















3M

KRYLON®

Kimberly-Clark PROFESSIONAL®

C+K WORLDWIDE

WALTER Surface Technologies

weldcote metals



WELDING & METALWORKING









Abrasives ..... 906 - 939
Brushes ..... 940 - 947
Cutting Tools ..... 948 - 991
Parts Cleaners ..... 992 - 995
Lubricating Equipment ..... 996 - 1003
Chemicals ..... 1004 - 1040
Tape & Adhesive ..... 1041 - 1047
Paint & Painting Supplies ..... 1048 - 1064
Sandblasting & Fume Extractors ..... 1065 - 1071
Gas Equipment & Accessories ..... 1072 - 1084
Reels & Welding Accessories ..... 1085 - 1088
Soldering Tools & Accessories ..... 1089 - 1092
Arc Tools & Accessories ..... 1093 - 1099
Welding Machines ..... 1100 - 1103
MIG Guns & Accessories ..... 1104 - 1107
TIG Torches & Accessories ..... 1108 - 1122
Pipe Layout Measuring Tools ..... 1123 - 1124
Welding Helmets & Lenses ..... 1125 - 1133
Welding Clothing & Gloves ..... 1134 - 1139
Welding Blankets, Screens & Chairs ..... 1140 - 1142
Alloys & Fluxes ..... 1143 - 1149
Metal Working Fluids & Equipment ..... 1150 - 1159

LPS® CRC WELD-MATE

DORMER LOCTITE® CLARKSON OSBORN

REINFORCED CUT-OFF WHEELS

Typical Applications
- Cutting sheet metal
- Cutting pipe
- Foundry/forge shops – gate/riser removal, cutting forgings
- Metal plate dimensioning
- Ship building – metal fabrication
- Tool room – cutting drill bits, steel bar, tubing, metallurgical sectioning
- Construction – concrete/masonry work

To be used with:
- Portable grinder small diameter (2" - 4")
- Right angle grinder (4" - 9")
- Circular saw (6" - 8")
- High-speed gas/electric saw (12" - 16")
- Stationary machine large diameter (10" - 30")
- Chop saw (10" - 16")

NORZON PLUS TYPE 01

- Patented Norton SG (ceramic alumina)/ NorZon (zirconia alumina) grain combination
- Highly advanced bond system
- State-of-the-art manufacturing
- NorZon Plus: Up to 3x life versus aluminum oxide wheels on carbon steel, stainless and cast iron, 40% faster cut rate versus standard aluminum oxide wheels
- Superior wheel balance



NORTON

Model No.	Mfg. No.	Size D"	x	T"	x	A"	Max RPM	Price /Each
NS138	C0303514NZP	3	x	1/32	x	1/4	25 465	
NS139	C0303538NZP	3	x	1/32	x	3/8	25 465	
NS140	C0311614NZP	3	x	1/16	x	1/4	25 465	
NS142	C0311638NZP	3	x	1/16	x	3/8	25 465	
NS145	C031838NZP	3	x	1/8	x	3/8	25 465	
NR003	C0403538NZP	4	x	1/32	x	3/8	19 100	
NR004	C0411614NZP	4	x	1/16	x	1/4	19 100	
NR005	C0411638NZP	4	x	1/16	x	3/8	19 100	
NR006	C041838NZP	4	x	1/8	x	3/8	19 100	

GEMINI TYPE 01

- Advanced formulation
- Free cutting
- Maximizes the performance of conventional aluminum oxide abrasive
- Engineered to cut hard materials



NORTON

Model No.	Mfg. No.	Size D"	x	T"	x	A"	Max RPM	Price /Each
NS172	C0303514GFC	3	x	1/32	x	1/4	25 465	
NS174	C0303538GFC	3	x	1/32	x	3/8	25 465	
NS176	C0311614GFC	3	x	1/16	x	1/4	25 465	
NS178	C0311638GFC	3	x	1/16	x	3/8	25 465	
NS180	C031814GFC	3	x	1/8	x	1/4	25 465	
NS182	C031838GFC	3	x	1/8	x	3/8	25 465	
NS184	C0403514GFC	4	x	1/32	x	1/4	19 100	
NS186	C0403538GFC	4	x	1/32	x	3/8	19 100	
NS188	C0411614GFC	4	x	1/16	x	1/4	19 100	
NS189	C0411638GFC	4	x	1/16	x	3/8	19 100	
NS191	C041814GFC	4	x	1/8	x	1/4	19 100	
NS192	C041838GFC	4	x	1/8	x	3/8	19 100	

D x T x A: Diameter x Thickness x Arbor Size

ZIP™ TYPE 01

- Performance cutting and grinding with straight shaft and die grinders
- These wheels are formulated for high performance cutting, notching and grinding
- Made not to contaminate stainless steel
- Fast, cool and free cutting allowing the operator to work with minimal pressure for best control



WALTER Surface Technologies

Model No.	Mfg. No.	Size D"	x	T"	x	A"	Grade	Max RPM	Price /Each
2"									
UE749	11-L-221	2	x	1/8	x	5/16	A-24-ZIP	31 000	
UE751	11-L-231	2	x	1/4	x	5/16	A-24-ZIP	31 000	
UE753	11-L-251	2	x	1/2	x	5/16	A-24-ZIP	31 000	
UE748	11-L-213	2	x	1/16	x	3/8	A-24-ZIP	31 000	
UE750	11-L-223	2	x	1/8	x	3/8	A-24-ZIP	31 000	
UE752	11-L-233	2	x	1/4	x	3/8	A-24-ZIP	31 000	
UE754	11-L-253	2	x	1/2	x	3/8	A-24-ZIP	31 000	
3"									
UE755	11-L-302	3	x	1/32	x	1/4	A-60-ZIP	25 470	
UE756	11-L-312	3	x	1/16	x	1/4	A-24-ZIP	25 470	
UE758	11-L-322	3	x	1/8	x	1/4	A-24-ZIP	25 470	
TE280	11-L-303	3	x	1/32	x	3/8	A-60-ZIP	25 470	
UE757	11-L-313	3	x	1/16	x	3/8	A-24-ZIP	25 470	
UE759	11-L-323	3	x	1/8	x	3/8	A-24-ZIP	25 470	
UE760	11-L-333	3	x	1/4	x	3/8	A-24-ZIP	25 470	
UE761	11-L-353	3	x	1/2	x	3/8	A-24-ZIP	25 470	
4"									
UE762	11-L-403	4	x	1/32	x	3/8	A-60-ZIP	19 100	
UE764	11-L-413	4	x	1/16	x	3/8	A-24-ZIP	19 100	
UE766	11-L-423	4	x	1/8	x	3/8	A-24-ZIP	19 100	
UE767	11-L-433	4	x	1/4	x	3/8	A-24-ZIP	19 100	
UE763	11-L-405	4	x	1/32	x	5/8	A-60-ZIP	19 100	
UE765	11-L-415	4	x	1/16	x	5/8	A-24-ZIP	19 100	

PREMIUM 2 IN 1 THINCUT

- Superior comfort and performance
- Offers a fast, cool and burr free cut
- Free cutting reduces workload and increases productivity
- Highly reinforced cutting wheel
- For use on steel & stainless steel



TYROLIT

Model No.	Mfg. No.	Size D"	x	T"	x	A"	Max RPM	Price /Each
TYPE 01								
NU404	384142	4 1/2	x	3/64	x	7/8	13 300	
NU405	384143	5	x	3/64	x	7/8	12 250	
NU406	401205	6	x	3/64	x	7/8	10 200	
TYPE 27								
NU554	34042238	4 1/2	x	3/64	x	7/8	13 300	
NU397	34042239	5	x	3/64	x	7/8	12 250	
NU408	34042240	6	x	3/64	x	7/8	10 200	

CUBITRON™ II CUT-OFF WHEELS



- Designed to provide high cut rates and long life on all types of ferrous metals, stainless steels, alloy steels and cast iron
- Cool cutting for a higher quality and faster cut
- Fast cool cutting helps extend the life of the tool

3M

Model No.	Mfg. No.	Size D"	x	T"	x	A"	Max RPM	Price /Each
TYPE 01								
NU222	051115-66518	4	x	0.035	x	3/8	19 100	
NU224	051115-66520	4	x	0.06	x	3/8	19 100	
NU228	051115-66524	4	x	0.125	x	3/8	19 100	
NU229	051115-66525	4 1/2	x	0.045	x	7/8	13 300	
NU230	051115-66526	5	x	0.045	x	7/8	12 250	
NU231	051115-66527	6	x	0.045	x	7/8	10 200	
NU232	051115-66528	7	x	0.045	x	7/8	8500	
TYPE 27								
NU362	051115-66531	4 1/2	x	0.045	x	7/8	13 300	
NU236	051115-66535	4 1/2	x	0.125	x	7/8	13 300	
NU237	051115-66537	5	x	0.045	x	7/8	12 250	
NU238	051115-66539	5	x	0.09	x	7/8	12 250	
NU363	051115-66541	6	x	0.045	x	7/8	10 200	
NU240	051115-66543	7	x	0.09	x	7/8	8500	

3M™ SILVER CUT-OFF WHEEL



- Ceramic cut-off wheel that is designed to cut quickly through all types of metals
- Optimized for use on carbon steel and stainless steel
- 3M™ Precision-Shaped Ceramic Grain cuts fast and cool
- No plowing
- Abrasive Material: Ceramic

3M

Model No.	Type	Size D"	x	T"	x	A"	Max RPM	Price /Each
NV195	1	3	x	0.035	x	1/4	25 465	
NV196	1	3	x	0.035	x	3/8	25 465	
NV197	1	3	x	0.060	x	3/8	25 465	
NV198	1	4	x	0.035	x	1/4	19 100	
NV199	1	4	x	0.035	x	3/8	19 100	
NV200	1	4	x	0.050	x	3/8	19 100	
NV201	1	4	x	0.060	x	3/8	19 100	
NV202	1	4-1/2	x	0.040	x	7/8	13 300	
NV203	1	4-1/2	x	0.045	x	7/8	13 300	
NV204	1	5	x	0.045	x	7/8	12 250	
NV205	1	6	x	0.045	x	7/8	10 200	
NV206	1	7	x	0.045	x	7/8	8500	
NV207	27	4-1/2	x	0.045	x	7/8	13 300	
NV208	27	5	x	0.045	x	7/8	12 250	
NV209	27	6	x	0.045	x	7/8	10 200	

ZIPCUT™



- Cut faster, freer and cooler, requiring less power than standard thin cut-off wheel
- Heavily reinforced for extra safety and very flexible and resilient to resist twisting and bending
- Zipcut™ with integrated rib design
- Raised ribs reduces friction surface
- Air cooling action for cooler cutting
- Increased rigidity for straighter cuts

WALTER Surface Technologies

Model No.	Mfg. No.	Size D"	x	T"	x	A"	Grade	Max RPM	Price /Each
TYPE 01									
VV150	11-T-042	4 1/2	x	3/64	x	7/8	A-60-ZIP	13 300	
VV151	11-T-052	5	x	3/64	x	7/8	A-60-ZIP	12 200	
VV152	11-T-062	6	x	3/64	x	7/8	A-60-ZIP	10 200	
VV154	11-T-072	7	x	1/16	x	7/8	A-30-ZIP	8600	
TYPE 27									
NS766	11-T-142	4 1/2	x	3/64	x	7/8	A-60-ZIP	13 300	
NS767	11-T-152	5	x	3/64	x	7/8	A-60-ZIP	12 200	
NS768	11-T-162	6	x	3/64	x	7/8	A-60-ZIP	10 200	

D x T x A: diameter x thickness x arbor size

ZIP™ STAINLESS



- Superior cutting of nickel alloyed steels
- These extra thin cut-off wheels cut all stainless steels fast, free and cool for burr-free finishes
- Will not contaminate stainless steel
- **Type 01**: Specially designed for stainless steel fabricators; extra fast cutting of pipes or solids
- **Type 27:** Allows more clearance for flush cutting; metal hub cladding for extra strength, control and safety

WALTER Surface Technologies

Model No.	Mfg. No.	Size D"	x	T"	x	A"	Grade	Max RPM	Price /Each
TYPE 01									
NS771	11-F 042	4 1/2	x	3/64	x	7/8	A-60-SS-ZIP	13 300	
NS772	11-F 052	5	x	3/64	x	7/8	A-60-SS-ZIP	12 200	
NS773	11-F 062	6	x	3/64	x	7/8	A-60-SS-ZIP	10 200	
NS774	11-F 072	7	x	1/16	x	7/8	A-30-SS-ZIP	8600	
NS775	11-F 092	9	x	5/64	x	7/8	A-30-SS-ZIP	6800	
TYPE 27									
NS776	11-F 142	4 1/2	x	3/64	x	7/8	A-60-SS-ZIP	13 300	
NS777	11-F 152	5	x	3/64	x	7/8	A-60-SS-ZIP	12 200	
NS778	11-F 162	6	x	3/64	x	7/8	A-60-SS-ZIP	10 200	
NS779	11-F 172	7	x	1/16	x	7/8	A-30-SS-ZIP	8600	
NS780	11-F 192	9	x	5/64	x	7/8	A-30-SS-ZIP	6800	

COMBO ZIP™



- 5/64" thickness allows for cutting and light grinding/deburring
- Wheel is reinforced like a grinding wheel to bear the force of light lateral pressure
- Zip family formulation guarantees fast cutting time and long life
- Equipped with metal protective hub for extra strength, control and safety
- Can be used for notching, root pass cleaning and chamfering
- Type 27

WALTER Surface Technologies

Model No.	Mfg. No.	Size D"	x	T"	x	A"	Grade	Max RPM	Price /Each
VV470	11-T-842	4 1/2	x	5/64	x	7/8	A-60-COMBO ZIP	13 300	
VV471	11-T-852	5	x	5/64	x	7/8	A-60-COMBO ZIP	12 200	
VV472	11-T-862	6	x	5/64	x	7/8	A-60-COMBO ZIP	10 200	

ZIP+™



- Superior performance cutting
- Feature an integrated rib design for better rigidity, cooler cutting and straighter cuts
- Used daily by metal fabricators, maintenance departments, sheet metal shops, welding shops, mechanical contractors, equipment manufacturers, automotive shops, etc.
- **Type 01**: Cut fast, cool and free allowing the operator to work with minimal pressure for best control
- **Type 27:** Equipped with a metal hub cladding for extra strength, control and safety; the preferred wheel for flush cutting in confined spaces

WALTER Surface Technologies

Model No.	Mfg. No.	Size D"	x	T"	x	A"	Grade	Max RPM	Price /Each
TYPE 01									
VE484	11-T-242	4 1/2	x	1/16	x	7/8	A-46-ZIP	13 300	
VE485	11-T-252	5	x	1/16	x	7/8	A-46-ZIP	12 200	
VV651	11-T-262	6	x	1/16	x	7/8	A-46-ZIP	10 200	
TYPE 27									
VV087	11-T-453	4 1/2	x	1/16	x	7/8	A-46-ZIP	13 300	
VV088	11-T-503	5	x	1/16	x	7/8	A-46-ZIP	12 200	
VV089	11-T-603	6	x	1/16	x	7/8	A-46-ZIP	10 200	

RIGHTCUT EVO

- Quality aluminum oxide grain
- Consistent performance at a competitive price
- Ideal for small jobs on a variety of metal applications from carbon to stainless steels
- Unique reinforcement design
- Provides safety, strength and straight cuts
- Extra thin
- Quick cutting action and low kerf loss
- Type 27



NORTON

Model No.	Mfg. No.	D"	x	Size T"	x	A"	Max RPM	Price /Each
NS093	RC45G27	4 1/2	x	3/64	x	7/8	13 580	
NS094	RC5G27	5	x	3/64	x	7/8	12 225	
NS096	RC7G27	7	x	1/16	x	7/8	8730	

BLUEFIRE RIGHT ANGLE GRINDERS

- Upgraded zirconia alumina grain chemistry and shape, blended with premium aluminum oxide grain provides 2-3 times the life of aluminum oxide wheels
- Broad utility: from light- to heavy-pressure applications, on a wide range of materials: stainless steel, carbon steel, and alloys, to grey iron



NORTON

Model No.	Mfg. No.	D"	x	Size T"	x	A"	Max RPM	Price /Each
TYPE 01								
NR991	66252843208	4 1/2	x	0.045	x	7/8	13 580	
N0015	66252843209	5	x	0.045	x	7/8	12 225	
TYPE 27								
NR994	66252843219	4 1/2	x	1/16	x	7/8	13 580	
N0018	66252843220	5	x	0.045	x	7/8	12 225	

NORZON PLUS RIGHTCUT

- High performance, proprietary ceramic and zirconia alumina abrasives blend
- Far fewer wheel changes required so job is completed faster
- Ideal for applications on steel and stainless steel
- Extra thin, quick cutting action; minimal low kerf loss



NORTON

Model No.	Mfg. No.	D"	x	Size T"	x	A"	Max RPM	Price /Each
TYPE 01								
NS194	66252830730	4 1/2	x	0.045	x	7/8	13 580	
NS195	66252830731	5	x	0.045	x	7/8	12 225	
NS196	66252842008	6	x	0.045	x	7/8	10 185	
TYPE 27								
NS197	66252843320	4 1/2	x	0.045	x	7/8	13 580	
NS198	66252843329	5	x	0.045	x	7/8	12 225	
NS199	66252842009	6	x	0.045	x	7/8	10 185	

D x T x A: Diameter x Thickness x Arbor Size

TOUGHCUT™ TYPE 01

- Cut fast and free without binding to minimize the load on the tool and maintain high RPM for a clean cut and best all-around performance



WALTER Surface Technologies

Model No.	Mfg. No.	D"	x	Size T"	x	A"	Grade	Max RPM	Price /Each
VV155	11-R 042	4 1/2	x	3/32	x	7/8	A-30	13 300	
VV156	11-R 052	5	x	3/32	x	7/8	A-30	12 200	
VV157	11-R 062	6	x	3/32	x	7/8	A-30	10 200	
VV158	11-R-072	7	x	3/32	x	7/8	A-30	8600	

CIRCULAR SAW REINFORCED CUT-OFF WHEELS

MASONRY & METAL TYPE 01

- Versatile, ideal for slotting and cutting when initial cost is a main consideration
- **Gemini all purpose**: Quality aluminum oxide abrasive, sets the aluminum oxide general purpose industry standard for cutting rough sides all material in metal fabrication applications
- **Norton masonry**: Sharp, silicon carbide grain, engineered for all masonry materials such as concrete, brick and asphalt
- **Norton metal**: Quality aluminum oxide abrasive, designed for cutting alloys, steels and ferrous metals



NORTON

Model No.	Mfg. No.	D"	x	Size T"	x	A"	Description	Max RPM	Price /Each
NS216	C0716G	7	x	1/16	x	5/8	Metal	8730	
NS217	C0718M	7	x	1/8	x	DM*	Metal	8730	
NS218	C0718MA	7	x	1/8	x	DM*	Masonry	8730	
NS220	C0816G	8	x	1/16	x	5/8	Metal	7640	
NS221	C0818M	8	x	1/8	x	DM*	Metal	7640	
NS222	C0818MA	8	x	1/8	x	DM*	Masonry	7640	

* DM: denotes diamond mount; 5/8" hole bushing included

ZIPCUT™ TYPE 01

- Cut faster, freer and cooler, requiring less power than standard thin cut-off wheels
- Heavily reinforced for extra safety and very flexible and resilient to resist twisting and bending



WALTER Surface Technologies

Model No.	Mfg. No.	D"	x	Size T"	x	A"	Grade	Max RPM	Price /Each
VV153	11-T-070	7	x	1/16	x	5/8	A-30-ZIP	8600	
VE482	11-T-080	8	x	1/16	x	5/8	A-30-ZIP	7600	

CHOP SAW REINFORCED CUT-OFF WHEELS



BLUEFIRE CHOP SAW WHEELS

- Upgraded zirconia alumina grain chemistry and shape, blended with premium aluminum oxide grain provides 2-3 times the life of aluminum oxide wheel.
- Broad utility: from light to heavy pressure applications, on a wide range of materials: stainless steel, carbon steel and alloys, to gray iron
- Excellent performance-to-price ratio lowers total grinding costs
- **Long Life:** Side reinforced; ideal for small cross-section work pieces, resist breakage and provide straight cuts
- **Rapid Cut:** Centrally reinforced, non-binding, free-cutting, rough sides, burr- and burr-free cuts



NORTON

Model No.	Mfg. No.	Additional Description	Size D"	x	T"	x	A"	Max RPM	Price /Each
N0021	66252843250	Rapid Cut / Long Life	12	x	7/64	x	1	5095	
NR996	66252843253	Long Life	14	x	3/32	x	1	4365	
N0010	66252843254	Rapid Cut	14	x	3/32	x	1	4365	
NR987	66252843257	Long Life	16	x	7/64	x	1	3820	

GEMINI TYPE 01

- **Free Cut**: side reinforced; engineered for larger cross-sections and/or hard-to-cut materials, resist breakage and provide straight cuts
- **Long Life** : side reinforced; ideal for small cross-section work pieces, resist breakage and provide straight cuts
- **Rapid Cut**: centrally reinforced; free cutting, non-binding; burr- and burn-free cuts rough sides
- **Aluminum**: specially formulated bond for aluminum and other soft, nonferrous metals, no wax or rubber fillers; free cutting, resists loading, no surface contamination



NORTON

Model No.	Mfg. No.	Size D"	x	T"	x	A"	Max RPM	Price /Each
GEMINI LONG LIFE								
NS255	C010764G	10	x	3/32	x	1	6110	
NS256	C012764G	12	x	3/32	x	1	5095	
NS259	C014764GLL	14	x	3/32	x	1	4365	
NS261	C016764G	16	x	3/32	x	1	3820	
GEMINI RAPID CUT								
NS257	C012764GRC	12	x	3/32	x	1	5095	
NS260	C014764GRC	14	x	3/32	x	1	4365	
GEMINI ALUMINUM								
NS258	C014764GALU	14	x	3/32	x	1	4365	

FAST-CUT TYPE 01

- All purpose, thin or heavy gauge cutting
- Fast cutting
- Non glazing on thin or heavy gauges
- For use on steel & stainless steel



TYROLIT

Model No.	Mfg. No.	Size D"	x	T"	x	A"	Max RPM	Price /Each
NU402	20041210	14	x	3/32	x	1	4400	

CHOPCUT™ TYPE 01

- These wheels have been specifically developed for use on portable abrasive chop saws
- They put minimum load on the motor and are therefore easy on the operator as well as on the saw
- **General purpose**: The wheel of choice for solids; fast cutting rate with long wheel life
- **High performance**: The wheel of choice for tubing and extrusions; optimized for use on low power chop saws reduces load on machine and creates less burr
- **Alu**: Fast and free cutting in all types of aluminum and non-ferrous metals; unique formulation which guarantees no clogging



WALTER Surface Technologies

Model No.	Mfg. No.	Size D"	x	T"	x	A"	Grade	Max RPM	Price /Each
GENERAL PURPOSE									
VV160	10-Q-123	12	x	3/32	x	1	A-30-HC+	5200	
VV161	10-Q-143	14	x	3/32	x	1	A-30-HC+	4400	
VV162	10-Q-163	16	x	7/64	x	1	A-30-HC+	3800	
HIGH PERFORMANCE									
VV163	10-P-123	12	x	3/32	x	1	A-30	5200	
VV164	10-P-143	14	x	3/32	x	1	A-30	4400	
VV165	10-P-163	16	x	7/64	x	1	A-30	3800	
ALUMINUM									
VV166	10-L-123	12	x	3/32	x	1	A-30-ALU	5200	
VV167	10-L-143	14	x	3/32	x	1	A-30-ALU	4400	

14" ABRASIVE CHOP SAWS

Milwaukee

- Powerful 15 Amp, 4.0 max. HP motor: Delivers maximum cutting performance in a wide variety of materials
- Large cutting capacity: Provides versatility for a wide range of cutting applications, up to 5" pipe
- 45° miter capacity with adjustable fence
- Quick adjust vise clamp: Allows clamp to be adjusted quickly when cutting different material sizes
- All ball bearing construction: Delivers maximum durability
- **Includes:** Chop saw, vise, abrasive wheel, hex wrench

Model No. TLV202
Mfg. No. 6177-20
Price/Each $



SPECIFICATIONS

Amperage:	15.0
Motor Horsepower:	4.0
No Load RPM:	3900
Blade Diameter:	14"
Tool Weight:	40.0 lbs.

PERFORMANCE PLUS 14" CHOP SAWS

KING

- Ball bearing induction motor
- Spark deflector for safe operation
- Quick release vise for holding workpiece, which allows cuts up to a 45° angle

Model No. WK772
Mfg. No. 8342
Price/Each $



SPECIFICATIONS

Amperage:	15.0
No Load RPM:	3750
Blade Diameter:	14"
Max. Depth of Cut:	4"
Max. Width of Cut:	7 1/4"
Tool Weight:	45.0 lbs.

D x T x A: Diameter x Thickness x Arbor Size

HIGH SPEED REINFORCED CUT-OFF WHEELS

- **Universal arbor:** 1"/20-mm knock out arbor fits all gas and electric high speed saws, 20-mm bushing is pre-mounted into the 1" hole use as is for a 20-mm arbor or remove bushing for a 1" arbor (once bushing is removed, cannot be replaced)
- **Asphalt:** Special blend of extra coarse silicon carbide ideal for cutting asphalt, green concrete, wide range of aggregates and abrasive materials
- **Concrete:** Coarse grit silicon carbide ideal for cutting brick, block, concrete and other masonry products
- **Ductile:** Special blend of silicon carbide and aluminum oxide ideal for cutting ductile, cast iron pipe, concrete lined water pipes, sewer construction and heavy-duty PVC
- **Metalworking:** High performance aluminum oxide ideal for general purpose cutting of steel and stainless steel parts (rebar, steel pipe, structural steel, sheet metal, etc)



NORTON

Model No.	Mfg. No.	Size D"	x	T"	x	A	Max RPM	Price /Each
FOR ASPHALT								
NR146	70184670243	12	x	1/8	x	1"/20 mm	6360	
NR147	70184672877	14	x	1/8	x	1"/20 mm	5400	
FOR CONCRETE								
NR865	66252837839	12	x	1/8	x	1"/20 mm	6360	
NR868	66252837842	14	x	1/8	x	1"/20 mm	5400	
NS234	70184623029	16	x	1/8	x	1"/20 mm	4800	
FOR DUCTILE								
NR866	66252837840	12	x	1/8	x	1"/20 mm	6360	
NR869	66252837843	14	x	1/8	x	1"/20 mm	5400	
FOR METALWORKING								
NR864	66252837838	12	x	1/8	x	1"/20 mm	6360	
NR867	66252837841	14	x	1/8	x	1"/20 mm	5400	

PORTACUT™ TYPE 01

- These premium wheels stand out as the most reliable cut-off wheels for all on-site cutting jobs
- Specially reinforced for added safety and formulated for an optimal cutting speed and wheel life ratio



WALTER Surface Technologies

Model No.	Mfg. No.	Size D"	x	T"	x	A	Grade	Max RPM	Price /Each
FOR STEEL & CAST IRON									
VV168	11-A-121	12	x	1/8	x	20 mm STIHL	A-24	6300	
VV169	11-A-122	12	x	1/8	x	7/8" partner	A-24	6300	
VV170	11-A-123	12	x	1/8	x	1"	A-24	6300	
VV171	11-A-141	14	x	1/8	x	20 mm STIHL	A-24	5400	
VV172	11-A-142	14	x	1/8	x	7/8" partner	A-24	5400	
VV173	11-A-143	14	x	1/8	x	1"	A-24	5400	
FOR REINFORCED CONCRETE, DUCTILE IRON, PVC & OTHER PLASTIC PIPES									
VV174	11-D-121	12	x	1/8	x	20 mm STIHL	C-24	6300	
VV175	11-D-122	12	x	1/8	x	7/8" partner	C-24	6300	
VV176	11-D-123	12	x	1/8	x	1"	C-24	6300	
VV177	11-D-141	14	x	1/8	x	20 mm STIHL	C-24	5400	
VV178	11-D-142	14	x	1/8	x	7/8" partner	C-24	5400	
VV179	11-D-143	14	x	1/8	x	1"	C-24	5400	

LARGE DIAMETER REINFORCED CUT-OFF WHEELS FOR STATIONARY SAWS

RIPCUT™ TYPE 01

- These wheels are formulated for use on stationary cut-off machines to make more and faster cuts
- **General purpose**: The most versatile wheel; cuts thin walled profiles to heavy solids; the preferred wheel for low power machines
- **High performance**: Cut most anything from thin wall shapes to solid shafts; fast and cool cutting, long wheel life
- **Stainless**: Specially formulated to cut all types of stainless and alloyed steels; fast and cool cutting with less burr and discoloration



WALTER Surface Technologies

Model No.	Mfg. No.	Size D"	x	T"	x	A	Grade	Max RPM	Price /Each
GENERAL PURPOSE									
YC431	10-B-123	12	x	1/8	x	1"	A-24-FC	5100	
VE489	10-B-143	14	x	1/8	x	1"	A-24-FC	4400	
YC479	10-B-163	16	x	5/32	x	1"	A-24-FC	3800	
VE490	10-B-183	18	x	3/16	x	1"	A-24-FC	3400	
VE491	10-B-203	20	x	3/16	x	1"	A-24-FC	3000	
VE492	10-B-246	24	x	1/4	x	40 mm	A-24-FC	2550	
HIGH PERFORMANCE									
VE493	10-A-123	12	x	1/8	x	1"	A-24-RIP	5100	
VE494	10-A-143	14	x	1/8	x	1"	A-24-RIP	4400	
TAV067	10-A-163	16	x	5/32	x	1"	A-24-RIP	3800	
VE495	10-A-183	18	x	3/16	x	1"	A-24-RIP	3400	
VE496	10-A-203	20	x	3/16	x	1"	A-24-RIP	3000	
VE497	10-A-206	20	x	3/16	x	40 mm	A-24-RIP	3000	
VE498	10-A-246	24	x	1/4	x	40 mm	A-24-RIP	2550	
STAINLESS									
YB798	10-C-123	12	x	1/8	x	1"	A-36-SS	5100	
WN964	10-C-143	14	x	1/8	x	1"	A-36-SS	4400	
VE499	10-C-163	16	x	5/32	x	1"	A-36-SS	3800	
VE500	10-C-203	20	x	3/16	x	1"	A-36-SS	3400	
VE501	10-C-206	20	x	3/16	x	40mm	A-36-SS	3000	

GEMINI LARGE DIAMETER TYPE 01

- Quality aluminum; sets the aluminum oxide industry standard for cutting all oxide abrasive material in metal fabrication applications



NORTON

Model No.	Mfg. No.	Size D"	x	T"	x	A"	Max RPM	Price /Each
GEMINI FREE CUT								
NS242	C01418GFC	14	x	1/8	x	1	4365	
NS244	C016532GFC	16	x	5/32	x	1	3820	
NS246	C018532G	18	x	5/32	x	1	3015	
NS247	C020532GFC	20	x	5/32	x	1	2710	
NS249	C020316GFC	20	x	3/16	x	1	2710	
GEMINI LONG LIFE								
NS241	C01218GLL	12	x	1/8	x	1	5095	
NS243	C01418GLL	14	x	1/8	x	1	4365	
NS245	C016532GLL	16	x	5/32	x	1	3820	
NS248	C020532GLL	20	x	5/32	x	1	2710	
NS250	C020316GLL	20	x	3/16	x	1	2710	

D x T x A: Diameter x Thickness x Arbor Size

DEPRESSED CENTRE GRINDING WHEELS



Typical Applications

- Metal fabrication
- Petrochemical maintenance
- All-weld grinding
- Shipbuilding
- Foundry – notching and removing gates and risers
- Pipeline – root pass grinding, pipe bevelling and repair
- Construction – masonry/concrete fabrication

NORZON PLUS TYPE 27

- Premium, combination of Norton SG (ceramic aluminum oxide) and NorZon (zirconia alumina)
- Up to 10 times the performance of aluminum oxide wheels
- Advanced bond system providing the fastest cutting zirconia wheel on the market; easy on the operator and equipment



NORTON

Model No.	Mfg. No.	Size D"	x	T"	x	A"	Max RPM	Price /Each
FOR STEEL CUTTING/NOTCHING & LIGHT GRINDING								
NS053	DC4518NZP	4 1/2	x	1/8	x	7/8	13 580	
NS054	DC518NZP	5	x	1/8	x	7/8	12 225	
NS055	DC718NZP	7	x	1/8	x	7/8	8600	
NS056	DC918NZP	9	x	1/8	x	7/8	6600	
FOR STEEL GRINDING								
NS044	DC4514NZP	4 1/2	x	1/4	x	7/8	13 580	
NS039	DC514NZP	5	x	1/4	x	7/8	12 225	
NS059	DC614NZP	6	x	1/4	x	7/8	10 185	
NS036	DC714NZP	7	x	1/4	x	7/8	8600	
NS032	DC914NZP	9	x	1/4	x	7/8	6600	

HP™ TYPE 27

- High performance grinding and cutting
- These wheels are formulated to give highest productivity, safety and operator comfort on all types of grinders – air grinders, electric grinders/sanders and portable high speed angle grinders.
- Exceptional performance in grinding down welds, preparing weld edges, deburring, shaping, cleaning and cutting
- The wheel of choice for steel
- **With Spin-On arbor:** Fast and easy changeover of wheel for minimum downtime; perfectly centred wheel each and every time for best performance
- **With 3/8" arbor, 1/8" thick**: Ideal for both cutting and light grinding work; hold their cutting edge longer to give you a cutting life beyond compare; equipped with an exclusive metal hub cladding for extra strength and control
- **With 3/8" arbor, 1/4" thick**: High performance wheels grind off metal faster; smooth grinding with an aggressive, controlled bite; extra long wheel life



WALTER Surface Technologies

Model No.	Mfg. No.	Size D"	x	T"	x	A	Grade	Max RPM	Price /Each
WITH SPIN-ON ARBOR – 1/8" HP COMBO									
VV403	08-B-452	4 1/2	x	1/8	x	5/8"-11	A-30-COMBO	13 300	
VV404	08-B-502	5	x	1/8	x	5/8"-11	A-30-COMBO	12 200	
WITH SPIN-ON ARBOR – 1/4" HP									
VV401	08-B-450	4 1/2	x	1/4	x	5/8"-11	A-24-HPS	13 300	
VV402	08-B-500	5	x	1/4	x	5/8"-11	A-24-HPS	12 200	
7/8" ARBOR									
VV082	08-B-462	4 1/2	x	1/8	x	7/8"	A-30-COMBO	13 300	
VV083	08-B-512	5	x	1/8	x	7/8"	A-30-COMBO	12 200	
VV084	08-B-602	6	x	1/8	x	7/8"	A-30-COMBO	10 200	
VV085	08-B-712	7	x	1/8	x	7/8"	A-30-COMBO	8600	
VV086	08-B-912	9	x	1/8	x	7/8"	A-30-COMBO	6800	
VV074	08-B-460	4 1/2	x	1/4	x	7/8"	A-24-HPS	13 300	
VV075	08-B-510	5	x	1/4	x	7/8"	A-24-HPS	12 200	
VV076	08-B-600	6	x	1/4	x	7/8"	A-24-HPS	10 200	
VV077	08-B-710	7	x	1/4	x	7/8"	A-24-HPS	8600	
VV078	08-B-910	9	x	1/4	x	7/8"	A-24-HPS	6800	

1/4" wheels to be used with flange TAV109, 1/8" wheels to be used with flange UG580

BLUEFIRE TYPE 27

- Upgraded zirconia alumina grain chemistry and shape, blended with premium aluminum oxide grain provide 2-3 times the life of aluminum oxide wheels
- Broad utility: from light- to heavy-pressure applications, on a wide range of materials: stainless steel, carbon steel, and alloys, to gray iron
- Excellent performance-to-price ratio lowers total grinding costs
- Contaminate-free INOX wheels contain <0.1% iron, sulfur, or chlorine for rust-free and corrosion-free results; will not contaminate stainless steel
- Foundry wheels have zirconia alumina/ silicon carbide abrasive and an exceptionally strong reinforcement structure



NORTON

Model No.	Mfg. No.	Size D"	x	T"	x	A"	Max RPM	Price /Each
FOR STEEL CUTTING/NOTCHING & LIGHT GRINDING								
NR992	66252843212	4 1/2	x	1/8	x	7/8	13 580	
N0016	66252843216	5	x	1/8	x	7/8	12 225	
N0014	66252843202	6	x	1/8	x	7/8	10 185	
N0031	66252843234	7	x	1/8	x	7/8	8600	
N0020	66252843245	9	x	1/8	x	7/8	6600	
FOR STEEL GRINDING								
NR981	66252843214	4 1/2	x	1/4	x	7/8	13 580	
N0017	66252843218	5	x	1/4	x	7/8	12 225	
N0005	66252843203	6	x	1/4	x	7/8	10 185	
N0032	66252843236	7	x	1/4	x	7/8	8600	
NR985	66252843247	9	x	1/4	x	7/8	6600	

DOUBLE-X™ TYPE 27

- Premium performance grinding
- Double-X grinding wheels incorporate the very latest advances in abrasive grain, bonding and manufacturing technology to substantially lower your total grinding costs
- Use Double-X to achieve the highest productivity in all heavy duty grinding applications
- **With Spin-On arbor:** Ultra resistant built-in threaded arbor ensures minimum vibration for maximum operator comfort; minimal need for pin key
- **With 7/8" arbor**: Remove the most steel in the shortest time and last the longest; improved bonding technology and state of the art manufacturing ensure a working life that is unsurpassed



WALTER Surface Technologies

Model No.	Mfg. No.	Size D"	x	T"	x	A	Grade	Max RPM	Price /Each
WITH SPIN-ON ARBOR									
VV409	08-K-450	4 1/2	x	1/4	x	5/8"-11	A-20-X	13 300	
VV410	08-K-500	5	x	1/4	x	5/8"-11	A-20-X	12 200	
WITH 7/8" ARBOR									
VV093	08-K-460	4 1/2	x	1/4	x	7/8"	A-20-X	13 300	
VV094	08-K-510	5	x	1/4	x	7/8"	A-20-X	12 200	
VV095	08-K-600	6	x	1/4	x	7/8"	A-16-X	10 200	
VV096	08-K-700	7	x	1/4	x	7/8"	A-16-X	8600	

D x T x A: Diameter x Thickness x Arbor Size

NORTON METAL TYPE 27

- Quality aluminum oxide abrasive, ideal for grinding alloys, metals, steels and ferrous metals
- Ideal for on site and small unit job
- Type 27



NORTON

NORTON METAL GRINDING WHEELS

Model No.	Mfg. No.	Size D"	x	T"	x	A"	Max RPM	Price /Each
FOR STEEL CUTTING/NOTCHING & LIGHT DEBURRING								
NR881	DC4518M	4 1/2	x	1/8	x	7/8	13 580	
NR882	DC518M	5	x	1/8	x	7/8	12 225	
NR883	DC718M	7	x	1/8	x	7/8	8600	
FOR GRINDING								
NS130	DC4514M	4 1/2	x	1/4	x	7/8	13 580	
NS132	DC514M	5	x	1/4	x	7/8	12 225	
NS134	DC714M	7	x	1/4	x	7/8	8600	

ALLSTEEL™ TYPE 27

- Our most versatile grinding wheel
- These grinding wheels are designed to deliver top performance when working on both steel and stainless steel
- They incorporate the latest developments in grain and bonding technology to lower your grinding costs
- Operator safety and comfort, fast removal rates and outstanding life are key features that will let you do more work in less time
- **1/8" thick:** Fastest cutting wheel in its class; cool and free cutting; resists bending and twisting for extra safety
- **1/4" thick**: Fast removal rates and cool grinding action for entire life of wheel; excellent comfort and handling; heavily reinforced for absolute safety



WALTER Surface Technologies

Model No.	Mfg. No.	Size D"	x	T"	x	A"	Grade	Max RPM	Price /Each
VE808	08-C-452	4 1/2	x	1/8	x	7/8	A-30-AS	13 300	
VE809	08-C-502	5	x	1/8	x	7/8	A-30-AS	12 200	
VE810	08-C-602	6	x	1/8	x	7/8	A-30-AS	10 200	
VE811	08-C-702	7	x	1/8	x	7/8	A-30-AS	8600	
VE812	08-C-902	9	x	1/8	x	7/8	A-30-AS	6800	
VE803	08-C-450	4 1/2	x	1/4	x	7/8	A-24-AS	13 300	
VE804	08-C-500	5	x	1/4	x	7/8	A-24-AS	12 200	
VE805	08-C-600	6	x	1/4	x	7/8	A-24-AS	10 200	
VE806	08-C-700	7	x	1/4	x	7/8	A-24-AS	8600	
VE807	08-C-900	9	x	1/4	x	7/8	A-24-AS	6800	

CUBITRON™ II TYPE 27

- Produces very high cut rates on a wide variety of metals
- Used for heavy weld removal and many other grinding applications
- 3M precision-shaped grain for ultra fast cut and long life
- Specially formulated for use on stainless and mild steel
- Cool cutting for higher quality and faster cut



3M

Model No.	Mfg. No.	Size D"	x	T"	x	A"	Max RPM	Price /Each
NU206	051115-66598	4	x	1/4	x	3/8	15 300	
NU207	051115-66597	4	x	1/4	x	5/8	15 300	
NU208	051115-66587	4 1/2	x	1/4	x	7/8	13 300	
NU205	051115-66588	5	x	1/4	x	7/8	12 250	
NU209	051115-66589	6	x	1/4	x	7/8	10 000	
NU210	051115-66590	7	x	1/4	x	7/8	8500	
NU211	051115-66591	9	x	1/4	x	7/8	6650	

D x T x A: Diameter x Thickness x Arbor Size

3M™ SILVER GRINDING WHEEL

- Ceramic grinding wheel that is designed to grind quickly through all types of metals
- Optimized for use on carbon steel and stainless steel
- 3M™ Precision-Shaped Ceramic Grain grinds fast and cool
- No plowing
- Type: 27
- Abrasive Material: Ceramic



3M

Model No.	Size D"	x	T"	x	A"	Max RPM	Price /Each
NV210	4	x	1/4	x	3/8	15 300	
NV211	4	x	1/4	x	5/8	15 300	
NV212	4-1/2	x	1/4	x	7/8	13 300	
NV213	5	x	1/4	x	7/8	12 250	
NV214	6	x	1/4	x	7/8	10 200	
NV215	7	x	1/4	x	7/8	8500	
NV216	9	x	1/4	x	7/8	6650	

ALLSTEEL™ XX TYPE 27

- Exceptional grinding with less sweat
- Manufactured with productivity in mind these wheels will not only get the job done faster and last longer but are also easier to control requiring less pressure to do the same job
- Grain, bond and reinforcement are of the highest quality and each wheel is perfectly balanced for superior control in the most demanding applications
- Use them for removing welds, preparing weld edges, deburring, shaping or cleaning with powerful angle grinders and see for yourself how you can do more work in less time and with less sweat
- Exceptional grinding with less pressure and better control
- Outstanding life in both steel and stainless steel
- Wheels are balance-controlled within tolerances twice as strict for absolute safety



WALTER Surface Technologies

Model No.	Mfg. No.	Size D"	x	T"	x	A"	Grade	Max RPM	Price /Each
VV455	08-H-450	4 1/2	x	1/4	x	7/8	A-24-AXX	13 300	
VV456	08-H-500	5	x	1/4	x	7/8	A-24-AXX	12 200	
VV457	08-H-600	6	x	1/4	x	7/8	A-24-AXX	10 200	
VV458	08-H-700	7	x	1/4	x	7/8	A-24-AXX	8600	

CUBITRON™ II CUT AND GRIND WHEEL TYPE 27

- 3M precision-shaped grain for ultra fast cut and long life
- Versatile – use as both a grinding wheel and cut-off wheel
- Specially formulated for use on stainless and mild steel
- Cool cutting for a higher quality and faster cut



3M

Model No.	Mfg. No.	Size D"	x	T"	x	A"	Max RPM	Price /Each
NU358	82279	4 1/2	x	1/8	x	7/8	13 300	
NU357	82278	5	x	1/8	x	7/8	12 250	
NU355	28758	6	x	1/8	x	7/8	10 200	
NU356	28760	7	x	1/8	x	7/8	8500	
NU361	28761	9	x	1/8	x	7/8	6650	

STAINLESS TYPE 27

- Superior grinding and cutting
- These wheels are excellent for use on all nickel alloyed steels in tough and demanding applications
- They hug the work piece for minimum bounce or vibration for controlled grinding and a smooth, high quality finish
- They are made with highly refined ingredients that will not contaminate stainless steel
- **1/8" thick**: High performance cutting and intermittent light grinding; maintain a superior cutting edge; cool cutting, excellent wheel life with superior control
- **1/4" thick**: Fast and cool stock removal; high performance and superior control in the most demanding grinding applications
- **With Spin-On arbor**: Fast and easy changeover of wheel for minimum downtime; perfectly centred wheel each and every time for best performance



WALTER Surface Technologies

Model No.	Mfg. No.	Size D"	x	T"	x	A	Grade	Max RPM	Price /Each
WITH SPIN-ON ARBOR									
VV407	08-F-452	4 1/2	x	1/8	x	5/8"-11	A-30-SS	13 300	
VV408	08-F-502	5	x	1/8	x	5/8"-11	A-30-SS	12 200	
VV405	08-F-450	4 1/2	x	1/4	x	5/8"-11	A-30-SS	13 300	
VV406	08-F-500	5	x	1/4	x	5/8"-11	A-30-SS	12 200	
WITH 7/8" ARBOR									
VV114	08-F-462	4 1/2	x	1/8	x	7/8"	A-30-SS-COMBO	13 300	
VV115	08-F-512	5	x	1/8	x	7/8"	A-30-SS-COMBO	12 200	
VV116	08-F-602	6	x	1/8	x	7/8"	A-30-SS-COMBO	10 200	
VV117	08-F-702	7	x	1/8	x	7/8"	A-30-SS-COMBO	8600	
VV109	08-F-460	4 1/2	x	1/4	x	7/8"	A-30-SS	13 300	
VV110	08-F-510	5	x	1/4	x	7/8"	A-30-SS	12 200	
VV111	08-F-600	6	x	1/4	x	7/8"	A-30-SS	10 200	
VV112	08-F-700	7	x	1/4	x	7/8"	A-30-SS	8600	

ALUMINUM TYPE 27

- Performance grinding and cutting in soft metals
- These wheels grind all types of aluminum and non-ferrous metals smoothly and at removal rates never thought possible
- The specially impregnated bonding of these wheels resists loading even when grinding very soft, pure aluminum
- They do not contain any waxes or lubricants and do not contaminate the material worked on – ground surfaces are therefore clean and ready for welding without further clean-up
- **1/8" Thick**: Formulated for cutting but may also be used for intermittent light grinding; fast and free cutting
- **1/4" Thick**: Fast removal rate and long wheel life; no clogging in any type of aluminum



WALTER Surface Technologies

Model No.	Mfg. No.	Size D"	x	T"	x	A"	Grade	Max RPM	Price /Each
VV123	08-L-452	4 1/2	x	1/8	x	7/8	A-24-ALU	13 300	
VV125	08-L-502	5	x	1/8	x	7/8	A-24-ALU	12 200	
VV127	08-L-602	6	x	1/8	x	7/8	A-24-ALU	10 200	
VV129	08-L-702	7	x	1/8	x	7/8	A-24-ALU	8600	
VV124	08-L-450	4 1/2	x	1/4	x	7/8	A-24-ALU	13 300	
VV126	08-L-500	5	x	1/4	x	7/8	A-24-ALU	12 200	
VV128	08-L-600	6	x	1/4	x	7/8	A-24-ALU	10 200	
VV130	08-L-700	7	x	1/4	x	7/8	A-24-ALU	8600	

BLUEFIRE DEPRESSED CENTER WHEELS

- Upgraded zirconia alumina grain chemistry and shape, blended with premium aluminum oxide grain provides 2-3 times the life of aluminum oxide wheel.
- Broad utility: from light to heavy pressure applications, on a wide range of materials: stainless steel, carbon steel and alloys, to grey iron
- Excellent performance-to-price ratio lowers total grinding costs
- Will not contaminate stainless steel



NORTON

Model No.	Mfg. No.	Size D"	x	T"	x	A"	Max RPM	Price /Each
FOR CUTTING/NOTCHING & LIGHT GRINDING								
NR989	66252843190	4 1/2	x	1/8	x	7/8	13 580	
N0027	66252843194	5	x	1/8	x	7/8	12 225	
N0030	66252843198	6	x	1/8	x	7/8	10 185	
N0025	66252843182	7	x	1/8	x	7/8	8600	
FOR GRINDING								
NR978	66252843192	4 1/2	x	1/4	x	7/8	13 580	
N0028	66252843196	5	x	1/4	x	7/8	12 225	
NR990	66252843200	6	x	1/4	x	7/8	10 185	
N0026	66252843184	7	x	1/4	x	7/8	8600	
N0004	66252843188	9	x	1/4	x	7/8	6600	

CONCRETE TYPE 27

- High performance grinding and cutting
- These wheels for use on portable angle grinders have multiple high strength reinforcement and a matched super tough bond for extra safety in tough grinding and cutting applications
- They are made for fast material removal and smooth grinding and cutting of concrete, masonry, stone and similar building materials
- **1/8" Thick**: Fast and free cutting; formulated for cutting but may also be used for intermittent light grinding
- **1/4" Thick**: Excellent control in demanding applications; extra hard silicon carbide grain for fast material removal and long wheel life



WALTER Surface Technologies

Model No.	Mfg. No.	Size D"	x	T"	x	A"	Grade	Max RPM	Price /Each
UE693	08-D-452	4 1/2	x	1/8	x	7/8	C-24	13 300	
UE694	08-D-502	5	x	1/8	x	7/8	C-24	12 200	
UE696	08-D-702	7	x	1/8	x	7/8	C-24	8600	
UE698	08-E-450	4 1/2	x	1/4	x	7/8	C-24	13 300	
UE699	08-E-500	5	x	1/4	x	7/8	C-24	12 200	
UE701	08-E-700	7	x	1/4	x	7/8	C-24	8600	

PREMIUM 2 IN 1 TYPE 27

- Offers comfort, high stock removal and long life
- Fast removal & operator comfort
- Used in various applications
- Exclusive blend of bonding & grain system
- For use on steel & stainless steel



TYROLIT

Model No.	Mfg. No.	Size D"	x	T"	x	A"	Max RPM	Price /Each
NU410	5293	4 1/2	x	9/32	x	7/8	13 300	
NU411	5313	5	x	9/32	x	7/8	12 250	
NU412	5330	6	x	9/32	x	7/8	10 200	

D x T x A: Diameter x Thickness x Arbor Size

PIPE FITTER™ TYPE 27

- Outstanding performer in pipeline construction
- These wheels are specially formulated and reinforced for grinding joint welds between passes in pipeline construction and pipe fabrication
- They do not contain iron, sulfur or chlorine (Fe, S, Cl) and will not contaminate stainless steel
- **3/32" Thick**: Thin for fast and free cutting and grooving; can also be used for cutting sheet metal
- **5/32" Thick**: Formulated for light grinding, cutting and notching
- **1/8" Thick**: Ideal for use with low power angle grinders; grind joint welds with ease; can be used for intermittent light grinding, facing and bevelling work



WALTER Surface Technologies

Model No.	Mfg. No.	Size D"	x	T"	x	A"	Grade	Max RPM	Price /Each
VV103	08-N-453	4 1/2	x	3/32	x	7/8	A-36-PIPE	13 300	
VV104	08-N-503	5	x	3/32	x	7/8	A-36-PIPE	12 200	
VV380	08-N-603	6	x	3/32	x	7/8	A-36-PIPE	10 200	
VV106	08-N-703	7	x	3/32	x	7/8	A-36-PIPE	8600	
VV385	08-N-454	4 1/2	x	5/32	x	7/8	A-36-PIPE	13 300	
VV386	08-N-504	5	x	5/32	x	7/8	A-36-PIPE	12 200	
VV105	08-N-604	6	x	5/32	x	7/8	A-20-PIPE	10 200	
VV107	08-N-704	7	x	5/32	x	7/8	A-20-PIPE	8600	
VV381	08-N-452	4 1/2	x	1/8	x	7/8	A-36-PIPE	13 300	
VV382	08-N-502	5	x	1/8	x	7/8	A-36-PIPE	12 200	
VV383	08-N-602	6	x	1/8	x	7/8	A-36-PIPE	10 200	
VV384	08-N-702	7	x	1/8	x	7/8	A-36-PIPE	8600	

FLEXCUT™ TYPE 27

- Premium performance flexible grinding wheel especially formulated to deliver superior performance on all ferrous and non-ferrous metals
- Deep Diamond-Cut™ pattern and optimized formulation
- More flexibility
- Best handling on flat and curved surfaces
- Cooler grinding
- Better stock removal in all materials (steel, stainless steel, aluminum)
- 4 1/2" and 5" Flexcut™ flexible grinding wheels with the unique Spin-on quick change mounting system for better comfort and maximum productivity
- Always use flange model **UG580**



WALTER Surface Technologies

Model No.	Mfg. No.	Size D"	x	A	Grade	Max RPM	Price /Each
VV411	15-L-453	4 1/2	x	5/8"-11	A-36-X-FLEX	13 300	
VV412	15-L-456	4 1/2	x	5/8"-11	A-60-X-FLEX	13 300	
VV413	15-L-460	4 1/2	x	5/8"-11	A-100-X-FLEX	13 300	
VV414	15-L-503	5	x	5/8"-11	A-36-X-FLEX	12 200	
VV415	15-L-506	5	x	5/8"-11	A-60-X-FLEX	12 200	
VV416	15-L-510	5	x	5/8"-11	A-100-X-FLEX	12 200	
UG128	15-L-602	6	x	5/8"-11	A-24-X-FLEX	10 200	
UG129	15-L-603	6	x	5/8"-11	A-36-X-FLEX	10 200	
UG130	15-L-606	6	x	5/8"-11	A-60-X-FLEX	10 200	
VV139	15-L-702	7	x	7/8"	A-24-X-FLEX	8600	
VV140	15-L-703	7	x	7/8"	A-36-X-FLEX	8600	
VV141	15-L-706	7	x	7/8"	A-60-X-FLEX	8600	
VV142	15-L-710	7	x	7/8"	A-100-X-FLEX	8600	

LARGE ANGLE GRINDERS TRIGGER GRIP W/LOCK-ON OR NON LOCK-ON

- Debris baffles protect internal components by deflecting damaging debris out of the airflow at the intake vents
- External brush doors reduce service time by providing easy access to brushes
- Soft-grip main handle provides better control and comfort
- **Includes:** Side handle, 7" and 9" type 27 guard and spanner wrench

Model No. TLZ819
Mfg. No. 6088-30
Price/Each $



SPECIFICATIONS

Wheel Diameter:	7" to 9"
Voltage:	120 V
Amperage:	15 Amp
No Load RPM:	6000
Spindle Size:	5/8"
Tool Weight:	13.7 lbs.
Trigger, Non Lock-On	
Model No.:	TLZ820

ROTO-LOK® LARGE ANGLE GRINDERS TRIGGER GRIP W/LOCK-ON OR NON LOCK-ON

- 9-position rotating handle allows the user to adjust the main handle for better control
- Debris baffles protect internal components by deflecting damaging debris out of the airflow at the intake vents
- External brush doors - reduces service time by providing easy access to brushes
- **Includes:** Side handle, 7" and 9" type 27 guard and spanner wrench

Model No. TLZ821
Mfg. No. 6089-30
Price/Each $



SPECIFICATIONS

Wheel Diameter:	7" to 9"
Voltage:	120 V
Amperage:	15 Amp
No Load RPM:	6000
Spindle Size:	5/8"
Tool Weight:	13.7 lbs.
Trigger, Non Lock-On	
Model No.:	TLZ822

ANGLE GRINDERS

- Rear handle design for greater control
- Trigger lock
- Light weight for high production work with less fatigue
- **Includes:** 5" grinding wheel 24 grit and side handle

Model No. TF719
Mfg. No. 9005B
Price/Each $



SPECIFICATIONS

Wheel Diameter:	5"
Voltage:	120 V
Amperage:	10 Amp
No Load RPM:	10 000
Spindle Size:	5/8"
Tool Weight:	6.6 lbs.

D x T x A: Diameter x Thickness x Arbor Size
D x A: Diameter x Arbor Size

BENCH GRINDING WHEELS

Typical Applications
- Offhand deburring and sharpening of parts and tools



BENCH & PEDESTAL GRINDING WHEELS

- For general purpose grinding work on bench and pedestal grinders
- Grits 24 and 36 for fast and rough grinding
- Grit 46 for intermediate requirements
- Grits 60 and 80 for a finer finish work
- All 6", 7", 8" and 10" wheels are supplied with nested reducer bushings to fit on 1", 3/4" and 1/2" shafts



WALTER Surface Technologies

Model No.	Mfg. No.	Size D"	x	T"	x	A"	Grit	Max RPM	Price /Each
VE775	12-E-324	6	x	3/4	x	1	36 Coarse	4100	
VE776	12-E-325	6	x	3/4	x	1	46 Medium	4100	
YB806	12-E-328	6	x	3/4	x	1	80 Fine	4100	
VE777	12-E-344	6	x	1	x	1	36 Coarse	4100	
VE778	12-E-345	6	x	1	x	1	46 Medium	4100	
VE779	12-E-348	6	x	1	x	1	80 Fine	4100	
VE780	12-E-444	7	x	1	x	1	36 Coarse	3600	
VE781	12-E-447	7	x	1	x	1	80 Fine	3600	
VE782	12-E-454	7	x	1 1/4	x	1	36 Coarse	3600	
YC509	12-E-457	7	x	1 1/4	x	1	60 Fine	3600	
VE783	12-E-533	8	x	7/8	x	1	24 Coarse	3600	
VE784	12-E-537	8	x	7/8	x	1	60 Fine	3600	
VE785	12-E-543	8	x	1	x	1	24 Coarse	3600	
VE786	12-E-545	8	x	1	x	1	46 Medium	3600	
VE787	12-E-547	8	x	1	x	1	60 Fine	3600	
VE788	12-E-553	8	x	1 1/4	x	1	24 Coarse	3600	
VE789	12-E-557	8	x	1 1/4	x	1	60 Fine	3600	
VE790	12-E-643	10	x	1	x	1	24 Coarse	3600	
VE791	12-E-647	10	x	1	x	1	60 Fine	3600	
VE792	12-E-653	10	x	1 1/4	x	1	24 Coarse	3600	
YC465	12-E-657	10	x	1 1/4	x	1	60 Fine	3600	

10" BENCH GRINDERS

- 14 A, 110 V, single phase
- Wheel diameter: 10"
- 1720 RPM
- Weight: 80 lbs.
- Includes: Removable wheel covers, plastic eye shields and medium and coarse grinding wheels

Model No. TZ815
Mfg. No. KC-1090
Price/Each $



KING CANADA

GEMINI

- Quality, grey aluminum oxide for metal general purpose applications and sharp, green silicon carbide for nonferrous applications
- Each wheel contains nested bushings, accommodates a wide variety of standard arbor sizes
- Economical prices; ideal for small job shops and numerous applications
- All wheels supplied with bushings



NORTON

Model No.	Mfg. No.	Size D"	x	T"	x	A"	Grit	Max RPM	Price /Each
ALUMINUM OXIDE WHEELS FOR STEEL APPLICATION									
NS320	36132	6	x	1/2	x	1	Coarse	4140	
NS321	36131	6	x	1/2	x	1	Medium	4140	
NS322	36133	6	x	1/2	x	1	Fine	4140	
NS323	88245	6	x	3/4	x	1	Coarse	4140	
NS324	88240	6	x	3/4	x	1	Medium	4140	
NS325	88235	6	x	3/4	x	1	Fine	4140	
NS326	88260	6	x	1	x	1	Coarse	3600	
NS327	88255	6	x	1	x	1	Medium	3600	
NS328	88250	6	x	1	x	1	Fine	3600	
NS329	88275	7	x	1	x	1	Coarse	3600	
NS330	88270	7	x	1	x	1	Medium	3600	
NS331	88265	7	x	1	x	1	Fine	3600	
NS332	88278	8	x	3/4	x	1	Coarse	3600	
NS333	88277	8	x	3/4	x	1	Medium	3600	
NS334	42317	8	x	3/4	x	1	Fine	3600	
NS335	44454	8	x	1	x	1	Very coarse	3600	
NS336	88286	8	x	1	x	1	Coarse	3600	
NS337	88285	8	x	1	x	1	Medium	3600	
NS338	88280	8	x	1	x	1	Fine	3600	
NS339	60788	10	x	1	x	1	Very coarse	2485	
NS340	88295	10	x	1	x	1	Coarse	2485	
NS341	88290	10	x	1	x	1	Medium	2485	
NS342	60350	10	x	1	x	1	Fine	2485	
NS343	61250	10	x	1 1/4	x	1 1/4	Coarse	2485	
NS344	61251	10	x	1 1/4	x	1 1/4	Medium	2485	
NS345	61393	10	x	1 1/2	x	1 1/4	Coarse	2485	
NS346	61395	10	x	1 1/2	x	1 1/4	Medium	2485	
NS347	63052	12	x	1 1/2	x	1 1/2	Coarse	2070	
NS348	63053	12	x	1 1/2	x	1 1/2	Medium	2070	
NS349	63054	12	x	2	x	1 1/2	Very coarse	2070	
NS350	63055	12	x	2	x	1 1/2	Coarse	2070	
NS351	63056	12	x	2	x	1 1/2	Medium	2070	
SILICON CARBIDE WHEELS FOR NON-STEEL APPLICATIONS									
NS352	36571	6	x	1/2	x	1	Medium	4140	
NS353	36572	6	x	1/2	x	1	Fine	4140	
NS354	36573	6	x	1/2	x	1	Extra-fine	4140	
NS355	37190	6	x	3/4	x	1	Medium	4140	
NS356	37191	6	x	3/4	x	1	Fine	4140	
NS357	37192	6	x	3/4	x	1	Extra-fine	4140	
NS358	37187	6	x	1	x	1	Medium	3600	
NS359	37193	6	x	1	x	1	Fine	3600	
NS360	37194	6	x	1	x	1	Extra-fine	3600	
NS361	42300	7	x	1	x	1	Medium	3600	
NS362	42301	7	x	1	x	1	Fine	3600	
NS363	42302	7	x	1	x	1	Extra-fine	3600	
NS364	44087	8	x	1	x	1	Medium	3600	
NS365	44534	8	x	1	x	1	Fine	3600	
NS366	44535	8	x	1	x	1	Extra-fine	3600	
NS367	44536	10	x	1	x	1 1/4	Medium	2485	
NS368	60366	10	x	1	x	1 1/4	Fine	2485	
NS369	63359	12	x	2	x	1 1/4	Medium	2070	
NS370	63360	12	x	2	x	1 1/4	Fine	2070	

Arbor bushings

These size bushings shipped free of charge with your Gemini wheel order

Wheel Diameter	Wheel Centre Hole	1/2"	5/8"	3/4"	7/8"	1"	1 1/4"
6", 7"	1"	•	•	•	•		
8"	1"		•	•	•		
10"	1 1/4"			•	•	•	
12" x 1"	1 1/4"			•	•	•	
12" x 2"	1 1/4"					•	
12"	1 1/2"					•	•

D x T x A: Diameter x Thickness x Arbor Size

FLAP DISCS

Typical Applications

- Stock removal
- Deburring
- Blending welds
- Edge chamfering
- Rust removal
- Cleaning and finishing

NEON R766 ALUMINUM OXIDE

- Great for difficult-to-grind material such as aluminum, brass, bronze, stainless, carbon steel and titanium
- Good-performing, economically priced, general purpose discs
- Longer life and faster cut rate
- High-strength, lightweight & absorbs vibration
- Plastic wears away as disc grinds, allowing for full use of flap
- **Type 27 flat face:** High flap density, flexible plastic back discs
- **Type 29 conical shape:** Standard flap density



Model No.	Mfg. No.	Size D"	x	A"	Grit	Price /Each
TYPE 27						
N0083	66623399062	4 1/2	x	7/8	36	
N0084	66623399063	4 1/2	x	7/8	40	
N0085	66623399064	4 1/2	x	7/8	60	
N0086	66623399212	5	x	7/8	40	
N0087	66623399213	5	x	7/8	60	
N0088	66623399214	5	x	7/8	80	
N0089	66623399071	7	x	7/8	40	
N0090	66623399072	7	x	7/8	60	
N0091	66623399073	7	x	7/8	80	
TYPE 29						
N0092	66623399032	4 1/2	x	7/8	36	
N0093	66623399033	4 1/2	x	7/8	40	
N0094	66623399034	4 1/2	x	7/8	60	
N0095	66623399035	4 1/2	x	7/8	80	
N0096	66623399175	4 1/2	x	7/8	120	
N0097	66623399036	5	x	7/8	36	
N0098	66623399037	5	x	7/8	40	
N0099	66623399038	5	x	7/8	60	
N0100	66623399039	5	x	7/8	80	
N0101	66623399181	5	x	7/8	120	
N0102	66623399187	7	x	7/8	36	
N0103	66623399046	7	x	7/8	40	
N0104	66623399047	7	x	7/8	60	
N0105	66623399048	7	x	7/8	80	
N0106	66623399188	7	x	7/8	120	

747D (CERAMIC ALUMINUM OXIDE - TYPE 27)

- Premium ceramic mineral provides exceptional cut and life on the hardest metals



Model No.	Mfg. No.	Size D"	x	A"	Grit	Max RPM	Price /Each
BZ778	49613	4 1/2	x	7/8	36	13 300	
BZ779	49614	4 1/2	x	7/8	50	13 300	
BZ780	49615	4 1/2	x	7/8	60	13 300	
BZ781	49616	4 1/2	x	7/8	80	13 300	
BZ782	49617	4 1/2	x	7/8	120	13 300	

QUICK TRIM SG BLAZE R980P – TYPE 27

- Latest-generation ceramic alumina abrasive grain and improved supersize grinding aid
- New orange, plastic back plate material
- Easily trimmable, the plastic wears away as the flap discs grind
- Durable Y-wt polyester flaps significantly improve life, grain retention, and fray resistance
- 1-step grinding and finishing
- Ideal for: Stock removal, edge chamfering, weld blending, deburring/deflashing, cleaning/finishing
- Best/highest productivity on stainless steel, titanium, and super alloys



Model No.	Mfg. No.	Size D"	x	A"	Grit	Max RPM	Price /Each
NR954	66254400253	4 1/2	x	7/8	40	13 300	
NR955	66254400254	4 1/2	x	7/8	60	13 300	
NR956	66254400255	4 1/2	x	7/8	80	13 300	
NR957	66254400256	4 1/2	x	7/8	120	13 300	
NR958	66254400262	5	x	7/8	40	12 000	
NR959	66254400264	5	x	7/8	60	12 000	
NR960	66254400265	5	x	7/8	80	12 000	
NR961	66254400519	5	x	7/8	120	12 000	
NR966	66254461059	7	x	7/8	40	8600	
NR967	66254461060	7	x	7/8	60	8600	
NR968	66254461061	7	x	7/8	80	8600	
NR969	66254461063	7	x	7/8	120	8600	
NR950	66254400257	4 1/2	x	5/8-11	40	13 300	
NR951	66254400258	4 1/2	x	5/8-11	60	13 300	
NR952	66254400259	4 1/2	x	5/8-11	80	13 300	
NR953	66254400261	4 1/2	x	5/8-11	120	13 300	
NR962	66254461066	7	x	5/8-11	40	8600	
NR963	66254461067	7	x	5/8-11	60	8600	
NR964	66254461068	7	x	5/8-11	80	8600	
NR965	66254461069	7	x	5/8-11	120	8600	

CUBITRON™ II 967A

- Ideal for a wide range of low to medium-high pressure applications
- Used for paint prep and stainless steel fabrication where finish and gouge resistance are important
- Safe on stainless steel, carbon steel, aluminum and non-ferrous metals
- Grinding aid helps keep product cool on heat-sensitive metals
- All discs have Y-weight poly-cotton backing



Model No.	Mfg. No.	Size D"	x	A"	Grit	Max RPM	Price /Each
TYPE 27							
NU325	051141-55605	4 1/2	x	7/8	40+	13 300	
NU326	051141-55606	4 1/2	x	7/8	60+	13 300	
NU327	051141-55607	4 1/2	x	7/8	80+	13 300	
NU345	051125-86715	5	x	7/8	40+	12 000	
NU348	051125-86718	5	x	7/8	60+	12 000	
NU349	051125-86719	5	x	7/8	80+	12 000	
NU328	051141-55611	7	x	7/8	40+	8600	
NU329	051141-55612	7	x	7/8	60+	8600	
NU330	051141-55613	7	x	7/8	80+	8600	
TYPE 29							
NU331	051141-55623	4 1/2	x	7/8	40+	13 300	
NU332	051141-55624	4 1/2	x	7/8	60+	13 300	
NU333	051141-55625	4 1/2	x	7/8	80+	13 300	
NU346	051125-86716	5	x	7/8	40+	12 000	
NU347	051125-86717	5	x	7/8	60+	12 000	
NU350	051125-86720	5	x	7/8	80+	12 000	
NU334	051141-55629	7	x	7/8	40+	8600	
NU335	051141-55630	7	x	7/8	60+	8600	
NU336	051141-55631	7	x	7/8	80+	8600	

D x A: Diameter x Arbor Size

NORTON METAL R828

- Quality zirconia alumina abrasive
- Strong engineered blend of X-wt cotton and Y-weight dark blue polyester flaps offers higher cut rate, longer life, and greater wear resistance
- Durable, fibreglass back offers strength, lightweight and absorbs vibration
- Available in both Type 29 conical for hard-to-grind materials and Type 27 flat for softer materials



NORTON

Model No.	Mfg. No.	Size D"	x	A"	Grit	Max RPM	Price /Each
NORTON METAL TYPE 27 - FIBREGLASS PLATE							
NR884	66254472653	4 1/2	x	7/8	36	13 300	
NR885	66254437004	4 1/2	x	7/8	40	13 300	
NR886	66254448989	4 1/2	x	7/8	60	13 300	
NR887	66254448990	4 1/2	x	7/8	80	13 300	
NR888	66254472659	5	x	7/8	36	12 000	
NR889	66254472660	5	x	7/8	40	12 000	
NR890	66254472661	5	x	7/8	60	12 000	
NR891	66254472662	5	x	7/8	80	12 000	
NR893	66254472665	7	x	7/8	40	8600	
NR894	66254472666	7	x	7/8	60	8600	
NR895	66254472667	7	x	7/8	80	8600	
NORTON METAL TYPE 29 - FIBREGLASS PLATE							
NR148	66254419963	4 1/2	x	7/8	36	13 300	
NR149	66254419978	4 1/2	x	7/8	40	13 300	
NR150	66254419984	4 1/2	x	7/8	60	13 300	
NR151	66254419987	4 1/2	x	7/8	80	13 300	
NR152	66254419998	5	x	7/8	36	12 000	
NR153	66254420001	5	x	7/8	40	12 000	
NR154	66254420002	5	x	7/8	60	12 000	
NR155	66254420003	5	x	7/8	80	12 000	
NR156	66254420004	7	x	7/8	36	8600	
NR157	66254420006	7	x	7/8	40	8600	
NR159	66254420008	7	x	7/8	80	8600	

PREMIUM 2 IN 1 – TYPE 29

- Grinding & finishing in just 1 step
- Offers high removal and an aggressive angle
- Superior combination of life & removal with a trimmable backing
- Lowers your blending & finishing costs
- For use on steel & stainless steel
- Material: Zirconium



TYROLIT

Model No.	Mfg. No.	Size D"	x	A"	Grit	Max RPM	Price /Each
NU413	34043471	4 1/2	x	7/8	40	13 300	
NU414	34043472	4 1/2	x	7/8	60	13 300	
NU415	34043473	4 1/2	x	7/8	80	13 300	
NU416	34043475	5	x	7/8	40	12 250	
NU417	34043476	5	x	7/8	60	12 250	
NU418	34043477	5	x	7/8	80	12 250	

D x A: Diameter x Arbor Size

Can't find what you're looking for?
Call us today!



ENDURO-FLEX™

The one step finishing disc

- One-step finishing discs not only meet but surpass the challenges that the metal fabricating and finishing industry faces daily
- Ultra sharp and refined zirconium grain stays sharper longer to remove more material faster
- Special top coat continuously cools and lubricates the disc for smooth, vibration-free grinding and sanding from start to finish
- **With Spin-On arbor**: Will not smear or contaminate the work piece; patented backing has now even more reinforcing ribs for added safety; packing can be trimmed down easily for a customized feel
- **With 7/8" arbor**: Quiet and vibration-free grinding; complete control and total operator comfort; will not smear or contaminate the work piece; flexible backing wears down without the nuisance dust often associated with fibreglass backed discs
- Always use flange model **UG580**



WALTER Surface Technologies

Model No.	Mfg. No.	Size D"	x	A	Grit	Max RPM	Price /Each
SPIN-ON ARBOR							
BZ653	06-B-454	4 1/2	x	5/8"-11	40	13 300	
BZ654	06-B-456	4 1/2	x	5/8"-11	60	13 300	
BZ655	06-B-458	4 1/2	x	5/8"-11	80	13 300	
BZ656	06-B-462	4 1/2	x	5/8"-11	120	13 300	
BZ657	06-B-504	5	x	5/8"-11	40	12 200	
BZ658	06-B-506	5	x	5/8"-11	60	12 200	
BZ659	06-B-508	5	x	5/8"-11	80	12 200	
BZ660	06-B-512	5	x	5/8"-11	120	12 200	
BZ661	06-B-604	6	x	5/8"-11	40	10 200	
BZ662	06-B-606	6	x	5/8"-11	60	10 200	
BZ663	06-B-608	6	x	5/8"-11	80	10 200	
BZ664	06-B-612	6	x	5/8"-11	120	10 200	
7/8" ARBOR							
TE229	15-R-454	4 1/2	x	7/8"	40	13 300	
TE230	15-R-456	4 1/2	x	7/8"	60	13 300	
TE231	15-R-458	4 1/2	x	7/8"	80	13 300	
TE232	15-R-462	4 1/2	x	7/8"	120	13 300	
TE233	15-R-504	5	x	7/8"	40	12 200	
TE234	15-R-506	5	x	7/8"	60	12 200	
TE235	15-R-508	5	x	7/8"	80	12 200	
TE236	15-R-512	5	x	7/8"	120	12 200	
TE237	15-R-704	7	x	7/8"	40	8600	
TE238	15-R-706	7	x	7/8"	60	8600	
TE239	15-R-708	7	x	7/8"	80	8600	
TE240	15-R-712	7	x	7/8"	120	8600	

STANDARD 2 IN 1 – TYPE 29

- Standard aggressive fiber backed Zirconium
- High removal rate
- For use on steel & stainless steel
- Material: Zirconium



TYROLIT

Model No.	Mfg. No.	Size D"	x	A"	Grit	Max RPM	Price /Each
NU423	572473	4 1/2	x	7/8	40	13 300	
NU424	454393	4 1/2	x	7/8	60	13 300	
NU425	455312	4 1/2	x	7/8	80	13 300	
NU426	824385	5	x	7/8	40	12 250	
NU427	455303	5	x	7/8	60	12 250	
NU428	458587	5	x	7/8	80	12 250	

ENDURO-FLEX™ STAINLESS

- With Eco-Trim™ backing made from natural and sustainable plant fibres this backing can easily be trimmed
- Heat absorbent, high-tech material ensures cooler grinding
- Flap discs contain no fibreglass, no mineral fibres and no epoxy resin
- Feature an ultra resistant built-in threaded arbor for quick and easy disc changes
- A new raised hub fits all standard angle grinder back flanges
- **With Spin-On arbor**: FE free abrasive cloth; consistent finish without any discoloration; cool cutting will not load up or glaze; superior performance on all heat sensitive metals
- **With 7/8" arbor**: A small, universal grinding angle ensures optimal abrasive contact with the work piece for quiet, vibration-free grinding, complete control and total operator comfort

WALTER Surface Technologies



Model No.	Mfg. No.	Size D"	x	A	Grit	Max RPM	Price /Each
SPIN-ON ARBOR							
BZ665	06-F-454	4 1/2	x	5/8"-11	40	13 300	
BZ666	06-F-456	4 1/2	x	5/8"-11	60	13 300	
BZ667	06-F-458	4 1/2	x	5/8"-11	80	13 300	
BZ668	06-F-462	4 1/2	x	5/8"-11	120	13 300	
BZ669	06-F-504	5	x	5/8"-11	40	12 200	
BZ670	06-F-506	5	x	5/8"-11	60	12 200	
BZ671	06-F-508	5	x	5/8"-11	80	12 200	
BZ672	06-F-512	5	x	5/8"-11	120	12 200	
BZ673	06-F-604	6	x	5/8"-11	40	10 200	
BZ674	06-F-606	6	x	5/8"-11	60	10 200	
BZ675	06-F-608	6	x	5/8"-11	80	10 200	
BZ676	06-F-612	6	x	5/8"-11	120	10 200	

Model No.	Mfg. No.	Size D"	x	A"	Grit	Max RPM	Price /Each
7/8" ARBOR							
TE241	15-Q-454	4 1/2	x	7/8	40	13 300	
TE242	15-Q-456	4 1/2	x	7/8	60	13 300	
TE243	15-Q-458	4 1/2	x	7/8	80	13 300	
TE244	15-Q-462	4 1/2	x	7/8	120	13 300	
TE245	15-Q-504	5	x	7/8	40	12 200	
TE246	15-Q-506	5	x	7/8	60	12 200	
TE247	15-Q-508	5	x	7/8	80	12 200	
TE248	15-Q-512	5	x	7/8	120	12 200	
TE249	15-Q-704	7	x	7/8	40	8600	
TE250	15-Q-706	7	x	7/8	60	8600	
TE251	15-Q-708	7	x	7/8	80	8600	
TE252	15-Q-712	7	x	7/8	120	8600	

FLEXSTEEL™ FLAP DISC

- Ideal for blending sharp corners, heavy, and fillet welds
- High-performance flap disc optimized for use on low powered angle grinders
- Trimmable backing extends disc life
- Abrasive Material: Zirconia Alumina
- Type 27

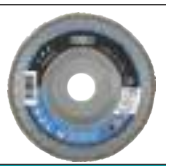


Model No.	Mfg. No.	Arbor Hole Size"	Diameter"	Grit	Max RPM	Price /Each
NV019	15W454	7/8	4-1/2	40	13 300	
NV020	15W456	7/8	4-1/2	60	13 300	
NV021	15W458	7/8	4-1/2	80	13300	
NV022	15W462	7/8	4-1/2	120	13 300	
NV023	15W504	7/8	5	40	12 200	
NV024	15W506	7/8	5	60	12 200	
NV025	15W508	7/8	5	80	12 200	
NV026	15W512	7/8	5	120	12 200	
NV027	15W604	7/8	6	40	10 200	
NV028	15W606	7/8	6	60	10 200	
NV029	15W608	7/8	6	80	10 200	
NV030	15W612	7/8	6	120	10 200	
NV031	15W704	7/8	7	40	8600	
NV032	15W706	7/8	7	60	8600	
NV033	15W708	7/8	7	80	8600	
NV034	15W712	7/8	7	120	8600	

LONG LIFE C-TRIM FLAP DISC

- Designed for heavy-duty use on steel and stainless steel
- Trimmable plastic booking
- Fe,s, and Cl free
- Type: 29

TYROLIT



Model No.	Mfg. No.	Diameter"	Grit	Max RPM	Price /Each
7/8" ARBOR					
NU780	34239191	4-1/2	40	13 300	
NU781	34239192	4-1/2	60	13 300	
NU584	34239193	4-1/2	80	13 300	
NU585	34239194	4-1/2	120	13 300	
NU784	34239195	5	40	12 250	
NU785	34239196	5	60	12 250	
NU582	34239197	5	80	12 250	
NU581	34239198	5	120	12 250	
5/8"-11 EZ - SPIN					
NV125	20060652	4-1/2	40	13 300	
NV126	20060653	4-1/2	60	13 300	
NV127	20060654	4-1/2	80	13 300	
NV128	20060803	4-1/2	120	13 300	
NV129	20060805	5	40	12 250	
NV130	20060806	5	60	12 250	
NV131	20060807	5	80	12 250	
NV132	20060808	5	120	12 250	

FLAP WHEELS

Typical Applications

- Metal fabrication
- Blending welds
- Deburring
- Cleaning and finishing

Conformable to most shapes

Designed to deliver a consistent finish with a uniform rate of cut, Norton flap wheels wear away, continually exposing fresh abrasive. Conformable to most shapes, they are available in coarse to fine grit.

COOLCUT™ FLAP WHEELS

These flap wheels are made of the highest industrial quality abrasive cloth and have an optimal number of flaps that are securely bonded and balanced around the hub for highest quality finishing. They are ideal for general purpose blending, shaping and deburring and will give a consistent and uniform grained satin finish in no time.

WALTER Surface Technologies COOLCUT



Model No.	Mfg. No.	Size D"	x	T"	x	A"	Grit	Max RPM	Price /Each
BZ950	15-F-056	1	x	3/8	x	1/4	60	30 000	
BZ951	15-F-058	1	x	3/8	x	1/4	80	30 000	
BZ952	15-F-062	1	x	3/8	x	1/4	120	30 000	
BZ953	15-F-156	1	x	1	x	1/4	60	30 000	
BZ954	15-F-158	1	x	1	x	1/4	80	30 000	
BZ955	15-F-162	1	x	1	x	1/4	120	30 000	
YC398	15-F-006	1 1/2	x	3/8	x	1/4	60	25 000	
UG072	15-F-008	1 1/2	x	3/8	x	1/4	80	25 000	
YC402	15-F-012	1 1/2	x	3/8	x	1/4	120	25 000	
UG073	15-F-106	1 1/2	x	1	x	1/4	60	25 000	
UG074	15-F-108	1 1/2	x	1	x	1/4	80	25 000	
UG075	15-F-112	1 1/2	x	1	x	1/4	120	25 000	
UG076	15-F-124	1 1/2	x	1	x	1/4	240	25 000	
YB811	15-F-206	2	x	3/8	x	1/4	60	25 000	
UG077	15-F-208	2	x	3/8	x	1/4	80	25 000	
UG078	15-F-212	2	x	3/8	x	1/4	120	25 000	
YC035	15-F-306	2	x	1	x	1/4	60	25 000	
UG079	15-F-308	2	x	1	x	1/4	80	25 000	
UG080	15-F-312	2	x	1	x	1/4	120	25 000	
UG081	15-F-324	2	x	1	x	1/4	240	25 000	
YC036	15-F-506	2 1/2	x	1 1/2	x	1/4	60	20 000	
UG084	15-F-508	2 1/2	x	1 1/2	x	1/4	80	20 000	
UG085	15-F-512	2 1/2	x	1 1/2	x	1/4	120	20 000	
UG086	15-F-524	2 1/2	x	1 1/2	x	1/4	240	20 000	
UG089	15-F-706	3	x	1	x	1/4	60	15 000	
UG090	15-F-708	3	x	1	x	1/4	80	15 000	
UG091	15-F-712	3	x	1	x	1/4	120	15 000	
UG092	15-F-808	3	x	1 1/2	x	1/4	80	15 000	
UG093	15-F-812	3	x	1 1/2	x	1/4	120	15 000	
UG094	15-F-824	3	x	1 1/2	x	1/4	240	15 000	
YC448	15-F-906	3	x	2	x	1/4	60	11 000	
UG095	15-F-908	3	x	2	x	1/4	80	11 000	
YC449	15-F-912	3	x	2	x	1/4	120	11 000	

MANDREL MOUNTED FLAP WHEELS

- Mandrel mounted high performance
- Designed with the 1/4" mandrel as a integral part of the wheel
- More aggressive and works great in heavy stock removal operations
- A very durable, long lasting mini flap wheel



MERIT

Model No.	Size D"	x	T"	x	S"	Grit	Max RPM	Price /Each
BQ700	1	x	5/8	x	1/4	40	30000	
BQ696	1	x	5/8	x	1/4	60	30000	
BQ697	1	x	5/8	x	1/4	80	30000	
BQ698	1	x	5/8	x	1/4	120	30000	
BQ571	1	x	5/8	x	1/4	180	30000	
BQ699	1	x	5/8	x	1/4	240	30000	
BQ567	1	x	1	x	1/4	40	30000	
NP722	1	x	1	x	1/4	50	30000	
BQ730	1	x	1	x	1/4	60	30000	
BQ731	1	x	1	x	1/4	80	30000	
BQ732	1	x	1	x	1/4	120	30000	
BQ733	1	x	1	x	1/4	180	30000	
BQ701	1	x	1	x	1/4	240	30000	
BQ734	1	x	1	x	1/4	320	30000	
BQ736	1 3/8	x	5/8	x	1/4	60	30000	
BQ737	1 3/8	x	5/8	x	1/4	80	30000	
BQ738	1 3/8	x	5/8	x	1/4	120	30000	
BQ739	1 3/8	x	5/8	x	1/4	180	30000	
BQ740	1 3/8	x	5/8	x	1/4	240	30000	
BQ677	1 1/2	x	1	x	1/4	40	25000	
BQ741	1 1/2	x	1	x	1/4	60	25000	
BQ707	1 1/2	x	1	x	1/4	80	25000	
BQ708	1 1/2	x	1	x	1/4	120	25000	
BQ742	1 1/2	x	1	x	1/4	180	25000	
BQ613	1 1/2	x	1	x	1/4	240	25000	

Model No.	Size D"	x	T"	x	S"	Grit	Max RPM	Price /Each
BQ710	2	x	3/4	x	1/4	40	25000	
BQ711	2	x	3/4	x	1/4	60	25000	
BQ712	2	x	3/4	x	1/4	80	25000	
BQ713	2	x	3/4	x	1/4	120	25000	
BQ714	2	x	3/4	x	1/4	180	25000	
BQ754	2	x	1	x	1/4	40	25000	
NP723	2	x	1	x	1/4	50	25000	
BQ748	2	x	1	x	1/4	60	25000	
BQ749	2	x	1	x	1/4	80	25000	
BQ750	2	x	1	x	1/4	120	25000	
BQ751	2	x	1	x	1/4	180	25000	
BQ752	2	x	1	x	1/4	240	25000	
BQ753	2	x	1	x	1/4	320	25000	
BQ716	2	x	1 1/2	x	1/4	40	25000	
BQ755	2	x	1 1/2	x	1/4	60	25000	
BQ756	2	x	1 1/2	x	1/4	80	25000	
BQ757	2	x	1 1/2	x	1/4	120	25000	
BQ760	2 1/2	x	1	x	1/4	40	20000	
BQ761	2 1/2	x	1	x	1/4	60	20000	
BQ762	2 1/2	x	1	x	1/4	80	20000	
BQ763	2 1/2	x	1	x	1/4	120	20000	
BQ764	2 1/2	x	1	x	1/4	180	20000	
BQ847	2 1/2	x	1	x	1/4	240	20000	
BQ765	2 1/2	x	1	x	1/4	320	20000	

Model No.	Size D"	x	T"	x	S"	Grit	Max RPM	Price /Each
BQ766	2 1/2	x	1 1/2	x	1/4	60	20000	
BQ767	2 1/2	x	1 1/2	x	1/4	80	20000	
BQ768	2 1/2	x	1 1/2	x	1/4	120	20000	
BQ770	3	x	3/4	x	1/4	60	20000	
BQ771	3	x	3/4	x	1/4	80	20000	
BQ775	3	x	1	x	1/4	40	20000	
BQ773	3	x	1	x	1/4	60	20000	
BQ774	3	x	1	x	1/4	80	20000	
BQ722	3	x	1	x	1/4	120	20000	
BQ723	3	x	1	x	1/4	180	20000	
BQ685	3	x	1	x	1/4	240	20000	
BQ686	3	x	1	x	1/4	320	20000	
BQ776	3	x	2	x	1/4	40	12000	
BQ724	3	x	2	x	1/4	60	12000	
BQ725	3	x	2	x	1/4	80	12000	
BQ726	3	x	2	x	1/4	120	12000	
BQ727	3	x	2	x	1/4	180	12000	

D x T x S: Diameter x Thickness x Shank

BENCH MOUNTED FLAP WHEELS

- Mounted on bench grinder applies light scratch pattern to stainless steel



MERIT

Model No.	Size D"	x	T"	x	A"	Grit	Max RPM	Price /Each
BQ268	5	x	1 1/2	x	5/8	40	12000	
BQ269	5	x	1 1/2	x	5/8	50	12000	
BQ270	5	x	1 1/2	x	5/8	60	12000	
BQ271	5	x	1 1/2	x	5/8	80	12000	
BQ272	5	x	1 1/2	x	5/8	120	12000	
BQ274	5	x	1 1/2	x	5/8	180	12000	
BQ275	5	x	1 1/2	x	5/8	240	12000	
BQ276	5	x	1 1/2	x	5/8	320	12000	
BQ302	6	x	1/2	x	1	40	6000	
BQ303	6	x	1/2	x	1	60	6000	
BQ305	6	x	1/2	x	1	120	6000	
BQ280	6	x	1/2	x	1	150	6000	
BQ306	6	x	1/2	x	1	180	6000	
BQ307	6	x	1/2	x	1	240	6000	
BQ279	6	x	1/2	x	1	320	6000	
BQ308	6	x	1	x	1	40	6000	
BQ309	6	x	1	x	1	50	6000	
BQ310	6	x	1	x	1	60	6000	
BQ311	6	x	1	x	1	80	6000	
BQ312	6	x	1	x	1	120	6000	
BQ313	6	x	1	x	1	150	6000	
BQ314	6	x	1	x	1	180	6000	
BQ315	6	x	1	x	1	240	6000	
BQ316	6	x	1	x	1	320	6000	

Model No.	Size D"	x	T"	x	A"	Grit	Max RPM	Price /Each
BQ317	6	x	1 1/2	x	1	40	6000	
BQ318	6	x	1 1/2	x	1	50	6000	
BQ319	6	x	1 1/2	x	1	60	6000	
BQ320	6	x	1 1/2	x	1	80	6000	
BQ321	6	x	1 1/2	x	1	120	6000	
BQ322	6	x	1 1/2	x	1	150	6000	
BQ323	6	x	1 1/2	x	1	180	6000	
BQ324	6	x	1 1/2	x	1	240	6000	
BQ325	6	x	1 1/2	x	1	320	6000	
BQ328	6	x	2	x	1	60	6000	
BQ329	6	x	2	x	1	80	6000	
BQ330	6	x	2	x	1	120	6000	
BQ332	6	x	2	x	1	180	6000	
BQ333	6	x	2	x	1	240	6000	
BQ334	6	x	2	x	1	320	6000	
BQ336	6	x	3	x	1	50	6000	
BQ337	6	x	3	x	1	60	6000	
BQ338	6	x	3	x	1	80	6000	
BQ339	6	x	3	x	1	120	6000	
BQ299	6	x	3	x	1	150	6000	
BQ340	6	x	3	x	1	180	6000	
BQ341	6	x	3	x	1	240	6000	
BQ294	6	x	3	x	1	320	6000	

Model No.	Size D"	x	T"	x	A"	Grit	Max RPM	Price /Each
BQ342	8	x	1	x	1	40	4500	
BQ343	8	x	1	x	1	50	4500	
BQ344	8	x	1	x	1	60	4500	
BQ345	8	x	1	x	1	80	4500	
BQ346	8	x	1	x	1	120	4500	
BQ347	8	x	1	x	1	180	4500	
BQ348	8	x	1	x	1	240	4500	
BQ350	8	x	2	x	1	40	4500	
BQ351	8	x	2	x	1	50	4500	
BQ353	8	x	2	x	1	80	4500	
BQ355	8	x	2	x	1	180	4500	
BQ356	8	x	2	x	1	240	4500	
BQ357	8	x	2	x	1	320	4500	
BQ281	10	x	1	x	1 3/4	40	4000	
BQ360	10	x	1	x	1 3/4	80	4000	
BQ361	10	x	1	x	1 3/4	120	4000	
BQ362	10	x	1	x	1 3/4	150	4000	
BQ363	10	x	1	x	1 3/4	180	4000	
BQ364	10	x	1	x	1 3/4	320	4000	

D x T x A: Diameter x Thickness x Arbor Size



BRISTLE DISCS

Bristle discs are ideal for safely cleaning and stripping a wide variety of substances off of metal. The discs will easily cut through hardened enamel, paint, thick dried adhesives, and layers of corrosion, without destroying the underlying material or compromising safety with dangerous flying wires.

In addition, bristle discs do not clog up with substances being removed, and give consistent finishes throughout the life of the discs.

All bristle discs are colour coded by grade and are made of nylon embedded with abrasive to create an abrasive action. Each disc is flexible and easily conforms to contours and tight corners and angles.

ROLOC™ BRISTLE DISCS

- Uniform concentration of mineral throughout the flexible abrasive filled bristles
- Fast cut rate and long performance life for removal of rust, coatings, and flashing
- Roloc™ attachment method for quick and easy disc changes
- All discs feature a 5/8" trim length and are embedded with Regalite™ abrasive mineral



Model No.	Size"	Trim Type	Grit	Colour	Max. RPM	Price /Each
BP106	1	Straight	50	Green	30 000	
BP107	1	Straight	80	Yellow	30 000	
BP105	1	Straight	120	White	30 000	
BP109	2	Tapered	50	Green	25 000	
BP110	2	Tapered	80	Yellow	25 000	
BP108	2	Tapered	120	White	25 000	
BP112	3	Tapered	50	Green	18 000	
BP113	3	Tapered	80	Yellow	18 000	
BP111	3	Tapered	120	White	18 000	

ROLOC™ RADIAL BRISTLE DISCS

- Same characteristics as the Roloc™ bristle discs, but in a radial format
- Roloc™ radial bristle discs come in 3" diameters and have a maximum operating RPM of 25 000



Model No.	Grit	Colour	Price /Each
BP103	50	Green	
BP104	80	Yellow	
BP102	120	White	

ROLOC™ DISC HOLDERS

- Rubber Roloc™ back-up pads are offered in different sizes and degrees of hardness for varying grinding applications
- All Roloc™ disc holders are threaded and require model **BP013** 1/4", threaded shaft





Model No.	Size"	Density	Max. RPM	Price /Each
BP007	1	Medium	30 000	
BP011	2	Soft	20 000	
BP008	2	Medium	25 000	
BP005	2	Hard	25 000	
BP003	2	Extra hard	25 000	
BP012	3	Soft	15 000	
BP009	3	Medium	18 000	
BP006	3	Hard	20 000	
BP004	3	Extra hard	20 000	
BP010	4	Medium	12 000	

ROLOC™ THREADED SHAFT

Model No. BP013 Price/Each $

RADIAL BRISTLE DISCS

- All discs are very flexible for deburring, cleaning, or finishing intricate or tiny areas
- Ideal for hi-tech housings and components, medical products, cleaning marks off of precision parts and creating satin, and higher, finishes on hard and soft metals



Priced per Package

Model No.	Size"	Shank"	Grit	Colour	Max. RPM	Qty /Pack	Price /Pack
BP096	9/16	1/16	120X	White	30 000	48	
BP097	9/16	1/16	P220X	Red	30 000	48	
BP098	9/16	1/16	P400X	Blue	30 000	48	
BP101	9/16	1/16	Pumice	Pink	30 000	192	
BP100	9/16	1/16	Polish II	Peach	30 000	48	
BP099	9/16	1/16	Polish I	Light green	30 000	48	
BP091	3/4	1/16	80X	Yellow	30 000	48	
BP089	3/4	1/16	P220X	Red	30 000	48	
BP090	3/4	1/16	P400X	Blue	30 000	192	
BP092	3/4	1/16	Pumice	Pink	30 000	48	
BP083	1	1/8	36X	Dark brown	30 000	24	
BP084	1	1/8	50X	Green	30 000	24	
BP085	1	1/8	80X	Yellow	30 000	24	
BP082	1	1/8	120X	White	30 000	24	
BP087	3	3/8	50	Green	25 000	10	
BP088	3	3/8	80	Yellow	25 000	10	

RADIAL BRISTLE BRUSHES FOR BENCH GRINDERS

- Radial bristle brushes have the same characteristics as the other 3M bristle brushes, but come in a convenient 6" size bench grinders
- Each brush comes with its own adapter
- Radial bristle brushes take the place of conventional wire wheels, on bench grinders, for general maintenance and production work
- Nylon bristles eliminate dangerous flying wires



Model No.	Size"	Grit	Colour	Max. RPM	Price /Each
BP093	6	36X	Dark brown	10 000	
BP094	6	50X	Green	10 000	
BP095	6	80X	Yellow	10 000	

RADIAL BRISTLE DISCS FOR RIGHT ANGLE GRINDERS

- 4 1/2" bristle discs with 5/8"-11 threaded hub
- Same safety and efficiency benefits as other bristle discs but in a right angle grinder configuration
- Ideal for cleaning, delaminating, removing rust and oxidation, and deburring a variety of hard and soft metals and plastics
- All discs have a maximum operating speed of 12 000 RPM



Model No.	Size"	Grit	Colour	Price /Each
VV392	4 1/2	36	Brown	
BP079	4 1/2	50	Green	
BP080	4 1/2	80	Yellow	
BP078	4 1/2	120	White	

FIBRE DISCS

Typical Applications
- Material removal
- Weld grinding and blending
- Light deburring and finishing

ZIRCONIA ALUMINA FIBRE DISCS

- Durable zirconia alumina abrasive with a heavy fibre backing
- Superior product for heavy weld and metal grinding
- Cool grinding action that reduces glazing and loading
- Excellent for stainless steel applications



MERIT

Model No.	Mfg. No.	Size D"	x	A"	Grit	Price /Each
BZ560	66623353315	4 1/2	x	7/8	24	
BZ561	66623353316	4 1/2	x	7/8	36	
BZ562	66623353318	4 1/2	x	7/8	50	
BZ563	66623353319	4 1/2	x	7/8	60	
BZ564	66623353320	4 1/2	x	7/8	80	
BZ577	66623357290	5	x	7/8	24	
BZ579	66623357292	5	x	7/8	50	
BZ580	66623357293	5	x	7/8	60	
BZ581	66623357294	5	x	7/8	80	
BZ582	66623357295	7	x	7/8	24	
BZ583	66623357296	7	x	7/8	36	
BZ584	66623357297	7	x	7/8	50	
BZ585	66623357298	7	x	7/8	60	
BZ586	66623357299	7	x	7/8	80	

NORTON METAL F240 DISCS

- Quality aluminum oxide grain on heavy fibre backing
- Good for small job around the shop and general purpose applications



NORTON

Model No.	Mfg. No.	Size D"	x	A"	Grit	Price /Each
BQ035	66623353309	4 1/2	x	7/8	24	
BQ036	66623353306	4 1/2	x	7/8	36	
BQ037	66623353310	4 1/2	x	7/8	50	
BQ038	66623353311	4 1/2	x	7/8	60	
BQ039	66623353312	4 1/2	x	7/8	80	
BQ040	66623353313	4 1/2	x	7/8	100	
BQ041	66623353314	4 1/2	x	7/8	120	
BQ042	66623357276	5	x	7/8	24	
BQ043	66623357277	5	x	7/8	36	
BQ044	66623357278	5	x	7/8	50	
BQ045	66623357279	5	x	7/8	60	
BQ046	66623357280	5	x	7/8	80	
BQ047	66623357281	5	x	7/8	100	
BQ048	66623357282	5	x	7/8	120	
BQ049	66623357283	7	x	7/8	24	
BQ050	66623357284	7	x	7/8	36	
BQ051	66623357285	7	x	7/8	50	
BQ052	66623357286	7	x	7/8	60	
BQ053	66623357287	7	x	7/8	80	
BQ054	66623357288	7	x	7/8	100	
BQ055	66623357289	7	x	7/8	120	

MERIT CERAMIC DISCS

- High performance ceramic alumina abrasive on heavy fibre backing
- Economical choice for heavy stock removal



MERIT

Model No.	Mfg. No.	Size D"	x	A"	Grit	Price /Each
BZ573	66623355601	4 1/2	x	7/8	24	
BZ574	66623355602	4 1/2	x	7/8	36	
BZ575	66623355603	4 1/2	x	7/8	50	
BZ576	66623355604	4 1/2	x	7/8	60	
NS489	66623365598	4 1/2	x	7/8	80	
BZ569	66623355597	5	x	7/8	24	
BZ570	66623355598	5	x	7/8	36	
BZ571	66623355599	5	x	7/8	50	
BZ572	66623355600	5	x	7/8	60	
NS494	66623366015	5	x	7/8	80	
BZ565	66623355578	7	x	7/8	24	
BZ566	66623355594	7	x	7/8	36	
BZ567	66623355595	7	x	7/8	50	
BZ568	66623355596	7	x	7/8	60	
NS499	66623365600	7	x	7/8	80	

AIR COOLED RUBBER BACK UP PADS

- Designed for medium to heavy grinding applications
- Slotted aluminum hub design draws cool air behind the disc
- Curved ribs on the rubber face force heat away from the disc and back-up pad
- Cooler cutting action reduces disc loading and increases grinding life
- All pads have 5/8"-11 threaded female hub for mounting



Model No.	Mfg. No.	Description	Max RPM	Price /Each
BZ056	08834195006	4 1/2" back up pad	11 000	
BZ053	08834195002	5" back up pad	10 000	
BZ054	08834195003	7" back up pad	8500	
BZ052	08834195000	Disc pad nut 5/8"-11	-	
BY731	08834192776	Spanner wrench fits 5/8" and 3/8"	-	

GET CLEAN
Industrial handsoap with scrubbing particles for stubborn grease and grime
TRY SOME TODAY!
Model JG223
See page 331
Produits D'Entretien RMP Maintenance Products



D x A: Diameter x Arbor Size

COOLCUT™ XX

- Featuring cyclone technology, exclusive high tech blend of abrasive grains, bond and cooling agents
- Impressive removal rate
- Work equally well in steel, stainless steel and aluminum



WALTER Surface Technologies

Model No.	Mfg. No.	Size"	Grit	Price /Each
VV437	15-X 453	4 1/2	36	
VV438	15-X 455	4 1/2	50	
VV439	15-X 456	4 1/2	60	
VV440	15-X 458	4 1/2	80	
VV441	15-X 460	4 1/2	100	
VV442	15-X 462	4 1/2	120	
VV443	15-X 503	5	36	
VV444	15-X 505	5	50	
VV445	15-X 506	5	60	
VV446	15-X 508	5	80	
VV447	15-X 510	5	100	
VV448	15-X 512	5	120	
VV449	15-X 703	7	36	
VV450	15-X 705	7	50	
VV451	15-X 706	7	60	
VV452	15-X 708	7	80	
VV453	15-X 710	7	100	
VV454	15-X 712	7	120	

COOLCUT™

- For general purpose sanding, light weld removal, surface cleaning and finishing
- High removal rate, cool cutting



WALTER Surface Technologies

COOLCUT

Model No.	Mfg. No.	Size D"	x	A"	Grit	Price /Each
UG017	15-C-452	4 1/2	x	7/8	24	
BZ797	15-C-453	4 1/2	x	7/8	36	
YB809	15-C-454	4 1/2	x	7/8	40	
BZ798	15-C-455	4 1/2	x	7/8	50	
UG018	15-C-456	4 1/2	x	7/8	60	
UG019	15-C-458	4 1/2	x	7/8	80	
UG020	15-C-460	4 1/2	x	7/8	100	
UG022	15-C-502	5	x	7/8	24	
BZ799	15-C-503	5	x	7/8	36	
UG023	15-C-504	5	x	7/8	40	
BZ800	15-C-505	5	x	7/8	50	
UG024	15-C-506	5	x	7/8	60	
UG025	15-C-508	5	x	7/8	80	
UG026	15-C-510	5	x	7/8	100	
UG027	15-C-512	5	x	7/8	120	
UG034	15-C-702	7	x	7/8	24	
UG035	15-C-703	7	x	7/8	36	
UG036	15-C-705	7	x	7/8	50	
UG037	15-C-706	7	x	7/8	60	
UG038	15-C-708	7	x	7/8	80	
UG039	15-C-710	7	x	7/8	100	
UG040	15-C-712	7	x	7/8	120	

D x A: Diameter x Arbor Size

TOPCUT™

- For the toughest weld removal, grinding and blending applications
- Blue zirconium abrasive grain to remove more material faster
- High strength heat resistant bond for longest disc life



WALTER Surface Technologies

Model No.	Mfg. No.	Size D"	x	A"	Grit	Price /Each
UG134	15-P-452	4 1/2	x	7/8	24	
UG135	15-P-453	4 1/2	x	7/8	36	
UG137	15-P-502	5	x	7/8	24	
UG140	15-P-702	7	x	7/8	24	
UG141	15-P-703	7	x	7/8	36	

ACCESSORIES

Backing pad assemblies: High quality impact resistant plastic with excellent heat dissipation characteristics; individually packaged, one clamping nut included

Turbo action backing pads (5/8" - 11 thread): Special saucer shaped backing pad with ribbed backing, assures a continuous stream of air between pad and disc for cool operation and long disc life; complete with 5/8"-11 clamping nut

WALTER Surface Technologies

BACKING PAD ASSEMBLIES (5/8"-11 THREAD)



Model No.	For sanding disc diameters"	Price /Each
VE827	4 1/2	
UG060	5	
UG062	6	
UG055	7	

TURBO ACTION BACKING PADS (5/8"-11 THREAD)



Model No.	Description	Dia."	Price/Each
TAV092	Standard Pad, Black	4 1/2	
TAV086	Turbo Action Backing Pads	5	
TAV071	Turbo Action Backing Pads	6	
UG131	Turbo Action Backing Pads	7	
UG132	Soft pad, White	7	

Ask us about volume prices!



In many cases you will benefit from quantity prices.

3M™ 787C FIBRE DISC

- Ideal for use on stainless steel and non-ferrous metals
- Requires less pressure than a conventional ceramic disc
- Abrasive Material: Ceramic



Model No.	Size D"	x	A"	Grit	Price /Each
NV037	4 1/2	x	7/8	36	
NV039	4 1/2	x	7/8	60	
NV042	4 1/2	x	7/8	80	
NV045	4 1/2	x	7/8	120	
NV038	5	x	7/8	36	
NV040	5	x	7/8	60	
NV043	5	x	7/8	80	
NV046	5	x	7/8	120	
NV160	7	x	7/8	36	
NV041	7	x	7/8	60	
NV044	7	x	7/8	80	
NV047	7	x	7/8	120	

381C ALUMINUM OXIDE FIBRE DISCS

- General purpose disc for weld removal, grinding and blending
- Aluminum oxide
- Resin bonded for heat resistance



Model No.	Size D"	x	A"	Grit	Price /Each
BP228	4 1/2	x	7/8	24	
BP236	4 1/2	x	7/8	36	
BP240	4 1/2	x	7/8	60	
BP244	4 1/2	x	7/8	80	
BP230	5	x	7/8	24	
BP234	5	x	7/8	36	
BP242	5	x	7/8	60	
BP246	5	x	7/8	80	
BP231	7	x	7/8	24	
BP243	7	x	7/8	60	
BP247	7	x	7/8	80	

ACCESSORIES

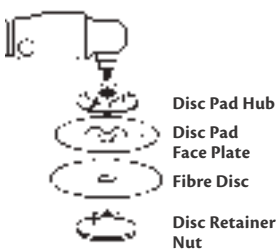
- **Disc Pad Hubs:** Plastic hubs with 5/8"-11 metal insert; use with 3M disc pad face plates
- **Disc Retainer Nuts**: For use with all 3M disc pad face plates,disc pads and 3M disc pad hubs; nuts have 5/8"-11 threaded arbor hole in three depths to accommodate grinder shaft lengths
- **Disc Pad Face Plates**: Backup plates for fibre discs 3M disc pad face plates are colour coded by density; ribbed plates result in cooler running discs; use harder face plates for heavier stock removal applications

Model No.	Size"	Price/Each
DISC PAD HUBS		
BP212	2 1/2	
BP213	4 1/2	
DISC RETAINER NUTS		
BP219	5/8	
BP217	1/2	
BP218	3/8	



DISC PAD FACE PLATES

Model No.	Size"	Max. RPM	Hardness - Colour	Price /Each
NS715	4 1/2	13 300	Medium - Grey	
BP188	5	12 000	Medium - Grey	
BP187	5	12 000	Hard - Black	
BP190	5	12 000	Extra Hard - Red	
BP192	7	8600	Medium - Grey	
BP191	7	8600	Hard - Black	
BP194	7	8600	Extra Hard - Red	



501C ALUMINA ZIRCONIA FIBRE DISCS

- Premium mineral for fast, cool grinding on all metals



Model No.	Size D"	x	A"	Grit	Price /Each
BP419	4 1/2	x	7/8	24	
BP422	4 1/2	x	7/8	36	
BP425	4 1/2	x	7/8	50	
BP428	4 1/2	x	7/8	60	
BP431	4 1/2	x	7/8	80	
BP420	5	x	7/8	24	
BP423	5	x	7/8	36	
BP426	5	x	7/8	50	
BP429	5	x	7/8	60	
BP432	5	x	7/8	80	
BP415	5	x	7/8	100	
BP421	7	x	7/8	24	
BP424	7	x	7/8	36	
BP427	7	x	7/8	50	
BP430	7	x	7/8	60	
BP433	7	x	7/8	80	
BP418	7	x	7/8	120	

D x A: Diameter x Arbor Size



SPEED-LOK TS & TR DISCS

Typical Applications
- Light to medium pressure grinding
- Blending, levelling and finishing applications
- For use on contours or flat surfaces

Features & benefits

Speed-Lok fastener, allows quick, tool-free disc changes allow for more grinding time

Twist on and twist off in 2 1/2 turns, disc locks securely to back-up pad, but is easily removed

NORTON SG BLAZE R980P CLOTH DISCS

- SG ceramic grain, provides coolest cut and significantly faster cut rates
- Improved resin bond system and durable backing offers greater durability and longest life on tough applications and stainless steel, and edge-fray resistance
- Polyester Y-wt backing, 3-ply laminate discs (yellow backing) more aggressive; ideal when durability and long life are required



NORTON

Size"	Grit	TS (Type II) Discs Model No.	Mfg. No.	Price /Each	TR (Type III) Discs Model No.	Mfg. No.	Price /Each
1 1/2	36	**NS547**	66261162307		**NS559**	66261162308	
1 1/2	50	**NS548**	66261162309		**NS560**	66261162310	
1 1/2	60	**NS549**	66261162311		**NS561**	66261162312	
1 1/2	80	**NS550**	66261162313		**NS562**	66261162314	
2	36	**NS551**	66261162317		**NS563**	66261162318	
2	50	**NS552**	66261162319		**NS564**	66261162320	
2	60	**NS553**	66261162321		**NS565**	66261162322	
2	80	**NS554**	66261162323		**NS566**	66261162324	
3	36	**NS555**	66261162327		**NS567**	66261162328	
3	50	**NS556**	66261162329		**NS568**	66261162330	
3	60	**NS557**	66261162331		**NS569**	66261162332	
3	80	**NS558**	66261162333		**NS570**	66261162334	

MERIT ZIRC PLUS R801 CLOTH DISCS

- Self-sharpening, zirconia alumina abrasive, cooler cut, longer life
- Heavy Y-wt backing, two-ply construction, extended durability and reduced edge-wear
- For grinding and deburring stainless steel



MERIT

Size"	Grit	TS (Type II) Discs Model No.	Mfg. No.	Price /Each	TR (Type III) Discs Model No.	Mfg. No.	Price /Each
1 1/2	36	**BR815**	08834167058		-	-	
1 1/2	60	**BR818**	08834167061		**BR842**	08834167103	
1 1/2	80	**BR819**	08834167062		**BR843**	08834167104	
2	36	**BQ023**	08834167065		**BR845**	08834167107	
2	50	**BQ025**	08834165583		**BR847**	08834167109	
2	60	**BQ026**	08834167068		**BR848**	08834167110	
2	80	**BQ027**	08834167069		**BR849**	08834167111	
3	36	**BQ029**	08834167072		**BR851**	08834167114	
3	50	**BQ031**	08834167074		**BR853**	08834167116	
3	60	**BQ032**	08834167075		**BR854**	08834167117	
3	80	**BQ033**	08834167076		**BR855**	08834167118	

MERIT ALO RESIN BOND CLOTH DISCS

- Premium aluminum oxide abrasive
- Long life
- Heavy-weight cloth construction
- Excellent durability
- X-wt cotton backing
- Ideal for aggressive stock removal applications
- Resistant to heat



MERIT

Size"	Grit	TS (Type II) Discs Model No.	Mfg. No.	Price /Each	TR (Type III) Discs Model No.	Mfg. No.	Price /Each
1-1/2	36	**N0045**	69957399626		-	-	-
1-1/2	40	**N0046**	69957399627		**N0066**	69957399695	
1-1/2	50	**N0047**	69957399628		-	-	-
1-1/2	60	**N0048**	69957399629		-	-	-
1-1/2	80	**N0049**	69957399630		**N0067**	69957399698	
1-1/2	100	**N0050**	69957399631		-	-	-
1-1/2	120	**N0051**	69957399632		**N0068**	69957399700	
2	36	**N0052**	69957399638		**N0069**	69957399706	
2	40	**N0053**	69957399639		**N0070**	69957399707	
2	50	**N0054**	69957399640		**N0071**	69957399708	
2	60	**N0055**	69957399641		**N0072**	69957399709	
2	80	**N0056**	69957399642		**N0073**	69957399710	
2	100	**N0057**	69957399643		**N0074**	69957399711	
2	120	**N0058**	69957399644		**N0075**	69957399712	
3	36	**N0059**	69957399650		**N0076**	69957399718	
3	40	**N0060**	69957399651		**N0077**	69957399719	
3	50	**N0061**	69957399652		**N0078**	69957399720	
3	60	**N0062**	69957399653		**N0079**	69957399721	
3	80	**N0063**	69957399654		**N0080**	69957399722	
3	100	**N0064**	69957399655		**N0081**	69957399723	
3	120	**N0065**	69957399656		**N0082**	69957399724	



BACK UP PADS

Description	Max RPM	TS (Type II) Model No.	Mfg. No.	Price /Each	TR (Type III) Model No.	Mfg. No.	Price /Each
1 1/2" Medium	30 000	**BR283**	08834164146		**BR104**	08834161174	
1 1/2" Hard	30 000	**BR434**	08834164622		-	-	-
2" Medium	30 000	**BR284**	08834164198		**BR469**	08834164922	
2" Hard	30 000	**BR435**	08834164624		**BR439**	08834164643	
3" Medium	20 000	**BR281**	08834164113		**BR475**	08834164949	
3" Hard	20 000	**BR164**	08834161626		**BR272**	08834164036	

Can't find what you're looking for?
Call us today!



963G ROLOC™ DISCS

- Premium Cubitron™ abrasive grain
- Water resistant polyester cloth backing
- Resin bonded for heat resistance andit can be run wet or dry
- Used primarily for metal working and woodworking



REGAL™ RESIN BOND CLOTH

Model No.	Size"	Grit	Price /Each
AC435	2	24	
AC436	2	36	
AC437	2	50	
AC438	2	60	
AC439	2	80	
AC440	2	100	
AC441	2	120	

Model No.	Size"	Grit	Price /Each
AC442	3	24	
AC443	3	36	
AC444	3	50	
AC446	3	80	
AC448	3	120	

361F DISCS

- General purpose grinding, blending and deburing on all metals
- Heavy-duty cloth backing



ROLOC™

Model No.	Size"	Grit	Price /Each
BP336	2	24	
BP338	2	36	
BP340	2	50	
BP342	2	60	
BP344	2	80	
BP346	2	P100	
BP348	2	P120	
BP350	2	P150	
BP352	2	P180	
BP353	2	P240	
BP337	3	24	
BP339	3	36	
BP341	3	50	
BP343	3	60	
BP345	3	80	
BP347	3	P100	
BP349	3	P120	
BP351	3	P150	
BP354	3	P240	

ROLOC™ TSM

Model No.	Size"	Grit	Price /Each
BP326	2	36	
BP328	2	60	
BP332	2	P100	
BP329	3	60	
BP333	3	P100	
BP335	3	P120	

ROLOC™ DISC PADS

Rubber back-up pads are available in different diameters and degrees of hardness for varying grinding applications. Pads are internally threaded to receive any standard 1/4"-20 thread shaft.



Model No.	Size"	Hardness	Max. RPM	Price /Each
BP008	2	Medium	25 000	
BP005	2	Hard	25 000	
BP009	3	Medium	18 000	
BP006	3	Hard	20 000	

ROLOC™ TSM DISC PADS

For use with Roloc™ TSM grinding discs and screw on abrasive discs.



Model No.	Size"	Hardness	Max. RPM	Price /Each
BP517	2	Medium	25 000	
BP516	2	Hard	25 000	
BP518	3	Hard	20 000	

1/4" THREADED SHAFTS

Needed with all Roloc™ disc pads.

Model No.	Size"	Hardness	Price /Each
BP013	1/4 x 1/4	Thread	

ALUMINUM OXIDE 2 PLY DISCS

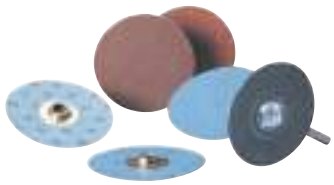
- Best disc for general purpose grinding, deburring and blending on ferrous metals

Features

- Variety of Quick Change fastening systems
- Multiple layers of backing

Benefits

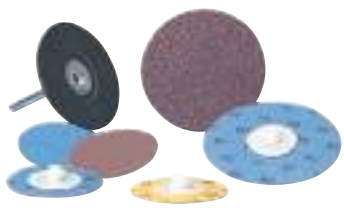
- Instant disc changes
- Disc is centered
- Smooth running
- Works well on flat or contour surfaces
- Aggressive stock removal
- Greater productivity



SOCATT® DISCS

Model No.	Size"	Grit	Price /Each
VU392	2	24	
VU393	2	36	
VU394	2	40	
VU395	2	50	
VU396	2	60	
VU397	2	80	
VU398	2	100	
VU399	2	120	
VU400	2	150	
VU401	2	180	
VU402	2	240	
VU403	2	320	

Model No.	Size"	Grit	Price /Each
VU405	3	36	
VU406	3	40	
VU407	3	50	
VU408	3	60	
VU409	3	80	
VU410	3	100	
VU411	3	120	
VU413	3	180	
VU414	3	240	
VU415	3	320	



LOCKIT® DISCS

Model No.	Size"	Grit	Price /Each
VU429	2	36	
VU430	2	40	
VU431	2	50	
VU432	2	60	
VU433	2	80	
VU434	2	100	
VU435	2	120	
VU436	2	150	
VU437	2	180	
VU438	2	240	
VU439	2	320	

Model No.	Size"	Grit	Price /Each
VU442	3	40	
VU443	3	50	
VU445	3	80	
VU446	3	100	
VU447	3	120	

HOLDER PADS

- With mandrel

Model No.	Dia."	Density	Price /Each
FOR SMALL DIAMETER SOCATT® DISCS			
VU601	2	Soft	
VU602	2	Medium	
VU603	2	Firm	
VU604	3	Soft	
VU605	3	Medium	
VU606	3	Firm	
FOR SMALL DIAMETER LOCKIT® DISCS			
VU611	2	Medium	
VU612	2	Firm	
VU613	3	Soft	
VU614	3	Medium	



PSA & HOOK AND LOOP PAPER DISCS

Typical Applications

- Preparing primed and painted surfaces for finishing
- Stripping primer and paint
- Sanding of plastic and fibreglass
- Light weld blending and deburring
- Bare wood sanding
- Finishing metal of all types

NO-FIL ADALOX A275 DISCS

NORTON

- Premium P-graded, heat-treated aluminum oxide abrasive, superior life fast cut rate, consistent finish
- Unique fibre-reinforced, B-wt latex-saturated backing, 50-60% improvement in tears strength and can be used wet
- Water-based stearate, non-pigmented, No-Fil coating, provides maximum load resistance and extended life; no colour transfer to work
- The PSA adhesive is protected from air-borne contaminants
- Hook and loop are reusable discs that reduce waste



PB273 PAPER DISCS

MERIT

- P-graded aluminum oxide abrasive
- Fast cutting action and extended life with consistent finish
- Flexible latex B-wt backing, with a full resin bond and open coat
- Improved resistance to delamination; no delamination to back-up pad
- Can be used moist or wet
- Water-based stearate, non-pigmented No-Fil coating provides improved load resistance and no color transfer to work



Model No.	Mfg. No.	Size"	Grit	Price /Each
HOOK AND LOOP PAPER DISCS				
NZ005	66261131549	5	P80	
NZ006	66261131548	5	P100	
NZ007	66261131547	5	P120	
NZ008	66261131546	5	P150	
NZ009	66261131545	5	P180	
NZ010	66261131544	5	P220	
NZ011	66261131543	5	P240	
NZ012	66261131542	5	P280	
NZ013	66261131541	5	P320	
NZ014	66261131539	5	P400	
NZ015	66261131538	5	P500	
NZ016	66261131537	5	P600	
NZ017	66261131536	5	P800	
NZ021	6626113566	6	P80	
NZ022	6626113565	6	P100	
NZ023	6626113564	6	P120	
NZ024	6626113563	6	P150	
NZ025	6626113562	6	P180	
NZ026	6626113561	6	P220	
NZ027	6626113560	6	P240	
NZ028	6626113559	6	P280	
NZ029	6626113558	6	P320	
NZ030	6626113556	6	P400	
NZ031	6626113555	6	P500	
NZ032	6626113554	6	P600	
NZ033	6626113553	6	P800	
STICK AND SAND PAPER DISCS				
NS025	66261131464	5	P80	
NS675	66261131463	5	P100	
NS030	66261131462	5	P120	
NS029	66261131461	5	P150	
NS028	66261131460	5	P180	
NS027	66261131459	5	P220	
NS026	66261131458	5	P240	
NS676	66261131457	5	P280	
NS677	66261131456	5	P320	
NS678	66261131454	5	P400	
NS679	66261131453	5	P500	
NS680	66261131452	5	P600	
NS681	66261131451	5	P800	
NS018	66261131481	6	P80	
NS019	66261131480	6	P100	
NS020	66261131479	6	P120	
NS682	66261131478	6	P150	
NS021	66261131477	6	P180	
NS022	66261131476	6	P220	
NS023	66261131475	6	P240	
NS683	66261131474	6	P280	
NS024	66261131473	6	P320	
NZ001	66261131471	6	P400	
NZ002	66261131470	6	P500	
NZ003	66261131469	6	P600	
NZ004	66261131468	6	P800	

Model No.	Mfg. No.	Size"	Grit	Price /Each
HOOK AND LOOP DISCS				
NR896	66623362950	5	P80-B	
NR897	66623365788	5	P100-B	
NR898	66623362949	5	P120-B	
NR899	66623362948	5	P150-B	
NR900	66623362947	5	P180-B	
NR901	66623362946	5	P220-B	
NR902	66623362945	5	P240-B	
NR903	66623362944	5	P320-B	
NR904	66623362943	5	P400-B	
NR906	66623362942	5	P600-B	
NR907	66623362941	5	P800-B	
NR908	66623362960	6	P80-B	
NR909	66623365789	6	P100-B	
NR910	66623362959	6	P120-B	
NR911	66623362958	6	P150-B	
NR912	66623362957	6	P180-B	
NR913	66623362956	6	P220-B	
NR914	66623362955	6	P240-B	
NR915	66623362954	6	P320-B	
NR916	66623362953	6	P400-B	
NR917	66623362952	6	P600-B	
NR918	66623362951	6	P800-B	
PSA DISCS				
NR919	66623362930	5	P80-B	
NR921	66623362929	5	P120-B	
NR922	66623362928	5	P150-B	
NR923	66623362927	5	P180-B	
NR924	66623362926	5	P220-B	
NR925	66623362925	5	P240-B	
NR926	66623362924	5	P320-B	
NR927	66623362923	5	P400-B	
NR928	66623362922	5	P600-B	
NR929	66623362921	5	P800-B	
NR930	66623362940	6	P80-B	
NR931	66623362939	6	P120-B	
NR932	66623362938	6	P150-B	
NR933	66623362937	6	P180-B	
NR934	66623362936	6	P220-B	
NR935	66623362935	6	P240-B	
NR936	66623362934	6	P320-B	
NR937	66623362933	6	P400-B	
NR938	66623362932	6	P600-B	
NR939	66623362931	6	P800-B	

NX PSA WHITE GOLD DISC ROLL

- With paper backing
- Excellent for sanding on whitewood, primer, paint sealers and topcoats
- Primary uses are for woodworking and metalworking
- Clear, non-staining stearate coating resists loading
- 100 discs per roll



Model No.	Mfg. No.	Size"	Grade	Price /Each
BP632	051141-31181	5	80A	
BP631	051141-31182	5	P100	
BP633	051141-31183	5	P120	
BP635	051141-31184	5	P150A	
BP637	051141-31185	5	P180A	
BP639	051141-31186	5	P220A	
BP642	051141-27676	5	P400A	
NX244	051141-31189	6	80	
NX237	051141-31190	6	P100	
NX238	051141-31191	6	P120	
NX239	051141-31192	6	P150	
NX240	051141-31193	6	P180	
NX241	051141-31194	6	P220	
NX242	051141-27675	6	P320	

BACK UP PADS FOR PSA & HOOK AND LOOP PAPER DISCS

- Available with PSA or hook and loop faces, both are shock resistant and have a fibreglass backing plate with a riveted 5/16"-24 threaded shank for added strength and increased heat resistance
- Low profile pads, soft density utilizes 1/2" thick foam for fine finish sanding and offer moderate conformability and medium density has 1/2" thick urethane foam for intermediate and finish sanding



Model No.	Mfg No.	Description	Max RPM	Price /Each
NR940	63642506126	5" PSA Soft Low Profile	15 000	
NR941	63642506131	5" PSA Medium Low Profile	15 000	
NR943	63642506129	5" NorGrip Soft Low Profile	15 000	
NZ049	63642506135	5" NorGrip Medium Low Profile	15 000	
NR945	63642506127	6" PSA Soft Low Profile	15 000	
NR946	63642506133	6" PSA Medium Low Profile	15 000	
NR948	63642506130	6" NorGrip Soft Low Profile	15 000	
NR947	63642506137	6" NorGrip Medium Low Profile	15 000	

236U STIKIT™ DISC ROLLS

- Aluminum oxide C-wt paper
- Strong paper backing provides durability and increase cut rate
- Open coat minimizes loading
- Discs for paint, primer, wood, metal, plastic and fibreglass
- 100 discs per roll, no holes



Model No.	Mfg. No.	Size"	Grade	Price /Each
NX291	AB86488	5	P80	
NX282	AB86489	5	P100	
NX283	AB88700	5	P120	
NX284	AB86490	5	P150	
NX285	AB86492	5	P180	
NX286	AB86493	5	P220	
NX287	AB86494	5	P240	
NX289	AB86496	5	P400	
NX290	AB86497	5	P500	
NX301	AB86468	6	P80	
NX292	AB86469	6	P100	
NX293	AB86470	6	P120	
NX294	AB86471	6	P150	
NX295	AB86472	6	P180	
NX296	AB86473	6	P220	
NX297	AB86474	6	P240	
NX298	AB86475	6	P320	
NX299	AB86476	6	P400	
NX300	AB86477	6	P500	

STIKIT™ DISC PADS

- Provides excellent disc adhesion yet allows quick, easy removal
- Has medium density foam and a 45° tapered edge for flexibility
- Lightweight and shock-resistant with blue vinyl face
- Use with dual action and random orbital sanders; maximum RPM of 10 000



Model No.	Dimensions	For use with	Price /Each
BP215	5" x 3/4" x 5/16"-24 Ext	5" Stikit™ Discs	
BP216	6" x 3/4" x 5/16"-24 Ext	6" Stikit™ Discs	

LARGE DIAMETER CLOTH PSA DISCS

Typical Applications

- Used on stationary disc machines
- For dimensioning
- For finishing metal workpieces
- Pressure sensitive adhesive offers fast, convenient mounting
- Made without centre holes for full-face usage

NORZON PLUS R821P DISCS

- Self-sharpening, zirconia alumina abrasive, offers cooler cut and extended life
- Heavy Y-wt backing, is durable, reduced edge wear
- Ideal for grinding and deburring stainless steel



Model No.	Mfg. No.	Size"	Grit	Price /Each
NZ057	66261138318	12	24	
NZ058	66261138319	12	36	
NZ059	66261138320	12	40	
NZ060	66261138321	12	50	
NZ061	66261138322	12	60	
NZ062	66261138323	12	80	

METALITE R228 DISCS

- Premium aluminum oxide abrasive
- Long life
- Heavy, X-wt cotton backing
- Durable
- Ideal for aggressive stock removal applications
- Resistant to heat



Model No.	Mfg. No.	Size"	Grit	Price /Each
NZ077	66261136635	12	36	
NZ078	66261136630	12	40	
NZ079	66261136625	12	50	
NZ080	66261136620	12	60	
NZ081	66261136615	12	80	
NZ082	66261136614	12	100	
NZ083	66261136613	12	120	

FILE BELTS

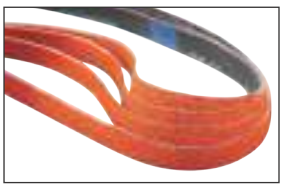
Typical Applications

- Light weld removal and blending
- Shape and contour sanding
- Surface preparation prior to coating and plating
- Removing cutting tool marks from moulds and dies
- General clean-up and finishing



NORTON SG BLAZE R980P BELTS

- SG ceramic abrasive grain lasts 50% to 200% longer on mild and carbon steel, stainless, cobalt, chrome, inconel and titanium
- Cuts 20% faster than the current generation of grinding belts, longer belt life, better metal integrity
- Improved Y-wt polyester waterproof cloth backing, significantly improved belt life due to better grain adhesion
- Improved resin bond system, improved grain-retention, cooler cutting during the life of the belt



NORTON

Model No.	Mfg. No.	Size W"	x	L"	Grit	Price /Each
NR091	69957398018	1/2	x	12	40	
NR092	69957698019	1/2	x	12	60	
NR093	69957398020	1/2	x	12	80	
NR094	69957398021	1/2	x	18	40	
NR095	69957398022	1/2	x	18	60	
NR096	69957398023	1/2	x	18	80	
NR097	69957398024	1/2	x	24	40	
NR098	69957398025	1/2	x	24	60	
NR099	69957398026	1/2	x	24	80	
NR100	69957398027	3/4	x	18	40	
NR101	69957398028	3/4	x	18	60	
NR102	69957398029	3/4	x	18	80	

METALITE R228 BELTS

- Aluminum oxide abrasive
- Aggressive cutting; resistant to heat
- Strong X-wt rayon backing
- For metal and wood

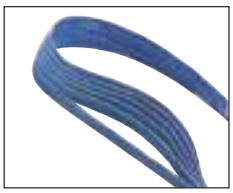


NORTON

Model No.	Mfg. No.	Size W"	x	L"	Grit	Price /Each
NZ410	78072727557	1/2	x	12	40	
NZ411	78072727555	1/2	x	12	60	
NZ412	78072727554	1/2	x	12	80	
NZ414	78072727552	1/2	x	12	120	
NZ415	78072727561	1/2	x	18	40	
NZ416	78072727560	1/2	x	18	60	
NZ417	78072727559	1/2	x	18	80	
NZ418	78072727558	1/2	x	18	120	
NZ419	78072727568	1/2	x	24	40	
NZ421	78072727566	1/2	x	24	60	
NZ422	78072727565	1/2	x	24	80	
NZ423	78072727564	1/2	x	24	120	
NZ429	78072727579	1	x	30	80	
NZ430	78072727577	1	x	30	120	

NORZON PLUS R823P BELTS

- Premium, self-sharpening zirconia alumina abrasive
- Aggressive, rapid cut rate, strong grain adhesion, longer life
- Waterproof for use on a broad range of materials
- Strong X-wt polyester backing, for moderate to heavy pressure applications
- Ideal on stainless steel



NORTON

Model No.	Mfg. No.	Size W"	x	L"	Grit	Price /Each
NZ178	78072728745	1/2	x	12	60	
NZ179	78072728744	1/2	x	12	80	
NZ180	78072728742	1/2	x	12	120	
NZ181	78072728569	1/2	x	18	60	
NZ182	78072728568	1/2	x	18	80	
NZ183	78072728567	1/2	x	18	120	
NZ184	78072728564	1/2	x	24	60	
NZ185	78072728566	1/2	x	24	80	
NZ187	78072728565	1/2	x	24	120	
NZ188	78072709590	3/4	x	18	60	
NZ189	78072758953	3/4	x	18	80	
NZ194	78072728583	1	x	30	60	
NZ195	78072728582	1	x	30	80	

PORTABLE BELTS

Typical Applications

- Grinding and finishing of all metals
- Blending of welds
- Sanding and finishing of wood
- Glass seaming and polishing



METALITE R228 BELTS

- Aluminum oxide abrasive
- Aggressive cutting; resistant to heat
- Strong X-wt cotton backing
- For metal and wood



NORTON

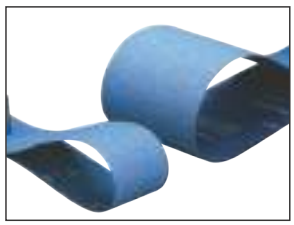
Model No.	Mfg. No.	Size W"	x	L"	Grit	Price /Each
NZ283	78072727927	3	x	21	40	
NZ284	78072727926	3	x	21	50	
NZ285	78072727925	3	x	21	60	
NZ286	78072727924	3	x	21	80	
NZ287	78072727923	3	x	21	100	
NZ288	78072727922	3	x	21	120	
NZ289	78072781847	3	x	24	36	
NZ290	78072727937	3	x	24	40	
NZ291	78072727936	3	x	24	50	
NZ292	78072727935	3	x	24	60	
NZ293	78072727934	3	x	24	80	
NZ294	78072727933	3	x	24	100	
NZ295	78072727932	3	x	24	120	
NZ302	78072780438	4	x	24	36	
NZ303	78072727947	4	x	24	40	
NZ304	78072727946	4	x	24	50	
NZ305	78072727945	4	x	24	60	
NZ306	78072727944	4	x	24	80	
NZ307	78072727943	4	x	24	100	
NZ308	78072727942	4	x	24	120	

STATIONARY BELTS

Typical Applications
- Benchstand and backstand belts
- Grinding and deburring of all metals
- Heavy stock removal
- Blending, dimensioning and shaping
- Polishing

NORZON PLUS R823P BELTS

- Premium self-sharpening zirconia alumina abrasive, aggressive, rapid cut rate
- Strong X-wt polyester backing; waterproof, greater flexibility, ideal for heavy pressure applications

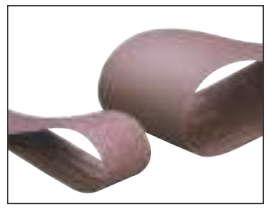


NORTON

Model No.	Mfg. No.	Size W"	x	L"	Grit	Price /Each
NZ196	78072728596	1	x	42	60	
NZ197	78072728594	1	x	42	80	
NZ198	78072728592	1	x	42	100	
NZ199	78072728590	1	x	42	120	
NZ200	78072728586	1	x	42	180	
NZ215	78072728827	4	x	36	60	
NZ216	78072728825	4	x	36	80	
NZ217	78072728821	4	x	36	120	
NZ218	78072728937	6	x	48	60	
NZ219	78072728935	6	x	48	80	
NZ220	78072728933	6	x	48	100	
NZ221	78072728931	6	x	48	120	

METALITE R228 BELTS

- Aluminum oxide abrasive
- For a wide range of metalworking applications
- Strong X-wt cotton backing, aggressive cutting/resistant to heat



NORTON

Model No.	Mfg. No.	Size W"	x	L"	Grit	Price /Each
NZ309	78072720910	1	x	42	40	
NZ310	78072720905	1	x	42	50	
NZ311	78072720900	1	x	42	60	
NZ312	78072720895	1	x	42	80	
NZ313	78072720890	1	x	42	100	
NZ314	78072720885	1	x	42	120	
NZ315	78072720880	1	x	42	150	
NZ316	78072720875	1	x	42	180	
NZ317	78072720871	1	x	42	220	
NZ318	78072720870	1	x	42	240	
NZ319	78072720865	1	x	42	320	
NZ354	78072722110	4	x	36	36	
NZ355	78072722105	4	x	36	40	
NZ356	78072722100	4	x	36	50	
NZ357	78072722095	4	x	36	60	
NZ358	78072722090	4	x	36	80	
NZ359	78072722085	4	x	36	100	
NZ360	78072722080	4	x	36	120	
NZ361	78072722079	4	x	36	150	
NZ362	78072722075	4	x	36	180	
NZ363	78072722071	4	x	36	320	
NZ371	78072722590	6	x	48	36	
NZ372	78072722585	6	x	48	40	
NZ373	78072722580	6	x	48	50	
NZ374	78072722575	6	x	48	60	
NZ375	78072722570	6	x	48	80	
NZ376	78072722565	6	x	48	100	
NZ377	78072722560	6	x	48	120	
NZ378	78072722555	6	x	48	150	
NZ379	78072722550	6	x	48	180	
NZ380	78072722546	6	x	48	220	
NZ381	78072722545	6	x	48	240	
NZ382	78072722543	6	x	48	320	

SPIRAL BANDS

Typical Applications
- Deburring
- Polishing
- Surface preparation

Features & benefits
- Spiral construction avoids shadow marks and provides smooth cutting action
- Achieve close tolerances when finishing curved or contoured areas

SPIRAL BANDS

- Aluminum oxide resin bond



NORTON

Model No.	Mfg. No.	Size"			Grit	Price /Each
BZ251	08834196068	1/2	x	1/2	60	
BZ288	08834196179	1/2	x	1/2	80	
BZ252	08834196069	1/2	x	1/2	120	
BZ307	08834196212	1/2	x	1	60	
BZ309	08834196215	1/2	x	1	80	
BZ305	08834196210	1/2	x	1	120	
BZ401	08834196554	3/4	x	1	60	
BZ328	08834196249	3/4	x	1	80	
BZ244	08834196057	3/4	x	1	120	
BZ257	08834196074	1	x	1	80	
BZ278	08834196167	1	x	1	100	
BZ286	08834196177	1	x	1	120	
BZ247	08834196060	1	x	1 1/2	60	
BZ274	08834196162	1	x	1 1/2	80	
BZ443	08834196677	1	x	1 1/2	120	
BZ289	08834196181	2	x	2	80	
BZ298	08834196193	2	x	2	100	
BZ412	08834196585	2	x	2	120	
BZ296	08834196188	3	x	3	60	
BZ272	08834196159	3	x	3	80	
BZ407	08834196572	3	x	3	120	

CARTRIDGE ROLLS

MERIT

Typical Applications
- Flash removal
- Polishing
- Removing machine tool marks and edge breaking

Features & benefits
- Can reach into corners where larger diameter tools cannot

CARTRIDGE ROLLS TEST KIT CR

- Includes 120 of the most popular sizes, grit and shape with their appropriate mandrels

Model No. BS529
Price/Each $



SHOP CLOTH ROLLS

Typical Applications

- Polishing lathe turnings, rolls and cylinders
- Light deburring
- Blending machine tool marks
- Removing rust and scale
- Fine sanding and polishing

METALITE K225 CLOTH SHOP ROLLS

- For general purpose metalworking applications
- Premium P-graded aluminum oxide abrasive produces greater cut rate
- Flexible J-wt cotton backing offers superior conformability to complex surfaces and better finishes
- Advanced full resin bond system offers exceptional grain adhesion for longer life



NORTON

Model No.	Mfg. No.	Grit	Price /Each
1" X 50 YARD			
NS204	66261058716	40	
NS205	66261127728	50	
NS206	66261127729	60	
NS212	66261126276	80	
NS213	66261126275	100	
NS214	66261126274	120	
NS215	66261126273	150	
NZ846	66261126270	240	
NZ847	66261126268	320	
NZ887	66261126267	400	
1 1/2" X 50 YARD			
NZ888	66261058715	40	
NZ890	66261127731	60	
NZ891	66261126288	80	
NZ892	66261126287	100	
NZ893	66261126286	120	

Model No.	Mfg. No.	Grit	Price /Each
1 1/2" X 50 YARD			
NZ894	66261126285	150	
NZ951	66261126284	180	
NZ953	66261126282	240	
NZ955	66261126280	320	
NZ957	66261126279	400	
2" X 50 YARD			
NZ959	66261058714	40	
NZ995	66261127732	50	
NZ996	66261127733	60	
NS048	66261126299	80	
NZ997	66261126298	100	
NS049	66261126297	120	
NS050	66261126296	150	
NS051	66261126295	180	
NZ998	66261126293	240	
NZ999	66261126291	320	
NR001	66261126290	400	

314D PROFESSIONAL CLOTH SHEETS

- Cleaning metal prior to soldering or welding
- Repairing and blending metal finishes and removing stamping marks
- Fine sanding and polishing
- Removing rust, scale and other contaminants
- Hand or machine deburring



3M

9" X 11" SHEETS

Model No.	Mfg. No.	Grit	Price /Each
BP672	60333	50X	
BP673	60334	60X	
BP671	60342	80J	
BP664	60343	100J	
BP665	60344	120J	
BP666	60345	150J	
BP667	60346	180J	
BP668	60347	220J	
BP669	60348	240J	
BP670	60349	280J	

ROLLS

Model No.	Mfg. No.	Grit	Price /Each
1" X 50 YARD			
BP660	60326	50X	
BP662	60325	60X	
BP657	60686	80J	
BP643	60687	100J	
BP645	60688	120J	
BP647	60689	150J	
BP649	60690	180J	
BP651	60691	220J	
BP653	60692	240J	
BP655	60693	280J	

ROLLS

Model No.	Mfg. No.	Grit	Price /Each
1 1/2" X 50 YARD ROLLS			
BP624	60327	50X	
BP625	60328	60X	
BP623	60697	80J	
BP616	60698	100J	
BP617	60699	120J	
BP618	60700	150J	
BP619	60701	180J	
BP620	60702	220J	
BP621	60703	240J	
BP622	60704	280J	
2" X 50 YARD ROLLS			
BP659	60329	40X	
BP661	60330	50X	
BP663	60331	60X	
BP658	60708	80J	
BP644	60709	100J	
BP646	60710	120J	
BP648	60711	150J	
BP650	60712	180J	
BP652	60713	220J	
BP654	60714	240J	
BP656	60715	280J	



SANDPAPER, CLOTH SHEETS

Typical Applications

- Scouring and light deburring
- Scale and rust removal
- Blending machine tool marks
- Fine sanding and polishing

METALITE K225 9" X 11" SHEETS

- Premium P-graded aluminum oxide abrasive
- Advanced full resin bond system offers exceptional grain adhesion for longer life
- Flexible J-wt cotton backing, for superior conformability to complex surfaces and better finishes

NORTON



Model No.	Mfg. No.	Grit	Price /Each
NR103	66261058713	40	
NR104	66261101862	50	
NR105	66261101861	60	
NZ455	66261126340	80	
NZ456	66261126339	100	
NZ457	66261126338	120	
NZ458	66261126337	150	
NZ459	66261126336	180	
NZ460	66261126335	220	
NZ461	66261126334	240	
NZ462	66261126333	280	
NZ463	66261126332	320	
NZ464	66261126331	400	
NZ465	66261126330	600	

SANDPAPER, PAPER SHEETS

Typical Applications

- Light duty, metal sanding
- Primer sanding, defect removal from painted surfaces
- Filler sanding
- Sanding and finishing of composites and fibreglass
- Bare wood sanding
- Sanding between sealer coats

NO-FIL ADALOX A275 9" X 11" SHEETS

- Premium P-graded, heat-treated aluminum oxide abrasive
- Unique fibre-reinforced, B-wt latex-saturated backing, can be used wet
- Water-based serrated, non- pigmented, No-Fil coating, provides maximum load resistance and extended life; no colour transfer to work

NORTON

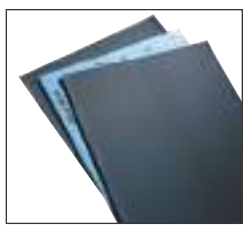


Model No.	Mfg. No.	Grit	Price /Each
NZ431	66261131634	80	
NZ432	66261131633	100	
NZ433	66261131632	120	
NZ434	66261131631	150	
NZ435	66261131630	180	
NZ436	66261131629	220	
NZ437	66261131628	240	
NZ438	66261131627	280	
NZ439	66261131626	320	
NZ440	66261131624	400	
NZ441	66261131623	500	
NZ442	66261131622	600	
NZ443	66261131621	800	

BLUE-BAK T414 WATERPROOF 9" X 11" SHEETS

- Sharp silicon carbide abrasive, exceptional finishes in wet applications
- Strong resin bond, longer life in wet applications
- High strength B-wt waterproof paper backing, extremely flexible
- Environmentally stable; resists humidity-caused curling

NORTON



Model No.	Mfg. No.	Grit	Price /Each
NZ447	66261139367	220	
NZ448	66261139366	240	
NZ449	66261139365	280	
NZ450	66261139364	320	
NZ451	66261139363	360	
NZ452	66261139362	400	
NZ453	66261139361	500	
NZ454	66261139360	600	

NO-FILL DURITE A475 9" X 11" SHEETS

- P-graded silicone carbide abrasive offers easy penetration of the hardest surfaces
- Water-based stearate, non-pigmented, no-fill coating resists loading for longer usable product life, no color transfer to work
- Fibre-reinforced latex paper backing provides flexibility and resistance to tearing
- Ideal choice for gel coats, hard composite substrates, abrasion-resistant coatings and woodworking application

NORTON



Model No.	Mfg. No.	Grit	Price /Each
NR856	66254487393	P80-B	
NR857	66254487394	P100-B	
NR858	66254487395	P120-B	
NR859	66254487396	P150-B	
NR860	66254487397	P180-B	
NR861	66254487398	P220-B	
NR862	66254487399	P240-B	
NR863	66254487400	P320-B	

GARNET A511 9" X 11" SHEETS

- Natural garnet grain
- Excellent for soft woods, consistent finishes, A-weight paper
- Designed for heavy-duty to light-duty hand and machine sanding

NORTON



Model No.	Mfg. No.	Grit	Price /Each
NR114	66261101505	80	
NR115	66261101500	100	
NR116	66261101495	120	
NR117	66261101490	150	
NR118	66261101489	180	
NR119	66261101488	220	

GARNET ABRASIVE PAPER

140N - (D weight paper)
- Open coat for non-loading
- Choice of cabinet makers and woodworkers

110N - (A weight paper)
- Open coat for non-loading
- Traditional choice for woodworkers for producing fine finishes



Model No.	Size"	Grit	Price /Each
140N			
BP539	9 x 11	50	
BP540	9 x 11	60	
BP541	9 x 11	80	
110N			
BP531	9 x 11	100	
BP532	9 x 11	120	
BP533	9 x 11	150	
BP534	9 x 11	180	
BP535	9 x 11	220	

TRI-M-ITE FRE-CUT ABRASIVE PAPER

415U/415N (A weight paper - open coat)
- Silicon carbide mineral cuts fast and smooth
- Ideal for sanding between coats of varnish, paint and other finishes
- Especially suited to wood and sealer sanding



Model No.	Size"	Grit	Price /Each
BP548	9 x 11	100	
BP549	9 x 11	120	
BP550	9 x 11	150	
BP552	9 x 11	180	
BP554	9 x 11	220	
BP555	9 x 11	240	
BP556	9 x 11	280	
BP557	9 x 11	320	

WETORDRY™ ABRASIVE PAPER

- Reduces clogging, eliminates dust, extends abrasive life and improves finish

431Q - (Silicon carbide - C weight paper)
- Heavyweight paper backing for increased durability

413Q - (Silicon carbide - A weight paper)
- Excellent conformability



Model No.	Size"	Grit	Price /Each
431Q			
BP572	9 x 11	80	
BP565	9 x 11	100	
BP566	9 x 11	120	
BP567	9 x 11	150	
BP568	9 x 11	180	
413Q			
BP559	9 x 11	220	
BP560	9 x 11	240	
BP561	9 x 11	280	
BP562	9 x 11	320	
BP564	9 x 11	400	



HAND PADS

Typical Applications
- Light to heavy duty cleaning
- Deburring
- Blending
- Polishing
- Finishing

Features & benefits
- Made of a nonwoven nylon web impregnated with abrasive grain and resin
- A variety of abrasives, grit sizes and backing materials provides an extensive and superior product offering
- Can be used instead of steel wool
- Non-loading, non-rusting, waterproof and solvent resistant

SCOTCH-BRITE™ HAND PADS

- Excellent products for hand finishing, polishing, cleaning, blending, deburring of wood, metals and composites
- Ideal for wood finishing, paint preparation and general cleaning
- 6" x 9" sheets
- Can be used dry or with water or solvents



Model No.	Type of Pad	Colour	Finish	Price /Each
BP486	Heavy-duty	Tan	Coarse	
BP482	Blending	Grey	Medium	
BP484	General purpose	Maroon	Very Fine	
BP492	Ultra fine	Light Grey	Ultra fine	
BP488	Cleaning	White	Cleaning	
NC871	General purpose #96	Green	Scouring	

SCOTCH-BRITE™ SHEET ROLLS

- Tough, highly flexible, sharp cutting abrasive
- High flexibility makes for easy cleaning and finishing surfaces by hand
- 8" x 4" sheets come packaged in rolls of 60 sheets
- Purple colour sheets provide a Very Fine finish, and grey sheets provide an Ultra Fine finish

Model No. BP001
Very Fine Roll
Price/Each $

Model No. BP002
Ultra Fine Roll
Price/Each $



SCOTCH-BRITE™ PRODUCTION HAND PADS

- Higher rate of cut, longer life and better finish
- Use on aluminum, stainless steel, plastics, wood and fibreglass
- Ideal for paint preparations, surface blending and scuffing
- Comes in 6" x 9" pads which tear easily into 4 1/2" x 6" sheets

Model No. BP490
Price/Each $



SANDING SPONGES

- Sponges form perfectly to corners, contours and flat surfaces
- Can be used on all surfaces, from wood, metal and plastic, to coated or painted surfaces
- Sponges are all 4 1/2" x 5 1/2" in size and have a soft sponge in the centre



Model No.	Grit	Qty /Pkg	Price /Each
BP629	Medium	200	
BP628	Fine	200	
BP630	Super Fine	200	

HAND PAD HOLDERS

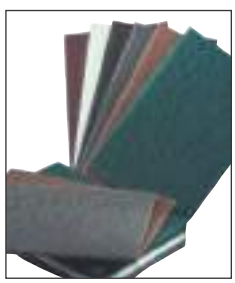
- Used with Scotch-Brite™ hand pads and roll material cut to 4" x 6" size

Model No. BP500
Price/Each $



BEAR-TEX HAND PADS

- Flexible, gentle action and resilient construction
- Conform to work surface and easily remove flashing or burrs without affecting dimension of work piece
- Non-loading, non-rusting, constant supply of new cutting edges, no workpiece contamination



Model No.	Colour	Description	Abrasive	Grit	Qty /Pkg.	Price /Each
NZ811	White	Light-Duty Cleaning Pad	Non-Abrasive	-	60	
NZ812	Grey	Clean and Finish Pad	Silicon Carbide	Ultra Fine	60	
NZ813	Light Green	Food Pro Pad	Aluminum Oxide	Very Fine	60	
NS046	Dark Tan	Heavy-Duty Pad	Aluminum Oxide	Medium	40	
NZ814	Grey	Metal Blend Pad	Silicon Carbide	Medium	40	
NS045	Maroon	General Purpose Pad	Aluminum Oxide	Very Fine	60	
NZ815	Grey	Final Shine Pad	Silicon Carbide	Micro Fine	60	
NZ816	Maroon	Long Life Pad	Aluminum Oxide	Very Fine	60	
NZ817	Green	Scouring Pad	Aluminum Oxide	Very Fine	60	
NZ818	Maroon	General Purpose Perforated Pad	Aluminum Oxide	Very Fine	60	
NZ819	Grey	General Purpose Pad	Silicon Carbide	Very Fine	40	
NZ820	-	Hand Pad Holder	-	-	10	

AURORA HAND PADS

- Non-woven, synthetic fibres, bonded together with specially formulated resins and impregnated throughout the web with mineral grain creating an open, three dimensional structure
- Designed for light duty cleaning, polishing, scuffing, finishing and for heavy duty paint, rust and corrosion removal
- Can be used for dry scuffing and finishing or may be used with water or chemical solvents
- Flexible and strong
- 6" x 9"



Model No.	Description	Finish	Qty /Pkg	Price /Each
NU022	Tan heavy duty	Coarse	10	
NU023	Green industrial	Scouring	20	
NU024	Maroon GP	Medium	20	
NU025	Grey ultra fine	Ultra-fine	20	
NU026	White non-abrasive	Non-abrasive	20	

ROLLS

Typical Applications
- Light deburring
- Cleaning
- Finishing
- Applying decorative finishes

Features & benefits
- Rolls may be cut for use in jitterbug sanding or on hand sanding applications
- Rolls have the durability for indexing machine applications

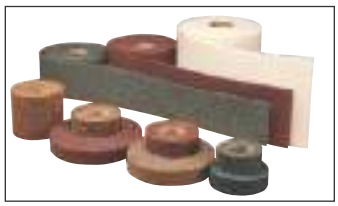
CLEAN & STRIP

Typical Applications
- Removal of paint and epoxy coating, surface rust and residue, corrosion, light weld splatter, dirt, mill scale and other similar surface contaminants
- Surface prep before coatings are applied
- Surface prep before welding; cleaning and conditioning afterwards
- Applying fine finishes

Features & benefits
- A web of strong synthetic fibres and quality abrasive, bonded together by a smear-resistant adhesive for cleaning, conditioning, and finishing a multitude of materials, quickly and easily with little loading

SCOTCH-BRITE™ CLEAN & FINISH ROLLS

- Used for final hand cleaning, blending and finishing
- Can be cut to desired length for oscillating sanders



Model No.	Mfg. No.	Size	Colour	Finish	Price /Each
BP604	00264	4" x 30'	Maroon	Medium	
BP612	00274	6" x 30'	Maroon	Medium	
BP603	00265	4" x 30'	Maroon	Fine	
BP611	00275	6" x 30'	Maroon	Fine	
BP605	00266	4" x 30'	Maroon	Very fine	
BP609	00270	4" x 30'	Grey	Very fine	
BP613	00276	6" x 30'	Maroon	Very fine	
BP608	69006	4" x 30'	Grey	Ultra fine	
BP607	69009	4" x 30'	Grey	Super fine	
BP606	69010	4" x 30'	White	Cleaning	

MINI-MANDRELS

- Use with 1" x 1 1/2" Scotch-Brite™ material to fit tight areas
- Mandrel is 2 7/8" long with a 1/4" shank

Model No. BP504
Price/Each $



CUT 'N POLISH ROLLS

- Outlast and outperform emery cloth and utility rolls around angles, corners, odd shapes, and inside/outside diameters
- Used for general cleaning, deburring odd shapes and stropping pipe prior to soldering or welding
- Tan colour and medium finish

Model No. BP614 1" x 30' Roll
Price/Each $
Model No. BP615 2" x 30' Roll
Price/Each $



BEAR-TEX FAST CUT ROLLS

- Premium aluminum oxide grain provides clean cutting and long lasting
- Fast initial cut, less pressure needed
- Improved base adhesion, improved cut rate



Model No.	Colour	Grit	Size	Price /Each
NZ821	Tan	Medium	4" x 30'	
NZ822	Maroon	Very Fine	4" x 30'	
NZ823	Grey	Very Fine	4" x 30'	

BEAR-TEX

Rapid strip discs and depressed center wheels
- Open web constructions provides fast cutting action with very little loading
- Follow difficult part profiles, easy cleaning of uneven surfaces
- Thick, strong, synthetic fibres and extra coarse grit
- Quick cleaning and conditioning of surfaces
- Silicon carbide abrasive, extra coarse
- Ideal for surface preparation, conditioning and cleaning, removal of rust, paint, weld spatter, etc.



Model No.	Size"	Max RPM	Qty /Pkg.	Price /Each
TYPE 1 - BEAR-TEX RAPID STRIP WHEELS				
NZ842	4 x 1/4	8000	25	
NZ843	4 x 1/2	8000	25	
NZ844	6 x 1/2	5500	15	
TYPE 27 - BEAR-TEX RAPID STRIP CLEANING DISCS				
NS047	4 1/2 x 7/8	11 000	10	
NS136	7 x 7/8	8000	10	

SCOTCH-BRITE™ CLEAN & STRIP DISCS (SILICON CARBIDE - EXTRA COARSE)

- Tough open web ideal for weld cleaning, paint and coatings removal
- Faster and safer than wire brushes



Model No.	Dia."	Max. RPM	Price /Each
BP252	4 x 1/2	6000	
BP254	6 x 1/2	4000	
BP255	8 x 1/2	3000	

MANDRELS

- Furnished complete with washers to fit available disc sizes



Model No.	Mfg. No.	Size"	Price /Each
BP502	933	2	
BP503	934	3 1/16	

SURFACE BLENDING

Typical Applications
- Removing surface defects
- Removing light edge burrs, parting lines or flashing
- Removing rust, oxides, corrosion, paints and scale
- Cleaning molds
- Blending mill marks, tool marks, uneven edges and coated abrasive finish

Features & benefits
- Discs and belts perform well under a wide range of applications: from removing engine gaskets, and deburring of aluminum and steel, to finishing nickel alloy turbine blades

SCOTCH-BRITE™ COATING REMOVAL DISCS

Made for right angle tools from aggressive clean and strip web. Non-loading design ideal for removing rust and coatings.
- Hook and loop backing easily attaches to 3M disc pad holder
- Silicon carbide - extra coarse



Model No.	Dia."	Grit	Max. RPM	Price /Each
BP272	4 1/2	Extra coarse	12 000	
BP274	5	Extra coarse	10 000	
BP275	7	Extra coarse	6000	

HOOK & LOOP SCOTCH-BRITE™ SURFACE CONDITIONING DISCS

Scotch-Brite™ surface conditioning discs are best for finishing, cleaning and light deburring on flat metal surfaces. Attach and remove easily to 3M hook & loop back up pads.

Used with the following hand tools:
- Right angle
- Random orbital
- Dual action



Model No.	Dia."	Grit	Colour	Max. RPM	Price /Each
BP357	2	Coarse	Brown	23 000	
BP359	2	Medium	Maroon	23 000	
BP363	3	Coarse	Brown	20 000	
BP365	3	Medium	Maroon	20 000	
BP367	3	Very Fine	Blue	20 000	
BP376	4	Coarse	Brown	13 000	
BP380	4	Very Fine	Blue	13 000	
BP369	4 1/2	Coarse	Brown	13 000	
BP371	4 1/2	Medium	Maroon	13 000	
BP381	5	Coarse	Brown	10 000	
BP383	5	Medium	Maroon	10 000	
BP386	5	Very Fine	Blue	10 000	
BP388	7	Coarse	Brown	6000	
BP390	7	Medium	Maroon	6000	
BP392	7	Very Fine	Blue	6000	

HOOK & LOOP DISC PAD HOLDERS

For use with 3M Scotch-Brite™ surface conditioning and coating removal discs.

Model No.	Size"	Shank	Max. RPM	Price /Each
SHANK MOUNTED DISC PAD HOLDERS				
BP207	2	1/4"	23 000	
BP208	3	1/4"	20 000	
BP209	4	1/4"	13 000	
BP206	5	5/16"-24	10 000	
HUB MOUNTED DISC PAD HOLDERS				
BP199	4	5/8"-11	13 000	
BP201	4 1/2	5/8"-11	13 000	
BP202	5	5/8"-11	10 000	
BP204	7	5/8"-11	6000	



BP206



BP199

SCOTCH-BRITE™ DISCS

Premium Scotch-Brite™ surface conditioning non-woven web provides a burr-free decorative finish.

Removes grind marks, rust and coatings.



Model No.	Dia."	Grit	Colour	Price /Each
ROLOC™				
BP396	2	Coarse	Brown	
BP397	2	Medium	Maroon	
BP398	2	Very Fine	Blue	
BP400	3	Coarse	Brown	
BP401	3	Medium	Maroon	
BP403	3	Very Fine	Blue	
ROLOC™ TSM				
BP404	2	Coarse	Brown	
BP405	2	Medium	Maroon	
BP406	2	Very Fine	Blue	
BP407	3	Coarse	Brown	
BP408	3	Medium	Maroon	
BP409	3	Very Fine	Blue	

ROLOC™ DISC PADS

Rubber back-up pads are available in different diameters and degrees of hardness for varying grinding applications. Pads are internally threaded to receive any standard 1/4"-20 thread shaft.



Model No.	Size"	Max. RPM	Hardness	Price /Each
BP008	2	25 000	Medium	
BP005	2	25 000	Hard	
BP009	3	18 000	Medium	
BP006	3	20 000	Hard	

ROLOC™ TSM DISC PADS

For use with Roloc™ TSM grinding discs and screw on abrasive discs.



Model No.	Size"	Max. RPM	Hardness	Price /Each
BP517	2	25 000	Medium	
BP516	2	25 000	Hard	
BP518	3	20 000	Hard	

1/4" THREADED SHAFTS

- Needed with all Roloc™ disc pads

Model No. BP013 Price/Each $

BUFF & BLEND® PRODUCTS

These products are made from an open structure of non-woven fibres impregnated with abrasive particles held together by resin to form a loose webbing. Buff & Blend® products are designed for light duty removal of rust, oxidation and coatings (including paint), without affecting the base material. They are not intended for use on sharp edges or burrs.



GP MATERIAL

- Flexible and conformable
- GP provides a high rate of cut

SOCATT® DISCS

Model No.	Size"	Grit	Price /Each
VU676	2	Medium	
VU677	2	Fine	
VU678	2	Very Fine	
VU679	3	Medium	
VU680	3	Fine	
VU681	3	Very Fine	

LOCKIT® DISCS

Model No.	Size"	Grit	Price /Each
VU685	2	Medium	
VU686	2	Fine	
VU687	2	Very Fine	

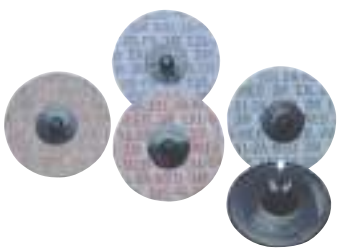
HP MATERIAL

- Durable and aggressive
- Recommended starting point for deburring applications

Model No.	Size"	Grit	Price /Each
VU697	6 x 1/2	Very Fine	
VU705	8 x 1/2	Very Fine	

SCOTCH-BRITE EXL™ ROLOC™ UNITIZED WHEELS

- Strong, efficient products for edge deburring and finishing
- Used with 3M Roloc+ holder pads on a straight shaft or right angle tool



Model No.	Grit	Finish	Size"	Max. RPM	Price /Each
NW069	6A	Medium	2	22 100	
NW070	2A	Medium	2	22 100	
NW071	2S	Fine	2	22 100	
NW072	6A	Medium	3	15 100	
NW073	2A	Medium	3	15 100	
NW074	2S	Fine	3	15 100	

SURFACE CONDITIONING DISCS

These products provide a more compact structure of non-woven fibres than Buff & Blend® products. Surface conditioning products have a woven fabric (Scrim) imbedded in the nylon structure to provide additional strength and durability for edge work, deburring and efficient blending of all metal types.

FE MATERIAL

- High initial and extended rate of cut
- Very flexible with high edge durability
- Effective on both flat and contoured surfaces





SOCATT® DISCS

Model No.	Size"	Grit	Price /Each
NP136	2	Coarse	
NW105	2	Medium	
NP137	2	Very Fine	
NW104	3	Coarse	
NP131	3	Medium	
NP132	3	Very Fine	

LOCKIT® DISCS

Model No.	Size"	Grit	Price /Each
NP138	2	Coarse	
NP139	2	Medium	
NP140	2	Very Fine	
NP133	3	Coarse	
NP134	3	Medium	
NP135	3	Very Fine	

HOLDER PADS

- With mandrel



FOR SMALL DIAMETER SOCATT® DISCS

Model No.	Dia."	Density	Price /Each
VU601	2	Soft	
VU602	2	Medium	
VU603	2	Firm	
VU604	3	Soft	
VU605	3	Medium	
VU606	3	Firm	

FOR SMALL DIAMETER LOCKIT® DISCS

Model No.	Dia."	Density	Price /Each
VU611	2	Medium	
VU612	2	Firm	
VU613	3	Soft	
VU614	3	Medium	



SCOTCH-BRITE™ SURFACE CONDITIONING FILE BELTS

Premium Scotch-Brite™ surface conditioning non-woven web.

Designed for:
- Cleaning
- Finishing
- Light deburring



Recommended Operating Speeds:
Generally, low speeds are recommended for generating very uniform satin finishes, finishing aluminum alloys without lubricants, and woodworking applications. Higher speeds are recommended when removing imperfections prior to buffing. High belt speed will result in faster cut along with finer finishes.

Application	Recommended SFPM*
Decorative finishing	500-3000
Wood sanding	1200-2700
Deburring	5000-6500

Application	Recommended SFPM*
Cleaning and conditioning	2000-5000
Oxide removal	4500-6500

*Surface feet per minute

Model No.	Size"	Colour	Finish	Price /Each
BP069	1/4 x 24	Blue	Very fine	
BP068	1/4 x 24	Maroon	Medium	
BP067	1/4 x 24	Brown	Coarse	
BP063	1/2 x 18	Blue	Very fine	
BP062	1/2 x 18	Maroon	Medium	
BP061	1/2 x 18	Brown	Coarse	
BP066	1/2 x 24	Blue	Very fine	
BP065	1/2 x 24	Maroon	Medium	
BP064	1/2 x 24	Brown	Coarse	
BP076	3/4 x 18	Blue	Very fine	
BP075	3/4 x 18	Maroon	Medium	
BP074	3/4 x 18	Brown	Coarse	
BP073	3 x 24	Maroon	Medium	
BP071	3 1/2 x 15	Maroon	Medium	
BP070	3 1/2 x 15	Brown	Coarse	

SCOTCH-BRITE™ FLAP BRUSHES

- Heavy duty brush excellent for removing handling marks and surface imperfections
- Available on 1/4" shaft (CPFB-S) or Roloc+ attachment system (CPFB-R)



CPFB-R & CPFB-S

Model No.	Size"	Max. RPM	Grit	Price /Each
NW061	2 x 1 x 1/4	12000	Medium	
BP446	3 x 1 3/4 x 1/4	8500	Medium	

CFFB-R & CFFB-S

- Ideal for decorative finishes and light deburring applications
- Available on 1/4" shaft (CFFB-S) or Roloc+ attachment system (CFFB-R)

Model No.	Size"	Max. RPM	Grit	Price /Each
BP442	3 x 1 3/4 x 1/4	8500	Coarse	

COMBI WHEELS

- Made of alternating flaps of coated abrasive and Scotch-Brite™ web
- Aggressive cuts and fine finishes



Model No.	Grit	Size"	Max. RPM	Price /Each
NW066	80	3 x 1 3/4 x 1/4	8000	
NW067	P120	3 x 1 3/4 x 1/4	8000	
NW068	P180	3 x 1 3/4 x 1/4	8500	

BUFFING WHEELS

#60 Soft Cotton Wheels: 100% cotton 60/60 threads per square inch unbleached. For finishing stainless steel, brass, aluminum, gold, silver, chrome and wood.

#80 Cotton Buffing Wheels: 100% unbleached cotton 86/80 threads per square inch. For finishing brass, stainless steel, aluminum, bronze and cast iron.

Sisal Buffing Wheels: Made of sisal cloth #64 and cotton. 6 ply sisal/4 ply cotton. For aggressive buffing and polishing of steel, cast aluminum, iron, brass and bronze. Also excellent for deburring, breaking sharp edges in casting and removing stains, abrasive belt lines and light die marks.



Model No.	Dia."	Arbor"	Ply	Stitching	Price/Each
#60 SOFT COTTON WHEELS					
TD164	6	1/2	20	1/4" Spiral Sewn	
TD167	6	1/2	25	Loose Style	
TT161	6	1/2	36	1/2" Square Sewn	
TD165	8	5/8	20	1/4" Spiral Sewn	
TD168	8	5/8	25	Loose Style	
TT150	10	5/8	20	1/4" Spiral Sewn	
TT151	10	5/8	25	Loose Style	
#80 COTTON BUFFING WHEELS					
TT152	6	1/2	20	1/4" Spiral Sewn	
TT153	6	1/2	25	Loose Style	
TT154	8	5/8	20	1/4" Spiral Sewn	
TT155	8	5/8	25	Loose Style	
TT156	10	5/8	20	1/4" Spiral Sewn	
SISAL BUFFING WHEELS					
TT158	6	1/2	6 Sisal/4 Cotton	1/4" Spiral Sewn	
TT159	8	5/8	6 Sisal/4 Cotton	1/4" Spiral Sewn	
TT160	10	5/8	6 Sisal/4 Cotton	1/4" Spiral Sewn	

POLISHING & BUFFING WHEEL COMPOUNDS

For use with buffing wheels.
All bars are: 2" x 2" x 10" except jewelers rouge: 1 1/4" x 1 1/4" x 6".



Model No.	Bar Type	Description	Price /Each
TT143	Black	Coarse, fast cutting bar for removal of rust and scale from iron and steel	
TT144	Brown Tripoli	General purpose bar for buffing brass and aluminum	
TT149	Green	For fine stainless steel and other metals, general purpose	
TT218	White Rouge Finishing	Provides a bright luster to stainless steel, aluminum, iron, chrome and nickel surfaces	
TT219	Red Jewelers Rouge	Enhances luster of buffed precious metals, gold, sterling, silver, platinum etc.	
TT220	General Purpose	All round general purpose buffing compound	



DEBURRING & MULTI-FINISHING WHEELS

Typical Applications

- Burr and flashing removal
- Surface roughness reduction
- Blending weld areas on stainless steel
- Blending scratch patterns
- Weld polishing
- Removing rust and oxides
- Applying decorative finishes including antique patterns

Features & benefits

- Formed by wrapping and bonding web material impregnated with abrasive grain and resin around a center core
- Offers a wide range of uses from heavy burr removal to cleaning rust and oxides

SCOTCH-BRITE™ MULTI-FINISHING WHEELS

Produces uniform grain finishes on stainless steel and other metals.

- Highly conformable
- Tough enough to finish edges and welds



Model No.	Grit	Finish	Size"	Max. RPM	Price /Each
BP715	2S	Coarse	6 x 1 x 1	6000	
BP717	2S	Medium	6 x 1 x 1	6000	
BP718	2S	Coarse	6 x 2 x 1	6000	
BP720	2S	Medium	6 x 2 x 1	6000	
BP721	2S	Coarse	8 x 1 x 3	4500	
BP723	2S	Medium	8 x 1 x 3	4500	

SCOTCH-BRITE™ EXL UNITIZED DEBURRING WHEELS

Excellent for deburring and polishing a wide range of metals, plastics and composites.

- Cool running allows more pressure to be applied
- Cleaner than buffs and compounds
- Eliminate danger of loose-flying wires



Model No.	Grit	Finish	Size"	Max RPM	Price /Each
BP737	2A	Medium	1 x 1 x 3/16	25 100	
BP738	2S	Fine	1 x 1 x 3/16	30 100	
BP739	6A	Medium	1 x 1 x 3/16	35 100	
BP741	8A	Coarse	1 x 1 x 3/16	35 100	
BP742	8A	Medium	1 x 1 x 3/16	35 100	
BP743	2A	Medium	3 x 1/4 x 3/8	12 100	
BP744	2S	Fine	3 x 1/4 x 3/8	12 100	
BP745	4A	Fine	3 x 1/4 x 3/8	18 100	
BP746	6A	Medium	3 x 1/4 x 3/8	18 100	
BP747	6S	Fine	3 x 1/4 x 3/8	18 100	
BP748	8A	Coarse	3 x 1/4 x 3/8	18 100	
BP749	8A	Medium	3 x 1/4 x 3/8	18 100	

WHEEL ACCESSORIES

Flange Adaptor No. 5: For use with 6" wheels. Telescoping wheel adaptors 1" and 1/2" wide to reduce 1" wheel cores to fit 5/8". Must be used with side flanges.



Model No.	Size"	Price /Each
FLANGE ADAPTOR NO. 5		
NW080	1 x 1/2 x 1/2	
NW081	1 x 1 x 1/2	

SCOTCH-BRITE™ EXL DEBURRING WHEELS

Use to clean, finish, blend, deburr or polish all types of metals, composites and glass.



Model No.	Grit	Finish	Size"	Max. RPM	Price /Each
BP694	8A	Medium	6 x 1/2 x 1	6000	
BP695	8S	Fine	6 x 1/2 x 1	6000	
BP696	9S	Fine	6 x 1/2 x 1	6000	
BP690	8A	Medium	6 x 1 x 1	6000	
BP692	8S	Fine	6 x 1 x 1	6000	
BP693	9S	Fine	6 x 1 x 1	6000	
BP697	8A	Medium	8 x 1 x 3	4500	
BP698	8S	Fine	8 x 1 x 3	4500	
BP700	9S	Fine	8 x 1 x 3	4500	
BP704	8A	Medium	8 x 2 x 3	4500	
BP705	8S	Fine	8 x 2 x 3	4500	
BP706	9S	Fine	8 x 2 x 3	4500	

SCOTCH-BRITE™ HIGH STRENGTH DISCS (ALUMINUM OXIDE)

- Very conformable discs
- Ideal for light deburring, cleaning and finishing



Model No.	Dia."	Grade	Max. RPM	Price /Each
NW051	6 x 1/4	Very Fine	4000	
NW052	6 x 1/2	Medium	4000	
NW053	6 x 1/2	Very Fine	4000	
NW054	8 x 1/2	Medium	3000	
NW055	8 x 1/2	Very Fine	3000	

SCOTCH-BRITE™ CUT & POLISH WHEELS

Heavy-duty wheels for aggressive blending and finishing.

- Produce uniform results quickly and easily
- Replace rubber bonded wheels, set-up wheels and lap wheels



Model No.	Grit	Finish	Size"	Max. RPM	Price /Each
BP680	7A	Coarse	6 x 1 x 1	6000	
BP682	7A	Medium	6 x 1 x 1	6000	
BP681	7A	Fine	6 x 1 x 1	6000	

MANDRELS

Designed for use with Scotch-Brite™ unitized wheels.



Model No.	Size"	Max RPM	Price /Each
BP505	2 1/16 x 1/4 x 3/4	22 200	
NW076	1 3/4 x 1/4 x 1/2	35 200	
BP508	1 3/4 x 1/4	18 200	

STEEL WOOL

UTILITY PADS

- 16 large pads of steel wool per package



Model No.	Grit	Price /Each
VS118	0000 (finest)	
VS119	000 (extra fine)	
VS120	00 (very fine)	
VS121	0 (fine)	
VS122	1 (medium)	
VS123	2 (coarse)	
VS124	3 (very coarse)	

UTILITY ROLLS

- 6 large rolls per package



Model No.	Grit	Price /Each
VS133	0 (fine)	
VS134	1 (medium)	
VS135	2 (coarse)	

ONE POUND TUBES

- One pound of continuous ribbon per package



Model No.	Grit	Price /Each
VS127	00 (very fine)	
VS128	0 (fine)	

ABRASIVE CORDS & TAPE

- Debur, grind and polish hard-to-reach areas which are inaccessible to most standard tools
- Ideal for narrow slots, grooves, small holes, and curved surfaces
- Impregnated on both sides with aluminum oxide, silicon carbide or crocus, suitable for use on metal, plastic, and wood
- Cords and tapes are supplied on an adhesive tape-like spool in 50 foot lengths



Dia."	Grain	Alum. oxide Model No.	Alum. oxide Price /Each	Crocus Model No.	Crocus Price /Each	S. Carbide Model No.	S. Carbide Price /Each
0.150	120	-	-	-	-	VS101	
0.125	120	-	-	-	-	VS102	
0.093	150	VS078		-	-	-	-
0.082	120	VS079		VS090		VS103	
0.070	180	VS080		VS091		VS104	
0.055	120	VS081		-	-	VS105	
0.055	150	VS082		VS092		VS106	
0.040	180	VS083		VS093		VS107	
0.030	200	VS084		VS094		VS108	
0.025	200	-	-	VS095		VS109	
0.018	200	-	-	VS096		VS110	
0.015	200	-	-	VS097		VS111	
0.012	280	-	-	VS098		VS112	
1/16	180	VS085*		-	-	VS113	
3/32	180	VS086*		VS099*		VS114*	
1/8	180	VS087*		-	-	VS115*	
6/32	150	VS088*		-	-	VS116*	
1/4	150	VS089*		VS100*		VS117*	

*Tapes

PRO COUNTER DUSTERS

- Sturdy, light-weight brushing tools
- Recommended for dusting and chip removal
- Can be used wet or dry, will not load

OSBORN JACKSONLEA



Model No.	Length of brush"	Description	Trim Length"	Price /Each
BZ986	8	Black Tampico	2 1/2	
NP243	8	Light Blue Polypro	2 1/2	

V-GROOVE LONG HANDLE SCRATCH BRUSHES

- Designed for use in hard-to-reach areas that require a narrow face

OSBORN JACKSONLEA



Model No.	Description	Wire Rows	Trim Length"	Price /Each
BZ985	Stainless Steel	3 x 14	1 1/2	
NP245	Steel	3 x 14	1 1/2	

STRAIGHT HANDLE SCRATCH BRUSHES W/SCRAPER

OSBORN JACKSONLEA



Model No.	Length of brush"	O.A. Length"	Wire Rows	Trim Length"	Price /Each
BZ979	5 1/2	11 3/8	4 x 11	1 5/8	

SMALL CLEANING SCRATCH BRUSHES

OSBORN JACKSONLEA

- Fill Diameter: 0.006"
- Brush Width: 3/4"



Model No.	Brush Length"	O.A. Length"	Fill Material	Wire Rows	Trim Length"	Price /Each
WOOD						
TC070	1 1/2	7 3/4	Stainless Steel	3 x 7	1/2	
TC073	1 1/2	7 3/4	Brass	3 x 7	1/2	
NU537	1 1/2	7 3/4	Nylon	3 x 7	1/2	
PLASTIC						
NU538	1 1/2	7 3/4	Stainless Steel	3 x 7	1/2	
NU539	1 1/2	7 3/4	Brass	3 x 7	1/2	
NT947	1 1/2	7 3/4	Nylon	3 x 7	1/2	
ANGLED BACK						
NP247	1 7/16	7 3/4	Brass	3 x 7	7/16	
NP250	1 7/16	7 3/4	Polypro	3 x 7	7/16	
BZ976	1 7/16	7 3/4	Stainless Steel	3 x 7	7/16	
NP249	1 7/16	7 3/4	Steel	3 x 7	7/16	
CURVED BACK						
NP255	2 1/2	8 5/8	Brass	2 x 9	5/8	
NP256	2 1/2	8 5/8	Stainless	2 x 9	5/8	

V-TRIM SMALL HANDLE SCRATCH BRUSHES

OSBORN JACKSONLEA



Model No.	Description	Length of brush"	O.A. Length"	Wire Rows	Trim Length"	Price /Each
NP246	Steel	1 1/2	7 7/8	3 x 7	1/2	
NP244	Stainless Steel	1 1/2	7 7/8	3 x 7	1/2	
BZ982	Brass	1 1/2	7 7/8	3 x 7	1/2	

CURVED HANDLE SCRATCH BRUSHES

OSBORN JACKSONLEA


BZ606

Model No.	Length of brush"	O.A. Length"	Description	Wire Rows	Trim Length"	Price /Each
BZ970	6	13 11/16	Stainless Steel	3 x 19	1 1/8	
BZ606	6	13 11/16	Steel	3 x 19	1 1/8	
NP248*	6	13 11/16	Steel	3 x 19	1 1/8	
BZ607**	6	13 11/16	Steel	4 x 19	1 1/8	

*With scraper ** Heavy-duty

SCRATCH BRUSHES WITH SCRAPER

- Durable hardwood handles that have a smooth finish for extra comfort
- Hang-up hole for easy storage


NU540

FELTON BRUSHES

Model No.	Brush Width"	Brush Length"	O.A. Length"	Fill Material	Wire Rows	Trim Length"	Price /Each
STRAIGHT HANDLE							
TT171	1 1/2	5 1/2	11 3/8	Steel	5 x 13	1 1/8	
CURVED HANDLE							
NU540	15/16	5 3/4	13	Steel	3 x 19	1	
NU541	2	4	20	Steel	3 x 10	1	
NU542	2	4	20	Stainless Steel	3 x 10	1	

CURVED-HANDLE SCRATCH BRUSHES

- Durable hardwood handles that have a smooth finish for extra comfort

FELTON BRUSHES


TC065

Model No.	Brush Width"	Brush Length"	O.A. Length"	Fill Material	Wire Rows	Trim Length"	Price /Each
TC065	15/16	6	14	Steel	3 x 19	1 1/8	
TC068	15/16	6	14	Stainless Steel	3 x 19	1 1/8	
TT167	15/16	6	14	Brass	3 x 19	1 1/8	
TC066	1 1/8	6	14	Steel	4 x 19	1 1/8	
TT170	1 1/8	6	14	Stainless Steel	4 x 19	1 1/8	
TT169	1 1/8	6	14	Brass	4 x 19	1 1/8	

FLAT WIRE BUTCHER BLOCK BRUSHES

- Flat wire butcher block that offers a more aggressive scrub than round wire counterparts
- Durable hardwood block

FELTON BRUSHES


NU548

Model No.	Brush Width"	Brush Length"	O.A. Length"	Fill Material	Wire Rows	Trim Length"	Price /Each
NU545	4	8 1/2	9	Flat Steel Wire	8 x 12	1 1/8	
NU547*	4	8 1/2	9	Flat Steel Wire	8 x 12	1 1/8	
NU546**	4	8 1/2	9	Flat Steel Wire	8 x 12	1 1/8	
NU548	2 5/8	7	7 5/8	Flat Steel Wire	5 x 10	1	
NU549	2 5/8	7	7 5/8	Flat Steel Wire	5 x 10	1 1/4	

* Comes with a plastic handle
** Comes with a wood handle

SHOE HANDLE SCRATCH BRUSHES

- Durable hardwood handles that have a smooth finish for extra comfort
- Brush Width: 1 1/16"


TC067

FELTON BRUSHES

Model No.	Brush Length"	O.A. Length"	Fill Material	Wire Rows	Trim Length"	Price /Each
TC067	5 1/4	10	Steel	5 x 13	1 1/8	
TC074	5 1/4	10	Stainless Steel	5 x 13	1 1/8	
TT168	5 1/4	10	Brass	5 x 13	1 1/8	

ROUND WIRE BUTCHER BLOCK BRUSHES

- Round wire butcher block that offers a gentler scrub than flat wire counterparts
- Durable hardwood block
- Brush Width: 2 1/2"


NW102

FELTON BRUSHES

Model No.	Brush Length"	O.A. Length"	Fill Material	Wire Rows	Trim Length"	Price /Each
NW102	7	7 1/4	Steel	6 x 19	1 1/8	
NU543	7	7 1/4	Stainless Steel	6 x 19	1 1/8	
NU544	7	7 1/4	Brass	6 x 19	1 1/8	

INDUSTRIAL-DUTY SCRATCH BRUSHES

- Wood handle
- Choice of carbon or stainless steel bristles


NT607

NT609

NT615

WELD-MATE

Model No.	Length of Brush"	O.A. Length"	Wire Bristles	Rows	Trim Length"	Price /Each
LONG HANDLE BRUSHES						
NT607	5 3/4	13 3/4	Carbon Steel	3 x 19	1	
NT608	5 3/4	13 3/4	Carbon Steel	4 x 19	1	
NT611	5 3/4	13 3/4	Stainless Steel	3 x 19	1	
NT612	6	10 1/4	Stainless Steel	4 x 19	1	
SHOE HANDLE BRUSHES						
NT609	5 1/4	10 1/2	Carbon Steel	3 x 16	1	
NT610	5 1/4	10 1/2	Carbon Steel	4 x 16	1	
NT613	5	10 1/2	Stainless Steel	3 x 16	1	
NT614	5	10 1/4	Stainless Steel	4 x 16	1	
"TOOTHBRUSH" CLEANING BRUSH						
NT615	1 1/2"	7 3/4	Stainless Steel	3 x 7	1/2	

ECONOMY BRUSHES

- An economic alternative to the high-value Osborn® brand
- Geared toward light industrial and DIY users
- Selected from the fastest movers in the Osborn® line to provide a complete selection of quick-turning products
- Standard arbor sizes or shanks
- Power brushes with plain arbor holes come packaged with adapters for common drive sizes
- High-speed thread adapters are included in the Osborn® economy line to fit most threaded drives
- All power brushes are display packaged

OSBORN®
JACKSONLEA



CRIMPED WIRE WHEEL BRUSHES - NARROW FACE INCLUDES 1/2" AND 5/8" ADAPTERS

Model No.	Mfg. No.	Brush Dia."	Arbor Hole"	Fill Dia."	Type	Face Width"	Max. RPM	Price /Each
NU096	99009	6	2	0.014	Steel	5/8	6000	
NU097	99010	8	2	0.014	Steel	5/8	4500	



CRIMPED WIRE WHEEL BRUSHES - WIDE FACE INCLUDES 1/2" AND 5/8" ADAPTERS

Model No.	Mfg. No.	Brush Dia."	Arbor Hole"	Fill Dia."	Type	Face Width"	Max. RPM	Price /Each
NU103	99022	6	2	0.014	Steel	1 1/4	6000	
NU104	99023	8	2	0.014	Steel	1 1/2	4500	



CRIMPED WIRE WHEEL BRUSHES - MEDIUM FACE INCLUDES 1/2" AND 5/8" ADAPTERS

Model No.	Mfg. No.	Brush Dia."	Arbor Hole"	Fill Dia."	Type	Face Width"	Max. RPM	Price /Each
NU098	99012	6	2	0.008	Steel	3/4	6000	
NU099	99015	6	2	0.014	Steel	3/4	6000	
NU100	99016	7	2	0.014	Steel	3/4	6000	
NU101	99013	8	2	0.008	Steel	3/4	6000	
NU102	99017	8	2	0.014	Steel	3/4	4500	



HIGH SPEED STRINGER BEAD KNOT WIRE WHEEL BRUSH

Model No.	Mfg. No.	Brush Dia."	Arbor Hole"	Fill Dia."	Type	Face Width"	Max. RPM	Price /Each
NU105	99083	5	5/8-11	0.02	Steel	3/16	12 000	
NU106	99089	6	5/8-11	0.02	Stainless	1/4	12 000	
NU107	99084	6	5/8-11	0.02	Steel	1/4	12 000	
NU108	99086	6 1/2"	5/8-11	0.02	Steel	3/16	12 000	



KNOT WIRE END BRUSH

Model No.	Mfg. No.	Brush Dia."	Fill Dia."	Stem Dia."	Type	Max. RPM	Price /Each
NU109	99098	3/4	0.014	1/4	Steel	20 000	
NU110	99099	3/4	0.02	1/4	Steel	20 000	
NU111	99100	1	0.012	1/4	Steel	20 000	
NU112	99101	1	0.014	1/4	Steel	20 000	
NU113	99102	1	0.02	1/4	Steel	20 000	
NU114	99103	1	0.014	1/4	Stainless	20 000	

ATB™ NYLON ABRASIVE COMPOSITE FLEXIBLE WHEEL BRUSHES

- Brushes with long trim and moderate density offer long brush life, less filament breakage and uniform distribution of filaments
- Maximum RPM: 3600
- Ideal for applications requiring a high degree of conformability
- **Applications:** Turbine blades, indexable cutting tool inserts, cam shafts, machined parts, and edge radiusing



OSBORN
JACKSONLEA

Model No.	Brush Dia."	Grit	Filament Diameter (mm)	Arbor Hole"	Face Width"	Trim Length"	Price /Each
NT733	6	80	0.04	2	1	1 1/4	
NT735	6	120	0.028	2	1	1 1/4	
NT736	6	120	0.04	2	1	1 1/4	
NT737	6	180	0.035	2	1	1 1/4	
NT738	6	320	0.022	2	1	1 1/4	
NT740	8	80	0.04	1 1/4	1	2 1/4	
NT741	8	120	0.04	1 1/4	1	2 1/4	
NT742	8	180	0.035	1 1/4	1	2 1/4	
NT743	8	320	0.022	1 1/4	1	2 1/4	

END BRUSHES

Especially suited for use on portable air and electric tools, CNC and robotic equipment, the end brush is designed for work where space limitations are a factor. In most applications, higher speeds (up to 25 000 RPM) are required for effective brushing action. Osborn® end brush fill materials include carbon and stainless steels, brass, natural fibre, abrasive nylon, and TY® elastomer encapsulated wire.



OD - OUTSIDE DIAMETER

Standard Osborn® end brushes are made with outside diameters from 3/16" through 3". For larger surfaces or "surround" applications, multiple brushes may be clustered. As a guide, add 1/8" to brush O.D. to get overall O.D.

T - TRIM LENGTH

Shorter brush section provides stiffness and faster cutting. Longer filaments have more flexibility for irregular surfaces.

OAL - OVERALL LENGTH

Distance from end of brush part to end of shank.

S - SHANK DIAMETER

All standard end brushes have 1/4" diameter shank. Miniature end brushes have 1/8" diameter shank.

CRIMPED WIRE END BRUSHES

- Engineered to operate at high speeds
- **Applications:** Rubber and Plastic Mold Cleaning/ Cleaning Pipe I.D./Removing Rust, Weld Scale and Spatter/Cleaning Castings/Burr Removal/Rubber Flash Removal/Carbon Removal/Spot Facing/ Cleaning and Finishing Recessed Areas



OSBORN JACKSONLEA

WITH 1/4" SHANK

Model No.	Brush Dia."	O.A. Length"	Wire Gauge"	Trim Length"	Max RPM	Price /Each
STEEL						
BX374	1/2	2 3/4	0.0104	1	25 000	
BX375	1/2	2 3/4	0.02	1	25 000	
BX378	3/4	2 3/4	0.02	1	20 000	
STAINLESS						
BX359	1/2	2 3/4	0.0104	1	25 000	
BX360	1/2	2 3/4	0.014	1	25 000	

KNOT WIRE END BRUSHES

- Ideal for flash, scale, rust, corrosion and paint removal
- Great tool to reach into holes and hard to reach areas
- More aggressive brushing action than crimped brushes
- Low flexibility knotted wire for high impact brushing

FELTON BRUSHES



Model No.	Brush Dia."	Fill Dia."	Shank Size"	Fill Length"	Max RPM	Price /Each
STEEL						
NU456	1/2	0.014	1/4	1	22 000	
NU457	3/4	0.014	1/4	1	22 000	
MLP989	1	0.012	1/4	1	25 000	
TT300	1	0.014	1/4	1	25 000	
TC134	1	0.020	1/4	1	25 000	
STAINLESS						
NU453	1	0.012	1/4	1	25 000	
NU454	1	0.014	1/4	1	25 000	
NU455	1	0.020	1/4	1	25 000	

CRIMPED WIRE END BRUSHES

- Ideal for flash, scale, rust, corrosion and paint removal
- Softer impact and more flexible than knotted brushes
- Great tool for polishing, edge blending and surface preparation
- Efficient, light cleaning of small hard-to-reach surface areas



FELTON BRUSHES

Model No.	Brush Dia."	Fill Dia."	Shank Size"	Fill Length"	Max RPM	Price /Each
STEEL						
NU447	1/2	0.005	1/4	1	20 000	
TT316	1/2	0.014	1/4	1	20 000	
NU449	3/4	0.005	1/4	1	20 000	
NU451	1	0.005	1/4	1	20 000	
TT317	1	0.014	1/4	1	20 000	
STAINLESS						
NU448	1/2	0.005	1/4	1	20 000	
TC135	3/4	0.014	1/4	1	20 000	
NU450	3/4	0.006	1/4	1	20 000	
NU452	1	0.005	1/4	1	20 000	

KNOT WIRE END BRUSHES

Rugged brushing tools designed with the finest wire to offer efficient usage for a wide variety of tough cleaning and maintenance applications; can be used on CNC equipment. Available with steel, stainless steel and brass wire. Certain styles are available in clamshell packaging.

- **Applications:** Spot Cleaning or Facing/Removal of Slag, Rust or Scale/Cleaning Pipe I.D./Deburring or Flash Removal/Cleaning of Dies, Moulds and Tooling/Pipeline Cleaning



OSBORN JACKSONLEA

WITH 1/4" SHANK

Model No.	Brush Dia."	O.A. Length"	Wire Gauge"	Trim Length"	Max RPM	Price /Each
STEEL						
BX350	1/2	2 3/4	0.014	1 1/8	22 000	
BX353	3/4	2 3/4	0.014	1 1/8	20 000	
BX357	1	2 3/4	0.014	1	20 000	
STAINLESS						
BX481	1/2	2 3/4	0.014	1 1/8	22 000	
BX484	3/4	2 3/4	0.014	1 1/8	20 000	
BX487	1	2 3/4	0.014	1	20 000	

SCUF-GUARD COATED BRUSHES

- Made with a durable elastomer layer on the cup to help prevent accidental scratches or markings on the work surface during operation
- Stainless steel wire

OSBORN JACKSONLEA



Model No.	Dia."	Brush Length"	O.A. Length"	Fill Dia."	Trim Length"	Max RPM	Price /Each
BX364	1/2	1 1/8	2 3/4	0.006	1 1/8	22 000	
BX366	1/2	1 1/8	2 3/4	0.014	1 1/8	22 000	
BX367	3/4	1 1/8	2 3/4	0.006	1 1/8	20 000	
BX369	3/4	1 1/8	2 3/4	0.014	1 1/8	20 000	
BX370	1	1	2 3/4	0.006	1 1/8	20 000	
BX372	1	1	2 3/4	0.014	1	20 000	

AH - ARBOR HOLE

Osborn® brushes are made with a variety of standard sizes which can easily be adapted to fit any standard spindle.

OD - OUTSIDE DIAMETER

Standard Osborn® wheel brushes are made with outside diameters from about one inch to almost two feet. Generally, the largest diameter that suits your work space and machine speed will be most efficient.

ID - INSIDE DIAMETER

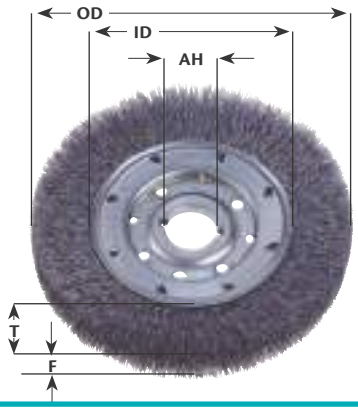
Assuming a fixed O.D., increasing the I.D. produces a stiffer, less flexible brush.

T - TRIM LENGTH

Shorter trim makes a stiff, fast cutting brush. Longer trim makes a more flexible brush for irregular surfaces.

F - FACE WIDTH

Standard face widths range from extremely narrow to several inches wide. Many styles can be mounted in multiple.



CRIMPED WIRE WHEEL BRUSHES

- Can be mounted horizontally or vertically
- Highly flexible, ideal for light to medium duty surface preparation on irregular surface
- Offered a variety of style from aggressive material removal to surface conditioning and polishing

OSBORN® JACKSONLEA

NARROW FACE

- More flexible than the wide and medium style
- Can be mounted in multiples
- To be used with a straight grinder, a bench/pedestal grinder or a right angle grinder
- **Application:** Deburring and cleaning narrow areas, producing antique finishes, rust and paint removal



Model No.	Brush Dia."	Arbor Hole"	Wire Gauge"	Trim Length"	Face Width"	Max RPM	Price /Each
STEEL							
BW882	6	1 1/4	0.014	1 1/8	5/8	6000	
BW886	8	1 1/4	0.014	1 1/2	5/8	4500	
BW888	10	1 1/4	0.014	2 1/2	5/8	3600	
STAINLESS							
BW899	6	1 1/4	0.014	1 1/8	5/8	6000	
BW900	8	1 1/4	0.014	3/4	1/2	4500	

MEDIUM FACE

- Greater fill density and more aggressive brushing action
- Can be adaptable to multiple mounting for brushing wider areas
- To be used with a bench/pedestal grinder
- **Application:** Edge blending, deburring, rust removal, surface finishing and cleaning



Model No.	Brush Dia."	Arbor Hole"	Wire Gauge"	Trim Length"	Face Width"	Max RPM	Price /Each
STEEL							
BW996	6	2	0.0118	1	7/8	6000	
BX006	8	2	0.0118	1 1/2	5/8	4500	
BX022	10	2	0.0118	2	1 1/4	3600	
STAINLESS							
BX040	6	2	0.0118	1	7/8	6000	
BX038	8	2	0.0118	1 1/2	5/8	4500	

WIDE FACE

- Maximum wire density and aggression, providing fast, efficient brushing on production work and general maintenance job
- To be used with a bench/pedestal grinder
- **Application:** Deburring, rust removal, surface finishing and cleaning



Model No.	Brush Dia."	Arbor Hole"	Wire Gauge"	Trim Length"	Face Width"	Max RPM	Price /Each
STEEL							
BW964	4 1/4	2	0.0118	3/4	1	6000	
BW968	6	2	0.0118	1	1 1/4	6000	
BW980	8	2	0.0118	1 1/2	1 1/2	4500	
BW983	10	2	0.0118	2 1/8	2	3600	
STAINLESS							
BX017	8	2	0.0118	1 1/2	1 1/2	4500	

CENTERING BUSHINGS

- Use only one
- For use with Osborn® brushes only



Model No.	Fits AH"	Reduces to"	Price /Each
BY231	1/2	1/4	
BY232	1/2	3/8	
BY234	5/8	3/8	
BY233	5/8	1/2	

CRIMPED WIRE WHEEL BRUSH WITH 1/4" SHANK

- Uniform dense fill
- Can be used of hand or on a drill press for internal and external cleaning and deburring
- **Application:** Rust, scale, paint, dirt and weld spatter removal



Model No.	Brush Dia."	Shank Dia."	Wire Gauge"	Trim Length"	Max RPM	Price /Each
STEEL						
BW737	1 1/2	1/4	0.008	0.281	25 000	
BW743	2	1/4	0.014	0.438	25 000	
BW753	3	1/4	0.014	0.75	25 000	
STAINLESS						
BW741	1 1/2	1/4	0.012	0.281	25 000	
BW746	2	1/4	0.014	0.438	25 000	
BW756	3	1/4	0.014	0.75	25 000	

SMALL DIAMETER CRIMPED WIRE WHEEL BRUSH

- Specially designed for effective brushing operations on internal surfaces and other hard to reach areas
- Can be mounted singly or in multiples, directly onto the shaft of a portable tool
- To be used with: straight grinder, right angle air die grinder, die grinder, drill.
- **Applications:** Deburring, ID cleaning, rust, scale, carbon and corrosion removal



Model No.	Brush Dia."	Arbor Hole"	Wire Gauge"	Trim Length"	Face Width"	Max RPM	Price /Each
STEEL							
BB458	1 1/2	3/8	0.014	3/8	7/32	20 000	
BB470	2	1/2	0.014	1/2	1/4	20 000	
BW680	3	1/2	0.014	1	1/4	20 000	
STAINLESS							
BB440	2	1/2	0.014	1/2	1/4	20 000	
BW700	3	1/2	0.014	1	1/4	20 000	

BRUSHES

MAJOR WIRE WHEEL BRUSHES

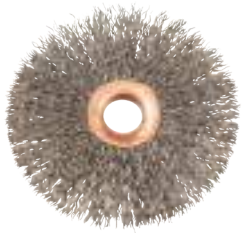
- Top grade wire for long service life and reduced wire breakage
- Efficient, light cleaning of off-hand work pieces
- Good for edge blending and surface preparation



Model No.	Brush Dia."	Fill Dia."	Arbor Size"	Face Width"	Max RPM	Price /Each
STEEL						
NU474	4	0.014	1 1/8	7/8	6000	
NU475	6	0.012	2	7/8	6000	
NU477	6	0.014	2	1	6000	
NU478	6	0.020	2	1	6000	
NU479	8	0.005	2	7/8	4500	
NU480	8	0.012	2	7/8	4500	
NU482	8	0.012	2	1 1/4	4500	
NU483	8	0.014	2	1 1/4	4500	
QM346	6	0.014	2	7/8	6000	
QM404	8	0.014	2	7/8	4500	

COPPER CENTRE CRIMPED WIRE WHEELS

- Filled with high quality steel wire
- Used for deburring, stripping wire, removing rust, scale and corrosion or blending tool marks
- Can be used in singles or in multiples



Model No.	Brush Dia."	Fill Dia."	Arbor Size"	Face Width"	Max RPM	Price /Each
STEEL						
NU486	1 1/2	0.005	3/8	1/4	20 000	
NU487	2	0.005	3/8	3/8	20 000	
NU488	2	0.012	3/8	3/8	20 000	
NU489	2	0.014	1/2	3/8	20 000	
NU490	2 1/2	0.012	1/2	1/2	20 000	
NU492	3	0.012	1/2	5/8	20 000	
NU493	3	0.014	1/2	5/8	20 000	
NU494	3	0.020	1/2	5/8	20 000	
NU495	4	0.012	1/2	5/8	20 000	

CIRCULAR CRIMPED WIRE END BRUSHES

- Ideal for burr, weld scale, corrosion and paint removal
- Softer impact and more flexible than knotted brushes
- Efficient, light cleaning of small surfaces areas
- Great for cleaning pipes and grooves



Model No.	Brush Dia."	Fill Dia."	Shank Size"	Face Width"	Max RPM	Price /Each
STEEL						
NU458	1 1/2	0.005	1/4	1/4	20 000	
QM452	1 1/2	0.014	1/4	-	20 000	
NU460	2	0.012	1/4	3/8	20 000	
NU461	2	0.014	1/4	3/8	20 000	
QM458	3	0.014	1/4	-	20 000	
STAINLESS						
NU459	1 1/2	0.014	1/4	1/4	20 000	
NU463	3	0.014	1/4	5/8	20 000	
NU464	4	0.008	1/4	5/8	20 000	

CIRCULAR KNOTTED WIRE END BRUSHES

- Ideal for burr, weld scale, corrosion and paint removal
- More aggressive brushing action than crimped brushes
- Reaches into corners and inside edges



Model No.	Brush Dia."	Fill Dia."	Shank Size"	Max RPM	Price /Each
STEEL					
NU467	3 1/2	0.014	1/4	25 000	
STAINLESS					
NU468	3 1/2	0.014	1/4	25 000	

METAL ADAPTOR FOR 1 1/4" & 2" ARBOR HOLE

- Slip fit adaptor
- Comes in pair



Model No.	Fits Arbor Hole"	Reduces to Arbor Hole"	Price /Each
BY224	1 1/4	1/2	
BY225	1 1/4	5/8	
BY226	1 1/4	3/4	
BY204	2	1/2	
BY205	2	5/8	
BY206	2	3/4	
BY207	2	7/8	
BY208	2	1	
BY210	2	1 1/4	
BY211	2	1 1/2	

CRIMPED WIRE CONCAVE END BRUSHES

- Crimped wire wheel has a concave face to reach into corners
- Acts as an off-hand sweeping tool
- For use on drill presses for internal or external cleaning



Model No.	Brush Dia."	Fill Dia."	Shank Size"	Max RPM	Application Type	Price /Each
NU469	1 1/2	0.012	1/4	20 000	Steel	

BRUSH DRIVE ARBOR

- For brushes up to 3" in diameter
- Design for use with a single brush only
- Not for use with non-brush perishable tool



Model No.	Overall Diameter"	Shank Length"	Dia."	Price /Each
BY198	1/4	1 1/2	3/16	
BY199	3/8	1 3/4	1/4	
BY200	1/2	1 3/4	1/4	
BY201	5/8	1 3/4	1/4	

KNOT WIRE WHEEL BRUSHES

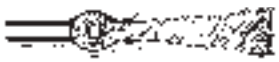
- The individual knot wire tufts of a knot wheel provide minimal flexibility for more aggressive brushing action
- Rugged knot-type construction provides high brush flexibility, more uniform results, maximum safety and efficient operation at high speeds
- Brushes larger than 6" should be mounted on stationary tables; those 6" and smaller can be mounted to stationary installations or attached to portable tools

There are other wheel sizes, wire sizes & arbor sizes available for all brush types.

Different materials are also available.

STANDARD TWIST KNOT

- Aggressive, high impact action for severe application,
- To be used with straight grinders, bench and pedestal grinder or right angle grinder



STRINGER BEAD

- Tighter knot, fit into more recessed area
- To be used with straight grinders or right angle grinder



STRINGER BEAD

- Small width allows this brush to be used in recessed area such as welding junctions
- **Application:** Cleaning stringer bead welds

OSBORN JACKSONLEA



Model No.	Brush Dia."	Arbor Hole	Wire Gauge"	Trim Length"	Face Width"	Max RPM	Price /Each
STEEL							
BX338	4 7/8	5/8"-11NC	0.02	1	3/16	12 000	
BX161	6 1/2	5/8"-11NC	0.02	1 1/4	3/16	12 000	
STAINLESS							
BX270	4 7/8	5/8"-11NC	0.02	1	3/16	12 000	
BX273	6 1/2	5/8"-11NC	0.02	1 1/4	3/16	12 000	

HIGH SPEED STEEL SMALL GRINDER,STRINGER BEAD

- Works aggressively, smoothly and efficiently on air or portable power tools
- **Application:** Bead scale removal

OSBORN JACKSONLEA



Model No.	Brush Dia."	Arbor Hole	Colour	Wire Gauge"	Trim Length"	Max RPM	Price /Each
STEEL							
BX288	4	5/8"-11NC	Steel	0.02	7/8	20 000	
BX284	4	M-14 x 2.0	Red	0.02	7/8	20 000	
STAINLESS STEEL							
BX311	4	5/8"-11NC	Steel	0.02	7/8	20 000	

STANDARD TWIST KNOT WITH 1/4" SHANK

- Designed to operate at high speeds
- **Applications:** Maintenance and metal surface cleaning

OSBORN JACKSONLEA



Model No.	Brush Dia."	Wire Gauge"	Trim Length"	Max RPM	Price /Each
STEEL					
BX193	3	0.014	5/8	25 000	
BX196	4	0.014	7/8	20 000	
STAINLESS					
BX195	3	0.014	5/8	25 000	
BX198	4	0.014	7/8	20 000	

STANDARD TWIST KNOT

- **Application:** Removal of rubber flash, paint slag, scale, rust, surface contamination, weld cleaning, blending, finishing, deburring, descaling, pipeline cleaning and general cleaning

OSBORN JACKSONLEA



Model No.	Brush Dia."	Arbor Hole	Wire Gauge"	Trim Length"	Face Width"	Max RPM	Price /Each
STEEL							
BX125	4	3/8"	0.014	7/8	5/16	20 000	
BX137	6	5/8"-11NC	0.025	1 1/2	1/2	9000	
BX144	8	5/8"	0.025	1 11/16	5/8	8500	
STAINLESS							
BX202	4	3/8"	0.014	7/8	5/16	20 000	
BX272	6	5/8"-11NC	0.025	1 1/2	1/2	9000	

STANDARD TWIST KNOT HIGH SPEED STEEL SMALL GRINDER

- Works aggressively, smoothly and efficiently on air or portable power tools
- **Applications:** Cleans grooves, T-connections, weld beads and surface prep

OSBORN JACKSONLEA



Model No.	Brush Dia."	Arbor Hole	Colour	Wire Gauge"	Trim Length"	Max RPM	Price /Each
STEEL							
BX305	4	5/8"-11NC	Steel	0.02	7/8	20 000	
BX206	5	5/8"-11NC	Steel	0.02	1	12 000	
STAINLESS							
BX299	4	5/8"-11NC	Steel	0.02	7/8	20 000	
BX207	5	5/8"-11NC	Steel	0.02	1	12 000	

WIRE WHEEL BRUSHES

- Narrow face for confined and hard to reach contact areas
- Low flex high impact aggressive brush action
- Perfect for expansion joints and filler welds
- For root and hot pass weld cleaning
- Customization available

FELTON BRUSHES



Model No.	Brush Dia."	Face Width"	Fill Dia."	Arbor Size	Knot Type	No. of Knots	RPM	Price /Each
STEEL								
TT265	4	3/16	0.020	5/8"-11	Stringer	32	20 000	
TT271	4-7/8	3/16	0.020	5/8"-11	Stringer	48	12 500	
TC019	5-7/8	3/16	0.020	5/8"-11	Stringer	48	12 500	
NU432	4	1/4	0.020	5/8"-11	Cable	20	20 000	
NU434	5	3/8	0.020	5/8"-11	Cable	24	20 000	
NU436	6	3/8	0.014	5/8"-11	Cable	28	9000	
NU438	4	1/2	0.020	5/8"-11	Standard	20	20 000	
NU440	6	1/2	0.014	5/8"-11	Standard	28	9000	
NU442	8	5/8	0.014	5/8"-11	Standard	40	6000	
STAINLESS								
TT270	4	3/16	0.020	5/8"-11	Stringer	32	20 000	
TT272	4-7/8	3/16	0.020	5/8"-11	Stringer	48	12 500	
TT273	5-7/8	3/16	0.020	5/8"-11	Stringer	48	12 500	
NU439	4	1/2	0.020	5/8"-11	Standard	20	20 000	
NU441	6	1/2	0.014	5/8"-11	Standard	28	9000	
NU443	8	5/8	0.014	5/8"-11	Standard	40	6000	

BRUSHES

KNOTTED WIRE WHEEL SAUCER BRUSHES

- More aggressive brushing action than crimped brushes
- Ideal for burr, weld scale, corrosion and paint removal
- Reaches into corners and inside edges for a more effective clean



Model No.	Brush Dia."	Face Width"	Fill Dia."	Arbor Size"	RPM	Price /Each
STEEL						
NU470	4	1/2	0.020	5/8-11	20 000	
NU472	5	7/8	0.020	5/8-11	15 000	
STAINLESS						
NU471	S4	1/2	0.020	5/8-11	20 000	
NU473	S5	7/8	0.020	5/8-11	15 000	

AH - ARBOR HOLE

Most cup brushes are available with either plain or 5/8-11NC threaded arbor holes, while a few styles feature a hexagonal opening, and smaller sizes are fitted with a 1/4" shank.

OD - OUTSIDE DIAMETER

Standard Osborn® cup brushes are made in a range of outside diameters from 2" to 9". Generally, the largest diameter that suits your work space and machine speed will be most efficient.

T - TRIM LENGTH

The length of the fill material that extends beyond the metal cup or bridle. A short trim length provides a stiff, fast-cutting brush, while a longer trim length offers flexibility for dressing irregular surfaces.

R - ROW COUNT & ALIGNMENT

Cup brushes are available with one, two, or three rows of filaments or knots. Unless otherwise identified as "Stagger Row," multiple rows are parallel. Stagger row brushes provide more aggressive action.



CRIMPED WIRE CUP BRUSHES

Designed for light and medium-duty applications on a variety of high speed air and electric tools. Offers smooth, responsive cutting action at all speeds on a variety of jobs.



WITH 1/4" SHANK - LIGHT DUTY

- Offers light duty cleaning action on air tools or electric high-speed portable tools
- All brushes have a 1/4" shank

Model No.	Brush Dia."	Arbor Hole"	Trim Length"	Max RPM	Price /Each
STEEL					
BX593	1 3/4	0.0118	1/2	13000	
BX530	2 1/2	0.0104	5/8	4500	
STAINLESS					
BX595	1 3/4	0.0118	1/2	13000	
BX572	2 1/2	0.0104	5/8	4500	

HIGH SPEED SMALL GRINDER

- Flat brushing
- Surface prep
- Medium duty cleaning of flat surfaces and edges
- Removal of burrs
- Cleaning flat or curved surfaces
- Cleaning edges or angles
- Welding cleanup



Model No.	Brush Dia."	Arbor Hole"	Wire Gauge"	Trim Length"	Max RPM	Price /Each
STEEL						
BX547	2 3/4	5/8-11NC	0.014	1	14000	
BX544	2 3/4	M-10 x 1.25	0.014	1	14000	
BX543	2 3/4	M-14 x 2.0	0.014	1	14000	
STAINLESS						
BX574	2 3/4	5/8-11NC	0.014	1	14000	

3" BRIDLED CUP BRUSHES

- Aggressive tools for fast, heavy-duty cleaning and brushing of metal surfaces
- Removes carbon build up, paint, rust, scale and other contaminants
- Knot twisted with safety control bridle, removable bridle keep the knot oriented and extends brush life



Model No.	Brush Dia."	Arbor Hole"	Wire Gauge"	Trim Length"	Max RPM	Price /Each
STEEL						
NT969	3	5/8-11NC	0.020	5/8	12 000	
STAINLESS						
NT970	3	5/8-11NC	0.020	5/8	12 000	

CRIMPED WIRE CUP END BRUSHES

- Removes rust, paint and scale in hard-to-reach areas
- Crimped wire for light to medium-duty applications



Model No.	Brush Dia."	Fill Dia."	Shank Size"	Max RPM	Price /Each
STEEL					
NU465	1 3/4	0.012	1/4	25 000	
NU466	2 3/4	0.014	1/4	25 000	

KNOT WIRE CUP BRUSHES

OSBORN JACKSONLEA

Osborn® knot wire cup brushes are rugged, efficient tools for fast, heavy-duty cleaning of large metal surfaces. They are specially designed for use on portable tools and are filled with special analysis Osborn® steel wire. Knot type brushes are recommended for extremely rigorous jobs.

- Removal of weld scale, rust, old paint and corrosion
- Cleaning and surface prep of metals



STEEL

Model No.	Brush Dia."	Arbor Hole"	Wire Gauge"	Row Wide	Trim Length"	Max RPM	Price /Each
BX635	4	5/8-11NC	0.02	2	1	6000	
BX622	6	5/8-11NC	0.035	2	1 3/4	6000	

HIGH SPEED SMALL GRINDER

- Use on portable power tools operating at high speeds, or where uniform cleaning is desired
- Designed for high productivity and long life
- Knot style offers aggressive action
- Available in crimped, knotted and heavy-duty knotted styles
- Designed for 4 1/2" and 5" grinders



OSBORN JACKSONLEA

Model No.	Brush Dia."	Arbor Hole"	Colour	Wire Gauge"	Trim Length"	Max RPM	Price /Each
STEEL							
BX652	2 3/4	1/2-13NC	Black	0.014	7/8	14000	
BX653	2 3/4	5/8-11NC	Steel	0.014	7/8	14000	
BX650	2 3/4	M-10 x 1.25	Gold	0.014	7/8	14000	
BX651	2 3/4	M-10 x 1.5	Silver	0.014	7/8	14000	
STAINLESS							
BX659	2 3/4	5/8-11NC	Steel	0.014	7/8	14000	
BX656	2 3/4	M-10 x 1.25	Gold	0.014	7/8	14000	

TUBE/CRANKSHAFT BRUSHES

FELTON BRUSHES

- For cleaning out small tubes, drill holes or any other small spaces



Model No.	Brush Dia."	Brush Length"	O.A. Length"	Fill Dia."	Price /Each
STEEL					
NU511	1/4	1 1/2	7	0.003	
NU512	3/8	2	8	0.005	
NU513	1/2	2	8	0.005	
NU514	3/4	2 1/2	9	0.005	
NU515	1	3	10	0.008	
STAINLESS					
NU516	1/4	1 1/2	7	0.003	
NU517	3/8	2	8	0.005	
NU519	3/4	2 1/2	9	0.005	
NU520	1	3	10	0.008	
BRASS					
NU521	1/4	1 1/2	7	0.003	
NU522	3/8	2	8	0.005	
NU523	1/2	2	8	0.005	
NU524	3/4	2 1/2	9	0.005	
NU525	1	3	10	0.008	
NYLON					
NU526	1/4	4 1/2	12	0.010	
NU527	3/8	4 1/2	12	0.014	
NU528	1/2	4 1/2	12	0.014	
NU529	3/4	4 1/2	12	0.012	
NU530	1	4 1/2	12	0.014	
HAIR					
NU531	1/4	3 1/4	12	0.003	
NU532	3/8	3 1/4	12	0.003	
NU533	1/2	3 1/4	12	0.003	
NU534	3/4	3 1/4	12	0.003	
NU535	1	3 1/4	12	0.003	

KNOTTED WIRE WHEEL CUP BRUSHES

- Strong and effective for heavy duty cleaning
- Top-quality USA steel
- Removes weld scale, rust, old paint and corrosion
- Designed for the most rugged jobs



FELTON BRUSHES

Model No.	Brush Dia."	Fill Length"	Fill Dia."	Arbor Size"	Flared Dia.	RPM	Price /Each
STEEL							
TC030	2 3/4	1	0.014	5/8-11	3	14000	
NU445	2 3/4	1	0.020	5/8-11	3	14000	
TT306	3 1/2	1	0.020	5/8-11	3 3/4	12500	
TT286	4	1 1/4	0.014	5/8-11	4 1/4	9000	
TT287	4	1 1/4	0.020	5/8-11	4 1/4	9000	
TT288	4	1 1/4	0.035	5/8-11	4 1/4	9000	
NU446	5	1 3/8	0.020	5/8-11	5 1/4	7000	
STAINLESS							
NU444	2 3/4	1	0.014	5/8-11	3	14000	
TT279	2 3/4	1	0.020	5/8-11	3	14000	
TT290	4	1 1/4	0.020	5/8-11	4 1/4	9000	

FLUE BRUSHES

- Mainly used for pipe, boiler tube and flue cleaning
- Filled with round carbon steel wires
- Comes with a 1/4" NPT fitting

FELTON BRUSHES



Model No.	Brush Dia."	Brush Length"	O.A. Length"	Flue Dia."	Fill Dia."	Price /Each
NU496	1/2	4	7 1/2	3/4	0.012	
NU497	5/8	4	7 1/2	7/8	0.012	
NU498	3/4	4	7 1/2	1	0.012	
NU499	7/8	4	7 1/2	1 1/8	0.012	
NU500	1	4	7 1/2	1 1/4	0.012	
NU501	1 1/4	4	7 1/2	1 1/2	0.012	
NU502	1 1/2	4	7 1/2	1 3/4	0.012	
NU503	1 3/4	4	7 1/2	2 1/4	0.012	
NU393	2	4	7 1/2	2 1/4	0.012	
NU504	2 1/4	4	7 1/2	2 1/2	0.012	
NU505	2 1/2	4	7 1/2	2 3/4	0.012	
NU506	2 3/4	4	7 1/2	3	0.012	
NU507	3	4	7 1/2	3 1/4	0.012	
NU508	3 1/4	4	7 1/2	3 1/2	0.012	
NU509	3 1/2	4	7 1/2	3 3/4	0.012	
NU510	3 3/4	4	7 1/2	4	0.012	



JOBBER LENGTH – HIGH SPEED STEEL

CLARKSON OSBORN

HYPER

- Hyper series - maintenance duty
- Straight shank, 2 flute design
- Right hand cutting direction
- 118° point
- Black oxide finish



Applications:

General purpose machine and hand drilling in a variety of steels, alloys and other non-ferrous materials.

Model No.	Fractional Size"	Decimal Size"	L2"	L1"	Price /Each
QR954	3/64	0.0469	7/8	1 7/8	
QR955	1/16	0.0625	7/8	1 7/8	
QR927	5/64	0.0781	1	2	
QR925	3/32	0.0938	1 1/4	2 1/4	
QR919	7/64	0.1094	1 1/2	2 5/8	
QR953	1/8	0.1250	1 5/8	2 3/4	
QR920	9/64	0.1406	1 3/4	2 7/8	
QR921	5/32	0.1562	2	3 1/8	
QR922	11/64	0.1719	2 1/8	3 1/4	
QR923	3/16	0.1875	2 5/16	3 1/2	
QR924	13/64	0.2031	2 7/16	3 5/8	
QR936	7/32	0.2188	2 1/2	3 3/4	
QR926	15/64	0.2344	2 5/8	3 7/8	
QR917	1/4	0.2500	2 3/4	4	
QR928	17/64	0.2656	2 7/8	4 1/8	

Model No.	Fractional Size"	Decimal Size"	L2"	L1"	Price /Each
QR929	9/32	0.2812	2 15/16	4 1/4	
QR930	19/64	0.2969	3 1/16	4 3/8	
QR948	5/16	0.3125	3 3/16	4 1/2	
QR083	21/64	0.3281	3 5/16	4 5/8	
QR082	11/32	0.3438	3 7/16	4 3/4	
QR071	23/64	0.3594	3 1/2	4 7/8	
QR080	3/8	0.3750	3 5/8	5	
QR090	25/64	0.3906	3 3/4	5 1/8	
QR078	13/32	0.4062	3 7/8	5 1/4	
QR077	27/64	0.4219	3 15/16	5 3/8	
QR076	7/16	0.4375	4 1/16	5 1/2	
QR104	29/64	0.4531	4 3/16	5 5/8	
QR074	15/32	0.4688	4 5/16	5 3/4	
QR084	31/64	0.4844	4 3/8	5 7/8	
QR099	1/2	0.5000	4 1/2	6	

Model No.	Letter Size	Decimal Size"	L2"	L1"	Price /Each
BM802	A	0.2340	2 5/8	3 7/8	
BM803	B	0.2380	2 3/4	4	
BM804	C	0.2420	2 3/4	4	
BM805	D	0.2460	2 3/4	4	
BM806	E	0.2500	2 3/4	4	
BM807	F	0.2570	2 7/8	4 1/8	
BM808	G	0.2610	2 7/8	4 1/8	
BM809	H	0.2660	2 7/8	4 1/8	
BM810	I	0.2720	2 7/8	4 1/8	
BM811	J	0.2770	2 7/8	4 1/8	
BM812	K	0.2810	2 15/16	4 1/4	
BM813	L	0.2900	2 15/16	4 1/4	
BM814	M	0.2950	3 1/16	4 3/8	

Model No.	Letter Size	Decimal Size"	L2"	L1"	Price /Each
BM815	N	0.3020	3 1/16	4 3/8	
BM816	O	0.3160	3 3/16	4 1/2	
BM817	P	0.3230	3 5/16	4 5/8	
BM818	Q	0.3320	3 7/16	4 3/4	
BM819	R	0.3390	3 7/16	4 3/4	
BM820	S	0.3480	3 1/2	4 7/8	
BM821	T	0.3580	3 1/2	4 7/8	
BM822	U	0.3680	3 5/8	5	
BM823	V	0.3770	3 5/8	5	
BM824	W	0.3860	3 3/4	5 1/8	
BM825	X	0.3970	3 3/4	5 1/8	
BM826	Y	0.4040	3 7/8	5 1/4	
BM827	Z	0.4130	3 7/8	5 1/4	

Model No.	Wire Ga. Size	Decimal Size"	L2"	L1"	Price /Each
BM887	60	0.0400	11/16	1 5/8	
BM886	59	0.0410	11/16	1 5/8	
BM885	58	0.0420	11/16	1 5/8	
BM884	57	0.0430	3/4	1 3/4	
BM883	56	0.0465	3/4	1 3/4	
BM882	55	0.0520	7/8	1 7/8	
BM881	54	0.0550	7/8	1 7/8	
BM880	53	0.0595	7/8	1 7/8	
BM879	52	0.0635	7/8	1 7/8	
BM878	51	0.0670	1	2	
BM877	50	0.0700	1	2	
BM876	49	0.0730	1	2	
BM875	48	0.0760	1	2	
BM874	47	0.0785	1	2	
BM873	46	0.0810	1 1/8	2 1/8	
BM872	45	0.0820	1 1/8	2 1/8	
BM871	44	0.0860	1 1/8	2 1/8	
BM870	43	0.0890	1 1/4	2 1/4	
BM869	42	0.0935	1 1/4	2 1/4	
BM868	41	0.0960	1 3/8	2 3/8	
BM867	40	0.0980	1 3/8	2 3/8	
BM866	39	0.0995	1 3/8	2 3/8	
BM865	38	0.1015	1 7/16	2 1/2	
BM864	37	0.1040	1 7/16	2 1/2	
BM863	36	0.1065	1 7/16	2 1/2	
BM862	35	0.1100	1 1/2	2 5/8	
BM861	34	0.1110	1 1/2	2 5/8	
BM860	33	0.1130	1 1/2	2 5/8	
BM859	32	0.1160	1 5/8	2 3/4	
BM858	31	0.1200	1 5/8	2 3/4	

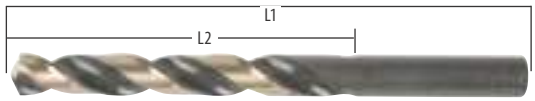
Model No.	Wire Ga. Size	Decimal Size"	L2"	L1"	Price /Each
BM857	30	0.1285	1 5/8	2 3/4	
BM856	29	0.1360	1 3/4	2 7/8	
BM855	28	0.1405	1 3/4	2 7/8	
BM854	27	0.1440	1 7/8	3	
BM853	26	0.1470	1 7/8	3	
BM852	25	0.1495	1 7/8	3	
BM851	24	0.1520	2	3 1/8	
BM850	23	0.1540	2	3 1/8	
BM849	22	0.1570	2	3 1/8	
BM848	21	0.1590	2 1/8	3 1/4	
BM847	20	0.1610	2 1/8	3 1/4	
BM846	19	0.1660	2 1/8	3 1/4	
BM845	18	0.1695	2 1/8	3 1/4	
BM844	17	0.1730	2 3/16	3 3/8	
BM843	16	0.1770	2 3/16	3 3/8	
BM842	15	0.1800	2 3/16	3 3/8	
BM841	14	0.1820	2 3/16	3 3/8	
BM840	13	0.1850	2 5/16	3 1/2	
BM839	12	0.1890	2 5/16	3 1/2	
BM838	11	0.1910	2 5/16	3 1/2	
BM837	10	0.1935	2 7/16	3 5/8	
BM836	9	0.1960	2 7/16	3 5/8	
BM835	8	0.1990	2 7/16	3 5/8	
BM834	7	0.2010	2 7/16	3 5/8	
BM833	6	0.2040	2 1/2	3 3/4	
BM832	5	0.2055	2 1/2	3 3/4	
BM831	4	0.2090	2 1/2	3 3/4	
BM830	3	0.2130	2 1/2	3 3/4	
BM829	2	0.2210	2 5/8	3 7/8	
BM828	1	0.2280	2 5/8	3 7/8	

JOBBER LENGTH – HIGH SPEED STEEL

CLARKSON OSBORN

BLACK & GOLD

- Industrial-duty
- Straight shank, 2-flute design
- Right hand cutting direction
- 135° split point, self-centering eliminates walking
- Two-tone treatment increases resistance to abrasion and chip flow



Applications:

General purpose and heavy drilling operations. Ideal for ferrous metals: steel, cast iron, ferrous metals and alloys, non-metallic material.

Model No.	Fractional Size"	Decimal Size"	L2"	L1"	Price /Each
QD657	1/64	0.0156	3/16	13/16	
QD658	1/32	0.0312	13/32	1 3/16	
QD659	3/64	0.0469	7/8	1 7/8	
QD660	1/16	0.0625	7/8	1 7/8	
QD661	5/64	0.0781	1	2	
QD662	3/32	0.0938	1 1/4	2 1/4	
QD663	7/64	0.1094	1 1/2	2 5/8	
QD664	1/8	0.1250	1 5/8	2 3/4	
QD665	9/64	0.1406	1 3/4	2 7/8	
QD666	5/32	0.1562	2	3 1/8	
QD667	11/64	0.1719	2 1/8	3 1/4	
QD668	3/16	0.1875	2 5/16	3 1/2	
QD669	13/64	0.2031	2 7/16	3 5/8	
QD670	7/32	0.2188	2 1/2	3 3/4	
QD671	15/64	0.2344	2 5/8	3 7/8	
QD672	1/4	0.2500	2 3/4	4	
QD673	17/64	0.2656	2 7/8	4 1/8	
QD674	9/32	0.2812	2 15/16	4 1/4	
QD675	19/64	0.2969	3 1/16	4 3/8	
QD676	5/16	0.3125	2 3/16	4 1/2	
QD677	21/64	0.3281	3 5/16	4 5/8	
QD678	11/32	0.3438	3 7/16	4 3/4	
QD679	23/64	0.3594	3 1/2	4 7/8	

Model No.	Fractional Size"	Decimal Size"	L2"	L1"	Price /Each
QD680	3/8	0.3750	3 5/8	5	
QD681	25/64	0.3906	3 3/4	5 1/8	
QD682	13/32	0.4062	3 7/8	5 1/4	
QD683	27/64	0.4219	3 15/16	5 3/8	
QD684	7/16	0.4375	4 1/16	5 1/2	
QD685	29/64	0.4531	4 3/16	5 5/8	
QD686	15/32	0.4688	4 5/16	5 3/4	
QD687	31/64	0.4844	4 3/8	5 7/8	
QD688	1/2	0.5000	4 1/2	6	
BF590	33/64	0.5156	4 13/16	6 5/8	
BF591	17/32	0.5313	4 13/16	6 5/8	
BF592	35/64	0.5469	4 13/16	6 5/8	
BF593	9/16	0.5625	4 13/16	6 5/8	
BF594	37/64	0.5781	4 13/16	6 5/8	
BF595	19/32	0.5938	5 3/16	7 1/8	
BF596	39/64	0.6094	5 3/16	7 1/8	
BF597	5/8	0.6250	5 3/16	7 1/8	
BF598	41/64	0.6406	5 3/16	7 1/8	
BF599	21/32	0.6563	5 3/16	7 1/8	
BF600	43/64	0.6719	5 5/8	7 5/8	
BF601	11/16	0.6875	5 5/8	7 5/8	
BF602	3/4	0.7500	5 1/2	8 1/16	

Model No.	Wire Ga. Size	Decimal Size"	L2"	L1"	Price /Each
BF675	80	0.0135	5/32	3/4	
BF674	79	0.0145	5/32	3/4	
BF673	78	0.0160	3/16	13/16	
BF672	77	0.0180	3/16	13/16	
BF671	76	0.0200	1/4	7/8	
BF670	75	0.0210	9/32	15/16	
BF669	74	0.0225	9/32	15/16	
BF668	73	0.0240	5/16	1	
BF667	72	0.0250	5/16	1	
BF666	71	0.0260	5/16	1	
BF665	70	0.0280	11/32	1 1/8	
BF664	69	0.0292	11/32	1 1/8	
BF663	68	0.0310	13/32	1 3/16	
BF662	67	0.0320	13/32	1 3/16	
BF661	66	0.0330	13/32	1 3/16	
QD721	65	0.0350	7/16	1 1/4	
BF660	64	0.0360	7/16	1 1/4	
BF659	63	0.0370	7/16	1 1/4	
BF658	62	0.0380	15/32	1 5/16	
BF657	61	0.0390	15/32	1 5/16	
BF656	60	0.0400	11/16	1 5/8	
BF655	59	0.0410	11/16	1 5/8	
BF654	58	0.0420	11/16	1 5/8	
BF653	57	0.0430	3/4	1 3/4	
BF652	56	0.0465	3/4	1 3/4	
BF651	55	0.0520	7/8	1 7/8	
BF650	54	0.0550	7/8	1 7/8	
BF649	53	0.0595	7/8	1 7/8	
BF648	52	0.0635	7/8	1 7/8	
QD720	51	0.0670	1	2	
BF647	50	0.0700	1	2	
QD719	49	0.0730	1	2	
BF646	48	0.0760	1	2	
QD718	47	0.0785	1	2	
BF645	46	0.0810	1 1/8	2 1/8	
BF644	45	0.0820	1 1/8	2 1/8	
BF643	44	0.0860	1 1/8	2 1/8	
QD717	43	0.0890	1 1/4	2 1/4	
QD716	42	0.0935	1 1/4	2 1/4	
BF642	41	0.0960	1 3/8	2 3/8	

Model No.	Wire Ga. Size	Decimal Size"	L2"	L1"	Price /Each
BF641	40	0.0980	1 3/8	2 3/8	
QD715	39	0.0995	1 3/8	2 3/8	
BF640	38	0.1015	1 7/16	2 1/2	
BF639	37	0.1040	1 7/16	2 1/2	
QD714	36	0.1065	1 7/16	2 1/2	
QD713	35	0.1100	1 1/2	2 5/8	
BF638	34	0.1110	1 1/2	2 5/8	
BF637	33	0.1130	1 1/2	2 5/8	
QD712	32	0.1160	1 5/8	2 3/4	
QD711	31	0.1200	1 5/8	2 3/4	
QD709	29	0.1360	1 3/4	2 7/8	
BF636	28	0.1405	1 3/4	2 7/8	
BF635	27	0.1440	1 7/8	3	
QD708	26	0.1470	1 7/8	3	
QD707	25	0.1495	1 7/8	3	
QD706	24	0.1520	2	3 1/8	
QD705	23	0.1540	2	3 1/8	
QD704	22	0.1570	2	3 1/8	
QD703	21	0.1590	2 1/8	3 1/4	
QD702	20	0.1610	2 1/8	3 1/4	
BF634	19	0.1660	2 1/8	3 1/4	
QD701	18	0.1695	2 1/8	3 1/4	
BF633	17	0.1730	2 3/16	3 3/8	
QD700	16	0.1770	2 3/16	3 3/8	
QD699	15	0.1800	2 3/16	3 3/8	
QD698	14	0.1820	2 3/16	3 3/8	
QD697	13	0.1850	2 5/16	3 1/2	
QD696	12	0.1890	2 5/16	3 1/2	
QD695	11	0.1910	2 5/16	3 1/2	
QD694	10	0.1935	2 7/16	3 5/8	
BF632	9	0.1960	2 7/16	3 5/8	
BF631	8	0.1990	2 7/16	3 5/8	
QD693	7	0.2010	2 7/16	3 5/8	
BF630	6	0.2040	2 1/2	3 3/4	
BF629	5	0.2055	2 1/2	3 3/4	
QD692	4	0.2090	2 1/2	3 3/4	
QD691	3	0.2130	2 1/2	3 3/4	
BF628	2	0.2210	2 5/8	3 7/8	
BF627	1	0.2280	2 5/8	3 7/8	

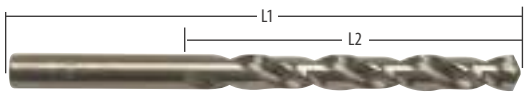
Model No.	Letter Size	Decimal Size"	L2"	L1"	Price /Each
BF603	A	0.2340	2 5/8	3 7/8	
BF604	B	0.2380	2 3/4	4	
BF605	C	0.2420	2 3/4	4	
BF606	D	0.2460	2 3/4	4	
-	E	0.2500	2 3/4	4	-
BF608	F	0.2570	2 7/8	4 1/8	
BF609	G	0.2610	2 7/8	4 1/8	
BF610	H	0.2660	2 7/8	4 1/8	
BF611	I	0.2720	2 7/8	4 1/8	
BF612	J	0.2770	2 7/8	4 1/8	
BF613	K	0.2810	2 15/16	4 1/4	
BF614	L	0.2900	2 15/16	4 1/4	
BF615	M	0.2950	3 1/16	4 3/8	

Model No.	Letter Size	Decimal Size"	L2"	L1"	Price /Each
QD689	N	0.3020	3 1/16	4 3/8	
BF616	O	0.3160	3 3/16	4 1/2	
BF617	P	0.3230	3 5/16	4 5/8	
BF618	Q	0.3320	3 7/16	4 3/4	
BF619	R	0.3390	3 7/16	4 3/4	
QD690	S	0.3480	3 1/2	4 7/8	
BF620	T	0.3580	3 1/2	4 7/8	
BF621	U	0.3680	3 5/8	5	
BF622	V	0.3770	3 5/8	5	
BF623	W	0.3860	3 3/4	5 1/8	
BF624	X	0.3970	3 3/4	5 1/8	
BF625	Y	0.4040	3 7/8	5 1/4	
BF626	Z	0.4130	3 7/8	5 1/4	

JOBBER LENGTH – COBALT

CLARKSON OSBORN

- M42 cobalt provides wear and heat resistance
- Straight shank , 2 flute design
- Right hand cutting direction
- 135° split point, self-centring eliminates walking
- Bright finish



Applications

For general purpose drilling to heavy-duty operations in high tensile strength steel and alloys, stainless steels and other ferrous metals.

Model No.	Fractional Size"	Decimal Size"	L2"	L1"	Price /Each
BG098	1/64	0.0156	3/16	13/16	
BG099	1/32	0.0312	13/32	1 3/16	
BG100	3/64	0.0469	5/8	1 1/2	
BG101	1/16	0.0625	25/32	1 11/16	
BG102	5/64	0.0781	15/16	1 15/16	
BG103	3/32	0.0938	1 3/16	2 1/4	
BG104	7/64	0.1094	1 5/16	2 13/32	
BG105	1/8	0.1250	1 7/16	2 9/16	
QD740	9/64	0.1406	1 17/32	2 3/4	
BG106	5/32	0.1562	1 11/16	2 15/16	
BG107	11/64	0.1719	1 27/32	3 5/32	
BG108	3/16	0.1875	2 1/16	3 3/8	
BG109	13/64	0.2031	2 1/16	3 3/8	
BG110	7/32	0.2188	2 1/4	3 21/32	
BG111	15/64	0.2344	2 1/4	3 21/32	
BG112	1/4	0.2500	2 1/2	3 31/32	

Model No.	Fractional Size"	Decimal Size"	L2"	L1"	Price /Each
BG113	17/64	0.2656	2 23/32	4 9/32	
BG114	9/32	0.2812	2 23/32	4 9/32	
BG115	19/64	0.2969	2 15/16	4 19/32	
BG116	5/16	0.3125	2 15/16	4 19/32	
BG117	21/64	0.3281	2 15/16	4 19/32	
QD741	11/32	0.3438	3 3/16	4 29/32	
BG118	23/64	0.3594	3 3/16	4 29/32	
BG119	3/8	0.3750	3 7/16	5 1/4	
BG120	25/64	0.3906	3 7/16	5 1/4	
BG121	13/32	0.4062	3 7/16	5 1/4	
BG122	27/64	0.4219	3 11/16	5 9/32	
QD742	7/16	0.4375	3 11/16	5 9/32	
BG123	29/64	0.4531	3 11/16	5 9/32	
BG124	15/32	0.4688	3 31/32	5 15/16	
BG125	31/64	0.4844	3 31/32	5 15/16	
BG126	1/2	0.5000	3 31/32	5 15/16	

Model No.	Letter Size	Decimal Size"	L2"	L1"	Price /Each
BG127	A	0.2340	2 5/8	3 7/8	
BG128	B	0.2380	2 3/4	4	
BG129	C	0.2420	2 3/4	4	
BG130	D	0.2460	2 3/4	4	
BG112	E	0.2500	2 1/2	3 31/32	
BG131	F	0.2570	2 7/8	4 1/8	
BG132	G	0.2610	2 7/8	4 1/8	
BG133	H	0.2660	2 7/8	4 1/8	
BG134	I	0.2720	2 7/8	4 1/8	
BG135	J	0.2770	2 7/8	4 1/8	
BG136	K	0.2810	2 15/16	4 1/4	
BG137	L	0.2900	2 15/16	4 1/4	
BG138	M	0.2950	3 1/16	4 3/8	

Model No.	Letter Size	Decimal Size"	L2"	L1"	Price /Each
BG139	N	0.3020	3 1/16	4 3/8	
BG140	O	0.3160	3 3/16	4 1/2	
BG141	P	0.3230	3 5/16	4 5/8	
BG142	Q	0.3320	3 7/16	4 3/4	
BG143	R	0.3390	3 7/16	4 3/4	
BG144	S	0.3480	3 1/2	4 7/8	
BG145	T	0.3580	3 1/2	4 7/8	
BG146	U	0.3680	3 5/8	5	
BG147	V	0.3770	3 5/8	5	
BG148	W	0.3860	3 3/4	5 1/8	
BG149	X	0.3970	3 3/4	5 1/8	
BG150	Y	0.4040	3 7/8	5 1/4	
BG151	Z	0.4130	3 7/8	5 1/4	

Model No.	Wire Gauge Size	Decimal Size"	L2"	L1"	Price /Each
BG211	60	0.0400	15/32	1 5/16	
BG210	59	0.0410	15/32	1 5/16	
BG209	58	0.0420	9/16	1 7/16	
BG208	57	0.0430	9/16	1 7/16	
BG207	56	0.0465	5/8	1 1/2	
BG206	55	0.0520	5/8	1 1/2	
BG205	54	0.0550	11/16	1 9/16	
BG204	53	0.0595	25/32	1 11/16	
BG203	52	0.0635	25/32	1 11/16	
BG202	51	0.0670	7/8	1 13/16	
BG201	50	0.0700	7/8	1 13/16	
BG200	49	0.0730	7/8	1 13/16	
BG199	48	0.0760	15/16	1 15/16	
BG198	47	0.0785	15/16	1 15/16	
BG197	46	0.0810	15/16	1 15/16	
BG196	45	0.0820	15/16	1 15/16	
BG195	44	0.0860	1 1/16	2 3/32	
BG194	43	0.0890	1 1/16	2 3/32	
BG193	42	0.0935	1 3/16	2 1/4	
BG192	41	0.0960	1 3/16	2 1/4	
BG191	40	0.0980	1 3/16	2 1/4	
BG190	39	0.0995	1 3/16	2 1/4	
BG189	38	0.1015	1 3/16	2 1/4	
BG188	37	0.1040	1 3/16	2 1/4	
BG187	36	0.1065	1 5/16	2 13/32	
BG186	35	0.1100	1 5/16	2 13/32	
BG185	34	0.1110	1 5/16	2 13/32	
BG184	33	0.1130	1 5/16	2 13/32	
BG183	32	0.1160	1 5/16	2 13/32	
BG182	31	0.1200	1 7/16	2 9/16	

Model No.	Wire Gauge Size	Decimal Size"	L2"	L1"	Price /Each
BG181	30	0.1285	1 7/16	2 9/16	
BG180	29	0.1360	1 17/32	2 3/4	
BG179	28	0.1405	1 17/32	2 3/4	
BG178	27	0.1440	1 17/32	2 3/4	
BG177	26	0.1470	1 17/32	2 3/4	
BG176	25	0.1495	1 11/16	2 15/16	
BG175	24	0.1520	1 11/16	2 15/16	
BG174	23	0.1540	1 11/16	2 15/16	
BG173	22	0.1570	1 11/16	2 15/16	
BG172	21	0.1590	1 11/16	2 15/16	
BG171	20	0.1610	1 11/16	2 15/16	
BG170	19	0.1660	1 11/16	2 15/16	
BG169	18	0.1695	1 27/32	3 5/32	
BG168	17	0.1730	1 27/32	3 5/32	
BG167	16	0.1770	1 27/32	3 5/32	
BG166	15	0.1800	1 27/32	3 5/32	
BG165	14	0.1820	1 27/32	3 5/32	
BG164	13	0.1850	1 27/32	3 5/32	
BG163	12	0.1890	2 1/16	3 3/8	
BG162	11	0.1910	2 1/16	3 3/8	
BG161	10	0.1935	2 1/16	3 3/8	
BG160	9	0.1960	2 1/16	3 3/8	
BG159	8	0.1990	2 1/16	3 3/8	
BG158	7	0.2010	2 1/16	3 3/8	
BG157	6	0.2040	2 1/16	3 3/8	
BG156	5	0.2055	2 1/16	3 3/8	
BG155	4	0.2090	2 1/4	3 21/32	
BG154	3	0.2130	2 1/4	3 21/32	
BG153	2	0.2210	2 1/4	3 21/32	
BG152	1	0.2280	2 1/4	3 21/32	

JOBBER LENGTH – COBALT (CONT'D)

CLARKSON OSBORN

Model No.	Size mm	DEC	L2 mm	L1 mm	Price /Each
BI021	1.00	0.0394	12.0	34.0	
BI022	1.50	0.0591	18.0	40.0	
BI023	1.60	0.0630	20.0	43.0	
BI024	1.70	0.0669	20.0	43.0	
BI025	1.80	0.0709	22.0	46.0	
BI026	1.90	0.0748	22.0	46.0	
BI027	2.00	0.0787	24.0	49.0	
BI028	2.10	0.0827	24.0	49.0	
BI029	2.20	0.0866	27.0	53.0	
BI030	2.25	0.0886	27.0	53.0	
BI031	2.30	0.0906	27.0	53.0	
BI032	2.40	0.0945	30.0	57.0	
BI033	2.50	0.0984	30.0	57.0	
BI034	2.60	0.1024	30.0	57.0	
BI035	2.70	0.1063	33.0	61.0	
BI036	2.80	0.1102	33.0	61.0	
BI037	2.90	0.1142	33.0	61.0	
BI038	3.00	0.1181	33.0	61.0	
BI039	3.10	0.1220	36.0	65.0	
BI040	3.20	0.1260	36.0	65.0	
BI041	3.30	0.1299	36.0	65.0	
BI042	3.40	0.1339	39.0	70.0	
BI043	3.50	0.1378	39.0	70.0	
BI044	3.60	0.1417	39.0	70.0	
BI045	3.70	0.1457	39.0	70.0	
BI046	3.75	0.1476	39.0	70.0	
BI047	3.80	0.1496	43.0	75.0	
BI048	3.90	0.1535	43.0	75.0	
BI049	4.00	0.1575	43.0	75.0	
BI050	4.10	0.1614	43.0	75.0	
BI051	4.20	0.1654	43.0	75.0	
BI052	4.25	0.1673	43.0	75.0	
BI053	4.30	0.1693	47.0	80.0	
BI054	4.40	0.1732	47.0	80.0	
BI055	4.50	0.1772	47.0	80.0	
BI056	4.60	0.1811	47.0	80.0	
BI057	4.70	0.1850	47.0	80.0	
BI058	4.80	0.1890	52.0	86.0	
BI059	4.90	0.1929	52.0	86.0	
BI060	5.00	0.1969	52.0	86.0	
BI061	5.10	0.2008	52.0	86.0	
BI062	5.20	0.2047	52.0	86.0	
BI063	5.30	0.2087	52.0	86.0	
BI064	5.40	0.2126	57.0	93.0	
BI065	5.50	0.2165	57.0	93.0	
BI066	5.60	0.2205	57.0	93.0	
BI067	5.70	0.2244	57.0	93.0	
TBL002	5.80	0.2283	57.0	93.0	
TBL003	5.90	0.2323	57.0	93.0	
BI068	6.00	0.2362	57.0	93.0	
BI069	6.10	0.2402	63.0	101.0	
BI070	6.20	0.2441	63.0	101.0	
BI071	6.30	0.2480	63.0	101.0	
BI072	6.40	0.2520	63.0	101.0	
BI073	6.50	0.2559	63.0	101.0	
BI074	6.60	0.2598	63.0	101.0	
TBL004	6.70	0.2638	63.0	101.0	
BI075	6.80	0.2677	69.0	109.0	
BI076	6.90	0.2717	69.0	109.0	
BI077	7.00	0.2756	69.0	109.0	
TBL005	7.10	0.2795	69.0	109.0	
BI078	7.20	0.2835	69.0	109.0	
BI079	7.30	0.2874	69.0	109.0	
BI080	7.40	0.2913	69.0	109.0	
BI081	7.50	0.2953	69.0	109.0	
BI082	7.60	0.2992	75.0	117.0	
BI083	7.70	0.3031	75.0	117.0	
BI084	7.80	0.3071	75.0	117.0	
BI085	7.90	0.3110	75.0	117.0	
BI086	8.00	0.3150	75.0	117.0	
BI087	8.10	0.3189	75.0	117.0	
BI088	8.20	0.3228	75.0	117.0	
BI089	8.30	0.3268	75.0	117.0	
BI090	8.40	0.3307	75.0	117.0	
BI091	8.50	0.3346	75.0	117.0	
BI092	8.60	0.3386	81.0	125.0	
BI093	8.70	0.3425	81.0	125.0	
BI094	8.80	0.3465	81.0	125.0	
BI095	8.90	0.3504	81.0	125.0	
BI096	9.00	0.3543	81.0	125.0	
BI097	9.10	0.3583	81.0	125.0	
BI098	9.20	0.3622	81.0	125.0	
BI099	9.30	0.3661	81.0	125.0	
BI100	9.40	0.3701	81.0	125.0	
BI101	9.50	0.3740	81.0	125.0	
TBL006	9.60	0.3780	87.0	133.0	
BI102	9.70	0.3819	87.0	133.0	
BI103	9.80	0.3858	87.0	133.0	
BI104	9.90	0.3898	87.0	133.0	
BI105	10.00	0.3937	87.0	133.0	
BI106	10.10	0.3976	87.0	133.0	
BI107	10.20	0.4016	87.0	133.0	
BI108	10.30	0.4055	87.0	133.0	
BI109	10.40	0.4094	87.0	133.0	
BI110	10.50	0.4134	87.0	133.0	
BI111	10.60	0.4173	87.0	133.0	
BI112	10.70	0.4213	94.0	142.0	
BI113	10.80	0.4252	94.0	142.0	
BI114	10.90	0.4291	94.0	142.0	
BI115	11.00	0.4331	94.0	142.0	
BI116	11.10	0.4370	94.0	142.0	
BI117	11.20	0.4409	94.0	142.0	
BI118	11.30	0.4449	94.0	142.0	
BI119	11.40	0.4488	94.0	142.0	
BI120	11.50	0.4528	94.0	142.0	
BI121	11.60	0.4567	94.0	142.0	
BI122	11.70	0.4606	94.0	142.0	
BI123	11.80	0.4646	94.0	142.0	
BI124	11.90	0.4685	101.0	151.0	
BI125	12.00	0.4724	101.0	151.0	
BI126	12.10	0.4764	101.0	151.0	
BI127	12.20	0.4803	101.0	151.0	
BI128	12.30	0.4843	101.0	151.0	
BI129	12.40	0.4882	101.0	151.0	
BI130	12.50	0.4921	101.0	151.0	
BI131	13.00	0.5118	101.0	151.0	
BI132	13.50	0.5315	101.0	151.0	
BI133	14.00	0.5512	101.0	151.0	
BI134	14.50	0.5709	114.0	169.0	





AIRCRAFT EXTENSION DRILLS

CLARKSON OSBORN

- NAS907B (National Aerospace Standard)
- M7 high speed steel
- Right hand cutting direction, standard spiral
- 135° split point, self-centring eliminates walking
- Black oxide finish



Application

Portable or machine drilling in hard steels, stainless steel and other hard materials.

FRACTIONAL SIZES

Fractional Size"	L2"	6" Model No.	Price /Each	12" Model No.	Price /Each
3/64	3/4	BH521		TBL179	
1/16	7/8	BH522		BH584	
5/64	1	BH523		BH585	
3/32	1 1/4	BH524		BH586	
7/64	1 1/2	BH525		BH587	
1/8	1 5/8	BH526		BH588	
9/64	1 3/4	BH527		TBL180	
5/32	2	BH528		BH589	
11/64	2 1/8	BH529		BH590	
3/16	2 5/16	BH530		BH591	
13/64	2 7/16	BH531		TBL181	
7/32	2 1/2	BH532		BH592	
15/64	2 5/8	BH533		TBL182	
1/4	2 3/4	BH534		BH593	
17/64	2 7/8	BH535		TBL183	

Fractional Size"	L2"	6" Model No.	Price /Each	12" Model No.	Price /Each
9/32	2 15/16	BH536		BH594	
19/64	3 1/16	BH537		TBL184	
5/16	3 3/16	BH538		BH595	
21/64	3 5/16	TBL160		TBL185	
11/32	3 7/16	BH539		BH596	
23/64	3 1/2	TBL161		TBL186	
3/8	3 5/8	BH540		BH597	
25/64	3 3/4	TBL162		BH598	
13/32	3 7/8	TBL163		BH599	
27/64	3 15/16	BH541		TBL187	
7/16	4 1/16	TBL164		BH600	
29/64	4 3/16	TBL165		BH601	
15/32	4 5/16	TBL166		BH602	
31/64	4 3/8	TBL167		BH603	
1/2	4 1/2	TBL168		BH604	

NUMBER GAUGE SIZES

Number Size	L2"	6" Model No.	Price /Each	12" Model No.	Price /Each
1	2 5/8	BH549		TBL188	
2	2 5/8	BH550		TBL189	
3	2 1/2	BH551		BH631	
4	2 1/2	TBL169		BH632	
5	2 1/2	BH552		BH633	
6	2 1/2	TBL170		BH634	
7	2 7/16	BH553		BH635	
8	2 7/16	BH554		BH636	
9	2 7/16	BH555		BH637	
10	2 7/16	BH556		BH638	
11	2 5/16	BH557		BH639	
12	2 5/16	BH558		BH640	
13	2 5/16	BH559		BH641	
14	2 3/16	BH560		BH642	
15	2 3/16	TBL171		BH643	
16	2 3/16	TBL172		BH644	
17	2 3/16	TBL173		BH645	
18	2 1/8	BH561		BH646	
19	2 1/8	TBL174		BH647	
20	2 1/8	BH562		BH648	
21	2 1/8	BH563		BH649	
22	2	BH565		BH650	
23	2	TBL175		BH651	
24	2	TBL176		BH652	
25	1 7/8	BH566		BH653	
26	1 7/8	TBL177		BH654	
27	1 7/8	BH567		BH655	
28	1 3/4	TBL178		BH656	
29	1 3/4	BH568		BH657	
30	1 5/8	BH569		BH658	

Number Size	L2"	6" Model No.	Price /Each	12" Model No.	Price /Each
31	1 5/8	BH570		BH659	
32	1 5/8	TBL190		BH660	
33	1 1/2	TBL191		BH661	
34	1 1/2	TBL192		BH662	
35	1 1/2	TBL193		BH663	
36	1 7/16	BH571		BH664	
37	1 7/16	TBL194		BH665	
38	1 7/16	TBL195		BH666	
39	1 3/8	BH572		BH667	
40	1 3/8	BH573		BH668	
41	1 3/8	TBL196		TBL225	
42	1 1/4	BH574		TBL226	
43	1 1/4	BH575		TBL227	
44	1 1/8	TBL197		TBL228	
45	1 1/8	TBL198		TBL229	
46	1 1/8	BH576		TBL230	
47	1	BH577		TBL231	
48	1	TBL199		TBL232	
49	1	TBL200		BH669	
50	1	TBL201		TBL233	
51	1	BH578		TBL234	
52	7/8	BH579		BH670	
53	7/8	BH580		TBL235	
54	7/8	BH581		TBL236	
55	7/8	BH582		TBL237	
56	3/4	TBL202		TBL238	
57	3/4	TBL203		TBL239	
58	11/16	BH583		BH671	
59	11/16	TBL204		TBL240	
60	11/16	TBL205		TBL241	

LETTER GAUGE SIZES

Letter Size	L2"	6" Model No.	Price /Each	12" Model No.	Price /Each
A	2 5/8	TBL206		BH605	
B	2 3/4	BH542		BH606	
C	2 3/4	TBL207		BH607	
D	2 3/4	BH543		BH608	
E	2 3/4	BH534		BH593	
F	2 7/8	BH544		BH610	
G	2 7/8	TBL209		BH611	
H	2 7/8	BH545		BH612	
I	2 7/8	TBL210		BH613	
J	2 7/8	TBL211		BH614	
K	2 15/16	TBL212		BH615	
L	2 15/16	TBL213		BH616	
M	3 1/16	TBL214		BH617	

Letter Size	L2"	6" Model No.	Price /Each	12" Model No.	Price /Each
N	3 1/16	BH546		BH618	
O	3 3/16	BH547		BH619	
P	3 5/16	TBL215		BH620	
Q	3 7/16	TBL216		BH621	
R	3 7/16	TBL217		BH622	
S	3 1/2	TBL218		BH623	
T	3 1/2	TBL219		BH624	
U	3 5/8	BH548		BH625	
V	3 5/8	TBL220		BH626	
W	3 3/4	TBL221		BH627	
X	3 3/4	TBL222		BH628	
V	3 7/8	TBL223		BH629	
Z	3 7/8	TBL224		BH630	

TAPER LENGTH DRILLS

- High speed steel
- 118° angle point
- 2-flute design
- Black oxyde finish

Applications:

Taper length drills are general purpose drills with increased cutting length. They are manufactured with straight shanks of the same diameter as that of the flute diameter.

CLARKSON OSBORN



Model No.	Fractional Size"	Decimal Size" Equiv	L2"	L1"	Price /Each
BG665	1/16	0.0625	1 3/4	3	
BG667	3/32	0.0938	2 1/4	4 1/4	
BG668	7/64	0.1094	2 1/2	4 5/8	
BG669	1/8	0.1250	2 3/4	5 1/8	
BG670	9/64	0.1406	3	5 3/8	
BG671	5/32	0.1562	3	5 3/8	
BG672	11/64	0.1719	3 3/8	5 3/4	
BG673	3/16	0.1875	3 3/8	5 3/4	
BG674	13/64	0.2031	3 5/8	6	
BG675	7/32	0.2188	3 5/8	6	
BG676	15/64	0.2344	3 3/4	6 1/8	
BG677	1/4	0.2500	3 3/4	6 1/8	
BG678	17/64	0.2656	3 7/8	6 1/4	
BG679	9/32	0.2812	3 7/8	6 1/4	
BG680	19/64	0.2969	4	6 3/8	
BG681	5/16	0.3125	4	6 3/8	

Model No.	Fractional Size"	Decimal Size" Equiv	Flute Length"	Overall Length"	Price /Each
BG682	21/64	0.3281	4 1/8	6 1/2	
BG683	11/32	0.3438	4 1/8	6 1/2	
BG684	23/64	0.3594	4 1/4	6 3/4	
BG685	3/8	0.3750	4 1/4	6 3/4	
BG686	25/64	0.3906	4 3/8	7	
BG687	13/32	0.4062	4 3/8	7	
BG688	27/64	0.4219	4 5/8	7 1/4	
BG689	7/16	0.4375	4 5/8	7 1/4	
BG690	29/64	0.4531	4 3/4	7 1/2	
BG691	15/32	0.4688	4 3/4	7 1/2	
BG692	31/64	0.4844	4 3/4	7 3/4	
BG693	1/2	0.5000	4 3/4	7 3/4	
BG694	33/64	0.5156	4 3/4	8	
BG695	17/32	0.5312	4 3/4	8	
BG696	35/64	0.5469	4 7/8	8 1/4	
BG697	9/16	0.5625	4 7/8	8 1/4	
BG698	37/64	0.5781	4 7/8	8 3/4	
BG699	19/32	0.5938	4 7/8	8 3/4	
BG700	39/64	0.6094	4 7/8	8 3/4	
BG701	5/8	0.6250	4 7/8	8 3/4	

REDUCED SHANK DRILL BITS – HIGH SPEED STEEL

- Hyper series - maintenance duty
- 1/2" shank
- Right hand cutting direction
- 118° point, 2-flute design
- Black oxide finish

Applications:

General purpose machine drilling of larger diameter holes in steels, cast iron, alloys and other ferrous and non-ferrous materials.

Model No. BN052 5 pc set; 9/16, 5/8, 3/4, 7/8, 1

Model No. BN053 8 pc set; 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1



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Model No.	Fractional Size"	L2"	L1"	Price /Each
BN029	33/64	3	6	
QR069	17/32	3	6	
BN030	35/64	3	6	
QR189	9/16	3	6	
BN031	37/64	3	6	
QR062	19/32	3	6	
BN032	39/64	3	6	
QR041	5/8	3	6	
BN033	41/64	3	6	
QR039	21/32	3	6	
BN034	43/64	3	6	
QR059	11/16	3	6	
BN035	45/64	3	6	
QR063	23/32	3	6	
BN036	47/64	3	6	
QR033	3/4	3	6	
BN037	49/64	3	6	
QR037	25/32	3	6	
BN038	51/64	3	6	
QR034	13/16	3	6	

Model No.	Fractional Size"	L2"	L1"	Price /Each
BN045	53/64	3	6	
BN039	27/32	3	6	
BN046	55/64	3	6	
QR035	7/8	3	6	
BN047	57/64	3	6	
BN040	29/32	3	6	
BN048	59/64	3	6	
QR065	15/16	3	6	
BN049	61/64	3	6	
BN041	31/32	3	6	
BN050	63/64	3	6	
QR036	1	3	6	
QR053	1 1/16	3	6	
QR067	1 1/8	3	6	
QR068	1 3/16	3	6	
QR056	1 1/4	3	6	
BN051	1 5/16	3	6	
BN042	1 3/8	3	6	
BN043	1 7/16	3	6	
BN044	1 1/2	3	6	



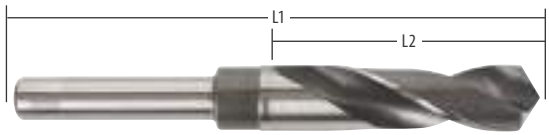
REDUCED SHANK DRILL BITS – HIGH SPEED STEEL

CLARKSON OSBORN

- Industrial duty
- 1/2" shank
- Right hand cutting direction
- 118° point, 2-flute design
- Black oxide& bright finish

Applications:

General purpose machine drilling of larger diameter holes in steels, cast iron, alloys and other ferrous and non-ferrous materials.



FRACTIONAL SIZES

Model No.	Fractional Size"	Decimal Size" Equiv	L2"	L1"	Price /Each
BH387	17/32	0.5313	3	6	
BH388	9/16	0.5625	3	6	
BH389	19/32	0.5938	3	6	
BH390	5/8	0.6250	3	6	
BH391	21/32	0.6563	3	6	
BH392	11/16	0.6875	3	6	
BH393	23/32	0.7188	3	6	
BH394	3/4	0.7500	3	6	
BH395	25/32	0.7813	3	6	
BH396	13/16	0.8125	3	6	
BH397	27/32	0.8438	3	6	
BH398	7/8	0.8750	3	6	
BH399	29/32	0.9063	3	6	

Model No.	Fractional Size"	Decimal Size" Equiv	L2"	L1"	Price /Each
BH400	15/16	0.9375	3	6	
BH401	31/32	0.9688	3	6	
BH402	1	1.0000	3	6	
BH403	1 1/32	1.0313	3	6	
BH404	1 1/16	1.0625	3	6	
BH405	1 3/32	1.0938	3	6	
BH406	1 1/8	1.1250	3	6	
BH407	1 5/32	1.1563	3	6	
BH408	1 3/16	1.1875	3	6	
BH409	1 1/4	1.2500	3	6	
BH411	1 3/8	1.3750	3	6	
BH412	1 1/2	1.5000	3	6	

METRIC SIZES

Model No.	Metric mm	Decimal Size" Equiv	L2 mm	L1 mm	Price /Each
BH413	13.00	0.5118	75.0	150.0	
BH414	13.50	0.5315	75.0	150.0	
BH415	14.00	0.5512	75.0	150.0	
BH416	14.50	0.5709	75.0	150.0	
BH417	15.00	0.5906	75.0	150.0	
BH418	15.50	0.6102	75.0	150.0	
BH419	16.00	0.6299	75.0	150.0	
BH420	16.50	0.6496	75.0	150.0	
BH421	17.00	0.6693	75.0	150.0	
BH422	17.50	0.6890	75.0	150.0	

Model No.	Metric mm	Decimal Size" Equiv	L2 mm	L1 mm	Price /Each
BH423	18.00	0.7087	75.0	150.0	
BH424	18.50	0.7283	75.0	150.0	
BH425	19.00	0.7480	75.0	150.0	
BH426	19.50	0.7677	75.0	150.0	
BH427	20.00	0.7874	75.0	150.0	
BH428	21.00	0.8268	75.0	150.0	
BH429	22.00	0.8661	75.0	150.0	
BH430	23.00	0.9055	75.0	150.0	
BH431	24.00	0.9449	75.0	150.0	
BH432	25.00	0.9843	75.0	150.0	

REDUCED SHANK DRILL BITS – COBALT

- M42 cobalt
- 1/2" shank
- Right hand cutting direction
- 118° point, 2-flute design
- Bright finish

Applications:

General purpose to heavy-duty operations in high tensile strength steels and alloys, stainless steels and other ferrous and non-ferrous materials.

CLARKSON OSBORN

Model No.	Fractional Size"	Decimal Size" Equiv	L2"	L1"	Price /Each
BH435	33/64	0.5156	3	6	
BH436	17/32	0.5313	3	6	
BH437	35/64	0.5469	3	6	
BH438	9/16	0.5625	3	6	
BH439	37/64	0.5781	3	6	
BH440	19/32	0.5938	3	6	
BH441	39/64	0.6094	3	6	
BH442	5/8	0.6250	3	6	
BH443	41/64	0.6406	3	6	
BH444	21/32	0.6563	3	6	
BH445	43/64	0.6719	3	6	
BH446	11/16	0.6875	3	6	
BH447	45/64	0.7031	3	6	
BH448	23/32	0.7188	3	6	
BH449	47/64	0.7344	3	6	
BH450	3/4	0.7500	3	6	
BH451	49/64	0.7656	3	6	
BH452	25/32	0.7813	3	6	

Model No.	Fractional Size"	Decimal Size" Equiv	L2"	L1"	Price /Each
BH453	51/64	0.7969	3	6	
BH454	13/16	0.8125	3	6	
BH455	53/64	0.8281	3	6	
BH456	27/32	0.8438	3	6	
BH457	55/64	0.8594	3	6	
BH458	7/8	0.8750	3	6	
BH459	57/64	0.8906	3	6	
BH460	29/32	0.9063	3	6	
BH461	59/64	0.9219	3	6	
BH462	15/16	0.9375	3	6	
BH463	61/64	0.9531	3	6	
BH464	31/32	0.9688	3	6	
BH465	63/64	0.9844	3	6	
BH466	1	1.0000	3	6	
BH471	1 5/32	1.1563	3	6	
BH473	1 1/4	1.2500	3	6	
BH474	1 5/16	1.3125	3	6	

MORSE TAPER SHANK DRILLS

CLARKSON OSBORN

- High Speed Steel
- 2-flute design
- Right hand cutting direction
- 118° point
- Black finish

Applications:

Used with either portable or stationary machines with a taper socket spindle. General purpose drills for steels, cast iron and other ferrous and non-ferrous metals and alloys.



Model No.	Fractional Size"	Morse Taper#	Decimal Size" Equiv	L2 mm	L1 mm	Price /Each
BG786	1/8	1	0.1250	36.0	117.0	
BG787	9/64	1	0.1406	39.0	120.0	
BG788	5/32	1	0.1563	43.0	123.0	
BG789	11/64	1	0.1719	47.0	128.0	
BG790	3/16	1	0.1875	53.0	133.0	
BG791	13/64	1	0.2031	53.0	133.0	
BG792	7/32	1	0.2188	57.0	138.0	
BG793	15/64	1	0.2344	57.0	138.0	
BG794	1/4	1	0.2500	63.0	144.0	
BG795	17/64	1	0.2656	69.0	150.0	
BG796	9/32	1	0.2813	69.0	150.0	
BG797	19/64	1	0.2969	75.0	156.0	
BG798	5/16	1	0.3125	75.0	156.0	
BG799	21/64	1	0.3281	75.0	156.0	
BG800	11/32	1	0.3438	81.0	162.0	
BG801	23/64	1	0.3594	81.0	162.0	
BG802	3/8	1	0.3750	87.0	168.0	
BG803	25/64	1	0.3906	87.0	168.0	
BG804	13/32	1	0.4063	87.0	168.0	
BG805	27/64	1	0.4219	94.0	175.0	
BG806	7/16	1	0.4375	94.0	175.0	
BG807	29/64	1	0.4531	94.0	175.0	
BG808	15/32	1	0.4688	101.0	182.0	
BG809	31/64	2	0.4844	4 3/8"	8 1/4"	
BG810	1/2	2	0.5000	4 3/8"	8 1/4"	
BG811	33/64	2	0.5156	4 5/8"	8 1/2"	
BG812	17/32	2	0.5313	4 5/8"	8 1/2"	
BG813	35/64	2	0.5469	4 7/8"	8 3/4"	
BG814	9/16	2	0.5625	4 7/8"	8 3/4"	
BG815	37/64	2	0.5781	4 7/8"	8 3/4"	
BG816	19/32	2	0.5938	4 7/8"	8 3/4"	
BG817	39/64	2	0.6094	4 7/8"	8 3/4"	
BG818	5/8	2	0.6250	4 7/8"	8 3/4"	
BG819	41/64	2	0.6406	5 1/8"	9"	
BG820	21/32	2	0.6563	5 1/8"	9"	
BG821	43/64	2	0.6719	5 3/8"	9 1/4"	
BG822	11/16	2	0.6875	5 3/8"	9 1/4"	
BG823	45/64	2	0.7031	5 5/8"	9 1/2"	
BG824	23/32	2	0.7188	5 5/8"	9 1/2"	
BG825	47/64	2	0.7344	5 7/8"	9 3/4"	
BG826	3/4	2	0.7500	5 7/8"	9 3/4"	
BG827	49/64	2	0.7656	6"	9 7/8"	
BG828	25/32	2	0.7813	6"	9 7/8"	
BG829	51/64	3	0.7969	6 1/8"	10 3/4"	
BG830	13/16	3	0.8125	6 1/8"	10 3/4"	
BG831	53/64	3	0.8281	6 1/8"	10 3/4"	
BG832	27/32	3	0.8438	6 1/8"	10 3/4"	
BG833	55/64	3	0.8594	6 1/8"	10 3/4"	
BG834	7/8	3	0.8750	6 1/8"	10 3/4"	
BG835	57/64	3	0.8906	6 1/8"	10 3/4"	
BG836	29/32	3	0.9063	6 1/8"	10 3/4"	
BG837	59/64	3	0.9219	6 1/8"	10 3/4"	
BG838	15/16	3	0.9375	6 1/8"	10 3/4"	
BG839	61/64	3	0.9531	6 3/8"	11"	
BG840	31/32	3	0.9688	6 3/8"	11"	
BG841	63/64	3	0.9844	6 3/8"	11"	
BG842	1	3	1.0000	6 3/8"	11"	
BG843	1 1/64	3	1.0156	6 1/2"	11 1/8"	
BG844	1 1/32	3	1.0313	6 1/2"	11 1/8"	
BG845	1 3/64	3	1.0469	6 5/8"	11 1/4"	
BG846	1 1/16	3	1.0625	6 5/8"	11 1/4"	
BG847	1 5/64	4	1.0781	6 7/8"	12 1/2"	

Model No.	Fractional Size"	Morse Taper#	Decimal Size" Equiv	L2"	L1"	Price /Each
BG848	1 3/32	4	1.0938	6 7/8	12 1/2	
BG849	1 7/64	4	1.1094	7 1/8	12 3/4	
BG850	1 1/8	4	1.1250	7 1/8	12 3/4	
BG851	1 9/64	4	1.1406	7 1/4	12 7/8	
BG852	1 5/32	4	1.1563	7 1/4	12 7/8	
BG853	1 11/64	4	1.1719	7 3/8	13	
BG854	1 3/16	4	1.1875	7 3/8	13	
BG855	1 13/64	4	1.2031	7 1/2	13 1/8	
BG856	1 7/32	4	1.2188	7 1/2	13 1/8	
BG857	1 15/64	4	1.2344	7 7/8	13 1/2	
BG858	1 1/4	4	1.2500	7 7/8	13 1/2	
BG859	1 17/64	4	1.2656	8 1/2	14 1/8	
BG860	1 9/32	4	1.2813	8 1/2	14 1/8	
BG861	1 19/64	4	1.2969	8 5/8	14 1/4	
BG862	1 5/16	4	1.3125	8 5/8	14 1/4	
BG863	1 21/64	4	1.3281	8 3/4	14 3/8	
BG864	1 11/32	4	1.3438	8 3/4	14 3/8	
BG865	1 23/64	4	1.3594	8 7/8	14 1/2	
BG866	1 3/8	4	1.3750	8 7/8	14 1/2	
BG867	1 25/64	4	1.3906	9	14 5/8	
BG868	1 13/32	4	1.4063	9	14 5/8	
BG869	1 27/64	4	1.4219	9 1/8	14 1/4	
BG870	1 7/16	4	1.4375	9 1/8	14 1/4	
BG871	1 29/64	4	1.4531	9 1/4	14 7/8	
BG872	1 15/32	4	1.4688	9 1/4	14 7/8	
BG873	1 31/64	4	1.4844	9 3/8	15	
BG874	1 1/2	4	1.5000	9 3/8	15	
BG875	1 33/64	5	1.5156	9 3/8	16 3/8	
BG876	1 17/32	5	1.5313	9 3/8	16 3/8	
BG877	1 35/64	5	1.5469	9 5/8	16 5/8	
BG878	1 9/16	5	1.5625	9 5/8	16 5/8	
BG879	1 19/32	5	1.5938	9 7/8	16 7/8	
BG880	1 5/8	5	1.6250	10	17	
BG881	1 21/32	5	1.6563	10 1/8	17 1/8	
BG882	1 11/16	5	1.6875	10 1/8	17 1/8	
BG883	1 23/32	5	1.7188	10 1/8	17 1/8	
BG884	1 3/4	5	1.7500	10 1/8	17 1/8	
BG885	1 25/32	5	1.7813	10 1/8	17 1/8	
BG886	1 13/16	5	1.8125	10 1/8	17 1/8	
BG887	1 7/8	5	1.8750	10 3/8	17 3/8	
BG888	1 15/16	5	1.9375	10 3/8	17 3/8	
BG889	1 31/32	5	1.9688	10 3/8	17 3/8	
BG890	2	5	2.0000	10 3/8	17 3/8	
BG891	2 1/16	5	2.0625	10 1/4	17 3/8	
BG892	2 1/8	5	2.1250	10 1/4	17 3/8	
BG893	2 3/16	5	2.1875	10 1/4	17 3/8	
BG894	2 1/4	5	2.2500	10 1/4	17 3/8	
BG895	2 5/16	5	2.3125	10 1/4	17 3/8	
BG896	2 3/8	5	2.3750	10 1/4	17 3/8	
BG897	2 7/16	5	2.4375	11 1/4	18 3/4	
BG898	2 1/2	5	2.5000	11 1/4	18 3/4	
BG899	2 9/16	5	2.5625	11 7/8	19 1/2	
BG900	2 5/8	5	2.6250	11 7/8	19 1/2	
BG901	2 11/16	5	2.6875	12 3/4	20 3/8	
BG902	2 3/4	5	2.7500	12 3/4	20 3/8	
BG903	2 13/16	5	2.8125	13 3/8	21 1/8	
BG904	2 7/8	5	2.8750	13 3/8	21 1/8	
BG905	2 15/16	5	2.9375	14	21 3/4	
BG906	3	5	3.0000	14	21 3/4	

Note: Metric sizes available

MORSE TAPER REDUCING SLEEVES



CLARKSON OSBORN

Applications:

Used to adapt Morse Taper Shank tools to larger or smaller holders

OIL TOUGHENED

Model No.	Inside Hole	Outside Taper	Price /Each
BH495	0 MTS	1 MTS	
BH496	1 MTS	2 MTS	
BH497	1 MTS	3 MTS	
BH498	1 MTS	4 MTS	
BH499	2 MTS	3 MTS	
BH500	2 MTS	4 MTS	
BH501	3 MTS	4 MTS	
BH503	4 MTS	5 MTS	

HARDENED & GROUND*

Model No.	Outside Taper	Inside Hole	Price /Each
BH504	1 MTS	2 MTS	
BH505	1 MTS	3 MTS	
BH506	2 MTS	3 MTS	
BH507	3 MTS	4 MTS	
BH508	4 MTS	5 MTS	

*Internally & externally

MTS = Morse Taper Shank

JOBBER LENGTH" HIGH SPEED STEEL SETS



WJ188

BLACK & GOLD MULTI APPLICATION

- Industrial duty
- Right hand 135° split point eliminates walking
- General purpose used on steels, cast iron and most non-ferrous metals
- Machine and portable drilling applications
- Two-tone black oxide and bronze finish provides ideal chip flow and resistance to abrasion
- Steel case

FRACTIONAL SETS

Model No.	Description	Size"	Price/Each
QR040	13-piece set	1/16 to 1/4 by 64ths	
BG060	15-piece set	1/16 to 1/2 by 32nds	
BG063	21-piece set	1/16 to 3/8 by 64ths	
WJ188	29-piece set	1/16 to 1/2 by 64ths	

METRIC SETS

Model No.	Description	Size mm	Price/Each
BG057	11-piece set	1.5 to 6.5 by 0.5	
BG061	19-piece set	1.0 to 10.0 by 0.5	
BG064	25-piece set	1.0 to 13.0 by 0.5	
BG058	50-piece set	1.0 to 5.9 by 0.1	
BG059	41-piece set	6.0 to 10.0 by 0.1	

WIRE GAUGE & LETTER SETS

Model No.	Description	Sizes	Price/Each
BG066	60-piece set	#1 to #60	
BG062	20-piece set	#61 to #80	
BG065	26-piece set	Letter A to Z	

CLARKSON OSBORN



QF420

HYPER

- Maintenance duty
- Right hand, 118° point
- General purpose used on steels, cast iron and most non-ferrous metals
- Machine and portable drilling applications
- Black oxide finish
- Steel case

FRACTIONAL SETS

Model No.	Description	Size"	Price/Each
BM889	13-piece set	1/16 to 1/4 by 64ths	
BM890	15-piece set	1/16 to 1/2 by 32nds	
BM891	21-piece set	1/16 to 3/8 by 64ths	
QF420	29-piece set	1/16 to 1/2 by 64ths	

WIRE GAUGE & LETTER SETS

Model No.	Description	Sizes	Price/Each
BM897	60-piece set	#1 to #60	
BM892	26-piece set	Letter A to Z	

JOBBER LENGTH" – COBALT

- M42 cobalt provides wear and heat resistance
- Straight shank , 2 flute design
- Right hand cutting direction
- 135° split point, self-centring eliminates walking
- Bright finish

Applications

For general purpose drilling to heavy-duty operations in high tensile strength steel and alloys, stainless steels and other ferrous metals



CLARKSON OSBORN

FRACTIONAL SETS

Model No.	Description	Sizes	Price /Each
BG067	15-piece set	1/16" to 1/2" by 32nds	
BG069	21-piece set	1/16" to 3/8" by 64ths	
BG071	29-piece set	1/16" to 1/2" by 64ths	

METRIC SETS

Model No.	Description	Sizes	Price /Each
BG068	19-piece set	1.0 mm to 10.0 mm by 0.5 mm	
BG070	25-piece set	1.0 mm to 13.0 mm by 0.5 mm	

DRILL DOCTOR®



DAREX

Designed for durability and flexibility required to sharpen the largest range and most popular sizes of dull or broken bits-including split points and masonry bits.

- Sharpens 118° to 135° drill point angles
- For all standard twist drills
- Sharpens high speed steel, cobalt, tin-coated and carbide tipped masonry drills
- Includes diamond sharpening wheel and moulded plastic case
- 110 V power supply

Model No.	Description	Price/Each
TZ961	Sharpens 3/32" to 1/2"	

Model No.	Description	Price/Each
BC896	Sharpens 3/32" to 3/4"	

ANNULAR CUTTERS

- M2 quality high speed steel
- Right-hand cutting direction
- 3/4" Weldon shank

Applications:
- For general purpose cutting of steel plate, structural steel, steel pipe, etc
- 3 to 5 X faster cutting than conventional drills
- Produces quality burr-free hole in a single pass
- Ideal for magnetic base drill, drill presses and milling machines

CLARKSON OSBORN



1" DEPTH OF CUT

Model No.	Fractional Size"	Price /Each
TFX101	1/2	
TFX102	9/16	
TFX103	5/8	
TFX104	11/16	
TFX105	3/4	
TFX106	13/16	
TFX107	7/8	
TFX108	15/16	
TFX109	1	
TFX110	1 1/16	
TFX111	1 1/8	
TFX112	1 3/16	
TFX113	1 1/4	
TFX114	1 5/16	
TFX115	1 3/8	
TFX116	1 7/16	
TFX117	1 1/2	
TFX118	1 9/16	
TFX119	1 5/8	
TFX120	1 11/16	
TFX121	1 3/4	
TFX122	1 13/16	
TFX123	1 7/8	
TFX124	1 15/16	
TFX125	2	
TFX126	2 1/16	
TFX127	2 1/4	

Cut pin required **TFX178**
Price /Each $

2" DEPTH OF CUT

Model No.	Fractional Size"	Price /Each
TFX129	1/2	
TFX130	9/16	
TFX131	5/8	
TFX132	11/16	
TFX133	3/4	
TFX134	13/16	
TFX135	7/8	
TFX136	15/16	
TFX137	1	
TFX138	1 1/16	
TFX139	1 1/8	
TFX140	1 3/16	
TFX141	1 1/4	
TFX142	1 5/16	
TFX143	1 3/8	
TFX144	1 7/16	
TFX145	1 1/2	
TFX146	1 9/16	
TFX147	1 5/8	
TFX148	1 11/16	
TFX149	1 3/4	
TFX150	1 13/16	
TFX151	1 7/8	
TFX152	1 15/16	
TFX153	2	
TFX154	2 1/16	
TFX155	2 1/4	

Cut pin required **TFX179**
Price /Each $

3" DEPTH OF CUT

Model No.	Fractional Size"	Price /Each
TFX156	3/4	
TFX157	13/16	
TFX158	7/8	
TFX159	15/16	
TFX160	1	
TFX161	1 1/16	
TFX162	1 1/8	
TFX163	1 3/16	
TFX164	1 1/4	
TFX165	1 5/16	
TFX166	1 3/8	
TFX167	1 7/16	
TFX168	1 1/2	
TFX169	1 9/16	
TFX170	1 5/8	
TFX171	1 11/16	
TFX172	1 3/4	
TFX173	1 13/16	
TFX174	1 7/8	
TFX175	1 15/16	
TFX176	2	
TFX177	2 1/16	
	-	-
	-	-
	-	-
	-	-

Cut pin required **TFX180**
Price /Each $

COMBINED DRILLS & COUNTERSINKS

- Solid carbide 10% cobalt
- Right-hand cut
- Each drill has 2 hole diameters
- 118° angle point
- 60° countersink angle
- Bright finish

CLARKSON OSBORN



Applications:
Designed to produce accurate centre holes in components which require machining between centres.

Model No.	Size No.	Small Dia."	Large Dia."	Overall Length"	Price /Each
BK813	00	1/32	1/8	1 1/2	
BK820	0	0.025	1/8	1 1/2	
BK814	1	3/64	1/8	1 1/2	
BK815	2	5/64	3/16	1 7/8	
BK816	3	7/64	1/4	2	
BK817	4	1/8	5/16	2 1/8	
BK818	5	3/16	7/16	2 3/4	
BK819	6	7/32	1/2	3"	

STEP DRILLS

- High speed steel
- Bright finish

CLARKSON OSBORN



Applications:
Stepped cone design provides better control of hole sizes in materials up to 1/8" thick. One step drill does job of up to 13 different size drills. Holes are automatically deburred by cutting edge of next larger size. Ideal for sheet metal and hole-enlarging work.

Model No.	Size No.	# of holes	Range from - to	Increments	Price /Each
TJZ795	1	13	1/8 to 1/2	1/32	
TJZ796	2	6	3/16 to 1/2	1/16	
TJZ797	3	9	1/4 to 3/4	1/16	
TJZ798	4	12	3/16 to 7/8	1/16	
TJZ799	5	10	1/4 to 1 3/8	1/8	

Step drill 3-piece set – contains #1, #2 and #3 step drills in plastic case
Model No. TJZ800 **Price/Each $**

Can't find what you're looking for?
Call us today!



STEP DRILLS

IRWIN Industrial Tools

- Multiple steps eliminate the need for a tool box of drill bits
- Holds firmly in place with 3 flat sided shank
- SpeedPoint™ tip eliminates skidding and need for centre-punching
- Industrial grade high speed steel
- Easily resharpenable



Model No.	Size No.	Number of holes	Cutting Ø"	Increments"	Shank Ø	Price /Each
TQ651	1	13	1/8 to 1/2	1/32	1/4	
TH080	2	6	3/16 to 1/2	1/16	1/4	
TH094	3	9	1/4 to 3/4	1/16	3/8	
TH113	4	12	3/16 to 7/8	1/16	3/8	

TAP & DRILL SETS

18 PC BLUE WIZARD

- Premium high speed steel
- Metal case

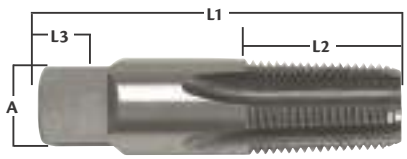


CLARKSON OSBORN

NC (National Coarse) Model No. BG080 contains		NF (National Fine) Model No. BG078 contains		Metric Model No. BG079 contains	
Tap	Drill	Tap	Drill	Tap mm	Drill mm
#6-32	#36	#6-40	#33	2.5 x .45	2.05
#8-32	#29	#8-36	#29	3.0 x .5	2.5
#10-32	#21	#10-32	#21	3.5 x .6	2.9
#12-24	#16	#12-28	#15	4.0 x .7	3.3
1/4-20	#7	1/4-28	#3	5.0 x .8	4.2
5/16-18	F	5/16-24	#1	6.0 x 1	5
3/8-16	5/16	3/8"-24	Q	8.0 x 1.25	6.7
7/16-14	U	7/16	25/64	10.0 x 1.5	8.5
1/2-13	27/64	1/2-20	29/64	12 x 1.75	10
Price/Each $		Price/Each $		Price/Each $	

PIPE TAPS

- High speed steel, ground threads
- Square drive shank
- Right hand cutting direction



CLARKSON OSBORN

WARWICK NPT (NATIONAL PIPE THREAD) TAPS

Applications:

For tapping tapered pipe threads. This is the most common of all pipe tap styles. The tapered thread form creates a pressure-tight joint when used with a sealant.

Model No	NPT Size	L2"	L1"	L3"	A"	Flutes	Price /Each
BD944	1/16-27	11/16	2 1/8	3/8	0.234	3	
QD610	1/8-27	3/4	2 1/8	3/8	0.328	3	
QD611	1/4-18	1 1/16	2 7/16	7/16	0.421	5	
QD612	3/8-18	1 1/16	2 9/16	1/2	0.531	5	
BD946	1/2-14	1 3/8	3 1/8	5/8	0.515	5	
BD947	3/4-14	1 3/8	3 1/4	11/16	0.679	5	
BD948	1-11.5	1 3/4	3 3/4	13/16	0.843	5	
BD949	1 1/4-11.5	1 3/4	4	15/16	0.984	7	
BD950	1 1/2-11.5	1 3/4	4 1/4	1	1.125	7	
BD951	2-11.5	1 3/4	4 1/2	1 1/8	1.406	7	

WARWICK NPTI (INTERRUPTED NATIONAL PIPE THREAD) TAPS

Application:

HSS interrupted thread pipe taps are designed for tapping soft or tough stringy metals that tend to load threads with chips. Interrupted thread pipe taps start with a few full threads and then have every other thread removed along the thread helix to provide more chip space, better lubrication, and to reduce drag.

Model No	NPT Size	L2"	L1"	L3"	A"	Flutes	Price /Each
BD952	1/8-27	3/4	2 1/8	3/8	0.328	3	
BD953	1/4-18	1 1/16	2 7/16	7/16	0.421	5	
BD954	3/8-18	1 1/16	2 9/16	1/2	0.531	5	
BD955	1/2-14	1 3/8	3 1/8	5/8	0.515	5	
BD956	3/4-14	1 3/8	3 1/4	11/16	0.679	5	
BD957	1-11.5	1 3/4	3 3/4	13/16	0.843	5	
BD958	1 1/4-11.5	1 3/4	4	15/16	0.984	7	
BD959	1 1/2-11.5	1 3/4	4 1/4	1	1.125	7	
BD960	2-11.5	1 3/4	4 1/2	1 1/8	1.406	7	

WARWICK NPTF (DRYSEAL NATIONAL PIPE THREAD) TAPS

HSS taper pipe taps are designed for tapping ferrous and non-ferrous fittings used to connect pipes carrying fluids or gases and other places where very tight fits are needed. NPTF taper thread pipe taps do not require sealants. Dryseal is attained by metal to metal contact.

Model No	NPT Size	L2"	L1"	L3"	A"	Flutes	Price /Each
BD961	1/16-27	11/16	2 1/8	3/8	0.234	3	
BD962	1/8-27	3/4	2 1/8	3/8	0.328	3	
BD963	1/4-18	1 1/16	2 7/16	7/16	0.421	5	
BD964	3/8-18	1 1/16	2 9/16	1/2	0.531	5	
BD965	1/2-14	1 3/8	3 1/8	5/8	0.515	5	
BD966	3/4-14	1 3/8	3 1/4	11/16	0.679	5	
BD967	1-11.5	1 3/4	3 3/4	13/16	0.843	5	
BD968	1 1/4-11.5	1 3/4	4	15/16	0.984	7	

WARWICK NPTS (STRAIGHT NATIONAL PIPE THREAD) TAPS

Application:

HSS straight thread pipe taps (NPTS) are designed for tapping holes or couplings for low pressure work that will adjust at assembly to the taper of external threads. A sealant must be used to secure a pressure-tight joint.

Model No	NPT Size	L2"	L1"	L3"	A"	Flutes	Price /Each
BD969	1/8-27	3/4	2 1/8	3/8	0.328	4	
BD970	1/4-18	1 1/16	2 7/16	7/16	0.421	4	
BD971	3/8-18	1 1/16	2 9/16	1/2	0.531	4	
BD972	1/2-14	1 3/8	3 1/8	5/8	0.515	4	
BD973	3/4-14	1 3/8	3 1/4	11/16	0.679	4	
BD974	1-11.5	1 3/4	3 3/4	13/16	0.843	6	

CLARKSON OSBORN

HAND TAPS

- High speed steel ground thread
- Square drive shank
- Right hand cutting direction, straight flute
- Available in taper, plug, bottoming and sets
- Bright finish

Applications:

Taps cut a thread on the inside surface of a hole, creating a female surface which functions like a nut. Well suited for a variety of ferrous & non-ferrous materials.



Taper
Used in through-holes and for starting threads.

Used in through-holes and in blind holes with space at the bottom for chip accumulation.

Plug

Used in blind holes where threads must come as close to the hole's bottom as possible

Bottoming

MACHINE SCREW SIZES - NC NATIONAL COARSE

NF NATIONAL FINE

Fractional Size		Taper Model No.	Plug Model No.	Bottoming Model No.	Price /Each	L2"	L1"	L3"	A"	Flutes	Set of 3 taps Model No.	Price /Each
0-80	NF	BL964	BL965	BL966		3/8	1 5/8	3/16	0.110	3	BL963	
1-64	NC	BL968	BL969	BL970		7/16	1 11/16	3/16	0.110	2	BL967	
1-72	NF	BM005	BM006	BM007		7/16	1 11/16	3/16	0.110	3	BM004	
2-56	NC	BL972	BL973	BL974		1/2	1 3/4	3/16	0.110	3	BL971	
2-64	NF	BM009	BM010	BM011		1/2	1 3/4	3/16	0.110	3	BM008	
3-48	NC	BL976	BL977	BL978		9/16	1 13/16	3/16	0.110	3	BL975	
3-56	NF	BM013	BM014	BM015		9/16	1 13/16	3/16	0.110	3	BM012	
4-40	NC	BL980	BL981	BL982		5/8	1 7/8	3/16	0.110	3	BL979	
4-48	NF	BM017	BM018	BM019		5/8	1 7/8	3/16	0.110	3	BM016	
5-40	NC	BL984	BL985	BL986		11/16	1 15/16	3/16	0.110	3	BL983	
5-44	NF	BM021	BM022	BM023		11/16	1 15/16	3/16	0.110	3	BM020	
6-32	NC	BL988	BL989	BL990		11/16	2	3/16	0.110	3	BL987	
6-40	NF	BM025	BM026	BM027		11/16	2	3/16	0.110	3	BM024	
8-32	NC	BL992	BL993	BL994		3/4	2 1/8	1/4	0.131	4	BL991	
8-36	NF	BM029	BM030	BM031		3/4	2 1/8	1/4	0.131	4	BM028	
10-24	NC	BL996	BL997	BL998		7/8	2 3/8	1/4	0.152	4	BL995	
10-32	NF	BM033	BM034	BM035		7/8	2 3/8	1/4	0.152	4	BM032	
12-24	NC	BM001	BM002	BM003		15/16	2 3/8	9/32	0.165	4	BL999	
12-28	NF	BM037	BM038	BM039		15/16	2 3/8	9/32	0.165	4	BM036	

FRACTIONAL SIZES - NC NATIONAL COARSE

NF NATIONAL FINE

Fractional Size		Taper Model No.	Plug Model No.	Bottoming Model No.	Price /Each	L2"	L1"	L3"	A"	Flutes	Set of all 3 taps Model No.	Price /Each
1/4-20	NC	BL843	BL844	BL845		1	2 1/2	5/16	0.191	4	BL842	
1/4-28	NF	BL905	BL906	BL907		1	2 1/2	5/16	0.191	4	BL904	
5/1-18	NC	BL847	BL848	BL849		1 1/8	2 23/32	3/8	0.238	4	QE252	
5/16-24	NF	BL909	BL910	BL911		1 1/8	2 23/32	3/8	0.238	4	BL908	
3/8-16	NC	BL851	BL852	BL853		1 1/4	2 15/16	7/16	0.286	4	BL850	
3/8-24	NF	BL912	BL913	BL914		1 1/4	2 15/16	7/16	0.286	4	VE890	
7/16-14	NC	BL855	BL856	BL857		1 7/16	3 5/32	13/32	0.242	4	BL854	
7/16 -20	NF	BL916	BL917	BL918		1 7/16	3 5/32	13/32	0.242	4	BL915	
1/2-13	NC	BL859	BL860	BL861		1 21/32	3 3/8	7/16	0.275	4	BL858	
1/2 -20	NF	BL920	BL921	BL922		1 21/32	3 3/8	7/16	0.275	4	BL919	
9/16-12	NC	BL863	BL864	BL865		1 21/32	3 19/32	1/2	0.322	4	BL862	
9/16-18	NF	BL924	BL925	BL926		1 21/32	3 19/32	1/2	0.322	4	BL923	
5/8-11	NC	QE253	BL867	BL868		1 13/16	3 13/16	9/16	0.360	4	BL866	
5/8-18	NF	BL928	BL929	BL930		1 13/16	3 13/16	9/16	0.360	4	BL927	
3/4-10	NC	VE860	BL870	BL871		2	4 1/4	11/16	0.442	4	BL869	
3/4-16	NF	BL932	BL933	BL934		2	4 1/4	11/16	0.442	4	BL931	
7/8 -9	NC	BL873	BL874	BL875		2 7/32	4 11/16	3/4	0.523	4	BL872	
7/8-14	NF	BL936	BL937	BL938		2 7/32	4 11/16	3/4	0.523	4	BL935	
1-8	NC	BL877	BL878	BL879		2 1/2	5 1/8	13/16	0.600	4	BL876	
1-12	NF	BL940	BL941	BL942		2 1/2	5 1/8	13/16	0.600	4	BL939	
1-14	NS	BL960	BL961	BL962		2 1/2	5 1/8	13/16	0.600	4	BL959	
1 1/8- 7	NC	QE254	BL882	BL883		2 9/16	5 7/16	7/8	0.672	4	BL880	
1 1/8-12	NF	BL944	BL945	BL946		2 9/16	5 7/16	7/8	0.672	4	BL943	
1 1/4 -7	NC	BL885	BL886	BL887		2 9/16	5 3/4	1	0.766	4	BL884	
1 1/4-12	NF	BL948	BL949	BL950		2 9/16	5 3/4	1	0.766	4	BL947	
1 3/8-6	NC	BL889	BL890	BL891		3	6 1/16	1 1/16	0.831	4	BL888	
1 3/8-12	NF	BL952	BL953	BL954		3	6 1/16	1 1/16	0.831	4	BL951	
1 1/2-6	NC	BL893	BL894	BL895		3	6 3/8	1 1/8	0.925	4	BL892	
1 1/2-12	NE	BL956	BL957	BL958		3	6 3/8	1 1/8	0.925	4	BL955	
1 3/4-5	NC	BL897	BL898	BL899		3 3/16	7	1 1/4	1.072	6	BL896	
2-4.5	NC	BL901	BL902	BL903		3 9/16	7 5/8	1 3/8	1.233	6	BL900	



HAND TAPS (CONT'D)

CLARKSON OSBORN

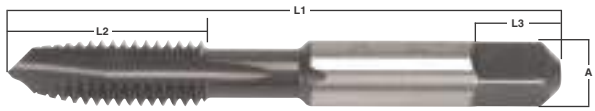
METRIC COARSE SIZES

Size	Taper Model No.	Plug Model No.	Bottoming Model No.	Price /Each	L2 mm	L1 mm	L3 mm	A mm	Flutes	Set of 3 taps Model No.	Price /Each
M2 x 0.4	BM185	BM186	BM187		8.0	41.0	4.0	2.00	3	BM184	
M2.2 x 0.45	BM182	BM183	TBM075		9.5	44.5	5.0	2.24	3	BM181	
M2.5 x 0.45	BM189	BM190	BM191		9.5	44.5	5.0	2.24	3	BM188	
M3 x 0.5	BM193	BM194	BM195		15.0	48.0	5.0	2.50	3	BM192	
M3.5 x 0.6	BM197	BM198	BM199		17.0	50.0	5.0	2.80	3	BM196	
M4 x 0.7	BM201	BM202	BM203		17.0	53.0	6.0	3.15	3	BM200	
M4.5 x 0.75	BM205	BM206	BM207		17.0	53.0	6.0	3.55	3	BM204	
M5 x 0.8	BM209	BM210	BM211		16.0	58.0	7.0	4.00	3	BM208	
M6 x 1	BM213	BM214	BM215		19.0	66.0	8.0	5.00	3	BM212	
M7 x 1	BM217	BM218	BM219		19.0	66.0	8.0	5.60	4	BM216	
M8 x 1.25	BM221	BM222	BM223		22.0	72.0	9.0	6.30	4	BM220	
M9 x 1.25	BM225	BM226	BM227		22.0	72.0	10.0	7.10	4	BM224	
M10 x 1.5	BM229	BM230	BM231		24.0	80.0	11.0	8.00	4	BM228	
M11 x 1.5	BM233	BM234	BM235		25.0	85.0	9.0	6.30	4	BM232	
M12 x 1.75	BM237	BM238	BM239		19.0	89.0	10.0	7.10	4	BM236	
M14 x 2	BM241	BM242	BM243		30.0	95.0	12.0	9.00	4	BM240	
M16 x 2	BM245	BM246	BM247		32.0	102.0	13.0	10.00	4	BM244	
M18 x 2.5	BM249	BM250	BM251		37.0	112.0	14.0	11.20	4	BM248	
M20 x 2.5	BM253	BM254	BM255		37.0	112.0	14.0	11.20	4	BM252	
M22 x 2.5	BM257	BM258	BM259		38.0	118.0	16.0	12.50	4	BM256	
M24 x 3	BM261	BM262	BM263		45.0	130.0	18.0	14.00	4	BM260	
M27 x 3	BM265	BM266	BM267		45.0	135.0	20.0	16.00	4	BM264	
M30 x 3.5	BM269	BM270	BM271		48.0	138.0	20.0	16.00	4	BM268	
M33 x 3.5	BM273	BM274	BM275		51.0	151.0	22.0	18.00	4	BM272	
M36 x 4	BM277	BM278	BM279		57.0	162.0	24.0	20.00	4	BM276	
M39 x 4	BM280	BM281	BM282		60.0	170.0	26.0	22.40	4	TBM083	
M42 x 4.5	BM284	BM285	BM286		60.0	170.0	26.0	22.40	6	BM283	
M45 x 4.5	TBM067	BM287	BM288		67.0	187.0	28.0	25.00	6	TBM084	
M48 x 5	TBM068	BM289	BM290		67.0	187.0	28.0	25.00	6	TBM085	
M52 x 5	TBM069	BM291	BM292		70.0	200.0	31.0	28.00	6	TBM086	
M56 x 5.5	TBM070	BM293	BM294		70.0	200.0	31.0	28.00	6	TBM087	

METRIC FINE SIZES

Size	Taper Model No.	Plug Model No.	Bottoming Model No.	Price /Each	L2 mm	L1 mm	L3 mm	A mm	Flutes	Set of 3 taps Model No.	Price/Each
MF3 x 0.35	BM296	BM297	BM298		15.0	48.0	5.0	2.50	3	BM295	
MF3.5 x 0.35	BM299	BM300	BM301		17.0	50.0	5.0	2.80	3	TBM088	
MF4 x 0.5	BM303	BM304	BM305		17.0	53.0	6.0	3.15	3	BM302	
MF4.5 x 0.5	BM307	BM308	BM309		17.0	53.0	6.0	3.55	3	BM306	
MF5 x 0.5	BM311	BM312	BM313		16.0	58.0	7.0	4.00	3	BM310	
MF6 x 0.5	BM315	BM316	BM317		19.0	66.0	8.0	5.00	3	BM314	
MF6 x 0.75	BM319	BM320	BM321		19.0	66.0	8.0	5.00	3	BM318	
MF7 x 0.75	BM323	BM324	BM325		19.0	66.0	8.0	5.60	4	BM322	
MF8 x 0.5	BM328	BM329	BM330		19.0	69.0	9.0	6.30	4	BM327	
MF8 x 0.75	BM332	BM333	BM334		22.0	72.0	9.0	6.30	4	BM331	
MF8 x 1	BM335	BM336	BM337		22.0	72.0	9.0	6.30	4	BM326	
MF9 x 1	BM338	BM339	BM340		22.0	72.0	10.0	7.10	4	BM341	
MF10 x 0.75	BM345	BM346	BM347		24.0	80.0	11.0	8.00	4	BM344	
MF10 x 1	BM348	BM349	BM350		24.0	80.0	11.0	8.00	4	BM342	
MF10 x 1.25	BM351	BM352	BM353		24.0	80.0	11.0	8.00	4	BM343	
MF11 x 0.75	BM355	BM356	BM357		22.0	82.0	9.0	6.30	4	BM354	
MF11 x 1	BM359	BM360	BM361		22.0	82.0	9.0	6.30	4	BM358	
MF12 x 1	BM363	BM364	BM365		29.0	89.0	10.0	7.10	4	BM362	
MF12 x 1.25	BM367	BM368	BM369		29.0	89.0	10.0	7.10	4	BM366	
MF12 x 1.5	BM371	BM372	BM373		29.0	89.0	10.0	7.10	4	BM370	
MF14 x 1	BM375	BM376	BM377		30.0	95.0	12.0	9.00	4	BM374	
MF14 x 1.25	BM379	BM380	BM381		30.0	95.0	12.0	9.00	4	BM378	
MF14 x 1.5	BM383	BM384	BM385		30.0	95.0	12.0	9.00	4	BM382	
MF16 x 1	BM387	BM388	BM389		32.0	102.0	13.0	10.00	4	BM386	
MF16 x 1.5	BM391	BM392	BM393		32.0	102.0	13.0	10.00	4	BM390	
MF18.0 x 1	BM395	BM396	BM397		37.0	112.0	14.0	11.20	4	BM394	
MF18 x 1.5	BM399	BM400	BM401		37.0	112.0	14.0	11.20	4	BM398	
MF18 x 2	BM403	BM404	BM405		37.0	112.0	14.0	11.20	4	BM402	
MF20 x 1	BM407	BM408	BM409		37.0	112.0	14.0	11.20	4	BM406	
MF20 x 1.5	BM411	BM412	BM413		37.0	112.0	14.0	11.20	4	BM410	
MF20 x 2	BM415	BM416	BM417		37.0	112.0	14.0	11.20	4	BM414	
MF22 x 1.5	BM419	BM420	BM421		38.0	118.0	16.0	12.50	4	BM418	
MF22 x 2	BM423	BM424	BM425		38.0	118.0	16.0	12.50	4	BM422	
MF24 x 1.5	BM427	BM428	BM429		45.0	130.0	18.0	14.00	4	BM426	
MF24 x 2	BM431	BM432	BM433		45.0	130.0	18.0	14.00	4	BM430	
MF25 x 1.5	BM435	BM436	BM437		35.0	120.0	18.0	14.00	4	BM434	
MF27 x 2	BM439	BM440	BM441		37.0	127.0	20.0	16.00	4	BM438	
MF30 x 1.5	BM443	BM444	BM445		37.0	127.0	20.0	16.00	4	BM442	
MF30 x 2	BM447	BM448	BM449		37.0	127.0	20.0	16.00	4	BM446	
MF32 x 1.5	TBM076	BM451	TBM079		37.0	137.0	22.0	18.00	4	BM450	
MF40 x 1.5	TBM077	TBM078	TBM080		39.0	149.0	26.0	22.40	4	TBM089	

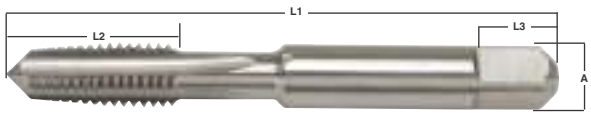
WIZARD SPIRAL POINT MACHINE TAPS - NC & NF



CLARKSON OSBORN

Size	Thread Form	L2"	L1"	L3"	A"	Flutes	Blue Wizard Model No.	Mfg. No.	Price /Each	White Wizard Model No.	Mfg. No.	Price /Each	Gold Wizard Model No.	Mfg. No.	Price /Each
0-80	NF	3/8	1 5/8	3/16	0.110	2	**BF370**	CT72100		–	–	–	**TBM048**	CT79100	
1-64	NC	7/16	1 11/16	3/16	0.110	2	**BF367**	CT72001		–	–	–	**TBM049**	CT79001	
1-72	NF	7/16	1 11/16	3/16	0.110	2	**BF371**	CT72101		–	–	–	**TBM050**	CT79101	
2-56	NC	1/2	1 3/4	3/16	0.110	2	**BF368**	CT72002		–	–	–	**BF544**	CT79002	
2-64	NF	1/2	1 3/4	3/16	0.110	2	**BF372**	CT72102		–	–	–	**TBM051**	CT79102	
3-48	NC	9/16	1 13/16	3/16	0.110	2	**BF369**	CT72003		–	–	–	**TBM052**	CT79003	
3-56	NF	9/16	1 13/16	3/16	0.110	2	**BF373**	CT72103		–	–	–	**TBM053**	CT79103	
4-40	NC	5/8	1 7/8	3/16	0.110	2	**QD614**	CT72004		**BF390**	CT73004		**TBM054**	CT79004	
4-48	NF	5/8	1 7/8	3/16	0.110	2	**BF374**	CT72104		**BF400**	CT73104		**BF550**	CT79104	
5-40	NC	11/16	1 15/16	3/16	0.110	2	**QD615**	CT72005		**BF391**	CT73005		**BF545**	CT79005	
5-44	NF	11/16	1 15/16	3/16	0.110	2	**BF375**	CT72105		**BF401**	CT73105		**BF551**	CT79105	
6-32	NC	11/16	2	3/16	0.110	2	**QD616**	CT72006		**BF392**	CT73006		**BF546**	CT79006	
6-40	NF	11/16	2	3/16	0.110	2	**BF376**	CT72106		**BF402**	CT73106		**TBM055**	CT79106	
8-32	NC	3/4	2 1/8	1/4	0.131	2	**QD617**	CT72008		**BF393**	CT73008		**BF547**	CT79008	
8-36	NF	3/4	2 1/8	1/4	0.131	2	**BF377**	CT72108		**BF403**	CT73108		**TBM056**	CT79108	
10-24	NC	11/16	2 3/8	1/4	0.152	2	**QD618**	CT72010		**BF394**	CT73010		**BF548**	CT79010	
10-32	NF	11/16	2 3/8	1/4	0.152	2	–	–	–	**BF404**	CT73110		**BF552**	CT79110	
12-24	NC	11/16	2 3/8	9/32	0.165	2	**QD619**	CT72012		**BF395**	CT73012		**BF549**	CT79012	
12-28	NF	11/16	2 3/8	9/32	0.165	2	**QD621**	CT72120		**BF405**	CT73120		**TBM057**	CT79120	
1/4-20	NC	13/16	2 1/2	5/16	0.191	2	**QD622**	CT72404		**BF406**	CT73404		**BF553**	CT79404	
1/4-28	NF	13/16	2 1/2	5/16	0.191	2	**QD631**	CT72504		**BF416**	CT73504		**BF561**	CT79504	
5/16-18	NC	7/8	2 23/32	3/8	0.238	3	**QD623**	CT72405		**BF407**	CT73405		**BF554**	CT79405	
5/16-24	NF	7/8	2 23/32	3/8	0.238	3	**QD632**	CT72505		**BF417**	CT73505		**BF562**	CT79505	
3/8-16	NC	1	2 15/16	7/16	0.286	3	**QD624**	CT72406		**BF408**	CT73406		**BF555**	CT79406	
3/8-24	NF	1	2 15/16	7/16	0.286	3	**QD633**	CT72506		**BF418**	CT73506		**BF563**	CT79506	
7/16-14	NC	1 1/16	3 5/32	13/32	0.242	3	**QD625**	CT72407		**BF409**	CT73407		**BF556**	CT79407	
7/16-20	NF	1 1/16	3 5/32	13/32	0.242	3	**QD634**	CT72507		**BF419**	CT73507		**BF564**	CT79507	
1/2-13	NC	1 3/16	3 3/8	7/16	0.275	3	**QD626**	CT72408		**BF410**	CT73408		**BF557**	CT79408	
1/2-20	NF	1 3/16	3 3/8	7/16	0.275	3	**QD635**	CT72508		**BF420**	CT73508		**BF565**	CT79508	
9/16-12	NC	1 3/16	3 19/32	1/2	0.322	3	–	–	–	**BF411**	CT73409		**BF558**	CT79409	
9/16-18	NF	1 3/16	3 19/32	1/2	0.322	3	**QR181**	CT72509		**BF421**	CT73509		**BF566**	CT79509	
5/8-11	NC	1 3/8	3 13/16	9/16	0.360	3	**QD627**	CT72410		**BF412**	CT73410		**BF559**	CT79410	
5/8-18	NF	1 3/8	3 13/16	9/16	0.360	3	**QD636**	CT72510		**BF422**	CT73510		**TBM058**	CT79510	
3/4-10	NC	1 7/16	4 1/4	11/16	0.442	3	**QD628**	CT72412		**BF413**	CT73412		**TBM059**	CT79412	
3/4-16	NF	1 7/16	4 1/4	11/16	0.442	3	**QD637**	CT72512		**BF423**	CT73512		**BF567**	CT79512	
7/8-9	NC	1 5/8	4 11/16	3/4	0.523	3	**QD629**	CT72414		**BF414**	CT73414		**TBM060**	CT79414	
7/8-14	NF	1 5/8	4 11/16	3/4	0.523	3	**QR186**	CT72514		**BF424**	CT73514		**TBM061**	CT79514	
1-8	NC	1 3/4	5 1/8	13/16	0.600	4	**QD630**	CT72416		**BF415**	CT73416		**BF560**	CT79416	
1-12	NF	1 3/4	5 1/8	13/16	0.600	4	**QR161**	CT72516		**BF425**	CT73516		**TBM062**	CT79516	

WIZARD SPIRAL POINT MACHINE TAPS - METRIC



CLARKSON OSBORN

Size	L2 mm	L1 mm	L3 mm	A mm	Flutes	Blue Wizard Model No.	Mfg. No.	Price /Each	Gold Wizard Model No.	Mfg. No.	Price /Each
M2.0 x 0.40	8.0	41.0	4.0	2.00	3	**BF350**	CT71020		**TBM035**	CT78020	
M2.5 x 0.45	9.5	44.5	5.0	2.24	3	**BF351**	CT71025		**TBM036**	CT78025	
M3.0 x 0.50	15.0	48.0	5.0	2.50	3	**QR162**	CT71 030		**BF535**	CT78030	
M3.5 x 0.60	17.0	50.0	5.0	2.80	3	**QR163**	CT71035		**TBM037**	CT78035	
M4.0 x 0.70	17.0	53.0	6.0	3.15	3	**QR164**	CT71040		**BF536**	CT78040	
M4.5 x 0.75	17.0	53.0	6.0	3.55	3	**BF352**	CT71045		**TBM038**	CT78045	
M5.0 x 0.80	16.0	58.0	7.0	4.00	3	**QR165**	CT71050		**BF537**	CT78050	
M6.0 x 1.00	19.0	66.0	8.0	5.00	3	**QR166**	CT71060		**BF538**	CT78060	
M7.0 x 1.00	19.0	66.0	8.0	5.60	3	**BF353**	CT71070		**TBM039**	CT78070	
M8.0 x 1.25	22.0	72.0	9.0	6.30	3	**QR167**	CT71080		**BF539**	CT78080	
M10.0 x 1.50	24.0	80.0	11.0	8.00	3	**QR168**	CT71100		**BF540**	CT78100	
M12.0 x 1.75	29.0	89.0	10.0	7.10	3	**QR101**	CT71120		**BF541**	CT78120	
M14.0 x 2.00	30.0	95.0	12.0	9.00	3	**QR172**	CT71140		**BF542**	CT78140	
M16.0 x 2.00	32.0	102.0	13.0	10.00	3	**QR112**	CT71160		**BF543**	CT78160	
M18.0 x 2.50	37.0	112.0	14.0	11.20	3	**BF354**	CT71180		**TBM040**	CT78180	
M20.0 x 2.50	37.0	112.0	14.0	11.20	3	**QR160**	CT71200		**TBM041**	CT78200	
M22.0 x 2.50	38.0	118.0	16.0	12.50	3	**BF355**	CT71220		**TBM042**	CT78220	
M24.0 x 3.00	45.0	130.0	18.0	14.00	3	**QR183**	CT71240		**TBM043**	CT78240	

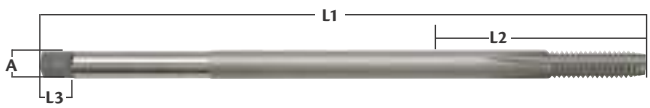
EXTENSION HAND TAPS

- High speed steel, ground threads
- Square drive shank
- Right hand cutting direction
- Plug style only

Application:

Designed for deep hole tapping where the work requires an undercut shank to follow through hole

CLARKSON OSBORN



MACHINE SCRW SIZES - NATIONAL COARSE NC & NATIONAL FINE NF

Model No.	NF & NC Size	L2"	L1"	A"	Flutes	Price /Each
BM040	6-32 NC	11/16	6	0.141	3	
BM041	8-32 NC	3/4	6	0.168	4	
BM042	10-24 NC	7/8	6	0.194	4	
BM051	10-32 NF	7/8	6	0.194	4	

FRACTIONAL - NATIONAL FINE NF

Model No.	National Fine Size	L2"	L1"	A"	Flutes	Price /Each
BM052	1/4-28 NF	1	6	0.255	4	
TBL997	5/16-24 NF	1 1/8	6	0.318	4	
BM053	3/8-24 NF	1 1/4	6	0.381	4	
TBM002	7/16-20 NF	1 7/16	6	0.323	4	
BM054	1/2-20 NF	1 21/32	6	0.367	4	
TBM004	9/16-18 NF	1 21/32	6	0.429	4	
TBM005	5/8-18 NF	1 13/16	6	0.480	4	

FRACTIONAL - NATIONAL COARSE NC

Model No.	National Coarse Size	L2"	L1"	A"	Flutes	Price /Each
BM043	1/4-20 NC	1	6	0.255	4	
BM062	1/4-20 NC	1	6	0.185	4	
BM055	1/4-20 NC	1	8	0.255	4	
BM044	5/16-18 NC	1 1/8	6	0.318	4	
BM063	5/16-18 NC	1 1/8	6	0.420	4	
BM056	5/16-18 NC	1 1/8	8	0.318	4	
BM045	3/8-16 NC	1 1/4	6	0.381	4	
BM057	3/8-16 NC	1 1/4	8	0.381	4	
TBL998	3/8-16 NC	1 1/4	6	0.275	4	
TBL999	3/8-16 NC	1 1/4	10	0.381	4	
BM046	7/16-14 NC	1 7/16	6	0.323	4	
BM047	1/2-13 NC	1 21/32	6	0.367	4	
BM048	9/16-12 NC	1 21/32	6	0.429	4	
BM049	5/8-11 NC	1 13/16	6	0.480	4	
BM058	5/8-11 NC	1 13/16	8	0.480	4	
BM050	3/4-10 NC	2	6	0.590	4	
BM059	3/4-10 NC	2	8	0.590	4	
TBM006	3/4-10 NC	2	10	0.590	4	
BM060	7/8-9 NC	2 7/32	8	0.697	4	
BM061	1-8 NC	2 1/2	8	0.800	4	
TBM007	1-8 NC	2 1/2	10	0.800	4	

BAR TYPE TAP & REAMER WRENCHES

- Best suited for smaller diameter hand taps & reamers
- Holds round or square drive shanks



CLARKSON OSBORN

Model No.	Sizes	Price/Each
BM610	1/16"/M2 to 1/4"/M6	
BM611	1/8"/M3 to 1/2"/M12	

T-TYPE TAP WRENCHES

- Knurled cap and chuck sleeve
- Heat-treated jaws
- T-handle
- Available in 4" and 8" body lengths



CLARKSON OSBORN

4" BODY LENGTH

Model No.	Sizes	Price/Each
QR060	1/16"/M1 to 1/4"/M6	
QR051	1/4"/M6 to 1/2"/M12	

8" BODY LENGTH

Model No.	Sizes	Price/Each
BM617	1/16"/M1 to 1/4"/M6	
BM618	1/4"/M6 to 1/2"/M12	

ADJUSTABLE TAP WRENCHES

- Rugged construction
- Well balanced
- Holds round or square drive shanks



CLARKSON OSBORN

Model No.	Sizes	Price/Each
BM612	1/8"/M3 to 1/2"/M12	
BM613	7/32"/M6 to 3/4"/M20	
BM614	7/16"/M12 to 1"/M24	
BM615	3/4"/M18 to 1/12/M42	
BM616	1"/M24 to 2 1/2/M50	

DIE STOCKS

- For round split dies
- Knurled handle



CLARKSON OSBORN

Model No.	Die Ø"	Overall Length"	Price /Each
BM619	13/16	6 1/2	
BM620	1	9	
BM623	1 15/16	11	
BM621	1 1/2	13 3/4	
BM622	2	21 5/8	
BM625	2 1/4	24	
BM624	3	31	

CLARKSON OSBORN

PIPE DIES

- Industrial duty
- High speed steel
- Right hand cut



NATIONAL PIPE THREAD - NPT

Model No.	NPT Size	Ø"	Thickness"	Price /Each
BM149	1/8-27	1	3/8	
TBL912	1/8-27	1 5/16	7/16	
BM150	1/8-27	1 1/2	1/2	
TBL913	1/4-18	1 5/16	7/16	
QE257	1/4-18	1 1/2	1/2	
BM153	1/4-18	2	5/8	
BM152	3/8-18	1 1/2	1/2	
BM154	3/8-18	2	5/8	
BM155	1/2-14	2	5/8	
BM156	3/4-14	2	5/8	
BM157	1-11.5	3	7/8	
BM158	1 1/4-11.5	3	7/8	
BM159	1 1/2-11.5	4	1	
BM160	2-11.5	4	1	

BRITISH STANDARD PIPE THREAD - BSPT

Model No.	BSPT Size	Ø"	Thickness"	Price /Each
TBL914	1/2-14	2	5/8	
TBL915	3/4-14	2	5/8	
TBL916	1-11	2 1/4	11/16	
TBL917	1-11	3	7/8	
TBL918	1 1/4-11	3	7/8	
TBL919	1 1/2-11	4	1	
TBL920	2-11	4	1	

BRITISH STANDARD PIPE FINE - BSPF

Model No.	BSPF Size	Ø"	Thickness"	Price /Each
BM163	1/8-28	1	3/8	
TBL921	1/8-28	1 5/16	7/16	
BM165	1/8-28	1 1/2	1/2	
BM164	1/4-19	1 5/16	7/16	
BM166	1/4-19	1 1/2	1/2	
TBL922	1/4-19	2	5/8	
BM167	3/8-19	1 1/2	1/2	
TBL923	3/8-19	2	5/8	
BM168	1/2-14	2	5/8	
BM169	5/8-14	2	5/8	
BM170	3/4-14	2	5/8	
TBL924	1-11	2 1/4	11/16	
BM171	1-11	3	7/8	
BM172	1 1/4-11	3	7/8	

CLARKSON OSBORN

HEXAGONAL DIE NUTS

- Maintenance duty
- Carbon steel
- Right hand cut

Application:

For cutting external screw threads, either by hand, using a die stock or by machine, using a floating die holder



NATIONAL FINE - NF

Model No.	NF Size	A"	Thickness"	Price /Each
BM640	1/4-28	0.710	1/4	
BM641	5/16-24	0.820	5/16	
BM642	3/8-24	0.920	3/8	
BM643	7/16-20	1.010	7/16	
BM644	1/2-20	1.100	1/2	
BM645	9/16-18	1.300	5/8	
BM646	5/8-18	1.300	5/8	
BM647	3/4-16	1.480	11/16	
BM648	7/8-14	1.670	13/16	
BM649	1-12	2.050	15/16	
BM650	1 1/8-12	2.220	1 1/16	
BM651	1 1/4-12	2.220	1 1/16	
BM652	1 3/8-12	2.580	1 1/8	
BM653	1 1/2-12	2.760	1 1/4	

NATIONAL COARSE - NC

Model No.	NC Size	A"	Thickness"	Price /Each
BM626	1/4-20	0.710	1/4	
BM627	5/16-18	0.820	5/16	
BM628	3/8-16	0.920	3/8	
BM629	7/16-14	1.010	7/16	
BM630	1/2-13	1.100	1/2	
BM631	9/16-12	1.300	5/8	
BM632	5/8-11	1.300	5/8	
BM633	3/4-10	1.480	11/16	
BM634	7/8-9	1.670	13/16	
BM635	1-8	2.050	15/16	
BM636	1 1/8-7	2.220	1 1/16	
BM637	1 1/4-7	2.220	1 1/16	
BM638	1 3/8-6	2.580	1 1/8	
BM639	1 1/2-6	2.760	1 1/4	





CLARKSON OSBORN

HEXAGONAL DIE NUTS

- Industrial duty
- High speed steel
- Right hand cut

Applications:

For cutting external screw threads, either by hand, using a die stock or by machine, using a floating die holder



NATIONAL FINE - NF

Model No.	HSS-NF Size	A"	Thickness"	Price /Each
BM671	1/4-28	0.710	1/4	
BM672	5/16-24	0.820	5/16	
BM673	3/8-24	0.920	3/8	
BM674	7/16-20	1.010	7/16	
BM675	1/2-20	1.100	1/2	
BM676	9/16-18	1.300	5/8	
BM677	5/8-18	1.300	5/8	
BM678	3/4-16	1.480	11/16	
BM679	7/8-14	1.670	13/16	
BM680	1-12	2.050	15/16	
BM681	1 1/8-12	2.220	1 1/16	
BM682	1 1/4-12	2.220	1 1/16	
BM683	1 3/8-12	2.580	1 1/8	
BM684	1 1/2-12	2.760	1 1/4	

NATIONAL COARSE - NC

Model No.	HSS-NC Size	A"	Thickness"	Price /Each
BM655	1/4-20	0.710	1/4	
BM656	5/16-18	0.820	5/16	
BM657	3/8-16	0.920	3/8	
BM658	7/16-14	1.010	7/16	
BM659	1/2-13	1.100	1/2	
BM660	9/16-12	1.300	5/8	
BM661	5/8-11	1.300	5/8	
BM662	3/4-10	1.480	11/16	
BM663	7/8-9	1.670	13/16	
BM664	1-8	2.050	15/16	
BM665	1 1/8-7	2.220	1 1/16	
BM666	1 1/4-7	2.220	1 1/16	
BM667	1 3/8-6	2.580	1 1/8	
BM668	1 1/2-6	2.760	1 1/4	
BM669	1 3/4-5	3.150	1 3/8	
BM670	2-4.5	3.550	1 3/4	

METRIC

Model No.	Metric Size	A"	Thickness"	Price /Each
TBL925	M3 x 0.5	0.710	1/4	
BM685	M4 x 0.7	0.710	1/4	
TBL926	M5 x 0.8	0.710	1/4	
BM686	M6 x 1	0.710	1/4	
TBL927	M7 x 1	0.820	5/16	
BM687	M8 x 1.25	0.820	5/16	
BM688	M9 x 1.25	0.920	3/8	
BM689	M10 x 1.5	0.920	3/8	
BM690	M11 x 1.5	1.010	7/16	
BM691	M12 x 1.75	1.100	1/2	

METRIC

Model No.	Metric Size	A"	Thickness"	Price /Each
BM692	M14 x 2	1.300	5/8	
BM693	M16 x 2	1.300	5/8	
BM694	M18 x 2.5	1.480	11/16	
BM695	M20 x 2.5	1.480	11/16	
BM696	M22 x 2.5	1.670	13/16	
BM697	M24 x 3	2.050	15/16	
BM698	M27 x 3	2.220	1 1/16	
BM699	M30 x 3.5	2.220	1 1/16	
TBL928	M33 x 3.5	2.580	1 1/8	
TBL929	M36 x 4	2.760	1 1/4	

METRIC FINE

Model No.	Metric Fine Size	A"	Thickness"	Price /Each
TBL930	MF3 x 0.35	0.710	1/4	
TBL931	MF4 x 0.50	0.710	1/4	
TBL932	MF5 x 0.50	0.710	1/4	
TBL933	MF6 x 0.75	0.710	1/4	
TBL934	MF7 x 0.75	0.820	3/8	
TBL935	MF8 x 1	0.820	3/8	
BM700	MF10 x 1	0.920	3/8	
BM701	MF12 x 1.25	1.100	1/2	
BM702	MF14 x 1.5	1.300	1/2	
TBL936	MF16 x 1.5	1.300	1/2	
TBL937	MF18 x 1.5	1.480	1/2	
BM703	M20 x 1.5	1.480	5/8	
BM704	MF22 x 1.5	1.670	5/8	
TBL938	MF24 x 2	2.050	5/8	
TBL939	MF25 x 1.5	2.050	5/8	

BRITISH STANDARD WHITWORTH - BSW

Model No.	BSW Size	A"	Thickness"	Price /Each
TBL940	1/8-40	0.710	1/4	
TBL941	3/16-24	0.710	1/4	
TBL942	1/4-20	0.710	1/4	
TBL943	5/16-18	0.820	5/16	
TBL944	3/8-16	0.920	3/8	
TBL945	7/16-14	1.010	7/16	
TBL946	1/2-12	1.100	1/2	
TBL947	9/16-12	1.300	5/8	
TBL948	5/8-11	1.300	5/8	
TBL949	3/4-10	1.480	11/16	
TBL950	7/8-9	1.670	13/16	
TBL951	1-8	2.050	15/16	
TBL952	1 1/8-7	2.220	1 1/16	
TBL953	1 1/4-7	2.220	1 1/16	
TBL954	1 1/2-6	2.760	1 1/4	
TBL955	1 3/4-5	3.150	1 3/8	
TBL956	2-4.5	3.550	1 3/4	

BRITISH STANDARD FINE - BSW

Model No.	BSF Size	A"	Thickness"	Price /Each
TBL957	1/4-26	0.710	1/4	
BM705	5/16-22	0.820	5/16	
BM706	3/8-20	0.920	3/8	
TBL958	7/16-18	1.010	7/16	
TBL959	1/2-16	1.100	1/2	
TBL960	9/16-16	1.300	5/8	
TBL961	5/8-14	1.300	5/8	
TBL962	11/16-14	1.480	11/16	
TBL963	3/4-12	1.480	11/16	
TBL964	7/8-11	1.670	13/16	
TBL965	1-10	2.050	15/16	
TBL966	1 1/8-9	2.220	1 1/16	
TBL967	1 1/4-9	2.220	1 1/16	
BM707	1 1/2-8	2.760	1 1/4	
TBL968	1 3/4-7	3.150	1 3/8	
TBL969	2-7	3.550	1 3/4	

CLARKSON OSBORN

SPLIT CIRCULAR DIES

- Industrial duty
- High speed steel
- Right hand cut

Applications:

For cutting external screw threads, either by hand, using a die stock or by machine, using a floating die holder



MACHINE SCREW SIZES

Model No.	Machine Screw Size	Ø"	Thickness"	Price /Each
BM084	#0-80 NF	13/16	1/4	
BM075	#1-64 NC	13/16	1/4	
BM085	#1-72 NF	13/16	1/4	
BM076	#2-56 NC	13/16	1/4	
BM086	#2-64 NF	13/16	1/4	
BM077	#3-48-NC	13/16	1/4	
BM087	#3-56 NF	13/16	1/4	
BM078	#4-40 NC	13/16	1/4	
BM088	#4-48 NF	13/16	1/4	
BM079	#5-40 NC	13/16	1/4	
BM089	#5-44 NF	13/16	1/4	
BM080	#6-32 NC	13/16	1/4	
BM090	#6-40 NF	13/16	1/4	
BM081	#8-32 NC	13/16	1/4	
BM091	#8-36 NF	13/16	1/4	
BM082	#10-24 NC	13/16	1/4	
BM092	#10-32 NF	13/16	1/4	
BM083	#12-24 NC	13/16	1/4	
BM093	#12-28 NF	13/16	1/4	

FRACTIONAL - NATIONAL COARSE (NC)

Model No.	National Coarse Size - NC	Ø"	Thickness"	Price /Each
BM094	1/4-20	13/16	1/4	
BM096	1/4-20	1	3/8	
BM102	1/4-20	1 5/16	7/16	
BM097	5/16-18	1	3/8	
BM103	5/16-18	1 5/16	7/16	
BM098	3/8-16	1	3/8	
BM104	3/8-16	1 5/16	7/16	
BM114	3/8-16	1 1/2	1/2	
BM105	7/16-14	1 5/16	7/16	
BM115	7/16-14	1 1/2	1/2	
BM106	1/2-13	1 5/16	7/16	
BM116	1/2-13	1 1/2	1/2	
BM126	1/2-13	2	5/8	
BM107	9/16-12	1 5/16	7/16	
BM117	9/16-12	1 1/2	1/2	
BM127	9/16-12	2	5/8	
BM118	5/8-11	1 1/2	1/2	
BM128	5/8-11	2	5/8	
BM119	3/4-10	1 1/2	1/2	
BM129	3/4-10	2	5/8	
TBL975	7/8-9	2	5/8	
BM131	1-8	2	5/8	
BM139	1-8	3	7/8	
BM140	1 1/8-7	3	7/8	
BM141	1 1/4-7	3	7/8	
BM142	1 3/8-6	3	7/8	
BM143	1 1/2-6	3	7/8	

FRACTIONAL - NATIONAL FINE (NF)

Model No.	National Fine Size - NF	Ø"	Thickness"	Price /Each
BM095	1/4-28	13/16	1/4	
BM099	1/4-28	1	3/8	
BM108	1/4-28	1 5/16	7/16	
BM100	5/16-24	1	3/8	
BM109	5/16-24	1 5/16	7/16	
BM101	3/8-24	1	3/8	
BM110	3/8-24	1 5/16	7/16	
BM120	3/8-24	1 1/2	1/2	
BM111	7/16-20	1 5/16	7/16	
BM121	7/16-20	1 1/2	1/2	
BM112	1/2-20	1 5/16	7/16	
BM122	1/2-20	1 1/2	1/2	
BM132	1/2-20	2	5/8	
BM113	9/16-18	1 5/16	7/16	
BM123	9/16-18	1 1/2	1/2	
BM133	9/16-18	2	5/8	
BM124	5/8-18	1 1/2	1/2	
BM134	5/8-18	2	5/8	
BM125	3/4-16	1 1/2	1/2	
BM135	3/4-16	2	5/8	
BM136	7/8-14	2	5/8	
BM137	1-12	2	5/8	
BM144	1-12	3	7/8	
BM145	1 1/8-12	3	7/8	
BM146	1 1/4-12	3	7/8	
BM147	1 3/8-12	3	7/8	
BM148	1 1/2-12	3	7/8	

METRIC SIZES

Model No.	Metric Size	Ø"	Thickness"	Price /Each
TBL976	M1.4 x 0.30	13/16	1/4	
BM522	M1.6 x 0.35	13/16	1/4	
BM523	M1.8 x 0.35	13/16	1/4	
BM524	M2 x 0.40	13/16	1/4	
BM525	M2.2 x 0.45	13/16	1/4	
BM526	M2.5 x 0.45	13/16	1/4	
BM527	M3 x 0.5	13/16	1/4	
BM528	M3.5 x 0.6	13/16	1/4	
BM529	M4 x 0.7	13/16	1/4	
BM537	M4 x 0.7	1	3/8	
TBL977	M4.5 x 0.75	13/16	1/4	
BM531	M5 x 0.8	13/16	1/4	
BM538	M5x 0.8	1	3/8	
TBL978	M6 x 1	13/16	1/4	
BM539	M6 x 1	1	3/8	
BM547	M6 x 1	1 5/16	7/16	
BM533	M7 x 1	13/16	1/4	
BM540	M7 x 1	1	3/8	
BM548	M7 x 1	1 5/16	7/16	
BM534	M8 x 1.25	1	3/8	
BM541	M8 x 1.25	1 5/16	7/16	
BM535	M9 x 1.25	1	3/8	
BM542	M9 x 1.25	1 5/16	7/16	
BM536	M10 x 1.5	1	3/8	

Model No.	Metric Size	Ø"	Thickness"	Price /Each
BM543	M10 x 1.5	1 5/16	7/16	
BM549	M10 x 1.5	1 1/2	1/2	
BM544	M11 x 1.5	1 5/16	7/16	
BM550	M11 x 1.5	1 1/2	1/2	
BM545	M12 x 1.75	1 5/16	7/16	
BM551	M12 x 1.75	1 1/2	1/2	
BM556	M12 x 1.75	2	5/8	
BM546	M14 x 2	1 5/16	7/16	
BM552	M14 x 2	1 1/2	1/2	
BM557	M14 x 2	2	5/8	
BM553	M16 x 2	1 1/2	1/2	
BM558	M16 x 2	2	5/8	
BM554	M18 x 2.5	1 1/2	1/2	
BM559	M18 x 2.5	2	5/8	
BM555	M20 x 2.5	1 1/2	1/2	
BM560	M20 x 2.5	2	5/8	
BM561	M22 x 2.5	2	5/8	
BM562	M24 x 3	2	5/8	
BM563	M27 x 3	3	7/8	
BM564	M30 x 3.5	3	7/8	
TBL979	M33 x 3.5	3	7/8	
BM565	M36 x 4	3	7/8	
BM566	M39 x 4	3	7/8	

METRIC FINE SIZES

Model No.	Metric Fine Size	Ø"	Thickness"	Price /Each
BM567	MF3 x 0.35	13/16	1/4	
BM568	MF4 x 0.5	13/16	1/4	
BM569	MF5 x 0.5	13/16	1/4	
BM570	MF6 x 0.75	13/16	1/4	
BM580	MF8 x 1	1	3/8	
TBL980	MF10 x 1	1	3/8	
TBL981	MF10 x 1.25	1	3/8	
BM572	MF12 x 1.25	1 5/16	7/16	
BM573	MF14 x 1.5	1 5/16	7/16	

Model No.	Metric Fine Size	Ø"	Thickness"	Price /Each
BM574	MF16 x 1.5	1 1/2	1/2	
BM575	MF18 x 1.5	1 1/2	1/2	
BM576	MF20 x 1.5	2	5/8	
BM577	MF22 x 1.5	2	5/8	
BM578	MF24 x 2	2	5/8	
BM579	MF25 x 1.5	2	5/8	
TBL982	MF27 x 2	3	7/8	
TBL983	MF30 x 2	3	7/8	
TBL984	MF32 x 1.5	3	7/8	

HAND REAMERS

- High speed steel
- Right hand cutting direction
- Spiral flute
- Straight shank
- Ground starting taper on cutting end for easy entry

Applications:

Hand reamers are designed for extreme accuracy and are used by hand for final sizing of drilled holes. The square shank end fits in a tap wrench.



FRACTIONAL SIZES

Model No.	Fractional Size"	Decimal Equiv."	L2 mm	L1 mm	Price /Each
BK453	1/16	0.0625	21.0	44.0	
BK454	3/32	0.0938	29.0	58.0	
BK455	1/8	0.1250	33.0	66.0	
BK456	9/64	0.1406	35.0	71.0	
BK457	5/32	0.1562	38.0	76.0	
BK458	11/64	0.1719	41.0	81.0	
BK459	3/16	0.1875	44.0	87.0	
BK460	13/64	0.2031	44.0	87.0	
BK461	7/32	0.2188	48.0	93.0	
TBM143	15/64	0.2344	48.0	93.0	
BK462	1/4	0.2500	50.0	100.0	
BK463	17/64	0.2656	54.0	107.0	
BK464	9/32	0.2812	54.0	107.0	
BK465	19/64	0.2969	58.0	115.0	
BK466	5/16	0.3125	58.0	115.0	
BK467	21/64	0.3281	58.0	115.0	
BK468	11/32	0.3438	62.0	124.0	

Model No.	Fractional Size"	Decimal Equiv."	L2 mm	L1 mm	Price /Each
BK469	23/64	0.3594	62.0	124.0	
BK470	3/8	0.3750	66.0	133.0	
BK471	25/64	0.3906	66.0	133.0	
BK472	13/32	0.4062	66.0	133.0	
BK473	27/64	0.4219	71.0	142.0	
BK474	7/16	0.4375	71.0	142.0	
BK475	29/64	0.4531	71.0	142.0	
BK476	15/32	0.4688	76.0	152.0	
BK477	31/64	0.4844	76.0	152.0	
BK478	1/2	0.5000	76.0	152.0	
BK479	17/32	0.5312	81.0	163.0	
BK480	9/16	0.5625	81.0	163.0	
BK481	19/32	0.5938	87.0	175.0	
BK482	5/8	0.6250	87.0	175.0	
BK483	21/32	0.6562	87.0	175.0	
BK484	11/16	0.6875	93.0	188.0	
BK485	23/32	0.7188	93.0	188.0	
BK486	3/4	0.7500	100.0	201.0	

Model No.	Fractional Size"	Decimal Equiv."	L2 mm	L1 mm	Price /Each
BK487	25/32	0.7813	100.0	201.0	
BK488	13/16	0.8125	100.0	201.0	
BK489	27/32	0.8438	107.0	215.0	
BK490	7/8	0.8750	107.0	215.0	
BK491	29/32	0.9062	107.0	215.0	
BK492	15/16	0.9375	115.0	231.0	
BK493	31/32	0.9688	115.0	231.0	
BK494	1	1.0000	115.0	231.0	
BK495	1 1/16	1.0625	124.0	247.0	
BK496	1 1/8	1.1250	124.0	247.0	
BK497	1 1/4	1.2500	133.0	265.0	
BK498	1 3/8	1.3750	142.0	284.0	
BK499	1 1/2	1.5000	152.0	305.0	
BK500	1 5/8	1.6250	152.0	305.0	
BK501	1 3/4	1.7500	163.0	326.0	
TBM144	1 7/8	1.8750	174.0	347.0	
BK502	2	2.0000	174.0	347.0	

METRIC SIZES

Model No.	Metric Size	Decimal Equiv."	L2 mm	L1 mm	Price /Each
BK503	2.00	0.0787	25.0	50.0	
BK504	2.50	0.0984	29.0	58.0	
BK505	3.00	0.1181	31.0	62.0	
BK506	3.50	0.1378	35.0	71.0	
BK507	4.00	0.1575	38.0	76.0	
BK508	4.50	0.1772	41.0	81.0	
BK509	5.00	0.1969	44.0	87.0	
BK510	5.50	0.2165	48.0	93.0	
BK511	6.00	0.2362	48.0	93.0	
BK512	6.50	0.2559	50.0	100.0	
BK513	7.00	0.2756	54.0	107.0	
BK514	7.50	0.2953	58.0	115.0	
BK515	8.00	0.3150	58.0	115.0	
BK516	8.50	0.3346	58.0	115.0	
BK517	9.00	0.3543	62.0	124.0	
BK518	9.50	0.3740	62.0	124.0	

Model No.	Metric Size	Decimal Equiv."	L2 mm	L1 mm	Price /Each
BK519	10.00	0.3937	66.0	133.0	
BK520	10.50	0.4134	66.0	133.0	
BK521	11.00	0.4331	71.0	142.0	
BK522	11.50	0.4528	71.0	142.0	
BK523	12.00	0.4724	76.0	152.0	
BK524	12.50	0.4921	76.0	152.0	
BK525	13.00	0.5118	76.0	152.0	
BK526	13.50	0.5315	81.0	163.0	
BK527	14.00	0.5512	81.0	163.0	
BK528	15.00	0.5906	81.0	163.0	
BK529	16.00	0.6299	87.0	175.0	
BK530	17.00	0.6693	87.0	175.0	
BK531	18.00	0.7087	93.0	188.0	
BK532	19.00	0.7480	93.0	188.0	
BK533	20.00	0.7874	100.0	201.0	
BK534	21.00	0.8268	100.0	201.0	

Model No.	Metric Size	Decimal Equiv."	L2 mm	L1 mm	Price /Each
BK535	22.00	0.8661	107.0	215.0	
BK536	23.00	0.9055	107.0	215.0	
BK537	24.00	0.9449	115.0	231.0	
BK538	25.00	0.9843	115.0	231.0	
BK539	26.00	1.0236	115.0	231.0	
BK540	27.00	1.0630	124.0	247.0	
BK541	28.00	1.1024	124.0	247.0	
BK542	30.00	1.1811	124.0	247.0	
BK543	32.00	1.2598	133.0	265.0	
BK544	33.00	1.2992	133.0	265.0	
BK545	34.00	1.3386	142.0	284.0	
BK546	35.00	1.3780	142.0	284.0	
BK547	36.00	1.4173	142.0	284.0	
BK548	38.00	1.4961	152.0	305.0	
BK549	40.00	1.5748	152.0	305.0	

STRAIGHT SHANK ALIGNING REAMERS

- Right hand cut
- High speed steel
- Straight shank
- Spiral flute

Applications:

Aligning Reamers are designed for aligning holes in structural steel fabrication for bridgework, ship construction, automotive maintenance, and railroad car manufacturing. Their shorter length makes for easier work in tight areas. Can be used in any 1/2" 3 jaw power tool.



FRACTIONAL SIZES

Model No.	Fractional Size"	Decimal Equiv."	L2 mm	L1 mm	Price /Each
TC0036	1/4	0.2500	2.5	4.375	
TC0037	5/16	0.3125	2.75	4.625	
TC0038	3/8	0.3750	2.75	4.625	
TC0039	7/16	0.4375	3.5	5.375	
TC0040	1/2	0.5000	4.0	5.875	
TC0041	9/16	0.5625	4.0	5.875	
TC0042	39/64	0.6094	4.5	6.375	
TC0043	5/8	0.6250	4.5	6.375	

Model No.	Fractional Size"	Decimal Equiv."	L2 mm	L1 mm	Price /Each
TC0044	11/16	0.6875	4.5	6.375	
TC0045	3/4	0.7500	5.0	6.875	
TC0046	13/16	0.8125	5.0	6.875	
TC0047	7/8	0.8750	5.0	6.875	
TC0048	15/16	0.9375	5.0	6.875	
TC0049	1	1.0	5.0	6.875	
TC0050	11/16	1.0625	5.0	6.875	

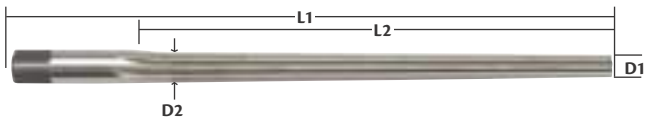
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TAPER PIN REAMERS

- Right hand cut
- High speed steel
- Straight shank
- Straight flute

Application:

Taper Pin Reamers are manufactured with a taper of 1/4" per foot. They are used to ream holes into which standard taper pins will fit. The point of each reamer will enter hole reamed by next smaller size. Hole to be reamed should be a few thousandths smaller than the small diameter of the finished reamed hole.



Model No.	Fractional Size"	D1"	D2"	L2"	L1"	Price /Each
TBM090	5/64	0.0592	0.0800	1	2	
TBM091	3/32	0.0690	0.0950	1 1/4	2 1/4	
TBM092	7/64	0.0798	0.1110	1 1/2	2 1/2	
BK404	1/8	0.0905	0.1270	1 3/4	2 3/4	
TBM093	9/64	0.1039	0.1430	1 7/8	2 7/8	
BK405	5/32	0.1163	0.1580	2	3	
BK406	11/64	0.1271	0.1740	2 1/4	3 1/2	
BK407	3/16	0.1377	0.1950	2 3/4	4	
BK408	7/32	0.1627	0.2200	2 3/4	4	
BK409	1/4	0.1827	0.2530	3 3/8	4 5/8	

Model No.	Fractional Size"	D1"	D2"	L2"	L1"	Price /Each
BK410	9/32	0.2061	0.2920	4 1/8	5 5/8	
BK411	5/16	0.2301	0.3160	4 1/8	5 5/8	
BK412	11/32	0.2533	0.3470	4 1/2	6	
BK413	3/8	0.2768	0.3810	5	6 1/2	
TBM094	13/32	0.2922	0.4120	5 3/4	7 1/2	
BK414	7/16	0.3232	0.4430	5 3/4	7 1/2	
BK415	1/2	0.3706	0.5060	6 1/2	8 1/4	
BK416	9/16	0.4304	0.5710	6 3/4	8 1/2	
BK417	5/8	0.4768	0.6330	7 1/2	9 1/4	
BK418	3/4	0.5777	0.7600	8 3/4	10 3/4	

METRIC SIZES

Model No.	Metric Size mm	D1 mm	D2 mm	L2 mm	L1 mm	Price /Each
BK440	2.0	1.90	2.86	48.0	68.0	
BK441	2.5	2.40	3.36	48.0	68.0	
BK442	3.0	2.90	4.06	58.0	80.0	
BK443	4.0	3.90	5.26	68.0	93.0	
BK444	5.0	4.90	6.36	73.0	100.0	
BK445	6.0	5.90	8.00	105.0	135.0	
BK446	8.0	7.90	10.80	145.0	180.0	

Model No.	Metric Size mm	D1 mm	D2 mm	L2 mm	L1 mm	Price /Each
BK447	10.0	9.90	13.40	175.0	215.0	
BK448	12.0	11.80	16.00	194.0	240.0	
BK449	13.0	12.86	16.74	194.0	240.0	
BK450	14.0	13.86	17.76	194.0	240.0	
BK451	16.0	15.80	20.40	230.0	280.0	
BK452	20.0	19.80	24.80	230.0	310.0	

NUMBER SIZES

Model No.	Number Size	D1"	D2"	L2"	L1"	Price /Each
TBM095	7/0	0.0497	0.0666	13/16	1 13/16	
BK423	6/0	0.0611	0.0806	15/16	1 15/16	
BK422	5/0	0.0719	0.0966	1 3/16	2 3/16	
BK421	4/0	0.0869	0.1142	1 5/16	2 5/16	
BK420	3/0	0.1029	0.1302	1 5/16	2 5/16	
BK419	2/0	0.1137	0.1462	1 9/16	2 9/16	
BK424	0.0	0.1287	0.1638	1 11/16	2 15/16	
BK425	1	0.1447	0.1798	1 11/16	2 15/16	
BK426	2	0.1605	0.2008	1 15/16	3 3/16	
BK427	3	0.1813	0.2294	2 5/16	3 11/16	
BK428	4	0.2071	0.2604	2 9/16	4 1/16	
BK429	5	0.2409	0.2994	2 13/16	4 5/16	
BK430	6	0.2773	0.3540	3 11/16	5 7/16	
BK431	7	0.3297	0.4220	4 7/16	6 5/16	
BK432	8	0.3971	0.5050	5 3/16	7 3/16	
BK433	9	0.4805	0.6066	6 1/16	8 5/16	
BK434	10	0.5799	0.7216	6 13/16	9 5/16	
BK435	11	0.7060	0.8780	8 1/4	11 1/4	
BK436	12	0.8420	1.0500	10	13 5/8	
BK437	13	1.0090	1.2590	12	16	
BK438	14	1.2500	1.5420	14	18 1/4	

Model No.	Fractional Size"	D1"	L2"	L1"	Shank Diameter	Price /Each
TC0036	1/4	0.2500	2 1/2	4 3/8	1/4	
TC0037	5/16	0.3125	2 3/4	4 5/8	5/16	
TC0038	3/8	0.3750	2 3/4	4 5/8	3/8	
TC0039	7/16	0.4375	3 1/2	5 3/8	7/16	
TC0040	1/2	0.5000	4	5 7/8	1/2	
TC0041	9/16	0.5625	4	5 7/8	1/2	
TC0042	39/64	0.6094	4 1/2	6 3/8	1/2	
TC0043	5/8	0.6250	4 1/2	6 3/8	1/2	
TC0044	11/16	0.6875	4 1/2	6 3/8	1/2	
TC0045	3/4	0.7500	5	6 7/8	1/2	
TC0046	13/16	0.8125	5	6 7/8	1/2	
TC0047	7/8	0.8750	5	6 7/8	1/2	
TC0048	15/16	0.9375	5	6 7/8	1/2	
TC0049	1	1	5	6 7/8	1/2	
TC0050	1 1/16	1.0625	5	6 7/8	1/2	

Model No.	Fractional Size"	D1"	L2"	L1"	Hex Diameter	Price /Each
TC0051	11/16	0.6875	4 1/2	6 1/2	1 1/16	
TC0052	13/16	0.8125	5	7	1 1/4	
TC0053	15/16	0.9375	5	7	1 7/16	
TC0054	1 1/16	1.0625	5	7	1 5/8	



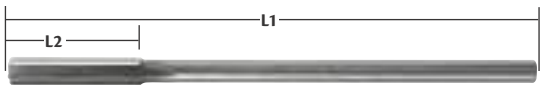
CHUCKING REAMERS - HIGH SPEED STEEL

- Right hand cut
- High speed steel
- Straight shank
- Straight flute

Application:

Straight Flute Chucking Reamers are designed for general purpose reaming. Ground with 45° chamfer.

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FRACTIONAL SIZES

Model No.	Fractional Size"	Decimal Equiv."	L2"	L1"	Price /Each
BK156	3/64	0.0469	1/2	2 1/2	
BK157	1/16	0.0625	1/2	2 1/2	
BK158	5/64	0.0781	3/4	3	
BK159	3/32	0.0938	3/4	3	
BK160	7/64	0.1094	7/8	3 1/2	
BK161	1/8	0.1250	7/8	3 1/2	
BK162	9/64	0.1406	1	4	
BK163	5/32	0.1562	1	4	
BK164	11/64	0.1719	1 1/8	4 1/2	
BK165	3/16	0.1875	1 1/8	4 1/2	
BK166	13/64	0.2031	1 1/4	5	
BK167	7/32	0.2188	1 1/4	5	
BK168	15/64	0.2344	1 1/2	6	
BK169	1/4	0.2500	1 1/2	6	
BK170	17/64	0.2656	1 1/2	6	
BK171	9/32	0.2812	1 1/2	6	
BK172	19/64	0.2969	1 1/2	6	
BK173	5/16	0.3125	1 1/2	6	
BK174	21/64	0.3281	1 1/2	6	
BK175	11/32	0.3438	1 1/2	6	
BK176	23/64	0.3594	1 3/4	7	
BK177	3/8	0.3750	1 3/4	7	
BK178	25/64	0.3906	1 3/4	7	
BK179	13/32	0.4062	1 3/4	7	
BK180	27/64	0.4219	1 3/4	7	
BK181	7/16	0.4375	1 3/4	7	
BK182	29/64	0.4531	1 3/4	7	

Model No.	Fractional Size"	Decimal Equiv."	L2"	L1"	Price /Each
BK183	15/32	0.4688	1 3/4	7	
BK184	31/64	0.4844	2	8	
BK185	1/2	0.5000	2	8	
BK186	17/32	0.5313	2	8	
BK187	9/16	0.5625	2	8	
BK188	19/32	0.5938	2	8	
BK189	5/8	0.6250	2 1/4	9	
BK190	21/32	0.6563	2 1/4	9	
BK191	11/16	0.6875	2 1/4	9	
BK192	23/32	0.7188	2 1/4	9	
BK193	3/4	0.7500	2 1/2	9 1/2	
BK194	25/32	0.7813	2 1/2	9 1/2	
BK195	13/16	0.8125	2 1/2	9 1/2	
BK196	27/32	0.8438	2 1/2	9 1/2	
BK197	7/8	0.8750	2 5/8	10	
BK198	29/32	0.9063	2 5/8	10	
BK199	15/16	0.9375	2 5/8	10	
BK200	31/32	0.9688	2 5/8	10	
BK201	1	1.0000	2 3/4	10 1/2	
BK202	1 1/16	1.0625	2 3/4	10 1/2	
BK203	1 1/8	1.1250	2 7/8	11	
BK204	1 3/16	1.1875	2 7/8	11	
BK205	1 1/4	1.2500	3	11 1/2	
BK206	1 5/16	1.3125	3	11 1/2	
BK207	1 3/8	1.3750	3 1/4	12	
BK208	1 7/16	1.4375	3 1/4	12	
BK209	1 1/2	1.5000	3 1/2	12 1/2	

WIRE GAUGE SIZES

Model No.	Wire No.	Decimal Equiv."	L2"	L1"	Price /Each
BK269	60	0.0400	1/2	2 1/2	
BK268	59	0.0410	1/2	2 1/2	
BK267	58	0.0420	1/2	2 1/2	
BK266	57	0.0430	1/2	2 1/2	
BK265	56	0.0465	1/2	2 1/2	
BK264	55	0.0520	1/2	2 1/2	
BK263	54	0.0550	1/2	2 1/2	
BK262	53	0.0595	1/2	2 1/2	
BK261	52	0.0635	1/2	2 1/2	
BK260	51	0.0670	3/4	3	
BK259	50	0.0700	3/4	3	
BK258	49	0.0730	3/4	3	
BK257	48	0.0760	3/4	3	
BK256	47	0.0785	3/4	3	
BK255	46	0.0810	3/4	3	
BK254	45	0.0820	3/4	3	
BK253	44	0.0860	3/4	3	
BK252	43	0.0890	3/4	3	
BK251	42	0.0935	3/4	3	
BK250	41	0.0960	7/8	3 1/2	
BK249	40	0.0980	7/8	3 1/2	
BK248	39	0.0995	7/8	3 1/2	
BK247	38	0.1015	7/8	3 1/2	
BK246	37	0.1040	7/8	3 1/2	
BK245	36	0.1065	7/8	3 1/2	
BK244	35	0.1100	7/8	3 1/2	
BK243	34	0.1110	7/8	3 1/2	
BK242	33	0.1130	7/8	3 1/2	
BK241	32	0.1160	7/8	3 1/2	
BK240	31	0.1200	7/8	3 1/2	

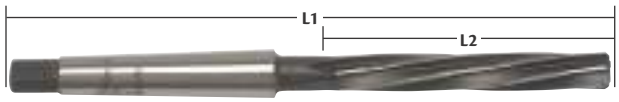
Model No.	Wire No.	Decimal Equiv."	L2"	L1"	Price /Each
BK239	30	0.1285	7/8	3 1/2	
BK238	29	0.1360	1	4	
BK237	28	0.1405	1	4	
BK236	27	0.1440	1	4	
BK235	26	0.1470	1	4	
BK234	25	0.1495	1	4	
BK233	24	0.1520	1	4	
BK232	23	0.1540	1	4	
BK231	22	0.1570	1	4	
BK230	21	0.1590	1 1/8	4 1/2	
BK229	20	0.1610	1 1/8	4 1/2	
BK228	19	0.1660	1 1/8	4 1/2	
BK227	18	0.1695	1 1/8	4 1/2	
BK226	17	0.1730	1 1/8	4 1/2	
BK225	16	0.1770	1 1/8	4 1/2	
BK224	15	0.1800	1 1/8	4 1/2	
BK223	14	0.1820	1 1/8	4 1/2	
BK222	13	0.1850	1 1/8	4 1/2	
BK221	12	0.1890	1 1/8	4 1/2	
BK220	11	0.1910	1 1/4	5	
BK219	10	0.1935	1 1/4	5	
BK218	9	0.1960	1 1/4	5	
BK217	8	0.1990	1 1/4	5	
BK216	7	0.2010	1 1/4	5	
BK215	6	0.2040	1 1/4	5	
BK214	5	0.2055	1 1/4	5	
BK213	4	0.2090	1 1/4	5	
BK212	3	0.2130	1 1/4	5	
BK211	2	0.2210	1 1/4	5	
BK210	1	0.2280	1 1/4	5	

CHUCKING REAMERS - HIGH SPEED STEEL (CONT'D)

CLARKSON OSBORN

- Right hand cut
- High speed steel
- Morse Taper shank
- Spiral flute

Application:
Machine reamers are designed for use on a machine equipped with a Morse taper spindle.



FRACTIONAL SIZES

Model No.	Fractional Size "	Morse Taper Shank Size	Decimal Equiv."	L2 mm	L1 mm	Price /Each
BK550	1/8	MT1	0.1250	33.0	106.0	
TBM147	9/64	MT1	0.1406	35.0	108.0	
TBM148	5/32	MT1	0.1562	38.0	112.0	
TBM150	11/64	MT1	0.1719	41.0	115.0	
BK551	3/16	MT1	0.1875	44.0	118.0	
TBM152	13/64	MT1	0.2031	44.0	118.0	
BK552	7/32	MT1	0.2188	48.0	125.0	
TBM154	15/64	MT1	0.2344	48.0	125.0	
BK553	1/4	MT1	0.2500	50.0	130.0	
TBM156	17/64	MT1	0.2656	54.0	134.0	
TBM157	9/32	MT1	0.2813	54.0	134.0	
TBM159	19/64	MT1	0.2969	58.0	138.0	
BK554	5/16	MT1	0.3125	58.0	138.0	
TBM160	21/64	MT1	0.3281	58.0	138.0	
BK555	11/32	MT1	0.3438	62.0	141.0	
TBM161	23/64	MT1	0.3594	62.0	141.0	
BK556	3/8	MT1	0.3750	67.0	146.0	
BK557	25/64	MT1	0.3906	67.0	146.0	
BK558	13/32	MT1	0.4063	67.0	146.0	
BK559	27/64	MT1	0.4219	71.0	151.0	
BK560	7/16	MT1	0.4375	71.0	151.0	
TBM163	29/64	MT1	0.4531	71.0	151.0	
TBM164	15/32	MT1	0.4688	76.0	156.0	
TBM165	31/64	MT1	0.4844	76.0	156.0	
BK561	1/2	MT1	0.5000	76.0	156.0	
BK562	17/32	MT1	0.5313	81.0	160.0	

Model No.	Fractional Size "	Morse Taper Shank Size	Decimal Equiv."	L2 mm	L1 mm	Price /Each
BK563	9/16	MT2	0.5625	81.0	181.0	
TBM166	19/32	MT2	0.5938	87.0	187.0	
BK564	5/8	MT2	0.6250	87.0	187.0	
TBM167	21/32	MT2	0.6563	87.0	187.0	
BK565	11/16	MT2	0.6875	94.0	194.0	
BK566	23/32	MT2	0.7188	94.0	194.0	
BK567	3/4	MT2	0.7500	100.0	200.0	
TBM168	25/32	MT2	0.7813	100.0	200.0	
BK568	13/16	MT2	0.8125	100.0	200.0	
TBM169	27/32	MT2	0.8438	106.0	206.0	
BK569	7/8	MT2	0.8750	106.0	206.0	
BK570	15/16	MT3	0.9375	114.0	241.0	
TBM170	31/32	MT3	0.9688	114.0	241.0	
BK571	1	MT3	1.0000	114.0	241.0	
BK572	1 1/16	MT3	1.0625	124.0	251.0	
BK573	1 1/8	MT3	1.1250	124.0	251.0	
BK574	1 1/4	MT3	1.2500	133.0	260.0	
BK575	1 3/8	MT4	1.3750	142.0	303.0	
BK576	1 1/2	MT4	1.5000	152.0	312.0	
BK577	1 5/8	MT4	1.6250	152.0	312.0	
BK578	1 3/4	MT4	1.7500	163.0	323.0	
BK579	1 7/8	MT4	1.8750	175.0	334.0	
BK580	2	MT4	2.0000	175.0	334.0	

METRIC SIZES

Model No.	Metric Size mm	Morse Taper Shank Size	Decimal Equiv."	L2 mm	L1 mm	Price /Each
TBM145	3.00	MT1	0.1181	31.0	104.0	
TBM146	3.50	MT1	0.1378	35.0	108.0	
TBM149	4.00	MT1	0.1575	38.0	112.0	
TBM151	4.50	MT1	0.1772	41.0	115.0	
BK581	5.00	MT1	0.1969	44.0	118.0	
TBM153	5.50	MT1	0.2165	48.0	125.0	
BK582	6.00	MT1	0.2362	48.0	125.0	
TBM155	6.50	MT1	0.2559	50.0	130.0	
BK583	7.00	MT1	0.2756	54.0	134.0	
TBM158	7.50	MT1	0.2953	54.0	134.0	
BK584	8.00	MT1	0.3150	58.0	138.0	
BK585	8.50	MT1	0.3346	58.0	138.0	
BK586	9.00	MT1	0.3543	62.0	141.0	
TBM162	9.50	MT1	0.3740	62.0	141.0	
BK587	10.00	MT1	0.3937	67.0	146.0	
BK588	10.50	MT1	0.4134	67.0	146.0	
BK589	11.00	MT1	0.4331	71.0	151.0	
BK590	11.50	MT1	0.4528	71.0	151.0	
BK591	12.00	MT1	0.4724	76.0	156.0	
BK592	12.50	MT1	0.4921	76.0	156.0	
BK593	13.00	MT1	0.5118	76.0	156.0	
BK594	14.00	MT1	0.5512	81.0	160.0	
BK595	15.00	MT2	0.5906	81.0	181.0	
BK596	16.00	MT2	0.6299	87.0	187.0	
BK597	17.00	MT2	0.6693	87.0	187.0	

Model No.	Metric Size mm	Morse Taper Shank Size	Decimal Equiv."	L2 mm	L1 mm	Price /Each
BK598	18.00	MT2	0.7087	94.0	194.0	
BK599	19.00	MT2	0.7480	94.0	194.0	
BK600	20.00	MT2	0.7874	100.0	200.0	
BK601	21.00	MT2	0.8268	100.0	200.0	
BK602	22.00	MT2	0.8661	106.0	206.0	
BK603	23.00	MT2	0.9055	106.0	206.0	
BK604	24.00	MT3	0.9449	114.0	241.0	
BK605	25.00	MT3	0.9843	114.0	241.0	
BK606	26.00	MT3	1.0236	114.0	241.0	
BK607	27.00	MT3	1.0630	124.0	251.0	
BK608	28.00	MT3	1.1024	124.0	251.0	
BK609	30.00	MT3	1.1811	124.0	251.0	
BK610	32.00	MT4	1.2598	133.0	294.0	
TBM171	33.00	MT4	1.2992	133.0	294.0	
BK611	34.00	MT4	1.3386	142.0	303.0	
TBM172	35.00	MT4	1.3780	142.0	303.0	
BK612	36.00	MT4	1.4173	142.0	303.0	
BK613	38.00	MT4	1.4961	152.0	312.0	
BK614	40.00	MT4	1.5748	152.0	312.0	
BK615	42.00	MT4	1.6535	152.0	312.0	
BK616	44.00	MT4	1.7323	163.0	323.0	
BK617	45.00	MT4	1.7717	163.0	323.0	
TBM173	46.00	MT4	1.8110	163.0	323.0	
BK618	48.00	MT4	1.8898	175.0	334.0	
TBM174	50.00	MT4	1.9685	175.0	334.0	

CHUCKING REAMERS (CONT'D)

LETTER GAUGE SIZES

Model No.	Letter Size	Decimal Equiv."	L2"	L1"	Price /Each
BK270	A	0.2340	1 1/2	6	
BK271	B	0.2380	1 1/2	6	
BK272	C	0.2420	1 1/2	6	
BK273	D	0.2460	1 1/2	6	
BK169	E	0.2500	1 1/2	6	
BK274	F	0.2570	1 1/2	6	
BK275	G	0.2610	1 1/2	6	
BK276	H	0.2660	1 1/2	6	
BK277	I	0.2720	1 1/2	6	
BK278	J	0.2770	1 1/2	6	
BK279	K	0.2810	1 1/2	6	
BK280	L	0.2900	1 1/2	6	
BK281	M	0.2950	1 1/2	6	
BK282	N	0.3020	1 1/2	6	
BK283	O	0.3160	1 1/2	6	
BK284	P	0.3230	1 1/2	6	
BK285	Q	0.3320	1 1/2	6	
BK286	R	0.3390	1 1/2	6	
BK287	S	0.3480	1 3/4	7	
BK288	T	0.3580	1 3/4	7	
BK289	U	0.3680	1 3/4	7	
BK290	V	0.3770	1 3/4	7	
BK291	W	0.3860	1 3/4	7	
BK292	X	0.3970	1 3/4	7	
BK293	Y	0.4040	1 3/4	7	
BK294	Z	0.4130	1 3/4	7	

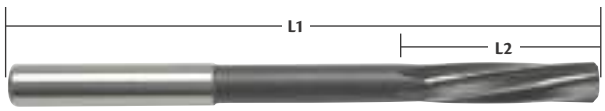
CHUCKING REAMERS - COBALT

- Right hand cut
- M42 Cobalt for hard steels & alloys
- Straight shank
- Spiral flute

Applications:

Spiral flute chucking reamers are designed for reaming materials where additional shear is necessary and to improve chip removal in blind holes. Ground with 45° chamfer.

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FRACTIONAL SIZES

Model No.	Fractional Size "	Decimal Equiv."	L2 mm	L1 mm	Price /Each
BK371	3/32	0.0938	14.0	57.0	
BK372	1/8	0.1250	16.0	65.0	
BK373	5/32	0.1563	19.0	75.0	
BK374	11/64	0.1719	21.0	80.0	
BK375	3/16	0.1875	23.0	86.0	
BK376	7/32	0.2188	26.0	93.0	
BK377	1/4	0.2500	28.0	101.0	
BK378	9/32	0.2813	31.0	109.0	
BK379	5/16	0.3125	33.0	117.0	
BK380	11/32	0.3438	36.0	125.0	
BK381	3/8	0.3750	38.0	133.0	
BK382	13/32	0.4063	38.0	133.0	
BK383	7/16	0.4375	41.0	142.0	
BK384	15/32	0.4688	44.0	151.0	
BK385	1/2	0.5000	44.0	151.0	
BK386	9/16	0.5625	50.0	162.0	
BK387	5/8	0.6250	52.0	170.0	

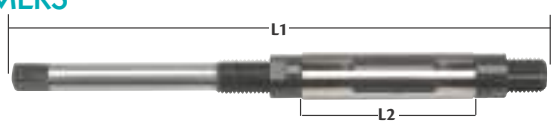
METRIC SIZES

Model No.	Metric Size mm	Decimal Equiv."	L2 mm	L1 mm	Price /Each
BK388	3.00	0.1181	15.0	61.0	
BK389	3.50	0.1378	18.0	70.0	
BK390	4.00	0.1575	19.0	75.0	
BK391	4.50	0.1772	21.0	80.0	
BK392	5.00	0.1969	23.0	86.0	
BK393	6.00	0.2362	26.0	93.0	
BK394	7.00	0.2756	31.0	109.0	
BK395	8.00	0.3150	33.0	117.0	
BK396	9.00	0.3543	36.0	125.0	
BK397	10.00	0.3937	38.0	133.0	
BK398	11.00	0.4331	41.0	142.0	
BK399	12.00	0.4724	44.0	151.0	
BK400	13.00	0.5118	44.0	151.0	
BK401	14.00	0.5512	47.0	160.0	
BK402	15.00	0.5906	50.0	162.0	
BK403	16.00	0.6299	52.0	170.0	

ADJUSTABLE HAND REAMERS

- High Speed Steel
- Right hand cutting direction

CLARKSON OSBORN



Applications:

Adjustable hand reamers are designed with enough adjustment to ream almost any odd size hole encountered in reaming. The blades are made of high speed steel for long life and can be adjusted by loosening one nut while tightening the other.

COMPLETE SETS

Model No.	Adjustment From"	Adjustment To"	No. of Blades	L2 mm	L1 mm	Price /Each
BK619	1/4	9/32	4	34.13	82.55	
BK620	9/32	5/16	4	34.13	88.90	
BK621	5/16	11/32	4	38.10	111.12	
BK622	11/32	3/8	4	38.10	104.78	
BK623	3/8	13/32	6	38.10	120.65	
BK624	13/32	7/16	6	38.10	127.00	
BK625	7/16	15/32	6	41.28	133.35	
BK626	15/32	17/32	6	41.28	139.70	
BK627	17/32	19/32	6	46.04	146.05	
BK628	19/32	21/32	6	52.39	165.10	
BK629	21/32	23/32	6	55.56	171.45	
BK630	23/32	25/32	6	66.50	177.80	
BK631	25/32	27/32	6	66.68	187.32	
BK632	27/32	15/16	6	76.20	203.20	
BK633	15/16	1 1/16	6	82.55	228.60	
BK634	1 1/16	1 3/16	6	85.72	254.00	
BK635	1 3/16	1 11/32	6	98.42	279.40	
BK636	1 11/32	1 1/2	6	107.95	304.80	
BK637	1 1/2	1 13/16	6	112.71	355.60	
BK638	1 13/16	2 7/32	6	123.83	406.40	
TBM096	2 7/32	2 3/4	6	127.00	457.20	
TBM097	2 3/4	3 11/32	6	133.35	508.00	

REPLACEMENT PARTS

Blade Set Model No.	Price /Each	Pilot Model No.	Price /Each	Nut Model No.	Price /Each
BK639		TBM296		TBM300	
BK640		TBM297		TBM301	
BK641		TBM298		TBM302	
BK642		TBM299		TBM303	
BK643		TBM106		TBM125	
BK644		TBM107		TBM126	
BK645		TBM108		TBM127	
TBM098		TBM109		TBM128	
TBM099		TBM110		TBM129	
BK646		TBM111		TBM130	
TBM100		TBM112		TBM131	
TBM101		TBM113		TBM132	
TBM102		TBM114		TBM133	
BK647		TBM115		TBM134	
BK648		TBM116		TBM135	
BK649		TBM117		TBM136	
BK650		TBM118		TBM137	
BK651		TBM119		TBM138	
BK652				TBM139	
TBM103		TBM121		TBM140	
TBM104		TBM122		TBM141	
TBM105		TBM123		TBM142	

WELDON SHANK END MILLS - STANDARD LENGTH - 2 FLUTE

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D1 Frac"	D1 Dec"	Shank Dia. "	L2"	L1"	Flutes	HSS Model No.	HSS Price/Each	Cobalt Model No.	Cobalt Price/Each
1/8	0.1250	3/8	3/8	2 5/16	2	-	-	BI161	
5/32	0.1563	3/8	7/16	2 5/16	2	BI292		BI162	
3/16	0.1875	3/8	7/16	2 5/16	2	QD764		BI163	
7/32	0.2188	3/8	1/2	2 5/16	2	BI293		BI164	
1/4	0.2500	3/8	1/2	2 5/16	2	QD765		BI165	
9/32	0.2813	3/8	9/16	2 5/16	2	QD766		-	-
5/16	0.3125	3/8	9/16	2 5/16	2	-	-	BI166	
11/32	0.3438	3/8	9/16	2 5/16	2	QD768		-	-
3/8	0.3750	3/8	9/16	2 5/16	2	QD769		BI167	
13/32	0.4063	3/8	13/16	2 1/2	2	BI294		-	-
7/16	0.4375	3/8	13/16	2 1/2	2	QR042		BI168	
15/32	0.4688	3/8	13/16	2 1/2	2	BI295		-	-
1/2	0.5000	3/8	13/16	2 1/2	2	-	-	BI169	
1/2	0.5000	1/2	1	3	2	QD771		BI170	
17/32	0.5313	1/2	1 1/8	3 1/8	2	BI296		-	-
9/16	0.5625	1/2	1 1/8	3 1/8	2	QR043		BI171	
19/32	0.5938	5/8	1 1/8	3 1/8	2	BI297		-	-
5/8	0.6250	1/2	1 1/8	3 1/8	2	-	-	BI172	
5/8	0.6250	5/8	1 5/16	3 7/16	2	QR044		BI173	
11/16	0.6875	5/8	1 5/16	3 7/16	2	QR045		BI174	

D1 Frac"	D1 Dec"	Shank Dia. "	L2"	L1"	Flutes	HSS Model No.	HSS Price/Each	Cobalt Model No.	Cobalt Price/Each
3/4	0.7500	5/8	1 5/16	3 7/16	2	-	-	BI175	
3/4	0.7500	3/4	1 5/16	3 7/16	2	QR046		BI176	
25/32	0.7813	5/8	1 1/2	3 5/8	2	BI299		-	-
13/16	0.8125	5/8	1 1/2	3 5/8	2	BI300		-	-
27/32	0.8438	3/4	1 1/2	3 3/4	2	BI302		-	-
7/8	0.8750	3/4	1 1/2	3 3/4	2	BI303		BI177	
7/8	0.8750	7/8	1 1/2	3 3/4	2	BI306		BI179	
29/32	0.9063	7/8	1 1/2	3 3/4	2	BI307		-	-
15/16	0.9375	7/8	1 1/2	3 3/4	2	BI308		-	-
31/32	0.9688	3/4	1 1/2	3 3/4	2	BI304		-	-
1	1.0000	3/4	1 1/2	3 3/4	2	BI305		BI178	
1	1.0000	1	1 5/8	4 1/8	2	-	-	BI180	
1 1/8	1.1250	1	1 5/8	4 1/8	2	BI310		-	-
1 1/4	1.2500	1	1 5/8	4 1/8	2	-	-	BI181	
1 1/4	1.2500	1 1/4	1 5/8	4 1/8	2	BI311		BI183	
1 3/8	1.3750	1 1/4	1 5/8	4 1/8	2	BI312		-	-
1 1/2	1.5000	1	1 5/8	4 1/8	2	-	-	BI182	
1 1/2	1.5000	1 1/4	1 5/8	4 1/8	2	BI313		BI184	
1 3/4	1.7500	1 1/4	1 5/8	4 1/8	2	BI314		-	-
2	2.0000	1 1/4	1 5/8	4 1/8	2	BI315		-	-

WELDON SHANK SLOT DRILLS - STANDARD LENGTH - 2 FLUTE

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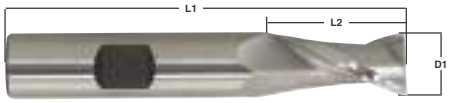


Cobalt Model No.	D1 mm	D1 Dec"	Shank Dia. mm	L2 mm	L1 mm	Flutes	Cobalt Price/Each
BJ582	1.5	0.0591	6.0	3.0	48.0	2	
BJ583	2.0	0.0787	6.0	4.0	48.0	2	
BJ584	2.5	0.0984	6.0	5.0	59.0	2	
BJ585	3.0	0.1181	6.0	5.0	49.0	2	
BJ586	3.5	0.1378	6.0	6.0	50.0	2	
BJ587	4.0	0.1575	6.0	7.0	51.0	2	
BJ588	4.5	0.1772	6.0	7.0	51.0	2	
BJ589	5.0	0.1969	6.0	8.0	52.0	2	
BJ590	5.5	0.2165	6.0	8.0	52.0	2	
BJ591	6.0	0.2362	6.0	8.0	52.0	2	
BJ592	6.5	0.2559	10.0	10.0	60.0	2	
BJ593	7.0	0.2756	10.0	10.0	60.0	2	
BJ594	7.5	0.2953	10.0	10.0	60.0	2	
BJ595	8.0	0.3150	10.0	11.0	61.0	2	
BJ596	8.5	0.3346	10.0	11.0	61.0	2	
BJ597	9.0	0.3543	10.0	11.0	61.0	2	
BJ598	9.5	0.3740	10.0	11.0	61.0	2	
BJ599	10.0	0.3937	10.0	13.0	63.0	2	
BJ600	10.5	0.4134	12.0	13.0	70.0	2	
BJ601	11.0	0.4331	12.0	13.0	70.0	2	

Cobalt Model No.	D1 mm	D1 Dec"	Shank Dia. mm	L2 mm	L1 mm	Flutes	Cobalt Price/Each
BJ602	12.0	0.4724	12.0	16.0	73.0	2	
BJ603	13.0	0.5118	12.0	16.0	73.0	2	
BJ604	14.0	0.5512	12.0	16.0	73.0	2	
BJ605	15.0	0.5906	12.0	16.0	73.0	2	
BJ606	16.0	0.6299	16.0	19.0	79.0	2	
BJ607	18.0	0.7087	16.0	19.0	79.0	2	
BJ608	20.0	0.7874	20.0	22.0	88.0	2	
BJ609	22.0	0.8661	20.0	22.0	88.0	2	
BJ610	24.0	0.9449	25.0	26.0	102.0	2	
BJ611	25.0	0.9843	25.0	26.0	102.0	2	
BJ612	26.0	1.0236	25.0	26.0	102.0	2	
BJ613	28.0	1.1024	25.0	26.0	102.0	2	
BJ614	30.0	1.1811	25.0	26.0	102.0	2	
BJ615	32.0	1.2598	32.0	32.0	112.0	2	
BJ616	36.0	1.4173	32.0	32.0	112.0	2	
BJ617	38.0	1.4961	32.0	38.0	120.0	2	
BJ618	40.0	1.5748	32.0	38.0	120.0	2	
BJ619	45.0	1.7717	32.0	38.0	120.0	2	
BJ620	50.0	1.9685	32.0	45.0	137.0	2	

WELDON SHANK SLOT DRILLS

CLARKSON OSBORN



2 FLUTE - COBALT - KEYWAY TOLERANCE

Model No.	Dl +.000/-.0015"	DEC"	Shank Dia."	L2"	L1"	Flutes	Price /Each
BI136	1/8	0.1250	3/8	3/8	2 5/16	2	
BI137	5/32	0.1563	3/8	7/16	2 5/16	2	
BI138	3/16	0.1875	3/8	7/16	2 5/16	2	
BI139	7/32	0.2188	3/8	1/2	2 5/16	2	
BI140	1/4	0.2500	3/8	1/2	2 5/16	2	
BI141	9/32	0.2813	3/8	9/16	2 5/16	2	
BI142	5/16	0.3125	3/8	9/16	2 5/16	2	
BI143	11/32	0.3438	3/8	9/16	2 5/16	2	
BI144	3/8	0.3750	3/8	9/16	2 5/16	2	
BI145	13/32	0.4063	3/8	13/16	2 1/2	2	
BI146	7/16	0.4375	3/8	13/16	2 1/2	2	
BI147	15/32	0.4688	3/8	13/16	2 1/2	2	
BI148	1/2	0.5000	1/2	1	3	2	

Model No.	Dl +.000/-.0015"	DEC"	Shank Dia."	L2"	L1"	Flutes	Price /Each
BI149	9/16	0.5625	1/2	1 1/8	3 1/8	2	
BI150	5/8	0.6250	5/8	1 5/16	3 7/16	2	
BI151	11/16	0.6875	5/8	1 5/16	3 7/16	2	
BI152	3/4	0.7500	3/4	1 5/16	3 7/16	2	
BI153	13/16	0.8125	5/8	1 1/2	3 5/8	2	
BI154	7/8	0.8750	3/4	1 1/2	3 3/4	2	
BI155	1	1.0000	1	1 5/8	4 1/8	2	
BI156	1 1/8	1.1250	1	1 5/8	4 1/8	2	
BI157	1 1/4	1.2500	1 1/4	1 5/8	4 1/8	2	
BI158	1 1/2	1.5000	1 1/4	1 5/8	4 1/8	2	
BI159	1 3/4	1.7500	1 1/4	1 5/8	4 1/8	2	
BI160	2	2.0000	1 1/4	1 5/8	4 1/8	2	

WELDON SHANK 3 FLUTE SUPERMILLS

CLARKSON OSBORN



Cobalt Model No.	D1 mm	DEC"	Shank Dia. mm	L2 mm	L1 mm	Flutes	Cobalt Price/Each
BJ664	3.0	0.1181	6.0	8.0	52.0	3	
TBL877	3.5	0.1378	6.0	10.0	54.0	3	
BJ665	4.0	0.1575	6.0	11.0	55.0	3	
TBL878	4.5	0.1772	6.0	11.0	55.0	3	
BJ666	5.0	0.1969	6.0	13.0	57.0	3	
TBL879	5.5	0.2165	6.0	13.0	57.0	3	
BJ667	6.0	0.2362	6.0	13.0	57.0	3	
BJ668	8.0	0.3150	10.0	19.0	69.0	3	
BJ669	10.0	0.3937	10.0	22.0	72.0	3	
BJ670	12.0	0.4724	12.0	26.0	83.0	3	
BJ671	14.0	0.5512	12.0	26.0	83.0	3	
BJ672	16.0	0.6299	16.0	32.0	92.0	3	
BJ673	18.0	0.7087	16.0	32.0	92.0	3	
TBL880	20.0	0.7874	20.0	38.0	104.0	3	
BJ674	22.0	0.8661	20.0	38.0	104.0	3	
TBL881	24.0	0.9449	25.0	45.0	121.0	3	
BJ675	25.0	0.9843	25.0	45.0	121.0	3	
TBL882	26.0	1.0236	25.0	45.0	121.0	3	
BJ676	28.0	1.1024	25.0	45.0	121.0	3	
BJ677	30.0	1.1811	25.0	45.0	121.0	3	
BJ678	32.0	1.2598	32.0	53.0	133.0	3	
TBL883	40.0	1.5748	32.0	63.0	143.0	3	
TBL884	50.0	1.9685	32.0	75.0	155.0	3	

LONG SERIES

Cobalt Model No.	D1 mm	DEC"	Shank Dia. mm	L2 mm	L1 mm	Flutes	Cobalt Price/Each
TBL885	3.0	0.1181	6.0	12.0	56.0	3	
BJ680	4.0	0.1575	6.0	19.0	63.0	3	
TBL886	5.0	0.1969	6.0	24.0	680	3	
TBL887	6.0	0.2362	6.0	24.0	68.0	3	
TBL888	8.0	0.3150	10.0	38.0	88.0	3	
BJ683	10.0	0.3937	10.0	45.0	95.0	3	
TBL889	12.0	0.4724	12.0	53.0	110.0	3	
TBL890	14.0	0.5512	12.0	53.0	110.0	3	
TBL891	16.0	0.6299	16.0	63.0	123.0	3	
TBL892	18.0	0.7087	16.0	63.0	123.0	3	
TBL893	20.0	0.7874	20.0	75.0	135.0	3	
TBL894	22.0	0.8661	20.0	75.0	147.0	3	
TBL895	24.0	0.9449	25.0	90.0	166.0	3	
TBL896	25.0	0.9843	25.0	90.0	166.0	3	
TBL897	28.0	1.1024	25.0	90.0	166.0	3	
TBL898	30.0	1.1811	25.0	90.0	166.0	3	

Ask us about volume prices!

In many cases you will benefit from quantity prices.



ENDMILLS

SOLID CARBIDE – SQUARE END

- Solid micro-grain carbide
- Available in 2, 3 and 4-flute models
- Right-hand cutting direction
- Centre cut - designed to plunge cut or drill to depth and then mill sideways into work
- Bright finish

Applications:

For machining tough work hardening metals, stainless steel, titanium, monel, inconel, and super alloys.

CLARKSON OSBORN



Fractional Size"	Decimal Equiv"	Shank Ø	Overall L1"	Flute L2"	2-Flute Model No.	Price /Each	3-Flute Model No.	Price /Each	4-Flute Model No.	Price /Each
1/32	0.0313	1/8	5/64	1 1/2	BK909		-	-	BK966	
3/64	0.0469	1/8	7/64	1 1/2	BK910		-	-	BK967	
1/16	0.0625	1/8	3/16	1 1/2	BK911		BK947		BK968	
5/64	0.0781	1/8	3/16	1 1/2	BK912		TBM176		BK969	
3/32	0.0938	1/8	9/32	1 1/2	BK913		BK948		BK970	
7/64	0.1094	1/8	3/8	1 1/2	BK914		TBM177		BK971	
1/8	0.1250	1/8	1/2	1 1/2	BK915		BK949		BK972	
9/64	0.1406	3/16	1/2	2	BK916		TBM178		BK973	
5/32	0.1563	3/16	1/2	2	BK917		BK950		BK974	
11/64	0.1719	3/16	5/8	2	BK918		BK951		BK975	
3/16	0.1875	3/16	5/8	2	BK919		BK952		BK976	
13/64	0.2031	1/4	5/8	2 1/2	BK920		TBM179		BK977	
7/32	0.2188	1/4	5/8	2 1/2	BK921		BK953		BK978	
15/64	0.2344	1/4	3/4	2 1/2	BK922		BK954		BK979	
1/4	0.2500	1/4	3/4	2 1/2	BK923		BK955		BK980	
17/64	0.2656	5/16	3/4	2 1/2	BK924		TBM180		BK981	
9/32	0.2813	5/16	3/4	2 1/2	BK925		TBM181		BK982	
19/64	0.2969	5/16	13/16	2 1/2	BK926		TBM182		BK983	
5/16	0.3125	5/16	13/16	2 1/2	BK927		BK956		BK984	
21/64	0.3281	3/8	1	2 1/2	BK928		-	-	BK985	
11/32	0.3438	3/8	1	2 1/2	BK929		TBM184		BK986	
23/64	0.3594	3/8	1	2 1/2	BK930		TBM185		BK987	
3/8	0.3750	3/8	1	2 1/2	BK931		BK957		BK988	
25/64	0.3906	7/16	1	2 3/4	TBM175		TBM186		TBM193	
13/32	0.4063	7/16	1	2 3/4	BK932		BK958		BK989	
27/64	0.4219	7/16	1	2 3/4	BK933		TBM187		TBM194	
7/16	0.4375	7/16	1	2 3/4	BK934		BK959		BK990	
29/64	0.4531	1/2	1	3	BK935		TBM188		TBM195	
15/32	0.4688	1/2	1	3	BK936		TBM189		BK991	
31/64	0.4844	1/2	1	3	BK937		TBM190		TBM196	
1/2	0.5000	1/2	1	3	BK938		BK960		BK992	
9/16	0.5625	9/16	1 1/8	3 1/2	BK939		TBM191		BK993	
5/8	0.6250	5/8	1 1/4	3 1/2	BK940		BK961		BK994	
11/16	0.6875	3/4	1 3/8	4	BK941		TBM192		BK995	
3/4	0.7500	3/4	1 1/2	4	BK942		BK962		BK996	
7/8	0.8750	7/8	1 1/2	4	BK943		BK963		BK997	
1	1.0000	1	1 1/2	4	BK944		BK964		BK998	

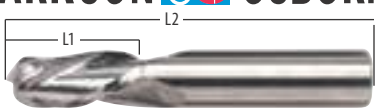
SOLID CARBIDE – BALL END

- Solid micro-grain carbide
- Available in 2, 3 and 4-flute models
- Right-hand cutting direction
- Centre cut - designed to plunge cut or drill to depth and then mill sideways into work
- Bright finish

Applications:

for machining tough work hardening metals, stainless steel, titanium, monel, inconel, and super alloys

CLARKSON OSBORN



Fractional Size"	Decimal Equiv"	Shank Ø	Overall L1"	Flute L2"	2-Flute Model No.	Price /Each	3-Flute Model No.	Price /Each	4-Flute Model No.	Price /Each
1/32	0.0313	1/8	5/64	1 1/2	BL001		-	-	BL044	
3/64	0.0469	1/8	7/64	1 1/2	BL002		-	-	BL045	
1/16	0.0625	1/8	3/16	1 1/2	BL003		BL033		BL046	
5/64	0.0781	1/8	3/16	1 1/2	BL004		TBM203		BL047	
3/32	0.0938	1/8	9/32	1 1/2	BL005		BL034		BL048	
7/64	0.1094	1/8	3/8	1 1/2	BL006		TBM204		BL049	
1/8	0.1250	1/8	1/2	1 1/2	BL007		BL035		BL050	
9/64	0.1406	3/16	1/2	2	BL008		TBM205		BL051	
5/32	0.1563	3/16	1/2	2	BL009		BL036		BL052	
11/64	0.1719	3/16	5/8	2	BL010		TBM206		TBM223	
3/16	0.1875	3/16	5/8	2	BL011		BL037		BL053	
13/64	0.2031	1/4	5/8	2 1/2	BL012		TBM207		BL054	
7/32	0.2188	1/4	5/8	2 1/2	BL013		TBM208		BL055	
15/64	0.2344	1/4	3/4	2 1/2	BL014		TBM209		TBM224	
1/4	0.2500	1/4	3/4	2 1/2	BL015		BL038		BL056	
17/64	0.2656	5/16	3/4	2 1/2	BL016		TBM210		BL057	
9/32	0.2813	5/16	3/4	2 1/2	BL017		TBM211		BL058	
19/64	0.2969	5/16	13/16	2 1/2	BL018		TBM212		TBM225	
5/16	0.3125	5/16	13/16	2 1/2	BL019		BL039		BL059	
21/64	0.3281	3/8	1	2 1/2	BL020		TBM213		TBM226	
11/32	0.3438	3/8	1	2 1/2	BL021		TBM214		BL060	
23/64	0.3594	3/8	1	2 1/2	TBM197		TBM215		TBM227	
3/8	0.3750	3/8	1	2 1/2	BL022		BL040		BL061	
25/64	0.3906	7/16	1	2 3/4	TBM198		TBM216		TBM228	
13/32	0.4063	7/16	1	2 3/4	BL023		TBM217		BL062	
27/64	0.4219	7/16	1	2 3/4	TBM199		TBM218		TBM229	
7/16	0.4375	7/16	1	2 3/4	BL024		BL041		BL063	
29/64	0.4531	1/2	1	3	TBM200		TBM219		TBM230	
15/32	0.4688	1/2	1	3	BL025		TBM220		TBM231	
31/64	0.4844	1/2	1	3	BL026		TBM221		TBM232	
1/2	0.5000	1/2	1	3	BL027		BL042		BL064	
9/16	0.5625	9/16	1 1/8	3 1/2	BL028		TBM222		BL065	
5/8	0.6250	5/8	1 1/4	3 1/2	BL029		-	-	BL066	
11/16	0.6875	3/4	1 3/8	4	TBM201		-	-	TBM233	
3/4	0.7500	3/4	1 1/2	4	BL030		-	-	BL067	
7/8	0.8750	7/8	1 1/2	4	TBM202		-	-	BL068	
1	1.0000	1	1 1/2	4	BL031		-	-	BL069	

ENDMILLS

CLARKSON OSBORN

SOLID CARBIDE – SQUARE END

- Solid micro-grain carbide
- Available in 2 and 4-flute models
- Right-hand cutting direction
- Centre cut - designed to plunge cut or drill to depth and then mill sideways into work
- Bright finish



LONG LENGTH SERIES

Cutting Ø"	Shank Ø"	L1"	L"	2-Flute Model No.	Price /Each	4-Flute Model No.	Price /Each
1/8	0.1250	3/4	2 1/4	TBM252		BL078	
3/16	0.1875	3/4	2 1/4	BL070		BL079	
1/4	0.2500	1 1/8	3	BL071		BL080	
5/16	0.3125	1 1/8	3	BL072		BL081	
3/8	0.3750	1 1/8	3	BL073		BL082	
7/16	0.4375	2	4 1/2	BL074		BL083	
1/2	0.5000	2	4 1/2	BL075		BL084	
5/8	0.6250	2 1/4	5	BL076		BL085	
3/4	0.7500	2 1/4	5	BL077		BL086	
1	1.0000	2 1/4	5	TBM253		BL087	

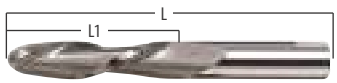
EXTRA LONG LENGTH

Cutting Ø"	Shank Ø"	L1"	L"	2-Flute Model No.	Price /Each	4-Flute Model No.	Price /Each
1/8	0.1250	1	3	TBM248		TBM250	
3/16	0.1875	1 1/8	3	BL101		BL109	
1/4	0.2500	1 1/2	4	BL102		BL110	
5/16	0.3125	1 5/8	4	BL103		BL111	
3/8	0.3750	1 3/4	4	BL104		BL112	
7/16	0.4375	3	6	TBM249		TBM251	
1/2	0.5000	3	6	BL105		BL113	
518	0.6250	3	6	BL106		BL114	
3/4	0.7500	3	6	BL107		BL115	
1	1.0000	3	6	BL108		BL116	

SOLID CARBIDE – BALL END

- Solid micro-grain carbide
- Available in 2 and 4-flute models
- Right-hand cutting direction
- Centre cut - designed to plunge cut or drill to depth and then mill sideways into work
- Bright finish

CLARKSON OSBORN



LONG LENGTH SERIES

Cutting Ø"	Shank Ø"	L1"	L"	2-Flute Model No.	Price /Each	4-Flute Model No.	Price /Each
1/8	0.1250	3/4	2 1/4	TBM265		TBM268	
3/16	0.1875	3/4	2 1/2	BL088		TBM269	
1/4	0.2500	1 1/8	3	BL089		BL095	
5/16	0.3125	1 1/8	3	BL090		BL096	
3/8	0.3750	1 1/8	3	BL091		BL097	
7/16	0.4375	2	4 1/2	TBM266		BL098	
1/2	0.5000	2	4 1/2	BL092		BL099	
5/8	0.6250	2 1/4	5	BL093		TBM270	
3/4	0.7500	2 1/4	5	BL094		TBM271	
1	1.0000	2 1/4	5	TBM267		BL100	

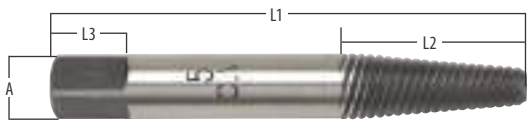
EXTRA LONG LENGTH

Cutting Ø"	Shank Ø"	L1"	L"	2-Flute Model No.	Price /Each	4-Flute Model No.	Price /Each
1/8	0.1250	1	3	TBM254		TBM260	
3/16	0.1875	1 1/8	3	BL117		BL121	
1/4	0.2500	1 1/2	4	BL118		BL122	
5/16	0.3125	1 5/8	4	TBM255		BL123	
3/8	0.3750	1 3/4	4	TBM256		BL124	
7/16	0.4375	3	6	TBM257		TBM261	
1/2	0.5000	3	6	BL119		BL125	
5/8	0.6250	3	6	TBM258		TBM262	
3/4	0.7500	3	6	BL120		TBM263	
1	1.0000	3	6	TBM259		TBM264	

SCREW EXTRACTORS

CLARKSON OSBORN

- Left-hand cut
- High speed steel
- Punch point
- Spiral flute



Applications:

Remove broken screws, bolts, studs, pipe and lubrication fittings without damage to the threaded hole. Designed with a left-hand helical flute to firmly grip and remove any right hand threaded screw or bolt from 3/16" to 1 3/4" in size.

Model No.	Size No.	Drill Size to Use"	For Screw /Bolt Sizes"	Price /Each
BM708	1	5/64	3/16 to 1/4	
BM709	2	7/64	1/4 to 5/16	
BM710	3	5/32	5/16 to 7/16	
BM711	4	1/4	7/16 to 9/16	
BM712	5	17/64	9/16 to 3/4	
BM713	6	13/32	3/4 to 1	
BM714	7	17/32	1-1 3/8	
BM715	8	13/16	1 3/8 to 1 3/4	



BM718

SETS

Model No.	Includes	Price /Each
BM716	5-piece set, includes extractor #1 to #5	
BM717	6-piece set, includes extractor #1 to #6	
BM718	8-piece set, includes extractor #1 to #8	

SOLID CARBIDE BURRS - 1/4" SHANK

SC9O DOUBLE CUT

- 1/4" shank
- Double cut
- Ideal for extra tough materials
- Excellent control allows for clean finish



CYLINDER SHAPE

Model No.	Mfg. No.	No.	Head Dia."	Flute Length"	Price /Each
BL240	SC90002	SA-12	1/8	5/8	
BL241	SC90003	SA-13	5/32	5/8	
BL242	SC90004	SA-14	3/16	5/8	
BL243	SC90005	SA-1	1/4	5/8	
BL244	SC90006	SA-1 L	1/4	1	
BL245	SC90007	SA-2	5/16	3/4	
BL246	SC90008	SA-3	3/8	3/4	
BL247	SC90009	SA-3L	3/8	1	
BL248	SC90010	SA-3X	3/8	1 1/2	
BL249	SC90011	SA-4	7/16	1	
BL250	SC90012	SA-5	1/2	1	
BL251	SC90013	SA-6	5/8	1	
BL252	SC90014	SA-7	3/4	1	
BL253	SC90015	SA-15	3/4	1/2	
BL254	SC90016	SA-16	3/4	3/4	
BL255	SC90017	SA-8	7/8	1	
BL256	SC90018	SA-9	1	1	



CYLINDER SHAPE WITH END CUT

Model No.	Mfg. No.	No.	Head Dia."	Flute Length"	Price /Each
BL258	SC90020	SB-12	1/8	5/8	
BL259	SC90021	SB-13	5/32	5/8	
BL260	SC90022	SB-14	3/16	5/8	
BL261	SC90023	SB-1	1/4	5/8	
BL262	SC90024	SB-1 L	1/4	1	
BL263	SC90025	SB-2	5/16	3/4	
BL264	SC90026	SB-3	3/8	3/4	
BL265	SC90027	SB-3L	3/8	1	
BL266	SC90028	SB-3X	3/8	1 1/2	
BL267	SC90029	SB-4	7/16	1	
BL268	SC90030	SB-5	1/2	1	
BL269	SC90031	SB-6	5/8	1	
BL270	SC90032	SB-7	3/4	1	
BL271	SC90033	SB-15	3/4	1/2	
BL272	SC90034	S8-16	3/4	3/4	
BL273	SC90035	SB-8	7/8	1	
BL274	SC90036	SE-9	1	1	



CYLINDER SHAPE WITH RADIUS END

Model No.	Mfg. No.	No.	Head Dia."	Flute Length"	Price /Each
BL275	SC90037	SC-11	1/8	1/2	
BL276	SC90038	SC-12	1/8	5/8	
BL277	SC90039	SC-3	5/32	5/8	
BL278	SC90040	SC-14	3/16	5/8	
BL279	SC90041	SC-1	1/4	5/8	
BL280	SC90042	SC-IL	1/4	1	
BL281	SC90043	SC-2	5/16	3/4	
BL282	SC90044	SC-3	3/8	3/4	
BL283	SC90045	SC-3L	3/8	1	
BL284	SC90046	SC-3X	3/8	1 1/2	
BL285	SC90047	SC-4	7/16	1	
BL286	SC90048	SC-5	1/2	1	
BL287	SC90049	SC-6	5/8	1	
BL288	SC90050	SC-7	3/4	1	
TBM293	SC90051	SC-15	3/4	1/2	
BL289	SC90052	SC-16	3/4	3/4	
BL290	SC90053	SSC-9	1	1	

CLARKSON OSBORN



BALL SHAPE

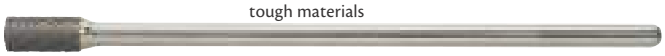
Model No.	Mfg. No.	No.	Head Dia."	Flute Length"	Price /Each
BL291	SC90054	SD-11	1/8	3/32	
BL292	SC90055	SD-14	3/16	1/8	
BL293	SC90056	SD-1	1/4	3/16	
BL294	SC90057	SD-2	5/16	1/4	
BL295	SC90058	SD-3	3/8	5/16	
BL296	SC90059	SD-4	7/16	3/8	
BL297	SC90060	SD-5	1/2	7/16	
BL298	SC90061	SD-6	5/8	9/16	
BL299	SC90062	SD-7	3/4	11/16	
BL300	SC90063	SD-9	1	15/16	

SOLID CARBIDE BURRS - 1/4" X 6" LONG SHANK

CLARKSON OSBORN

SC9O DOUBLE CUT

- 6" overall length
- 1/4" shank
- Double cut
- Ideal for extra tough materials
- Excellent control allows for clean finish



CYLINDER SHAPE

Model No.	Mfg. No.	No.	Head Dia."	Flute Length"	Price/Each
BL422	SC90601	SA-1L6	1/4	1/2	
BL423	SC90602	SA-3L6	3/8	3/4	
BL424	SC90603	SA-5L6	1/2	1	



CYLINDER SHAPE WITH RADIUS END

Model No.	Mfg. No.	No.	Head Dia."	Flute Length"	Price/Each
BL425	SC90604	SC-1L6	1/4	1/2	
BL426	SC90605	SC-3L6	3/8	3/4	
BL427	SC90606	SC-5L6	1/2	1	



BALL SHAPE

Model No.	Mfg. No.	No.	Head Dia."	Flute Length"	Price/Each
BL428	SC90607	SD-1L6	1/4	3/16	
BL429	SC90608	SD-3L6	3/8	5/16	
BL430	SC90609	SD-5L6	1/2	7/16	



OVAL SHAPE

Model No.	Mfg. No.	No.	Head Dia."	Flute Length"	Price/Each
BL431	SC90610	SE-1L6	1/4	3/8	
BL432	SC90611	SE-3L6	3/8	5/8	
BL433	SC90612	SE-5L6	1/2	7/8	



TREE SHAPE - RADIUS END

Model No.	Mfg. No.	No.	Head Dia."	Flute Length"	Price/Each
BL434	SC90613	SF-1L6	1/4	1/2	
BL435	SC90614	SF-3L6	3/8	3/4	
BL436	SC90615	SF-5L6	1/2	1	



TREE SHAPE - POINTED END

Model No.	Mfg. No.	No.	Head Dia."	Flute Length"	Price/Each
BL437	SC90616	SG-1L6	1/4	1/2	
BL438	SC90617	SG-3L6	3/8	3/4	
BL439	SC90618	SG-5L6	1/2	1	



FLAME SHAPE

Model No.	Mfg. No.	No.	Head Dia."	Flute Length"	Price/Each
BL440	SC90619	SH-2L6	5/16	3/4	
BL441	SC90620	SH-5L6	1/2	1 1/4	



14° DEGREE TAPER - RADIUS END

Model No.	Mfg. No.	No.	Head Dia."	Flute Length"	Price/Each
BL442	SC90621	SL-1L6	1/4	5/8	
BL443	SC90622	SL-3L6	3/8	1 1/16	
BL444	SC90623	SL-4L6	1/2	1 1/8	

SOLID CARBIDE BURRS - 1/4" SHANK

SC9O DOUBLE CUT

- 1/4" shank
- Double cut
- Ideal for extra tough materials
- Excellent control allows for clean finish

OVAL SHAPE



Model No.	Mfg. No.	No.	Head Dia."	Flute Length"	Price /Each
TBM290	SC90064	SE-11	3/16	5/16	
BL301	SC90065	SE-1	1/4	3/8	
BL302	SC90066	SE-3	3/8	5/8	
BL303	SC90067	SE-5	1/2	7/8	
BL304	SC90068	SE-6	5/8	1	
BL305	SC90069	SE-7	3/4	1	

TREE SHAPE - WITH RADIUS END



Model No.	Mfg. No.	No.	Head Dia."	Flute Length"	Price /Each
BL306	SC90070	SF-11	1/8	1/2	
BL307	SC90071	SF-1	1/4	5/8	
BL308	SC90072	SF-3	3/8	3/4	
BL309	SC90073	SF-4	7/16	1	
BL310	SC90074	SF-5	1/2	1	
BL311	SC90075	SF-13	1/2	3/4	
BL312	SC90076	SF-6	5/8	1	
BL313	SC90077	SF-7	3/4	1	
BL314	SC90078	SF-14	3/4	1 1/4	
BL315	SC90079	SF-15	3/4	1 1/2	

TREE SHAPE - POINTED END



Model No.	Mfg. No.	No.	Head Dia."	Flute Length"	Price /Each
BL316	SC90080	SG-1	1/4	5/8	
BL317	SC90081	SG-2	5/16	3/4	
BL318	SC90082	SG-3	3/8	3/4	
BL319	SC90083	SG-5	1/2	1	
BL320	SC90084	SG-13	1/2	3/4	
BL321	SC90085	SG-6	5/8	1	
BL322	SC90086	SG-7	3/4	1	
TBM291	SC90087	SG-15	3/4	1/2	

FLAME SHAPE



Model No.	Mfg. No.	No.	Head Dia."	Flute Length"	Price /Each
BL323	SC90088	SH-1	1/4	5/8	
BL324	SC90089	SH-2	5/16	3/4	
BL325	SC90090	SH-5	1/2	1 1/4	
BL326	SC90091	SH-6	5/8	1 7/16	
BL327	SC90092	SH-7	3/4	1 5/8	

60° CONE SHAPE



Model No.	Mfg. No.	No.	Head Dia."	Flute Length"	Price /Each
BL328	SC90093	SI-1	1/4	3/16	
BL329	SC90094	SI-3	3/8	5/16	
BL330	SC90095	SI-5	1/2	7/16	
BL331	SC90096	SI-6	5/8	9/16	
BL332	SC90097	SI-7	3/4	11/16	
BL333	SC90098	SI-9	1	15/16	

90° CONE SHAPE



Model No.	Mfg. No.	No.	Head Dia."	Flute Length"	Price /Each
BL334	SC90099	SK-1	1/4	1/8	
BL335	SC90100	SK-3	3/8	3/16	
BL336	SC90101	SK-5	1/2	1/4	
BL337	SC90102	SK-6	5/8	5/16	
BL338	SC90103	SK-7	3/4	3/8	
BL339	SC90104	SK-9	1	1/2	

SOLID CARBIDE BURRS - 1/4" SHANK

SC9O DOUBLE CUT

TAPER - RADIUS END - 14°



Model No.	Mfg. No.	No.	Head Dia."	Flute Length"	Price /Each
BL340	SC90105	SL-1	1/4	5/8	
BL341	SC90106	SL-2	5/16	7/8	
TBM292	SC90107	SL-3	3/8	1 1/16	
BL342	SC90108	SL-4	1/2	1 1/8	
BL343	SC90109	SL-5	5/8	1 3/16	
BL344	SC90110	SL-6	5/8	1 5/16	
BL345	SC90111	SL-7	3/4	1 1/2	

CONE SHAPE



Model No.	Mfg. No.	No.	Head Dia."	Flute Length"	Price /Each
BL346	SC90112	SM-1	1/4	1/2	
BL347	SC90113	SM-2	1/4	3/4	
BL348	SC90114	SM-3	1/4	1	
BL349	SC90115	SM-4	3/8	5/8	
BL350	SC90116	SM-5	1/2	7/8	
BL351	SC90117	SM-6	5/8	1	

INVERTED CONE SHAPE



Model No.	Mfg. No.	No.	Head Dia."	Flute Length"	Price /Each
BL352	SC90118	SN-1	1/4	5/16	
BL353	SC90119	SN-2	3/8	3/8	
BL354	SC90120	SN-4	1/2	1/2	
BL355	SC90121	SN-6	5/8	3/4	
BL356	SC90122	SN-7	3/4	5/8	

CLARKSON OSBORN

8 PIECE SOLID CARBIDE BURR SET - 1/4" SHANK

Model No.
BL445
Mfg. No.
SC90801
Price/Each



KIT CONTAINS:

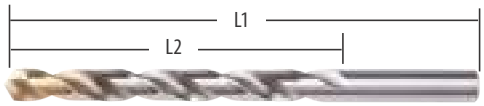
No.	Head Dia."	Flute Length"
SA-5	1/2	1
SC-3	3/8	3/4
SC-5	1/2	1
SD-5	1/2	7/16
SE-3	3/8	3/4
SF-5	1/2	1
SG-3	3/8	3/4
SL-4	1/2	1 1/8

JOBBER DRILLS 118°

DORMER

A012 SERIES

- Low thrust design with self centering split point makes for easier penetration
- TiN coated tip increases surface hardness and improves tool life
- Material: High Speed Steel
- Point Angle: 118°
- Manufacturing Standards: ANSI
- Finish: TiN Tip and Bright Body
- Cutting Direction: Right Hand



A012 SERIES - FRACTIONAL SIZE

Model No.	Fractional Size"	Decimal Size"	L2"	L1"	Price /Each
TC0714*	1/64	0.0156	3/16	3/4	
TC0726*	1/32	0.0313	1/2	1-3/8	
TC0739*	3/64	0.0469	3/4	1-3/4	
TC0743*	1/16	0.0625	7/8	1-7/8	
TC0749*	5/64	0.0781	1	2	
TC0756	3/32	0.0938	1-1/4	2-1/4	
TC0763	7/64	0.1094	1-1/2	2-5/8	
TC0769	1/8	0.125	1-5/8	2-3/4	
TC0773	9/64	0.1406	1-3/4	2-7/8	
TC0779	5/32	0.1563	2	3-1/8	
TC0785	11/64	0.1719	2-1/8	3-1/4	
TC0791	3/16	0.1875	2-5/16	3-1/2	
TC0798	13/64	0.2031	2-7/16	3-5/8	
TC0803	7/32	0.2188	2-1/2	3-3/4	
TC0807	15/64	0.2344	2-5/8	3-7/8	
TC0811	1/4	0.25	2-3/4	4	
TC0815	17/64	0.2656	2-7/8	4-1/8	
TC0820	9/32	0.2813	2-15/16	4-1/4	
TC0823	19/64	0.2968	3-1/16	4-3/8	
TC0825	5/16	0.3125	3-3/16	4-1/2	
TC0828	21/64	0.3281	3-5/16	4-5/8	
TC0831	11/32	0.3437	3-7/16	4-3/4	
TC0834	23/64	0.3594	3-1/2	4-7/8	

Model No.	Fractional Size"	Decimal Size"	L2"	L1"	Price /Each
TC0836	3/8	0.375	3-5/8	5	
TC0839	25/64	0.3906	3-3/4	5-1/8	
TC0842	13/32	0.4063	3-7/8	5-1/4	
TC0844	27/64	0.4219	3-15/16	5-3/8	
TC0845	7/16	0.4375	4-1/16	5-1/2	
TC0846	29/64	0.4531	4-3/16	5-5/8	
TC0847	15/32	0.4687	4-5/16	5-3/4	
TC0848	31/64	0.4844	4-3/8	5-7/8	
TC0849	1/2	0.5	4-1/2	6	
TC0850	33/64	0.5156	4-13/16	6-5/8	
TC0851	17/32	0.5313	4-13/16	6-5/8	
TC0852	35/64	0.5469	4-13/16	6-5/8	
TC0853	9/16	0.5625	4-13/16	6-5/8	
TC0854	37/64	0.5781	4-13/16	6-5/8	
TC0855	19/32	0.5937	5-3/16	7-1/8	
TC0856	39/64	0.6094	5-3/16	7-1/8	
TC0857	5/8	0.625	5-3/16	7-1/8	
TC0858	21/32	0.6563	5-3/16	7-1/8	
TC0859	11/16	0.6875	5-5/8	7-5/8	
TC0860	45/64	0.7031	5-5/8	7-5/8	
TC0861	23/32	0.7188	5-5/8	7-5/8	
TC0862	47/64	0.7344	6	8	
TC0863	3/4	0.75	6	8	

*No split point or TiN tip

A012 SERIES - WIRE GAUGE SIZE

Model No.	Wire Gauge Size	Decimal Size"	L2"	L1"	Price /Each
TC0712*	80	0.0135	1/8	3/4	
TC0713*	79	0.0145	1/8	3/4	
TC0715*	78	0.016	3/16	7/8	
TC0716*	77	0.018	3/16	7/8	
TC0717*	76	0.02	3/16	7/8	
TC0718*	75	0.021	1/4	1	
TC0719*	74	0.0225	1/4	1	
TC0720*	73	0.024	5/16	1-1/8	
TC0721*	72	0.025	5/16	1-1/8	
TC0722*	71	0.026	3/8	1-1/4	
TC0723*	70	0.028	3/8	1-1/4	
TC0724*	69	0.0292	1/2	1-3/8	
TC0725*	68	0.031	1/2	1-3/8	
TC0727*	67	0.032	1/2	1-3/8	
TC0728*	66	0.033	1/2	1-3/8	
TC0729*	65	0.035	5/8	1-1/2	
TC0730*	64	0.036	5/8	1-1/2	
TC0731*	63	0.037	5/8	1-1/2	
TC0732*	62	0.038	5/8	1-1/2	
TC0733*	61	0.039	11/16	1-5/8	
TC0734*	60	0.04	11/16	1-5/8	
TC0735*	59	0.041	11/16	1-5/8	
TC0736*	58	0.042	11/16	1-5/8	
TC0737*	57	0.043	3/4	1-3/4	
TC0738*	56	0.0465	3/4	1-3/4	
TC0740*	55	0.052	7/8	1-7/8	
TC0741*	54	0.055	7/8	1-7/8	
TC0742*	53	0.0595	7/8	1-7/8	
TC0744*	52	0.0635	7/8	1-7/8	
TC0745*	51	0.0669	1	2	
TC0746*	50	0.07	1	2	
TC0747*	49	0.073	1	2	
TC0748*	48	0.076	1	2	
TC0750*	47	0.0785	1	2	
TC0751	46	0.081	1-1/8	2-1/8	
TC0752	45	0.082	1-1/8	2-1/8	
TC0753	44	0.086	1-1/8	2-1/8	
TC0754	43	0.089	1-1/4	2-1/4	
TC0755	42	0.0935	1-1/4	2-1/4	
TC0757	41	0.096	1-3/8	2-3/8	

Model No.	Wire Gauge Size	Decimal Size"	L2"	L1"	Price /Each
TC0758	40	0.098	1-3/8	2-3/8	
TC0759	39	0.0995	1-3/8	2-3/8	
TC0760	38	0.1015	1-7/16	2-1/2	
TC0761	37	0.1040	1-7/16	2-1/2	
TC0762	36	0.1065	1-7/16	2-1/2	
TC0764	35	0.11	1-1/2	2-5/8	
TC0765	34	0.111	1-1/2	2-5/8	
TC0766	33	0.113	1-1/2	2-5/8	
TC0767	32	0.116	1-5/8	2-3/4	
TC0768	31	0.12	1-5/8	2-3/4	
TC0770	30	0.1285	1-5/8	2-3/4	
TC0771	29	0.136	1-3/4	2-7/8	
TC0772	28	0.1405	1-3/4	2-7/8	
TC0774	27	0.144	1-7/8	3	
TC0775	26	0.147	1-7/8	3	
TC0776	25	0.1495	1-7/8	3	
TC0777	24	0.152	2	3-1/8	
TC0778	23	0.154	2	3-1/8	
TC0780	22	0.157	2	3-1/8	
TC0781	21	0.159	2-1/8	3-1/4	
TC0782	20	0.161	2-1/8	3-1/4	
TC0783	19	0.166	2-1/8	3-1/4	
TC0784	18	0.1695	2-1/8	3-1/4	
TC0786	17	0.173	2-3/16	3-3/8	
TC0787	16	0.177	2-3/16	3-3/8	
TC0788	15	0.18	2-3/16	3-3/8	
TC0789	14	0.182	2-3/16	3-3/8	
TC0790	13	0.185	2-5/16	3-1/2	
TC0792	12	0.189	2-5/16	3-1/2	
TC0793	11	0.191	2-5/16	3-1/2	
TC0794	10	0.1935	2-7/16	3-5/8	
TC0795	9	0.196	2-7/16	3-5/8	
TC0796	8	0.199	2-7/16	3-5/8	
TC0797	7	0.201	2-7/16	3-5/8	
TC0799	6	0.204	2-1/2	3-3/4	
TC0800	5	0.2055	2-1/2	3-3/4	
TC0801	4	0.209	2-1/2	3-3/4	
TC0802	3	0.213	2-1/2	3-3/4	
TC0804	2	0.221	2-5/8	3-7/8	
TC0805	1	0.228	2-5/8	3-7/8	

*No split point or TiN tip

JOBBER DRILLS (CONT'D)

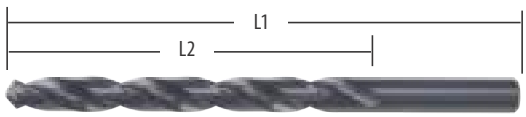
A012 SERIES - LETTER SIZE

Model No.	Letter Size	Decimal Size"	L2"	L2"	Price /Each
TC0806	A	0.234	2-5/8	3-7/8	
TC0808	B	0.238	2-3/4	4	
TC0809	C	0.242	2-3/4	4	
TC0810	D	0.246	2-3/4	4	
TC0812	E	0.25	2-3/4	4	
TC0813	F	0.257	2-7/8	4-1/8	
TC0814	G	0.261	2-7/8	4-1/8	
TC0816	H	0.266	2-7/8	4-1/8	
TC0817	I	0.272	2-7/8	4-1/8	
TC0818	J	0.277	2-7/8	4-1/8	
TC0819	K	0.281	2-15/16	4-1/4	
TC0821	L	0.29	2-15/16	4-1/4	
TC0822	M	0.295	3-1/16	4-3/8	

Model No.	Letter Size	Decimal Size"	L2"	L1"	Price /Each
TC0824	N	0.302	3-1/16	4-3/8	
TC0826	O	0.316	3-3/16	4-1/2	
TC0827	P	0.323	3-5/16	4-5/8	
TC0829	Q	0.332	3-7/16	4-3/4	
TC0830	R	0.339	3-7/16	4-3/4	
TC0832	S	0.348	3-1/2	4-7/8	
TC0833	T	0.358	3-1/2	4-7/8	
TC0835	U	0.368	3-5/8	5	
TC0837	V	0.377	3-5/8	5	
TC0838	W	0.386	3-3/4	5-1/8	
TC0840	X	0.397	3-3/4	5-1/8	
TC0841	Y	0.404	3-7/8	5-1/4	
TC0843	Z	0.413	3-7/8	5-1/4	

JOBBER DRILLS 118°

- Material: High Speed Steel
- Point Angle: 118°
- Manufacturing Standards: ANSI
- Cutting Direction: Right Hand



R10 SERIES - FRACTIONAL SIZE

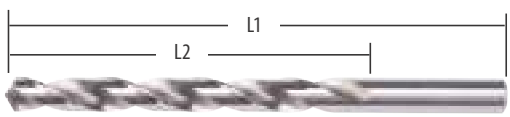
- Steam oxide finish reduces wear and chip welding in harder ferrous materials for increased wear resistance and lubricity

Model No.	Fractional Size"	Decimal Size"	L2"	L1"	Price /Each
TC0864	1/64	0.0156	3/16	3/4	
TC0865	1/32	0.0313	1/2	1-3/8	
TC0866	3/64	0.0469	3/4	1-3/4	
TC0867	1/16	0.0625	7/8	1-7/8	
TC0868	5/64	0.0781	1	2	
TC0869	3/32	0.0938	1-1/4	2-1/4	
TC0870	7/64	0.1094	1-1/2	2-5/8	
TC0871	1/8	0.125	1-5/8	2-3/4	
TC0872	9/64	0.1406	1-3/4	2-7/8	
TC0873	5/32	0.1563	2	3-1/8	
TC0874	11/64	0.1719	2-1/8	3-1/4	
TC0875	3/16	0.1875	2-5/16	3-1/2	
TC0876	13/64	0.2031	2-7/16	3-5/8	
TC0877	7/32	0.2188	2-1/2	3-3/4	
TC0878	15/64	0.2344	2-5/8	3-7/8	
TC0879	1/4	0.25	2-3/4	4	
TC0880	17/64	0.2656	2-7/8	4-1/8	
TC0881	9/32	0.2813	2-15/16	4-1/4	
TC0882	19/64	0.2969	3-1/16	4-3/8	
TC0883	5/16	0.3125	3-3/16	4-1/2	
TC0884	21/64	0.3281	3-5/16	4-5/8	
TC0885	11/32	0.3437	3-7/16	4-3/4	

Model No.	Fractional Size"	Decimal Size"	L1"	L2"	Price /Each
TC0886	23/64	0.3594	3-1/2	4-7/8	
TC0887	3/8	0.375	3-5/8	5	
TC0888	25/64	0.3906	3-3/4	5-1/8	
TC0889	13/32	0.4063	3-7/8	5-1/4	
TC0890	27/64	0.4219	3-15/16	5-3/8	
TC0891	7/16	0.4375	4-1/16	5-1/2	
TC0892	29/64	0.4531	4-3/16	5-5/8	
TC0893	15/32	0.4687	4-5/16	5-3/4	
TC0894	31/64	0.4844	4-3/8	5-7/8	
TC0895	1/2	0.5	4-1/2	6	
TC0896	33/64	0.5156	4-13/16	6-5/8	
TC0897	17/32	0.5313	4-13/16	6-5/8	
TC0898	35/64	0.5469	4-13/16	6-5/8	
TC0899	9/16	0.5625	4-13/16	6-5/8	
TC0900	37/64	0.5781	4-13/16	6-5/8	
TC0901	19/32	0.5937	5-3/16	7-1/8	
TC0902	39/64	0.6094	5-3/16	7-1/8	
TC0903	5/8	0.625	5-3/16	7-1/8	
TC0904	41/64	0.6406	5-3/16	7-1/8	
TC0905	21/32	0.6563	5-3/16	7-1/8	
TC0906	43/64	0.6719	5-5/8	7-5/8	
TC0907	11/16	0.6875	5-5/8	7-5/8	

R10P SERIES - FRACTIONAL SIZE

- Bright finish improves chip flow in soft or non-ferrous materials



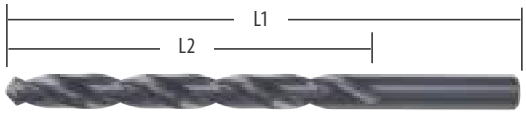
Model No.	Fractional Size"	Decimal Size"	L2"	L1"	Price /Each
TC0908	1/64	0.0156	3/16	3/4	
TC0909	1/32	0.0313	1/2	1-3/8	
TC0910	3/64	0.0469	3/4	1-3/4	
TC0911	1/16	0.0625	7/8	1-7/8	
TC0912	5/64	0.0781	1	2	
TC0913	3/32	0.0938	1-1/4	2-1/4	
TC0914	7/64	0.1094	1-1/2	2-5/8	
TC0915	1/8	0.125	1-5/8	2-3/4	
TC0916	9/64	0.1406	1-3/4	2-7/8	
TC0917	5/32	0.1563	2	3-1/8	
TC0918	11/64	0.1719	2-1/8	3-1/4	
TC0919	3/16	0.1875	2-5/16	3-1/2	
TC0920	13/64	0.2031	2-7/16	3-5/8	
TC0921	7/32	0.2188	2-1/2	3-3/4	
TC0922	15/64	0.2344	2-5/8	3-7/8	
TC0923	1/4	0.25	2-3/4	4	
TC0924	17/64	0.2656	2-7/8	4-1/8	
TC0925	9/32	0.2813	2-15/16	4-1/4	
TC0926	19/64	0.2969	3-1/16	4-3/8	
TC0927	5/16	0.3125	3-3/16	4-1/2	
TC0928	21/64	0.3281	3-5/16	4-5/8	
TC0929	11/32	0.3437	3-7/16	4-3/4	

Model No.	Fractional Size"	Decimal Size"	L2"	L1"	Price /Each
TC0930	23/64	0.3594	3-1/2	4-7/8	
TC0931	3/8	0.375	3-5/8	5	
TC0932	25/64	0.3906	3-3/4	5-1/8	
TC0933	13/32	0.4063	3-7/8	5-1/4	
TC0934	27/64	0.4219	3-15/16	5-3/8	
TC0935	7/16	0.4375	4-1/16	5-1/2	
TC0936	29/64	0.4531	4-3/16	5-5/8	
TC0937	15/32	0.4687	4-5/16	5-3/4	
TC0938	31/64	0.4844	4-3/8	5-7/8	
TC0939	1/2	0.5	4-1/2	6	
TC0940	33/64	0.5156	4-13/16	6-5/8	
TC0941	17/32	0.5313	4-13/16	6-5/8	
TC0942	35/64	0.5469	4-13/16	6-5/8	
TC0943	9/16	0.5625	4-13/16	6-5/8	
TC0944	37/64	0.5781	4-13/16	6-5/8	
TC0945	19/32	0.5937	5-3/16	7-1/8	
TC0946	39/64	0.6094	5-3/16	7-1/8	
TC0947	5/8	0.625	5-3/16	7-1/8	
TC0948	41/64	0.6406	5-3/16	7-1/8	
TC0949	21/32	0.6563	5-3/16	7-1/8	
TC0950	43/64	0.6719	5-5/8	7-5/8	
TC0951	11/16	0.6875	5-5/8	7-5/8	

JOBBER DRILLS 118° (CONT.)

R18 SERIES - WIRE GAUGE SIZE

- Steam oxide finish reduces wear and chip welding in harder ferrous materials for increased wear resistance and lubricity

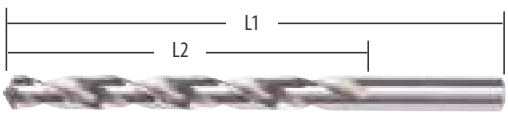


Model No.	Wire Gauge Size	Decimal Size"	L2"	L1"	Price /Each
TCP004	80	0.0135	1/8	3/4	
TCP005	79	0.0145	1/8	3/4	
TCP006	78	0.016	3/16	7/8	
TCP007	77	0.018	3/16	7/8	
TCP008	76	0.02	3/16	7/8	
TCP009	75	0.021	1/4	1	
TCP010	74	0.0225	1/4	1	
TCP011	73	0.024	5/16	1-1/8	
TCP012	72	0.025	5/16	1-1/8	
TCP013	71	0.026	3/8	1-1/4	
TCP014	70	0.028	3/8	1-1/4	
TCP015	69	0.0292	1/2	1-3/8	
TCP016	68	0.031	1/2	1-3/8	
TCP017	67	0.032	1/2	1-3/8	
TCP018	66	0.033	1/2	1-3/8	
TCP019	65	0.035	5/8	1-1/2	
TCP020	64	0.036	5/8	1-1/2	
TCP021	63	0.037	5/8	1-1/2	
TCP022	62	0.038	5/8	1-1/2	
TCP023	61	0.039	11/16	1-5/8	
TCP024	60	0.04	11/16	1-5/8	
TCP025	59	0.041	11/16	1-5/8	
TCP026	58	0.042	11/16	1-5/8	
TCP027	57	0.043	3/4	1-3/4	
TCP028	56	0.0465	3/4	1-3/4	
TCP029	55	0.052	7/8	1-7/8	
TCP030	54	0.055	7/8	1-7/8	
TCP031	53	0.0595	7/8	1-7/8	
TCP032	52	0.0635	7/8	1-7/8	
TCP033	51	0.067	1	2	
TCP034	50	0.07	1	2	
TCP035	49	0.073	1	2	
TCP036	48	0.076	1	2	
TCP037	47	0.0785	1	2	
TCP038	46	0.081	1-1/8	2-1/8	
TCP039	45	0.082	1-1/8	2-1/8	
TCP040	44	0.086	1-1/8	2-1/8	
TCP041	43	0.089	1-1/4	2-1/4	
TCP042	42	0.0935	1-1/4	2-1/4	
TCP043	41	0.096	1-3/8	2-3/8	

Model No.	Wire Gauge Size	Decimal Size"	L2"	L1"	Price /Each
TCP044	40	0.098	1-3/8	2-3/8	
TCP045	39	0.0995	1-3/8	2-3/8	
TCP046	38	0.1015	1-7/16	2-1/2	
TCP047	37	0.104	1-7/16	2-1/2	
TCP048	36	0.1065	1-7/16	2-1/2	
TCP049	35	0.11	1-1/2	2-5/8	
TCP050	34	0.111	1-1/2	2-5/8	
TCP051	33	0.113	1-1/2	2-5/8	
TCP052	32	0.116	1-5/8	2-3/4	
TCP053	31	0.12	1-5/8	2-3/4	
TCP054	30	0.1285	1-5/8	2-3/4	
TCP055	29	0.136	1-3/4	2-7/8	
TCP056	28	0.1405	1-3/4	2-7/8	
TCP057	27	0.144	1-7/8	3	
TCP058	26	0.147	1-7/8	3	
TCP059	25	0.1495	1-7/8	3	
TCP060	24	0.152	2	3-1/8	
TCP061	23	0.154	2	3-1/8	
TCP062	22	0.157	2	3-1/8	
TCP063	21	0.159	2-1/8	3-1/4	
TCP064	20	0.161	2-1/8	3-1/4	
TCP065	19	0.166	2-1/8	3-1/4	
TCP066	18	0.1695	2-1/8	3-1/4	
TCP067	17	0.173	2-3/16	3-3/8	
TCP068	16	0.177	2-3/16	3-3/8	
TCP069	15	0.18	2-3/16	3-3/8	
TCP070	14	0.182	2-3/16	3-3/8	
TCP071	13	0.185	2-5/16	3-1/2	
TCP072	12	0.189	2-5/16	3-1/2	
TCP073	11	0.191	2-5/16	3-1/2	
TCP074	10	0.1935	2-7/16	3-5/8	
TCP075	9	0.196	2-7/16	3-5/8	
TCP076	8	0.199	2-7/16	3-5/8	
TCP077	7	0.201	2-7/16	3-5/8	
TCP078	6	0.204	2-1/2	3-3/4	
TCP079	5	0.2055	2-1/2	3-3/4	
TCP080	4	0.209	2-1/2	3-3/4	
TCP081	3	0.213	2-1/2	3-3/4	
TCP082	2	0.221	2-5/8	3-7/8	
TCP083	1	0.228	2-5/8	3-7/8	

R18P SERIES - WIRE GAUGE SIZE

- Bright finish improves chip flow in soft or non-ferrous materials



Model No.	Wire Gauge Size	Decimal Size"	L2"	L1"	Price /Each
TCP084	97	0.0059	1/16	3/4	
TCP085	96	0.0063	1/16	3/4	
TCP086	95	0.0067	1/16	3/4	
TCP087	94	0.0071	1/16	3/4	
TCP088	93	0.0075	1/16	3/4	
TCP089	92	0.0079	1/16	3/4	
TCP090	91	0.0083	5/64	3/4	
TCP091	90	0.0087	5/64	3/4	
TCP092	89	0.0091	5/64	3/4	
TCP093	88	0.0095	5/64	3/4	
TCP094	87	0.01	5/64	3/4	
TCP095	86	0.0105	3/32	3/4	
TCP096	85	0.011	3/32	3/4	
TCP097	84	0.0115	3/32	3/4	
TCP098	83	0.012	3/32	3/4	
TCP099	82	0.0125	3/32	3/4	
TCP100	81	0.013	3/32	3/4	
TCP101	80	0.0135	1/8	3/4	
TCP102	79	0.0145	1/8	3/4	
TCP103	78	0.016	3/16	7/8	
TCP104	77	0.018	3/16	7/8	
TCP105	76	0.02	3/16	7/8	
TCP106	75	0.021	1/4	1	
TCP107	74	0.0225	1/4	1	
TCP108	73	0.024	5/16	1-1/8	
TCP109	72	0.025	5/16	1-1/8	
TCP110	71	0.026	3/8	1-1/4	
TCP111	70	0.028	3/8	1-1/4	

Model No.	Wire Gauge Size	Decimal Size"	L2"	L1"	Price /Each
TCP112	69	0.0292	1/2	1-3/8	
TCP113	68	0.031	1/2	1-3/8	
TCP114	67	0.032	1/2	1-3/8	
TCP115	66	0.033	1/2	1-3/8	
TCP116	65	0.035	5/8	1-1/2	
TCP117	64	0.036	5/8	1-1/2	
TCP118	63	0.037	5/8	1-1/2	
TCP119	62	0.038	5/8	1-1/2	
TCP120	61	0.039	11/16	1-5/8	
TCP121	60	0.04	11/16	1-5/8	
TCP122	59	0.041	11/16	1-5/8	
TCP123	58	0.042	11/16	1-5/8	
TCP124	57	0.043	3/4	1-3/4	
TCP125	56	0.0465	3/4	1-3/4	
TCP126	55	0.052	7/8	1-7/8	
TCP127	54	0.055	7/8	1-7/8	
TCP128	53	0.0595	7/8	1-7/8	
TCP129	52	0.0635	7/8	1-7/8	
TCP130	51	0.067	1	2	
TCP131	50	0.07	1	2	
TCP132	49	0.073	1	2	
TCP133	48	0.076	1	2	
TCP134	47	0.0785	1	2	
TCP135	46	0.081	1-1/8	2-1/8	
TCP136	45	0.082	1-1/8	2-1/8	
TCP137	44	0.086	1-1/8	2-1/8	
TCP138	43	0.089	1-1/4	2-1/4	
TCP139	42	0.0935	1-1/4	2-1/4	

R18P SERIES - WIRE GAUGE SIZE (CONT.)

Model No.	Wire Gauge Size	Decimal Size"	L2"	L1"	Price /Each
TCP140	41	0.096	1-3/8	2-3/8	
TCP141	40	0.098	1-3/8	2-3/8	
TCP142	39	0.0995	1-3/8	2-3/8	
TCP143	38	0.1015	1-7/16	2-1/2	
TCP144	37	0.104	1-7/16	2-1/2	
TCP145	36	0.1065	1-7/16	2-1/2	
TCP146	35	0.11	1-1/2	2-5/8	
TCP147	34	0.111	1-1/2	2-5/8	
TCP148	33	0.113	1-1/2	2-5/8	
TCP149	32	0.116	1-5/8	2-3/4	
TCP150	31	0.12	1-5/8	2-3/4	
TCP151	30	0.1285	1-5/8	2-3/4	
TCP152	29	0.136	1-3/4	2-7/8	
TCP153	28	0.1405	1-3/4	2-7/8	
TCP154	27	0.144	1-7/8	3	
TCP155	26	0.147	1-7/8	3	
TCP156	25	0.1495	1-7/8	3	
TCP157	24	0.152	2	3-1/8	
TCP158	23	0.154	2	3-1/8	
TCP159	22	0.157	2	3-1/8	
TCP160	21	0.159	2-1/8	3-1/4	
TCP161	20	0.161	2-1/8	3-1/4	
TCP162	19	0.166	2-1/8	3-1/4	
TCP163	18	0.1695	2-1/8	3-1/4	
TCP164	17	0.173	2-3/16	3-3/8	
TCP165	16	0.177	2-3/16	3-3/8	
TCP166	15	0.18	2-3/16	3-3/8	
TCP167	14	0.182	2-3/16	3-3/8	
TCP168	13	0.185	2-5/16	3-1/2	
TCP169	12	0.189	2-5/16	3-1/2	
TCP170	11	0.191	2-5/16	3-1/2	
TCP171	10	0.1935	2-7/16	3-5/8	
TCP172	9	0.196	2-7/16	3-5/8	
TCP173	8	0.199	2-7/16	3-5/8	
TCP174	7	0.201	2-7/16	3-5/8	
TCP175	6	0.204	2-1/2	3-3/4	
TCP176	5	0.2055	2-1/2	3-3/4	
TCP177	4	0.209	2-1/2	3-3/4	
TCP178	3	0.213	2-1/2	3-3/4	
TCP179	2	0.221	2-5/8	3-7/8	
TCP180	1	0.228	2-5/8	3-7/8	

R15 SERIES - LETTER SIZE

- Steam oxide finish reduces wear and chip welding in harder ferrous materials for increased wear resistance and lubricity

Model No.	Letter Size	Decimal Size"	L2"	L1"	Price /Each
TC0952	A	0.234	2-5/8	3-7/8	
TC0953	B	0.2374	2-3/4	4	
TC0954	C	0.2421	2-3/4	4	
TC0955	D	0.2461	2-3/4	4	
TC0956	E	0.25	2-3/4	4	
TC0957	F	0.2571	2-7/8	4-1/8	
TC0958	G	0.261	2-7/8	4-1/8	
TC0959	H	0.2661	2-7/8	4-1/8	
TC0960	I	0.272	2-7/8	4-1/8	
TC0961	J	0.2772	2-7/8	4-1/8	
TC0962	K	0.2811	2-15/16	4-1/4	
TC0963	L	0.2902	2-15/16	4-1/4	
TC0964	M	0.2949	3-1/16	4-3/8	
TC0965	N	0.302	3-1/16	4-3/8	
TC0966	O	0.3161	3-3/16	4-1/2	
TC0967	P	0.3228	3-5/16	4-5/8	
TC0968	Q	0.3319	3-7/16	4-3/4	
TC0969	R	0.339	3-7/16	4-3/4	
TC0970	S	0.348	3-1/2	4-7/8	
TC0971	T	0.358	3-1/2	4-7/8	
TC0972	U	0.368	3-5/8	5	
TC0973	V	0.3772	3-5/8	5	
TC0974	W	0.3858	3-3/4	5-1/8	
TC0975	X	0.3969	3-3/4	5-1/8	
TC0976	Y	0.4039	3-7/8	5-1/4	
TC0977	Z	0.413	3-7/8	5-1/4	

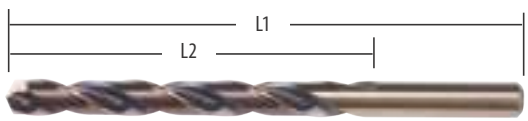
R15P SERIES - LETTER SIZE

- Bright finish improves chip flow in soft or non-ferrous materials

Model No.	Letter Size	Decimal Size"	L2"	L1"	Price /Each
TC0978	A	0.234	2-5/8	3-7/8	
TC0979	B	0.2374	2-3/4	4	
TC0980	C	0.2421	2-3/4	4	
TC0981	D	0.2461	2-3/4	4	
TC0982	E	0.25	2-3/4	4	
TC0983	F	0.2571	2-7/8	4-1/8	
TC0984	G	0.261	2-7/8	4-1/8	
TC0985	H	0.2661	2-7/8	4-1/8	
TC0986	I	0.272	2-7/8	4-1/8	
TC0987	J	0.2772	2-7/8	4-1/8	
TC0988	K	0.2811	2-15/16	4-1/4	
TC0989	L	0.2902	2-15/16	4-1/4	
TC0990	M	0.2949	3-1/16	4-3/8	
TC0991	N	0.302	3-1/16	4-3/8	
TC0992	O	0.3161	3-3/16	4-1/2	
TC0993	P	0.3228	3-5/16	4-5/8	
TC0994	Q	0.3319	3-7/16	4-3/4	
TC0995	R	0.339	3-7/16	4-3/4	
TC0996	S	0.348	3-1/2	4-7/8	
TC0997	T	0.358	3-1/2	4-7/8	
TC0998	U	0.368	3-5/8	5	
TC0999	V	0.3772	3-5/8	5	
TCP000	W	0.3858	3-3/4	5-1/8	
TCP001	X	0.3969	3-3/4	5-1/8	
TCP002	Y	0.4039	3-7/8	5-1/4	
TCP003	Z	0.413	3-7/8	5-1/4	

JOBBER DRILLS 135°

- Low thrust design and self-centering split point makes for easier penetration
- Unique surface treatment for improved wear resistance in hard ferrous alloys
- Material: High Speed Steel
- Point Angle: 135°
- Manufacturing Standards: ANSI
- Finish: Purple and Bronze
- Cutting Direction: Right Hand



PRECISION

HX10 SERIES - FRACTIONAL SIZE

Model No.	Fractional Size"	Decimal Size"	L2"	L1"	Price /Each
TCP182	1/16	0.0625	7/8	1-7/8	
TCP183	5/64	0.0781	1	2	
TCP184	3/32	0.0938	1-1/4	2-1/4	
TCP185	7/64	0.1094	1-1/2	2-5/8	
TCP186	1/8	0.125	1-5/8	2-3/4	
TCP187	9/64	0.1406	1-3/4	2-7/8	
TCP188	5/32	0.1563	2	3-1/8	
TCP189	11/64	0.1719	2-1/8	3.25	
TCP190	3/16	0.1875	2-5/16	3-1/2	
TCP191	13/64	0.2031	2-7/16	3-5/8	
TCP192	7/32	0.2188	2-1/2	3-3/4	
TCP193	15/64	0.2344	2-5/8	3-7/8	
TCP194	1/4	0.25	2-3/4	4	
TCP195	17/64	0.2656	2-7/8	4-1/8	
TCP196	9/32	0.2813	2-15/16	4-1/4	
TCP197	19/64	0.2969	3-1/16	4-3/8	
TCP198	5/16	0.3125	3-3/16	4-1/2	
TCP199	21/64	0.3281	3-5/16	4-5/8	
TCP200	11/32	0.3437	3-7/16	4-3/4	
TCP201	23/64	0.3594	3-1/2	4-7/8	
TCP202	3/8	0.375	3-5/8	5	
TCP203	25/64	0.3906	3-3/4	5-1/8	
TCP204	13/32	0.4063	3-7/8	5-1/4	
TCP205	27/64	0.4219	3-15/16	5-3/8	
TCP206	7/16	0.4375	4-1/16	5-1/2	
TCP207	29/64	0.4531	4-3/16	5-5/8	
TCP208	15/32	0.4687	4-5/16	5-3/4	
TCP209	31/64	0.4844	4-3/8	5-7/8	
TCP210	1/2	0.5	4-1/2	6	

JOBBER DRILLS 135° (CONT.)

HX18 SERIES - WIRE GAUGE SIZE

Model No.	Wire Gauge Size	Decimal Size"	L2"	L1"	Price /Each
TCP237	52	0.0635	7/8	1-7/8	
TCP238	51	0.067	1	2	
TCP239	50	0.07	1	2	
TCP240	49	0.073	1	2	
TCP241	48	0.076	1	2	
TCP242	47	0.0785	1	2	
TCP243	46	0.081	1-1/8	2-1/8	
TCP244	45	0.082	1-1/8	2-1/8	
TCP245	44	0.086	1-1/8	2-1/8	
TCP246	43	0.089	1-1/4	2-1/4	
TCP247	42	0.0935	1-1/4	2-1/4	
TCP248	41	0.096	1-3/8	2-3/8	
TCP249	40	0.098	1-3/8	2-3/8	
TCP250	39	0.0995	1-3/8	2-3/8	
TCP251	38	0.1015	1-7/16	2-1/2	
TCP252	37	0.104	1-7/16	2-1/2	
TCP253	36	0.1065	1-7/16	2-1/2	
TCP254	35	0.11	1-1/2	2-5/8	
TCP255	34	0.111	1-1/2	2-5/8	
TCP256	33	0.113	1-1/2	2-5/8	
TCP257	32	0.116	1-5/8	2-3/4	
TCP258	31	0.12	1-5/8	2-3/4	
TCP259	30	0.1285	1-5/8	2-3/4	
TCP260	29	0.136	1-3/4	2-7/8	
TCP261	28	0.1405	1-3/4	2-7/8	
TCP262	27	0.144	1-7/8	3	
TCP263	26	0.147	1-7/8	3	
TCP264	25	0.1495	1-7/8	3	
TCP265	24	0.152	2	3-1/8	
TCP266	23	0.154	2	3-1/8	
TCP267	22	0.157	2	3-1/8	
TCP268	21	0.159	2-1/8	3-1/4	
TCP269	20	0.161	2-1/8	3-1/4	
TCP270	19	0.166	2-1/8	3-1/4	
TCP271	18	0.1695	2-1/8	3-1/4	
TCP272	17	0.173	2-3/16	3-3/8	
TCP273	16	0.177	2-3/16	3-3/8	
TCP274	15	0.18	2-3/16	3-3/8	
TCP275	14	0.182	2-3/16	3-3/8	
TCP276	13	0.185	2-5/16	3-1/2	
TCP277	12	0.189	2-5/16	3-1/2	
TCP278	11	0.191	2-5/16	3-1/2	
TCP279	10	0.1935	2-7/16	3-5/8	
TCP280	9	0.196	2-7/16	3-5/8	
TCP281	8	0.199	2-7/16	3-5/8	
TCP282	7	0.201	2-7/16	3-5/8	
TCP283	6	0.204	2-1/2	3-3/4	
TCP284	5	0.2055	2-1/2	3-3/4	
TCP285	4	0.209	2-1/2	3-3/4	
TCP286	3	0.213	2-1/2	3-3/4	
TCP287	2	0.221	2-5/8	3-7/8	
TCP288	1	0.228	2-5/8	3-7/8	

HX15 SERIES - LETTER SIZE

Model No.	Letter Size	Decimal Size"	L2"	L1"	Price /Each
TCP211	A	0.234	2-5/8	3-7/8	
TCP212	B	0.2374	2-3/4	4	
TCP213	C	0.2421	2-3/4	4	
TCP214	D	0.2461	2-3/4	4	
TCP215	E	0.25	2-3/4	4	
TCP216	F	0.2571	2-7/8	4-1/8	
TCP217	G	0.261	2-7/8	4-1/8	
TCP218	H	0.2661	2-7/8	4-1/8	
TCP219	I	0.272	2-7/8	4-1/8	
TCP220	J	0.2772	2-7/8	4-1/8	
TCP221	K	0.2811	2-15/16	4-1/4	
TCP222	L	0.2902	2-15/16	4-1/4	
TCP223	M	0.2949	3-1/16	4-3/8	
TCP224	N	0.302	3-1/16	4-3/8	
TCP225	O	0.3161	3-3/16	4-1/2	
TCP226	P	0.3228	3-5/16	4-5/8	
TCP227	Q	0.3319	3-7/16	4-3/4	
TCP228	R	0.339	3-7/16	4-3/4	
TCP229	S	0.348	3-1/2	4-7/8	
TCP230	T	0.358	3-1/2	4-7/8	
TCP231	U	0.368	3-5/8	5	
TCP232	V	0.3772	3-5/8	5	
TCP233	W	0.3858	3-3/4	5-1/8	
TCP234	X	0.3969	3-3/4	5-1/8	
TCP235	Y	0.4039	3-7/8	5-1/4	
TCP236	Z	0.413	3-7/8	5-1/4	

JOBBER DRILL SETS

A097 SERIES

- TiN coated tip that increases surface hardness and improves tool life
- Low thrust design with self centering split point that makes for easier penetration
- Material: High Speed Steel
- Manufacturing Standards: ANSI
- Point Angle: 118°
- Cutting Direction: Right Hand
- Case Included

Note: Sizes 47 to 60 and 1/16" to 5/64" have no split point or TiN tip

DORMER



TCP405

Model No.	No. of Pieces	Sizes	Price /Each
TCP405	29	1/16" to 1/2" by 1/64"	
TCP406	15	1/16" to 1/2" by 1/32"	
TCP407	13	1/16" to 1/4" by 1/64"	
TCP408	60	1 to 60	
TCP409	26	A to Z	
TCP410	115	A to Z, 1 to 60, 1/16" to 1/2" by 1/64"	

JOBBER DRILL SETS

C29HX10 SERIES

- Unique surface treatment for improved wear resistance in hard ferrous alloys
- Low thrust design and self-centering split point makes for easier penetration
- Material: High Speed Steel
- Manufacturing Standards: ANSI
- Point Angle: 135°
- Finish: Purple and Gold
- Cutting Direction: Right Hand
- Case Included

PRECISION



Model No.	No. of Pieces	Sizes	Price /Each
TCP404	29	1/16" to 1/2" by 1/64"	

JOBBER DRILL SETS

- Material: High Speed Steel
- Manufacturing Standards: ANSI
- Point Angle: 118°
- Cutting Direction: Right Hand
- Case Included

STEAM OXIDE FINISH

- Steam oxide finish reduces wear and chip welding in harder ferrous materials for increased wear resistance and lubricity

BRIGHT FINISH

- Bright finish improves chip flow in soft or non-ferrous materials



TCP412

PRECISION

Model No.	No of Pieces	Sizes	Manufacturer Series	Finish	Price /Each
TCP411	15	1/16" to 1/2" by 1/32"	C15R10	Steam Oxide	
TCP413	29	1/16" to 1/2" by 1/64"	C29R10	Steam Oxide	
TCP412	15	1/16" to 1/2" by 1/32"	C15R10P	Bright	
TCP414	29	1/16" to 1/2" by 1/64"	C29R10P	Bright	

COBALT JOBBER DRILL SETS

- Bronze oxide finish for increased wear resistance and lubricity
- Suitable for ferrous materials
- Material: High Speed Cobalt
- Manufacturing Standards: ANSI
- Point Angle: 135°
- Cutting Direction: Right Hand
- Case Included



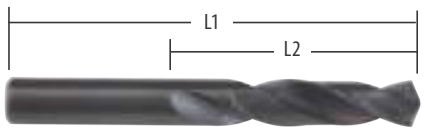
TCP918

PRECISION

Model No.	No. of Pieces	Size	Manufacturer Series	Price /Each
TCP915	13	1/16" to 1/4" by 1/64"	C13R10CO	
TCP916	15	1/16" to 1/2" by 1/32"	C15R10CO	
TCP917	21	1/16" to 3/8" by 1/64"	C21R10CO	
TCP918	29	1/16" to 1/2" by 1/64"	C29R10CO	
TCP919	26	A to Z	C26R15CO	
TCP920	60	#1 to #60	C60R18CO	

SCREW MACHINE DRILLS 135°

- Steam oxide finish for increased wear resistance and lubricity
- Low thrust design and self-centering split point makes for easier penetration
- Material: High Speed Steel
- Point Angle: 135°
- Manufacturing Standards: ANSI
- Cutting Direction: Right Hand



PRECISION

R40C SERIES - FRACTIONAL SIZE

Model No.	Fractional Size"	Decimal Size"	L2"	L1"	Price /Each
TCP289	1/16	0.0625	5/8	1-5/8	
TCP290	5/64	0.0781	11/16	1-11/16	
TCP291	3/32	0.0938	3/4	1-3/4	
TCP292	7/64	0.1094	13/16	1-13/16	
TCP293	1/8	0.125	7/8	1-7/8	
TCP294	9/64	0.1406	15/16	1-15/16	
TCP295	5/32	0.1563	1	2-1/16	
TCP296	11/64	0.1719	1-1/16	2-1/8	
TCP297	3/16	0.1875	1-1/8	2-3/16	
TCP298	13/64	0.2031	1-3/16	2-1/4	
TCP299	7/32	0.2188	1-1/4	2-3/8	
TCP300	15/64	0.2344	1-5/16	2-7/16	
TCP301	1/4	0.25	1-3/8	2-1/2	
TCP302	17/64	0.2656	1-7/16	2-5/8	
TCP303	9/32	0.2813	1-1/2	2-11/16	

Model No.	Fractional Size"	Decimal Size"	L2"	L1"	Price /Each
TCP304	19/64	0.2969	1-9/16	2-3/4	
TCP305	5/16	0.3125	1-5/8	2-13/16	
TCP306	21/64	0.3281	1-11/16	2-15/16	
TCP307	11/32	0.3437	1-11/16	3	
TCP308	23/64	0.3594	1-3/4	3-1/16	
TCP309	3/8	0.375	1-13/16	3-1/8	
TCP310	25/64	0.3906	1-7/8	3-1/4	
TCP311	13/32	0.4063	1-15/16	3-5/16	
TCP312	27/64	0.4219	2	3-3/8	
TCP313	7/16	0.4375	2-1/16	3-7/16	
TCP314	29/64	0.4531	2-1/8	3-9/16	
TCP315	15/32	0.4687	2-1/8	3-5/8	
TCP316	31/64	0.4844	2-3/16	3-11/16	
TCP317	1/2	0.5	2-1/4	3-3/4	

R41C SERIES - WIRE GAUGE SIZE

Model No.	Wire Gauge Size	Decimal Size"	L2"	L1"	Price /Each
TCP318*	#60	0.04	1/2	1-3/8	
TCP319*	#59	0.041	1/2	1-3/8	
TCP320*	#58	0.042	1/2	1-3/8	
TCP321*	#57	0.043	1/2	1-3/8	
TCP322*	#56	0.0465	1/2	1-3/8	
TCP323*	#55	0.052	5/8	1-5/8	
TCP324*	#54	0.055	5/8	1-5/8	
TCP325*	#53	0.0595	5/8	1-5/8	
TCP326	#52	0.0635	11/16	1-11/16	
TCP327	#51	0.067	11/16	1-11/16	
TCP328	#50	0.07	11/16	1-11/16	
TCP329	#49	0.073	11/16	1-11/16	
TCP330	#48	0.076	11/16	1-11/16	
TCP331	#47	0.0785	11/16	1-11/16	
TCP332	#46	0.081	3/4	1-3/4	

Model No.	Wire Gauge Size	Decimal Size"	L2"	L1"	Price /Each
TCP333	#45	0.082	3/4	1-3/4	
TCP334	#44	0.086	3/4	1-3/4	
TCP335	#43	0.089	3/4	1-3/4	
TCP336	#42	0.0935	3/4	1-3/4	
TCP337	#41	0.096	13/16	1-13/16	
TCP338	#40	0.098	13/16	1-13/16	
TCP339	#39	0.0995	13/16	1-13/16	
TCP340	#38	0.1015	13/16	1-13/16	
TCP341	#37	0.104	13/16	1-13/16	
TCP342	#36	0.1065	13/16	1-13/16	
TCP343	#35	0.11	7/8	1-7/8	
TCP344	#34	0.111	7/8	1-7/8	
TCP345	#33	0.113	7/8	1-7/8	
TCP346	#32	0.116	7/8	1-7/8	
TCP347	#31	0.12	7/8	1-7/8	

*No split point

R41C SERIES - WIRE GAUGE SIZE (CONT.)

Model No.	Wire Gauge Size	Decimal Size"	L2"	L1"	Price /Each
TCP348	30	0.1285	15/16	1-15/16	
TCP349	29	0.136	15/16	1-15/16	
TCP350	28	0.1405	15/16	1-15/16	
TCP351	27	0.144	1	2-1/16	
TCP352	26	0.147	1	2-1/16	
TCP353	25	0.1495	1	2-1/16	
TCP354	24	0.152	1	2-1/16	
TCP355	23	0.154	1	2-1/16	
TCP356	22	0.157	1-1/16	2-1/8	
TCP357	21	0.159	1-1/16	2-1/8	
TCP358	20	0.161	1-1/16	2-1/8	
TCP359	19	0.166	1-1/16	2-1/8	
TCP360	18	0.1695	1-1/16	2-1/8	
TCP361	17	0.173	1-1/8	2-3/16	
TCP362	16	0.177	1-1/8	2-3/16	

Model No.	Wire Gauge Size	Decimal Size"	L2"	L1"	Price /Each
TCP363	15	0.18	1-1/8	2-3/16	
TCP364	14	0.182	1-1/8	2-3/16	
TCP365	13	0.185	1-1/8	2-3/16	
TCP366	12	0.189	1-3/16	2-1/4	
TCP367	11	0.191	1-3/16	2-1/4	
TCP368	10	0.1935	1-3/16	2-1/4	
TCP369	9	0.196	1-3/16	2-1/4	
TCP370	8	0.199	1-3/16	2-1/4	
TCP371	7	0.201	1-3/16	2-1/4	
TCP372	6	0.204	1-1/4	2-3/8	
TCP373	5	0.2055	1-1/4	2-3/8	
TCP374	4	0.209	1-1/4	2-3/8	
TCP375	3	0.213	1-1/4	2-3/8	
TCP376	2	0.221	1-5/16	2-7/16	
TCP377	1	0.228	1-5/16	2-7/16	

R42C SERIES - LETTER SIZE

Model No.	Letter Size	Decimal Size"	L2"	L1"	Price /Each
TCP378	A	0.234	1-5/16	2-7/16	
TCP379	B	0.2374	1-3/8	2-1/2	
TCP380	C	0.2421	1-3/8	2-1/2	
TCP381	D	0.2461	1-3/8	2-1/2	
TCP382	E	0.25	1-3/8	2-1/2	
TCP383	F	0.2571	1-7/16	2-5/8	
TCP384	G	0.261	1-7/16	2-5/8	
TCP385	H	0.2661	1-1/2	2-11/16	
TCP386	I	0.272	1-1/2	2-11/16	
TCP387	J	0.2772	1-1/2	2-11/16	
TCP388	K	0.2811	1-1/2	2-11/16	
TCP389	L	0.2992	1-9/16	2-3/4	
TCP390	M	0.2949	1-9/16	2-3/4	

Model No.	Letter Size	Decimal Size"	L2"	L1"	Price /Each
TCP391	N	0.302	1-5/8	2-13/16	
TCP392	O	0.3161	1-11/16	2-15/16	
TCP393	P	0.3228	1-11/16	2-15/16	
TCP394	Q	0.3319	1-11/16	3	
TCP395	R	0.339	1-11/16	3	
TCP396	S	0.348	1-3/4	3-1/16	
TCP397	T	0.358	1-3/4	3-1/16	
TCP398	U	0.368	1-13/16	3-1/8	
TCP399	V	0.3772	1-7/8	3-1/4	
TCP400	W	0.3858	1-7/8	3-1/4	
TCP401	X	0.3969	1-15/16	3-5/16	
TCP402	Y	0.4039	1-15/16	3-5/16	
TCP403	Z	0.413	2	3-3/8	

SILVER & DEMING DRILLS 118°

R56 SERIES

- Steam oxide finish for increased wear resistance and lubricity
- Material: High Speed Steel
- Point Angle: 118°
- Manufacturing Standards: ANSI
- Shank Size: 1/2"
- Cutting Direction: Right Hand



PRECISION

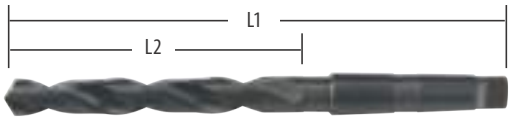
Model No.	Fractional Size"	Decimal Size"	L2"	L1"	Price /Each
TCQ496	33/64	0.5156	3	6	
TCQ497	17/32	0.5313	3	6	
TCQ498	35/64	0.5469	3	6	
TCQ499	9/16	0.5625	3	6	
TCQ500	37/64	0.5781	3	6	
TCQ501	19/32	0.5937	3	6	
TCQ502	5/8	0.625	3	6	
TCQ503	41/64	0.6406	3	6	
TCQ504	21/32	0.6563	3	6	
TCQ505	43/64	0.6719	3	6	
TCQ506	11/16	0.6875	3	6	
TCQ507	45/64	0.7031	3	6	
TCQ508	23/32	0.7188	3	6	
TCQ509	47/64	0.7344	3	6	
TCQ510	3/4	0.75	3	6	
TCQ511	49/64	0.7656	3	6	
TCQ512	25/32	0.7813	3	6	
TCQ513	51/64	0.7969	3	6	
TCQ514	13/16	0.8125	3	6	
TCQ515	53/64	0.8281	3	6	
TCQ516	27/32	0.8438	3	6	
TCQ517	55/64	0.8594	3	6	
TCQ518	7/8	0.875	3	6	
TCQ519	57/64	0.8906	3	6	
TCQ520	29/32	0.9063	3	6	
TCQ521	59/64	0.9219	3	6	
TCQ522	15/16	0.9375	3	6	
TCQ523	61/64	0.9531	3	6	

Model No.	Fractional Size"	Decimal Size"	L2"	L1"	Price /Each
TCQ524	31/32	0.9688	3	6	
TCQ525	63/64	0.9844	3	6	
TCQ526	1	1	3	6	
TCQ527	1-1/64	1.0156	3	6	
TCQ528	1-1/32	1.0312	3	6	
TCQ529	1-3/64	1.0469	3	6	
TCQ530	1-1/16	1.0625	3	6	
TCQ531	1-5/64	1.0781	3	6	
TCQ532	1-3/32	1.0937	3	6	
TCQ533	1-7/64	1.1094	3	6	
TCQ534	1-1/8	1.125	3	6	
TCQ535	1-9/64	1.1406	3	6	
TCQ536	1-5/32	1.1563	3	6	
TCQ537	1-11/64	1.1719	3	6	
TCQ538	1-3/16	1.1875	3	6	
TCQ539	1-13/64	1.2031	3	6	
TCQ540	1-7/32	1.2187	3	6	
TCQ541	1-15/64	1.2344	3	6	
TCQ542	1-1/4	1.25	3	6	
TCQ543	1-9/32	1.2813	3	6	
TCQ544	1-5/16	1.3125	3	6	
TCQ545	1-11/32	1.3437	3	6	
TCQ546	1-3/8	1.375	3	6	
TCQ547	1-13/32	1.4063	3	6	
TCQ548	1-7/16	1.4375	3	6	
TCQ549	1-15/32	1.4687	3	6	
TCQ550	1-1/2	1.5	3	6	

TAPER SHANK DRILL 118°

209 SERIES

- Steam oxide finish increases tool life and lubricity
- Material: High Speed Steel
- Point Angle: 118°
- Manufacturing Standards: ANSI
- Cutting Direction: Right Hand



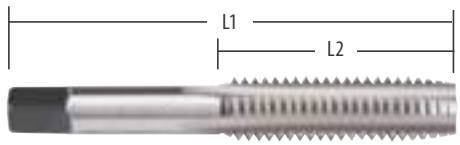
PRECISION

Model No.	Fractional Size"	Decimal Size"	L2"	L1"	Morse Taper Shank No.	Price /Each
TCP415	1/8	0.125	1-7/8	5-1/8	#1	
TCP416	9/64	0.1406	2-1/8	5-3/8	#1	
TCP417	5/32	0.1562	2-1/8	5-3/8	#1	
TCP418	11/64	0.1718	2-1/2	5-3/4	#1	
TCP419	3/16	0.1875	2-1/2	5-3/4	#1	
TCP420	13/64	0.2031	2-3/4	6	#1	
TCP421	7/32	0.2187	2-3/4	6	#1	
TCP422	15/64	0.2343	2-7/8	6-1/8	#1	
TCP423	1/4	0.25	2-7/8	6-1/8	#1	
TCP424	17/64	0.2656	3	6-1/4	#1	
TCP425	9/32	0.2812	3	6-1/4	#1	
TCP426	19/64	0.2968	3-1/8	6-3/8	#1	
TCP427	5/16	0.3125	3-1/8	6-3/8	#1	
TCP428	21/64	0.3281	3-1/4	6-1/2	#1	
TCP429	11/32	0.3437	3-1/4	6-1/2	#1	
TCP430	23/64	0.3593	3-1/2	6-3/4	#1	
TCP431	3/8	0.375	3-1/2	6-3/4	#1	
TCP432	25/64	0.3906	3-5/8	7	#1	
TCP433	13/32	0.4062	3-5/8	7	#1	
TCP434	27/64	0.4218	3-7/8	7-1/4	#1	
TCP435	7/16	0.4375	3-7/8	7-1/4	#1	
TCP436	29/64	0.4531	4-1/8	7-1/2	#1	
TCP437	15/32	0.4687	4-1/8	7-1/2	#1	
TCP438	31/64	0.4843	4-3/8	8-1/4	#2	
TCP439	1/2	0.5	4-3/8	8-1/4	#2	
TCP440	33/64	0.5156	4-5/8	8-1/2	#2	
TCP441	17/32	0.5312	4-5/8	8-1/2	#2	
TCP442	35/64	0.5468	4-7/8	8-3/4	#2	
TCP443	9/16	0.5625	4-7/8	8-3/4	#2	
TCP444	37/64	0.5781	4-7/8	8-3/4	#2	
TCP445	19/32	0.5937	4-7/8	8-3/4	#2	
TCP446	39/64	0.6093	4-7/8	8-3/4	#2	
TCP447	5/8	0.625	4-7/8	8-3/4	#2	
TCP448	41/64	0.6406	5-1/8	9	#2	
TCP449	21/32	0.6562	5-1/8	9	#2	
TCP450	43/64	0.6718	5-3/8	9-1/4	#2	
TCP451	11/16	0.6875	5-3/8	9-1/4	#2	
TCP452	45/64	0.7031	5-5/8	9-1/2	#2	
TCP453	23/32	0.7187	5-5/8	9-1/2	#2	
TCP454	47/64	0.7343	5-7/8	9-3/4	#2	
TCP455	3/4	0.75	5-7/8	9-3/4	#2	
TCP456	49/64	0.7656	6	9-7/8	#2	
TCP457	25/32	0.7812	6	9-7/8	#2	
TCP458	51/64	0.7968	6-1/8	10-3/4	#3	
TCP459	13/16	0.8125	6-1/8	10-3/4	#3	
TCP460	53/64	0.8281	6-1/8	10-3/4	#3	
TCP461	27/32	0.8437	6-1/8	10-3/4	#3	
TCP462	55/64	0.8593	6-1/8	10-3/4	#3	
TCP463	7/8	0.875	6-1/8	10-3/4	#3	
TCP464	57/64	0.8906	6-1/8	10-3/4	#3	
TCP465	29/32	0.9062	6-1/8	10-3/4	#3	
TCP466	59/64	0.9218	6-1/8	10-3/4	#3	
TCP467	15/16	0.9375	6-1/8	10-3/4	#3	
TCP468	61/64	0.9531	6-3/8	11	#3	
TCP469	31/32	0.9687	6-3/8	11	#3	
TCP470	63/64	0.9843	6-3/8	11	#3	
TCP471	1	1	6-3/8	11	#3	
TCP472	1-1/64	1.0156	6-1/2	11-1/8	#3	
TCP473	1-1/32	1.0312	6-1/2	11-1/8	#3	
TCP474	1-3/64	1.0468	6-5/8	11-1/4	#3	
TCP475	1-1/16	1.0625	6-5/8	11-1/4	#3	
TCP476	1-5/64	1.0781	6-7/8	12-1/2	#4	
TCP477	1-3/32	1.0937	6-7/8	12-1/2	#4	
TCP478	1-7/64	1.1093	7-1/8	12-3/4	#4	
TCP479	1-1/8	1.125	7-1/8	12-3/4	#4	
TCP480	1-9/64	1.1406	7-1/4	12-7/8	#4	
TCP481	1-5/32	1.1562	7-1/4	12-7/8	#4	
TCP482	1-11/64	1.1718	7-3/8	13	#4	
TCP483	1-3/16	1.1875	7-3/8	13	#4	
TCP485	1-7/32	1.2187	7-1/2	13-1/8	#4	
TCP486	1-15/64	1.2343	7-7/8	13-1/2	#4	
TCP487	1-1/4	1.25	7-7/8	13-1/2	#4	
TCP488	1-17/64	1.2656	8-1/2	14-1/8	#4	
TCP489	1-9/32	1.2812	8-1/2	14-1/8	#4	
TCP490	1-19/64	1.2968	8-5/8	14-1/4	#4	
TCP491	1-5/16	1.3125	8-5/8	14-1/4	#4	
TCP492	1-21/64	1.3281	8-3/4	14-3/8	#4	
TCP493	1-11/32	1.3437	8-3/4	14-3/8	#4	
TCP495	1-3/8	0.375	8-7/8	14-1/2	#4	
TCP497	1-13/32	1.4062	9	14-5/8	#4	
TCP498	1-27/64	1.4218	9-1/8	14-3/4	#4	
TCP499	1-7/16	1.4375	9-1/8	14-3/4	#4	
TCP501	1-15/32	1.4687	9-1/4	14-7/8	#4	
TCP502	1-31/64	1.4843	9-3/8	15	#4	
TCP503	1-1/2	1.5	9-3/8	15	#4	
TCP504	1-17/32	1.5312	9-3/8	16-3/8	#5	
TCP505	1-9/16	1.5625	9-5/8	16-5/8	#5	
TCP507	1-5/8	1.625	10	17	#5	
TCP509	1-11/16	1.6875	10-1/8	17-1/8	#5	
TCP511	1-3/4	1.75	10-1/8	17-1/8	#5	
TCP513	1-13/16	1.8125	10-1/8	17-1/8	#5	
TCP515	1-7/8	1.875	10-3/8	17-3/8	#5	
TCP517	1-15/16	1.9375	10-3/8	17-3/8	#5	
TCP519	2	2	10-3/8	17-3/8	#5	



HAND TAPS

- Versatile tap that can be used for both hand or machine tapping in a wide variety of materials
- Bright finish improves chip flow in soft or non-ferrous materials
- Material: High Speed Steel
- Manufacturing Standards: ANSI
- Cutting Direction: Right Hand
- **1500-1500S series:** Fractional sizes
- **1528-1528S series:** Machine screw sizes



Note: Sizes 0-80 through 3/8"-24 have a male centre on the thread end
Sizes 7/16"-14 through 1-1/2"-12 have a female centre/flat end

UNION BUTTERFIELD®

Thread Size	Thread Form	No. of Flutes	L2"	L1"	Limits	Taper Model No.	Plug Model No.	Bottoming Model No.	Price /Each	Sets	Price /Each
0-80	Unified Fine	2	5/16	1-5/8	H1	TCQ219	TCQ277	TCQ361		TCQ441	
0-80	Unified Fine	2	5/16	1-5/8	H2	-	TCQ278	TCQ362		-	-
1-64	Unified Coarse	2	3/8	1-11/16	H1	TCQ220	TCQ279	TCQ363		TCQ442	
1-72	Unified Fine	2	3/8	1-11/16	H1	TCQ221	TCQ280	TCQ364		TCQ443	
2-56	Unified Coarse	2	7/16	1-3/4	H2	-	TCQ281	TCQ365		-	-
2-56	Unified Coarse	3	7/16	1-3/4	H1	TCQ222	TCQ282	TCQ366		-	-
2-56	Unified Coarse	3	7/16	1-3/4	H2	TCQ223	TCQ283	TCQ367		TCQ444	
2-64	Unified Fine	3	7/16	1-3/4	H2	-	-	-	-	TCQ445	
3-48	Unified Coarse	2	1/2	1-13/16	H2	-	TCQ284	-		-	-
3-48	Unified Coarse	3	1/2	1-13/16	H2	TCQ224	TCQ285	TCQ368		TCQ446	
3-56	Unified Fine	3	1/2	1-13/16	H2	TCQ225	TCQ286	TCQ369		TCQ447	
4-40	Unified Coarse	2	9/16	1-7/8	H2		TCQ287	TCQ370		-	-
4-40	Unified Coarse	3	9/16	1-7/8	H1	TCQ226	TCQ288	TCQ371		-	-
4-40	Unified Coarse	3	9/16	1-7/8	H2	TCQ227	TCQ289	TCQ372		TCQ448	
4-48	Unified Fine	3	9/16	1-7/8	H2	TCQ228	TCQ290	TCQ373		TCQ449	
4-36	Unified Special	3	9/16	1-7/8	H2	-	-	-	-	TCQ450	
5-40	Unified Coarse	3	5/8	1-15/16	H2	TCQ229	TCQ291	TCQ374		TCQ451	
5-44	Unified Fine	3	5/8	1-15/16	H2	TCQ230	TCQ292	TCQ375		TCQ452	
6-32	Unified Coarse	2	11/16	2	H2	-	TCQ293	TCQ376		-	-
6-32	Unified Coarse	2	11/16	2	H3	-	TCQ294	TCQ377		-	-
6-32	Unified Coarse	3	11/16	2	H1	TCQ231	TCQ295	TCQ378		-	-
6-32	Unified Coarse	3	11/16	2	H2	TCQ232	TCQ296	TCQ379		TCQ453	
6-32	Unified Coarse	3	11/16	2	H3	TCQ233	TCQ297	TCQ380		TCQ454	
6-40	Unified Fine	3	11/16	2	H2	TCQ234	TCQ298	TCQ381		TCQ455	
8-32	Unified Coarse	2	3/4	2-1/8	H2	-	TCQ299	TCQ382		-	-
8-32	Unified Coarse	2	3/4	2-1/8	H3	-	TCQ300	TCQ383		-	-
8-32	Unified Coarse	3	3/4	2-1/8	H2	-	TCQ301	TCQ384		-	-
8-32	Unified Coarse	3	3/4	2-1/8	H3	-	TCQ302	TCQ385		-	-
8-32	Unified Coarse	4	3/4	2-1/8	H1	-	TCQ303	-		-	-
8-32	Unified Coarse	4	3/4	2-1/8	H2	TCQ235	TCQ304	TCQ386		TCQ456	
8-32	Unified Coarse	4	3/4	2-1/8	H3	TCQ236	TCQ305	TCQ387		TCQ457	
8-36	Unified Fine	4	3/4	2-1/8	H2	TCQ237	TCQ306	TCQ388		TCQ458	
10-24	Unified Coarse	2	7/8	2-3/8	H2	-	TCQ307	TCQ389		-	-
10-24	Unified Coarse	2	7/8	2-3/8	H3	-	TCQ308	TCQ390		-	-
10-24	Unified Coarse	3	7/8	2-3/8	H2	-	TCQ309	-		-	-
10-24	Unified Coarse	3	7/8	2-3/8	H3	-	TCQ310	TCQ391		-	-
10-24	Unified Coarse	4	7/8	2-3/8	H1	-	TCQ311	-		-	-
10-24	Unified Coarse	4	7/8	2-3/8	H2	TCQ238	TCQ312	TCQ392		TCQ459	
10-24	Unified Coarse	4	7/8	2-3/8	H3	TCQ239	TCQ313	TCQ393		TCQ460	
10-32	Unified Fine	2	7/8	2-3/8	H2	-	TCQ314	TCQ394		-	-
10-32	Unified Fine	2	7/8	2-3/8	H3	-	TCQ315	TCQ395		-	-
10-32	Unified Fine	3	7/8	2-3/8	H2	-	TCQ316	TCQ396		-	-
10-32	Unified Fine	3	7/8	2-3/8	H3	-	TCQ317	TCQ397		-	-
10-32	Unified Fine	4	7/8	2-3/8	H2	TCQ240	TCQ318	TCQ398		TCQ461	
10-32	Unified Fine	4	7/8	2-3/8	H3	TCQ241	TCQ319	TCQ399		TCQ462	
12-24	Unified Coarse	4	15/16	2-3/8	H3	TCQ242	TCQ320	TCQ400		TCQ463	
12-28	Unified Fine	4	15/16	2-3/8	H3	TCQ243	TCQ321	TCQ401		TCQ464	
1/4"-20	Unified Coarse	4	1	2-1/2	H1	TCQ244	TCQ322	TCQ402		-	-
1/4"-20	Unified Coarse	4	1	2-1/2	H2	TCQ245	TCQ323	TCQ403		-	-
1/4"-20	Unified Coarse	4	1	2-1/2	H3	TCQ246	TCQ324	TCQ404		TCQ465	
1/4"-20	Unified Coarse	4	1	2-1/2	H5	-	TCQ325	TCQ405		-	-
1/4"-28	Unified Fine	4	1	2-1/2	H2	-	TCQ326	TCQ406		-	-
1/4"-28	Unified Fine	4	1	2-1/2	H3	TCQ247	TCQ327	TCQ407		TCQ466	
1/4"-28	Unified Fine	4	1	2-1/2	H5	-	TCQ328	TCQ408		-	-
5/16"-18	Unified Coarse	4	1-1/8	2-23/32	H2	TCQ248	TCQ329	TCQ409		-	-
5/16"-18	Unified Coarse	4	1-1/8	2-23/32	H3	TCQ249	TCQ330	TCQ410		TCQ467	
5/16"-24	Unified Fine	4	1-1/8	2-23/32	H3	TCQ250	TCQ331	TCQ411		TCQ468	
3/8"-16	Unified Coarse	4	1-1/4	2-15/16	H2	TCQ251	TCQ332	TCQ412		-	-
3/8"-16	Unified Coarse	4	1-1/4	2-15/16	H3	TCQ252	TCQ333	TCQ413		TCQ469	
3/8"-16	Unified Coarse	4	1-1/4	2-15/16	H5	-	TCQ334	TCQ414		-	-
3/8"-24	Unified Fine	4	1-1/4	2-15/16	H3	TCQ253	TCQ335	TCQ415		TCQ470	
7/16"-14	Unified Coarse	4	1-7/16	3-5/32	H3	TCQ254	TCQ336	TCQ416		TCQ471	
7/16"-20	Unified Fine	4	1-7/16	3-5/32	H3	TCQ255	TCQ337	TCQ417		TCQ472	
1/2"-13	Unified Coarse	4	1-21/32	3-3/8	H2	-	TCQ338	TCQ418		-	-
1/2"-13	Unified Coarse	4	1-21/32	3-3/8	H3	TCQ256	TCQ339	TCQ419		TCQ473	
1/2"-13	Unified Coarse	4	1-21/32	3-3/8	H5	-	TCQ340	TCQ420		-	-
1/2"-20	Unified Fine	4	1-21/32	3-3/8	H3	TCQ257	TCQ341	TCQ421		TCQ474	
9/16"-12	Unified Coarse	4	1-21/32	3-19/32	H3	TCQ258	TCQ342	TCQ422		TCQ475	

HAND TAPS (CONT.)

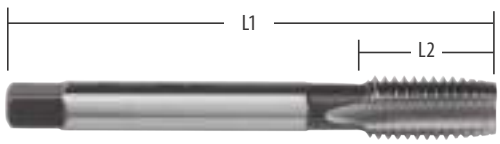
Thread Size	Thread Form	No. of Flutes	L2"	L1"	Limits	Taper Model No.	Plug Model No.	Bottoming Model No.	Price /Each	Sets	Price /Each
9/16"-18	Unified Fine	4	1-21/32	3-19/32	H3	TCQ259	TCQ343	TCQ423		TCQ476	
5/8"-11	Unified Coarse	4	1-13/16	3-13/16	H3	TCQ260	TCQ344	TCQ424		TCQ477	
5/8"-18	Unified Fine	4	1-13/16	3-13/16	H3	TCQ261	TCQ345	TCQ425		TCQ478	
11/16"-11	Unified Special	4	1-13/16	4-1/32	H3	-	-	-	-	TCQ479	
11/16"-16	Unified Special	4	1-13/16	4-1/32	H3	-	-	-	-	TCQ480	
3/4"-10	Unified Coarse	4	2	4-1/4	H3	TCQ262	TCQ346	TCQ426		TCQ481	
3/4"-16	Unified Fine	4	2	4-1/4	H3	TCQ263	TCQ347	TCQ427		TCQ482	
7/8"-9	Unified Coarse	4	2-7/32	4-11/16	H4	TCQ264	TCQ348	TCQ428		TCQ483	
7/8"-14	Unified Fine	4	2-7/32	4-11/16	H4	TCQ265	TCQ349	TCQ429		TCQ484	
1"-8	Unified Coarse	4	2-1/2	5-1/8	H4	TCQ266	TCQ350	TCQ430		TCQ485	
1"-12	Unified Fine	4	2-1/2	5-1/8	H4	TCQ267	TCQ351	TCQ431		TCQ486	
1"-14	Unified Special	4	2-1/2	5-1/8	H4	TCQ268	TCQ352	TCQ432		TCQ487	
1-1/8"-7	Unified Coarse	4	2-9/16	5-7/16	H4	TCQ269	TCQ353	TCQ433		TCQ488	
1-1/8"-12	Unified Fine	4	2-9/16	5-7/16	H4	TCQ270	TCQ354	TCQ434		TCQ489	
1-1/4"-7	Unified Coarse	4	2-9/16	5-3/4	H4	TCQ271	TCQ355	TCQ435		TCQ490	
1-1/4"-12	Unified Fine	6	2-9/16	5-3/4	H4	TCQ272	TCQ356	TCQ436		TCQ491	
1-3/8"-6	Unified Coarse	4	3	6-1/16	H4	TCQ273	TCQ357	TCQ437		TCQ492	
1-3/8"-12	Unified Fine	6	3	6-1/16	H4	TCQ274	TCQ358	TCQ438		TCQ493	
1-1/2"-6	Unified Coarse	4	3	6-3/8	H4	TCQ275	TCQ359	TCQ439		TCQ494	
1-1/2"-12	Unified Fine	6	3	6-3/8	H4	TCQ276	TCQ360	TCQ440		TCQ495	

HAND TAPS

E500 SERIES

- Versatile tap that can be used for both hand or machine tapping in a wide variety of materials
- Bright finish improves chip flow in soft or non-ferrous materials
- Material: High Speed Steel
- Manufacturing Standards: ISO 529
- Tolerance: 6H
- Cutting Direction: Right Hand

Note: ISO shank and square dimensions require metric holders



DORMER

Thread Size	Thread Form	No. of Flutes	L2 mm	L1 mm	Taper Model No.	Plug Model No.	Bottoming Model No.	Price /Each	Sets	Price /Each
M1 x 0.25	Metric Coarse	2	4.5	38	TCQ069	TCQ111	TCQ153		-	-
M1.2 x 0.25	Metric Coarse	2	4.5	38	TCQ070	TCQ112	TCQ154		-	-
M1.4 x 0.3	Metric Coarse	2	6	40	TCQ071	TCQ113	TCQ155		-	-
M1.6 x 0.35	Metric Coarse	2	8	41	TCQ072	TCQ114	TCQ156		TCQ197	
M1.7 x 0.35	Metric Coarse	2	8	41	TCQ073	TCQ115	TCQ157		TCQ198	
M1.8 x 0.35	Metric Coarse	2	8	41	TCQ074	TCQ116	TCQ158		-	-
M2 x 0.4	Metric Coarse	3	8	41	TCQ078	TCQ120	TCQ162		TCQ202	
M2 x 0.45	Metric Coarse	3	8	41	TCQ079	TCQ121	TCQ163		-	-
M2.2 x 0.45	Metric Coarse	3	9.5	44.5	TCQ080	TCQ122	TCQ164		-	-
M2.3 x 0.45	Metric Coarse	3	9.5	44.5	TCQ081	TCQ123	TCQ165		-	-
M2.5 x 0.45	Metric Coarse	3	9.5	44.5	TCQ082	TCQ124	TCQ166		TCQ203	
M2.6 x 0.45	Metric Coarse	3	9.5	44.5	TCQ083	TCQ125	TCQ167		-	-
M3 x 0.5	Metric Coarse	3	12.5	48	TCQ084	TCQ126	TCQ168		TCQ204	
M3 x 0.6	Metric Coarse	3	12.5	48	TCQ085	TCQ127	TCQ169		-	-
M3.5 x 0.6	Metric Coarse	3	14	50	TCQ086	TCQ128	TCQ170		TCQ205	
M4 x 0.7	Metric Coarse	3	14	53	TCQ087	TCQ129	TCQ171		TCQ206	
M4 x 0.75	Metric Coarse	3	14	53	TCQ088	TCQ130	TCQ172		-	-
M4.5 x 0.75	Metric Coarse	3	9.5	53	TCQ089	TCQ131	TCQ173		TCQ207	
M5 x 0.8	Metric Coarse	3	11	58	TCQ090	TCQ132	TCQ174		TCQ208	
M5 x 0.9	Metric Coarse	3	11	58	TCQ091	TCQ133	TCQ175		-	-
M5.5 x 0.9	Metric Coarse	3	12	62	TCQ092	TCQ134	TCQ176		-	-
M6 x 1	Metric Coarse	3	13	66	TCQ093	TCQ135	TCQ177		TCQ209	
M7 x 1	Metric Coarse	3	13	66	TCQ094	TCQ136	TCQ178		TCQ210	
M8 x 1.25	Metric Coarse	3	16	72	TCQ095	TCQ137	TCQ179		TCQ211	
M9 x 1.25	Metric Coarse	3	16	72	TCQ096	TCQ138	TCQ180		TCQ212	
M10 x 1.5	Metric Coarse	3	18	80	TCQ075	TCQ117	TCQ159		TCQ199	
M11 x 1.5	Metric Coarse	3	19	85	TCQ076	TCQ118	TCQ160		TCQ200	
M12 x 1.75	Metric Coarse	3	22	89	TCQ077	TCQ119	TCQ161		TCQ201	
M14 x 2	Metric Coarse	4	24	95	TCQ097	TCQ139	TCQ181		TCQ213	
M16 x 2	Metric Coarse	4	24	102	TCQ098	TCQ140	TCQ182		TCQ214	
M18 x 2.5	Metric Coarse	4	29	112	TCQ099	TCQ141	TCQ183		TCQ215	
M20 x 2.5	Metric Coarse	4	29	112	TCQ100	TCQ142	TCQ184		TCQ216	
M22 x 2.5	Metric Coarse	4	29	118	TCQ101	TCQ143	TCQ185		TCQ217	
M24 x 3	Metric Coarse	4	35	130	TCQ102	TCQ144	TCQ186		TCQ218	
M27 x 3	Metric Coarse	4	35	135	TCQ103	TCQ145	TCQ187		-	-
M30 x 3.5	Metric Coarse	4	41	138	TCQ104	TCQ146	TCQ188		-	-
M33 x 3.5	Metric Coarse	4	41	151	TCQ105	TCQ147	TCQ189		-	-
M36 x 4	Metric Coarse	4	47	162	TCQ106	TCQ148	TCQ190		-	-
M39 x 4	Metric Coarse	4	47	170	TCQ107	TCQ149	TCQ191		-	-
M42 x 4.5	Metric Coarse	6	53	170	TCQ108	TCQ150	TCQ192		-	-
M45 x 4.5	Metric Coarse	6	54	187	TCQ109	TCQ151	TCQ193		-	-
M48 x 5	Metric Coarse	6	60	187	TCQ110	TCQ152	TCQ194		-	-
M52 x 5	Metric Coarse	6	60	200	-	-	TCQ195		-	-
M56 x 5.5	Metric Coarse	6	60	200	-	-	TCQ196		-	-

SPIRAL POINT TAPS

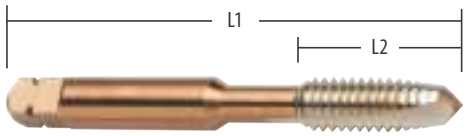
DORMER

- Material: High Speed Cobalt
- Manufacturing Standards: ANSI
- Cutting Direction: Right Hand
- Chamfer Type: Plug
- Tolerance: 3B

EO25 & EO35 SERIES - BRIGHT FLUTE & BRONZE BODY FINISH

- Premium substrate for through hole tapping in tough or abrasive materials
- Bronze oxide body and shank reduces rust and corrosion
- Bright finish flutes improve chip flow in soft or non-ferrous materials

Note: Reinforced shanks: Sizes 6-32 to 3/8"-24
Reduced shanks: Sizes 7/16"-14 to 1"-14



Model No.	Thread Size	Thread Form	No. of Flutes	L2"	L1"	Limits	Price /Each
TCP825	6-32	Unified Coarse	2	0.2610	2	H2	
TCP868	6-40	Unified Fine	2	0.261	2	H2	
TCP826	8-32	Unified Coarse	2	0.2484	2-1/8	H2	
TCP869	8-36	Unified Fine	2	0.2484	2-1/8	H2	
TCP827	10-24	Unified Coarse	2	0.4303	2-3/8	H3	
TCP870	10-32	Unified Fine	3	0.4303	2-3/8	H2	
TCP828	12-24	Unified Coarse	3	0.4173	2-3/8	H3	
TCP829	1/4"-20	Unified Coarse	2	0.5075	2-1/2	H3	
TCP830	1/4"-20	Unified Coarse	3	0.5075	2-1/2	H3	
TCP871	1/4"-28	Unified Fine	2	0.5075	2-1/2	H3	
TCP872	1/4"-28	Unified Fine	3	0.5075	2-1/2	H3	
TCP831	5/16"-18	Unified Coarse	2	0.5939	2-23/32	H3	
TCP832	5/16"-18	Unified Coarse	3	0.5939	2-23/32	H3	
TCP873	5/16"-24	Unified Fine	2	0.5939	2-23/32	H3	
TCP874	5/16"-24	Unified Fine	3	0.5939	2-23/32	H3	
TCP833	3/8"-16	Unified Coarse	2	0.602	2-15/16	H3	
TCP834	3/8"-16	Unified Coarse	3	0.602	2-15/16	H3	
TCP875	3/8"-24	Unified Fine	3	0.602	2-15/16	H3	

Model No.	Thread Size	Thread Form	No. of Flutes	L2"	L1"	Limits	Price /Each
TCP876	3/8"-24	Unified Fine	2	0.602	2-15/16	H3	
TCP835	7/16"-14	Unified Coarse	3	0.9055	3-5/32	H3	
TCP877	7/16"-20	Unified Fine	3	0.9055	3-5/32	H3	
TCP836	1/2"-13	Unified Coarse	3	0.9055	3-3/8	H3	
TCP837	1/2"-13	Unified Coarse	3	0.9055	3-3/8	H3	
TCP878	1/2"-20	Unified Fine	3	0.9055	3-3/8	H3	
TCP879	1/2"-20	Unified Fine	3	0.9055	3-3/8	H3	
TCP838	9/16"-12	Unified Coarse	3	0.9843	3-19/32	H3	
TCP880	9/16"-18	Unified Fine	3	0.9843	3-19/32	H3	
TCP839	5/8"-11	Unified Coarse	3	0.9843	3-13/16	H3	
TCP881	5/8"-18	Unified Fine	3	0.9843	3-13/16	H3	
TCP840	3/4"-10	Unified Coarse	3	1.1614	4-1/4	H4	
TCP882	3/4"-16	Unified Fine	3	1.1614	4-1/4	H3	
TCP841	7/8"-9	Unified Coarse	2	1.1614	4-11/16	H4	
TCP883	7/8"-14	Unified Fine	3	1.1614	4-11/16	H4	
TCP842	1"-8	Unified Coarse	2	1.3976	5-1/8	H4	
TCP884	1"-14	Unified Fine	2	1.3976	5-1/8	H4	

EO26 & EO36 SERIES - STEAM OXIDE FINISH

- Premium substrate with steam oxide surface treatment reduces wear and prevents chip welding in abrasive or harder ferrous materials

Note: Reinforced Shanks: Sizes 2-56 to 3/8"-24
Reduced Shanks: Sizes 7/16"-14 to 1"-14



Model No.	Thread Size	Thread Form	No. of Flutes	L2"	L1"	Limits	Price /Each
TCP843	2-56	Unified Coarse	2	0.314	1-3/4	H2	
TCP844	4-40	Unified Coarse	2	0.6091	1-7/8	H2	
TCP845	5-40	Unified Coarse	2	0.7404	1-15/16	H2	
TCP846	6-32	Unified Coarse	2	0.261	2	H2	
TCP847	8-32	Unified Coarse	2	0.2484	2-1/8	H2	
TCP848	10-24	Unified Coarse	2	0.4303	2-3/8	H3	
TCP885	10-32	Unified Fine	2	0.4303	2-3/8	H2	
TCP849	12-24	Unified Coarse	3	0.4173	2-3/8	H3	
TCP886	12-28	Unified Fine	2	0.4173	2-3/8	H3	
TCP850	1/4"-20	Unified Coarse	3	0.5075	2-1/2	H3	
TCP851*	1/4"-20	Unified Coarse	2	0.5075	2-1/2	H11	
TCP852	1/4"-20	Unified Coarse	3	0.5075	2-1/2	H3	
TCP887	1/4"-28	Unified Fine	2	0.5075	2-1/2	H3	
TCP888	1/4"-28	Unified Fine	3	0.5075	2-1/2	H3	
TCP853	5/16"-18	Unified Coarse	3	0.5939	2-23/32	H3	
TCP854*	5/16"-18	Unified Coarse	2	0.5939	2-23/32	H11	
TCP855	5/16"-18	Unified Coarse	3	0.5939	2-23/32	H3	
TCP889	5/16"-24	Unified Fine	2	0.5939	2-23/32	H3	
TCP890	5/16"-24	Unified Fine	3	0.5939	2-23/32	H3	
TCP856	3/8"-16	Unified Coarse	3	0.602	2-15/16	H3	
TCP857*	3/8"-16	Unified Coarse	3	0.602	2-15/16	H11	

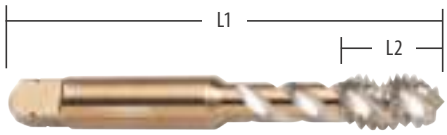
* Tolerance: Oversize +.005", not 3B

Model No.	Thread Size	Thread Form	No. of Flutes	L2"	L1"	Limits	Price /Each
TCP858	3/8"-16	Unified Coarse	2	0.602	2-15/16	H3	
TCP891	3/8"-24	Unified Fine	2	0.602	2-15/16	H3	
TCP859	7/16"-14	Unified Coarse	3	0.9055	3-5/32	H3	
TCP892	7/16"-20	Unified Fine	3	0.9055	3-5/32	H3	
TCP860	1/2"-13	Unified Coarse	3	0.9055	3-3/8	H3	
TCP861*	1/2"-13	Unified Coarse	3	0.9055	3-3/8	H11	
TCP862	1/2"-13	Unified Coarse	3	0.9055	3-3/8	H3	
TCP893	1/2"-20	Unified Fine	3	0.9055	3-3/8	H3	
TCP894	1/2"-20	Unified Fine	2	0.9055	3-3/8	H3	
TCP863	9/16"-12	Unified Coarse	3	0.9843	3-19/32	H3	
TCP895	9/16"-18	Unified Fine	3	0.9843	3-19/32	H3	
TCP864*	5/8"-11	Unified Coarse	3	0.9843	3-13/16	H11	
TCP865	5/8"-11	Unified Coarse	3	0.9843	3-13/16	H3	
TCP896	5/8"-18	Unified Fine	3	0.9843	3-13/16	H3	
TCP866	3/4"-10	Unified Coarse	2	1.1614	4-1/4	H4	
TCP897	3/4"-16	Unified Fine	3	1.1614	4-1/4	H3	
TCP867	7/8"-9	Unified Coarse	2	1.1614	4-11/16	H4	
TCP898	7/8"-14	Unified Fine	3	1.1614	4-11/16	H4	
TCP899	1"-12	Unified Fine	3	1.3976	5-1/8	H4	
TCP900	1"-14	Unified Fine	3	1.3976	5-1/8	H4	

SPIRAL FLUTE TAPS 45°

DORMER

- Material: High Speed Cobalt
- Manufacturing Standards: ANSI
- Chamfer Type: Semi-Bottoming
- Tolerance: 3B
- Cutting Direction: Right Hand



EO27 & EO37 SERIES - BRIGHT FLUTES & BRONZE OXIDE BODY FINISH

- Premium substrate for blind hole tapping in tough or abrasive materials
- Bronze oxide body and shank reduces rust and corrosion
- Bright finish flutes improve chip flow in soft and non-ferrous materials

Model No.	Thread Size	Thread Form	No. of Flutes	L2"	L1"	Limits	Price /Each
TCQ017	6-32	Unified Coarse	3	0.261	2	H2	
TCQ018	8-32	Unified Coarse	3	0.2484	2-1/8	H2	
TCQ019	10-24	Unified Coarse	3	0.265	2-3/8	H3	
TCQ047	10-32	Unified Fine	3	0.265	2-3/8	H2	
TCQ020	12-24	Unified Coarse	3	0.252	2-3/8	H3	
TCQ021	1/4"-20	Unified Coarse	3	0.3937	2-1/2	H3	
TCQ048	1/4"-28	Unified Fine	3	0.3937	2-1/2	H3	
TCQ022	5/16"-18	Unified Coarse	3	0.4567	2-23/32	H3	
TCQ049	5/16"-24	Unified Fine	3	0.4567	2-23/32	H3	
TCQ023	3/8"-16	Unified Coarse	3	0.5315	2-15/16	H3	
TCQ050	3/8"-24	Unified Fine	3	0.5315	2-15/16	H3	
TCQ024	7/16"-14	Unified Coarse	3	0.6299	3-5/32	H3	
TCQ051	7/16"-20	Unified Fine	3	0.6299	3-5/32	H3	

Model No.	Thread Size	Thread Form	No. of Flutes	L2"	L1"	Limits	Price /Each
TCQ025	1/2"-13	Unified Coarse	3	0.689	3-3/8	H3	
TCQ052	1/2"-20	Unified Fine	3	0.689	3-3/8	H3	
TCQ026	9/16"-12	Unified Coarse	3	0.7087	3-19/32	H3	
TCQ053	9/16"-18	Unified Fine	3	0.7087	3-19/32	H3	
TCQ027	5/8"-11	Unified Coarse	3	0.7087	3-13/16	H3	
TCQ054	5/8"-18	Unified Fine	3	0.7087	3-13/16	H3	
TCQ028	3/4"-10	Unified Coarse	3	0.8858	4-1/4	H4	
TCQ055	3/4"-16	Unified Fine	3	0.8858	4-1/4	H3	
TCQ029	7/8"-9	Unified Coarse	3	0.9843	4-11/16	H4	
TCQ056	7/8"-14	Unified Fine	3	0.9843	4-11/16	H4	
TCQ030	1"-8	Unified Coarse	3	1.1811	5-1/8	H4	
TCQ057	1"-14	Unified Fine	3	1.1811	5-1/8	H4	

EO28 & EO38 SERIES - STEAM OXIDE FINISH

- Premium substrate with steam oxide surface treatment reduces wear and prevents chip welding in abrasive or harder ferrous materials

Note: Reinforced shanks: Sizes 4-40 to 3/8"-24
Reduced shanks: Sizes 7/16"-14 to 1"-14



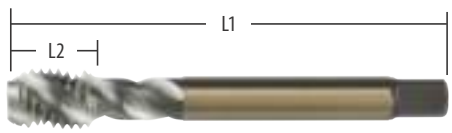
Model No.	Thread Size	Thread Form	No. of Flutes	L2"	L1"	Limits	Price /Each
TCQ031	4-40	Unified Coarse	3	0.6091	1-7/8	H2	
TCQ032	5-40	Unified Coarse	3	0.7404	1-15/16	H2	
TCQ033	6-32	Unified Coarse	3	0.261	2	H2	
TCQ034	8-32	Unified Coarse	3	0.2484	2-1/8	H2	
TCQ035	10-24	Unified Coarse	3	0.265	2-3/8	H3	
TCQ058	10-32	Unified Fine	3	0.265	2-3/8	H2	
TCQ036	12-24	Unified Coarse	3	0.252	2-3/8	H3	
TCQ037	1/4"-20	Unified Coarse	3	0.3937	2-1/2	H3	
TCQ059	1/4"-28	Unified Fine	3	0.3937	2-1/2	H3	
TCQ038	5/16"-18	Unified Coarse	3	0.4567	2-23/32	H3	
TCQ060	5/16"-24	Unified Fine	3	0.4567	2-23/32	H3	
TCQ039	3/8"-16	Unified Coarse	3	0.5315	2-15/16	H3	
TCQ061	3/8"-24	Unified Fine	3	0.5315	2-15/16	H3	
TCQ040	7/16"-14	Unified Coarse	3	0.6299	3-5/32	H3	

Model No.	Thread Size	Thread Form	No. of Flutes	L2"	L1"	Limits	Price /Each
TCQ062	7/16"-20	Unified Fine	3	0.6299	3-5/32	H3	
TCQ041	1/2"-13	Unified Coarse	3	0.689	3-3/8	H3	
TCQ063	1/2"-20	Unified Fine	3	0.689	3-3/8	H3	
TCQ042	9/16"-12	Unified Coarse	3	0.7087	3-19/32	H3	
TCQ064	9/16"-18	Unified Fine	3	0.7087	3-19/32	H3	
TCQ043	5/8"-11	Unified Coarse	3	0.7087	3-13/16	H3	
TCQ065	5/8"-18	Unified Fine	3	0.7087	3-13/16	H3	
TCQ044	3/4"-10	Unified Coarse	3	0.8858	4-1/4	H4	
TCQ066	3/4"-16	Unified Fine	3	0.8858	4-1/4	H3	
TCQ045	7/8"-9	Unified Coarse	3	0.9843	4-11/16	H4	
TCQ067	7/8"-14	Unified Fine	3	0.9843	4-11/16	H4	
TCQ046	1"-8	Unified Coarse	3	1.1811	5-1/8	H4	
TCQ068	1"-14	Unified Fine	3	1.1811	5-1/8	H4	

SPIRAL FLUTE TAP 45°

- Material: High Speed Cobalt
- Manufacturing Standards: ISO 529
- Helix Angle: 45°
- Cutting Direction: Right Hand
- Chamfer Type: Semi-Bottoming
- Tolerance: 6H

Note: ISO shank and square dimensions require metric holders



E002 SERIES - BRIGHT FLUTE & BRONZE OXIDE BODY FINISH

- Premium substrate for blind hole tapping in tough or abrasive materials
- Bronze oxide body and shank reduces rust and corrosion
- Bright finish flutes improve chip flow in soft and non-ferrous materials

Note: Reinforced shanks: Sizes M2 x 0.4 to M10 x 1.5
Reduced shanks: Sizes M12 x1.75 to M24 x 3

DORMER

Model No.	Thread Size	Thread Form	No. of Flutes	L2 mm	L1 mm	Limits	Price /Each
TCP968	M2 x 0.4	Metric Coarse	2	8	41	D3	
TCP969	M2.5 x 0.45	Metric Coarse	2	9.5	44.5	D3	
TCP970	M3 x 0.5	Metric Coarse	3	6	48	D3	
TCP971	M4 x 0.7	Metric Coarse	3	7	53	D4	
TCP972	M5 x 0.8	Metric Coarse	3	8	58	D4	
TCP973	M6 x 1	Metric Coarse	3	10	66	D5	
TCP974	M8 x 1.25	Metric Coarse	3	12	72	D5	
TCP975	M10 x 1.5	Metric Coarse	3	15	80	D6	

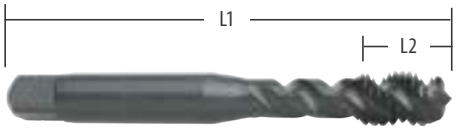
Model No.	Thread Size	Thread Form	No. of Flutes	L2 mm	L1 mm	Limits	Price /Each
TCP976	M12 x 1.75	Metric Coarse	3	16	89	D6	
TCP977	M14 x 2	Metric Coarse	3	18	95	D7	
TCP978	M16 x 2	Metric Coarse	4	18	102	D7	
TCP979	M18 x 2.5	Metric Coarse	4	29	112	D7	
TCP980	M20 x 2.5	Metric Coarse	4	29	112	D7	
TCP981	M22 x 2.5	Metric Coarse	4	29	118	D8	
TCP982	M24 x 3	Metric Coarse	4	35	130	D8	

SPIRAL FLUTE TAP 45° (CONT.)

E003 & EO13 SERIES - STEAM OXIDE FINISH

- Premium substrate with steam oxide surface treatment reduces wear and prevents chip welding in abrasive or harder ferrous materials

Note: Reinforced shanks: sizes M2 x 0.4 to M10 x 1.25
Reduced shanks: sizes M12 x 1 to M24 x 3



Model No.	Thread Size	Thread Form	No. of Flutes	L2 mm	L1 mm	Limits	Price /Each
TCP983	M2x0.4	Metric Coarse	2	8	41	D3	
TCP984	M2.5x0.45	Metric Coarse	2	9.5	44.5	D3	
TCP985	M3x0.5	Metric Coarse	3	6	48	D3	
TCP998	M4x0.5	Metric Fine	3	7	53	D4	
TCP986	M4x0.7	Metric Coarse	3	7	53	D4	
TCP999	M5x0.5	Metric Fine	3	8	58	D4	
TCP987	M5x0.8	Metric Coarse	3	8	58	D4	
TCQ000	M6x0.5	Metric Fine	3	10	66	D5	
TCQ001	M6x0.75	Metric Fine	3	10	66	D5	
TCP988	M6x1	Metric Coarse	3	10	66	D5	
TCQ002	M8x0.75	Metric Fine	3	12	72	D5	
TCQ003	M8x1	Metric Fine	3	12	72	D5	
TCP989	M8x1.25	Metric Coarse	3	12	72	D5	
TCQ004	M10x1	Metric Fine	3	15	80	D6	
TCQ005	M10x1.25	Metric Fine	3	15	80	D6	
TCP990	M10x1.5	Metric Coarse	3	15	80	D6	

Model No.	Thread Size	Thread Form	No. of Flutes	L2 mm	L1 mm	Limits	Price /Each
TCQ006	M12x1	Metric Fine	3	16	89	D6	
TCQ007	M12x1.25	Metric Fine	3	16	89	D6	
TCQ008	M12x1.5	Metric Fine	3	16	89	D6	
TCP991	M12x1.75	Metric Coarse	3	16	89	D6	
TCQ009	M14x1.5	Metric Fine	3	18	95	D7	
TCP992	M14x2	Metric Coarse	3	18	95	D7	
TCQ010	M16x1	Metric Fine	4	18	102	D7	
TCQ011	M16x1.5	Metric Fine	4	18	102	D7	
TCP993	M16x2	Metric Coarse	4	18	102	D7	
TCQ012	M18x1.5	Metric Fine	4	29	112	D7	
TCP994	M18x2.5	Metric Coarse	4	29	112	D7	
TCQ013	M20x1.5	Metric Fine	4	29	112	D7	
TCP995	M20x2.5	Metric Coarse	4	29	112	D7	
TCQ014	M22x1.5	Metric Fine	4	29	112	D8	
TCP996	M22x2.5	Metric Coarse	4	29	118	D8	
TCP997	M24x3	Metric Coarse	4	35	130	D8	

MEDIUM HOOK PIPE TAPS

DORMER

E710 SERIES

- Generally used for pipe fittings and couplings in most ferrous and non-ferrous materials
- Medium hook for multi-material tapping
- Straight flute
- Material: High Speed Steel
- Thread Form: National Taper Pipe
- Manufacturing Standards: ANSI B94.9
- Finish: Bright
- Cutting Direction: Right Hand

Note: NPT threads require the use of a sealant such as teflon tape or pipe compound to ensure a tight joint



Model No.	Pipe Size	No. of Flutes	L2 mm	L1 mm	Price /Each
TCP958	1/16"-27	4	17	65	
TCP959	1/8"-27	4	19	70	
TCP960	1/4"-18	4	27	75	
TCP961	3/8"-18	4	27	80	
TCP962	1/2"-14	4	35	100	
TCP963	3/4"-14	5	35	105	
TCP964	1"-11.5	5	43	115	
TCP965	1-1/4"-11.5	5	43	125	
TCP966	1-1/2"-11.5	7	43	135	
TCP967	2"-11.5	7	43	145	

STRAIGHT HANDLE TAP WRENCHES

3850 SERIES

- Ideal for hand tapping
- Hardened steel jaws are opened and closed by simply twisting one hand which is knurled for side gripping



UNION BUTTERFIELD®

Model No.	Imperial Hand Tap Capicity"	Metric Hand Tap Capacity	Hand Reamer Capacity"	Size	Price /Each
TCP921	1/16 - 5/16	M1 - M8	1/8 - 5/16	#8	
TCP922	3/16 - 1/2	M4 - M12	3/16 - 3/8	#9	
TCP923	1/4 - 3/4	M3 - M18	1/4 - 9/16	#10	
TCP924	3/8 - 1	M10 - M25	3/8 - 3/4	#11	
TCP925	3/8 - 1-1/8	M10 - M27	3/8 - 7/8	#12	
TCP926	7/8 - 1-7/8	M22 - M42	5/8 - 1-1/2	#14	

SCREW EXTRACTORS

- Left hand rotation screw extractors
- Material: Chromium Steel



UNION BUTTERFIELD®

1800 SERIES

Model No.	Extractor Size	For Screw/Bolt Sizes"	For Pipe Sizes"	Overall Length"	Small End Diameter"	Shank Size"	Price /Each
TCP901	#1	3/16 - 1/4	-	2	0.054	5/32	
TCP902	#2	1/4 - 5/16	-	2-3/8	0.086	3/16	
TCP903	#3	5/16 - 7/16	-	2-3/4	1/8	1/4	
TCP904	#4	7/16 - 9/16	-	3	11/64	5/16	
TCP905	#5	9/16 - 3/4	1/8 - 1/4	3-3/8	1/4	7/16	
TCP906	#6	3/4 - 1	3/8	3-3/4	3/8	5/8	
TCP907	#7	1 - 1-3/8	1/2	4-1/8	31/64	3/4	
TCP908	#8	1-3/8 - 1-3/4	3/4	4-3/8	47/64	1	
TCP909	#9	1-3/4 - 2-1/8	1	4-5/8	31/32	1-1/4	
TCP910	#10	2-1/8 - 2-1/2	1-1/4	5	1-7/32	1-17/32	
TCP911	#11	2-1/2 - 3	1-1/2	5-5/8	1-15/32	1-27/32	
TCP912	#12	3 - 3-1/2	2	6-1/4	1-27/32	2-9/32	

1815 & 1816 SERIES

Model No.	Extractor Size	For Screw/ Bolt Sizes"	For Pipe Sizes"	Price /Each
TCP913	#1 to #5	3/16 - 3/4	1/8 - 1/4	
TCP914	#1 to #6	3/16 - 1	1/8 - 3/8	

COMBINED DRILLS & COUNTERSINKS 60°

76HA SERIES

- Bright finish improves chip flow in soft or non-ferrous materials
- 60° countersink
- Material: High Speed Steel
- Manufacturing Standards: ANSI
- Cutting Direction: Right Hand



PRECISION

Model No.	No. Size	Size"	Decimal Size"	Body Diameter"	Overall Length"	Price /Each
TCQ551	#000	0.02	0.02	1/8	1-1/4	
TCQ552	#00	0.025	0.025	1/8	1-1/8	
TCQ553	#0	1/32	0.0312	1/8	1-1/8	
TCQ554	#1	3/64	0.0468	1/8	1-1/4	
TCQ555	#2	5/64	0.0781	3/16	1-7/8	
TCQ556	#3	7/64	0.1093	1/4	2	
TCQ557	#4	1/8	0.125	5/16	2-1/8	
TCQ558	#5	3/16	0.1875	7/16	2-3/4	
TCQ559	#6	7/32	0.2187	1/2	3	
TCQ560	#7	1/4	0.25	5/8	3-1/4	
TCQ561	#8	5/16	0.3125	3/4	3-1/2	

COMBINED DRILLS & COUNTERSINKS 82°

A217 SERIES

- Bright finish improves chip flow in soft or non-ferrous materials
- 82° countersink
- Material: High Speed Steel
- Manufacturing Standards: ANSI
- Cutting Direction: Right Hand



DORMER

Model No.	No. Size	Size"	Decimal Size"	Body Diameter"	Overall Length"	Price /Each
TCQ617	#1	3/64	0.0469	1/8	1 -1/4	
TCQ618	#2	5/64	0.0781	3/16	1-7/8	
TCQ619	#3	7/64	0.1094	1/4	2	
TCQ620	#4	1/8	0.125	5/16	2-1/8	
TCQ621	#5	3/16	0.1875	7/16	2-3/4	
TCQ622	#6	7/32	0.2188	1/2	3	
TCQ623	#7	1/4	0.25	5/8	3-1/4	
TCQ624	#8	5/16	0.3125	3/4	3-1/2	

COMBINED DRILL & COUNTERSINK 60°

A225 SERIES

- Bright finish improves chip flow in soft or non-ferrous materials
- 60° countersink
- Material: High Speed Steel
- Manufacturing Standards: BS 328
- Cutting Direction: Right Hand



DORMER

Model No.	No. Size	Size"	Decimal Size"	Body Diameter"	Overall Length"	Price /Each
TCQ626	BS1	3/64	0.0469	1/8	1-1/2	
TCQ627	BS2	1/16	0.0625	3/16	1-3/4	
TCQ628	BS3	3/32	0.0938	1/4	2	
TCQ629	BS4	1/8	0.125	5/16	2-1/4	
TCQ630	BS5	3/16	0.1875	7/16	2-1/2	
TCQ631	BS5A	7/32	0.2188	1/2	2-3/4	
TCQ632	BS6	1/4	0.25	5/8	3	
TCQ633	BS7	5/16	0.3125	3/4	3-1/2	

COMBINED DRILL & COUNTERSINK SETS

A217SET SERIES

- Bright finish improves chip flow in soft or non-ferrous materials
- 82° countersink
- 5-Piece set
- Material: High Speed Steel
- Manufacturing Standards: ANSI
- Cutting Direction: Right Hand



DORMER

Model No.	Wire Gauge	Size"	Price /Each
TCQ625	#1 to #5	3/64 to 3/16	

GET CLEAN

Industrial handsoap with scrubbing particles for stubborn grease and grime

TRY SOME TODAY!

Model JG223
See page 331

Produits D'Entretien RMP Maintenance Products

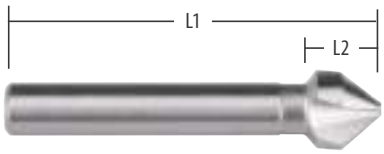




3-FLUTE STRAIGHT SHANK COUNTERSINKS

G154 SERIES

- Bright finish improves chip flow in soft ferrous or non-ferrous materials
- Material: High Speed Steel
- Countersink Angle: 82°
- Number Of Flutes: 3
- Manufacturing Standards: DIN 335C
- Cutting Direction: Right Hand



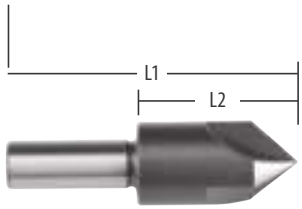
DORMER

Model No.	Head Dia. mm	L2 mm	L1 mm	Shank Dia. mm	Min. Head Dia. mm	Price /Each
TCP951	6.3	5.5	45	5	1.5	
TCP952	8.3	6.5	50	6	2	
TCP954	12.4	8.5	56	8	2.8	
TCP955	16.5	10.5	60	10	3.2	
TCP956	20.5	13	63	10	3.5	
TCP957	25	15.5	67	10	3.8	

3-FLUTE STRAIGHT SHANK COUNTERSINKS

4608 SERIES

- Widely used to countersink screw and rivet heads and to countersink holes for lathe centers
- The odd number of flutes eliminates chatter in most applications while providing better accuracy than a single-flute countersink
- Material: High Speed Steel
- Manufacturing Standards: ANSI
- Finish: Bright
- Cutting Direction: Right Hand
- No. of Flutes: 3



UNION BUTTERFIELD®

Model No.	Head Dia."	Countersink Angle	L2"	L1"	Price /Each
TCP927	1/4	60°	3/4	1-1/2	
TCP932	1/4	82°	3/4	1-1/2	
TCP937	1/4	90°	3/4	1-1/2	
TCP942	1/4	100°	3/4	1-1/2	
TCP928	3/8	60°	7/8	1-3/4	
TCP933	3/8	82°	7/8	1-3/4	
TCP938	3/8	90°	7/8	1-3/4	
TCP943	3/8	100°	7/8	1-3/4	
TCP929	1/2	60°	1	2	
TCP934	1/2	82°	1	2	
TCP939	1/2	90°	1	2	
TCP944	1/2	100°	1	2	
TCP930	5/8	60°	1	2-1/4	
TCP935	5/8	82°	1	2-1/4	
TCP940	5/8	90°	1	2-1/4	
TCP945	5/8	100°	1	2-1/4	
TCP931	3/4	60°	1-1/4	2-5/8	
TCP936	3/4	82°	1-1/4	2-5/8	
TCP941	3/4	90°	1-1/4	2-5/8	
TCP946	3/4	100°	1-1/4	2-5/8	
TCP947	1	60°	1	3	
TCP948	1	82°	1	3	
TCP949	1	90°	1	3	
TCP950	1	100°	1	3	



PARTS CLEANER

DIP TANKS

- Manually operated covers which stay open for convenient access
- Cover is equipped with a self-closing mechanism and fusible link which melts at 165°F to snap the cover shut in case of fire
- Constructed of 24-gauge coated steel, durable powder coat paint finish for long use
- Available with polyethylene liner for outstanding chemical resistance to harsh, corrosive chemicals


SD562

JUSTRITE®

Model No.	Description	Outside Dim. Dia."	x	H"	Approved Regulation	Wt. lbs/kg	Price /Each
SD561	1-gallon steel dip tank	9 3/8	x	5 1/2	FM,UL	5/2.3	
SD562	2-gallon steel dip tank	9 3/8	x	10	FM,UL	6/2.7	
SD563	3.5-gallon steel dip tank	11 3/8	x	11 1/4	FM,UL	8/3.6	
SD564	5-gallon steel dip tank	13 3/4	x	13	FM,UL	10/4.5	
WN969	5-gallon steel dip tank w/HDPE liner	13 3/4	x	13	-	12/5.5	
WN970	8-gallon steel dip tank	15 5/8	x	14 1/4	FM,UL	13/5.9	

BENCH CANS

- Spring-loaded, perforated plated steel dasher plate
- Simply press down and agitate, then release to return to drain position
- Effective flame arrester
- Hinged cover minimizes evaporation losses
- Protected rim reduces the possibility of hand injury
- 24-gauge premium coated steel
- Powder coat paint finish adds durability


AB491

JUSTRITE®

Model No.	Description	Dasher Dia."	Outside Dim. Dia."	x	H"	Approved Regulation	Wt. lbs/kg	Price /Each
WN978	1-quart steel bench can	4 1/2	4 7/8	x	5 1/2	FM	2/0.9	
AB491	2-quart steel bench can	7 1/2	9 3/8	x	3 1/4	FM	4/1.8	
AB492	1-gallon steel bench can	7 1/2	9 3/8	x	4 1/2	FM	5/2.3	
WN979	1-gallon steel bench can w/parts basket	7 1/2	9 3/8	x	4 1/2	FM	5/2.3	
AB493	2-gallon steel bench can	9 3/4	11 1/2	x	5 3/8	FM	8/3.6	
AB494	3-gallon steel bench can	12 1/8	13 1/2	x	6	FM	10/4.5	
WN980	Optional 24-gauge parts basket	-	6 7/16	x	7/16	-	1/0.5	

WASH TANKS

- Cover opens wide for access
- Integral parts basket facilitates washing quantities of small parts quickly
- Can and basket are made of sturdy 24-gauge coated steel
- After cleaning, the basket is positioned at the top of the tank to allow solvent to drain
- Cover is equipped with a self-closing mechanism and fusible link which melts at 165°F and snaps the cover shut in case of fire
- Available with polyethylene liner for outstanding chemical resistance to harsh, corrosive chemicals


SM432

JUSTRITE®

Model No.	Description	Outside Dim. Dia."	x	H"	Approved Regulation	Wt. lbs/kg	Price /Each
WN971	1-gallon steel wash tank w/basket	9 3/8	x	10	FM, TUV	7/3.2	
WN972	2-gallon steel wash tank w/basket	11 3/8	x	11 1/4	FM, TUV	10/4.5	
WN973	3.5-gallon steel wash tank w/basket	13 3/4	x	13	FM, TUV	12/5.5	
WN974	3.5-gallon steel wash tank w/HDPE liner and basket	13 3/4	x	13	FM, TUV	13/5.9	
SM432	6-gallon steel wash tank w/basket	15 5/8	x	14 1/4	FM, TUV	15/6.8	

RINSE TANKS

- Large parts (up to 16" x 35") can be totally immersed
- Heavy-duty, 18-gauge coated steel construction
- Tough powder coat paint finish for superior durability and chemical resistance

FLOOR STANDING RINSE TANKS

- Supported on a sturdy stand, 33" height for convenient access whether standing or seated
- Self-closing cover is foot-treadle operated so it can be opened by a worker with both hands full
- Adjustable-rate pneumatic cylinder prevents cover from slamming shut instantly
- A 3/4" drain plug for easy solvent replacement

Clean larger parts with ease!

BENCH TOP RINSE TANKS

- Sit conveniently on work bench or counter for easy access
- Lift-and-latch style cover has fusible link that melts at 165°F and closes the cover in case of fire
- A 3/4" drain plug allows for easy solvent replacement

SEDIMENT SCREENS

- 26-gauge premium coated steel
- Rests at bottom of tank to catch grime as it settles and allows for easy cleaning during solvent change

PARTS BASKETS

- 26-gauge premium coated steel
- Carries numerous smaller parts to be washed in a single action

TANKS

JUSTRITE®

Model No.	Description	Dimensions L"	x	W"	x	D"	Approved Regulation	Wt. lbs/kg	Price /Each
FLOOR STANDING & BENCH TOP RINSE TANKS									
SM434	11-gallon steel floor standing rinse tank	24	x	16	x	8 3/4	FM	27/12.3	
SM431	11-gallon steel bench top rinse tank	24	x	16	x	8 3/4	FM	13/5.9	
SM433	22-gallon steel floor standing rinse tank	35 1/4	x	16	x	12	FM	36/16.4	
WN975	22-gallon steel bench top rinse tank	35 1/4	x	16	x	12	FM	22/10	
TWIN CHAMBER RINSE TANKS									
WN976	2 x 4-gallon steel floor standing rinse tank	24	x	16	x	8 3/4	FM	62/28	
WN977	2 x 9-gallon steel floor standing rinse tank	35 1/4	x	16	x	12	FM	80/36	

SM433



SEDIMENT SCREENS & PART BASKETS

Model No.	Description	Dimensions L"	x	W"	x	D"	Wt. lbs/kg	Price /Each
SM437	Sediment screen for tank models SM434 and SM431	23	x	13 3/4	x	3/4	1/.5	
SM436	Sediment screen for rinse tank models SM433 and WN975	35	x	13 3/4	x	3/4	1/.5	
SM430	Parts basket for rinse tank models SM434 and SM431	16	x	13	x	4	4/1.8	
SM428	Parts basket for rinse tank models SM433 and WN975	28	x	13	x	4	6/2.7	

PARTS CLEANER

STEEL FUNNELS WITH EXTENSION

- Galvanized steel funnel comes with a flexible extension
- 1/2" diameter hose for 1-pint model, 3/4" diameter for larger sizes

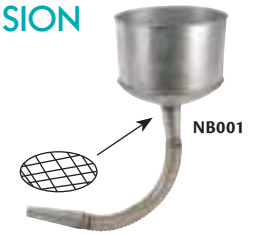
Model No.	Cap.	Top Dia."	Hose Spout Length"	Spout Dia."	Price /Each
NB027	1 pint	4 3/4	9	3/8	
NB028	1 quart	5 7/8	8	1/2	
NB025	1/2 gal.	7 5/8	8 1/2	1/2	
NB026	1 gal.	8 7/8	10	1/2	


NB028

STEEL FUNNELS WITH EXTENSION

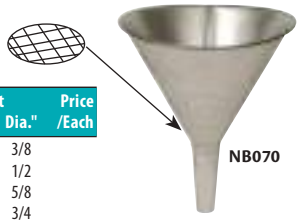
- 8 3/4" diameter galvanized steel funnel with brass screen strainer
- 16" long flexible extension
- 15/16" spout diameter
- Capacity: 2 gallons
- Suitable for use with tractors

Model No. NB001
Price/Each $


NB001

STRAINER FUNNELS

- Tin strainer funnels have a built-in screen that prevents the flow of harmful particles into the liquid


NB070

Model No.	Cap.	Top Dia."	Body Ht."	Spout Ht."	Spout Dia."	Price /Each
NB069	1 pint	4 3/4	3 7/16	2 1/16	3/8	
NB070	1 quart	5 3/4	4 5/16	2 3/8	1/2	
NB067	1/2 gal.	7 1/2	5 5/8	2 11/16	5/8	
NB068	1 gal.	8 3/4	6 1/2	3 1/2	3/4	

UTILITY FUNNELS

- Lightweight tin and galvanized steel funnels available in capacities from 1 pint to 1 gallon


NB078

Cap.	Top Dia."	Body Ht."	Spout Ht."	Spout Dia."	Tin Model No.	Price /Each	Galv. Model No.	Price /Each
1 pint	4 3/4	3 7/16	2 1/16	3/8	NB077		NB031	
1 quart	5 3/4	4 5/16	2 3/8	1/2	NB078		NB032	
1/2 gal.	7 1/2	5 5/8	2 11/16	5/8	NB075		NB029	
1 gal.	8 3/4	6 1/2	3 1/2	3/4	NB076		NB030	

STEEL FUNNELS

- Suitable for use with tractors
- Galvanized steel funnel has 8 3/4" diameter and comes with a brass screen strainer
- Body height: 7 1/2"
- Spout height: 4 13/16"
- Spout diameter: 15/16"
- Capacity: 2 gallons

Model No. NA999
Price/Each $


NA999

LIQUID MEASURES

A. FLEXIBLE SPOUT

- Spill proof top
- Flexible spout makes it easy to reach difficult areas and hard to reach pouring angles
- Flexible spout length: 8"
- Spout diameter: 1/2"
- Available in tin, galvanized steel or stainless steel


NB082

A.

B. OPEN TOP

- Available in tin, galvanized steel or stainless steel


NB087

B.

Cap.	Tin Model No.	Dia." x H"	Price /Each	Galvanized Model No.	Dia." x H"	Price /Each	Stainless Model No.	Dia." x H"	Price /Each
A. FLEXIBLE SPOUT									
1 quart	NB082	4 1/4 x 4 3/4		NB035	4 x 5 7/16		NB056	4 x 5 7/16	
1/2 gallon	NB079	4 1/4 x 8 7/8		NB033	5 x 7 1/4		NB052	4 x 7 1/4	
1 gallon	NB081	6 x 9 3/4		NB034	6 x 9 3/4		NB054	6 x 9 3/4	
B. OPEN TOP									
1 quart	NB087	4 1/4 x 4 3/4		NB038	4 x 5 7/16		NB061	4 x 5 7/16	
1/2 gallon	NB083	4 1/4 x 8 7/8		NB036	5 x 7 1/4		NB057	4 x 7 1/4	
1 gallon	NB085	6 x 9 3/4		NB037	6 x 9 3/4		NB059	6 x 9 3/4	

Call our order desk for a quote when funnels & measures are to be used in food industry.

NON-TILT STEEL FUNNELS

- Suitable for use with tractors
- Non-tilt feature allows funnel to remain upright when in use
- Galvanized steel funnel has 8 3/4" diameter, comes with brass screen strainer
- 15/16" spout diameter
- Capacity: 2 gallons

Model No. NB004
Price/Each $


NB004

RECIRCULATING PARTS WASHERS

- Safety lever has fusable link which shuts cover in case of fire
- Thermally protected 110 V motor and on/off switch
- Durable pump included
- 3-way filtration traps grime
- Flush hose delivers flow of solvent to rinse parts clean, quickly and easily


BV742

5 GALLONS

Capacity: 3.5 gallons
Motor: 0.25 A
Voltage: 110 V, 1 phase, 60 Hz
Dimensions: 18 1/4" x 13 1/2" x 9"
Height of stand: N/A
Weight: 15 lbs.
Model No. BV742*
Price/Each $


BV743

20 GALLONS

Capacity: 12 gallons
Motor: 0.25 A
Voltage: 110 V, 1 phase, 60 Hz
Dimensions: 30 1/2" x 21 1/4" x 10"
Height of stand: 24 1/2"
Weight: 55 lbs.
Model No. BV743*
Price/Each $


BV744

40 GALLONS

Capacity: 30 gallons
Motor: 0.25 A
Voltage: 110 V, 1 phase, 60 Hz
Dimensions: 44 1/2" x 21 1/4" x 10 1/2"
Height of stand: 24 1/2"
Weight: 92 lbs.
Model No. BV744*
Price/Each $

***A material safety data sheet is required for purchase**

PARTS CLEANING BRUSHES

Recommended for cleaning motors, machinery and metal parts.

OSBORN
JACKSONLEA


BZ987


TEX274

Model No.	Brush Dia."	Overall Length"	Trim Length"	Qty /Pkg.	Price /Each
BZ987	1 1/8	11	2 3/4	12	
TEX274	1 7/8	37 3/8	3 1/2	1	
		Brush Only: 10"			

POLYETHYLENE FILTER FUNNELS

- Made of chemical resistant polyethylene
- Screen filter included



NC991

Model No.	Dia."	Price/Each
YC564	5	
NC991	9	

CLEANFUNNEL™ SYSTEM

- Prevents dirt, dust and other contaminants from collecting on the inside funnel wall and eliminates the need for cleaning before use



AA763

Model No.	Colour	Size	Length"	Spout"	Price /Each
AA763	Orange	1 pt.	13.5	0.5	
AA765	Dark Blue	1.25 qt.	10.5	0.75	
AA766	Dark Green	1.25 qt.	8.5	1	
AA767	Black	1.3 qt.	10.5	1.5	
AA768	Bright Red	1.5 qt	17 - flexible	0.5	
AA769	Yellow	1.5 qt.	14.25 - flexible	0.75	
AA770	Green	1.5 qt.	12.25 - flexible	1	
AA771	Red	1.6 qt.	14 - flexible	1.5	

FUNNELS

- Translucent high density polyethylene construction
- Wire mesh screen keeps contaminants out
- Comes complete with a polyethylene flexible spout for difficult to reach areas
- Curved funnel ends make the funnel splash and spill proof



TYB517

auroratools®

Model No.	Diameter"	Capacity	Price /Each
TYB517	8	1.7 litres	
TYB518	9 1/2	3 litres	

DIECAST ALUMINUM SCOOPS

- Bowl and handle cast in one piece for extra heavy-duty use
- Ideal for powders and granulated products



NG648

BASCO

Model No.	Capacity	Bowl Length"	O.A. Length"	Price /Each
NG648	3/4 quart	7 3/4	11 1/4	
NG649	1 quart	9	13	
NG650	1 1/2 quart	10 1/2	15	

LIQUID MEASURES

- Translucent high density polyethylene construction
- Comes complete with a polyethylene flexible spout for difficult to reach areas
- Cap on flexible spout and polypropylene lid renders measure spill proof
- Spout length: 7 1/2"
- Spout diameter: 3/4"



TYB514

auroratools®

Model No.	Capacity	Price /Each
TYB513	1 quart	
TYB514	2 quart	
TYB515	3 quart	
TYB516	5 quart	

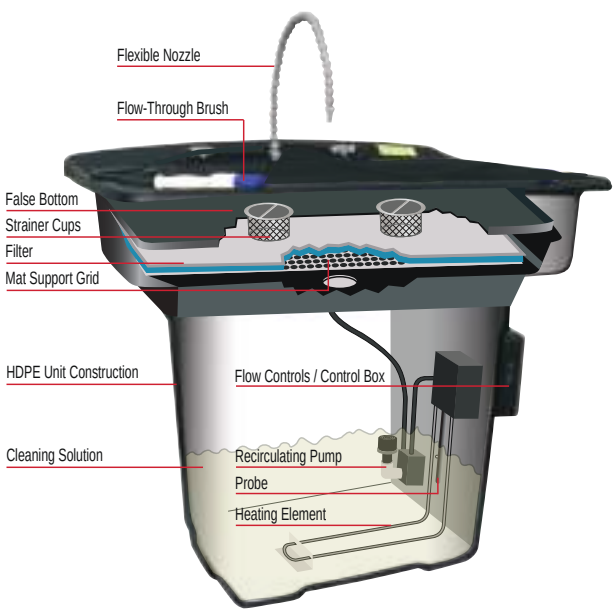
SMARTWASHER®

SMARTWASHER uses the process of **bioremediation** - the accelerated break down of organic compounds such as grease, grime, varnish, oil, carbon and other heavy industrial soils through the use of nonpathogenic microbes. The microbes, suspended in a fluid that re-circulates through the unit, literally **eat their way through soils**, converting them into harmless water and carbon dioxide (CO_2). The solution remains clean and usable, unlike traditional solvent-based systems where the solution becomes dirty and less effective over time. Disposal becomes a non-issue, as hazardous waste streams are eliminated.

JUST SAY NO!

- NO VOC Concerns
- No Toxic Solvents
- No Flash Point Fluid
- No Service Contracts
- No Hazardous Waste Hauling
- No Health and Safety Hazards

CRC®



SMARTWASHER® SYSTEMS

The SMARTWASHER System consists of a sturdy, impact resistant, self-contained washing unit with a flexible nozzle and brush that directs warmed cleaning fluid for parts washing. The fluid works in conjunction with a special microbe impregnated filter to effectively clean the dirtiest parts.

SMARTWASHER UNITS FEATURE:

- Flexible nozzle and brush
- Recirculating pump
- Low fluid indicator light/low fluid automatic shut-off
- Impact resistant construction
- Thermostat
- Energy efficient heater

SMARTWASHER® SW-428 KIT

- Overall Dimensions: 38" W x 42" D x 47" H
- Includes: 1 SW28 SmartWasher® Unit, 5 5-Gallon jugs of SW4 cleaning fluid, and 1 regular grade FL4 Ozzymat™ filter

Model No. AF356
Mfg. No. 14757
Price/Each $



SMARTWASHER® SW-423 KIT

- Overall Dimensions: 48" W x 42" D x 50" H
- Includes: 1 SW23 SmartWasher® unit, 3 5-gallon jugs of SW4 cleaning fluid, and 1 regular grade FL4 Ozzymat® filter

Model No. AF290
Mfg. No. 14740
Price/Each $



SMARTWASHER® SW-437 KIT

- Overall Dimensions: 48" W x 42" D x 55" H
- Includes: 1 SW37 SmartWasher® unit, 5 5-gallon jugs of SW4 cleaning fluid, and 1 regular grade FL4 Ozzymat® filter

Model No. AF288
Mfg. No. 14741
Price/Each $



SMARTWASHER® CLEANING SOLUTIONS

Aqueous, pH neutral, non-corrosive, non-flammable, biodegradable and contains no VOCs. Solutions work in conjuction with filters when warmed to 105°F by the units. All cleaning solutions are certified as Clean Air Solvents by the South Coast Air Quality Management District (SCAQMD).

- **Industrial Grade Cleaning Solutions:** Removes the toughest industrial soils with minimal odour; US EPA Design for Environment (DfE recognized)
- **Automotive & Ink Grade Cleaning Solution:** Removes printers ink and automotive carbon and varnishes
- **Specialty Metals Cleaning Solution:** Maximum strength, low odour formula removes soils from both ferrous and non-ferrous metals; perfect for use on all aircraft metals



Model No.	Mfg. No.	Description	Container Size	Units /Case	NSF	Price /Each
AF129	14148	Industrial Grade Cleaning Solution	5-Gal. Jug	1	A1	
AF130	14156	Automotive & Ink Grade Cleaning Solution	5-Gal. Jug	1	A1	
AF131	14158	Specialty Metals Cleaning Solution	5-Gal. Jug	1	A1	

OZZYMAT™ MULTI-LAYER FILTER

- Three filters in one for heavy use applications
- For use with Smarts Washer Parts Cleaning System

Model No. AF286
Mfg. No. 14124
Price/Each $

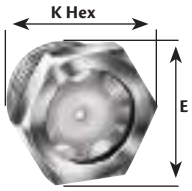


Types of Soil	AF129 Industrial Grade	AF130 Automotive & Ink Grade	AF131 Specialty Metals
Motor Oil	Excellent	Excellent	Excellent
Bearing Grease	Excellent	Fair	Excellent
Automotive Grease	Excellent	Good	Excellent
Impacted Grease	Excellent	Fair	Excellent
Asphalt	Good	Fair	Good
Creosote	Excellent	Fair	Excellent
Resin Products	Excellent	Good	Excellent
Hydraulic/Transmission Fluid	Excellent	Excellent	Excellent
Fifth Wheel Grease	Excellent	Fair	Excellent
Crude Oil	Excellent	Excellent	Excellent
Solder & Flux	Excellent	Excellent	Excellent
Automotive Varnish	Good	Excellent	Good
Burned-On Carbon	Excellent	Excellent	Good
Cutting Oils	Good	Excellent	Good
Ink/Toner	Good	Excellent	Good
Animal Fat	Excellent	Fair	Excellent

FUSED WINDOW SIGHTS

- **Pressure**: 125 PSI maximum
- **Temperature**: 250°F maximum
- **Body**: Steel, plated
- **Reflector**: Stainless steel
- **Sight**: Glass

Plated body is made of sturdy hexagon steel and features various NPT sizes which can be mounted in any ordinary pipe thread. Stainless steel reflector enhances visibility of liquid level. These special reflectors will not tarnish, corrode or discolour under most adverse conditions.



Oil-Rite CORPORATION

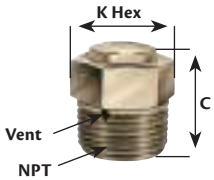
NPT	E"	K"	w/o Reflector Model No.	Price /Each	w/Reflector Model No.	Price /Each
1/4	5/8	5/8	AB041		-	-
3/8	3/4	3/4	AB049		AB042	
1/2	25/32	15/16	AB050		AB043	
3/4	1 1/16	1 1/16	AB051		AB044	
1	1 1/16	1 3/8	AB052		AB045	
1 1/4	1 7/32	1 3/4	AB053		AB046	
1 1/2	1 7/32	2	AB054		AB047	
2	1 9/32	2 1/2	AB055		AB048	

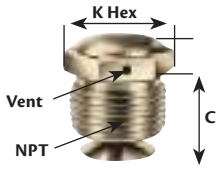
VENT PLUGS

Oil-Rite CORPORATION

Vent plugs with filters can be used to relieve pressure or vacuum. These vent plugs assure pressure equalization and minimize undesirable problems, such as excessive pressure. The vent plugs allow air to freely communicate through a 40 micron filter. Steel plated body. Maximum temperature: 225°F.

Vent plugs with deflectors can also serve as filler plugs. They are equipped with a splash deflector which prevents the liquid from spilling into the vent hole and outside. To allow air to communicate freely with the outside, no screens or filters are used which might make the units inoperative.





Model No.	NPT Size	C"	K"	Price /Each
VENT PLUGS WITH FILTERS				
AB062	1/8 Male	1	11/16	
AB063	1/4 Male	1	11/16	
AB064	3/8 Male	1 1/16	3/4	
AB065	1/2 Male	1 3/16	15/16	
AB066	3/4 Male	1 1/4	1 1/16	

Model No.	NPT Size	C"	K"	Price /Each
VENT PLUGS WITH DEFLECTORS				
AB056	1/8 Male	15/16	7/16	
AB057	1/4 Male	1	9/16	
AB058	3/8 Male	1 1/8	11/16	
AB059	1/2 Male	1 3/16	15/16	
AB060	3/4 Male	1 1/4	1 1/16	
AB061	1 Male	1 3/8	1 3/8	

ALUMINUM & ROUND NYLON LIQUID LEVEL GAUGES

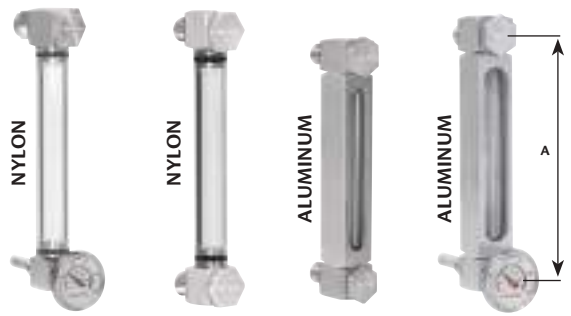
- **Pressure**: 175 PSI maximum (Alum.)
- **Temperature**: 225°F maximum (Alum.)
- **Pressure**: 125 PSI maximum @ 72°F (Round)
- **Temperature**: 205°F maximum (Round)
- **Body or end blocks**: Aluminum alloy
- **Sight**: Glass (Aluminum) - Round nylon (Trogamid)
- **Seals**: Buna-N
- **Mounting kits**: Studs - aluminum, plated steel

These gauges are used to view oil levels in hydraulic reservoirs, gearboxes, bearing housings, crank cases, transformers and machinery oil reservoirs. The universal design accommodates both front and back mounting. Models with a thermometer will also show the temperature of the liquid. Aluminum components resist rust and corrosion.

Oil-Rite CORPORATION

Alum. Model No.	Price /Each	Alum. Model No.	Price /Each	Round Model No.	Price /Each	Round Model No.	Price /Each	A"
AD856		AD862*		AD868		AD874*		5
AD857		AD863*		AD869		AD875*		6
AD858		AD864*		AD870		AD876*		7
AD859		AD865*		AD871		AD877*		9
AD860		AD866*		AD872		AD878*		10
AD861		AD867*		AD873		AD879*		12

Centreline distance 3"-36" between centre of studs are also available.
* With thermometer



Thermometer AD874 | Standard AD868 | Standard AD856 | Thermometer AD862

BRASS LIQUID LEVEL GAUGES

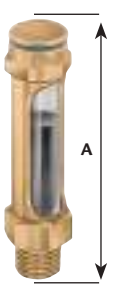
Oil-Rite CORPORATION

- **Pressure**: Atmospheric pressure, cap is vented
- **Temperature**: 225°F max
- **Body**: Brass
- **Sight**: Glass
- **Seal**: Buna-N
- **Washer**: Teflon
- **Cap**: Brass
- **Union Coupling**: Steel, plated

Brass gauges are used to indicate level of lubricating liquid supply at bearings, gear boxes, crank cases, transformers, switches etc. These gages are easily installed in any location having enough clearance for a one-piece oil gage.

STRAIGHT

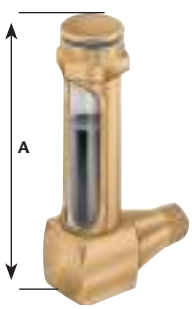
Model No.	Glass Dia."	NPT Size	A"	Price /Each
AD844	1/2	1/4	2 7/16	
AD845	1/2	1/4	2 15/16	
AD846	1/2	1/8	3 3/8	
AD847	1/2	1/4	3 7/16	
AB077	1/2	3/8	4	
AD682	1/2	1/4	4 7/16	
AD685	1/2	1/4	4 15/16	
AD686	1/2	3/8	5	
AD688	1/2	1/4	5 7/16	
AD691	1/2	1/4	5 15/16	
AD692	1/2	3/8	6	
AB085	5/8	1/2	7 1/4	
AB086	5/8	1/2	9 1/4	
AB082	5/8	1/2	11 1/4	
AD721	5/8	3/8	14 1/8	
AB083	5/8	1/2	14 1/4	



Straight

SHORT ELBOW

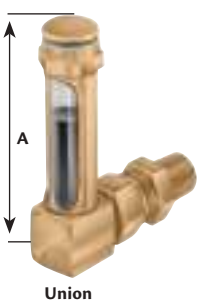
Model No.	Glass Dia."	NPT Size	A"	Price /Each
AD841	1/2	1/8	1 15/16	
AD842	1/2	1/4	1 15/16	
AD843	1/2	3/8	1 15/16	
AD587	1/2	1/4	3 7/16	
AD589	1/2	1/4	3 15/16	
AD591	1/2	1/8	4 7/16	
AD592	1/2	1/4	4 7/16	
AD593	1/2	3/8	4 7/16	
AD596	1/2	3/8	4 15/62	
AB074	1/2	1/4	5 7/16	
AD628	5/8	1/4	5 1/2	
AD630	5/8	1/2	5 1/2	



Short

UNION COUPLING

Model No.	Glass Dia."	NPT Size	A"	Price /Each
AD852	1/2	1/4	2 7/16	
AD853	1/2	1/4	2 15/16	
AD659	1/2	1/4	3 7/16	
AB091	1/2	3/8	3 7/16	
AD662	1/2	3/8	3 15/16	
AD665	1/2	3/8	4 7/16	
AB092	1/2	1/4	5 7/16	
AD672	1/2	1/4	6 7/16	
AB234	5/8	1/2	5 7/16	
AB235	5/8	1/2	8 11/16	

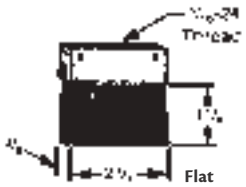


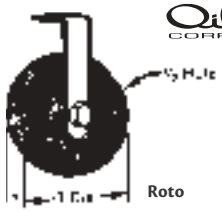
Union

FLAT, ROUND OR ROTO BRUSHES

- Bristles for oil retention and good wear
- Crimped black nylon brushes available for greater wear resistance, longer life and recommended for high speed chains
- Crimped stainless steel brushes can be used for lubricating high temperature chains (above 250°F) as well as for cleaning

Model No.	Bristle Diameter"	Bristle Length"	Material	Price /Each
ROUND BRUSH				
AB034	1/2	3/4	Nylon	
AB035	1/4	3/4	Stainless Steel	
AB251	5/8	1 1/8	Nylon	
AB252	5/8	1 1/8	Stainless Steel	
AB253	1	1 3/4	Nylon	
AB254	1	1 3/4	Stainless Steel	
AB249	1 1/2	1 3/4	Nylon	
AB250	1 1/2	1 3/4	Stainless Steel	





Size"	Material	w/Holder Model No.	Price /Each	Without Holder Model No.	Price /Each
FLAT BRUSH					
2 1/4 x 3/8	Nylon	**AB036**		**AD880**	
2 1/4 x 3/8	Stainless Steel	**AB037**		**AD881**	
ROTO BRUSH					
3 x 1	Nylon	**AB039**		**AD839**	
3 x 1	Stainless Steel	**AB040**		**AD840**	

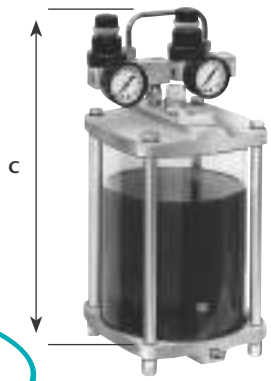
AIR OPERATED SPRAY DISPENSERS

- **Pressure**: 30 PSI maximum
- **Temperature**: 160°F maximum
- **Air capacity**: 5 CFM @ 20 PSI
- **Liquid capacity**: 3 GPH @ 10 PSI
- **Components**: External mounted
- **Maximum spray valves**: Four
- **Reservoir**: Clear acrylic
- **Seals**: Buna-N
- **Covers**: Aluminum alloy

- Air operated spray dispensers feed liquid to elevated, distant, or inaccessible points
- The amount of liquid sprayed is infinitely adjustable from a fine spray, invisible to the eye, to a coarse spray by adjusting the air pressure of the needle valve on the spray nozzle
- Any liquid that flows can usually be sprayed, up to 1000 SSU viscosity at 100°F
- For best performance, a second regulator with suitable air capacity is supplied to adjust the air pressure to spray valves
- Operation can be made automatic with two solenoid valves which can be activated by a motor drive or with a timer, allowing the valves to continually or momentarily apply a film of liquid

Model No.	Capacity	C"	Price/Each
AD848*	1 qt.	8 3/4	
AD849	1/2 gal.	12 1/4	
AD850	1 gal.	17 1/4	
AD851	2 gal.	30 1/4	

The system consists of a central acrylic reservoir which dispenses liquid through one or more spray nozzles.

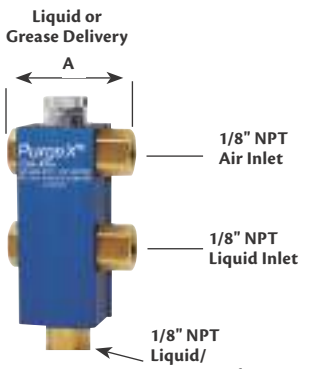


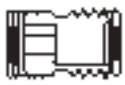
ADJUSTABLE AIR OPERATED PURGEX® PRECISION INJECTOR PUMPS

- **Pressure**: 40 to 125 PSI
- **Body**: Aluminum Alloy (other materials available)
- **Temperature range**: -15° F to 180° F
- **Seal Materials**: Buna-N and Viton® (other seals available) B 25:1
- **Liquid/Grease delivery per cycle**: 0 to 0.0012 cu. in., adjustable
- **Grease type**: Grade 00, 0, 1, 2
- **Piston dia. and stroke**: 0.125 dia. by 0.100 stroke (inches)
- **Nozzle**: 8" standard (other lenghts avalable)

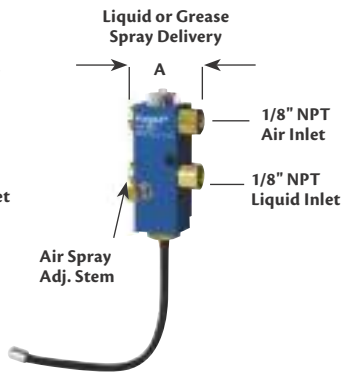
With ultra-fine adjustability, the single piece 1/8" piston allows precise metering of very small volumes of liquid or grease. The patented 1/8" version will help preserve liquid supplies, dispense high cost synthetic lubricants more efficien-tly and aid in pollution prevention. Industries such as food, medical, printing, chemical, agricultural, plastic, marine, industrial machinery, packaging and conveyors are only a few.

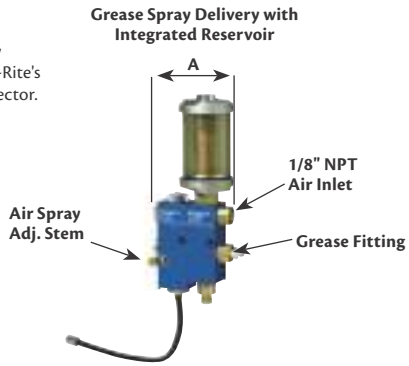
No. of Feeds	A"	Buna-N Seals Model No.	Price /Each	Viton® Seals Model No.	Price /Each
LIQUID OR GREASE DELIVERY					
1	2	**AD732**		**AD750**	
2	3 1/4	**AD733**		**AD751**	
3	4 1/2	**AD734**		**AD752**	
4	5 3/4	**AD735**		**AD753**	
5	7	**AD736**		**AD754**	
6	8 1/4	**AD737**		**AD755**	
LIQUID OR GREASE SPRAY DELIVERY					
1	1 31/32	**AD738**		**AD756**	
2	3 7/32	**AD739**		**AD757**	
3	4 15/32	**AD740**		**AD758**	
4	5 23/32	**AD741**		**AD759**	
5	6 31/32	**AD742**		**AD760**	
6	8 7/32	**AD743**		**AD761**	
GREASE SPRAY DELIVERY WITH INTEGRATED RESERVOIR					
1	3 7/32	**AD744**		**AD762**	
2	4 15/32	**AD745**		**AD763**	
3	5 23/32	**AD746**		**AD764**	
4	6 31/32	**AD747**		**AD765**	
5	8 7/32	**AD748**		**AD766**	
6	9 15/32	**AD749**		**AD767**	





Additional PurgeX® pumps can be easily connected with Oil-Rite's Threadapter® Connector.





MINI PISTOL GREASE GUNS

DELUXE

- Single-hand-operated pistol grip
- Die cast grease gun head with dual discharge ports for use with steel extension as well as flexible hose
- Develops 3500 PSI
- Capacity: 3 oz grease cartridge or bulk fill
- Textured zinc plated finish for non-slip grip
- Includes: 4" steel extension and professional 4-jaw coupler with ball check

Model No. AC477
Price/Each $

aurora tools


AC477

PISTOL GREASE GUNS

HEAVY-DUTY

- Designed for use in general confined spaces or where access to grease nipples is restricted
- Heavy-duty die cast grease gun head
- Develops 5000 PSI
- Capacity: 14 oz (400 g) grease cartridge or suction fill
- **AC475** comes complete with 5" steel extension and 4-jaw coupler with ball check
- **AC476** comes complete with 18" flexible hose and 4-jaw coupler with ball check

Model No. AC475
Price/Each $
Model No. AC476
Price/Each $

aurora tools


AC475

MINI GREASE GUNS

- Designed for use in general confined spaces, or where access to grease nipples is restricted
- Single-hand-operated push type grip
- Develops 1400 PSI
- Capacity: 3 oz. (85 g)

Model No. AD084
Price/Each $

aurora tools


AD084

AIR-OPERATED GREASE GUNS

- Ideal for use in factory maintenance
- Single shot of grease discharge with every press of the trigger
- Air operating range: 40 - 120 PSI
- Capacity: 14 oz. (400 g) grease cartridge or bulk fill
- Comes with 6" steel extension and professional 4-jaw coupler with ball check

Model No. AC478
Price/Each $

aurora tools


AC478

LEVER GREASE GUNS

STANDARD-DUTY

- Designed for use in general lubrication and daily maintenance work
- Capacity: 14 oz (400 g) grease cartridge or suction fill
- Complete with 6" steel extension and 4-jaw coupler with ball check
- Develops 6000 PSI

Model No. AC472
Price/Each $

aurora tools


AC472

HEAVY-DUTY

- Designed for punishing day-in and day-out heavy industrial application
- Built-in variable stroke feature for greasing fittings with limited access
- Die cast grease gun head fitted with bulk loader and air bleeder
- Extra heavy-duty zinc plated lever handle with ergonomic rubber grip
- Develops 10 000 PSI
- Capacity: 14 oz. (400 g) grease cartridge, filler pump or suction fill
- Includes: 6" steel extension and 4-jaw coupler with ball check

Model No. AC473
Price/Each $

aurora tools


AC473

SUCTION GUNS

- A rugged transfer gun designed for use with gear oils to get them both into and out of gear boxes, transfer cases and differentials
- Capacity: 16 oz
- Complete with 12" flexible vinyl hose

Model No. AC494
Price/Each $

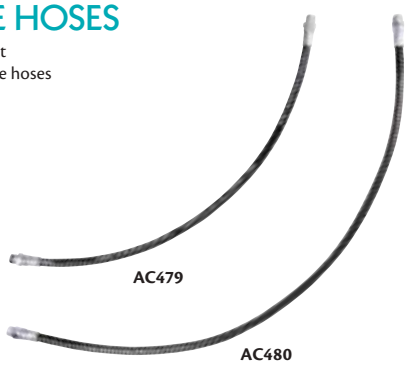
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AC494

FLEXIBLE GREASE HOSES

- Standard grease hose is the most popular version of flexible grease hoses
- **AC481** hose fitted with heavy-duty spring guard adds safety and convenience in fitment, prevents the hose from bending
- Threads: 1/8" NPT
- Working Pressure 3500 PSI
- For hand-operated grease guns only

aurora tools


AC479

AC480

Model No.	Length" (End to End)	Price /Each
AC479	12	
AC480	18	
AC481	18	

PISTOL GRIP GREASE GUNS

PROFESSIONAL-DUTY

Develops 7500 PSI. Three-way loading: cartridge, suction or loader pump. Features automatic variable stroke/pressure, air vent, vinyl grip and loader fitting. Delivery: 1 oz. per 33 strokes.

Model No. AA690
Includes: rigid extension and coupler
Price/Each $

Model No. AA691
Includes: 18"flexible hose and coupler
Price/Each $



LEVER GREASE GUNS

PROFESSIONAL-DUTY

Develops 10 000 PSI. Three-way loading: 14 oz. cartridge, suction or loader pump. Features automatic variable stroke/pressure, air vent, vinyl grip, loader fitting.

Delivery: 1 oz. per 21 strokes.

Model No. AA643
Includes: rigid extension and coupler
Price/Each $

Model No. AB827
Includes: 18" hose and coupler
Price/Each $

Model No. AB825
Includes: 24 oz. cylinder, rigid extension and coupler
Price/Each $



HEAVY-DUTY/HIGH PRESSURE

Develops 10 000 PSI. Three-way loading: cartridge, suction or loader pump. Features heavy-duty lever with adjustable linkage for high pressure or high volume operation and loader fitting. Gun outlet 1/8" NPTF.

Delivery: 1 oz. per 16 strokes in high volume mode.

Delivery: 1 oz. per 25 strokes in high pressure mode.

Model No. AB817
16-oz. gun only
Price/Each $

Model No. AA692
16-oz. gun with rigid extension and coupler
Price/Each $

Model No. AB816
24-oz. gun with rigid extension and coupler
Price/Each $



PNEUMATIC GREASE GUNS

Three way loading: cartridge, suction or loader pump. Features air vent, loader fitting, rigid extension and coupler.

Model No. AB821
Price/Each $



SUCTION GUNS

16 oz. capacity. Includes flexible vinyl hose. Suitable for all purpose draining of non-corrosive lubricants.

Model No. AB833
Price/Each $



12 V CORDLESS GREASE GUNS

Lightweight, powerful, professional quality. The most innovative grease gun ever designed, giving you faster more efficient lubrication:

- High-Pressure Delivery: up to 6500 PSI
- High Flow Rate: 5.25 oz. per minute @ 1000 PSI
- 3-Way Loading: 14-oz. cartridge, 16-oz. bulk or suction loaded
- Lightweight: 6.8 lbs.
- Comes with two batteries

Model No. AB812
Price/Each $



GREASE GUN EXTENSION HOSES

WARNING: For use with hand operated grease guns only.

- Economical and durable hose
- 12 000 PSI burst pressure
- 1/8" NPTF(M) ends



Model No.	Length"	Working Pressure	Hose Type	Price /Each
AA693	12	4800 PSI	Single Wire Braid	
AA694	18	4800 PSI	Single Wire Braid	

LUBRICATING EQUIPMENT

PROFESSIONAL COUPLERS

- Hardened spring steel jaws and hardened body withstands high pressure without deformation
- Hexagonal nut allows easy tightening
- Threads: 1/8" NPT
- 4-jaw construction, 6000 PSI
- For hand-operated grease gun only

Model No. AC482
Price/Each $



aurora tools

HEAVY-DUTY COUPLERS

- Hardened spring steel jaws & hardened body with double wall thickness withstands very high pressure without deformation
- Hexagonal nut allows easy tightening
- Threads: 1/8" NPT
- 4-jaw construction, 10 000 PSI
- For hand and air operated equipment

Model No. AC483
Price/Each $



aurora tools

HYDRAULIC COUPLERS - 360° SWIVEL

- Excellent coupler for effective lubrication of difficult and hard to reach grease fittings
- Swivels in full 360° circle and locks conveniently at any 45° position
- Spring loaded ball-check valve helps retain pressure
- Threads: 1/8" NPT
- 3-jaw construction, 7000 PSI

Model No. AC484
Price/Each $



aurora tools

HYDRAULIC COUPLERS - RIGHT ANGLED

- Fits all standard grease gun
- Designed for right angled discharge of grease, very useful for greasing fittings with limited access or in low heights
- Threads: 1/8" NPT
- 10 000 PSI

Model No. AC485
Price/Each $



aurora tools

SEAL-OFF DISPENSERS

- Used with grease gun extension or hose for lubricating grease plugs
- Threads: 1/8" NPT

Model No. AC491
Price/Each $

aurora tools



STEEL BEARING PACKERS

- For use with grease guns
- The design incorporates a grease nipple at one end which easily adapts to the grease gun coupler
- Grease bearings in cars boats, RV, etc. with a minimum inner diameter of 1/2" to a maximum outer dia of 5" and height from 1/4" to 2"

Model No. AC493
Price/Each $

aurora tools



GREASE GUN HOLDERS

- Simple snap action clamp for safe storage of grease guns and suction guns

Model No. AC486
Price/Each $

aurora tools



GREASE INJECTOR NEEDLES

- Lubricates in very tight spaces such as universal joints and sealed bearings
- Equipped with standard grease fitting without ball check and protective plastic holder
- 18-gauge needle thickness
- 1 1/2" long

Model No. AC487
Price/Each $

aurora tools



NEEDLE NOSE DISPENSERS

aurora tools

- Used for dispensing a fine line of grease
- Can be attached directly to steel extensions or flexible hoses
- Threads: 1/8" NPT
- **AC490** has a narrow needle with a diameter of (0.156") 3.96 mm
- **AC489** has a 0.219" (5.56 mm) needle diameter

Model No.	Needle Length mm	Price /Each
AC489	15	
AC490	38	



NEEDLE NOSE ADAPTORS

- Used for dispensing a fine line of grease through the needle nose
- Tip diameter: 0.046" (1.168 mm)
- Needle length: 4"
- Quick connect action

Model No. AC488
Price/Each $

aurora tools



EZEE-LUBE KITS

- The Ezee-Lube kit comprises of a range of quick-connect fittings designed to meet any and every greasing application lube accessories

Model No. AC492
Price/Each $

aurora tools



OIL CANS

- Oil can body is seamless drawn from heavy-gauge tin coated sheet
- Premium powder coated finish

Model No.	Capacity oz.	Spout Length"	Spout Type	Pump	Price /Each
LEVER TYPE					
AC514	6	6	Flexible	Steel	
AC515	10	6	Flexible	Steel	
AC589	13	7	Flexible	Steel	
AC516	16	7	Flexible	Steel	
AC592	16	9	Flexible	Steel	
AC593	16	9	Rigid	Steel	
AC590	23	8	Flexible	Steel	
AC594	33	9	Flexible	Steel	
AC595	33	9	Rigid	Steel	
PISTOL TYPE					
AC588	4	5	Flexible	Steel	
AC513	6	5	Flexible	Steel	
AC597	6	6	Flexible	Steel	
AC596	6	6	Rigid	Steel	
AC599	16	6	Flexible	Steel	
AC598	16	6	Rigid	Steel	
AC600	33	6	Rigid	Steel	

auroratools®



HYDRAULIC GREASE COUPLERS

Provides quick, positive and leakproof connection with hydraulic fittings.

AA862



ALEMITE

Model No.	Type	Thread	Max. Pressure PSI	Price /Each
QG997	Standard	1/8" NPTF(F)	10 000	
AB742*	Standard	1/8" NPTF(F)	10 000	
QF621	Narrow	1/8" NPTF(F)	10 000	
AA862*	Narrow	1/8" NPTF(F)	10 000	

*Equipped with built-in check valve

MANUAL LUBRICATION PUMPS

VOLUME DELIVERY BUCKET PUMPS

For all oils and pressure gun lubricants. Delivery 1/3 oz. per stroke. Will develop up to 500 PSI. Equipped with 25-lb capacity (5 gallons) container. Adjustable leverage adapts pump to lubricant and operating conditions.
Pump outlet: 3/8" NPTF(F).

Model No. AA699
Price/Each $



MULTI-PRESSURE BUCKET PUMPS

Variable pressure 2500 to 5000 PSI for 35-lb capacity (5 gallons). Adjustable leverage (three positions) adapts pump to all lubricant and operating conditions. Approximate delivery 1/3 oz. per stroke. Suitable for oil or grease. Hose length: 5'.

Coupler type: hydraulic (narrow).

Includes hose assembly (Mfg. No. 322434)

Model No. AA698
Price/Each $



PORTA-CARTS

- Used with **AA699** and **AA698** series pumps
- Speeds lubrication service where machines are widely separated
- Reduces operator fatigue
- Overall width: 18"

Model No. AA702
Price/Each $

VOLUME DELIVERY LOADER PUMPS

- For grease guns with Alemite loader fitting
- Delivery: 1 lbs. per 6 strokes
- Includes loader extension and loader fitting
- For 35-lb pail
- Equipped with cover and flexible follower

Model No. AB814
Price/Each $



DUAL LEVERAGE DISPENSERS

- For fluid gear lubricants
- Attach directly onto original containers
- Delivery: 1 pint per 6 strokes
- Pump outlet: 1/2" NPTF(F).
- For 5-gallon pail
- Includes: 5 1/2' hose with curved nozzle and pail cover

Model No. AB815
Price/Each $



ALEMITE™

LUBRICATING EQUIPMENT

GREASE FILLER PUMPS

- An ideal grease filling solution to easily load bulk or combination grease guns from bulk grease pails
- Full economy in buying bulk grease
- Pail capacity: 5 gallons
- Rubber lining follower plate for use with most bucket types

Model No. AD383
Price/Each $



BUCKET GREASERS

- High volume, high pressure grease pump
- Uses low cost bulk grease
- Delivers 3 g/stroke or 1 oz. in less than 10 strokes at pressures up to 2000 PSI
- Comes complete with 22-lb built-in steel grease bucket

Model No. AC495
Price/Each $



AIR-OPERATED GREASE PUMPS

- Ideal for applications having continuous need for high pressure grease
- 50:1 ratio pump
- Recommended air pressure between 60 and 125 PSI
- Air inlet: 1/4" NPT (female)
- Grease outlet: 1/4" NPT (female)
- Fits 5-gallon and 16-gallon pails
- Comes complete with drum cover, rubber-lined follower plate, 7' of high pressure grease hose, Z swivel and grease control valve

Model No. AC496
For 25-50-lb. pails
Price/Each $

Model No. AC497
For 120-lb. pail
Price/Each $



SWIVELS

- Installed between the delivery hose and grease control valve, swivels permit easy handling of control valves and prevent damage to hose caused by twisting
- 6000 PSI

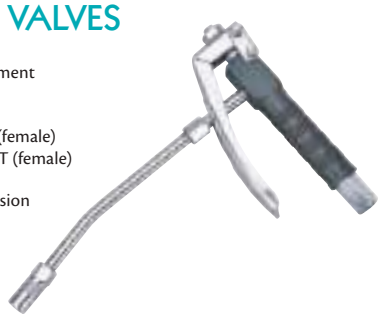
Model No.	Thread Specifications	Price /Each
AC499	1/4" NPT (F) - 1/8" NPT (M)	
AC500	1/4" NPT (F) - 1/4" NPT (M)	



GREASE CONTROL VALVES

- Premium quality
- For use with power-operated equipment
- Provides continuous grease flow with trigger fully depressed
- Inlet thread specification: 1/4" NPT (female)
- Outlet thread specification: 1/8" NPT (female)
- 7500 PSI
- Comes complete with 6" steel extension and heavy-duty coupler

Model No. AC498
Price/Each $



EASY-OUT TOOLS

- Handy, dual-purpose tool for removing worn and broken grease fittings, as well as retapping holes for installing new grease fittings

Model No.	Tap Rethreads	Price /Each
AC511	1/4"-28	
AC512	1/8"-27	



GREASE FITTINGS

- Manufactured to the most stringent quality standards
- QS 9000 approved
- 10 fittings per package



SAE — **Priced Per Package**

Model No.	Description	Price /Each
1/4" - 28 SAE-LT PIPE THREADS		
AC501	Short - Straight	
AC502	Short - 45°	
AC503	Short - 90°	
1/8" - 27 PIPE THREADS		
AC504	Short - Straight	
AC505	Short - 45°	
AC506	Short - 90°	
DRIVE FITTING		
AC507	For 3/16" Drill	

METRIC — **Priced Per Package**

Model No.	Description	Price /Each
M6 X 1 PIPE THREADS		
AD202	Straight	
AD203	90°	
M8 X 1 PIPE THREADS		
AD204	Straight	
AD205	90°	
M10 X 1 PIPE THREADS		
AD206	Straight	
AD207	90°	

SETS



Model No.	Description	Contains	Price /Each
AC509	80 Pcs of SAE Grease Fittings	15 Pcs of 1/4" 28 SAE LT Straight 10 Pcs of 1/4" 28 SAE LT 45° Angle 10 Pcs of 1/4" 28 SAE LT 90° Angle 25 Pcs of 1/8" 27 NPT Straight 10 Pcs of 1/8" 27 NPT 45° Angle 10 Pcs of 1/8" 27 NPT 90° Angle	
AC510	80 Pcs of Metric Grease Fittings	20 Pcs of M6 x 1 Straight 10 Pcs of M6 x 1 90° Angle 15 Pcs of M8 x 1 Straight 10 Pcs of M8 x 1 90° Angle 15 Pcs of M10 x 1 Straight 10 Pcs of M10 x 1 90° Angle	

VEHICLE FITTING ASSORTMENTS

- Box contains six types of popular fittings
- An identifying chart is included in the cover



AA720

ASSORTMENT INCLUDES:

Model No.	Type	Thread	Quantity
AA677	Str.	1/8" P.T.F.	24
AA686	45°	1/8" P.T.F.	12
AA680	90°	1/8" P.T.F.	12
AA684	Str	1/4"-28 Taper	24
AA683	45°	1/4"-28 Taper	12
AA689	90°	1/4"-28 Taper	12

Model No. AA720 Price/Each $

METRIC FITTING ASSORTMENTS

- Box contains six types of popular metric fittings
- An identifying chart is included in the cover
- Thread conforms to German Standard DIN 71412



AB820

ASSORTMENT INCLUDES:

Model No.	Type	Thread	Quantity
AB845	Str.	6	10
AB839	45°	6	6
AB840	90°	6	6
AB844	Str.	8	6
AB841	90°	8	6
AB842	Str.	10	10

Model No. AB820 Price/Each $

POCKET PACK FITTING ASSORTMENTS

- Box contains six types of popular fittings
- An identifying chart is included in the cover



AB826

ASSORTMENT INCLUDES:

Model No.	Type	Thread	Quantity
AA677	Str.	1/8" PTF	12
AA686	45°	1/8" PTF	6
AA680	90°	1/8" PTF	6
AA684	Str.	1/4"-28 Taper	12
AA683	45°	1/4"-28 Taper	6
AA689	90°	1/4"-28 Taper	6

Model No. AB826 Price/Each $

LUBRICATION BULK FITTINGS 1/4" - 28 TAPER THREADS

ALEMITE

- Used on most cars and trucks and on many industrial machines
- Features dirt excluding ball check
- Maximum pressure: 10 000 PSI

It is recommended that SAE-LT taper threads be assembled into 1/4" - 28 UNF, Class 3B, straight threaded holes having a modified maximum minor diameter of 0.2151" to insure 75% minimum thread height.

SAE-LT - conforms to Society of Automotive Engineers lubrication thread specification.



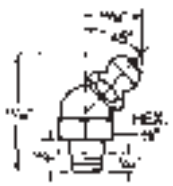
AA684



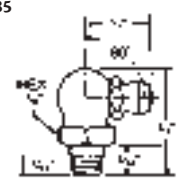
AA685



AA497



AA683



AA689

Model No.	Mfg. No.	Type	Overall Length"	Shank Length"	Hex Size"	Price /Each
AA684	1641-B	Str.	35/64	3/16	5/16	
AA685	1652-B	Str.	11/16	23/64	5/16	
AA497	1698-B	Str.	1 1/8	25/32	5/16	
AA683	1637-B1	45°	13/16	13/64	3/8	
AA689	1911-B1	90°	3/4	13/64	3/8	

1/8" PIPE THREADS

ALEMITE

- Used on many industrial machines and heavy equipment
- Features dirt excluding ball check
- Maximum pressure: 10 000 PSI



AA677



AA676



AA678



AA686



AA679

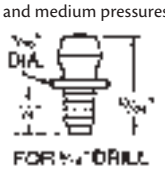


AA680

Model No.	Mfg. No.	Type	Overall Length"	Shank Length"	Hex Size"	Price /Each
AA677	1610-BL	Str.	11/16	19/64	7/16	
AA676	1607-B	Str.	1 1/4	25/32	7/16	
AA678	1611-B	30°	29/32	19/64	7/16	
AA686	1688-B	45°	57/64	19/64	7/16	
AA679	1612-B	65°	27/32	19/64	7/16	
AA680	1613-B	90°	27/32	19/64	7/16	

DRIVE FITTINGS

- Used extensively to avoid tapping costs in a wide variety of applications
- Alemite serrated shank grips securely and simplifies the replacement of damaged fittings in old or oversized holes
- Recommended only for low and medium pressures



AA687



AA688

IMPORTANT

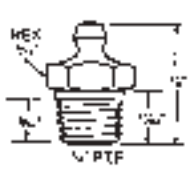
Actual drill sizes cannot be shown because drilling varies with hardness of metal. Drill sizes indicated on drawings are merely a guide. Exact drill size can only be determined by sample drilling of the actual metal. When drilled to proper tolerance, the serrated edge of the fitting will provide a secure, lasting grip.

Model No.	Mfg. No.	Type	Overall Length"	Shank Length"	Drill Dia."	Price /Each
AA687	1728-B	Str.	33/64	1/4	3/16	
AA688	1743-B	Str.	35/64	1/4	1/4	

1/4" PIPE THREADS

- Widely used for larger bearings on farm machinery and heavy industrial equipment
- Recommended for heavy lubricants in cold weather
- Features dirt excluding ball check
- Maximum pressure: 10 000 PSI

AA681



AA682



Model No.	Mfg. No.	Type	Overall Length"	Shank Length"	Hex Size"	Price /Each
AA681	1627-B	Str.	7/8	27/64	9/16	
AA682	1629-B	67 1/2°	31/32	11/32	9/16	

SAFETY TIP

To assure material compatibility, test product on a small inconspicuous area or similar expendable component prior to use. Do not use on energized electrical equipment or equipment in operation and allow surface to dry before restart.

INSTANT SUPER DEGREASER



- Heavy-duty performance
- Power blast spray
- Non-flammable
- Non chlorinated
- Safe on most metals (as per MIL-T-81533A)
- NSF registered category code C1
- Accepted for use in Canadian food processing facilities

Model No.	Mfg. No.	Size	Price /Each
AD727	C00720	20 oz.	

EVR® CLEAN AIR SOLVENT DEGREASER



- High solvent strength, fast evaporating, low VOC content
- Not a Hazard Air Pollutant (HAP)
- Instant cleaning action
- Ideal for cleaning metals
- No residue or ozone depleting compounds
- Inverta spray valve allows can to be sprayed at almost any angle
- NSF registered category code C1

Model No.	Mfg. No.	Size	Price /Each
AD060	C05220	14 oz.	
AD061	C05201	1 gal.	
AD062	C05205	5 gal.	
AD063	C05255	55 gal.	

F-104° SOLVENT DEGREASER



- 104°F (40°C) flash point
- Rapid evaporation
- Low odour
- Non-conductive
- No rinsing and no residue
- Heavy-duty cleaner/degreaser
- Safe to use on most surfaces - may be harmful to some plastics

Model No.	Mfg. No.	Size	Price /Each
AA919	C04920	15 oz.	
AB589	C04905	5 gal.	
AB591	C04955	55 gal.	

T-91 NON-SOLVENT DEGREASER



- Zero VOC's, biodegradable
- Non-flammable, non-toxic, low odour
- Safe on metals
- Non-dilutable – Must be used straight
- Moderate foam for effective mechanical cleaning
- Ideal for traditional solvent cleaning, basin style part washers and dip tanks
- NSF registered category code A1
- Accepted for use in Canadian food processing facilities

Model No.	Mfg. No.	Size	Price /Each
AD295	C06328	28 oz.	
AD183	C06301	1 gal.	
AD184	C06305	5 gal.	
AD185	C06355	55 gal.	

HDX HEAVY-DUTY DEGREASER



- Low odour
- Quick penetration
- No rinsing
- No residue
- Non-conductive
- Heavy-duty action removes oil, grease, wax, dirt, moisture, tar, brake fluid and other contaminants
- NSF registered category code K1

Model No.	Mfg. No.	Size	Price /Each
AA840	C01020	19 oz.	
AB446	C01005	5 gal.	

ZEROTRI® HEAVY-DUTY DEGREASER



- Heavy-duty penetrating degreaser instantly removes oil, grease, wax, dirt, moisture, tar, conformal coatings and other contaminants
- No ozone depleting chemicals
- Fast evaporating, no rinsing, no residue
- Does not contain chlorinated solvents
- Safe to use on most surfaces
- Inverta spray valve
- NSF registered category code C1
- Accepted for use in Canadian food processing facilities

Model No.	Mfg. No.	Size	Price /Each
AA787	C03520	15 oz.	
AB607	C03528	1 gal.	
AB605	C03505	5 gal.	
AB606	C03555	55 gal.	

A-151 SOLVENT DEGREASER



- High flash point above 140°F (60°C)
- Low odour
- No rinsing and no residue
- Non-conductive
- Safe to use on most surfaces
- NSF registered category code C1

Model No.	Mfg. No.	Size	Price /Each
AA920	C04320	15 oz.	
AB448	C04305	5 gal.	
AB579	C04355	55 gal.	

PRESOLVE® ORANGE DEGREASER



- High performance cleaner
- Non-conductive
- Natural-based solvent
- No rinsing and no residue
- Fast acting, deep penetration
- Safe on all metals and most plastics
- NSF registered category code C1

Model No.	Mfg. No.	Size	Price /Each
AA786	C01420	15 oz.	
AD729	C01422	20 oz. Trigger	
AB604	C01428	1 gal.	
AB603	C01405	5 gal.	
AA868	C01455	55 gal.	

HEAVY DUTY DEGREASERS



- Base Type: Chlorinated
- No flashpoint
- Fast evaporation rate
- A versatile cleaner/degreaser that is extremely effective in most heavy duty applications
- Aggressively dissolves grease, oil and sludge for more efficient operation of mechanical equipment
- Accepted for use in Canadian food processing facilities

Model No.	Mfg. No.	Size	Price /Each
YA184	73095	539 g	

G-49™ LOW VOC ORANGE DEGREASER



- Complies with CARB/OTC/LADCO (California Air Resources Board/Ozone Transport Commission/Lake Michigan Air Directors Consortium) VOC regulations
- Instant cleaning action, no residue
- High solvent strength
- Moderate evaporation
- Not a hazardous air pollutant (HAP)
- Ideal for cleaning metals
- Inverta spray valve can to be sprayed at almost any angle
- NSF registered category code C1

Model No.	Mfg. No.	Size	Price /Each
AD186	C06420	15 oz.	

HYDROFORCE® INDUSTRIAL STRENGTH DEGREASER



- An aqueous cleaner that removes heavy deposits of grease, oil and dirt
- Biodegradable, concentrated, non-abrasive and non-flammable
- Use caution on soft metals and painted surfaces

Model No.	Mfg. No.	Size	Price /Each
AF112	74415	32 oz.	

EFX SOLVENT /DEGREASER



- Heavy-duty solvent
- Instant degreasing action, quickly removes grease and oil
- Power blast spray
- Fast evaporating, no residue, non-chlorinated
- Safe to use on most surfaces
- Ideal for cleaning metals and most plastics

Model No.	Mfg. No.	Size	Price /Each
AD833	C01820	15 oz.	

INSTANT SUPER DEGREASER 2.0



- Non-flammable fast drying solvent degreaser
- Heavy-duty formula that removes oil, grease, dirt, and tar with less cleaner
- Non-brominated formula that improves worker safety and simplifies employer compliance
- No residue/no rinsing formula
- Non-conductive formula that can be used on or near energized equipment, eliminating equipment downtime

Model No.	Mfg. No.	Size	Price /Each
AF141	C07220	20 oz.	

EM-CITRO EMULSION DEGREASER



- Heavy-duty, citrus-based, aerosol degreaser that quickly removes oil/grease, tar, and grime from metal parts and equipment
- High delivery spray enhances and accelerates soil removal
- Wipe dry or rinse with water soil emulsifies and is removed easily by a strong stream of fresh water
- Neutral pH with no caustics, acids, chlorinated solvents, alcohols, or ozone depleting solvents
- Low foam viscous liquid enhances contact time by clinging to the soil & surface
- Safe on most surfaces
- Meets VOC regulations under CARB and the Ozone Transport Commission
- NSF registeered category code C1

Model No.	Mfg. No.	Size	Price /Each
AD001	C02820	15 oz.	
AD003	C02805	5 gal.	
AD004	C02855	55 gal.	

BFX ALL-PURPOSE CLEANER



- Water-based
- Butyl-free and dye-free formula
- Removes grease and oil
- Rinses clean
- Ideal for parts washers and pressure washers
- Safe on most surfaces except magnesium
- NSF registered category code C1

Model No.	Mfg. No.	Size	Price /Each
AB581	C05528	28 oz.	
AB584	C05501	1 gal.	
AB582	C05505	5 gal.	
AB583	C05555	55 gal.	

T-FORCE™ DEGREASER



- High-performance industrial strength degreaser
- Non-conductive, non-corrosive, and non-staining
- No flash point
- No fire point

Model No.	Mfg. No.	Size	Price /Each
AF205	73115	510 g	

HYDROFORCE® ZERO VOC GENERAL PURPOSE CLEANERS



- Plastic safe: Yes
- Slow evaporation rate
- Provides maximum regulatory compliance without performance compromises
- Removes dirt, dust, and grime
- Accepted for use in Canadian food processing facilities

Model No.	Mfg. No.	Size	Price /Each
AE970	74446	946 ml	

PRECISION CLEAN MULTI-PURPOSE CLEANER/ DEGREASER



- Water-based
- Removes grease, oil, sludge, soot, ink, coffee, and more
- Contains no chlorinated or petroleum solvents, bleach, ammonia, abrasives or butyl
- Contains a corrosion inhibitor
- Super industrial-strength
- Safe on all surfaces
- NSF registered category code C1

Model No.	Mfg. No.	Size	Price /Each
READY TO USE FORMULA			
AB444	C02720	18 oz.	
AA789	C02728	28 oz. trigger	
CONCENTRATED FORMULA			
AA788	C02701	1 gal.	
AB600	C02705	5 gal.	
AB601	C02755	55 gal.	

SLAP SHOT™ CLEANER/ DEGREASER



- Industrial parts cleaner/degreaser
- Removes grease and oil
- Free of chlorinated solvent
- Safe on all metals
- Prepares surfaces for painting or relubrication
- Requires no rinsing, leaves no residues

Model No.	Mfg. No.	Size	Price /Each
YC419	53-C502	500 ml	
AC306	53-C503	500 ml, trigger	
AA462	53-C506	5 L	
AA463	53-C507	20 L	
AC307	53-C508	200 L	

FOOD GRADE CITRUS CLEANER/DEGREASER

- D-Limonene is biodegradable
- Heavy-duty, multi-purpose cleaner and graffiti remover
- Removes grimy dirt, grease and oil
- Cleans residue on moulds, aluminum and concrete
- NSF Certified



Model No.	Mfg. No.	Size	Price /Each
AB532	A020454LQ	14 oz. trigger	

FOOD GRADE STAINLESS STEEL CLEANER & PROTECTANT

- Can be applied to: Aluminum, Brass, Chrome, Copper, and Stainless Steel
- Oil-based cleaner that penetrates to remove soils from stainless steel surfaces
- Leaves a light and durable lubricating film
- Provides short-term protection on surfaces



Model No.	Mfg. No.	Size	Price /Each
AF343	C52116	368 g	

HYDROFORCE® CITRUS DEGREASER

- Heavy-duty degreaser
- Designed for extremely difficult cleaning jobs found in the industrial environments



Model No.	Mfg. No.	Size	Price /Each
AF241	74440	425 g	

UNO S F CLEANER

- Non-flammable
- Concentrated cleaning power
- Contains corrosion inhibitors
- Solvent, phosphate and butyl-free
- For iron, steel, and stainless steel
- Removes oil, fat, grease, soot, wax and protein
- VOC free
- Accepted for use in Canadian food processing facilities



Model No.	Mfg. No.	Size	Price /Each
AA464	53-G 023	500 ml trigger	
AA466	53-G 017	20 L	
NI137	53-G 018	200 L	

OCX™ CITRUS DEGREASER

- High performance industrial degreaser that cleans on contact
- Fast acting on grease, oil and sludge
- Natural based
- Does not contain chlorinated solvents
- Flash point above 100°F (38°C)
- Non-conductive
- Safe on all metals and most plastics
- Inverta spray valve
- Value Performance



Model No.	Mfg. No.	Size	Price /Each
AB588	C05020	15 oz.	
AB585	C05005	5 gal.	

CB 100™ NATURAL WATER-BASED SOLVENT

- All-natural, water-based cleaner and degreaser
- Offers superior cleaning results with the removal of stubborn ink, rubber marks, tar, wax, carbon, soot, pastes and many other common industrial contaminants
- Bio-degradable, VOC free, non-flammable
- Safe on steel, stainless steel, aluminum and non-ferrous metals
- Applications: Immersion bath, pressure washing, all manual cleaning operations



Model No.	Mfg. No.	Size	Price /Each
AD515	53G167	20 L	

STAINLESS STEEL CLEANER

- Water-based emulsion
- Effectively cleans most water and oil-based stainson stainless steel and other metal surfaces
- Resists finger-prints, water marks and rusting
- USDA compliant, NSF Certified
- For kitchen equipment, drinking fountains, elevator doors and furniture



Model No.	Mfg. No.	Size	Price /Each
AA202	A00885	17 oz.	

GENERAL PURPOSE CLEANER

- All-purpose formula cuts through dirt with ease
- Safe to use on metal, finished wood, porcelain, vinyl, leather, laminated surfaces and glass
- Cleans spots on synthetic carpets
- USDA compliant, NSF Certified
- For office equipment, copy machines,vehicle interiors, windshields, counters, chalkboards and fixtures



Model No.	Mfg. No.	Size	Price /Each
AA200	A00880	19 oz.	

GLASS CLEANER

- Removes soil, smoke haze, fingerprints, road film and surface smears
- Cleans any surface not normally harmed by water
- USDA compliant, NSF Certified
- Will not cloud plexiglas or other plastic materials
- Resists streaking; wipes clean
- For windows, glass, mirrors, windshields, chrome, showcases, countertops, tile, vinyl upholstery and safety glass



Model No.	Mfg. No.	Size	Price /Each
AA201	A00888	18 oz.	

SUPER CITRUS™ DEGREASERS

- Base type: d-Limonene and petroleum distillate
- Flashpoint: 43°C
- Fast evaporation rate
- Removes grease, oil and lubricants with no water wash-off
- Evaporates quickly and leaves no residue
- Pleasant citrus scent



CRC

Model No.	Mfg. No.	Size	Price /Each
AE967	73170	435 g	

CITRUS BASE CLEANER

- Heavy-duty degreaser/cleaner
- Safe on metals, ceramic, glass, porcelain and many plastics
- Removes grease, oil, ink and most adhesives
- No harmful solvents
- Cleans without streaking
- Non-aerosol pump



3M

Model No.	Size	Price /Each
AA528	5 oz.	
QN488	18.5 oz.	

NON-CHLORINATED BRAKE & PARTS CLEANER

- Non-chlorinated and fast evaporating
- Leaves no residue
- Instantly flushes away brake fluids, grease and dirt to ensure accurate adjustments and smooth brake operations
- Also recommended as a cleaner for metal parts
- Improves brake performance,



Sprayon

Model No.	Mfg. No.	Size	Price /Each
AA649	C00705000	14 oz.	

WORKPLACE HAND CLEANER TOWELS

- Waterless hand cleaner
- Deep cleaning, non-scratching abrasives
- Leaves hands clean, conditioned and softened
- 72 towels per bucket



LPS

Model No.	Mfg. No.	Price /Each
AA841	C09200	

TRIFREE BRAKE CLEANER

- Heavy-duty performance
- Improves brake performance
- Helps stop disc brake squeal
- Fast evaporation
- Powerful jet spray
- No rinsing and no residue



LPS

Model No.	Mfg. No.	Size	Price /Each
AA818	C03620	15 oz.	

COIL CLEANER

- Water-based, foaming coil cleaner
- Foaming and penetrating action
- Non-flammable and non-corrosive
- Safe on all types of metal
- Recommended use: All refrigerator and A/C coils, coolers, freezer engines, HVAC units, motors and machinery



Sprayon

Model No.	Mfg. No.	Size	Price /Each
AD056	A00887	18 oz.	

FIGHTBACK™ GRAFFITI REMOVER

- Safe and efficient, used to remove vandal marks leaving an undamaged original surface
- Ideal for use on brick, concrete, ceramic tiles, aluminum, steel, brass, chrome, vinyl, enamels, porcelain, marble slab, laminated plastic and most plastic surfaces
- Adequate for sprayed paint on vehicles and commercial trailers
- Breaks down and dissolves fresh stained molecules
- Spray it on, wait 30 to 60 sec. and wipe or spray with water
- Removes spray paint, indelible ink, grease, crayon, lipstick, black heel marks, etc.
- Very low toxicity
- No methylene chloride
- Non-flammable



Lloyds

Model No.	Size	Price /Each
AA529	350 g aerosol	

ECO-GRADE™ VANDAL MARK & GRAFFITI REMOVER

- Soy based, contains natural, biodegradable ingredients made to replace terpene or petrochemical based products
- Formulated with EPA DFE certified materials
- Quickly and easily removes paint, ink, crayon, magic marker and adhesive residue
- Sprays and clings to vertical surfaces
- Penetrates and dissolves oil based stains quickly



Sprayon

Model No.	Mfg. No.	Size	Price /Each
AD402	A00404000	12 oz.	

CHLOR-FREE™ DEGREASER

- Non-chlorinated degreasing solvent that removes oil, grease and other types of contaminants
- Ideal for use in applications requiring quick turnaround and where a low flashpoint solvent can be used



CRC

Model No.	Mfg. No.	Size	Price /Each
AF105	73185	425 g	

ELECTRA-X 2.0 CONTACT CLEANERS

- Non-flammable fast drying electronic cleaner
- Economical and effective industrial-strength formula
- Non-brominated formula that improves worker safety and simplifies employer compliance
- No residue/no rinsing formula
- Non-conductive formula
- Inverta spray valve allows users to spray in an upright or inverted position for more convenient application



Model No.	Mfg. No.	Size	Price /Each
AF143	C07316	12 oz.	

NOFLASH® 2.0 ELECTRO CONTACT CLEANERS

- Non-flammable fast drying electronic cleaner
- Industrial-strength formula for maximum cleaning power
- Non-brominated formula that improves worker safety and simplifies employer compliance
- No residue/no rinsing formula
- Non-conductive formula
- Inverta spray valve allows users to spray in an upright or inverted position for more convenient application



LPS

Model No.	Mfg. No.	Size	Price /Each
AF142	C07416	12 oz.	

CFC FREE ELECTRO CONTACT CLEANER



- Fast evaporation
- No residue
- Low odour
- Non-conductive
- Safe on plastics
- Inverta spray valve allows you to spray in an upright or inverted position
- NSF registered category code K2

Model No.	Mfg. No.	Size	Price /Each
AA784	C03116	11 oz.	
AB546	C03101	1 gal.	
AB544	C03105	5 gal.	
AB545	C03155	55 gal.	

CFC FREE NU CONTACT CLEANER



- Reduced VOC's (Volatile Organic Compounds) content and conforms to CARB (California Air Resources Board), OTC (Ozone Transport Commission) and LADCO (Lake Michigan Air Directors Consortium) VOC regulations
- Removes dirt, flux, moisture, dust, and other contaminants from electrical equipment
- Fast evaporating, safe on plastics
- Will not leave a residue
- NSF registered category code K2

Model No.	Mfg. No.	Size	Price /Each
AD177	C05416	11 oz.	

REVO 66® CONTACT CLEANER



- Ideal for removing dirt, moisture, flux or oxides from the internal components of electronic equipment
- Non-flammable precision cleaning
- Does not contain brominated solvents
- Fast evaporating
- Non-conductive
- Quick penetration
- No rinsing and no residue
- Safe to use on most surfaces
- NSF registered category code K2
- Accepted for use in Canadian food processing facilities

Model No.	Mfg. No.	Size	Price /Each
AD010	C04416	12 oz.	

ELECTRO 140° CONTACT CLEANER



- Flash point above 140°F (60°C)
- Superior wetting and penetrating action
- Controlled evaporation
- No residue • Non-conductive
- Safe to use on most surfaces
- Inverta spray valve allows you to spray in an upright or inverted position

Model No.	Mfg. No.	Size	Price /Each
AA836	C00916	11 oz.	

NOFLASH® NU PRECISION CONTACT CLEANER



- Does not contain chlorinated solvents
- Non-flammable precision cleaning
- No flash point
- Fast drying
- Quick penetration and evaporation
- No rinsing and no residue
- Safe to use on most surfaces
- NSF registered category code K2

Model No.	Mfg. No.	Size	Price /Each
AA860	C04015	12 oz.	

MICRO-X FAST EVAPORATING CONTACT CLEANER



- Fast evaporation
- Quick penetration
- No residue
- Low odour
- Safe on plastics
- No rinsing
- Inverta spray valve allows you to spray in an upright or inverted position

Model No.	Mfg. No.	Size	Price /Each
AA837	C04516	11 oz.	
AB549	C04555	55 gal.	

QB PRECISION DUSTER



- Quick blast precision duster removes contaminants, dirt, dust and other soils
- Moisture free
- No residue
- No flash point
- Odourless

Model No.	Mfg. No.	Size	Price /Each
AA918	C05710	12 oz.	

ELECTRO CONTACT CLEANER



- No ozone depletion potential
- Fast penetration
- Quick evaporation
- Penetrates into minute spaces
- Cleans/degreases delicate mechanisms
- Ideal for electrical/electronic fine parts
- Removes light greases, oils, dirt and organic soils
- No rinsing and no residue
- Safe to use on most surfaces

Model No.	Mfg. No.	Size	Price /Each
AA858	C00416	14 oz.	

PSC PLASTIC SAFE CLEANER



- Formulated for contact cleaning
- Fast evaporation
- No flash point
- No rinsing and no residue
- Displaces moisture
- Very low odor
- No CFC's

Model No.	Mfg. No.	Size	Price /Each
AB700	C04620	18 oz.	

LECTRA CLEAN® HEAVY-DUTY ELECTRICAL PART DEGREASER



- A chlorinated based degreaser that quickly removes grease, oil and dirt from motor parts and other similar equipment

Model No.	Mfg. No.	Size	Price /Each
AF103	72018	539 g	

QD™ CONTACT CLEANER



- Plastic safe: Yes
- Flashpoint: Less than -18°C
- Very fast evaporation rate
- Suitable for cleaning sensitive electronics and electrical equipment
- Use where lower flashpoint cleaners are acceptable
- Accepted for use in Canadian food processing facilities

Model No.	Mfg. No.	Size	Price /Each
MLN874	72130	312 g	

FREEZE SPRAY



- Plastic Safe: Yes
- No flashpoint
- Very fast evaporation rate
- Aerosol coolant system that instantly freezes surfaces to -60°F, dissipating heat and cooling equipment
- Assists in locating thermal intermittent components, failures and shorts
- Safe to use on sensitive components and all surfaces finishes

Model No.	Mfg. No.	Size	Price /Each
AE971	74086	284 g	

FLASH FREE SAFETY SOLVENT & DEGREASER

- Fast-acting solvent penetrates easily, evaporates quickly, leaves no residue
- Ideal for removing grease, dirt, wax and metallic particles
- Non-conductive
- Non-flammable
- Dielectric strength: 37 000 volts
- Includes extension tube and high-delivery nozzle for flush-type applications
- NSF registered category code K2



Model No.	Mfg. No.	Size	Price /Each
AA216	A20848	13 oz.	

FLASH FREE SAFETY SOLVENT & DEGREASER

- Meets California's consumer regulation (CONS1) for energized electrical cleaner
- Fast-acting solvent penetrates easily, evaporates quickly, leaves no residue
- Excellent cleaning properties make it ideal for removing grease, dirt, wax and oil
- Non-conductive, non-flammable, fast evaporating, chlorinated
- Dielectric strength: 37 000 volts
- NSF registered category code K2



Model No.	Mfg. No.	Size	Price /Each
AB534	A020848LQ	14 fl oz. trigger	

ENVIRONMENTAL CLEANER & DEGREASER

- Meets California's consumer regulation (CONS1) for energized electrical cleaner
- Designed for fast, effective removal of dirt, oil, grease, wax and tar
- For use on non-energized equipment
- Leaves no residue
- Fast-evaporating
- NSF registered category code K2



Model No.	Mfg. No.	Size	Price /Each
AB531	A0220749LQ	14 fl oz. trigger	

DUSTERS

- Non-conductive
- Non-flammable
- Removes microscopic particles of lint, dust, ferrous oxide and other contaminants
- Useful on instruments where residual entrapment could be a problem
- High-delivery trigger valve
- Safe on plastics
- Non-abrasive
- For electronics, data processing, optical and laboratory equipment, personal computers and precision mechanical parts



Model No.	Mfg. No.	Size	Price /Each
AB934	A0200700	10 oz.	

ENVIRONMENTAL CONTACT CLEANERS

- Heavy-duty degreaser and quick-drying cleaner
- Ideal for sensitive equipment and precision instruments
- Fast-evaporating
- Safe on most plastics
- Leaves no residue
- For use on non-energized equipment
- For printed circuits, office machines, vacuum tube parts and computer systems



Model No.	Mfg. No.	Size	Price /Each
AA214	80230Z	11 oz.	

ENVIRONMENTAL CLEANER & DEGREASER

- Designed for fast, effective removal of dirt, oil, grease, wax and tar on electrical equipment
- For use on non-energized equipment
- Leaves no residue
- Fast-evaporating
- For electric motors, radar equipment, gears, brakes, clutches, generators, air tools and moulds



Model No.	Mfg. No.	Size	Price /Each
NA613	A00749	15 oz.	



ANTI-STATIC SPRAY

- Neutralizes static electricity generated by friction or atmospheric conditions
- Proven effective on plastic, paper, cellophane, cloth and thread materials
- Dries instantly, non-staining
- Can be applied to machinery or parts in process
- Will not attract contaminants



Model No.	Mfg. No.	Size	Price /Each
AC517	A00610	11.5 oz.	

7629™ ELECTRICAL CONTACT CLEANERS

- Ideal for removing grease, oil and contaminants from electrical parts to prevent contact failures
- Dries residue-free in seconds
- This contact cleaner is non-conductive, non-corrosive and non-flammable



Model No.	Mfg. No.	Size	Price /Each
AF070	1174633	12 oz.	

LPS 1® GREASELESS LUBRICANT

AA819



- Dry, thin lubricating film
- Resists oil, dust and dirt build-up
- Fast acting penetration
- Displaces moisture
- Loosens rusted or frozen parts
- Provides short term, light, corrosion resistant barrier
- Safe on paint and most plastics
- Inverta spray valve lets you spray in all directions
- NSF registered category code H2
- Accepted for use in Canadian food processing facilities



AE950

Model No.	Mfg. No.	Size	Price /Each
AA819	C30116	11 oz.	
AB628	C00122	20 oz. trigger	
AB627	C01128	1 gal.	
AB625	C00105	5 gal.	
AB626	C00155	55 gal.	
AE950	C30144	7" x 10" Wipe	

HIGH PERFORMANCE SILICONE LUBRICANT

- 6.6% silicone formula
- Stops squeaks and sticking, eliminates friction, repels water and prevents freezing
- Does not harden or degrade from -40°F to 400°F
- Apply to wood, metal, fabric, rubber or leather
- Keeps rubber soft and flexible
- For rubber mountings, weather-strip insulation, doors, locks, trunk lids, windows, slitter knives, any sliding surface



Model No.	Mfg. No.	Size	Price /Each
AA647	A01324	10 oz.	

ALL-PURPOSE SILICONE LUBRICANT

- 5% silicone formula
- Reduces friction and sticking; protects against corrosion and oxidation with an invisible film that repels water
- Compatible with most surfaces; will not attack most plastics
- Will not interfere with painting or decorating
- Effective from -50°F to 375°F
- For rubber moldings, windows, sliding wood surfaces, sewing equipment, sliding racks, dissimilar metals, springs, leather, doors, hinges, weather-stripping, plastic assemblies



Model No.	Mfg. No.	Size	Price /Each
AA108	800206	10 oz.	

HEAVY-DUTY SILICONE LUBRICANT

- Silicone-rich formula
- Water-based formula
- Colourless and odourless
- Excellent lubricity
- Eliminates sticking, binding and squeaking
- Dry, non-staining
- Safe on most surfaces
- Made of FDA compliant materials
- NSF registered category code H1
- Accepted for use in Canadian food processing facilities



Model No.	Mfg. No.	Size	Price /Each
AA844	C01516	13 oz.	
AB624	C01505	5 gal.	

FOOD PLANT SILICONE LUBRICANT

- Flashpoint: Less than -18°C
- Fast evaporation rate
- Multi-purpose silicone spray for food processing and handling applications
- Forms a colorless, odorless, non-staining film
- Eliminates binding and sticking in most metal to non-metal applications
- Accepted for use in Canadian food processing facilities



Model No.	Mfg. No.	Size	Price /Each
YC014	73040	284 g	

SUPERIOR LUBRICANT

- Penetrates inaccessible areas to displace contaminants
- Lubricates with oils, additives and PTFE to reduce friction and increase part life
- Protects against moisture and corrosion damage; displaces moisture to prevent icing; inhibits rust formation and corrosive build-up
- Rejects dirt, dust, sand and other abrasive particles
- Resists rust and corrosion, even under extreme conditions
- Effective from -60°F to 475°F
- For bearings, cables, nuts and bolts, air power tools, ball and socket joints, control cables, conveyors, cutting tools, drive chains, electric power tools, gears, glides, hinges, linkages, precision tools, rollers, taps, dies and valves
- NSF regsistered category code H2



Model No.	Mfg. No.	Size	Price /Each
AA427	CTF20005	6 oz.	
AA428	CTF20006	12 oz.	
AA429	CTF20007	18 oz.	

LPS 2® HEAVY-DUTY LUBRICANT

- Added corrosion protection
- Provides a nondrying, light, oily film for use on indoor /outdoor equipment
- Reduces wear caused by friction and corrosion
- Displaces moisture
- Loosens rusted or frozen parts
- Provides up to one year of protection
- Safe on paint and most plastics
- Inverta spray valve lets you spray in all directions
- NSF registered category code H2
- Accepted for use in Canadian food processing facilities



Model No.	Mfg. No.	Size	Price /Each
AA820	C30216	11 oz.	
AB632	C00222	20 oz. trigger	
AB631	C02128	1 gal.	
AB629	C00205	5 gal.	
AB630	C00255	55 gal.	-

DRY GRAPHITE LUBES

- Dry black film
- Flashpoint: Less than -18°C
- Fast evaporation rate
- Resists dirt, dust and oil build-up
- Wide effective temperature range up to 850°F constant



Model No.	Mfg. No.	Size	Price /Each
MLT431	75101	320 g	

SILICONE LUBRICANT

- Lubricates cutting tools and tables
- Prevents build-up of glues, wax, inks, paints
- Fast drying, long lasting, high quality
- Eliminates squeaks and sticking
- Contains no petroleum oils to stain fabrics
- Helps preserve plastic, rubber and leather
- Rubber mould release agent
- Temperature resistance: 350°F (177°C)



Model No.	Size	Price /Each
AA613	375 g	

DRY FILM GRAPHITE LUBRICANT

- Ideal where a dry lubricant is or where petroleum products must be avoided
- Adheres with minimum pre-treatment
- Effective up to 850°F constant and 1000°F intermittent
- Dries rapidly at room temperature
- For pre-assembly lubrication of moving parts, mechanisms of vending machines and parking meters, automotive and industrial gaskets, bearings, locks, springs, hinges, mating surfaces on machines, CRT's, plating non-conductors, curing ovens



Model No.	Mfg. No.	Size	Price /Each
AA107	A00204	10 oz.	

DRY FILM SILICONE LUBRICANT

- Colourless, thin film
- Excellent for releasing moulded parts in high temperatures or pressures
- Low odour
- Non-staining
- Non-flammable
- Non-corrosive



Model No.	Mfg. No.	Size	Price /Each
AA902	C01616	11 oz.	

QTL DRY LUBRICANT WITH PTFG

- Dry, non-oily, non-staining lubricant
- Made with DuPont® Krytox®
- Dries quickly to a white, chemically inert film
- Effective from -40°F to 572°F
- Resists most solvents
- For metal extrusions, munitions, locks and catches, window guides, synthetic fibers, machine parts, cord, twine or rope, leather drawers, hinges, paper, glass, elastomers and some plastics
- Use as release agent on conveyor belts, chutes and slides, industrial blenders, tanks, bins and spray booths



Model No.	Mfg. No.	Size	Price /Each
AA184	800708	10 oz.	

SYNTHETIC DRY PROTECTANT

- Quickly loosens rust while penetrating grease and dirt
- Transparent, non-staining oil
- Light film displaces moisture and acts as a corrosion preventative
- Jet stream sprays up to two feet for safe, accurate application
- Flashpoint: 205°F
- Will not harm painted surfaces
- For releasing rusted or frozen lugs and bolts, lubricating tight-fitting parts, general overhaul, repair work, food plant equipment
- NSF registered category code H2



Model No.	Mfg. No.	Size	Price /Each
AA227	A00737	11 oz.	

DRY FILM PTFE LUBRICANT

- Ideal for releasing moulded parts
- Excellent for high temperature applications up to 500°F (260°C)
- Dry, thin film won't attract dust or dirt
- Non-flammable
- No silicone or chlorinated solvents
- Safe on most surfaces



Model No.	Mfg. No.	Size	Price /Each
AA870	C02616	11 oz.	

DRY MOLY LUBRICANT

- Penetrates pores of substrate and bonds to surface for long-lasting lubrication
- High-pressure, high-solids molybdenum disulfide coating
- Withstands pressures up to 50 000 PSI
- Air dries in 5-10 minutes; cures in 2 hours at room temperature
- Maintains effectiveness under high temperatures (650°F constant and 750°F intermittent)
- For assembly and run-in lubrication, automotive and industrial gaskets, sliding surfaces and gears, chutes and bins, bearings, chain drives, intricate mechanisms,vending machines, parking meters, roller chains, conveyor belts where heat is present



Model No.	Mfg. No.	Size	Price /Each
AA104	800200	11 oz.	

FORCE 842°® DRY MOLY LUBRICANT

- Works under high temperatures up to 842°F (450°C) and pressures up to 100 000 PSI (6890 bars)
- Prevents seizure of parts
- High adhesion
- Resists dust and dirt
- Water and chemical resistant
- Provides a quick drying, thin film
- Not recommended for friction bearings or light-duty bearings



Model No.	Mfg. No.	Size	Price /Each
AA845	C02516	11 oz.	

MAGNUM PREMIUM LUBRICANT WITH PTFE

- High performance lubricant with PTFE additives
- Ultra high lubricity
- Penetrates and protects metal against rust and corrosion
- Flash point of 175°F (79°C)
- Displaces moisture
- Safe to use on most surfaces
- Inverta Spray Valve lets you spray in all directions
- NSF registered category code H2



Model No.	Mfg. No.	Size	Price /Each
AA842	C00616	11 oz.	

PTFE POWER LUBRICANT

- Maximum Working Temperature: 300°F (148.9°C)
- Contains PTFE for long-lasting lubrication and protection
- High performance



Model No.	Mfg. No.	Size	Price /Each
AF239	73045	312 g	

FOOD PLANT PENETRATING OIL

- General purpose lubricant for use on food processing equipment
- Penetrates and loosens rust, scale, corrosion, and dirt to free corroded parts and fasteners
- Does not contain silicones
- Approved for use in Canadian food processing facilities



Model No.	Mfg. No.	Size	Price /Each
AF203	73086	312 g	

FOOD PLANT CHAIN LUBE

- Keeps roller drive and conveyor chains lubricated
- Blend of synthetic lubricants and mineral oil
- Penetrates, lubricates and protects moving parts by reducing friction and wear
- Approved for use in Canadian food processing facilities



Model No.	Mfg. No.	Size	Price /Each
AF201	73056	340 g	

DI-ELECTRIC GREASE

- Non-curing silicone compound used for electrical sealing
- Waterproofs electrical connections and components
- Improves electrical performance



Model No.	Mfg. No.	Size	Price /Each
AF248	73082	284 g	

FOOD GRADE SILICONE LUBRICANT

- Provides excellent lubrication
- Non-staining
- Non-corrosive
- Fast evaporating
- No chlorinated solvents
- Made of FDA compliant materials
- NSF registered category code H1
- Accepted for use in Canadian food processing facilities
- Metal and x-ray detectable plastic aerosol components
- Excellent for high temperature applications up to 500°F (260°C)



Model No.	Mfg. No.	Size	Price /Each
AA917	C01716	10 oz.	



MULTI-PURPOSE FOOD PLANT GREASE

- Appearance: White Semi-Solid/Solid Grease
- Effective Temperature Range: -5°F - 370°F (-20.6°C to 187.8°C)
- Base Type: Aluminum Complex
- Flash Point: 221°C



Model No.	Mfg. No.	Size	Price /Each
AF202	73600	397 g	

FOOD GRADE ELECTRONIC CLEANER

- Can be applied to: Breakers, Connectors, Contacts, Controls, Digital Equipment, Office Equipment, Printed Circuits, and Switches
- Ideal for removing dirt, moisture, and oxides from electronic equipment
- Allows for offline electronics to be cleaned without stopping production
- Evaporates rapidly without leaving residue
- Safe for use in all food plant areas
- Plastic safe



Model No.	Mfg. No.	Size	Price /Each
AF342	C58116	312 g	

SILICONE LUBRICANT

- 5% silicone formula
- Colourless, odourless low-viscosity lubricant
- Prevents sticking without transferring to end products
- Will not attack delicate surfaces such as styrene or urethane
- For slides, guide rails, knives, slicers, saws, grinders, dough mixers, guards, conveyors, food racks, ovens, bottling machines, heat sealing equipment, all food and drug processing equipment
- NSF registered category code H1



Model No.	Mfg. No.	Size	Price /Each
AA110	A00210	10 oz.	

SYNTHETIC FOOD GRADE OIL

- Includes PTFE. for added lubricity
- Does not emulsify with water
- Waterproof
- Biodegradable
- Clear, non-staining
- Kosher approved
- For pumps, gear boxes, bearings, hydraulic systems, motors, chains, conveyors, general purpose lubrication
- NSF registered category code H1



Model No.	Mfg. No.	Size	Price /Each
AA525	TF23010	12 oz.	

FOOD GRADE MACHINE OIL

- Penetrates to loosen frozen nuts and bolts
- Displaces water
- Provides excellent lubricity
- Does not contain silicone
- Eliminates sticking, binding and squeaking
- Non-staining lubricant, safe on most surfaces
- Inverta spray valve lets you spray in an upright or inverted position
- Made of FDA compliant materials
- NSF registered category code H1
- Accepted for use in Canadian food processing facilities
- Metal and x-ray detectable plastic aerosol components



Model No.	Mfg. No.	Size	Price /Each
AB623	C01316	11 oz.	

FOOD GRADE MACHINERY OIL

- Economical, general-purpose lubricant
- Penetrates and loosens rust, dirt, scale and corrosion
- Non-silicone formula is excellent for use in areas where silicone overspray might interfere with carton sealing or capping operations
- Virtually odourless, tasteless and colourless
- For bottle and carton filling machinery, valves, pistons, rollers, stainless steel pumps, chain drive belts, paste and sauce fillers, cams on rotary-type fillers,mixers, conveyors
- NSF registered category code H1



Model No.	Mfg. No.	Size	Price /Each
AA139	800700	10 oz.	

CHAINMATE® CHAIN & WIRE ROPE LUBRICANT

- Effective under extreme temperature and pressure ranges
- Fortified with molybdenum disulfide
- Deep penetration to the core of wire ropes
- High adhesion
- Lubricant and corrosion protectant
- Use with guards in place to eliminate costly down time
- Increases chain and wire rope life
- Reduces wear caused by friction and corrosion



Model No.	Mfg. No.	Size	Price /Each
AA877	C02416	11 oz.	

MOLY CHAIN LUBRICANT

- Foaming action penetrates close tolerances of chain drive bushings and pins
- Specially formulated for all chain drive equipment
- Reduces wear, increases chain life up to three times when applied regularly
- Moly additive assures lubrication under extreme pressure
- Effective from -20°F to 300°F
- Excellent as a protective coating for stored metal parts
- For chain drives and pins, forklift trucks, tractors, machinery, workstand rollers, conveyors, motorcycle and bicycle chains, sprockets, clippers, cutter bars, chain saws, link and roller assemblies
- NSF registered category code H2



Model No.	Mfg. No.	Size	Price /Each
AA106	800202	12 oz.	



FOOD GRADE CHAIN LUBRICANT

- Excellent for applications involving incidental food contact on food processing equipment
- Foaming action provides extra penetration and lubrication
- Oily, wet film extends chain life
- Low flammability with high flash point
- Reduces wear caused by friction
- NSF registered category code H1
- Accepted for use in Canadian food processing facilities
- Metal and x-ray detectable plastic aerosol components



Model No.	Mfg. No.	Size	Price /Each
AD731	C06016	12 oz.	

CRC® 3-36® MULTI-PURPOSE LUBRICANT

- NSF Category Code: H2
- Multi-purpose lubricant that also serves as a penetrant and corrosion inhibitor
- Leaves a clear, thin and long-lasting film



Model No.	Mfg. No.	Size	Price /Each
YA180	73005	311 g	

CRC® CHAIN & WIRE ROPE LUBRICANT

- NSF Category Code: H2
- Blend of synthetic lubricants that penetrate deep and leave a tough protective film
- Extends the working life of chains and wire rope
- Reduces wear caused by corrosion and friction



Model No.	Mfg. No.	Size	Price /Each
MLN961	73050	283 g	

EXTREME DUTY GEAR LUBE

- Recommended for reducing friction and wear in harsh environments
- Resists to heat and pressure



Model No.	Mfg. No.	Size	Price /Each
AF267	73058	340 g	

DRY FILM PTFE MOLD RELEASE WITH KRYTOX®

- Made with DuPont® Krytox® dry film
- Non-silicone mould release
- Exceptional anti-stick properties that will not transfer to finished parts allowing for multiple releases per application
- Compatible with most mouldable resins, elastomeric compounds, urethanes and styrenes
- Will not attack rubber, paints or metals
- Recommended for low and high-temperature moulds up to 575°F
- For polystyrenes, polypropylenes, nylon, rubber, foams, metals, filament windings, polyurethanes, epoxy potting and encapsulating and phenolic resins
- NSF Certified



Model No.	Mfg. No.	Size	Price /Each
AA174	A00311	12 oz.	

BELT DRESSING

- Does not contain 1,1,1 or any harmful, chlorinated solvents that deteriorate drive belts
- Low odour
- Prevents belt slippage on flat, round and V-belts
- Fast evaporation
- Eliminates squeaks from slipping belts
- Resists wash-off
- Extends belt life and pulley bearing life
- Can be used in wet outdoor conditions
- Made of FDA compliant materials
- NSF registered category code H1
- Accepted for use in Canadian food processing facilities
- Metal and x-ray detectable plastic aerosol components



Model No.	Mfg. No.	Size	Price /Each
AA869	C02216	10 oz.	

YELLOW 77® WIRE PULLING LUBRICANT

- Wax-based formula provides superior lubricity
- Safe to use with most cable types except low-density polyethylene and semi-conducting jackets
- Clings to cable through long pulls
- Environmentally safe - non-toxic, non-flammable, non-corrosive
- Dries to a thin, non-conductive film that won't clog conduit



Model No.	Description	Price /Each
AB488	1 qt. Squeeze Bottle	
AB489	1 gal. Tub	

LONG TERM INDOOR PROTECTANT & LUBRICANT

- Non-staining, medium-weight oil formulated for long-term indoor protection
- Penetrates, displaces moisture and prevents rust
- Works up to 15 months against humidity and corrosion damage
- Leaves an amber film to identify coverage
- Contains no silicone or chlorinated solvents
- Safe to use on metals, rubber, and most plastic and painted surfaces
- Protects equipment stored indoors and items waiting to be shipped



Model No.	Mfg. No.	Size	Price /Each
AA228	A00767	11 oz.	

COLOR GUARD® TOUGH RUBBER COATING

- Inhibits rust and corrosion
- Seals, insulates, and identifies almost any material in minutes
- Creates a non-slip gripping surface
- Rubber coating won't crack or chip
- Acid and alkali resistant
- Lasts for years
- Use to 200°F
- For dip, spray, or brush
- For tools, metal, electrical connections, masonry, wood, conveyors, glass, rope, fabric
- Toluene-free



Model No.	Mfg. No.	Size	Colour	Price /Each
AC013	34979	14.5 oz.	Black	
AC014	34980	1 gal.	Black	
AC016	34982	14.5 oz.	Blue	
AC017	34983	1 gal.	Blue	
AC011	34985	14.5 oz.	Red	
AC012	34986	1 gal.	Red	
AC159	34988	14.5 oz.	Yellow	
AC015	34989	1 gal.	Yellow	

SF 7900™ CERAMIC SHIELD FOR WELDING

- Ceramic dry film protective coating for MIG/MAG welding processes
- Protects contact tips and welding nozzles by preventing adhesion of welding spatter
- Once applied the coating dries by solvent evaporation within 5 to 10 seconds at room temperature (Thicker films will need longer drying time)
- Ceramic, silicone-free protective coating, easy to apply
- Protects contact tips, welding nozzles and jigs, eliminating cost for cleaning equipment
- Reduces running costs for consumables by up to 40%
- Prevents adhesion of welding spatter for many hours with just one application
- Colour: White



Model No.	Mfg. No.	Size	Price /Each
AD492	1616692	9.5 oz.	

SF7607™ RUBBERIZED UNDERCOATING

- Heavy-duty undercoating seals, protects, and insulates
- Rubberized for maximum durability



Model No.	Mfg. No.	Size	Price /Each
AA635	30538	16 oz.	

RUST BREAKER™ PENETRANT

- Quickly loosens rust while penetrating grease and dirt
- Transparent, non-staining oil
- Light film displaces moisture and acts as a corrosion preventative
- Jet stream sprays up to two feet for safe, accurate application
- Flashpoint: 205°F
- Will not harm painted surfaces
- For releasing rusted or frozen lugs and bolts, lubricating tight-fitting parts, general overhaul, repair work, food plant equipment



Model No.	Mfg. No.	Size	Price /Each
AA113	A00103	10 oz.	

TKX ALL-PURPOSE LUBRICANT

- Non-flammable CO_2 propellant
- Displaces moisture
- High flash point of 175°F (79°C)
- Protects against corrosion
- Loosens rusted or frozen parts
- Does not contain chlorinated solvents or silicones
- Safe on most surfaces
- Inverta spray valve lets you spray in all directions
- NSF registered category code H2
- Provides non-drying long-lasting, oily film



Model No.	Mfg. No.	Size	Price /Each
AA846	C02016	11 oz.	
AD730	C02022	20 oz trigger	
AB490	C02028	1 gal.	
AB638	C02005	5 gal.	
AB639	C02055	55 gal.	

5-WAY PLUS™ PENETRANT

- Penetrates, lubricates, demoisturizes, cleans and prevents rust
- Inhibits corrosion and pitting of moulding dies and extension screws
- Frees rusted, frozen nuts and bolts
- Excellent for precision instruments
- Ideal for stainless steel and aluminum
- Displaces moisture in electrical apparatus, generators, motors
- Undercuts grit and grime on metal surfaces leaving a protective film



Model No.	Size	Price /Each
AA505	24 oz.	

LST PENETRANT

- Specially formulated with low surface tension for fast penetrating action
- Attacks rust and corrosion to free frozen parts
- Powerful foaming action provides complete surface coverage
- Displaces moisture
- Lubricates and protects metal surfaces
- Flash point of 175°F (79°C)
- Inverta spray valve lets you spray in all directions
- NSF registered category code H2



Model No.	Mfg. No.	Size	Price /Each
AA843	C01916	11 oz.	
AB635	C01928	1 gal.	

PENETRATING OIL

- Flashpoint: 60.6°C
- Slow evaporation rate
- A no-compromise penetrant that attacks corrosion to free corroded fasteners and mechanical components
- A super-fast, powerful, concentrated penetrating solvent that loosens and cleans
- Instantly penetrates tightly fitted crevices



Model No.	Mfg. No.	Size	Price /Each
YB991	73060	312 g	

KB 88 THE ULTIMATE PENETRANT

- Quickly releases rusted and corroded nuts, bolts, hinges and other frozen components
- Extremely high solvency, low surface tension
- Enhanced penetration and lubrication
- Outperforms the competition in independent lab tests
- Penetrates faster and deeper than most other similar products in the market place
- Inverta spray valve
- NSF registered category code H2
- VOC compliant



Model No.	Mfg. No.	Size	Price /Each
AD970	C02316	13 oz.	
AD297	C02322	20 oz. trigger	
AD971	C02301	1 gal.	
AD972	C02305	5 gal.	

WD-40

- Loosens rusted parts
- Displaces moisture
- Non-conductor, dries out electrical and electronic equipment
- Stops squeaks
- Lubricates and protects against moisture and corrosive
- Operating temperature: -50°F to 300°F
- Minimum flash point 110°F open cup



Model No.	Size	Price /Each
NA611	11 oz. aerosol	
NA609	4 L	
NA608	Spray bottle empty	

BOLT-OUT™

- Penetrates then lubricates
- Faster disassembly with less effort
- Inhibits further rust
- Displaces moisture
- No chlorinated solvents
- Non-flammable liquid formula
- Effective at wide temperature range



Model No.	Mfg. No.	Size	Price /Each
YC429	53-D 892	400 ml	
AC310	53-D 893	500 ml trigger	
AA479	53-D 897	20 L	
AC311	53-D 898	200 L	

SCREWLOOSE™ INDUSTRIAL PENETRATING OIL

- Maximum Working Temperature: 141°F (61°C)
- Ideal for rusted and frozen metals
- Can also be used as a multi-purpose lubricant



Model No.	Mfg. No.	Size	Price /Each
AF244	75330	312 g	

LPS 3® HEAVY-DUTY INHIBITORS



- Protects up to two years
- Stops rust and corrosion
- Provides non-sling lubrication
- Non-flammable propellant
- Self-healing, waxy film
- Provides anti-seize coating
- Safe to use on rubber, fabric, plastics and paints
- Meets or exceeds these specs: Boeing BMS-3 23F Type II, MIL-C-0083933A, para.3.2-3.16 , MIL-C-16173D Grade 2 Class I, DMS 2150, Airbus TN A. 007.10138 Type I Grade 2
- Accepted for use in Canadian food processing facilities

Model No.	Mfg. No.	Size	Price /Each
AA808	C00316	11 oz.	
AB559	C00322	20-oz. trigger	
AB558	C03128	1 gal.	
AB556	C00305	5 gal.	
AB557	C00355	55 gal.	

EVAPO-RUST™ RUST REMOVERS



- Removes rust quickly without scrubbing
- Dipping process
- Non-toxic, non-corrosive, non-flammable
- VOC free
- Water-soluble, biodegradable, safe on skin
- Contains no acids, bases or solvents
- Will not harm unrusted metals

Model No.	Mfg. No.	Size	Price /Each
AD049	ER1	1 L	
AD050	ER4	3.78 L	
AD051	ER20	18.9 L	
AD052	ER205	205 L	

WD-40® SPECIALIST™ RUST RELEASE PENETRANT



- Penetrates deep into crevices, threads and seams to break the bonds that hold stuck parts together
- Ideal for use on nuts, bolts, threads and locks
- Leaves behind a protective layer and helps prevent rust and corrosion from re-forming
- Quickly goes to work on rusted nuts, bolts, threads, locks and chains

Model No.	Mfg. No.	Size	Price /Each
AF171	01078	311 g	

BRIGHT COAT COLD GALVANIZE CORROSION INHIBITORS



- Shiny zinc coating
- Prevents rust and corrosion on all metals
- Restores hot dip galvanizing
- Dries to touch in 15 to 30 minutes
- Repairs rusted, galvanized and welded surfaces
- Electrochemically protects bare metal
- Heat resistant, flexible coating
- Will not yellow, chalk, crack or peel

Model No.	Mfg. No.	Size	Price /Each
AB485	C05916	13 oz.	

ZINC MATE™ INSTANT COLD GALVANIZED COATING



- Flashpoint: -19°C
- Fast evaporation rate
- Working Temperature: 54.4°C (Continuous) and 65.6°C (Intermittent)
- High performance coating of >93% pure zinc that electrochemically bonds with ferrous metals to form a galvanic cell
- Actively fights rust and corrosion
- Use as a touch-up for damaged galvanized coatings

Model No.	Mfg. No.	Size	Price /Each
YA185	73054	369 g	

SP-400™ CORROSION INHIBITOR



- Long-term indoor/outdoor corrosion inhibitor that provides protection of all equipment subject to heat, humidity, chemicals or severely corrosive atmospheres
- Ideal on machined surfaces and assemblies subjected to long periods of storage

Model No.	Mfg. No.	Size	Price /Each
AF108	73282	284 g	

BIO-RUST NEUTRAL PH RUST REMOVERS



- Removes rust and other metallic particles
- VOC free, solvent free, non-flammable, pH neutral solution biodegradeable
- Not controlled under WHMIS
- Non-corrosive rust remover
- High workload - can remove 1.5 kg (3.3 lbs.) of iron oxide per 20 L
- For use with iron and mild steel
- Deeply rusted parts may require longer soaking time
- After application of Bio-Rust, rinse parts in water to remove loosened contaminants
- After removing rust, dip pack into fresh bath or Bio-Rust to provide short term corrosion protection
- It is recommended to degrease part before using Bio-Rust
- Bio-Rust is designed for immersion applications only
- Immerse parts in Bio-Rust at room temperature and let react for at least 30 minutes

Model No.	Mfg. No.	Size Litres	Size Gallons	Price /Each
AD441	53-G 247	20	5.2	
AD442	53-G248	208	55	

COLD GALVANISED CORROSION INHIBITORS



- 95% zinc-rich galvanised coating
- Commonly used as a flash rust preventative on welded areas
- Works like a hot-dip on ferrous metals indoors and out
- Three-year protection
- Withstands water temperature up to 212°F (100°C) and continuous dry heat up to 750°F (400°C)
- Flexible coating will not yellow, chalk, crack or peel
- Electrochemically protect bare metal
- Meets or exceeds these specs: MIL-P-46105 Weld Through Primer, Passes Preece Test for Hot-Dip Galvanizing

Model No.	Mfg. No.	Size	Price /Each
AA807	C00516	14-oz.	
AB552	C05128	1 gal.	

EXTEND® RUST TREATMENTS



- Goes on white and converts rust to a durable, black, metal-protective coating in 10 minutes
- Wirebrush parts and apply with brush or spray
- Surface rust must be present
- Use as a primer or finish coat
- Resists temperatures to 250°F intermittent, 200°F continuous
- Approved by the American Bureau of Shipping

Model No.	Mfg. No.	Size	Price /Each
AA633	75430	1 qt.	
AA634	75448	1 gal.	
AC110	75465	5 gal.	

MAGIC OIL™ LOCK LUBE & DE-ICER

- Graphite formula lubricates seized and frozen locks for long-lasting, smooth operation
- Nozzle allows for easy application directly in keyhole



Model No.	Mfg. No.	Size	Price /Each
AF440	74119	42.5 g	

ICE-OFF™ WINDSHIELD SPRAY DE-ICER

- Ideal for melting ice, snow and frost on contact
- Does not harm car finish
- Thaws frozen locks



Model No.	Mfg. No.	Size	Price /Each
AF119	75346	340 g	

BRAKLEEN® BRAKE PARTS CLEANER

- Premium non-chlorinated brake parts cleaner that utlizes Powerjet® technology
- The spray nozzle produces a burst of product that forcefully breaks away contaminants, while the formula cleans and degreases instantly
- Dries rapidly



Model No.	Mfg. No.	Size	Price /Each
MLP159	75088	397 g	
AF126	75391	5 gal.	

BATTERY TERMINAL PROTECTOR

- Dark Red Viscous Liquid
- Plastic Safe: Yes
- Flashpoint: Less than -18°C
- Specially designed to protect battery terminals from corrosion, a leading cause of hard starting and battery failure
- Provides a lead-free soft protective coating



Model No.	Mfg. No.	Size	Price /Each
AE952	75046	213 g	

RUBBERIZED SPRAY UNDERCOATING

- Black Viscous Material
- Plastic Safe: No
- Flashpoint: 7°C
- Provides a tough, flexible shield against moisture, salt and road debris
- Dries quickly and is exceptionally resistant to abrasion



Model No.	Mfg. No.	Size	Price /Each
MLT298	75034	454 g	

CLEAN-R-CARB® CARBURETOR CLEANERS

- Plastic Safe: No
- Flashpoint: -18°C
- Fast evaporation rate
- Designed to maximize carburetor performance
- Quickly dissolves carburetor deposits such as gum, sludge and varnish to improve fuel system performance and enhance fuel economy



Model No.	Mfg. No.	Size	Price /Each
MLP103	75081	454 g	

BATTERY CLEANER W/ACID INDICATOR

- Yellow Foam
- Plastic Safe
- Slow evaporation rate
- Instantly detects leaks and neutralizes acid
- Removes corrosion by-products
- Just spray on and rinse off



Model No.	Mfg. No.	Size	Price /Each
MLP160	75097	312 g	

GASKET KLEEN™

- Plastic Safe: No
- Flashpoint: 13°C
- Fast evaporation rate
- Used for the removal of conventional and formed in place gaskets on motors, pumps and flanges



Model No.	Mfg. No.	Size	Price /Each
MLP071	75021	340 g	

DIESEL FUEL THERAPY™ - DIESEL INJECTOR CLEANER W/ANTI-GEL

- Dark Amber Liquid
- Plastic Safe: No
- Flashpoint: 57°C
- Emissions reducing formula that is rated "SUPERIOR" in Cummins L-10 Test for injector cleanliness
- Lowers pour point & CFPP, reliquifies gelled fuel, adds lubricity, increases power and MPG



Model No.	Mfg. No.	Size	Price /Each
MLN925	75212	888 ml	

BRAKLEEN® BRAKE PARTS CLEANER

- Plastic Safe: No
- Flashpoint: None
- Very fast evaporation rate
- Base Type: Chlorinated
- The original brake parts cleaner
- Formulated to quickly & effectively remove grease, brake dust, brake fluids, oils, and other contaminants from brake parts, lining, and pads



Model No.	Mfg. No.	Size	Price /Each
MLP234	75089	539 g	
MLN591	75090	3.79 L	

SENSORKLEEN™ MASS AIR FLOW SENSOR CLEANER

- Cleaner that was specifically developed to clean mass air flow sensors
- Increases horsepower and improves air/fuel ratio and MPG
- Plastic safe
- Dries in seconds



CRC

Model No.	Mfg No.	Container Size	Price /Each
AF118	75110	312 g	

THROTTLE BODY KLEEN™ AIR INTAKE CLEANER

- Cleans gum and varnish from the throttle valves and throttle body for easier starting and smoother engine performance



CRC

Model No.	Mfg No.	Container Size	Price /Each
AF117	75078	340 g	

CRC® GDI IVD™ INTAKE VALVE & TURBO CLEANER

- Delivers advanced PEA detergency directly to the backs of GDI intake valves
- Removes up to 46% of carbon deposits on intake valves within 60 minutes
- Safe on all gas-powered engines including turbos
- Increases power and torque
- Reduces emissions
- Improves fuel economy



CRC

Model No.	Mfg No.	Container Size	Price /Each
AF439	7530X6	311 g	

JUMP START® STARTING FLUID

- Assures fast and economical starts in cold or humid conditions
- For use in both gasoline and diesel engines



CRC

Model No.	Mfg No.	Container Size	Price /Each
AF260	75671	312 g	

TANNERY® LEATHER & VINYL CARE CLEANER

- Ideal for use on leather products
- Effective for home, farm, auto recreation and marine applications
- Silicone free and great for cleaning leather between conditioning treatments



CRC

Model No.	Mfg No.	Container Size	Price /Each
AF110	74171	283 g	

CRC® DISC BRAKE QUIET

- Forms a water-resistant film that absorbs noise while reducing squeaks and squeals
- For use on the back of non-shimmed disc pads
- Container Type: Bottle
- Appearance: Red paste



CRC

Model No.	Mfg No.	Format	Price /Each
AF371	75016	118 ml	

QUICK FLOW™ EMERGENCY DIESEL-GEL RELIEF

- Reliquefies gelled fuel in minutes
- Totally disperses water and lowers pout point by as much as 35°F
- Prevents future gelling
- Can be used for biodiesel



CRC

Model No.	Mfg No.	Format	Price /Each
AF124	75911	32 oz	

DIESEL FUEL ANTI-GEL

- Improves flowability of diesel fuel in cold weather
- For use on diesel engines



CRC

Model No.	Mfg No.	Format	Price /Each
AF257	75221	355 ml	

PHASEGUARD™ ULTIMATE ETHANOL FUEL TREATMENT & STABILIZER

- Used in all gas powered 2 and 4 cycle engines to protect against the harmful effects of ethanol
- Prevents phase separation, protects against corrosion, cleans the fuel system, stabilizes fuel and restores power



CRC

Model No.	Mfg No.	Format	Price /Each
AF111	74142	474 ml	

AIR TOOL OIL

- Preserves and maintains internal seals and mechanisms present in most hand-held air tools
- Lubricates under high pressure to fine tolerances
- Resists moisture induced corrosion, maximizing the service life and performance of your air tools
- Contains no silicone



Lloyds

Model No.	Size	Price /Each
AA091	8 oz. poly bottle	
AA090	4 L jug	

AEROSOLV™ CAN PUNCTURING SYSTEM

A safe and economical means to empty and dispose of aerosol cans. Easy-to-use, hand-operated, no power source necessary. Handle moves a puncture pin through a fluid-tight chamber and pierces can; no worker contact required.

Unique carbon filter coalesces VOC's in filter reservoir. Residual contents safely collected in drum.

- Excellent savings on hazardous waste disposal costs
- Punctured cans may be recycled as scrap metal
- Residual liquids collected in drum may be eligible for reclamation through a hazardous waste handler, resulting in waste minimization credit
- Accommodates cans in wide assortment of shapes and sizes
- Puncture pin designed for long-term use; no visible wear after puncturing 10,000 cans
- For use with any 20-30 or 55-gallon drum

AA155 - Aerosolv™ Venting System consists of one puncturing unit, one filter and one anti-static wire which is required under several federal and local codes.

AA153 - Two-stage coalescing filter with replaceable carbon cartridge.

AA154 - Replacement carbon cartridge.

Model No. AA155 Price/Each $
Model No. AA153 Price/Each $
Model No. AA154 Price/Each $



Sprayon

BATTERY EQUALIZERS

- Restorative fluid doubles the life of any voltage lead/acid battery
- Save 25% on recharge time
- For use on lift truck and golf cart fleets and many more



BATTERY EQUALISER

Model No.	Size	Price /Each
AA893	500 ml	
AB476	4 L	

BATTERY ACID NEUTRALIZER

- Safely neutralizes sulphuric acid spills on skin, clothing and battery box
- Spray battery box regularly to keep terminals and battery clean



kleen-flo

Model No.	Size	Price /Each
AA773	198 g	

Ask us about volume prices!

In many cases you will benefit from quantity prices.



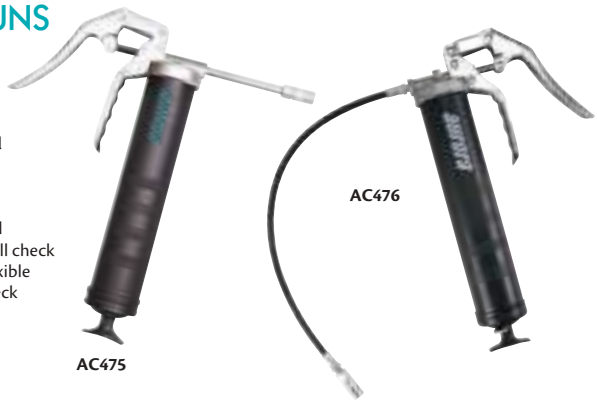
PISTOL GREASE GUNS

HEAVY-DUTY

- Designed for use in general confined spaces or where access to grease nipples is restricted
- Heavy-duty die cast grease gun head
- Develops 5000 PSI
- Capacity: 14 oz (400 g) grease cartridge or suction fill
- **AC475** comes complete with 4" steel extension and 4-jaw coupler with ball check
- **AC476** comes complete with 18" flexible hose and 4-jaw coupler with ball check

Model No. AC475
Price/Each $

Model No. AC476
Price/Each $



aurora tools

FOR OUR COMPLETE LINE OF GREASE GUNS, SEE PAGES 998-999

THERMAPLEX® MULTI-PURPOSE BEARING GREASE

- Excellent load carrying properties
- Prolongs bearing life
- Ideal for lubricating all types of bearings
- Blue coloured paste
- Petroleum odour
- Temperature range: -22°F (-30°C) to 350°F (177°C)
- Dropping point: 429°F (220°C)
- NLGI Grade: No. 2
- Lithium complex



Model No.	Mfg. No.	Size	Price /Each
AA847	C70614	400 g	
AB620	C70606	5 gal.	

THERMAPLEX® AQUA BEARING GREASE

- Resists water washout
- Excellent corrosion resistance
- Significant load carrying capability
- Greater degree of bearing protection
- Amber coloured paste
- Petroleum odour
- Temperature range: -4°F (-20°C) to 302°F (150°C)
- Dropping point: 500°F (260°C)
- NLGI Grade: No. 2
- Aluminum complex



Model No.	Mfg. No.	Size	Price /Each
AA851	C70514	400 g	

THERMAPLEX® HI-LOAD BEARING GREASE

- Withstands shock loading
- Reduces wear from vibration
- Excellent anti-wear properties
- Wide operating temperature range
- Blue/black colour paste
- Lithium complex
- Petroleum odour
- Moly-fortified for extreme applications
- Temperature range: -22°F (-30°C) to 350°F (177°C)
- Dropping point: 429°F (220°C)
- NLGI Grade: No. 2



Model No.	Mfg. No.	Size	Price /Each
AA850	C70414	400 g	
AB614	C70406	5 gal.	

THERMAPLEX® FOODLUBE BEARING GREASE

- Metal & X-ray detectable plastic component
- Ensures safety in areas where incidental food contact may occur
- Does not contain, solvents or silicone
- Non-staining and non-emulsifying
- White coloured paste
- Mild odour
- Aluminum complex
- Temperature range: -4°F (-20°C) to 302°F (150°C)
- Dropping point: 500°F (260°C)
- NLGI Grade: No. 2
- Made of FDA compliant materials
- NSF registered category code H1
- Accepted for use in Canadian food processing facilities



Model No.	Mfg. No.	Size	Price /Each
AA852	C70114	400 g	
AB611	C70106	5 gal.	

THERMAPLEX® HI-TEMP BEARING GREASE

- Resists carbonization at high temperatures
- Extends relubrication intervals
- Reduces risk of bearing failure at high temperature
- Ensures optimal production rates
- Smooth, brown paste
- Petroleum odour
- Lithium complex
- Temperature range: -15°F (-26°C) to 392°F (200°C)
- Dropping point: 536°F (280°C)
- NLGI Grade: No. 2



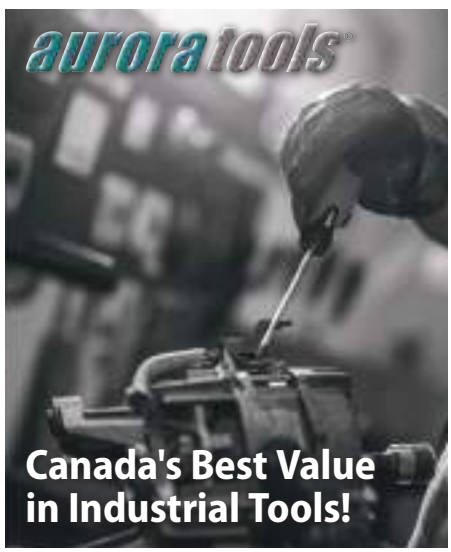
Model No.	Mfg. No.	Size	Price /Each
AA848	C70214	400 g	
AB617	C70206	5 gal.	

THERMAPLEX® CS MOLY BEARING GREASE

- Excellent oxidation stability, adhesive and cohesive properties and corrosion resistance
- Exceptional water resistance
- Premium performance
- Calcium sulfonate grease
- Contains molybdenum disulfide
- Reduces wear from vibration
- High load carrying capacity
- Prolongs bearing life
- Wide operating temperature range: 0°F to 425°F (-18°C to 218°C)
- Extends re-lubrication intervals for bearings
- NLGI No. 2
- NSF registered category code H2



Model No.	Mfg. No.	Size	Price /Each
AD179	C70814	400 g	
AD180	C70806	35 lbs.	



RED & REDI MULTI-PURPOSE RED GREASE

- Delivers excellent lubrication
- Prevents rust, corrosion and oxidation
- Remains effective at extremely high temperatures
- Reduces friction and vibration
- Resists shock
- Red colour allows easy visual inspection
- Penetrates quickly
- Non-melting



LPS

Model No.	Mfg. No.	Size	Price /Each
AA873	C05816	11 oz.	

WHITE LITHIUM GREASE W/PTFE

- Rapidly forms into a pure white grease
- Heat and water resistant
- Produces a long lasting, protective film against rust and corrosion
- White colour allows easy visual inspection
- Does not contain any chlorinated solvents
- Accepted for use in Canadian food processing facilities



LPS

Model No.	Mfg. No.	Size	Price /Each
AA914	C03816	10 oz.	

WHITE LITHIUM GREASE

- Inhibits corrosion on unpainted metal surfaces
- High-solids, non-staining white grease
- Excellent for metal-to-metal applications
- Will not drip or run on vertical surfaces
- Effective from -20°F to 275°F
- For chains, gears, drives, hinges and other vertical or overhead surfaces
- Recommended for use on knock-out pins on mould equipment
- NSF registered category code H2



Sprayon

Model No.	Mfg. No.	Size	Price /Each
AA103	A00100	11 oz.	

VIPERLUBE™ HIGH PERFORMANCE SYNTHETIC GREASE

- Grease provides superior protection against equipment exposed to a wide range of operating temperatures and environments
- Use as a lubricant and protective anti-rust film on bearings, machine parts, equipment, or as a release agent on gaskets and seals
- Temperature resistance: 400°F (204°C) continuous
- NLGI Grade: 2/Severe Duty GC-LB
- NSF registered category code H1
- Accepted for use in Canadian food processing facilities



LOCTITE

Model No.	Mfg. No.	Size	Price /Each
AB505	36781	3 oz.	
AB508	36782	14 oz.	
AB507	36783	400 g.	
AE853	1906102	10.1 oz.	
AB509	37061	30 lbs.	

DIELECTRIC GREASE

- Moisture proof barrier that lubricates and protects electrical equipment from salt, dirt, and corrosion
- High dielectric strength
- Good thermal, oxidation and chemical stability
- Temperature resistance: 400°F (204°C) continuous



LOCTITE

Model No.	Mfg. No.	Size	Price /Each
AC365	30536	0.33 oz.	

WHITE LITHIUM GREASE

- For metal-to-metal and metal-to-plastic applications
- Corrosion protection
- No ODC's
- Temperature resistance: 380°F (193°C) dropping point



LOCTITE

Model No.	Mfg. No.	Size	Price /Each
AA611	30530	1.5 oz. tube	
AE854	1906122	10.75 oz. Aerosol	

CLEAR PENETRATING GREASE

- Protects against corrosion
- Resists water washout
- Quick penetrating action
- High tack
- Metal detectable plastic components-DETEX™



LPS

Model No.	Mfg. No.	Size	Price /Each
AD479	C06716	11 oz.	

MULTI-PURPOSE CONCRETE REPAIR & ADHESIVE

- Excellent for bridging horizontal or vertical cracks, even under water
- Twice as strong as concrete
- Works on concrete, masonry, brick, steel and more
- For indoor or outdoor use
- Colour: Light Gray



RUST-OLEUM

Model No.	Mfg. No.	Size	Price /Each
KP497	257395	9 oz.	
KP498	257397	Replacement Static Mixers - 3 Pack	

TURBOKRETE CONCRETE PATCH COMPOUND KITS

- Easily repair deep holes and cracks
- 100%-solids epoxy patch kit is designed for floors exposed to heavy traffic and intermittent chemicals
- Protects against abrasion, impact and most chemicals—no sealer required
- Creates an extremely hard surface—3-4 times stronger than concrete
- For interior/exterior use on damaged or severely spalled floors, curbs, ramps, etc.
- Odorless
- Easy-mix kit includes base, activator and aggregate
- Colour: Light Gray



RUST-OLEUM

Model No.	Mfg. No.	Size	Price /Each
KP495	253479	2 gal.	
KP496	5494323	3.5 gal.	

BIG FOOT™ PRIMER/SEALER

- Specially formulated to increase adhesion and coverage of all Big Foot™ Anti-Slip Coatings except Acrylic Pedestrian Grade and Glow Coat
- For use on concrete, wood, tile, and other porous substrates
- Water-based
- 320 sq. ft. coverage
- Maximum temperature 140°F
- 120 minutes working time
- 3-6 hours, functional cure



LOCTITE

Model No.	Mfg. No.	Size	Colour	Price /Each
AA609	1617851	1 gal.	Clear	

BIG FOOT™ VEHICULAR GRADE

- Withstands even the heaviest rolling equipment traffic
- Resists liquids as harsh as jet fuels and hydraulic fluids
- Superior adhesion forms a solid bond to metal, concrete, and wood
- 40 sq. ft. coverage per gal.
- Max. temperature 140°F
- 120 minutes working time
- 12/72 hours, functional cure



LOCTITE

Model No.	Mfg. No.	Size	Colour	Price /Each
AA605	1602678	1 gal.	Black	

BIG FOOT™ ANTI-SLIP FLOOR COATINGS

HEAVY-DUTY PEDESTRIAN GRADE

- Fire retardant when cured
- For areas with heavy pedestrian or light rolling traffic
- Ideal for ramps, walkways, locker rooms, stairs, and assembly areas
- 50 sq. ft. coverage per gal.
- Max. temperature 140°F
- 12/72 hours, functional cure



LOCTITE

Model No.	Mfg. No.	Size	Colour	Price /Each
AA603	1602679	1 gal.	Black	
AA604	1602121	1 gal.	Grey	
AF069	1592315	1 gal.	Yellow	

FIXMASTER® MAGNA-CRETE®

- Two-component, rapid setting concrete repair and grouting system
- Chemically resistant to most common liquids and chemicals
- For concrete, wood, glass, steel, and other construction materials
- 4.8 sq. ft. coverage
- Pourable
- Max temperature 2000°F
- 15 minutes working time
- 1-2 hours, functional cure
- Accepted for use in Canadian food processing facilities



LOCTITE

Model No.	Mfg. No.	Size	Colour	Price /Each
AA748	95551	1 gal.	Grey	
AD917	95555	5 gal.	Grey	

FIXMASTER® DEEP POUR GROUT

- Aggregate-filled, epoxy system for pours up to 6" deep
- For self-leveling applications under rails and sole plates
- Bonds to steel, concrete, and itself
- Withstands high torque loading
- 660 cu.in. of coverage
- Pourable
- Maximum temperature 225°F
- 30 minutes working time
- 24 hours, functional cure
- Accepted for use in Canadian food processing facilities



LOCTITE

Model No.	Mfg. No.	Size	Colour	Price /Each
AA745	99545	5 gal.	Black	

LOCTITE® FIXMASTER® MAGNA-GROUT™

- A two-component, rapid-setting concrete repair and grouting system with same properties as the Magna-Crete™ but containing smaller aggregate so that the mixed material can be poured thinner for resurfacing applications and feather edging.



LOCTITE

Model No.	Mfg. No.	Size	Price /Each
AE625	1477097	1 gal.	
AE626	1476710	5 gal.	

ACRYLIC URETHANE FLOOR PAINT

- Convenient, high-gloss, water-based coating is ideal for use in mild industrial or commercial setting
- Protects concrete floors from dusting, water damage, staining and mildew
- Paint and go—no measuring or mixing; minimal surface prep
- Dries fast—accepts next-day foot traffic
- Finish: High Gloss



RUST-OLEUM

Model No.	Mfg. No.	Size	Colour	Price /Each
KP490	251286	1 gal.	Safety Yellow	
KP491	251291	1 gal.	Silver Grey	
KP492	251293	5 gal.	Silver Grey	

FIXMASTER® FLOOR FILL

- Trowelable
- For repairing and resurfacing cracks in concrete floors
- Bonds to old and new concrete and provides greater strength and chemical resistance
- 133 cu.in. of coverage
- Semi-pourable
- Max temperature 225°F
- 40 minutes working time
- 24 hours, functional cure



LOCTITE

Model No.	Mfg. No.	Size	Colour	Price /Each
AC362	99361	10 lbs.	Grey	
AA747	99365	40 lbs.	Grey	

WATER-BASED SINGLE COMPONENT ACRYLIC FLOOR COATING

- General purpose
- 100% acrylic
- Low odour
- For exterior/interior use
- Dries rapidly to a tough, alkali resistant finish which will withstand hard wear, abrasion, grease, oils, and cleaning equipment
- For use over prepared concrete and wood floors, steps, stairwells, aisleways, or previously painted floor surfaces in sound condition
- Not recommended for areas subject to hot tire pickup



KRYLON INDUSTRIAL

Model No.	Size	Colour	Price /Each
AC603	1 gal.	Grey	
AC606	5 gal.	Grey	

SPOTCHECK® AEROSOLS

SKL-SP1 SPOTCHECK® PENETRANT

- Post emulsifiable penetrant
- Most widely used, general purpose
- Solvent removable

SKD-S2 SPOTCHECK® DEVELOPER

- Non-chlorinated solvent developer
- Meets major requirements for special alloy and nuclear applications

SKC-S SPOTCHECK® CLEANER

- Non-chlorinated cleaner/remover
- Recommended general purpose
- Meets major requirements for special alloy and nuclear applications



MAGNAFLUX®

Model No.	Mfg. No.	Description	Price /Each
NP701	01-5149-68	SKL-SP1 Penetrant	
NP702	01-5352-68	SKD-S2 Developer	
NP703	01-5750-68	SKC-S Cleaner	

FORM-A-THREAD®

STRIPPED THREAD REPAIR KIT

- Permanently repairs stripped threads and fasteners in 5 minutes
- Allows up to 128 lbs. of torque
- Operating temperature between -65°F & 300°F
- Accepted for use in Canadian food processing facilities



LOCTITE®

Model No.	Mfg. No.	Size	Price /Each
AA458	28654	4.8 ml	

PIPE REPAIR KITS

- Urethane impregnated fibreglass tape, activated by water, for reliable, temporary repairs of metal, plastic, and composite pipes
- Cures in 30 minutes
- Includes: Loctite® Fixmaster® Metal Magic Steel™ epoxy stick, urethane impregnated fibreglass tape, and gloves
- Accepted for use in Canadian food processing facilities



LOCTITE®

Model No.	Mfg. No.	Size	Price /Each
AA641	96321	2" x 6' tape	

FIXMASTER® STEEL PUTTY

- Steel filled, non-sagging, two-part epoxy that cures to a metal-like finish for rebuilding or repairing metal parts
- 0.3 sq.ft. coverage, at 1/4" thickness
- 225°F maximum operating temperature
- 4900 PSI tensile strength
- 30 minutes working time
- Functional cure in 6 hours
- Accepted for use in Canadian food processing facilities
- Colour: Grey



LOCTITE®

Model No.	Mfg. No.	Size	Price /Each
AC341	99913	1 lb. kit	

FIXMASTER® ALUMINUM PUTTY

- Rebuilds and repairs aluminum equipment, forming a non-rusting finish
- 0.5 sq.ft. coverage, at 1/4" thickness
- 225°F maximum operating temperature
- 4000 PSI tensile strength
- 20 minutes working time
- Functional cure in 6 hours
- Accepted for use in Canadian food processing facilities
- Colour: Aluminum



LOCTITE®

Model No.	Mfg. No.	Size	Price /Each
AC334	97463	1 lb. kit	

FIXMASTER® STAINLESS STEEL PUTTY

- Forms a non-rusting, very hard, durable finish on damaged stainless steel surfaces
- 0.25 sq.ft. coverage, at 1/4" thickness
- 225°F maximum operating temperature
- 4600 PSI tensile strength
- 20 minutes working time
- Functional cure in 6 hours
- Accepted for use in Canadian food processing facilities
- Colour: Grey



LOCTITE®

Model No.	Mfg. No.	Size	Price /Each
AC332	97443	1 lb. kit	



FIXMASTER® STEEL LIQUID

- Steel filled
- Pourable and self-leveling
- Recommended for casting into hard to reach areas, anchoring and leveling, and forming moulds and fixtures
- 13 in.^{3} coverage, at 1/4" thickness
- 225°F maximum operating temperature
- 6000 PSI tensile strength
- 25 minutes working time
- Functional cure in 6 hours
- Accepted for use in Canadian food processing facilities
- Colour: Grey



LOCTITE

Model No.	Mfg. No.	Size	Price /Each
AC340	97483	1 lb. kit	

FIXMASTER® ALUMINUM LIQUID

- Two-part, pourable epoxy system heavily reinforced with aluminum powder
- For casting and repairing of aluminum parts, and for making molds and fixtures
- 17 in.^{3} coverage, at 1/4" thickness
- 200°F maximum operating temperature
- 6000 PSI tensile strength
- 20 minutes working time
- Functional cure in 6 hours
- Accepted for use in Canadian food processing facilities
- Colour: Aluminum



LOCTITE

Model No.	Mfg. No.	Size	Price /Each
AC333	97453	1 lb. kit	

FIXMASTER® FAST CURE POXY PAK™ EPOXY

- Bonds virtually any material to repair, fill, and seal holes, cracks, and worn surfaces
- 300°F temperature resistance
- 2300 PSI adhesive tensile shear
- 1 minute working time
- Fixtures in 4-6 minutes
- Full cure in 1 hour
- Colour: Clear



LOCTITE

Model No.	Mfg. No.	Size	Price /Each
AA739	1324007	1 oz.	

FIXMASTER® FAST CURE EPOXY MIXER CUPS

- Excellent chemical resistance
- Fills porosities and can be used to build up worn parts
- For bonding glass, hard plastics, rubber, and metal
- 180°F temperature resistance
- 2000 PSI adhesive tensile shear
- 5 minutes working time
- Fixtures in 10 minutes
- Full cure in 12 hours
- Colour: Grey



LOCTITE

Model No.	Mfg. No.	Size	Price /Each
AC124	21425	10 x 4 g	
AC125	21426	10 x 1 oz.	
AB951	39088	4 x 4 g	

LOCTITE® 2000 PUTTIES

- Tensil Strength on Grit Blasted Steel: 675 PSI
- A self-leveling aluminum liquid that can be poured into molds and cavities
- Recommended for casting aluminum replacement parts and for making molds
- Is paintable and sandable



LOCTITE

Model No.	Mfg. No.	Size	Price /Each
AB739	95724	8 oz.	

FIXMASTER® FAST SET STEEL PUTTY

- Faster setting version of the Loctite® Fixmaster® steel putty
- Sets in 3 minutes
- Accepted for use in Canadian food processing facilities



LOCTITE

Model No.	Mfg. No.	Size	Price /Each
AD012	39917	1 lb.	

LOCTITE® FIXMASTER® METAL MAGIC STEEL™

- Kneadable, two-part paste
- Working time: 3 minutes
- Sets in 10 minutes
- Adheres to damp surfaces
- Can be drilled, filed and painted
- Ideal for emergency sealing of leaking tanks and pipes
- Smooths welds, repairs small cracks in castings and fills oversized bolt holes
- NSF/ANSI 61 certified



LOCTITE

Model No.	Mfg. No.	Size	Price /Each
AD915	98853	4 oz.	

LOCTITE® FIXMASTER® CONCRETE REPAIR EPOXY

- Enables permanent repairs to concrete and masonry
- Convenient stick contains premeasured portions of activator and base
- Once cured, it can be tapped, drilled, screwed, sawed, filed or painted and will have an appearance and texture similar to concrete



LOCTITE

Model No.	Mfg. No.	Size	Price /Each
AB953	39366	4 oz.	

LOCTITE® FIXMASTER® UNDERWATER REPAIR EPOXY™

- Two-component, room temperature curing epoxy adhesive used for high strength, permanent bonding of metals, ceramics, concrete, wood and most plastics
- Can withstand temperatures of up to 150°C (300°F)
- Works on both wet and dry surfaces and sets up and cures underwater
- Putty like material is ideal for plumbing, irrigation and marine applications because it is unaffected by chlorinated or salt water
- Typical applications include plugging and filling gaps, leaks and holes in pipes, fitting tanks, valves and pumps
- Accepted for use in Canadian food processing facilities



LOCTITE

Model No.	Mfg. No.	Size	Price /Each
AE628	82093	4 oz.	

ABS PREMIUM CEMENT

- Medium-bodied yellow coloured cement for ABS pipe and fittings up to 6" diameter
- For all types and grades of ABS pipe and fittings for DWV
- For all non-pressure applications
- Recommended application temperature: 40°F to 100°F
- Meets ASTM D-2235
- CSA approved



Model No.	Description	Size	Price /Each
AB417	ABS Premium Cement Yellow	473 ml	
AB418	ABS Premium Cement Yellow	946 ml	

ABS STANDARD CEMENT

- Medium-bodied yellow coloured cement for use on ABS pipe and fittings up to 6" diameter
- For all non-pressure applications
- For all types and grades of ABS pipe and fittings for DWV
- Meets ASTM D-2235
- CSA approved



Model No.	Description	Size	Price /Each
AB419	ABS Standard Cement Yellow	473 ml	
AB420	ABS Standard Cement Yellow	946 ml	

PVC HEAVY-DUTY GREY CEMENT

- Heavy-bodied grey coloured cement for use on PVC pipe and fittings up to 12" diameter for Sch. 40 and Sch. 80
- Thick formula fills gaps in large diameter pipe and fittings
- Recommended for all grades and types of PVC pipe and fittings, potable water, pressure pipe, gas, conduit and DWV
- Recommended application temperature 40°F to 100°F
- Meets ASTM D-2564
- CSA approved



Model No.	Description	Size	Price /Each
AB423	PVC Heavy-Duty Grey	473 ml	
AB424	PVC Heavy-Duty Grey	946 ml	

PVC MEDIUM-DUTY GREY CEMENT

- Medium-bodied grey coloured cement for use on PVC pipe and fittings up to 6" diameter for Sch. 40 and Sch. 80
- Recommended for all grades and types of PVC pipe and fittings, potable water, pressure pipe, gas, conduit and DWV
- Recommended application temperature: 40°F to 100°F
- Meets ASTM D-2564
- CSA approved



Model No.	Description	Size	Price /Each
AB421	PVC Medium Grey	473 ml	
AB422	PVC Medium Grey	946 ml	

PLUMBER'S PUTTY

- Stainless fixture setting compound for setting frames, faucets, strainer baskets, etc.
- Stays flexible and will not crack or shrink
- Soft pliable material is easy to work with
- Not for use on marble or plastic
- Meets Military Spec. TT-P-1536A



Model No.	Description	Size	Price /Each
AB436	Putty – Plastic Container	14 oz.	

CLEAR PRIMER

- A clear aggressive primer for use on PVC and CPVC pipe and fittings
- All schedules and all diameters
- Removes all surface dirt, grease and grime as well as softens pipe in preparation for solvent cement
- Meets ASTM F-656



Model No.	Description	Size	Price /Each
AB434	Clear Primer – NSF Listed	473 ml	
AB435	Clear Primer – NSF Listed	946 ml	



PLASTIC WOOD® WOOD FILLERS

- Fills small holes and cracks in wood and hardboard
- Waterproof, takes nails and screws
- Can be stained or painted
- Fast drying



Model No.	Description	Size	Price /Each
AC180	473 ml		
AC181	946 ml		

FASTSTEEL®



- Moulds like clay, hardens like steel
- Repair ferrous and aluminum metals
- Rebuild engine parts, fill cracks and seal leaks
- Form nuts and bolts, repair stripped threads
- Repair metal tools, equipment, pipes, appliances and auto bodies
- Will not rust or shrink

Model No.	Size	Price /Each
AA261	114 g	

AQUAMEND®



- Repairs to damp wet areas are done quickly and easily
- Rebuild holes in fibreglass, metal and wooden boat decks and hulls
- Repair leaking gaskets, water tanks, spas, hot tubs, pools, etc.
- Excellent adhesion to PVC, will not yellow when exposed to UV and cures to fibreglass white colour

Model No.	Size	Price /Each
AA266	114 g	

INSTACRETE™



- Seal tie-rod holes
- Ideal for anchoring
- Repair of chipped concrete floors, curbing and steps
- Instant concrete repair
- Safe and solvent free
- Cures to a concrete colour
- Repair and rebuild decorative concrete trim, mouldings, statues, birdbaths, and other concrete lawn ornaments

Model No.	Size	Price /Each
AA268	114 g	

REPAIRITQUICK®



- Repair loose or cracked wall and floor tiles
- Patch chipped concrete, bricks and masonry
- Electrical use in place of tape or plastic connector
- Fabricate small parts and mend holes
- Attach fixtures, machines, tags and signs
- 1001 household and industrial purposes

Model No.	Size	Price /Each
AA267	114 g	

QUIKCOPPER®



- Repairs copper, brass, bronze and other non-ferrous metals
- Repair plumbing leaks in 15 minutes
- Bonds to damp and slow leaking surfaces
- Seals leaks in pipes, elbows, joints, sleeves, traps and drains

Model No.	Size	Price /Each
AA264	114 g	

QUIK TITANIUM®



- Hand kneadable, for high temperature applications
- Consistency provides a "no mess" gap filling application without the use of tools
- No solvents
- Low odour
- Larger pot life
- Service Temperature -40°F to 500°F

Model No.	Size	Price /Each
AB482	114 g	

QUIKWOOD®



- Fill holes, scratches, gouges, cracks, dry rot and knot holes
- Repair furniture, moulding and frames
- Reshape woodcarvings, remould wood knobs and handles
- Can be sanded, sawed, painted or stained
- Interior and exterior applications

Model No.	Size	Price /Each
AA265	57 g	

QUIKPLASTIK®



- Ideal for repairs to automotive parts, plastic trim and appliances
- Seals leaks and bonds to major types of plastic approved for plumbing pipe
- Excellent for plastic outdoor furniture

Model No.	Size	Price /Each
AA263	114 g	

QUIKALUMINUM®



- Many industrial and home maintenance applications: storm doors, aluminum tanks, aluminum boats, refrigeration units, recreational vehicles, aluminum Tubing and aluminum castings

Model No.	Size	Price /Each
AA262	114 g	

ULTRA SEAL LOW EXPANDING STRAW FOAM



- A one component polymeric insulating foam/sealant that cures to a rigid seal which will allow for normal movement between building components
- Fills and seals gaps, cracks and holes within most types of construction materials to eliminate drafts
- Ideal for sealing around wall outlets, sill plates, foundation walls, behind baseboards, windows and doors
- Colour: White

Model No.	Size	Price /Each
AC612	12 oz.	
AC613	24 oz.	

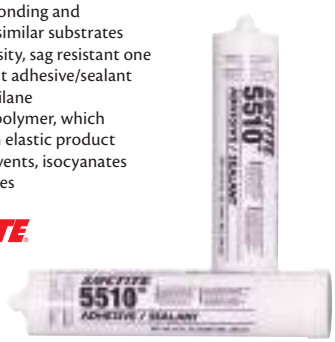
ULTRA SEAL PF-100 GUN FOAM



- Quality moisture-curing polyurethane foam that seals, insulates, sound-deadens and bonds many common building materials together
- Fills gaps in new and retrofit construction such as around windows, doors and wall corners which are difficult to draft stop and insulate
- Seals out radon, drafts, gases, odours, water, dust, sound and pests
- **AC608** professional dispensing gun

Model No.	Size	Colour	Price /Each
AC609	24 oz.	White	
AC610	32 oz.	White	
AC611	31 oz.	Black	
AC608	Gun		

FLEXTEC™ ADHESIVE & SEALANT



- Used for bonding and sealing dissimilar substrates
- High viscosity, sag resistant one component adhesive/sealant based on silane
- Modified polymer, which cures to an elastic product
- Free of solvents, isocyanates and silicones

Model No.	Mfg. No.	Size	Colour	Price /Each
AD124	1562044	300 ml	Grey	
AD125	1562042	300 ml	White	
AD123	1560557	300 ml	Black	
AF071	1562040	300 ml	Clear	

CAULKING GUNS

STANDARD RATCHET TYPE

This improved caulking gun is recommended for medium and light consistency caulks, sealants and adhesives.

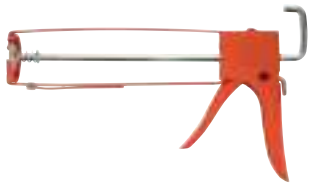
Its sturdy steel construction will ensure long lasting use.



Model No.	Size	Price/Each
TX604	300 ml	

E-Z THRUST® HEX-ROD PARALLEL FRAME

Uniquely designed for professionals to develop a powerful thrust ratio, making extension of stiff caulks and sealants easy and comfortable. The extra long trigger and pivot above the post on rod delivers 3 times more thrust power than comparable guns. Other features include E-Z Thrust® mechanism, seal-puncture tool and spout cutter with ladder hook.



Model No.	Size	Price/Each
TZ936	300 ml	

INDUSTRIAL ZINC - CHROMATE PLATED

This Super Hex Smooth Rod caulker is uniquely designed for professionals to develop a powerful thrust ratio, making the extrusion of stiff caulks and sealants easy and comfortable. Extra-long trigger and pivot above the piston rod delivers 3 times more thrust power than comparable guns. Other features include built-in spout cutter, seal-puncture tool, convenient D-ring and wrist strap.

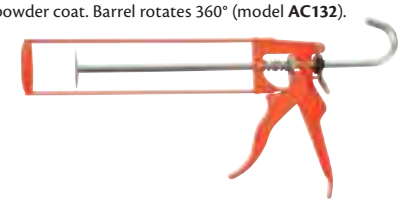


Model No.	Size	Price/Each
TZ939	300 ml	

WEXFORD & CHILTON

Compact size skeleton guns that fit in your tool box. Designed for comfortable operation over long periods of time. Smooth hexagonal drive rod and precision catch-plate provide effortless action.

Finished with a corrosion-resistant orange epoxy powder coat. Barrel rotates 360° (model **AC132**).



Model No.	Description	Size	Price/Each
AC132	Chilton	300 ml	

SUPERIOR PROFESSIONAL QUALITY

Ratchet type caulking guns are recommended for extruding all grades of caulks, sealants and adhesives from light to heavy consistencies. Equipped with built-in spout cutter, seal-puncture tool and ladder hook.



Model No.	Size	Price/Each
TX606	300 ml	
TX607	850 ml	

SUPER INDUSTRIAL GRADE

This chrome plated caulker is designed for the professionals who prefer ratchet guns. Will outlast, outperform all other ratchet guns, and is engineered to withstand heavy use. Equipped with ladder hook, built-in spout cutter, seal-puncture tool and convenient D-ring and wrist strap.



Model No.	Size	Price/Each
TX610	300 ml	

SUPER RATCHET TYPE

Professional quality Drip-Free Spring Clip Drive™ ratchet type caulking gun is recommended for extruding all grades of caulks, sealants and adhesives from light to heavy consistency. Also equipped with built-in spout cutter and seal-puncture tool.



Model No.	Size	Price/Each
TZ938	300 ml	

DRIP-FREE E-Z THRUST® HEX ROD PARALLEL FRAME

The patented Adjust-A-Stroke™ mechanism allows for easier or faster extrusion of heavy or light viscosity materials in warm or cold weather at the turn of a knob. In the E-Z position, you will develop a 10:1 thrust ratio. The Dripless on Demand™ feature allows you to instantly stop the caulk flow by quickly and fully releasing the trigger. Other features include built-in spout cutter, seal puncture tool, ladder hook, Drip-Free Spring Clip™, E-Z load open front cap and cartridge retainer spring.



Model No.	Size	Price/Each
TZ937	300 ml	

CAULKING GUNS

- Compact size to fit in a tool box
- Skeleton design
- Comfortable operation
- Smooth hexagonal drive rod
- Seal-puncture tool
- Steady release
- Smooth application
- Ladder Hook

aurora tools®



Model No.	Size	Price/Each
TYY156	300 ml	

AIR CAULKING GUNS

Designed to apply low and medium viscosity materials. Lightweight, high-impact, non-corrosive Valox™ construction. 3 foot hose with 1/4" NPT fitting. 70 PSI max.

STANDARD CARTRIDGE GUN

Uses standard 10.3-oz. cartridges.

Model No. WJ072
Mfg. No. PG100
Price/Each $



MULTI CARTRIDGE GUN

Uses both 10.3 and 30-oz. cartridges.

Model No. WJ073
Mfg. No. PG151
Price/Each $



Caulk Master®

PREMIUM 100% RTV SILICONE SEALANT

- Excellent adhesion to non-porous materials
- Provides a watertight seal
- Highly, permanently flexible
- Will not crack, crumble or shrink
- Resists moisture and mildew
- Interior/exterior use
- Size: 10 oz.



WHITE LIGHTNING

Model No.	Colour	Price /Each
AD892	Clear	
AD893	White	
AD894	Aluminum	
AD895	Black	

SUPERFLEX™ BLUE RTV SILICONE ADHESIVE SEALANT

- Cures to a tough, flexible rubber
- "Formed in Place" gaskets resist shrinking, cracking and migrating
- Fills gaps to 0.25"
- Coats pre-cut gaskets
- Low volatility
- Tack free in 30 min 24 hrs., full strength
- Temperature range -65°F to 500°F (-54°C to 260°C) intermittent
- Colour: Blue



LOCTITE

Model No.	Mfg. No.	Size	Price /Each
AC198	30560	80 ml tube	
AC199	30533	300 ml cartridge	

SUPERFLEX™ SILICONE ADHESIVE SEALANT

- General purpose, one part silicone adhesive, cures at room temperature to form a tough rubber seal
- Will not slump in overhead or vertical applications
- Withstands extreme temperature cycling, U.V. light and ozone
- Cannot be painted
- Tack free in 30 min. 24 hrs., full strength
- Temperature range -65°F to 450°F (-54°C to 232°C) intermittent
- Accepted for use in Canadian food processing facilities



LOCTITE

Model No.	Mfg. No.	Size	Colour	Price /Each
AC157	59330	80 ml tube	Black	
AC158	59375	300 ml cartr.	Black	
AC196	59530	80 ml tube	Clear	
AC197	59575	300 ml cartr.	Clear	
AC121	59430	80 ml tube	White	
AC113	59475	300 ml cartr.	White	

3006™ ALL PURPOSE ADHESIVE CAULK

- High quality acrylic latex formulation with silicone additives
- Cured caulk resists rust and mildew
- Applies a smooth, professional bead without gaps or bubbles
- Maintains excellent flexibility and elasticity
- Excellent colour retention
- Can be painted or stained after curing
- Interior/exterior use
- Exceeds ASTM Spec. C-834
- Size: 10 oz.



WHITE LIGHTNING

Model No.	Colour	Price /Each
AD884	White	

SUPERFLEX™ RED HIGH TEMP RTV SILICONE

- Resists aging, weather and thermal cycling without shrinking, cracking or hardening
- Fills gaps to .25"
- Tack free in 30 min. 24 hrs., full strength
- Resist temperatures to 600°F (315°C) intermittent
- Colour: Red
- Accepted for use in Canadian food processing facilities



LOCTITE

Model No.	Mfg. No.	Size	Price /Each
AC166	59630	80 ml tube	
AC167	59675	300 ml cartridge	

598™ BLACK RTV SILICONE GASKET MAKER

- Adheres well to oily surfaces
- Low odour and volatility
- Fills gaps to 0.25"
- Forms tough, flexible gaskets directly on the flange
- Resistant to most chemicals and solvents
- Non-corrosive
- Tack free in 30 min. 24 hrs., full strength
- Temperature range: -75°F to 625°F (-59°C to 329°C) intermittent
- Colour: Black
- Accepted for use in Canadian food processing facilities



LOCTITE

Model No.	Mfg. No.	Size	Price /Each
AA488	59830	70 ml tube	
AC195	59875	300 ml cartridge	

CONTRACTOR RTV SILICONE SEALANT

- Made with 100% silicone
- Flexible watertight seal
- Minimal shrinking
- Interior/exterior use
- Size: 10 oz.



WHITE LIGHTNING

Model No.	Colour	Price /Each
AD890	Clear	
AD891	White	

PAINTER'S PREFERRED™ CAULK

- High quality acrylic latex formulation
- Cured caulk resists rust and mildew
- Applies a smooth, professional bead without gaps or air bubbles
- Can be painted when thoroughly dry
- Meets performance requirements of ASTM C-834 for extension recovery and adhesion
- Colour: White



WHITE LIGHTNING

Model No.	Size	Price /Each
AD882	10 oz.	



MARINE GRADE ANTI-SEIZE

- Protects assemblies exposed directly or indirectly to fresh and salt water
- Works especially well in high humidity conditions
- Excellent lubricity, superior water wash-out water spray resistance
- Prevents galvanic corrosion



LOCTITE

Model No.	Mfg. No.	Size	Price /Each
AC338	34395	8 oz.	
TDP003	34026	16 oz.	

FOOD GRADE ANTI-SEIZE

- Prevents seizure, galling and friction in stainless steel and other metal parts up to 750°F (399°C)



LOCTITE

Model No.	Mfg. No.	Size	Price /Each
AC339	1167237	8 oz.	

HEAVY-DUTY ANTI-SEIZE

- Metal-free
- Excellent lubricity
- Outstanding lubrication to all metals including stainless steel, aluminum and soft metals up to 2400°F (1315°C)



LOCTITE

Model No.	Mfg. No.	Size	Price /Each
AC208	51605	9 oz.	
AC328	51606	1.2 lb.	

SILVER GRADE ANTI-SEIZE

- Heavy-duty, temperature resistant, petroleum-based lubricant
- Fortified with graphite and metallic flake
- Inert, will not evaporate or harden in extreme cold or heat
- For use in assemblies up to 1600°F (871°C)



LOCTITE

Model No.	Mfg. No.	Size	Price /Each
AC347	76732	8 oz.	
YA275	76759	12 oz. aerosol	
YA276	76764	1 lb.	

COPPER ANTI-SEIZE

- Service rating: -65°F (-54°C) to 1800°F (982°C)
- Lead free, low friction lubricant in a water-resistant grease fortified with anti-oxidants
- Protects against seizure,heat-freeze, galling, rust and corrosion
- Permits reuse of fittings, saves stud, bolt and nut replacements
- Not affected by contraction, expansion or vibration
- Will not run, drip or settle out
- Copper colour

LPS



Model No.	Mfg. No.	Size	Price /Each
AA890	C02916	12 oz.	
AA925	C02908	1/2 lb.	
AA874	C02910	1 lb.	

C5-A® COPPER BASED ANTI-SEIZE

- Suspends copper and graphite in a high quality grease
- Protects metal parts from rust, corrosion, galling, and seizing at temperatures to 1800°F (982°C)



LOCTITE

Model No.	Mfg. No.	Size	Price /Each
AC345	51147	8 oz.	
AA533	1786073	12 oz. aerosol	
AB467	51007	1 lb.	

NICKEL ANTI-SEIZE

- Copper-free
- Recommended for stainless steel and other metal fittings
- For preventing corrosion, seizing and galling in harsh, chemical environments
- For temperatures to 2400°F (1315°C)



LOCTITE

Model No.	Mfg. No.	Size	Price /Each
AC337	77124	8 oz.	
AA117	77164	1 lb.	

ANTI-SEIZE QUICKSTICKS™

- Used in high temperature applications, Loctite®
- Provides exceptional lubrication as well as protection against rust, corrosion, seizing and galling
- Also reduce friction and wear of critical parts that can be easily disassembled when needed
- Sticks offer less mess and portability

Typical applications:

- Use with copper, brass, cast iron, and all alloys including stainless steel, all plastics, and all non-metallic gasket materials
- Bolts, bushings, pipes, fittings, flanges, gaskets, headers, manifolds, studs, etc.
- High heat ovens, crane assemblies, turbine studs, coal crushers, casting and moulding equipment, and heat exchangers

LOCTITE



Model No.	Mfg. No	Format	Grade	Price /Each
AB653	37229	20 g	Copper	
AB654	37230	20 g	Silver	



ALL-PURPOSE ANTI-SEIZE

- Service rating: -65°F (-54°C) to 1800°F (982°C)
- Moly-fortified
- Lead free
- Protects against seizure, heat-freeze, galling, rust and corrosion
- Lowers friction and reduces wrench torque
- Not affected by contraction, expansion or vibration
- Will not harden, evaporate or settle out and requires no thinning
- Steel blue colour

LPS



Model No.	Mfg. No.	Size	Price /Each
AA924	C04108	1/2 lb.	
AB475	C04110	1 lb.	
AE671	C04105	5 gal. Pail	

NICKEL ANTI-SEIZE

- Service rating: -65°F (-54°C) to 2600°F (1427°C)
- Contains no lead, copper, graphite, chlorides, phosphorous, silicone or halogens
- Can be used with ammonia, acetylene and vinyl monomers, which are unstable in the presence of copper
- Protects against seizure, rust and corrosion
- Safe on stainless steel when temperatures exceed 550°F (288°C)
- Prevents water wash-off
- Will not run, drip or settle out
- Silver colour

LPS



Model No.	Mfg. No.	Size	Price /Each
AA926	C03908	1/2 lb.	
AB637	C03910	1 lb.	

587™ BLUE RTV SILICONE GASKET MAKER

- Adheres well to oily surfaces
- Low odour and volatility
- Fills gaps to 0.25"
- Forms tough, flexible gaskets directly on the flange
- Resistant to most chemicals and solvents
- Non-corrosive
- Tack free in 30 min. 24 hrs., full strength
- Withstands temperatures to 500°F (260°C) intermittent
- Colour: Blue
- Accepted for use in Canadian food processing facilities



LOCTITE

Model No.	Mfg. No.	Size	Price /Each
AA489	58730	70 ml tube	
AC201	58775	300 ml cartridge	

592™ PST® SLOW CURE THREAD SEALANT

- Locks and seals threaded fittings
- Parts may be repositioned up to 24 hours after application
- Withstands temperatures to 400°F
- Colour: White
- Accepted for use in Canadian food processing facilities



LOCTITE

Model No.	Mfg. No.	Size	Price /Each
AC100	59231	50 ml	
AB349	59241	250 ml	

FLANGE SEALANT 515™

- Flexible gaskets for rigid machined flanges
- Flexes with flanges that move in service
- For flexible applications
- 0.010" unprimed gap fill, 0.020" primed gap fill
- -65°F to 300°F
- Cures 1 to 12 hours (unprimed), 15 mins. to 2 hrs. (primed)
- Colour: Purple
- Accepted for use in Canadian food processing facilities



LOCTITE

Model No.	Mfg. No.	Size	Price /Each
AC088	51531	50 ml	
AC089	51580	300 ml	

QUICKSTIX™ 548™ GASKET ELIMINATOR®

- Formulated with excellent oil resistance for rigid flange sealing
- Ideal for on-the-spot repairs
- For use on a variety of metal surfaces, including aluminum
- Seals up to 300°F (149°C)
- Fills gaps to 0.010"
- Accepted for use in Canadian food processing facilities



LOCTITE

Model No.	Mfg. No.	Size	Price /Each
AB938	39152	18 g	

565™ PST® CONTROLLED STRENGTH THREAD SEALANT

- General purpose instant sealant for tapered and straight/tapered fittings
- Controlled strength for ease of disassembly
- Withstands temperatures to 300°F
- Colour: White
- Accepted for use in Canadian food processing facilities



LOCTITE

Model No.	Mfg. No.	Size	Price /Each
AA540	56531	50 ml	
AA541	56541	250 ml	

545™ THREAD SEALANT HYDRAULIC/ PNEUMATIC SEALANT

- Liquid sealant for locking and sealing high pressure, fluid power systems with tapered fittings
- No fillers and will not foul valves or fluid filtering systems
- For locking and sealing hydraulic and pneumatic fittings, servomechanisms, and fine-filtration systems
- Specially formulated to offer lubricity for easy assembly
- Withstands temperatures to 300°F
- Colour: Purple
- Accepted for use in Canadian food processing facilities



LOCTITE

Model No.	Mfg. No.	Size	Price /Each
AC357	32429	10 ml	
AA542	54531	50 ml	

PST® 561™ THREAD SEALANT STICK

- Immediate low pressure sealing to 100 PSI
- Protects threads from rust and corrosion
- Exceptional fluid compatibility and chemical resistance
- Will not contaminate or clog lines
- Eases disassembly
- Seals all types of metal tapered threads and fittings to NPT specs
- For chemical processing, waste water treatment, and automotive
- Temperature resistance 300°F (150°C)
- Colour: White
- No mess, portable stick
- Accepted for use in Canadian food processing facilities



LOCTITE

Model No.	Mfg. No.	Size	Price /Each
AB652	37127	19 g	

609™ GENERAL PURPOSE RETAINING COMPOUND

- Low viscosity retaining compound that bonds rigid metal assemblies
- Ideal for gap distances up to 0.005"
- Fixtures in 10 minutes, full in 24 hrs.
- Provides a shear strength of 3000 PSI after 24 hours
- Withstands temperatures to 300°F
- Locks keys and splines - eliminates backlash in worn assemblies
- Locks bushings and sleeves in housings and on shafts
- Augments press fits
- Colour: Green
- Accepted for use in Canadian food processing facilities



LOCTITE

Model No.	Mfg. No.	Size	Price /Each
AA538	60921	10 ml	
AA539	60931	50 ml	

620™ HIGH TEMPERATURE RETAINING COMPOUND

- High temperature, high viscosity retaining compound
- Ideal for gap distances up to 0.015"
- Fixtures in 30 minutes, full in 24 hrs.
- Provides a shear strength of 3800 PSI on steel
- Withstands temperatures to 450°F
- Seals against leakage
- For retaining pins and sealing threads in steam platens and retaining valve seats
- Colour: Green
- Accepted for use in Canadian food processing facilities



LOCTITE

Model No.	Mfg. No.	Size	Price /Each
AA457	62015	10 ml	
AC102	62040	50 ml	

641™ CONTROLLED STRENGTH RETAINING COMPOUND

- For cylindrical parts that require disassembly
- Ideal for gap distances up to 0.008"
- Fixtures in 20 minutes, full in 24 hrs.
- Provides a shear strength of 1700 PSI
- Withstands temperatures to 300°F
- Colour: Yellow
- Accepted for use in Canadian food processing facilities



LOCTITE

Model No.	Mfg. No.	Size	Price /Each
AC355	28802	10 ml	
AA546	21458	50 ml	

660™ QUICK METAL® PRESS FIT REPAIR RETAINING COMPOUND

- Creamy, non-running adhesive/sealant
- Repairs worn machine parts
- Restores correct fit to mating assemblies
- Ideal for gap distancesup to 0.020"
- For worn shafts and housings, bearing spinouts, keyways, and splines
- Fixtures in 20 minutes, full in 24 hrs.
- Shear strength of 3300 PSI on steel
- Withstands temperatures to 300°F
- Colour: Silver
- Accepted for use in Canadian food processing facilities



LOCTITE

Model No.	Mfg. No.	Size	Price /Each
AC103	66010	6 ml	
AC104	66040	50 ml	

QUICKSTIX™ 668™ RETAINING COMPOUND

- Used for bonding non-threaded, cylindrical metal assemblies with gaps up to 0.005" (0.13 mm)
- Prevents fretting and corrosion of metal assemblies up to 400°F (204°C)
- Accepted for use in Canadian food processing facilities



LOCTITE

Model No.	Mfg. No.	Size	Price /Each
AB937	39148	19 g	

680™ HIGH STRENGTH/ HIGH VISCOSITY RETAINING COMPOUNDS

- Ideal curing adhesive for joining fitted cylindrical parts
- Fixtures in 10 minutes and provides a shear strength of 4000 PSI
- Capable of filling diametral gaps up to 0.015 inches
- Gives the best resistance to dynamic, axial and radial loads
- Full Cure Time: 24 hrs.
- Colour: Green



LOCTITE

Model No.	Mfg. No.	Size	Price /Each
AF074	1835205	10 ml	

648™ HIGH STRENGTH/ RAPID CURE RETAINING COMPOUNDS

- Ideal for clearance and interface fit parts
- Excellent performance for dynamic, axial and radial loads
- Works through contaminants such as oils and corrosion protection fluids
- Cures on metals without needing an applicator
- Application Time: 3 minutes
- Full Cure Time: 24 hrs.
- Shear Strength: 3900 PSI
- Ideal for gap distance up to: 0.006"

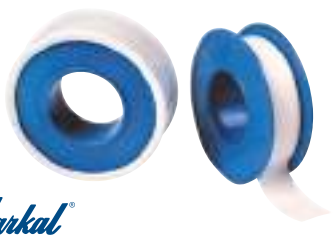


LOCTITE

Model No.	Mfg. No.	Size	Colour	Price /Each
AF076	1835922	10 ml	Green	
AF077	1835920	50 ml	Green	

TEFLON® THREAD SEALANT TAPE

- For sealing threaded pipe joints
- Easy disassembly even after years of service
- Works under pressures up to 10 000 PSI and temperatures from -450°F to 550°F
- 144 rolls per case



Markal® High Performance Industrial Markers

Model No.	Size"	Price /Each
PA684	1/2 x 520	
PA685	3/4 x 520	

THREADLOCKER STICKS





LOCTITE

Model No.	Mfg. No.	Size	Price /Each
248™ MEDIUM STRENGTH - BLUE			
AB649	37087	19 gr.	
AB648	37684	9 gr.	
268™ HIGH STRENGTH - RED			
AB651	37686	19 gr.	
AB650	37685	9 gr.	

290™ WICKING GRADE THREADLOCKER

MEDIUM STRENGTH

- For pre-assembled bolts up to 1/2" (12 mm)
- Penetrates threads by capillary action
- Secures set screws and other assemblies after settings are completed
- Localized heating and hand tools are needed for disassembly
- For preassembled fasteners, instrumentation screws, electrical connectors and carburetors
- Withstands temperatures to 300°F
- Torque: 85/250 in.-lbs.
- Fixtures in 6 minutes, full in 24 hrs.
- Colour: Green



LOCTITE

Model No.	Mfg. No.	Size	Price /Each
AA454	29021	10 ml	
AA455	29031	50 ml	
AA024	29041	250 ml	

262™ HIGH STRENGTH THREADLOCKER

- For fasteners up to 3/4" (20 mm) dia.
- High lubrication for easy assembly
- Excellent for preventing rust and corrosion in extreme chemical/ environmental conditions
- For all fasteners that must withstand heavy shock, vibration, or extreme environmental or chemical conditions
- Withstands temperatures to 300°F
- Torque: 190/275 in.-lbs.
- Fixtures in 5 minutes, full in 24 hrs.
- Colour: Red



LOCTITE

Model No.	Mfg. No.	Size	Price /Each
AA452	26221	10 ml	
AA453	26231	50 ml	
AA741	26241	250 ml	

272™ HIGH TEMP./HIGH STRENGTH THREADLOCKER

- Recommended for bolts up to 1 1/2" (36 mm) in diameter
- Provides a fast cure on most surfaces including "as received" fasteners
- Heat and hand tools are required for disassembly
- Withstands temperatures to 450°F
- Torque: 200/220 in.-lbs.
- Fixtures in 30 minutes, full in 24 hrs.
- Colour: Red



LOCTITE

Model No.	Mfg. No.	Size	Price /Each
AA552	27240	50 ml	
AC324	27270	250 ml	

263™ HIGH STRENGTH/ RAPID CURE THREADLOCKER

- Designed for the permanent locking and sealing of threaded fasteners
- Ideal for heavy-duty applications such as studs into motor housings, nuts onto studs in pump housings and other fasteners where high strength is required
- Provides robust curing performance
- Works on active metals such as brass, copper and passive substrates such as stainless steel and plated surfaces
- Offers high temperature performance and oil tolerance
- Torque: 325/320 in-lbs.
- Withstands temperature from -65°F to 360°F
- Fixture in 4 min., full 24 hrs.
- Colour: Red
- Acceptable for use in Canadian food processing establishments



LOCTITE

Model No.	Mfg. No.	Size	Price /Each
AD289	1330583	10	
AD290	1330585	50	
AD291	1330335	250	

242® MEDIUM STRENGTH THREADLOCKER

- Removable threadlocker for fasteners between 1/4" and 3/4" (6 to 20 mm) diameters
- Controlled lubricity for accurate clamp loads
- Parts can be separated using hand tools
- For machine tools, presses, pumps, compressors, mounting bolts and gearboxes
- Withstands temperatures to 300°F
- Torque: 115/53 in.-lbs.
- Fixtures in 10 minutes, full in 24 hrs
- Colour: Blue



LOCTITE

Model No.	Mfg. No.	Size	Price /Each
AA450	24221	10 ml	
AA451	24231	50 ml	
AA652	24241	250 ml	

243™ OIL TOLERANT/ MEDIUM STRENGTH THREADLOCKER

- For fasteners between 1/4" and 3/4" (6 to 20 mm) diameters
- Medium strength threadlocker with improved oil tolerance
- Parts can be separated using hand tools
- For machine tools, presses, pumps, compressors, mounting bolts and gearboxes
- Withstands temperatures to 360°F
- Torque: 180/62 in.-lbs.
- Fixtures in 5 minutes, full in 24 hrs
- Colour: Blue



LOCTITE

Model No.	Mfg. No.	Size	Price /Each
AA188	1329837	10 ml	
AA555	1329467	50 ml	
AC322	1329505	250 ml	

246™ HIGH TEMP./ MEDIUM STRENGTH THREADLOCKER

- Suitable for fasteners between 1/4" and 3/4" (6 to 20 mm) diameters
- Resists oil and mild surface contamination at continuous temperatures to 450°F
- Torque: 170/48 in.-lbs.
- Fixtures in 20 minutes, full in 24 hrs.
- Colour: Blue



LOCTITE

Model No.	Mfg. No.	Size	Price /Each
AC353	29513	10 ml	
AC330	29514	50 ml	
AC321	29515	250 ml	

222MS™ LOW STRENGTH THREADLOCKER

- Ideal for fastener diameters of 1/4" (6 mm) and smaller
- Controlled lubricity for accurate clamp loads
- Parts can be separated using hand tools
- For set screws, adjustment screws, calibration screws, meters and gauges
- Withstands temperatures to 300°F
- Torque: 62/27 in.-lbs.
- Fixtures in 20 minutes, full in 24 hrs
- Colour: Purple



LOCTITE

Model No.	Mfg. No.	Size	Price /Each
AA014	22221	10 ml	
AA015	22231	50 ml	
AA513	22241	250 ml	

INSULATING & SEALING WRAP

- Non-sticky, self fusing, multipurpose wrap
- Withstand extreme conditions: -65°F to 500°F
- Tensile strength up to 700 PSI and dielectric strength up to 400 VPM
- UV, saltwater, fuel and acid resistant



LOCTITE

Model No.	Mfg. No.	Size	Colour	Price /Each
AD155	1212164	1" x 10' Roll	Red	
AF072	1540599	1" x 10' Roll	Black	
AF073	1496756	2" x 36' Roll	Black	

GORILLA CONSTRUCTION ADHESIVE

- Tough, versatile and all-weather adhesive
- 100% adhesive formula creates heavy-duty bonds
- 100% waterproof
- Holds in 30 seconds
- Low-odor
- Gap filling up to 1"
- Can be painted with latex paint within 2 days of application
- Container Type: Cartridge
- Colour: White
- Application Time: 10 min.
- For use on: Wood, Metal, Stone, Ceramic, Glass, Most Plastics, PVC Sheet, Brick, Paper, Rubber



Model No.	Size	Price /Each
AF413	9 oz.	

NUFLEX®458 SUB-FLOOR CONSTRUCTION ADHESIVE

- Ideal for particleboard, OSB and engineered lumber as well as wet, frozen and treated lumber
- Provides superior adhesive strength and remains permanently flexible
- Fills gaps and irregularities between materials and provides a more solid backup surface
- Reduces the amount of nailing, increases floor rigidity and helps eliminate squeaky floors
- Exceeds AFG-01 specifications
- Freeze-thaw stable
- Superior extreme temperature adhesive; works extremely well in colder temperatures and offers excellent water-resistance



Model No.	Mfg. No.	Size	Price /Each
AE622	45880	828 ml	

TEN BOND CONTACT CEMENT

- Brush-able, neutral-colored contact adhesive for bonding many decorative laminates, aluminum, steel, plywood, panels, wood and wood veneer, masonry, rubber, canvas and other porous and non-porous materials
- Air drying adhesive which bonds immediately and permanently upon application of contact pressure
- No clamping or fixturing required



Model No.	Mfg. No.	Size	Price /Each
AMC295	10-1L	1 L	
AMC294	10-1GAL	1 gal.	

NUFLEX®480 POLYURETHANE CONSTRUCTION ADHESIVE

- Excellent adhesion strength
- 100% polyurethane based, VOC compliant adhesive
- Can be used for interior or exterior projects and is three times as strong as conventional solvent based construction adhesives
- Ideal for wood, hardwood flooring, concrete, stone, marble, slate, masonry, brick, foam insulation, carpets, metal, lead, cement-based products, ceramics, fiberglass, drywall and mirrors
- Contributes to LEED credit
- Low-odor
- Adheres to dry, wet and frozen lumber
- Waterproof, paintable and cures even in cold temperatures
- AFG-01 approved



Model No.	Mfg. No.	Size	Price /Each
AE623	48000	296 ml	
AE624	48080	828 ml	

ORIGINAL GORILLA GLUE

- Incredibly strong and versatile glue
- Water-activated
- 100% waterproof
- Expands by about 3-4 times the applied amount
- Unaffected by extreme heat or cold
- For use indoors and outdoors
- Colour: Tan
- Application Time: 10 min.
- Full Cure Time: 24 hrs.
- Open Working Time: 10-15 minutes
- Clamp time: 1-2 hours
- Drying Time: 24 hours
- For use on: Wood, Metal, Stone, Ceramic, Glass, Most Plastics, PVC Sheet, Brick, Paper



Model No.	Format	Container Type	Price /Each
NKA481	4 x 3 g	Tube	
NKA497	2 oz.	Squeeze Bottle	
NKA480	4 oz.	Squeeze Bottle	
NKA498	8 oz.	Squeeze Bottle	

WHITE GLUE

- Washable no-run glue; easy to clean up
- Safe and non-toxic
- Pourable
- Recommended for wood, wood compositions, veneer, paper, cardboard, leather, fabric and cork
- Not recommended for joints that require gap filling, bonding non-porous substrates (i.e. plastic or metal)
- Colour: White



Model No.	Mfg. No.	Size	Price /Each
AE606	60307W8	120 ml	
AE607	60310Q	225 ml	
AE608	6155060331	950 ml	
AE609	6155060341	3.8 L	

CARPENTER'S® WOOD GLUE

- Made for furniture repair and general indoor household projects
- Best for soft and hardwoods, particle board and porous materials
- Cleans up with soap and water when wet, and scrape and sand when glue is dry
- Open time: 10-15 minutes before clamping
- Clamp time: 12 hours
- Light colour for natural and light stained woods
- Pourable
- Colour when dry: Yellow



Model No.	Mfg. No.	Size	Price /Each
AE610	60615TR	118 mL	
AE611	60613TR	236 mL	
AE612	60617TR	473 mL	
AE613	6155060618	950 mL	
AE614	6155060619	3.8 L	

PROBOND® MAX WOOD GLUE

- Made for furniture repair and general indoor and outdoor household projects
- Best on wood
- Contains real wood fibers for superior staining, painting, and sanding
- Open time: 10-15 minutes before clamping
- Clamp time: 12 hours
- Easy to clean-up with water
- Pourable and waterproof
- Colour when dry: Beige



Model No.	Mfg. No.	Size	Price /Each
AE615	69220	118 mL	
AE616	69221	236 mL	
AE617	69222	473 mL	
AE618	69224	3.8 L	

ULTIMATE® POLYURETHANE GLUE

- The ultimate adhesive; adheres to anything with a permanent, strong, waterproof bond
- Indoor and outdoor
- Does not require any mixing
- Sandable and paintable
- Best on stone, metal, ceramic, wood, foam, glass, etc.
- Open time: 30 minutes before clamping
- Clamp time: 12 hours
- Clean up: mineral spirits or acetone when glue is wet; sanding and scraping when glue is dry
- Colour when dry: Yellow



Model No.	Mfg. No.	Size	Price /Each
AE619	6155069406	60 mL	
AE620	69416	236 mL	
AE621	69417	473 mL	



BONDING GUIDE

Performance consideration	Adhesive Category								
	Cyanoacrylates	Epoxies	Hot Melts	Light Cure	Silicones	Elastomers	Urethanes	2-part Acrylics	2 step Acrylics
Benefits	Wide range of bonding applications	Wide range of formulations	Versatile, fast, large gap filling	Rapid cure/ adhesion to plastics	Excellent temperature resistance	Flexible, paintable, bonder/ sealant	Excellent toughness/ flexibility	Good impact resistance/ flexibility	Good impact resistance/ no-mix
Limitations	Low solvent resistance	Mixing required	Limited heat resistance	Light cure resistance	Low adhesion resistance	High temperature resistance	Sensitive to moisture	Mixing required	Primer required
Temperature resistance									
Typical for the category	-65ºF to 180ºF (-54ºC to 82ºC)	-65ºF to 180ºF (-54ºC to 82ºC)	-65ºF to 250ºF (-54ºC to 121ºC)	-65ºF to 300ºF (-54ºC to 149ºC)	-65ºF to 400ºF (-54ºC to 204ºC)	-65ºF to 200ºF (-54ºC to 93ºC)	-65ºF to 250ºF (-54ºC to 121ºC)	-65ºF to 250ºF (-54ºC to 121ºC)	-65ºF to 300ºF (-54ºC to 149ºC)
Enviromental resistance									
Polar solvents (ex: water, ethylene glycol, isoprobyl alcohol, acetone)	Poor (1)	Very Good	Good	Good	Good	Good	Good	Good	Good
Non-polar solvents (ex: motor oil, toluene, gasoline,ATF)	Good	Excellent	Good	Very Good	Poor to Fair	Poor	Good	Very Good	Very Good
Adhesion to substrates									
Metals	Very Good	Excellent	Good	Good	Good	Very Good	Good	Excellent	Excellent
Plastics (2)	Excellent	Fair	Very Good	Excellent	Fair	Good	Very Good	Excellent	Fair
Glass	Poor	Excellent	Good	Excellent	Very Good	Good	Good	Good	Excellent
Rubber	Very Good	Fair	Fair	Fair	Good	Poor	Good	Poor	Poor
Wood	Good	Very Good	Excellent	Poor	Fair	Very Good	Fair	Good	Good

Process consideration	Adhesive Category								
	Cyanoacrylates	Epoxies	Hot Melts	Light Cure	Silicones	Elastomers	Urethanes	2-part Acrylics	2 step Acrylics
Cure temperature	Room Temperature	Room Temperature	Room Temperature (3)	UV/Visible	Room Temperature	Room Temperature	Room Temperature	Room Temperature	Room Temperature
Fixture time									
Average	60 seconds	20 minutes	70 seconds	30 seconds	25 minutes	25 minutes	25 minutes	20 minutes	5 minutes
Full cure time	24 hours	12 to 24 hours	1 hour (or when cooled) (4)	30 to 60 seconds	1 to 7 days	1 to 7 days	24 hours	24 hours	24 hours

SUBSTRATE	GALVANIZED	STEEL, ALUMINUM, STAINLESS STEEL	POLYPROPYLENE, UHMW, HDPE, POLYETHYLENE, NYLON, ACETAL	ACRYLIC, POLYCARBONATE, STYRENE, PVC, ABS	FIBREGLASS, POLYESTER OR EPOXY	GLASS, CERAMIC	WOOD, LEATHER, CARDBOARD
GALVANIZED	H8600™	H8600™	U-05FL™	H8600™	H8600™	H8600™	E-20HP™
STEEL, ALUMINUM, STAINLESS STEEL	H8600™	H8000™, H3151™	U-05FL™	H8000™, U-05FL™	H8000™, H3151™, H3000™	E-20HP™	E-20HP™
POLYPROPYLENE, UHMW, HDPE, POLYETHYLENE, NYLON, ACETAL	U-05FL™	U-05FL™	U-05FL™	U-05FL™	U-05FL™	U-05FL™	Cyanoacrylates or Hot melt
ACRYLIC, POLYCARBONATE, STYRENE, PVC, ABS	H8600™	H8000™, U-05FL™	U-05FL™	H8000™, H3151™, H3000™	H8000™, H3000™	H8000™	Cyanoacrylates
FIBREGLASS, POLYESTER OR EPOXY	H8600	H8000™, H3151™, H3000™	U-05FL™	H8000™, H3000™	H8000™, H4800™, H3000™, E-20HP™	E-20HP™, E-30CL™, 330™ Depend®	E-20HP™
GLASS, CERAMIC	H8600™	E-20HP™	U-05FL™	H8000™	E-20HP™, E-30CL™, 330™ Depend®	E-30CL™, 330™ Depend®	E-20HP™
WOOD, LEATHER, CARDBOARD	E-20HP™	E-20HP™	Cyanoacrylates or Hot melt	Cyanoacrylates	E-20HP™	E-20HP™	E-20HP™

(1) Cyanoacrylates have very good moisture resitance on plastics
(2) Uncured liquid adhesives may cause stress cracking of certain thermoplastics, e.g., polycarbonate, acrylic and polysulfone.
(3) Elevated temperatures are required to dispense liquid Hot Melt Adhesives.
(4) Urethane Hot Melts require 24 hours for full cure.

PLEASE NOTE: This chart should not be used to specify products without specific testing.
It is recommended that you conduct on-part testing to ensure product performance before specifying any adhesive.

INSTANT ADHESIVES (CYANOACRYLATES)

- Widest selection of high-performance, application-specific, instant adhesives
- Available in a variety of viscosities, cure speeds, gap-filling capabilities and substrate compatibilities
- Ultra-high performance Loctite Prism® family offers toughened formulations, low odor, low blooming and thermally resistant formulations

431™ SURFACE INSENSITIVE INSTANT ADHESIVE

- Medium viscosity, clear, gap filling, surface insensitive, one part, room temperature cure instant adhesive
- Designed for the assembly of difficult-to-bond materials which require uniform stress distribution
- Particularly suited for bonding a wide range of materials, including metals, plastics, and elastomers
- Typical use: Gap filling
- Gap fill: 0.008"
- Viscosity: 1 000 cP
- Shear strength: 2300 PSI
- Temperature Range: -65°F to 180°F (-54°C - 82°C)
- Cure speed: Fixture – 15 sec., full: 24 hrs.
- Colour: Clear



LOCTITE

Model No.	Mfg. No.	Size	Price /Each
AD406	41254	3 g Tube	
AD407	41255	20 g Bottle	
AD408	41256	1 lb. Bottle	

435™ CLEAR SURFACE INSENSITIVE INSTANT ADHESIVE

- The first true clear, surface insensitive, elastomer-modified instant adhesive
- Low viscosity, clear, rubber toughened, one part, room temperature cure instant adhesive
- Designed for bonding metal, rubber and plastics
- Excellent peel, impact and sheer strength on metals, plastics and rubbers
- Typical use: General purpose
- Gap fill: 0.006"
- Viscosity: 22 cP
- Shear strength: 2700 PSI
- Temperature range: -65°F to 240°F (-54°C to 115°C)
- Cure speed: fixture 30 sec., full 24 hrs.
- Colour: Clear



LOCTITE

Model No.	Mfg. No.	Size	Price /Each
AD414	40994	20 g Bottle	
AD415	40995	1 lb. Bottle	

3092™ TWO-PART INSTANT ADHESIVE

- Fast, two-part CA bonds gaps up to 0.200" (5 mm)
- Good for bonding plastics, rubbers, wood, paper and metals
- High precision dispensing tips
- Includes a 10 gram syringe with 3 mix nozzles



LOCTITE

Model No.	Mfg. No.	Size	Price /Each
AE630	1807961	10 g	

410™ INSTANT ADHESIVE BLACK/TOUGHENED

- High viscosity, black, rubber toughened, one part, room temperature cure, gap filling instant adhesive
- Designed for bonding metal, rubber and selected plastics
- Excellent peel, impact and sheer strength
- Typical use: Gap filling
- Gap fill: 0.008"
- Viscosity: 3500 cP
- Shear strength: 3200 PSI
- Temperature range: -65°F to 225°F (-54°C to 107°C)
- Cure speed: Fixture – 90 sec., full – 24 hrs.
- Colour: Black



LOCTITE

Model No.	Mfg. No.	Size	Price /Each
AD410	41004	3 g Tube	
AD411	41045	20 g Bottle	
AD412	41061	1 lb. Bottle	

401™ GENERAL PURPOSE INSTANT ADHESIVE

- A general purpose adhesive for difficult-to-bond surfaces
- For bonding porous or absorbent materials, such as wood, paper, leather or fabric
- Ideal for gap distances up to 0.005"
- Fixtures in 15 seconds, full in 24 hrs.
- Provides a shear strength of 3200 PSI
- Withstands temperatures to 250°F
- Colour: Clear
- Improved formula



LOCTITE

Model No.	Mfg. No.	Size	Price /Each
AA544	40104	3 g Tube	
AA545	40140	20 g Bottle	
AD987	40161	1 lb. Bottle	

454™ PRISM® INSTANT ADHESIVE GEL

- A general purpose, no-run clear gel
- Excellent for almost all surfaces
- Ideal for porous substrates and rough and acidic surfaces
- Ideal for gap distances up to 0.010"
- Fixtures in 15 seconds, full in 24 hrs.
- Provides a shear strength of 3200 PSI
- Withstands temperatures to 250°F
- Colour: Clear
- Improved formula



LOCTITE

Model No.	Mfg. No.	Size	Price /Each
AA548	45404	3 g Tube	
AB343	45440	20 g Tube	
AF079	45474	200 g Tube	
AA549	45478	300 g Cartridge	

495™ SUPER BONDER® INSTANT ADHESIVE

- A medium viscosity, high temperature product for all metals, and most plastics and rubbers
- Resists temperatures to 223°F continuous or up to 250°F intermittent
- Ideal for gap distances up to 0.004"
- Fixtures in 20 seconds, full in 24 hrs.
- Provides a shear strength of 2750 PSI
- Colour: Clear
- Improved formula



LOCTITE

Model No.	Mfg. No.	Size	Price /Each
AA456	49504	3 g Tube	
AA487	49550	1 oz. Bottle	
AB366	49561	1 lb. Bottle	

380™ BLACK MAX® TOUGHENED

- Bonds metal, rubber, and plastic
- For use in difficult environments
- Ideal for gap distances up to 0.006"
- Fixtures in 90 seconds, full in 24 hrs.
- Provides a shear strength of 3750 PSI
- Withstands temperatures to 225°F
- Colour: Black



LOCTITE

Model No.	Mfg. No.	Size	Price /Each
AA493	38004	3 g Tube	
AA494	38050	1 oz. Bottle	
AF080	38061	1 lb. Bottle	

QUICKTITE® INSTANT ADHESIVE GEL

- A general purpose instant adhesive
- Precision flow control applicator
- Designed to be clog-free



LOCTITE

Model No.	Mfg. No.	Size	Price /Each
AB950	39202	0.14 oz. bottle	

404™ QUICK SET™ INDUSTRIAL ADHESIVE

- A general purpose adhesive for general maintenance and repair
- Excellent for rubber bonding
- Ideal for gap distances up to 0.005"
- Fixtures in 30 seconds, full in 24 hrs.
- Provides a shear strength of 3500 PSI
- Withstands temperatures to 180°F
- Colour: Clear



LOCTITE

Model No.	Mfg. No.	Size	Price /Each
AA550	46551	1/3 oz. bottle	
AC325	46548	4 oz. bottle	

403™ PRISM® INSTANT ADHESIVE

- Low-odour, low blooming, surface-insensitive
- Faster fixture speeds on plastics and metals
- Perfect for gap filling
- Cure speed: Fixture 50 sec, full 24 hrs.
- Viscosity: 1000 cP
- Temperature range: -65°F to 160°F (-54°C to 71°C)
- Sheer strength: 2600 PSI
- Colour: Clear
- Improved formula



LOCTITE

Model No.	Mfg. No.	Size	Price /Each
AD429	40340	20 g Bottle	
AD430	40361	454 g Bottle	

414™ SUPER BONDER® INSTANT ADHESIVE

- General purpose cyanoacrylate plastic bonder
- Mil Spec: Mil-A-46050C Type II Class II
- Commercial Item Description A-A-3097: Type II Class II
- Typical use: Plastic bonder
- Gap Fill: 0.006"
- Viscosity: 11 cP
- Shear Strength: 3200 PSI
- Temperature Range: -65°F (-54°C) to 180°F (82°C)
- Cure Speed: Fixture - 20 secs; Full - 24 hrs.
- Colour: Clear



LOCTITE

Model No.	Mfg. No.	Size	Price /Each
AA654	41404	3 g Tube	
AA655	41450	1 oz. Bottle	
AA656	41461	1 lb. Bottle	

LOCTITE® 7387 ACTIVATORS

- Designed to initiate the cure of Loctite toughened acrylic adhesives such as Loctite 315™, 383™ and 384™



LOCTITE

Model No.	Mfg. No.	Size	Price /Each
AD140	18861	1.75 oz.	
MLN387	18862	32 oz.	

7452™ TAK PAK ACCELERATOR

- Aggressive cleaning properties, promote the cure speed of all Loctite® Cyanoacrylate Adhesives
- < 30 second dry time
- 1 minute on-part life
- Colour: clear/amber
- Spray-cap bottle



LOCTITE

Model No.	Mfg. No.	Size	Price /Each
AC360	18580	1.75 fl. oz.	
AE660	18575	1 qt. can	
AF081	18567	1 gal. can	

7387™ HEPTANE/ ISOPROPYL ALCOHOL ACTIVATORS

- Used to initiate the cure of toughened acrylic adhesives
- Primer for Loctite 330™, 331™ and 332™



LOCTITE

Model No.	Mfg. No.	Size	Price /Each
AF099	21088	4.5 oz.	

770™ PRIMER

- An adhesion promoter formulated for use with polyolefins and other low energy surfaces
- Use with Loctite® Cyanoacrylate Adhesives
- 30-second dry time
- 8-hour on-part life
- Colourless



LOCTITE

Model No.	Mfg. No.	Size	Price /Each
AA041	18396	1.75 fl. oz.	
AD978	18397	16 fl. oz.	

LOCTITE® HY 4060™ GY STRUCTURAL REPAIR HYBRID ADHESIVE

- Ideal for use on many materials such as metal, plastic, rubber, wood, paper, and leather
- Provides fast fixture time even at low temperatures
- Colour indication to ensure consistent and proper mix
- Colour: Gray
- Application Time: 5 min.
- Temperature resistance: -40 to 150 °C
- Full Cure Time: 24 hrs.



LOCTITE

Model No.	Mfg. No.	Size	Price /Each
AF361	2267079	25 g	

LOCTITE® HY 4070™ STRUCTURAL REPAIR HYBRID ADHESIVE

- Ideal for use on many materials such as metal, plastic, rubber, wood, paper, and leather
- Provides fast fixture time even at low temperatures
- Ready-to-use syringe package with nozzle for more convenience
- Colour: Off-White
- Application Time: 4 min.
- Temperature resistance: 120 °C
- Full Cure Time: 24 hrs.



LOCTITE

Model No.	Mfg. No.	Size	Price /Each
AF362	2264448	11 g	

METAL BONDING STRUCTURAL ADHESIVES:

- Specially formulated to provide tough, long-lasting bonds to metal surfaces, such as steel galvanized steel, aluminum, sheet metal and stainless steel
- Capable of reducing or replacing the need for threaded fasteners, welds or rivets, resulting in a higher quality assembly

U-05FL™ HYSOL® URETHANE ADHESIVE



- Fast setting, highly flexible adhesive for metal bonding
- 5-minute working life
- High strength, flexible
- Chemistry: Two-part urethane
- Viscosity: 100 000 cP
- Mix ratio: 1:2
- Cure time: 24 hrs.
- Shear strength: 930 PSI
- Colour: Off-white

LOCTITE®

Model No.	Mfg. No.	Size	Price /Each
AD900	29348	50-ml Dual Cartridge	
AD422	29350	400-ml Dual Cartridge	

HYSOL® E-20NS EPOXY ADHESIVE



- Bonds on aluminum, stainless steel and other metals, as well as glass, ceramics, and plastics
- Well suited for use on vertical surfaces to avoid run-off
- Metal bonder, non-sag, high peel and shear
- 20 minutes worklife
- 2:1 mix ratio (resin:hardener)
- 2000-4000 PSI overlap shear strength
- Colour: Light tan

LOCTITE®

Model No.	Mfg. No.	Size	Price /Each
AC349	29334	50 ml	

H3151 SPEED BONDER™ METAL BONDER



- Extend open time allows for adjustment of parts
- Excellent bond strength on aluminum and steel
- Impact and peel resistant
- 50 ml dual cartridge
- Colour: Pale yellow

LOCTITE®

Model No.	Mfg. No.	Size	Price /Each
AC344	83015	H3151	

H4500™ SPEED BONDER™ STRUCTURAL ADHESIVE



- High strength structural adhesive for metals
- Fast fixture metal bonder
- Chemistry: Two-part acrylic
- Low viscosity: 45 000 cP
- Mix Ratio: 10:1
- Cure speed: Fixture -15 min., full – 24 hrs.
- Shear Strength: 3355 PSI
- Colour: Grey

LOCTITE®

Model No.	Mfg. No.	Size	Price /Each
AD428	83041	490-ml Dual Cartridge	

H8000™ SPEED BONDER™ STRUCTURAL ADHESIVE, FAST FIXTURE



- Medium fixture time, high performance adhesive with excellent peel strength on multiple substrates, especially aluminum
- Two-part acrylic
- 15 minutes work time, 30 minutes fixture time, 24 hrs cure time
- 3250 PSI sheer strength
- Colour: Green

LOCTITE®

Model No.	Mfg. No.	Size	Price /Each
AD134	996453	50 ml Dual Cartridge	
AD897	36160	490 ml Dual Cartridge	

H8600™ SPEED BONDER™



- Extended fixture time, high performance adhesive with excellent impact and shear strength on galvanized steel and aluminum
- Especially designed for severe environments
- Medium work life
- Chemistry: Two-part acrylic
- Viscosity: 86,000 cP
- Mix Ratio: 2:1
- Cure Time: 24 hrs.
- Shear strength: 3355 PSI
- Colour: Blue

LOCTITE®

Model No.	Mfg. No.	Size	Price /Each
AD420	38760	40-lb. Pail, Resin	
AD421	38761	40-lb. Pail, Adhesive	

PLASTIC/COMPOSITE BONDING STRUCTURAL ADHESIVES

- Bonds a wide variety of materials, such as fibreglass, gel coat, thermoplastics, polycarbonate, ABS, PVC, polyethylene and polypropylene
- Specially formulated to provide UV resistance, high impact resistance and peel resistance

LOCTITE®

H4800™ SPEED BONDER™ STRUCTURAL ADHESIVE



- Provides extended open time, making it ideal for the assembly and adjustment of large parts
- Excellent peel and impact resistance
- Provides high bond strengths on composites
- Impact resistance
- Chemistry: Two-part acrylic
- Viscosity: 50 000 cP
- Mix Ratio: 10:1
- Fixture time: 35 minutes
- Cure time: 24 hours
- Shear strength: 3930 PSI
- Colour: Light yellow

Model No.	Mfg. No.	Size	Price /Each
AB968	83045	490-ml Dual Cartridge	

H3101™ SPEED BONDER™ GENERAL PURPOSE ADHESIVE



- General purpose, medium viscosity adhesive ideal for bonding a variety of substrates
- Extended fixture time
- Medium work life
- Chemistry: Two-part acrylic
- Viscosity: 75 000 cP
- Mix Ratio:1:1
- Fixture Time: 25 minutes
- Cure Time: 72 hours
- Shear Strength: 2510 PSI
- Colour: Cream
- NSF/ANSI 61 certified

Model No.	Mfg. No.	Size	Price /Each
AD426	83007	50ml Dual Cartridge	

MULTIPLE SURFACE BONDING STRUCTURAL ADHESIVES

- Bonds a wide variety of materials, such as metal, ceramics and plastics
- Perfect for the following industries: machining & tooling, recreational vehicles, furniture making/repair, structural building components, appliances

330™ DEPEND® NO-MIX ADHESIVE

- A high viscosity adhesive for a wide range of materials including metal, wood, ferrite, ceramic and plastic
- For rough or porous surfaces
- Ideal for gap distances up to 0.030"
- Fixtures in 5 minutes, full in 24 hrs.
- Provides a shear strength of 3300 PSI
- Withstands temperatures to 250°F
- Recommended 7387 primer
- Colour: Amber



LOCTITE

Model No.	Mfg. No.	Size	Price /Each
AB357	1690727	25 ml Kit*	
AC329	1691005	250 ml Kit**	

*Contains 25 ml syringe of Depend 330 and 25 g. aerosol can activator, 7387.
** Contains 250 ml tube of Depend 330 and 4.5 fl. oz. aerosol can activator, 7387.

312™ ACRYLIC ADHESIVES

- Ultra fast setting two-step acrylic
- No mixing required
- Should be used in conjunction with Loctite 736 to create a durable bond on close fitting parts
- Colour: Amber



LOCTITE

Model No.	Mfg. No.	Size	Price /Each
AF082	03333	10 ml Kit	
AF083	00144	50 ml Kit	

H3000 SPEED BONDER™ GENERAL PURPOSE

- A low viscosity adhesive
- Ideal for bonding plastics and composites
- Colour: Tan



LOCTITE

Model No.	Mfg. No.	Size	Price /Each
AC343	83001	50 ml Cartridge	
AF084	83000	400 ml Cartridge	

HYSOL® E-00CL FAST SETTING EPOXY

- Ideal for general purpose bonding, potting, or encapsulating
- Works on a variety of plastic, metal, glass, rubber, wood, and ceramic substrates
- Well suited for applications that require a clear bondline
- Flowable and low odour
- 3-5 minutes worklife
- 1:1 mix ratio (resin:hardener)
- 2000-4000 PSI overlap shear strength
- Colour: Clear



LOCTITE

Model No.	Mfg. No.	Size	Price /Each
AC351	29289	50 ml	
AF085	29290	200 ml	

HYSOL® 1C GENERAL PURPOSE EPOXY

- Bonds, seals, and repairs a wide variety of materials
- For metals, most plastics, and wood
- Alternative formulations are available in grey (6C) and black (11C)
- Gap filling for high temperatures
- 20 minutes worklife
- 2.5:1 mix ratio (resin:hardener)
- 1750 PSI overlap shear strength
- Colour: White



LOCTITE

Model No.	Mfg. No.	Size	Price /Each
AC359	1373425	4 oz. Kit	
AF087	1377344	1 gal. Kit	
AF088	1377777	60-lb. Pail, Resin	
AF089	1377780	40-lb. Pail, Hardener	

HYSOL® E-20HP HIGH PERFORMANCE EPOXY

- Bond strengths to a wide variety of plastics and metals
- Ideal for general purpose industrial assemblies
- High strength, peel, shear and rubber toughened
- 20 minutes worklife
- 2:1 mix ratio (resin:hardener)
- 3000-5000 PSI overlap shear strength
- Colour: Off-white



LOCTITE

Model No.	Mfg. No.	Size	Price /Each
AC348	29314	50 ml Dual Cartridge	
AF090	29315	200 ml Dual Cartridge	
AB926	29316	400 ml Dual Cartridge	
AF091	29317	5 gal. Pail, Resin	
AF092	29318	5 gal. Pail, Hardener	

HYSOL® E-30CL EPOXY

- Glass bonder, low viscosity, impact resistant
- 30 minutes worklife
- 2:1 mix ratio (resin:hardener)
- 2000-4000 PSI overlap shear strength
- Colour: Ultra clear



LOCTITE

Model No.	Mfg. No.	Size	Price /Each
AC350	29329	50 ml	
AF093	29330	200 ml	
AF094	29331	500 ml	

HYSOL® E-60NC POTTING COMPOUND

- Bonding, potting and encapsulating electrical components which are sensitive to corrosion caused by traditional epoxies
- Use in electronic applications, for component attachmentto boards, housing assembly and potting
- Non-corrosive, low viscosity
- 60 minutes worklife
- 1:1 mix ratio (resin:hardener)
- 1000-3000 PSI overlap shear strength
- Colour: Black opaque



LOCTITE

Model No.	Mfg. No.	Size	Price /Each
AC354	29324	50 ml Dual Cartridge	
AF095	29325	200 ml Dual Cartridge	
AF096	29326	400 ml Dual Cartridge	
AF097	29327	5 gal. Pail, Resin	
AF098	29328	5 gal. Pail, Hardener	

331™ STRUCTURAL ADHESIVE ULTRA-FAST FICTURE

- Toughened, activator-cure acrylic
- Acid-free, non-corrosive to sensitive parts
- Fixtures in 20 seconds and develops full strength in 30 minutes
- Excellent high temperature resistance
- Ideal for bonding close-fitting metals and magnets



LOCTITE

Model No.	Mfg. No.	Size	Price /Each
AD126	1057673	25-ml syringe	

50 ML DUAL CARTRIDGE PNEUMATIC APPLICATORS

- Hand held, pneumatically operated dispenser
- Convenient, cost-effective method for the consistent application of two-part adhesives with minimal effort and waste



LOCTITE

Model No.	Mfg. No.	Ratio	Price /Each
AB900	97042	1:1, 2:1	
AF100	1493310	10:1	

400 ML DUAL CARTRIDGE PNEUMATIC APPLICATORS

- Hand held, pneumatically operated meter mix dispenser
- Suited for production line applications
- Adjustable dispense rateis set via the integral air pressure regulator



LOCTITE

Model No.	Mfg. No.	Ratio	Price /Each
AB902	983439	1:1, 2:1	
AE003	985249	10:1	

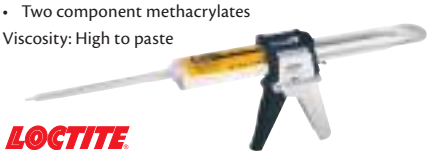
50 ML MANUAL APPLICATOR

- Ergonomically designed for the hand delivery of adhesives and fluids directly from their original package.

DISPENSES:

- Two component epoxies
- Two component urethanes
- Two component methacrylates

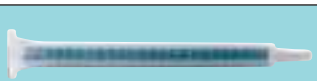
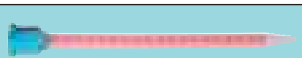
Viscosity: High to paste



LOCTITE

Model No.	Mfg. No.	Ratio	Price /Each
AB347	98472	1:1, 2:1	
AD129	1034026	10:1	

STATIC MIX NOZZLES AND ACCESSORIES

	Model No.	Mfg. No.	Description	Package Quantity	Price /Each
	**AD902**	98444	50 ml square mix nozzle, luer/ stepped combo tip, 3.25". Overall length, 5.3 mm^2, 16 elements; 1:1, 2:1 mix ratios	10	
	**AC368**	98473	50 ml Square Mix Nozzle, Luer/ Stepped combo tip, 4.5". Overall length, 5.3 mm^2, 24 elements; 1:1, 2:1, 4:1 mix ratios	10	
	**AB345**	98455	50 ml mix nozzle, stepped tip, 6.0". Overall length, 6.35 mm diameter, 21 elements; 1:1, 2:1, 4:1 mix ratios	10	
	**AD128**	1034575	50 ml-S mix nozzle, stepped Tip, 6.2". Overall length, 6.5 mm ID, 20 elements; 10:1-S cartridges only	10	
	**AD934**	98474	200/400 ml square mix nozzle, stepped Tip, 5.1". Overall length, 7.5 mm^2, 24 elements; 1:1, 2:1 mix ratios	10	
	**AD932**	98457	200/400 ml mix nozzle, stepped tip, 8.8". Overall length, 8 mm diameter, 24 elements; 1:1, 2:1 mix ratios	10	
	**AD437**	1084255	490 ml mix nozzle, stepped tip, 9.1". Nozzle length, 8 mm diameter, 10:1 mix ratio	10	
	**AD438**	1084092	490 ml mix nozzle, stepped tip, 11.2". Nozzle length, 10 mm diameter, 10:1 mix ratio	10	

Can't find what you're looking for?
Call us today!



PROFESSIONAL GLUE GUNS

- Perfect for light-duty carton sealing or small manufacturing projects
- Accepts 7/16" diameter regular glue sticks
- Trigger design for better grip control
- Features precise, even adhesive distribution
- 120 volts / 80 watts heater
- Comes with metal wire stand

Model No. PE339
Price/Each $

aurora tools®



HEAVY-DUTY GLUE GUNS

- Ideal for medium to heavy-duty applications
- Accepts 7/16" diameter regular glue sticks
- Ergonomic trigger design for better grip and comfort
- Features precise, even adhesive distribution
- Illuminated on/off switch
- 120 volts / 100 watts heater
- Comes with metal wire stand

Model No. PE340
Price/Each $

aurora tools®



GLUE STICKS

Model No.	Appearance	Viscosity	Melting Point	Typical Applications	Dimensions"	Qty/Box	Price/Each
PE341	Clear	11000-13000	77-82°C/170-180°F	High strength, high temp, for non porous materials such as metal and plastics	7/16 x 4	2000	
PE342	Clear	11000-13000	77-82°C/170-180°F	High strength, high temp, for non porous materials such as metal and plastics	7/16 x 10	803	
PE343	Amber	5000	95°C/203°F	For porous materials such as corrugated boxes or wood	7/16 x 15	536	
PE541	Clear	9400	80°C/176°F	All temp. all purpose for porous and non-porous materials	7/16 x 10	803	

POLYGUN™ EC

- Delivers 2.6 to 5.5 lbs of adhesive/hour
- Electric,120 V - 350 W
- Temperature 260°-450°F

Model No. PC757
Price/Each $

3M



JET MELT™ GLUE STICKS

- Ideal for corrugated, beadboard, packaging etc.
- Low odour
- 8" long x 5/8" diameter
- Colour: Light amber

Model No. AB412
Price per 11-lb case $

3M

76 HIGH TACK ADHESIVE

- Bonds fabric, paper, cork, foil, rubber, etc.
- Bonds to themselves and to metal, wood, glass and other surfaces
- 24 oz. can
- Net content: 18.1 oz.

Model No. PA002
Price/Each $



3M

SUPER 77 SPRAY ADHESIVE

- Ideal for permanently attaching cartons, foams, paper, foils, cardboard, carpeting, cloth fabric
- Other lightweight materials to painted or unpainted metals, wood, cardboard and themselves
- 24 oz. can
- Net content: 16.5 oz.

Model No. PA003
Price/Each $



3M

72 PRESSURE SENSITIVE ADHESIVE

A fast holding strength, aggressive tack and repositionable adhesive. Precise spray control, wide spray pattern and low soak-in.
Colour: Blue.

- Polyethylene film and foam bonding, carpet bonding
- Temporary positioning and holding fabric and paper
- Pipe insulation lap adhesive
- Swimming pool liners
- 24 oz. can
- Net volume: 17.33 oz.

Model No. AA556
Price/Each $



3M

90 HIGH STRENGTH ADHESIVE

- Adheres particle board, polyethylene, polypropylene and rubber to wood metal and many other materials
- Fast contact strength, yet needs only 1 to 2 minutes of drying time
- Colour: Transparent
- 24 oz. can
- Net content: 17.6 oz.

Model No. PA001
Price/Each $



3M

3M SCOTCH® ADHESIVE REMOVER PENS

- Use it to prepare surfaces for bonding, remove tape residue, or clean small areas after abrading
- Convenient pen tip that allows precise surface cleaning
- Ideal for desks, workstations or toolboxes
- Small enough to carry in your pocket
- 12 pens per case

Model No. PC692
Price/Each $

3M





AC50 SPRAY ADHESIVE

- General purpose spray adhesive
- Fast tack
- Web spray pattern
- Bonds to most lightweight materials
- Size: 12 oz.

Model No. AE850
Mfg No. 82758
Price/Each $

ipg



GENERAL PURPOSE MASKING TAPE

- Ideal for bundling, splicing, masking and labelling
- Temperature performance: not exceeding 175°F (80°C) for up to 60 minutes
- Non-staining
- 55 m (180') per roll



Priced per Roll

Model No.	Width	Rolls /Case	Price /Each
UTILITY GRADE LIGHT-DUTY #513			
PF047	12 mm (1/2")	72	
PF048	18 mm (3/4")	48	
PF049	24 mm (1")	36	
PF050	36 mm (1 1/2")	24	
PF051	48 mm (2")	16	
GENERAL GRADE LIGHT-DUTY #515			
PA654	12 mm (1/2")	72	
PA655	18 mm (3/4")	48	
PA656	24 mm (1")	36	
PA657	36 mm (1 1/2")	24	
PA658	48 mm (2")	24	
MEDIUM GRADE LIGHT-DUTY #519			
PB818	18 mm (3/4")	48	
PB819	24 mm (1")	36	
PB820	36 mm (1 1/2")	24	
PB821	48 mm (2")	24	

HIGHLAND™ 203 MASKING TAPE

- General purpose • Pressure sensitive
- Ideal for holding, bundling, sealing and non-critical masking
- 55 m (180') per roll



Priced per Roll

Model No.	Width	Rolls /Case	Price /Each
AMA015	12 mm (1/2")	72	
PC049	18 mm (3/4")	48	
PC050	24 mm (1")	36	
PC051	36 mm (1 1/2")	24	
PC052	48 mm (2")	24	
PC588	72 mm (3")	12	

PREMIUM GRADE ORANGE MASKING TAPE

- High performance, superior adhesion, UV resistance and high conformability
- Designed for paint masking requiring clean and easy removal from a variety of hot or cold surfaces
- Clean removal in one piece – residue free
- UV resistant up to 3 days
- 55 m (180') per roll



Priced per Roll

Model No.	Width	Rolls /Case	Price /Each
PF303	18 mm (3/4")	48	
PF304	24 mm (1")	36	
PF305	36 mm (1 1/2")	24	
PF306	48 mm (2")	24	

HIGH TEMPERATURE MEDIUM GRADE PAPER MASKING TAPE

- Smooth, crepe masking tape with a pressure-sensitive, natural rubber adhesive
- Good quick stick and holding properties
- Typical temperature ranges from room temperature to 325°F (160°C) for 20 to 40 minutes
- Designed for paint masking requiring adhesion to a variety of surfaces
- Length: 55 m (180') per roll
- Colour: Beige



Priced per Roll

Model No.	Width	Rolls /Case	Price /Each
PF559	18 mm (3/4")	48	
PF560	24 mm (1")	36	
PF561	36 mm (1 1/2")	24	
PF562	48 mm (2")	24	

101+ VALUE MASKING TAPE

- Cost effective solution for indoor light-duty applications
- Provides conformability around corners
- Ideal for marking, temporary holding, wrapping, and sealing
- Easy to tear, apply, and remove
- Withstands surface temperatures up to 150°F
- Manufacturer Colour: Tan



Priced per Roll

Model No.	Width	Length	Price /Each
AF338	12 mm (1/2")	55 m (180')	
AF339	18 mm (3/4")	55 m (180')	
PF499	24 mm (1")	55 m (180')	
PF500	36 mm (1-1/2")	55 m (180')	
PF501	48 mm (2")	55 m (180')	
AF340	72 mm (3")	55 m (180')	

201+ GENERAL USE MASKING TAPE

- The tough tape for everyday jobs • General indoor use
- Light-to-medium duty applications
- Smooth and conformable
- Sticks with confidence to a wide variety of surfaces
- Easy to handle, apply and remove in one piece
- Ideal for bundling, labeling and identifying
- 55 m (180') per roll



Priced per Roll

Model No.	Width	Rolls /Case	Price /Each
PF504	12 mm (1/2")	72	
PF505	18 mm (3/4")	48	
PF506	24 mm (1")	36	
PF507	36 mm (1 1/2")	24	
PF508	48 mm (2")	24	
PF509	72 mm (3")	12	

501+ HIGH TEMPERATURE MASKING TAPE

- The highest degree of industrial performance
- Exceptionally conformable to irregular surfaces
- Superior adhesion to metal, rubber, glass and plastic
- Removes cleanly in one piece with no residue
- Extra-strong backing resists bleed-through from most industrial paints
- Creates super-sharp paint lines
- Ideal for all high temperature paint baking, fascia painting and pipe coating applications
- Withstands surface temperatures up to 149°C (300°F) for 30 minutes
- Length: 55 m (180') per roll



Priced per Roll

Model No.	Width	Rolls /Case	Price /Each
PF538	18 mm (3/4")	48	
PF539	24 mm (1")	36	
PF540	36 mm (1 1/2")	24	
PF541	48 mm (2")	24	
PF542	72 mm (3")	12	

UTILITY GRADE COLOURED MASKING TAPE

- Medium crepe paper masking tape coated with a pressure-sensitive rubber bases adhesive
- Product is not printable
- Designed for light-weight packaging, bag sealing, decorative edging, marking and color coding
- 55 m (180') per roll



IDENTIFICATION #561

Priced per Roll

Model No.	Width	Colour	Rolls /Case	Price /Each
PF285	18 mm (3/4")	Black	96	
PF286	24 mm (1")	Black	36	
PF287	48 mm (2")	Black	24	
PF294	18 mm (3/4")	Red	96	
PF288	24 mm (1")	Red	72	
PF289	48 mm (2")	Red	48	
PF290	18 mm (3/4")	Light Blue	96	
PF291	24 mm (1")	Light Blue	72	
PF292	48 mm (2")	Light Blue	48	
PF293	18 mm (3/4")	Light Green	96	

TAPE & ADHESIVE

VINYL DUCT TAPE 3903

- General purpose vinyl duct tape
- Ideal for sealing and protecting surfaces and openings from dust, dirt and moisture
- Good for colour coding, general maintenance as well as wrapping and bundling
- Leaves less adhesive residue on surfaces than the traditional cloth duct tapes
- Easy to tear by hand
- 50 mm x 45.5 m (2" x 149.25')
- Thickness: 6.3 mils



Priced per Roll

Model No.	Colour	Rolls /Case	Price /Each
PB961	Grey	24	
PB962	Blue	24	
PB963	Green	24	
PB964	Yellow	24	
PB965	White	24	

ECONOMY GRADE COLOURED DUCT TAPE 3900

- Ideal for everyday sealing
- Waterproof
- 48 mm x 55 m (2" x 180')
- Thickness: 8 mils



Priced per Roll

Model No.	Colour	Rolls /Case	Price /Each
PC420	Black	24	
PC421	Blue	24	
PC422	Olive	24	
PC423	Red	24	
PC424	White	24	
PA673	Yellow	24	

3M™ 3939 HEAVY-DUTY DUCT TAPE

- Ideal for many duct and moisture sealing, holding, protecting, and bundling applications
- Polyethylene coated cloth backing
- Rubber adhesive
- High tack
- Easy tear
- 48 mm x 55 m (2" x 180')
- Thickness: 9 mils



Priced per Roll

Model No.	Colour	Rolls /Case	Price /Each
PC419	Silver	24	

MULTI-PURPOSE SILVER DUCT TAPE

- Ideal for many duct and moisture sealing, holding, protecting and bundling applications
- Polyethylene coated cloth backing
- Rubber adhesive, high tack, easy tear
- 48 mm x 45.7 m (2" x 150')
- Thickness: 6 mils



Priced per Roll

Model No.	Colour	Rolls /Case	Price /Each
PE464	Silver	24	

PREMIUM BOPP FILM HVAC TAPE

- Acrylic based pressure-sensitive adhesive combined with the conformability/flexibility of biaxially oriented polypropylene (BOPP) film
- Provides superior sealing, protective benefits, and ease of handling
- Printed for easy identification/inspection and resistant to mold growth and high humidity
- Designed and engineered for use on Class 1 flexible duct for permanent seaming and sealing to enhance appearance and provide barrier protection
- All temperature rates, flame retardant, high shear, aggressive, and UV resistant
- Superior bonding at sub-zero or at elevated temperatures
- UV/temperature resistant acrylic adhesive combined with inorganic polypropylene film provides the longest lasting closure method
- Ideal for HVAC applications
- Intended for use on UL listed flexible duct (or other) meeting UL-181 standards
- Thickness: 3 mils
- Length: 109.9 m/360'



Priced per Roll

Model No.	Width	Colour	Rolls /Case	Price /Each
PF577	48 mm (2")	Black	24	
PF578	48 mm (2")	Metalized	24	

UTILITY GRADE DUCT TAPE AC20

- Polyethylene coated cloth backing
- A very aggressive adhesive that bonds to almost any surface
- Good conformability and is water resistant and tear resistant
- 48 mm x 55 m (2" x 180')
- Thickness: 9 mils



Priced per Roll

Model No.	Colour	Rolls /Case	Price /Each
PB953	Silver Grey	24	
PB954	Black	24	
PB955	Orange	24	
PB956	Dark Blue	24	
PB957	Red	24	
PB958	White	24	
PB959	Yellow	24	

UTILITY GRADE DUCT TAPE AC10

- Ideal for wrapping, sealing and general use
- Conforms to irregular shapes
- Tensile strength: 18 lbs/in.
- 55 m (180') per roll



Price per Roll

Model No.	Width	Thickness Mils	Rolls /Case	Price /Each
PF052	48 mm (2")	7.5	24	
PF053	72 mm (3")	7.5	16	
PF132	48 mm (2")	6	24	

ALUMINUM FOIL TAPE

- For general purpose seaming, patching and sealing
- Acrylic adhesive has excellent adhesion to clean/dry surfaces
- Applications include HVAC duct wrap, protective mask for chemical stripping
- Temperature resistance: -37 °C to 176 °C



Priced per Roll

Model No.	Dimensions	Thickness Mils	Rolls /Case	Price /Each
PE553	48 mm x 54.8 m (2" x 180')	2	24	
PE554	72 mm x 54.8 m (3" x 180')	2	16	
PF307	48 mm x 45.7 m (2" x 150')	1.5	24	
PF308	72 mm x 45.7 m (3" x 150')	1.5	16	

DOUBLE-SIDED POLYESTER FILM TAPE

- Ideal for general mounting and holding
- Polyester film coated on both sides with a high shear strength adhesive; silicone paper liner
- Ideal for carpet laying, trophies, mouldings and picture frames
- Bonds to paper, foil and plastic film
- 180' (55 m) per roll
- Thickness: 6.5 mils



Priced per Roll

Model No.	Width	Rolls /Case	Price /Each
PE826	24 mm (1")	48	
PE827	48 mm (2")	24	

DOUBLE-SIDED PAPER TAPE

- Made of thin kraft and rope fibre tissue, coated on both sides with an aggressive high shear strength adhesive; silicone paper liner
- Features include thinness and ease of application
- 108' (33 m) per roll
- Thickness: 5 mils



Priced per Roll

Model No.	Width	Rolls /Case	Price /Each
PA677	12 mm (1/2")	72	
PA678	24 mm (1")	36	
PA679	48 mm (2")	24	

VINYL TAPE 471

- Ideal for many colour coding, abrasion protection, sealing,patching, splicing, wrapping and general purpose applications
- For use around fire extinguishers, electrical equipment
- 33 m (36 yards) per roll



Priced per Roll

Model No.	Width	Colour	Rolls /Case	Price /Each
PC589	1/2" (12 mm)	Red	72	
PC590	1/2" (12 mm)	Blue	72	
PC591	1/2" (12 mm)	Yellow	72	
PC592	1/2" (12 mm)	White	72	
AMC510	3/4" (18 mm)	Red	48	
AMC461	3/4" (18 mm)	Blue	48	
AMC547	3/4" (18 mm)	Yellow	48	
AMC533	3/4" (18 mm)	White	48	

DOUBLE COATED POLYETHYLENE FOAM TAPE 4466

- 1/16", thick closed cell polyethylene foam carrier
- High tack rubber adhesive
- 3.0-mils, densified kraft liner
- Temperature and environmental resistant
- Colour: White



Priced per Roll

Model No.	Width	Rolls /Case	Price /Each
PB921	1/2" x 36 yds.	18	

UTILITY GRADE DUCT TAPE

- Ideal for a wide variety of projects and appliances
- Water resistant
- Easy to tear
- Width: 50 mm (2")



Priced per Roll

Model No.	Length	Thickness	Price /Each
PF689	45 m (150')	6 mils	
PF688	55 m (180')	9 mils	

SCOTCH® ATG ADHESIVE APPLICATORS

- Pressure sensitive two-way adhesive can be applied exactly where needed
- Ideal for mounting, splicing or bonding
- Can be used in a broad range of industries, including printing, furniture manufacturing, electronics, appliances, signs and displays, automotive and others
- ATC system applies 2-mils reinforced clear acrylic adhesive and simultaneously rewinds the tape liner inside the dispenser

Model No. PA974
Mfg. No. ATG-700
Price/Each $



TAPE

Priced per Roll

Model No.	Mfg. No.	Width	Rolls /Case	Price /Each
PA612	924-12	1/2" x 108' Tape	72	
PA613	924-19	3/4" x 108' Tape	48	

TEFLON® TAPE

WATER LINES THREADS

- Provides fast positive seal for water lines, sewage, and sprinkler systems
- Effective on metal or plastic threads
- 3-mils thick, density 1.35-1.50 grams/cubic centimetre
- Complies with MIL-T-27730A
- Colour: Pink



GAS LINES THREADS

- Especially for natural gas, propane, butane, water, oil and chemical lines
- 4-mils thick, density 1.35-1.50 grams/cubic centimetre
- Complies with MIL-T-22230A (ASG), UL 31 RO, AGA 3226 and CAN/ULC-S642
- Colour: Yellow



Priced per Roll

Model No.	Width"	Colour	Rolls /Case	Price /Each
PD095	1/2 x 260	Pink	50	
PD096	1/2 x 260	Yellow	100	

TEFLON® THREAD SEALANT TAPE

- For use in sealing threaded pipe joints
- Non-toxic composition suitable for solvents, chemicals, oxygen and on food lines
- Permits easy disassembly even after years of service
- Works under pressures up to 10 000 PSI and temperatures from -450°F to 550°F



Priced per Roll

Model No.	Width	Rolls /Case	Price /Each
PA684	1/2 x 520	144	
PA685	3/4 x 520	144	

PAINTERS MASKING TAPE

- High quality painting tape adheres to multiple surfaces
- Reliable adhesion resists paint bleed-through
- Removes cleanly in one piece
- Length: 55 m (180')
- Colour: Green



Priced per Roll

Model No.	Width	Price /Each
PF690	25 mm (1")	
PF691	50 mm (2")	

TAPE & ADHESIVE

ELECTRICAL TAPE

- Vinyl plastic
- Excellent recovery, molds snugly to any surface
- Ideal for electrical splicing and insulation; protection against solvents and corrosion
- For use between -7°C and 80°C
- Thickness: 7 mils
- CSA approved



Priced per Roll

Model No.	Colour	Dimensions	Price /Each
XE890	Black	3/4" x 60' (18 mm x 18 m)	
XC545	Red	3/4" x 66' (18 mm x 20.1 m)	
XC546	Green	3/4" x 66' (18 mm x 20.1 m)	
XC547	Blue	3/4" x 66' (18 mm x 20.1 m)	
XC548	White	3/4" x 66' (18 mm x 20.1 m)	
XC549	Yellow	3/4" x 66' (18 mm x 20.1 m)	

TEMFLEX™ ELECTRICAL TAPE

- General purpose, flexible vinyl tape designed for indoor or short term use and bundling
- Temperature rating: 176°F/80°C
- Colour: Black
- Thickness: 7 mil
- UL and CSA approved



Priced per Roll

Model No.	Dimensions	Roll /Case	Price /Each
PC695	3/4" x 60' (19 mm x 18.3 m)	100	

SCOTCH® SUPER 88 VINSL TAPE

- All weather, premium grade vinyl tape for primary insulation up to 600 V or protective jacketing for low/medium voltage cable splices
- Aggressive adhesive and elastic backing ensures easy conformation to irregular surfaces for moisture tight electrical and mechanical protection
- Will perform in a continuous temperature environment up to 220°F (105°C)
- Conformable for cold weather applications: 0°F (-18°C)
- Thickness: 8.5 mils
- Colour: Black
- UL and CSA approved



Priced per Roll

Model No.	Dimensions	Roll /Case	Price /Each
PC694	3/4" x 66' (19 mm x 20.1 m)	100	

SCOTCH® 130C LINERLESS RUBBER SPLICING TAPE

- Highly conformable, linerless self-bonding ethylene propylene rubber (EPR) tape for insulating all solid dielectric cables up to 69 kV
- Excellent thermal dissipation of splice heat
- Meets industry specifications, excellent physical and electrical properties
- Immediate moisture sealing and void-free buildups
- Rated up to 194°F (90°C) continuous operation and up to 266°F (130°C) short-term overload service
- Having no liner makes jobs easier and saves time
- Thickness: 30 mils



Priced per Roll

Model No.	Dimensions	Rolls/Case	Price/Each
XC323	1" x 30'	24	

SCOTCH® SUPER 33+ VINYL TAPE

- All weather, premium grade vinyl tape for primary insulation up to 600 V or protective jacketing for low/medium voltage cable splices and repairs
- Aggressive adhesive and elastic backing ensures easy conformation to irregular surfaces for moisture tight electrical and mechanical protection
- Will perform in a continuous temperature environment up to 220°F (105°C)
- Conformable for cold weather applications: 0°F (-18°C)
- Thickness: 7 mil
- Colour: Black
- UL and CSA approved



Priced per Roll

Model No.	Dimensions	Roll /Case	Price /Each
PC693	3/4" x 66' (19 mm x 20.1 m)	100	

SCOTCH® 35 COLOUR CODING VINYL TAPE

- Premium grade vinyl electrical colour-coding tape for phase and job identification and safety
- Heavy-duty, premium grade
- Temperature rating: 220°F/105°C
- Thickness: 7 mil
- UL and CSA approved



Priced per Roll

Model No.	Colour	Dimensions	Rolls /Case	Price /Each
PC696	Blue	1/2" x 20'	100	
PC720	Green	1/2" x 20'	100	
PC721	Red	1/2" x 20'	100	
PC722	White	1/2" x 20'	100	
PC723	Yellow	1/2" x 20'	100	
XC309	Orange	1/2" x 20'	100	
PE118	Blue	3/4" x 66'	100	
PE120	Green	3/4" x 66'	100	
XC312	Red	3/4" x 66'	100	
PE119	White	3/4" x 66'	100	
XC314	Yellow	3/4" x 66'	100	
XC315	Orange	3/4" x 66'	100	

SCOTCH® 27 GLASS CLOTH ELECTRICAL TAPE

- Ideal for electrical maintenance applications
- Woven glass cloth tape with a rubber thermosetting pressure-sensitive adhesive
- Edge-tear resistant, conformable, abrasion resistant
- For use as a coil cover, anchor, banding and core, layer and crossover insulation, and for heat-stable insulation for furnace and oven controls, motor leads, and switches
- Thickness: 7 mils
- UL recognized 130°C/266°F



Priced per Roll

Model No.	Dimensions	Rolls/Case	Price/Each
XC322	3/4" x 66' (19 mm x 20.1 m)	50	

COLOURFLEX™ TAPE

- General purpose colour coding vinyl tape
- Thickness: 7 mils

Priced per Roll



Model No.	Colour	Dimensions	Roll /Case	Price /Each
XC316	Blue	3/4" x 60'	100	
XC317	Green	3/4" x 60'	100	
XC318	Red	3/4" x 60'	100	
XC319	White	3/4" x 60'	100	
XC320	Yellow	3/4" x 60'	100	
XC321	Orange	3/4" x 60'	100	

PROFESSIONAL PAINTER'S MASKING TAPE

- Quality blue fine-paper crepe-backed painter's tape
- Can be exposed to direct sunlight and high humidity levels for up to 14 days
- Provides very clean paint lines and removes easily, will not leave any residue
- Premium masking performance on glass, trim, walls and fresh paint (within 24 hours)
- Tensile strength: 23 lbs/in.
- 55 m (180') per roll



Priced per Roll

Model No.	Width	Price /Each
PD082	18 mm (3/4")	
PD083	24 mm (1")	
PD084	36 mm (1 1/2")	
PD085	48 mm (2")	

PROFESSIONAL PAINTER'S/ WEATHERABLE MASKING TAPE

- High quality green coarse crepe paper coated with synthetic rubber
- Excellent UV resistance
- Can be left in place up to 8 days
- Premium masking performance on glass, trim, walls and fresh paint (within 24 hours)
- Secure adhesion, resistant to humidity, stain and paint bleed through
- Conformability and clean removal
- Tensile strength: 18 lbs/in.
- 55 m (180') per roll



Priced per Roll

Model No.	Width	Price /Each
PC520	18 mm (3/4")	
PC521	24 mm (1")	
PC522	36 mm (1 1/2")	
PC523	48 mm (2")	

AMERICAN® AQUA MASK™ MEDIUM GRADE MASKING TAPE

- Cost effective masking tape designed to perform in many transportation masking applications
- Rubber-based adhesive provides excellent secure adhesion to both painted and bare metals and plastics
- Removes cleanly without adhesive residue, paint "flaking" from backside or surface staining
- Applications also include marine and composites, bus, truck, RV, automotive aftermarket and automotive OEM
- Length: 55 m (180') per roll



Priced per Roll

Model No.	Width	Rolls /Case	Price /Each
PF057	18 mm (3/4")	48	
PF058	24 mm (1")	36	
PF059	36 mm (1 1/2")	24	
PF060	48 mm (2")	24	

PROFESSIONAL GLUE GUNS

- Perfect for light-duty carton sealing or small manufacturing projects
- Accepts 7/16" diameter regular glue sticks
- Trigger design for better grip control
- Features precise, even adhesive distribution
- 120 volts / 80 watts heater
- Comes with metal wire stand

Model No. PE339 Price/Each $



HEAVY-DUTY GLUE GUNS

- Ideal for medium to heavy-duty applications
- Accepts 7/16" diameter regular glue sticks
- Ergonomic trigger design for better grip and comfort
- Features precise, even adhesive distribution
- Illuminated on/off switch
- 120 volts / 100 watts heater
- Comes with metal wire stand

Model No. PE340 Price/Each $



GLUE STICKS

Priced per Stick

Model No.	Appearance	Viscosity	Melting Point	Typical Applications	Dimensions"	Qty /Box	Price /Each
PE341	Clear	11 000-13000	77-82°C/170-180°F	High strength, high temp, for non porous materials such as metal and plastics	7/16 x 4	2000	
PE342	Clear	11 000-13000	77-82°C/170-180°F	High strength, high temp, for non porous materials such as metal and plastics	7/16 x 10	803	
PE343	Amber	5000	95°C/203°F	All temp. for porous materials such as corrugated boxes or wood	7/16 x 15	536	
PE541	Clear	9400	80°C/176°F	All temp. all purpose for porous and non-porous materials	7/16 x 10	803	

POLYGUN™ EC APPLICATORS

- Delivers 2.6 to 5.5 lbs of adhesive/hour
- Electric,120 V - 350 W
- Temperature 260°-450°F

Model No. PC757
Price/Each $



JET MELT™ GLUE STICKS

- Ideal for corrugated, beadboard, packaging etc.
- Low odour
- 8" long x 5/8" diameter
- Colour: Light amber

Model No. AB412
Price per 11-lb Case $



6120 HIGH TEMPERATURE MASKING TAPE

- Polyester (PET) film backing with a silicone adhesive
- Performs well in masking surfaces for complex operations such as powder coatings
- PET backing provides flexibility/conformability, solvent resistance, and chemical resistance
- Removes without leaving residue on surfaces
- Precision cut for tear resistance and clean, crisp paint lines
- 48 mm x 66 m (2" x 216') per roll

Model No. PF207
Price/Each $



TAPE & ADHESIVE

GORILLA DUCT TAPE

- Heavy-duty, double-thick duct tape
- Made to adhere to rough and uneven surfaces
- Withstands moisture, UV rays and temperature extremes
- Heavy-duty cloth backing provides incredible strength and heft
- Easy to tear by hand
- Thickness: 17 mils



Priced per Roll

Model No.	Width	Length	Colour	Price /Each
NKA484	48 mm (1-7/8")	8.23 m (27')	Mossy Oak Camo	
AF418	48 mm (1-7/8")	9.14 m (30')	White	
NKA501	48 mm (1-7/8")	10.97 m (36')	Black	
AF416	48 mm (1-7/8")	13.72 m (36')	Silver	
NKA485	48 mm (1-7/8")	27.43 m (90')	White	
NKA500	48 mm (1-7/8")	32 m (105')	Black	
NKA487	48 mm (1-7/8")	32 m (105')	Grey	

HIGH-VISIBILITY GORILLA DUCT TAPE

- Heavy-duty, double-thick duct tape
- Made to adhere to rough and uneven surfaces
- Withstands moisture, UV rays and temperature extremes
- Heavy-duty cloth backing provides incredible strength and heft
- Easy to tear by hand
- Blaze orange colour is perfect for marking objects
- Thickness: 17 mils



Priced per Roll

Model No.	Width	Length	Price /Each
AF417	48 mm (1-7/8")	32 m (105')	

GORILLA REPAIR TAPE

- Heavy-duty tape that is ideal for fixing, patching, sealing, holding and protecting almost any surface
- Crystal clear appearance will not yellow outdoors
- Withstands moisture, UV rays and temperature changes
- Colour: Clear



Priced per Roll

Model No.	Width	Length	Price /Each
AF419	38 mm (1-1/2")	4.57 m (15')	

GORILLA DUCT TAPE TO-GO

- Heavy-duty, double-thick duct tape
- Made to adhere to rough and uneven surfaces
- Withstands moisture, UV rays and temperature extremes
- Heavy-duty cloth backing provides incredible strength and heft
- Easy to tear by hand
- Convenient travel size
- Colour: Black
- Thickness: 17 mils



Priced per Roll

Model No.	Width	Length	Price /Each
NKA488	25.4 mm (1")	9.14 m (30')	

TOUGH & WIDE BLACK GORILLA DUCT TAPE

- Heavy-duty, double-thick duct tape
- Made to adhere to rough and uneven surfaces
- Withstands moisture, UV rays and temperature extremes
- Heavy-duty cloth backing provides incredible strength and heft
- Easy to tear by hand
- Colour: Black
- Thickness: 17 mils



Priced per Roll

Model No.	Width	Length	Price /Each
NKA483	73 mm (2-7/8")	27.43 m (90')	

GORILLA TOUGH & CLEAR MOUNTING TAPE

- For use on: Metal, wood, glass, brick, ceramic, stone, most plastics
- Clear double-sided tape that mounts in an instant
- Creates a long-lasting weatherproof bond
- Holds up to 10 lbs.
- Won't yellow over time
- Colour: Clear



Priced per Roll

Model No.	Width	Length	Price /Each
NKA486	25.4 mm (1")	1.52 m (5')	

RMP-ECO®

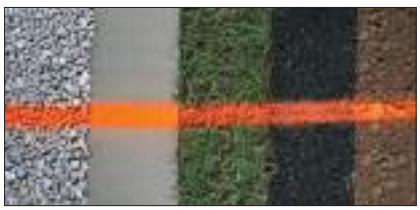
RMP-ECO® cleaning products are the Green solution to industrial cleaning. All RMP-ECO® products are UL ECOLOGO® certified. RMP-ECO® is safe for you and the environment.



INDUSTRIAL QUICK-MARK™ INVERTED MARKING PAINT

KRYLON INDUSTRIAL

- Offers the largest tip size for the highest delivery rate
- Offers the most amount of solids ensuring bold, bright and visible markings in one pass
- Adheres to gravel, concrete, grass and soil even in the harshest temperatures and inclement weather conditions
- Features advanced UV-resistant, fast drying formula that will not fade in extreme sun and will penetrate and adhere to hot, cold or wet surfaces
- Offers a patent locking, non clogging tip that ensures use in the toughest condition while also keeping the tip from coming loose or falling off even with repetitive wand usage
- Opening on the Glove Grip™ cap is 50% wider than any other cap design on the market to accommodate work gloves
- Ideal for applications such as marking gas, water, electrical, phone/telecommunication, sewer/drain and other utility lines as well as proposed excavation, road and survey marking
- Available in both water based formulation for moderate-term markings and solvent-based formulation for long lasting applications
- VOC/MIR compliant





Model No.	Colour	Size Can (Net)	Price /Each
WATER BASED APWA COLOURS			
NC332	Utility Yellow	20 oz. (17 oz.)	
NC331	Brilliant White	20 oz. (17 oz.)	
WATER BASED FLUORESCENT COLOURS			
NC334	Safety Red	20 oz. (17 oz.)	
NC335	Pink	20 oz. (17 oz.)	
NC336	Caution Blue	20 oz. (17 oz.)	
NC337	Safety Green	20 oz. (17 oz.)	
NC338	Red/Orange	20 oz. (17 oz.)	
NC333	Orange	20 oz. (17 oz.)	
SOLVENT BASED APWA COLOURS			
NC328	Red	20 oz. (17 oz.)	
NC326	Blue	20 oz. (17 oz.)	
NC329	Green	20 oz. (17 oz.)	
NC327	Bright Orange	20 oz. (17 oz.)	
NC325	High Visibility Yellow	20 oz. (17 oz.)	
NC324	Utility White	20 oz. (17 oz.)	
SOLVENT BASED FLUORESCENT COLOURS			
NC322	Safety Red	20 oz. (17 oz.)	
NC323	Neon Green	20 oz. (17 oz.)	
NE260	Purple	20 oz. (17 oz.)	
NE262	Hot Pink	20 oz. (17 oz.)	
NC320	Red/Orange	20 oz. (17 oz.)	
NC321	Orange	20 oz. (17 oz.)	
SOLVENT BASED GENERAL PURPOSE			
NC330	Asphalt Black	20 oz. (17 oz.)	
AD361	Clear	20 oz. (17 oz.)	

MARKING WANDS

- Constructed of durable, rugged plastic and lightweight steel
- Comfortable pistol grip for easy handling and marking
- Apply a uniform 1" to 1 1/2" width of paint

SPOTTER HAND HELD SHORT WAND 12"

Model No. NC309
Price/Each $



NC309

HAND HELD LONG WAND 34"

Model No. NC310
Price/Each $



NC310

KRYLON INDUSTRIAL

INDUSTRIAL OVERHEAD MARKING PAINT

KRYLON INDUSTRIAL

- Overhead marking paint sprays in an upright position, dries fast and is a low odour formula
- Penetrates and clings to uneven surface
- Mine marking, excavation and bridge marking
- Bright fluorescent colours • Fast drying
- Low odour • Case Qty: 12 cans
- VOC & MIR compliant

Application: For use in marking mines,underground utilities, construction, excavation sites and bridges



Priced per Can

Model No.	Colour	Size Can (Net)	Price /Each
KP091	Fluorescent Red	20 oz. (17 oz.)	
KP092	Fluorescent Orange	20 oz. (17 oz.)	
KP093	Fluorescent Green	20 oz. (17 oz.)	

CONSTRUCTION INVERTED MARKING PAINT

- This water-based formula is especially designed for the rigorous demands of construction, excavation, surveying, landscaping and other commercial operation
- Best resistance to early fading and chalking
- Excellent visibility on concrete, pavement, dirt, gravel, grass and more
- Sprays at any angle: upright, horizontal, inverted
- For use on: Utility, construction, excavation, surveying, landscape, golf course markings
- Surface coverage: 400 linear feet at 1 inch



RUST-OLEUM

Model No.	Mfg. No.	Colour	Size Can (Net)	Price /Each
COLOURS				
KP459	264693	Clear	20 oz. (15 oz.)	
KP452	264692	White	20 oz. (15 oz.)	
KP453	264696	Safety Red	20 oz. (15 oz.)	
KP455	264694	Caution Blue	20 oz. (15 oz.)	
FLUORESCENT COLOURS				
KP456	264695	High Visibility Yellow	20 oz. (15 oz.)	
KP457	264699	Fluorescent Red Orange	20 oz. (15 oz.)	
KP458	264700	Fluorescent Green	20 oz. (15 oz.)	
KP454	264702	Fluorescent Pink	20 oz. (15 oz.)	
KP460	264697	Fluorescent Orange	20 oz. (15 oz.)	

PRECISION INVERTED MARKING PAINT

- Creates accurate, easy-to-read markings in bright, durable colors
- Resists early fading and chalking
- Adheres to hot surfaces; can be sprayed in the cold (as low as 25°F)
- For use on: Utility, construction, excavation, surveying, landscaping
- Surface coverage: Approximately 600-700 linear feet at 1 inch wide



RUST-OLEUM

Model No.	Mfg. No.	Colour	Size Can (Net)	Price /Each
SOLVENT-BASED COLOURS				
KP461	201516	Orange	20 oz. (17 oz.)	
KP462	203022	Caution Blue	20 oz. (17 oz.)	
KP463	203024	Caution Yellow	20 oz. (17 oz.)	
KP464	203025	High Visibility Yellow	20 oz. (17 oz.)	
KP465	203027	Fluorescent Orange	20 oz. (17 oz.)	
KP466	203028	Fluorescent Red Orange	20 oz. (17 oz.)	
KP467	203029	Safety Red	20 oz. (17 oz.)	
KP468	203030	White	20 oz. (17 oz.)	
KP469	1601838	Clear	20 oz. (17 oz.)	
WATER-BASED COLOURS				
KP470	203031	Caution Blue	20 oz. (17 oz.)	
KP471	203034	High Visibility Yellow	20 oz. (17 oz.)	
KP472	203035	Alert Orange	20 oz. (17 oz.)	
KP473	203036	Fluorescent Orange	20 oz. (17 oz.)	
KP474	203038	Safety Red	20 oz. (17 oz.)	
KP475	203039	White	20 oz. (17 oz.)	
KP476	1801838	Clear	20 oz. (17 oz.)	
KP477	1861838	Fluorescent Pink	20 oz. (17 oz.)	

INDUSTRIAL LINE-UP® STRIPING PAINT

- Crisp, clean line and durable performance
- Highly pigmented formulas fortified with optical brighteners for eye catching lines
- Available in non-burning water based formula for grass fields, solvent based formulas for pavement and removable formulas for synthetic turf surfaces that require quick change



AD365

LINE-UP® ATHLETIC FIELD STRIPING PAINT FOR GRASS

- Non-burning formula, safe for all grass fields, will not harm grass or stunt its growth
- VOC compliant

Model No.	Colour	Size (Can/Net)	Price /Each
NE333	Athletic White	20 oz. (18 oz.)	
NE334	Athletic Yellow	20 oz. (17 oz.)	
AD365	Athletic Orange	20 oz. (17 oz.)	
AD366	Athletic Black	20 oz. (17 oz.)	
AD367	Athletic Navy	20 oz. (17 oz.)	
AD368	Athletic Fluorescent Orange	20 oz. (17 oz.)	
AD369	Athletic Fluorescent Green	20 oz. (17 oz.)	
NI795	Athletic Turf Green	20 oz. (17 oz.)	

LINE-UP® PAVEMENT STRIPING PAINTS

- For striping blacktop, concrete, curbs or other smooth, hard surfaces
- Traffic ready in 60 minute, approximately 250 linear feet per can, excellent bleed retention and highly visible

Model No.	Colour	Size Can (Net)	Price /Each
NE335	Highway White	20 oz. (18 oz.)	
NE336	Highway Yellow	20 oz. (18 oz.)	
NE337	Handicap Blue	20 oz. (18 oz.)	
NE338	Firelane Red	20 oz. (18 oz.)	
NE339	Cover Up Black	20 oz. (18 oz.)	

ATHLETIC FIELD STRIPING PAINT

- Water-based paint produces durable, long-lasting lines that withstand weather and wear
- Sprays upside-down for easy use
- For use on: Athletic fields, playgrounds, golf courses
- Surface coverage: Approximately 100-200 linear ft at 3" wide (30-60 m at 7.6 cm)



KP449

Model No.	Mfg. No.	Colour	Size Can (Net)	Price /Each
KP449	206043	White	20 oz. (17 oz.)	
KP450	206045	Yellow	20 oz. (17 oz.)	

TRAFFIC ZONE STRIPING PAINT

- Apply this weather-resistant coating to concrete, gravel or pavement for durability you can count on
- Use with bulk-spray machine, brush or roller
- For use on: Parking lots, stadiums, curbs, athletic facilities
- Size: 1 Gal
- Surface coverage: 410-540 linear feet



KP405

Model No.	Mfg. No.	Colour	Price /Each
KP405	2348402	Yellow	
KP406	2391402	White	

STRIPING PAINT APPLICATORS

34" LINE UP® STRIPING WAND

- For use on line touch up and stenciling
- Rugged, durable design with trigger operation

Model No. NI441
Price/Each $



ATHLETIC FIELD STRIPING MACHINES

- Made of durable 18-gauge steel, features a collapsible design for easy storage, a convenient handle bar to control paint applied and striping width can be adjusted from 2" to 4"
- Holds up to 12 cans
- 10" wheels provide an even ride over rough or uneven surface such as grass, dirt or gavel

Model No. NE341
Price/Each $



PAVEMENT STRIPING MACHINES

- Made of durable 18-gauge steel, features a collapsible design for easy storage, a convenient handle bar to control paint applied and striping width can be adjusted from 2" to 4"
- Holds up to 12 cans
- 7" wheels provide a smooth ride over hard surfaces such as pavement, concrete, blacktop or metal

Model No. NE340
Price/Each $



ATHLETIC FIELD STRIPING MACHINE

- The large wheels move easily through high grass and make striping fast and easy
- Adjustable for 3-6"-wide lines
- Includes convenient storage compartment — holds up to 12 extra cans
- Collapsible handle for easy storage
- Sturdy steel construction
- Colour: Yellow

Model No. KP451
Mfg. No. 206346
Price/Each $



2300 INVERTED STRIPING PAINT

- Apply this weather-resistant coating to concrete, gravel or pavement for durability you can count on
- Dries in less than 10 minutes
- Guaranteed not to clog
- Highest amount of solids for complete coverage
- For use on: Parking lots, stadiums, curbs, athletic facilities
- Surface Coverage: 800 linear feet at 2 inch



KP614

Model No.	Mfg. No.	Colour	Size Can (Net)	Price /Each
KP614	2326838	Blue	20 oz. (18 oz.)	
KP615	2348838	Yellow	20 oz. (18 oz.)	
KP616	2364838	Red	20 oz. (18 oz.)	
KP617	2378838	Flat Black	20 oz. (18 oz.)	
KP618	2391838	White	20 oz. (18 oz.)	

STRIPING WAND

- This single-wheeled, rolling tool applies striping paint with comfort and precision
- Light-touch spray provides easy control and reduces finger fatigue
- Constructed of steel and plastic
- Colour: Gray



RUST-OLEUM

Model No.	Mfg. No.	Series	Price /Each
KP408	2388000	High Performance Striping Wand	
KP409	2393000	Industrial Choice Striping Wand	

PAVEMENT STRIPING MACHINE

- Make crisp, accurate stripes
- Works on a variety of terrains and makes applying straight lines fast and easy
- Collapsible handle
- Adjustable for 2" to 4" wide lines
- Includes convenient storage compartment — holds up to 12 extra cans
- Colour: Yellow

Model No. KP407
Mfg. No. 2395000
Price/Each $



RUST-OLEUM

FUSION FOR PLASTIC®

- No-Prep™, super bond paint, bonds to plastic, PVC vinyl, resin, wood, metaland other hard to paint surfaces
- No sanding or priming required
- For interior and exterior use
- Fast drying; 15 minutes or less
- Features the EZ Touch® Fan Spray® nozzle
- Other colours are available
- Case Qty: 6 cans



KRYLON INDUSTRIAL

Priced per Can

Model No.	Colour		Size Can (Net)	Price /Each
NI488	Gloss White		16 oz. (12 oz.)	
NI489	Gloss Black		16 oz. (12 oz.)	
NI490	Hunter Green		16 oz. (12 oz.)	
NI491	Patriotic Blue		16 oz. (12 oz.)	
NI505	Gloss Burgundy		16 oz. (12 oz.)	

IRON GUARD® LATEX SPRAY PAINT

- Latex (not water-reducible) paint provides a high gloss and excellent colour retention appearance
- Low odour, contents under pressure formula and MIR compliant make it the safest paint to use indoor or outdoor
- Soap and water clean-up
- Dries fast; in just 20 minutes to the touch
- Other colours are available
- Case Qty: 12 cans

Use on: Metal, wood, masonry, plaster, most plastics, plastic foam and wicker



KRYLON INDUSTRIAL

Priced per Can

Model No.	Colour		Size Can (Net)	Price /Each
NI464	Red (OSHA)		16 oz. (12 oz.)	
NI465	Orange (OSHA)		16 oz. (12 oz.)	
NI466	Yellow (OSHA)		16 oz. (12 oz.)	
NI467	Blue (OSHA)		16 oz. (12 oz.)	
NI468	Gloss White		16 oz. (12 oz.)	
NI469	Satin Grey		16 oz. (12 oz.)	
NI471	Max Flat Black		16 oz. (12 oz.)	
NI470	Grey Primer		16 oz. (12 oz.)	

ACRYLI-QUIK™ MAINTENANCE SPRAY PAINT

- For industrial maintenance and touch-up applications
- Dry in 12 minutes or less
- Original *No runs, no drips, no errors!*™ formula!
- Superior performance, both indoors and outdoors
- VOC-compliant acrylic lacquer formula, free of lead hazards
- Hard, protective, durable finish
- High amount of solids assures maximum coverage with excellent adhesion
- Tough, high-gloss finish
- Uniform coverage
- No recoat window, recoat anytime
- Case Qty: 6 cans

Applications: Any metal or wood surface, including motors, tools, pipelines, conduit, ducts, drums, cabinets, furniture, and for color coding steel and lumber.



KRYLON INDUSTRIAL

Priced per Can

Model No.	Colour		Size Can (Net)	Price /Each
NA455	Gloss White OSHA		16 oz. (12 oz.)	
NA463	Gloss Black OSHA		16 oz. (12 oz.)	
NA469	Smoke Grey		16 oz. (12 oz.)	
NA484	Regal Blue		16 oz. (12 oz.)	
NA536	Cherry Red		16 oz. (12 oz.)	
NA552	Leather Brown		16 oz. (12 oz.)	
NA480	Sun Yellow		16 oz. (12 oz.)	
NA535	Emerald Green		16 oz. (12 oz.)	
PRIMER				
NA448	Ruddy Brown Primer		16 oz. (12 oz.)	
NA449	Grey Primer		16 oz. (12 oz.)	

INDUSTRIAL WORK DAY™ AEROSOL ENAMEL PAINT

- Offers an economical solution to marking, colour coding and miscellaneous spray paint needs where long term quality and durability are not required.
- Economical
- Dries to touch in 12 minutes
- VT alkyd formulation
- Case Qty: 12 cans

Application: For use on ceramic, plaster, glass, metal, wood, and most other surfaces



KRYLON INDUSTRIAL

Priced per Can

Model No.	Colour		Size Can (Net)	Price /Each
NI472	Gloss white		16 oz. (10 oz.)	
NI507	Flat white		16 oz. (10 oz.)	
NI473	Yellow		16 oz. (10 oz.)	
NI474	Orange		16 oz. (10 oz.)	
NI475	Gloss red		16 oz. (10 oz.)	
NI476	Blue		16 oz. (10 oz.)	
NI508	Sky blue		16 oz. (10 oz.)	
NI509	True blue		16 oz. (10 oz.)	
NI510	Brown		16 oz. (10 oz.)	
NI477	Aluminum		16 oz. (10 oz.)	
NI515	Green		16 oz. (10 oz.)	
NI492	Flat black		16 oz. (10 oz.)	
NI512	Grey		16 oz. (10 oz.)	
NI513	Dark grey		16 oz. (10 oz.)	
NI478	Gloss black		16 oz. (10 oz.)	
NI479	Grey primer		16 oz. (10 oz.)	
NI480	Red primer		16 oz. (10 oz.)	

INDUSTRIAL COLORWORKS™ MAINTENANCE CHOICE™ ENAMELS



ColorWorks™ is a fast drying, modified alkyd enamel for multi-purpose industrial applications. ColorWorks™ provides excellent performance for both interior and exterior general purpose applications and will resist chipping, fading, and peeling. Dries fast, in 15 minutes.



FEATURES:

- High paint solids formula for excellent hide
- Excellent high gloss retention
- Fast drying
- Interior/exterior use
- Value and quality
- Acrylic enamel formulation
- Case Qty: 6 cans

Applications: General industrial maintenance and touch-up work

KRYLON INDUSTRIAL

Model No	Colour	Size Can (Net)	Price /Each
NI789	Gloss Black	16 oz. (11 oz.)	
KP016	Flat Black	16 oz. (11 oz.)	
NI790	Gloss White	16 oz. (11 oz.)	
NI810	Flat White	16 oz. (11 oz.)	
KP017	Dark Machinery Gray	16 oz. (11 oz.)	
KP094	Industrial Gray	16 oz. (11 oz.)	
KP018	Safety Blue	16 oz. (11 oz.)	
NI809	Royal Blue	16 oz. (11 oz.)	
KP095	Navy Blue	16 oz. (11 oz.)	
KP096	Emerald Green	16 oz. (11 oz.)	
KP019	Hunter Green	16 oz. (11 oz.)	
KP020	Safety Red	16 oz. (11 oz.)	
NI805	Cherry Red	16 oz. (11 oz.)	
KP021	Safety Orange	16 oz. (11 oz.)	
NI808	Equipment Orange	16 oz. (11 oz.)	
KP022	Safety Yellow	16 oz. (11 oz.)	
KP097	Walnut Brown	16 oz. (11 oz.)	
KP023	Silver Aluminium	16 oz. (11 oz.)	
KP024	Grey Primer	16 oz. (11 oz.)	
KP025	Red Oxide Primer	16 oz. (11 oz.)	

INDUSTRIAL CHOICE SPRAY PAINT



- For indoor/outdoor industrial-maintenance use
- Extra-wide comfort nozzle prevents finger fatigue and sprays from any angle, even upside down
- Resists chipping, fading and peeling
- For use on: Tools, motors, furniture, equipment, color coding, ladders, lockers
- Surface coverage: Approximately 22 sq. ft. (2 m²)

RUST-OLEUM

Model No.	Mfg. No.	Colour	Size Can	Price /Each
COLOURS				
KP430	202214	Machine Gray	16 oz.	
KP431	214645	ANSI 61 Light Gray	16 oz.	
KP432	1614830	Dull Aluminum	16 oz.	
KP433	1622830	Regal Blue	16 oz.	
KP439	1676830	Ultra-Flat Black	16 oz.	
KP440	1678830	Semi-Flat Black	16 oz.	
KP441	1679830	Glossy Black	16 oz.	
KP442	1684830	Dove Gray	16 oz.	
KP443	1686830	Universal Gray	16 oz.	
KP444	1690830	Flat White	16 oz.	
KP445	1692830	Glossy White	16 oz.	
SAFETY COLOURS				
KP434	1624830	Safety Blue	16 oz.	
KP435	1633830	Safety Green	16 oz.	
KP436	1644830	Safety Yellow	16 oz.	
KP437	1653830	Safety Orange	16 oz.	
KP438	1660830	Safety Red	16 oz.	
PRIMER				
KP446	1667830	Red	16 oz.	
KP447	1680830	Gray	16 oz.	

OVERALL® ENAMEL SPRAY PAINT



- Indoor/outdoor formula
- Economical, fast-drying industrial spray
- Great for a variety of spray paint needs, where durability and long-term quality are not required
- Surface coverage: 14 sq. ft. (1.3 m²)

RUST-OLEUM

Model No.	Mfg. No.	Colour	Size Can	Price /Each
COLOURS				
KP503	215409	Light Gray	16 oz.	
KP504	V2402830	Black	16 oz.	
KP505	V2403830	White	16 oz.	
KP506	V2404830	Flat Black	16 oz.	
KP507	V2405830	Flat White	16 oz.	
KP508	V2407830	Red	16 oz.	
KP509	V2408830	Blue	16 oz.	
KP510	V2409830	Yellow	16 oz.	
PRIMER				
KP502	215405	Red	16 oz.	

HIGH PERFORMANCE V2100 SPRAY PAINT



- This advanced formula provides the best-possible corrosion protection with easy, one-coat coverage and long-lasting color, gloss and durability
- Tough, professional finish — superior resistance to chipping, cracking and peeling
- High-output tip covers 50% faster
- Extra-wide comfort nozzle prevents finger fatigue and sprays from any angle, even upside down
- Surface coverage: 14 sq. ft. (1.3 m²)
- Max operating temperature: 200°F
- For use on: Structural steel, handrails, piping, storage tanks, equipment, machinery
- Accepted for use in Canadian food processing facilities

RUST-OLEUM

Model No.	Mfg. No.	Colour	Size Can	Price /Each
COLOURS				
KP377	V2115838	Silver Aluminum	20 oz.	
KP378	V2123838	Light Blue	20 oz.	
KP380	V2125838	Deep Blue	20 oz.	
KP382	V2137838	Dark Green	20 oz.	
KP383	V2138838	Hunter Green	20 oz.	
KP385	V2147838	Industrial Yellow	20 oz.	
KP388	V2164838	Bright Red	20 oz.	
KP389	V2175838	Chestnut Brown	20 oz.	
KP390	V2177838	Semi-Gloss Black	20 oz.	
KP391	V2178838	Flat Black	20 oz.	
KP392	V2179838	Black	20 oz.	
KP393	V2183838	Light Machine Gray	20 oz.	
KP394	V2187838	Dark Machine Gray	20 oz.	
KP395	V2190838	Flat White	20 oz.	
KP396	V2192838	Gloss White	20 oz.	
SAFETY COLOURS				
KP386	V2155838	Safety Orange	20 oz.	
KP384	V2143838	Safety Yellow	20 oz.	
KP387	V2163838	Safety Red	20 oz.	
KP379	V2124838	Safety Blue	20 oz.	
KP381	V2133838	Safety Green	20 oz.	
PRIMER				
KP397	V2169838	Red	20 oz.	
KP398	V2182838	Gray	20 oz.	

TOUGH COAT® REBAR GREEN EPOXY

- One-system, epoxy paint that prevents rust stains in concrete
- Provides excellent barrier for rebar, steel, metal or other metal support beams
- Resilient and excellent durable finish will withstand all conditions
- Case Qty: 12 cans

KRYLON INDUSTRIAL



Priced per Can

Model No.	Size Can (Net)	Price /Each
NI483	16 oz. (12 oz.)	

HIGH PERFORMANCE V2100 HIGH HEAT SPRAY PAINT

- Provides protection against corrosion and heat, while delivering long-lasting durability
- Tough, professional finish — superior resistance to chipping, cracking and peeling
- High-output tip covers 50% faster
- For use on: Boilers, steam pipes, vents, exhaust pipes, kilns
- Surface coverage: 14 sq. ft. (1.3 m^2)
- Max operating temperature: 1000°F
- Accepted for use in Canadian food processing facilities

RUST-OLEUM



KP401

Model No.	Mfg. No.	Colour	Size Can	Price /Each
KP401	V2116863	Aluminum	20 oz.	
KP402	V2176868	Black	20 oz.	

SPRAY GRIP

- Two finger trigger minimizes fatigue
- Unique locking collar keeps can tightly attached
- Trigger safety lock prevents accidental use
- Keeps hands clean
- Colour: Black

RUST-OLEUM



KP403



KP404

Model No.	Mfg. No.	Description	Price /Each
KP403	243546	Economy	
KP404	241526	Comfort	



TOUGH COAT™ ACRYLIC ALKYD ENAMELS

- Specially formulated for a variety of industrial applications
- Ideal for light-to-heavy-duty painting projects, both indoors and outdoors
- Tough, protective coating resists chipping and peeling
- Excellent hiding characteristics, smooth, even coverage
- Fast-drying; dries to the touch in just 15 minutes
- High heat: withstands intermittent temperatures up to 1000°F, and constant temperatures up to 600°F
- Case qty: 12 cans

Applications: Metal, motors, machinery, tools, tool boxes, steel bar railings, conduit, ducts, electrical equipment, pipeline and for marking area





KRYLON INDUSTRIAL

Priced per Can

Model No.	Colour	Size Can (Net)	Price /Each
GENERAL PURPOSE COLOURS			
NA279	Machinery Dark Grey	16 oz. (12 oz.)	
NA280	Machinery Light Grey	16 oz. (12 oz.)	
NA281	Machinery Blue/Grey	16 oz. (12 oz.)	
NA394	Clear Gloss Topcoat	16 oz. (12 oz.)	
NA396	Bright Red	16 oz. (12 oz.)	
NA400	Cherry Red	16 oz. (12 oz.)	
NA401	OSHA Red	16 oz. (12 oz.)	
NA402	Zinger Pink	16 oz. (12 oz.)	
NA403	OSHA Orange	16 oz. (12 oz.)	
NA406	Cordova Brown	16 oz. (12 oz.)	
NA407	Light Beige	16 oz. (12 oz.)	
NA408	OSHA Yellow	16 oz. (12 oz.)	
NA413	Medium Green	16 oz. (12 oz.)	
NA414	OSHA Safety Green	16 oz. (12 oz.)	
NA416	OSHA Blue	16 oz. (12 oz.)	
NA417	Dark Blue	16 oz. (12 oz.)	
NA418	Light Blue	16 oz. (12 oz.)	
NA419	OSHA Purple	16 oz. (12 oz.)	
NA420	Medium Grey	16 oz. (12 oz.)	
NA421	Machinery Grey	16 oz. (12 oz.)	
NA422	Blue/Grey	16 oz. (12 oz.)	
NA423	Industrial Grey	16 oz. (12 oz.)	
NA424	Light Grey	16 oz. (12 oz.)	
NA426	Gold	16 oz. (12 oz.)	
NA427	OSHA Black	16 oz. (12 oz.)	
NA428	OSHA White	16 oz. (12 oz.)	
NA432	Flat White	16 oz. (12 oz.)	
NA434	Flat Black	16 oz. (12 oz.)	
IMPLEMENT COLOURS			
NA398	Ford Blue	16 oz. (12 oz.)	
NA399	Federal Highway Yellow	16 oz. (12 oz.)	
NA404	International Orange	16 oz. (12 oz.)	
NA410	Caterpillar Yellow (New)	16 oz. (12 oz.)	
NA411	Caterpillar Yellow (Old)	16 oz. (12 oz.)	
NA415	Machine Green	16 oz. (12 oz.)	
PRIMERS			
NA287	Red Oxide Rust Control (Non-Sandable)	16 oz. (12 oz.)	
NA288	Grey Rust Control (Non-Sandable)	16 oz. (12 oz.)	
NA290	Light Grey Control (Sandable)	16 oz. (12 oz.)	
NA291	Red Oxide (Sandable)	16 oz. (12 oz.)	
FLUORESCENTS			
NA429	Orange	16 oz. (11 oz.)	
NA430	Red	16 oz. (11 oz.)	
NA431	Electric Green	16 oz. (11 oz.)	
HIGH HEAT			
NA278	Aluminum	16 oz. (12 oz.)	
NA283	Black	16 oz. (12 oz.)	

HIGH PERFORMANCE V7400 DTM

- Get outstanding protection and color
- Resists chipping, fading, weathering
- Protects against mild chemicals — ideal for moderate to slightly severe industrial environments
- Two-year rust-proof guarantee — maximum corrosion protection
- For use on: General plant maintenance, machinery, equipment, structural steel, pipes, metal cabinets, lockers, railings, trim, doors, gates, vents, outdoor signage, water towers, agriculture, drilling, coastal applications, vehicle refinishing
- Size: 1 Gal.
- Surface Coverage: 278-509 sq. ft./gal. (6.8-12.5 m²/l)
- Accepted for use in Canadian food processing facilities

Model No.	Mfg. No.	Colour	Price /Each
COLOURS			
KP410	245387	Flat Black	
KP411	245533	Flat White	
KP412	245403	Gloss Black	
KP413	245406	Gloss White	
KP414	245441	National Blue	
KP415	245443	Navy Gray	
KP421	245484	Silver Gray	
SAFETY COLOURS			
KP416	245474	Safety Blue	
KP417	245476	Safety Green	
KP418	245477	Safety Orange	
KP419	245478	Safety Red	
KP420	245479	Safety Yellow	
PRIMER			
KP422	V7086402	Gray	
KP423	V7696402	Red	



KP410

RUST-OLEUM

HIGH PERFORMANCE 9100 DTM EPOXY MASTIC

- Quickly creates a tough, durable, protective surface
- Direct-to-metal (DTM) self priming formula — adheres to a variety of substrates
- Superior long-term resistance to solvents, chemicals, abrasion and impact
- Convenient 1:1 mixing ratio of base and activator - no measuring required
- Two-year rust-proof guarantee — maximum corrosion protection
- For use on: Steel beams, structural steel, towers, concrete floors, conveyors, industrial equipment, storage tanks, sewage treatment basins, non-potable water storage facilities, steel handrails
- Size: 1 Gal.
- Accepted for use in Canadian food processing facilities

Model No.	Mfg. No.	Colour	Price /Each
COLOURS			
KP424	9144402	Safety Yellow	
KP425	9179402	Black	
KP426	9182402	Silver Gray	
KP427	9192402	White	
ACTIVATORS			
KP428	9101402	Standard Activator	
KP429	V7696402	Immersion Activator	



KP424

RUST-OLEUM

C740 DTM ALKYD MAINTENANCE PAINT

- Ready-to-use formula provides an easy-to-maintain, high-gloss finish specifically for commercial applications
- Multi-purpose direct-to-metal (DTM) coating
- Convenient — requires no measuring or mixing; can be brushed, rolled or sprayed
- Resists rust, chipping, general weathering, mild chemical fumes and light abrasion
- For use on: Interior & exterior commercial metal applications, metal trim (doors & structural steel), handrails, fixtures, fire escapes, vents, fences, hydrants, cabinets, channels
- Surface coverage: 265-440 sq. ft./gal. (6.5-10.8 m²/L)
- Accepted for use in Canadian food processing facilities



KP478

RUST-OLEUM

Model No.	Mfg. No.	Colour	Price /Each
KP478	255554	Black	
KP479	255558	White	
KP480	255550	Safety Yellow	

RUST TOUGH® ACRYLIC ENAMELS

AEROSOLS

- Complete coverage with one coat
- Dries to touch in 25 minutes; dries to handle in 1 hour
- Superior appearance and colour retention
- Ideal for small touch-up jobs, painting irregular shapes or covering hard-to-reach areas
- For both indoor and outdoor use
- Tough, high-gloss finish resists chipping and peeling
- Acrylic enamels and primers are equipped with EZ Touch® Fanspray® nozzle
- Case Qty: 6 cans

Applications: Steel, aluminum, properly primed metal and wood, structural steel, storage tanks, bar joists, handrails, piping, pipe racks, conveyors, ladders, fencing, machinery, metal doors and marine applications above boot topping.

Note: Not recommended for immersion.



KRYLON INDUSTRIAL

Priced per Can

Model No.	Colour		Size Can (Net)	Price /Each
AEROSOLS				
NA356	Flat Black		20 oz. (15 oz.)	
NA360	Gloss Black		20 oz. (15 oz.)	
NA393	Gloss White		20 oz. (15 oz.)	
NA352	Semi-Gloss Black		20 oz. (15 oz.)	
ZB013	Semi-Gloss White		20 oz. (15 oz.)	
NA273	Safety Blue (OSHA)		20 oz. (15 oz.)	
NA286	Safety Green (OSHA)		20 oz. (15 oz.)	
NA322	Safety Orange (OSHA)		20 oz. (15 oz.)	
NA330	Safety Red (OSHA)		20 oz. (15 oz.)	
NA302	Safety Yellow (OSHA)		20 oz. (15 oz.)	
NA326	Equipment Orange		20 oz. (15 oz.)	
NA318	Equipment Yellow		20 oz. (15 oz.)	
NA314	Industrial Yellow		20 oz. (15 oz.)	
NA306	Federal Safety Railing Yellow		20 oz. (15 oz.)	
NA368	Light Machinery Grey (Asa-61)		20 oz. (15 oz.)	
NA294	Bright Green		20 oz. (15 oz.)	
NA298	Dark Green		20 oz. (15 oz.)	
NA334	Bright Red		20 oz. (15 oz.)	
NA264	Aluminum		20 oz. (15 oz.)	
NA269	Light Blue		20 oz. (15 oz.)	
NA277	Deep Blue		20 oz. (15 oz.)	
NA346	Chestnut Brown		20 oz. (15 oz.)	
NA342	Tan		20 oz. (15 oz.)	
NA435	Fluorescent Green		20 oz. (14 oz.)	
NA436	Fluorescent Yellow		20 oz. (14 oz.)	
NA437	Fluorescent Orange		20 oz. (14 oz.)	
NA438	Fluorescent Red		20 oz. (14 oz.)	
NA348	Hi-Temp Black		20 oz. (15 oz.)	
PRIMERS				
NA364	Grey Primer		20 oz. (15 oz.)	
NA338	Red Oxide Primer		20 oz. (15 oz.)	
NA375	Zinc-Rich Cold Galvanized Primer		20 oz. (15 oz.)	

ECO-GRADE™ VANDAL MARK & GRAFFITI REMOVER

- Soy based, contains natural, biodegradable ingredients made to replace terpene or petrochemical based products
- Formulated with EPA DFE certified materials
- Quickly and easily removes paint, ink, crayon, magic marker and adhesive residue
- Sprays and clings to vertical surfaces
- Penetrates and dissolves oil based stains quickly



Sprayon

Model No.	Mfg. No.	Size Can (Net)	Price /Each
AD402	A00404000	16 oz. (12 oz.)	

IRON GUARD® ACRYLIC ENAMEL INDUSTRIAL COATINGS™

KRYLON INDUSTRIAL

- High gloss, 100% acrylic, waterborne coating for light to moderate industrial use
- Designed for new construction or maintenance use, can be used directly over prepared substrates, including metal
- Chemical and corrosion resistant, fast drying and outstanding early moisture, flash rust and early rust resistance
- Low odour, outstanding adhesion
- VOC: < 100 g/L (0.83 lbs./gal)
- Can be used on steel, iron, aluminum, galvanizing, concrete, masonry, wood and over zinc-rich primers in applications such as tank and cylinders, steel fabricated parts, equipment, machinery, metal buildings, select marine structures, piping, handrails and ornamental iron

NI814



Colour	Model No. 1 Gallon	Price/Each	Model No. 5 Gallon	Price/Each
Gloss White	NI813		KP259	
Gloss Black	NI814		KP260	
Semi-Gloss Black	NI816		-	-
Flat Black	KP262		-	-
Safety Yellow (OSHA)	NI815		-	-
Safety Red (OSHA)	NI818		-	-
Safety Blue (OSHA)	KP263		-	-
Safety Green (OSHA)	KP264		-	-
Light Machinery Gray (ASA-61)	NI822		-	-
Safety Orange (OSHA)	KP266		-	-
Dark Machinery Gray (ASA-49)	KP267		-	-
New Cat Yellow	KP268		-	-

RUST TOUGH 250

KRYLON INDUSTRIAL

- For interior/exterior industrial, institutional, commercial and maintenance use in moderate to severe environments
- Rust inhibitive, corrosion resistant alkyd enamel can be applied directly to metal
- Protects against mild chemicals, fumes, oil and grease stains and atmospheric corrosion
- Excellent hide, colour & gloss retention, and superior chip, crack and peel resistance
- Low VOC, CARB compliant < 250 g/L
- Can be used on previously painted surfaces, iron, steel, aluminum, galvanized metal or wood
- Acceptable for use in Canadian food processing facilities
- Size: 1 gallon

AD349



Model No.	Colour	Price /Each
AD350	Safety Yellow	
AD358	Safety Orange	
AD359	Safety Blue	
AD355	Safety Red	
AD345	Gloss White	
AD349	Black	
AD352	Dark Machinery Gray	
AD353	Light Machinery Gray	
AD356	Equipment Yellow	
PRIMER		
AD347	Grey Primer	
AD357	Red Oxide Primer	

SIERRA METALMAX® DTM ACRYLIC

- This water-based formula contains no VOCs, HAPs or solvent odor and is ideal for schools and settings where paint fumes are an issue
- Superior resistance to corrosion and humidity; excellent color retention
- Fast, convenient, single-component system
- Results in a smooth, washable, professional finish
- Applies direct-to-metal (DTM), including galvanized steel and aluminum; for interior/exterior use
- For use on: Anywhere paint odors or VOC is a concern, food/beverage plants, schools, healthcare, warehouses, metal structures, line equipment
- Size: 1 Gal.
- Surface coverage: 180-545 sq. ft./gal. (4.4-13.4 m^2/L)



RUST-OLEUM

KP481

Model No.	Mfg. No.	Colour	Price /Each
KP481	210475	Safety Red	
KP482	210477	Safety Yellow	
KP483	238752	White	
KP484	238753	Safety Blue	
KP485	238755	Gray Primer	

SIERRA S40 EPOXY FLOOR COATING

- This water-based formula contains no VOCs, HAPs or solvent odor and creates a tough, high-gloss finish
- High-performance coating — for concrete floors in moderate to severe industrial settings
- Highly resistant to most chemicals and abrasion
- Easy-to-use, two-component system — order base and activator separately
- For use on: Food/beverage plants, schools, healthcare, office buildings, concrete floors
- Size: 1 Gal.
- Surface Coverage: 125-175 sq. ft./gal. (3.1-4.3 m^2/L) - 200-300 sq. ft./gal. (4.9-7.4 m^2/L)
- Accepted for use in Canadian food processing facilities



KP486

RUST-OLEUM

Model No.	Mfg. No.	Description	Price /Each
KP486	208068	Safe Yellow	
KP487	208072	Classic Gray	
KP488	208074	Light Gray	
KP489	208086	Activator	

5600 ACRYLIC URETHANE FLOOR PAINT

- Convenient, high-gloss, water-based coating is ideal for use in mild industrial or commercial setting
- Protects concrete floors from dusting, water damage, staining and mildew
- Paint and go — no measuring or mixing; minimal surface prep
- Excellent coverage over new and previously coated surfaces; for interior/exterior use
- Dries fast — accepts next-day foot traffic; easy brush, spray or roller application
- For use on: Interior/exterior concrete floors, walkways, decks/patios
- Surface Coverage: 170-270 sq.ft./gal. (4.2-6.6 m^2/L)
- Accepted for use in Canadian food processing facilities

KP490



RUST-OLEUM

Model No.	Mfg. No.	Colour	Container Size	Price /Each
KP490	251286	Safety Yellow	1 Gallon	
KP491	251291	Silver Gray	1 Gallon	
KP492	251293	Silver Gray	5 Gallons	

5500 ACRYLIC DUSTPROOFER FLOOR SEALER

- Water-based coating seals concrete and prevents dusting in mild industrial or commercial settings
- Seals bare concrete or provides a protective top coat; makes maintenance easy; low-gloss finish
- Excellent coverage over new and previously coated surfaces; for interior/exterior use
- For use on: Floor coating for warehouses, walkways, over strained and painted concrete, retail/commercial
- Size: 1 Gal.
- Accepted for use in Canadian food processing facilities

Model No. KP493
Mfg. No. 251282
Price/Each $

RUST-OLEUM

KP486



EASYCLEAR™ EPOXY MAINTENANCE FLOOR COATING

- High-gloss finish applies easily to bare or coated concrete
- Excellent resistance to abrasion and chemicals; easy to maintain
- For mild to moderate industrial or commercial environments; interior/exterior use
- Convenient, ready-to-mix kit includes clear base and activator
- Size: 1 Gal.
- Colour: Clear

Model No. KP494
Mfg. No. 456673
Price/Each $



RUST-OLEUM

TURBOKRETE® CONCRETE REPAIR & ADHESIVE

- Excellent for bridging horizontal or vertical cracks, even under water
- Twice as strong as concrete
- Works on concrete, masonry, brick, steel and more
- For indoor or outdoor use



RUST-OLEUM

Model No.	Mfg. No.	Description	Size	Price /Each
KP497	257395	Light Gray	9 oz.	
KP498	251293	3 Pack Replacement Static Mixers	9 oz.	

NEVERWET BASE & TOPCOAT KIT

- Two-step aerosol coating system that creates a moisture repelling barrier
- Dries to a flat haze finish
- Surface coverage: 15-20 sq ft/can



KP511

RUST-OLEUM

Model No.	Mfg. No.	Size	Colour	Price /Each
KP511	275918	28 oz.	Clear	
KP512	277248	2 gal.	Clear	

TURBOKRETE® CONCRETE PATCH COMPOUND KIT

- Easily repair deep holes and cracks
- 100%-solids epoxy patch kit is designed for floors exposed to heavy traffic and intermittent chemicals
- Protects against abrasion, impact and most chemicals — no sealer required
- Creates an extremely hard surface — 3-4 times stronger than concrete
- For interior/exterior use on damaged or severely spalled floors, curbs, ramps, etc.
- Odorless
- Easy-mix kit includes base, activator and aggregate
- Colour: Light gray

KP495



RUST-OLEUM

Model No.	Mfg. No.	Size Gallons	Surface Coverage	Price /Each
KP495	253479	2	0.15 cu.ft.	
KP496	5494323	3.5	0.30 cu.ft.	

FLOOR COATING ANTI-SKID ADDITIVE

- Give your epoxy floor as much or as little slip resistance as you'd like
- This specially refined aggregate consists of tiny off-white granules that create extra traction on an epoxy coating
- Compatible with the following epoxy systems: 6500 System and 6000 System
- Can be added directly to the liquid coating or sprinkled over the final finish
- Easy and convenient — mix one bag into each gallon of coating
- Size: 1 lbs.
- Colour: Off-White

Model No. KP500
Mfg. No. 200504
Price/Each $



RUST-OLEUM

INSTAPATCH® CONCRETE REPAIR

- Quickly patch and repair damaged concrete floors
- InstaPatch® is a two compenent, 100% solids polyurea concrete repair compound that cures in 15 minutes or less
- Versatile formula can be poured or trowel applied
- Gray InstaPatch changes from black upon application to gray once fully cured
- Surface Coverage: 230 linear feet per activated gallon at 1/4" wide and 1/4" deep
- Can be applied in temperatures as low as -5°F
- Size: 1 gallon

Model No. KP499
Mfg. No. 276981
Price/Each $



RUST-OLEUM

FLOOR COATING ALUMINUM ANTI-SLIP ADDITIVE

- Boost the longevity, durability and anti-slip qualities of any concrete coating
- This highly versatile aluminum-oxide additive can improve the performance of any floor coating
- Adds both texture and strength
- Consists of tiny granules — finer than sand
- Easy and convenient — mix in one bag per gallon of coating
- Colour: White

Model No. KP501
Mfg. No. 213898
Price/Each $



RUST-OLEUM

LEAK SEAL SPRAY

- Rubberized coating seals cracks, fills small holes and provides firm-but-flexible protection against moisture and rust
- Great for gutters, roofs, flashing, ductwork, PVC, masonry, concrete and more
- Paintable finish
- Surface Coverage: 8 sq ft/can



RUST-OLEUM

Model No.	Mfg. No.	Size	Colour	Price /Each
KP513	266784A	20 oz.	Black	
KP514	267453	20 oz.	Clear	

EMPTY PAINT CANS

- Available in metal or high density plasic



Model No.	Description	Type	Price /Each
KP119	1 gallon w/lid	Metal	
KP120	1 litre w/lid	Metal	
KP121	1/2 litre w/lid	Metal	

PAINT BRUSHES

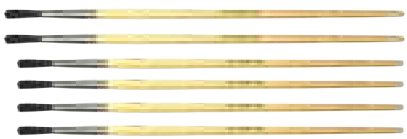
China bristle: Carefully selected for proper stiffness and taper, Chinese hog bristle are best suited for spreading oil-based paints, enamels, stains, shellacs and epoxy coatings.

Nylon/Polyester: Multi-polyester and nylon filament tips provide extra wear and will give excellent service with all paints. All filaments are flagged and tipped for excellent paint pick-up and smooth application.

Polyester: A durable synthetic filament that smoothly spreads latex and oil-based paints equally well. Retains stiffness and flexibility in extreme hot weather conditions and gives fine service, easy to clean out.

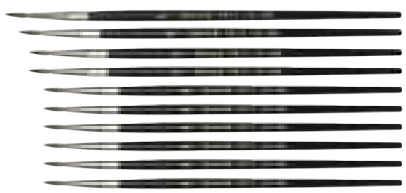
Animal Soft Hair: Fine animal hair brushes are essential for laying on exceptionally smooth lacquer, shellac, varnish and enamel finishes.

SELECTED CAMEL HAIR ROUND LETTERING MARKING BRUSHES



Model No.	Mfg. No.	Size	Brush Dia. mm	Fill Material	Overall Length"	Handle Type	Price /Each
KP607	12201	1	3	Black Camel	11 1/4	Wood	
KP608	12202	2	4	Black Camel	11 1/4	Wood	
KP609	12203	3	4.5	Black Camel	12	Wood	
KP610	12204	4	5	Black Camel	12	Wood	
KP611	12205	5	5.4	Black Camel	12	Wood	
KP612	12206	6	7	Black Camel	12	Wood	

SELECTED CAMEL HAIR ROUND LETTERING LACQUERING BRUSHES



Model No.	Mfg. No.	Size	Brush Dia. mm	Fill Material	Overall Length"	Handle Type	Price /Each
KP104	10911	1	1.7	Black Camel	7 1/2	Wood	
KP598	10912	2	1.9	Black Camel	7 1/2	Wood	
KP599	10913	3	2.1	Black Camel	7 1/2	Wood	
KP105	10914	4	2.5	Black Camel	7 1/2	Wood	
KP601	10915	5	3	Black Camel	7 1/2	Wood	
KP602	10916	6	3.5	Black Camel	7 1/2	Wood	
KP603	10917	7	4	Black Camel	7 3/4	Wood	
KP604	10918	8	4.7	Black Camel	7 3/4	Wood	
KP605	109110	10	5.7	Black Camel	8	Wood	
KP606	109112	12	7.3	Black Camel	8 3/4	Wood	

RED SABLE FLAT BRISTLE ARTIST BRUSHES



Model No.	Mfg. No.	Size	Brush Dia. mm	Fill Material	Overall Length"	Handle Type	Price /Each
KP592	0RS	0	3	Red Sable	10	Wood	
KP593	4RS	4	6	Red Sable	10 3/4	Wood	
KP594	6RS	6	7	Red Sable	11 1/8	Wood	
KP595	10RS	10	8	Red Sable	11 1/2	Wood	
KP596	12RS	12	11	Red Sable	11 1/2	Wood	

PURE WHITE BRISTLE ROUND MARKING BRUSHES



Model No.	Mfg. No.	Size	Brush Dia."	Fill Material	Trim Length"	Handle Type	Price /Each
KP189	74030	1	9/64	White Bristle	11/16	Wood	
KP190	74031	2	5/32	White Bristle	3/4	Wood	
KP191	74032	3	3/16	White Bristle	7/8	Wood	
KP192	74033	4	7/32	White Bristle	1	Wood	
KP193	74034	5	1/4	White Bristle	1 1/16	Wood	
KP194	74035	6	9/32	White Bristle	1 1/8	Wood	

CAMEL HAIR ROUND MARKING BRUSHES



Model No.	Mfg. No.	Size	Brush Dia"	Fill Material	Trim Length"	Handle Type	Price /Each
KP195	74001	1	9/64	Camel Hair	5/8	Wood	
KP196	74002	2	5/32	Camel Hair	3/4	Wood	
KP197	74003	3	3/16	Camel Hair	7/8	Wood	
KP198	74004	4	7/32	Camel Hair	1	Wood	
KP199	74005	5	1/4	Camel Hair	1 1/16	Wood	
KP200	74006	6	9/32	Camel Hair	1 1/8	Wood	

SELECTED OX HAIR ONE STROKE BRUSHES



Model No.	Mfg. No.	Overall Width"	Fill Material	Trim Length"	Handle Type	Price /Each
KP202	74040	1/8	Ox Hair	11/16	Wood	
KP203	74041	1/4	Ox Hair	13/16	Wood	
KP204	74042	3/8	Ox Hair	15/16	Wood	
KP205	74043	1/2	Ox Hair	1	Wood	
KP206	74044	3/4	Ox Hair	1 1/4	Wood	

HEXOMIXERS

THE ONE MIXER FOR ALL MATERIALS

- Hex shaft
- Steel blades



WARNING:

Do not use with lacquers or other flammable liquids (FLASH POINT UNDER 70°F). Sparks from portable electric tool motors might ignite fumes.

IMPORTANT:

Always wear safety goggles while using.
For best results; use a variable speed reversible drill with 400-600 watts minimum.

Richard

Model No.	Dia."	Length"	Drill Size"	Recommended Use	Price /Each
ND399	2.4	16	3/8	1 gal.: paint and other low density materials	
ND400	3.2	16	3/8	2 gal.: paint and other low density materials	
ND401	4.0	24	1/2	3 gal.: paint and low-medium density materials	
ND402	4.8	30	1/2	5 gal.: paint and low-medium density	
ND403	5.6	30	1-2	5-30 gal.: drywall mud and materials	

AP100 SERIES PAINT BRUSHES

- Brush Type: 100% black polyester bristles
- Handle: Solid plastic
- Tin-plated ferrule
- Well-suited for latex-based paints



aurora tools®

Model No.	Width"	Price /Each
KP307	1	
KP308	2	
KP765	3	
KP766	4	

AP300 SERIES PAINT BRUSHES

- Brush Type: Natural bristles
- Handle: Solid plastic
- Tin-plated ferrule
- Well-suited for oil-based paints



aurora tools®

Model No.	Width"	Price /Each
KP300	1	
KP301	2	
KP302	3	
KP303	4	

RUBBERSET® OIL PAINTBRUSHES

- Lowest priced line of bristle brushes, well suited for fibreglass applications, epoxy resins, paint remover and many industrial uses



Rubberset®

Model No.	Type	Width"	Price /Each
NA183	Go Bulk	2	
NA184	Go Bulk	3	

INDUSTRIAL GREY BRISTLE PAINT BRUSH

- General purpose bristle brush
- Ideal to apply paint, glue, epoxy and resins
- 100% grey bristle
- Brush shape: Flat straight
- Handle material: Plastic
- Handle colour: Red



CROWN-MEAKINS

Model No.	Size"	Overall Length"	Brush Thickness"	Brush Length Out"	Handle Length"	Price /Each
KP527	1	7-3/4	3/8	1-3/4	4-1/2	
KP528	2	8-1/8	7/16	2	4-3/4	
KP529	3	9	1/2	2-1/4	5-1/4	
KP530	4	9-3/4	5/8	2-1/4	6	

AP200 SERIES PAINT BRUSHES

- Brush Type: Pure white bristles
- Handle: Solid plain wood
- Tin-plated ferrule
- Well-suited for oil-based paints



aurora tools®

Model No.	Width"	Price /Each
KP306	0.5	
KP297	1	
KP298	2	
KP299	3	

AP400 SERIES PAINT BRUSHES

- Brush Type: Foam brush
- Handle: Solid wood
- Disposable
- Well-suited for applying urethane or for touch-up jobs



aurora tools®

Model No.	Width"	Price /Each
KP335	1	

FOAM PAINT BRUSH

- High density foam
- Ideal for paints, stains and varnishes
- Ideal for touch ups and crafts
- Handle material: Wood
- Handle colour: Natural - plain wood



CROWN-MEAKINS

Model No.	Brush Diameter"	Brush Thickness"	Brush Length Out"	Handle Length"	Overall Length"	Price /Each
KP535	2	5/8	2-1/4	4	6-1/2	
KP536	4	1/2	2-3/4	4	6-1/5	

ALL PURPOSE POLYESTER PAINT BRUSH

- General purpose polyester brush
- 100% polyester
- Brush shape: Flat straight
- Handle material: Plastic
- Handle colour: Red



CROWN-MEAKINS

Model No.	Size"	Overall Length"	Brush Thickness"	Brush Length Out"	Handle Length"	Price /Each
KP523	1	8-1/8	3/8	2	4-1/2	
KP524	2	8-1/2	7/16	2-1/4	4-3/4	
KP525	3	9-1/2	1/2	2-1/4	5-1/4	
KP526	4	10	11/16	2-3/4	5-1/2	

ALL PURPOSE BLACK BRISTLE PAINT BRUSH

- General purpose bristle brush
- 100% natural black bristle
- Ideal for paints, primers and adhesives
- Brush shape: Flat straight
- Handle material: Plastic
- Handle colour: Blue



CROWN-MEAKINS

Model No.	Size"	Overall Length"	Brush Thickness"	Brush Length Out"	Handle Length"	Price /Each
KP531	1	8	3/8	2	4-1/2	
KP532	2	8-1/2	7/16	2-1/4	4-3/4	
KP533	3	9-3/8	1/2	2-1/2	5-1/4	
KP534	4	10	11/16	2-3/4	5-1/2	

PROFESSIONAL NYLON/ POLYESTER ANGLE SASH BRUSHES

- A unique blend of satin-edge nylon (Tynex®) and Orel® polyester
- Recommended for both interior and exterior projects
- Can be used with all paints
- The stiffness retention, a property of polyester, makes this tool ideal for working in hot and humid climates



Model No.	Description	Size"	Thickness"	Length Out"	Price /Each
KP031	Blue Heron	2 1/2	5/8	2 15/16	
KP032	XL-Cub	2	9/16	2 11/16	
KP033	XL-Dale	1	5/16	1 15/16	
KP034	XL-Glide	1 1/2	1/2	2 7/16	
KP036	XL-Glide	2	9/16	2 11/16	
KP035	XL-Glide	2 1/2	5/8	2 15/16	
KP037	XL-Glide	3	5/8	3 3/16	

CHIP BRISTLE PAINT BRUSH

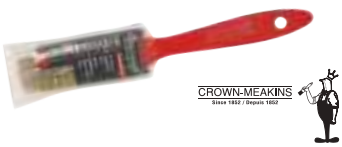
- Economy brush
- Ideal for stains, resins, glue and grease
- Paint type: All paints and coatings
- Handle colour: Natural - plain wood



Model No.	Size"	Overall Length"	Brush Thickness"	Brush Length Out"	Handle Length"	Price /Each
KP537	1/2	7-1/4	1/4	1-1/2	4-1/4	
KP538	1	7-1/8	5/16	1-1/2	4-1/4	
KP539	2	7-3/4	5/16	1-1/2	4-1/2	
KP540	3	8	3/8	1-1/2	5-1/8	

CLASSIC POLYESTER PAINT BRUSH

- Multi purpose polyester brush
- Ideal for water based paints and stains
- 100% Polyester
- Paint type: Latex/water based paints
- Handle material: Plastic
- Handle colour: Red



Model No.	Size"	Overall Length"	Brush Thickness"	Brush Length Out"	Handle Length"	Price /Each
KP541	1	8-3/4	7/16	2-1/4	4-3/4	
KP542	2	9-1/4	9/16	2-3/4	4-7/8	
KP543	3	9-1/2	11/16	2-3/4	5-1/8	
KP544	4	10-1/2	11/16	3	5-1/2	
KP545*	2	11-1/2	9/16	2-1/4	7-1/8	

*Angular brush

CLASSIC BRISTLE PAINT BRUSH

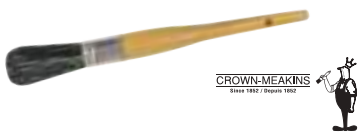
- Multi purpose bristle brush
- Ideal for oil based paints, stains and varnishes
- Ideal for general maintenance
- Handle material: Plastic
- Handle colour: Blue



Model No.	Size"	Overall Length"	Brush Thickness"	Brush Length Out"	Handle Length"	Price /Each
KP546	1	8-3/8	7/16	2	4-3/4	
KP547	2	9-1/8	9/16	2-1/2	5	
KP548	3	10	11/16	3	5	
KP549	4	10	11/16	3	5-1/2	

PARTS CLEANING BRUSH

- Ideal for cleaning parts, crevices and hard to reach areas
- Ideal for applying adhesives and lubricants
- Size: 15/16"
- Number size: #8
- Handle material: Plastic
- Handle colour: Natural - plain wood



Model No.	Brush Material	Overall Length"	Brush Length Out"	Handle Length"	Price /Each
KP550	Tampico	10-7/8	2-3/4	6-1/2	
KP551	Crimped Synthetic	10-3/4	2-1/2	6-1/2	

OVAL BRISTLE BRUSH

- Oval sash brush
- Ideal for glue, shellac and machine cleaning
- 100% black bristle
- Tip type: Flat
- Handle material: Plastic
- Handle colour: Natural - plain wood



Model No.	Size"	Number Size	Overall Length"	Brush Length Out"	Handle Length"	Price /Each
KP552	13/32	2	8-7/8	1-3/4	5-1/2	
KP553	21/32	4	9-1/4	1-3/4	5-1/2	
KP554	25/32	6	9-1/2	1-3/4	6-1/4	
KP555	15/16	8	10-5/8	3	6-3/4	
KP556	1-1/16	10	11-3/8	3	6-3/16	

RADIATOR BRISTLE PAINT BRUSH

- Bent radiator brush
- Ideal for painting behind permanent fixtures and hard to reach areas
- 100% bristle
- Handle material: Wood
- Handle colour: Natural - plain wood



Model No.	Size"	Overall Length"	Brush Thickness"	Brush Length Out"	Handle Length"	Price /Each
KP557	1-1/2	16-1/4	7/16	2-1/4	12-1/2	
KP558	2	19	3/8	2-1/4	15-1/2	

EXTENSION POLES

- Threaded to fit all standard roller frame handles



Model No.	Description	Size"	Price /Each
NE065	Wood Pole w/Threaded Metal Tip	72	
NE066	Wood Pole w/Threaded Metal Tip	48	

POLYESTER/NYLON BLEND PRO PAINT BRUSH

- Professional blend of polyester and nylon filaments
- Rust resistant steel ferrules, hard wood handles, fine finishing for excellent pick up and release
- Synthetic filaments recommended for latex/water based paints
- Provides high capacity trim control
- Paint type: All paints and coatings
- Handle material: Wood
- Handle colour: Natural - plain wood



Model No.	Brush Shape	Size"	Overall Length"	Brush Thickness"	Brush Length Out"	Handle Length"	Price /Each
KP559	Angular	1-1/2	11-1/8	7/16	2-1/2	6-1/2	
KP560	Angular	2	11-5/8	9/16	2-3/4	7	
KP561	Angular	2-1/2	12	5/8	3	7	
KP562	Straight	1-1/2	9-5/8	7/16	2-1/2	5-1/4	
KP563	Straight	2	10-1/8	9/16	2-3/4	5-1/2	
KP564	Straight	2-1/2	10-3/4	5/8	3	5-5/8	

CROWN PRO BRISTLE PAINT BRUSH

- Professional bristle brush
- Rust resistant steel ferrules, hard wood handles, fine finishing for excellent pick up and release
- Natural bristle recommended for oil based paints, stains and varnishes
- Provides high capacity trim control
- Paint type: Oil based paints, stains and varnishes
- Handle material: Wood
- Handle colour: Natural - plain wood



Model No.	Brush Shape	Size"	Overall Length"	Brush Thickness"	Brush Length Out"	Handle Length"	Price /Each
KP565	Angular	1-1/2	11-3/8	7/16	2-1/2	7	
KP566	Angular	2	11-1/2	9/15	2-1/2	7	
KP567	Angular	2-1/2	12-1/2	5/8	2-3/4	7-3/8	
KP568	Straight	2-1/2	10-1/8	5/8	3	6-1/2	

AA BRISTLE STRAIGHT SASH PAINT BRUSH

- Professional bristle brush
- Rust resistant steel ferrules, hard wood handles, fine finishing for excellent pick up and release
- Natural bristle recommended for oil based paints, stains and varnishes
- Long sash handle ideal for comfort and precision
- Paint type: For oil based paints, stains and varnishes
- Handle material: Wood
- Handle colour: Natural - plain wood



Model No.	Brush Shape	Size"	Overall Length"	Brush Thickness"	Brush Length Out"	Handle Length"	Price /Each
KP569	Straight	2	11-1/4	9/16	3	6-7/8	
KP570	Straight	2-1/2	11-1/2	5/8	3	7-3/8	
KP571	Straight	4	11-1/2	7/8	3-3/4	6	

WOVEN LINT FREE

- Roller cover fabric is tightly woven into the cover backing to provide shed-free results
- Ideal for when the smoothest finish is required
- For latex or oil paint

Rubberset®



Model No.	Size mm	Size inches	NAP (mm)	Description	Price /Each
NA189	240	9 1/2	6	Smooth	
NA190	240	9 1/2	10	Smooth or Light Textured	
NA191	240	9 1/2	13	Semi-Smooth	

MULTI-USE SLEEVES

- Polyester fibre
- For latex or oil paint

Rubberset®



Model No.	Size mm	Size inches	NAP (mm)	Description	Price /Each
NA193	240	9 1/2	6	Smooth	
NA194	240	9 1/2	10	Semi-Smooth	

MOBLEND SLEEVES

- For latex or oil paint

Rubberset®



ND897

Model No.	Size mm	Size inches	NAP (mm)	Description	Price /Each
ND897	190	7 1/2	5	Smooth	
ND898	240	9 1/2	5	Smooth	

ONE COAT SLEEVES

- Phenolic core
- For latex or oil paint

Rubberset®



ND342

Model No.	Size mm	Size inches	NAP (mm)	Description	Price /Each
ND342	190	7 1/2	6	Very Smooth	
ND899	190	7 1/2	10	Smooth	
NI554	190	7 1/2	13	Semi-Smooth	
ND900	240	9 1/2	6	Very Smooth	
ND901	240	9 1/2	10	Smooth	
ND902	240	9 1/2	13	Semi-Smooth	
NA192	240	9 1/2	25	Rough	

FOAM SLEEVES

- Foam roller covers provide a smooth, lint-free finish
- Available in both smooth and a slit foam for textured surfaces

Rubberset®



KP083

Model No.	Size mm	Size inches	NAP (mm)	Description	Price /Each
KP083	240	9 1/2	10	Foam Gloss or Semi-Smooth Service	

PROFESSIONAL AA SYNTHETIC PAINT ROLLER COVER

- Professional high density polyester knit
- For use with all paints
- Cover material: Synthetic blend knit
- Core material: PVC



Model No.	Dia."	Length mm (Inches)	NAP mm	For Surface	Price /Each
KP572	1-1/2	240 (9-1/2)	5	Smooth	
KP573	1-1/2	240 (9-1/2)	25	Rough	
KP574	1-1/2	240 (9-1/2)	10	Semi-Smooth	
KP575	1-1/2	240 (9-1/2)	13	Semi-Smooth	
KP576	1-1/2	240 (9-1/2)	19	Semi-Rough	
KP577	1-1/2	240 (9-1/2)	30	Rough	

MULTI-USE PAINT ROLLER SLEEVE

- Designed for smooth surfaces
- Length: 230 mm (9")
- Sleeve Material: Polyester Fibre
- Core Material: Plastic
- Core Diameter: 1-1/2"
- Application Type: Oil and Latex Paints

KP726



aurora tools®

Model No.	NAP mm (")	Price /Each
KP726	6 mm (1/4")	
KP727	9.525 mm (3/8")	

ROLLER COVERS

- For use with all paints
- Core material: Plastic
- 2/pack
- For Surface: Rough
- NAP: 10 mm
- Length: 100 mm (4")
- Diameter: 3/4"

KP590



CROWN-MEAKINS

Model No.	For Surface	Price /Each
MICRO FIBRE PERLON ROLLERS		
KP590	Rough/Semi-Smooth/Smooth/Very Rough	
MICRO HIGH DENSITY FOAM		
KP591	Smooth	

PROFESSIONAL LINT FREE PAINT ROLLER COVER

- Professional woven lint free
- For use with all paints
- Cover material: Synthetic woven
- Core material: PVC

CROWN-MEAKINS

KP579



Model No.	Dia."	Length mm (Inches)	NAP mm	For Surface	Price /Each
KP578	1-1/2	240 (9-1/2)	6	Smooth	
KP579	1-1/2	240 (9-1/2)	10	Smooth/Semi-Smooth	
KP580	1-1/2	240 (9-1/2)	13	Smooth/Semi-Smooth	

MINI TRIM ROLLER PAINT COVER

- Trim rollers ideal for touch up and trim work
- For use with all paints
- Cover material: Synthetic knit
- Core material: Plastic

CROWN-MEAKINS

KP581



Model No.	Dia."	Length mm (Inches)	NAP mm	For Surface	Price /Each
KP581	1-1/2	75 (3)	6	Smooth	
KP582	1-1/2	75 (3)	10	Smooth/Semi-Smooth	
KP583	1-1/2	100 (4)	10	Smooth/Semi-Smooth	

MINI MOBLEND TRIM PAINT ROLLER COVER

- Moblend specialty roller
- For use with all paints
- Cover material: Moblend
- Core material: PVC

CROWN-MEAKINS



Model No.	Dia."	Length mm (Inches)	NAP mm	For Surface	Price /Each
KP584	1-1/2	100 (4)	5	Smooth	

MINI ROLLER SLEEVES & FRAMES

Rubberset®

ND859



Model No.	Size mm	Size Inches	NAP (mm)	Description	Price /Each
ND859	75	3	5	Moblend	
YC637	75	3	5	Polyhide	
NE424	75	3	11	Polyhide	
ND861	110	4 1/2	5	Moblend	

MINI PAINT ROLLER FRAME

- Threaded handle allows for easy replacement and use of various handle lengths
- For 100 mm (4") roller cover
- Handle length: 5-3/4"
- Frame material: Metal - Zinc Plated
- Handle material: Plastic

CROWN-MEAKINS

KP587



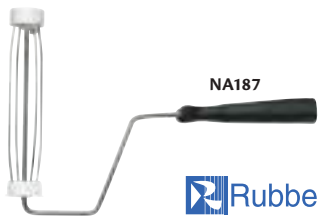
KP586

Model No.	Overall Length"	Price /Each
KP586	16	
KP587	10	

ROLLER FRAMES

- Wire gauge construction
- Plastic Handle

NA187



Rubberset®

Model No.	Size mm	Size Inches	Description	Price /Each
NA185	190	7 1/2	Light Duty 4-Wire Gauge	
NA187	240	9 1/2	Light Duty 5-Wire Gauge	
NA206	240	9 1/2	Heavy Duty 5-Wire Gauge	
NA207	240	9 1/2	Super Pro 5-Wire Gauge	

PAINT TRAYS & SETS

TYPE A

General - These deep wall, rust-resistant metal trays and plastic trays have adder grip type legs.

TYPE B

Professional - These trays are of heavy-duty rust resistant metal.

They have sturdy metal legs for use with ladders.



Rubberset®

Model No.	Type	Description	Price /Each
NE096	A	Plastic Tray, Deep Well, 9 1/2", 4 Litre Capacity	
NA196	A	Metal Tray For 9 1/2" Rollers	
NA208	B	Metal Tray, 9 1/2", 2 Litre Capacity	
NI523		Plastic Tray Liner for NA208	
NA209	B	Metal Tray, 9 1/2", 4 Litre Capacity	
NA205		Plastic Tray Liner for NA209	

PAINTER'S MASKING TAPE

- High quality painting tape adheres to multiple surfaces
- Reliable adhesion resists paint bleed-through
- Removes cleanly in one piece
- Colour: Green

aurora tools®

PF691



Model No.	Width mm (")	Length	Price /Each
PF691	50 (2)	55 m (180')	
PF690	25 (1)	55 m (180')	

PROFESSIONAL PAINTER'S MASKING TAPE/WEATHERABLE

- High quality green coarse crepe paper coated with synthetic rubber
- Excellent UV resistance
- Can be left in place up to 8 days
- Premium masking performance on glass, trim, walls and fresh paint (within 24 hours)
- Secure adhesion, resistant to humidity, stain and paint bleed through
- Conformability and clean removal
- Tensile strength: 19 lbs. (25 mm)

ipg®

PC521



Model No.	Width	Length (m)	Price /Each
PC520	18 mm (3/4")	55	
PC521	24 mm (1")	55	
PC522	36 mm (1 1/2")	55	
PC523	48 mm (2")	55	

PROFESSIONAL PAINTER'S MASKING TAPE

- Quality blue fine-paper crepe-backed painter's tape
- Can be exposed to direct sunlight and high humidity levels for up to 14 days
- Provides very clean paint lines and removes easily, will not leave any residue
- Premium masking performance on glass, trim, walls and fresh paint (within 24 hours)
- Tensile strength: 23 in-lbs.

ipg®

PD083



Model No.	Width	Length (m)	Price /Each
PD082	18 mm (3/4")	54.8	
PD085	48 mm (2")	54.8	

SOFTSPRAY HVLP CONVERSION GUNS

Converts standard high pressure (1.5 HP and larger) air compressor into a SoftSpray HVLP spray system.

- Three-spray pattern click-in-air cap
- Two-stage trigger
- Stainless needle and nozzle
- Super fine atomization
- NBC non-bleeder gun
- 1 quart cup
- PTE (product transfer efficiency) 89%

Model No. NI448
Price/Each $

WAGNER®



43-PC. SPRAY GUN KITS

Kit includes the following:

- 1 - Siphon feed spray paint gun and 33.8-oz. cup
- 1 - Siphon feed detail spray gun and 6.8-oz. cup
- 1 - Fine head detail air brush
- 1 - Air brush vinyl air hose
- 2 - Paint jars for air brush (1 with siphon tube)
- 1 - Aerosol propellant can adaptor/regulator
- 1 - 1/4" female adaptor for air brush
- 1 - 25' x 1/4" recoil air hose
- 1 - Air blower with hook
- 12-pc. assorted couplers
- 15 - Disposable paint filters
- 5-pc. spray gun cleaning kit
- 1 - Teflon® tape
- 1 - Wrench

Model No. THZ749
Price/Each $

KING CANADA



PAINTBRUSH & ROLLER CLEANING TOOL

- 3-in-1 cleaning tool
- Removes floating filaments before painting
- Cleans paintbrushes and roller covers
- Removes excess paint from roller covers
- Colour: Yellow

Model No. KP376
Price/Each $

Richard®



PAINT MITT

- Polyester blend
- For use with all paints



Model No. KP585
Price/Each $

POWER PAINTER® HANDHELD SPRAYERS

- Optimus Dual Tip Technology creates a vacuum effect between tips which draws more paint particles into a single spray pattern with less overspray
- Offers even paint distribution creating a consistent coverage
- Wider spray pattern covers more area in a single pass
- Rotatable nozzle allows up/down painting as well as side-to-side
- Ultra durable tungsten carbide spray tip ensures longer life
- Ideal for thin to thick bodied including unthinned latex
- Includes: carrying case, 6-ft suction set, spare atomizer valve, cleaning brush, lubricating oil, Quick flush adapter

WAGNER®

KP291



KP292



Model No.	Mfg. No.	GPH (Gal per Hour)	Reservoir	Electronic Speed Control	Price /Each
KP291	0525000	5.4	1 Quart	-	
KP292	0525027C	6.6	1.5 Quart	2-Speed Pattern Control	

SPRAY GUN KITS

- Professional quality, industrial style with traditional fit and feel
- Separate adjustable fluid spray pattern knobs for fine detailing or total coverage
- Air consumption: 10-13/2-7 CFM
- Operating pressure: 50-80 PSI
- Air inlet: 1/4" NPT
- Cup volume: 1 L
- Nozzle size: 1.8 mm
- Weight: 3.6 lbs.

Model No. TEX272
Price/Each $

KING CANADA



PAINT PUTTY KNIVES & WALL SCRAPERS

FLEXIBLE PUTTY KNIVES

- For patching small holes and cracks



Richard

Model No.	Blade Description	Size"	Handle Description	Price /Each
TK912	Stainless Steel	1 1/4	Polypropylene	
NP310	High-Carbon Steel	1 1/4	Ergo-Grip™	
NP308	High-Carbon Steel	2	Ergo-Grip™	

STIFF PUTTY KNIVES

- For scraping and chipping out old putty

FLEXIBLE WALL SCRAPERS

- For applying drywall compounds

STIFF WALL SCRAPERS

- For scraping old putty, paint, varnish, etc.



Richard

Model No.	Blade Description	Size"	Handle Description	Price /Each
STIFF PUTTY KNIVES				
NP316	Stainless Steel	1 1/4	Polypropylene	
TK789	Brass	1 1/4	Ergo-Grip™	
NP311	High-Carbon Steel	1 1/4	Ergo-Grip™	
TK790	Brass	2	Ergo-Grip™	
NP337	High-Carbon Steel	2	Ergo-Grip™	
FLEXIBLE WALL SCRAPERS				
NP300	High-Carbon Steel	3	Ergo-Grip™	
STIFF WALL SCRAPERS				
NP301	High-Carbon Steel	3	Ergo-Grip™	
TQ032	Brass	3	Ergo-Grip™	

FLEXIBLE TAPING KNIVES

- For taping drywall joints and applying drywall compounds



Richard

Model No.	Blade Description	Size"	Handle Description	Price /Each
TK914	Stainless Steel	4	Polypropylene	
NP280	High-Carbon Steel	4	Ergo-Grip™	
NP276	High-Carbon Steel	5	Ergo-Grip™	
TK916	Stainless Steel	6	Polypropylene	
NP270	High-Carbon Steel	6	Ergo-Grip™	

COMBINATION 6-IN-1 TOOLS

- Cleans paint rollers, cleans out cracks, opens paint cans, scrapes, sets nails, applies dry wall compounds and spackling



NP290

COMBINATION 9-IN-1 TOOLS

- Cleans paint rollers, cleans out cracks, opens or closes paint cans, spreads putty, scrapes concave or convex surfaces, sets or pulls nails



NT067

Richard

COMBINATION 11-IN-1 TOOLS

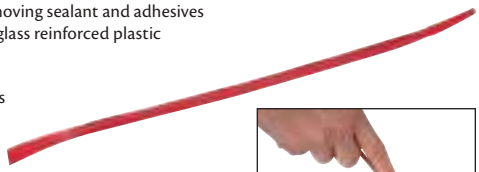
- Sets drywall screws, opens bottles, cleans rollers, opens paint cans, spreads compound, scrapes, closes paint cans, scrapes concave surfaces, scrapes convex surfaces, pulls nails, cleans out cracks

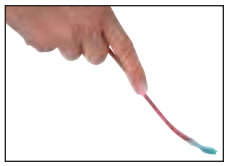
Model No.	Blade Description	Size"	Handle Description	Price /Each
6-IN-1				
NP290	High-Carbon Steel	2 3/8	Ergo-Grip™	
9-IN-1				
NT067	Stiff High Carbon Steel Blade	-	Ergo-Grip™	
11-IN-1				
KP217	Stiff High Carbon Steel Blade	-	Ergo-Grip™	

SEALING SPATULA

- Ideal for spreading or removing sealant and adhesives
- Manufactured with fiberglass reinforced plastic
- Exceptional durability
- Flexible tips
- Sold in packs of 5 spatulas in a clear plastic tube

Model No. TLV164
Price/Each $





aurora tools®

SCRAPERS

RETRACTABLE RAZOR SCRAPERS

- For scraping and cleaning windows and various surfaces
- Positive locking system
- Metal body
- Replaceable single-edge razor blade

Model No. TK897
Price/Each $



Richard

- For scraping and cleaning windows and various surfaces
- Positive lock system
- Plastic body
- Replaceable single-edge razor blade

Model No. TK895
Price/Each $



Richard

RAZOR SCRAPER BLADES

- Single-edge razor blades
- High-carbon steel, precision ground for long-lasting sharpness



Richard

Model No.	Description	Thickness"	Price /Each
TK896	Single-Edge Blades, Pack of 5	0.009	
TK786	Single-Edge Blades, Pack of 100	0.009	
TK787	Single-Edge Blades, Pack of 100	0.012	

RAZOR SCRAPERS

- For scraping and cleaning windows and various surfaces
- Metal body
- Replaceable single-edge razor blade

Model No. TK894
Price/Each $



Richard

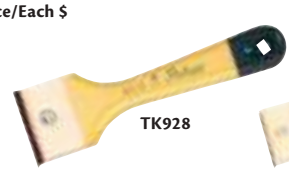
ERGONOMIC RAZOR SCRAPERS

- Scrapes and cleans glass, tiles and other smooth surfaces
- Ergo-Grip™ razor scraper with ergonomic rubberized contour
- Maximizes gripping effort and comfort
- Unique system facilitating blade change

Model No. NP323
Price/Each $



Richard



TK928



TK927

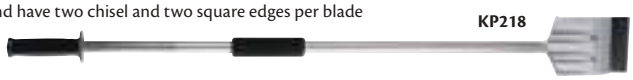
Richard

PLASTIC HANDLE WOOD SCRAPERS

Model No.	Replacement Blades 20/pck.	Handle Length"	Blade Size"	Uses	Price /Each
TK923	TK924	5 7/8	1	For Scraping Paint and Varnish	
TK925	TK926	7 5/8	1 3/4	For Scraping Paint and Varnish	
TK928	TK929	8 1/2	2 1/2	For Smoothing Wood Surfaces	
TK927	TK929	14	2 1/2	For Smoothing Wood Surfaces	

HEAVY-DUTY FLOOR SCRAPERS

- Foam grip handle
- Reinforced cast metal head maximizing strength
- Ideal to remove carpet, linoleum and other material from walls, floors or wood
- Replacement blades are made of high carbon steel and have two chisel and two square edges per blade



Model No.	Description	Price /Each
KP218	48" Heavy-Duty Floor Scraper	
KP219	12" Heavy-Duty Floor Scraper	
KP220	4" x 4" Replacement Blade For **KP218** and **KP219**	
KP221	6" x 4" Replacement Blade For **KP218** and **KP219**	

WALLBOARD SAWS

- For cutting drywall materials
- Utility saw with 6" heavy-duty steel blade
- Hardwood handle

Model No. TK793
Price/Each $



ERGO-GRIP™ WALLBOARD SAWS

- Rubberized Cushion ergonomic handle
- Curve of the handle allows maximum traction
- Guard keeps hand from slipping
- Cuts wallboard, PVC pipes and wood
- High quality, heavy-duty 6" steel blade

Model No. NT074
Price/Each $



EXTRA STRONG ERGO-GRIP™ WALLBOARD SAWS

- Cuts wallboard, PVC pipes, wood and other heavy-duty materials
- High quality steel blade is hardened, tempered and ground for more resistance
- Sharp cross teeth ensure fast powerful cut
- Cuts 50% faster than a conventional saw

Model No. NP335
Price/Each $



FINISHING TROWELS

- High-carbon spring steel



Model No.	Description	Size"	Price /Each
TK868	Cement	14 x 4	
TK869	Cement	16 x 4	
TK885	Drywall	10 x 4	
TK886	Drywall	11 x 4 1/2	
TK887	Drywall	12 x 4	

HAND SANDERS & SANDING BLOCKS



Model No.	Size"	Description	Application	Price /Each
TK856	4 x 2 3/8	Polypropylene Handle Sanding Block	For Sanding Flat, Curved and Beveled Surfaces	
TK781	5 x 2 3/4	Comfortable Hard Rubber Body Sanding Block	For Sanding Curved or Irregular Shapes	
NP279	9 x 3 1/4	Ergo-Grip DrywallHandsander w/Easy Clamp System	For Hand Sanding of Drywall	

ADHESIVE SPREADERS, CS-PRO SERIES

- For applying adhesive (follow adhesive manufacturer's recommendation for tool notch size and style)
- Blade surface is embossed with ridges for strength
- Cold-rolled satin-finished steel blades
- 3" blades already inserted in painted birch handle



Model No.	Spreader Description	Tooth Size"	Tooth Dimensions"	Price /Each
TK858	V Notch	3	1/16 x 3/64 x 13/64	
TK861	V Notch	6	1/32 x 1/64 x 15/64	
TK860	V Notch	6	1/16 x 3/64 x 13/64	
TK862	V Notch	6	3/16 x 1/8 x 1/8	
TK866	V Notch	9	1/32 x 1/64 x 15/64	
TK865	V Notch	9	1/16 x 3/64 x 13/64	
TK867	V Notch	9	3/16 x 1/8 x 1/8	

DRYWALL KNIVES

- For applying and feathering drywall compound



Model No.	Blade	Size"	Handle Description	Price /Each
TK900	Steel	6	Polypropylene	
TK901	Steel	8	Polypropylene	
NT091	Stainless Steel	8	Ergo-Grip™	
TK898	Steel	10	Polypropylene	
NT064	Stainless Steel	10	Ergo-Grip™	
NT065	Stainless Steel	12	Ergo-Grip™	

ALUMINUM HAWKS

- For carrying and holding compounds while applying to surfaces
- Foam callus preventor hugs the curves of the hand
- The hollow handle is designed to rest on scaffolding rods



Model No.	Description	Size"	Price /Each
NT070	Square	10	
NT071	Square	13	

SPONGE SANDERS WITH CLAWS

- Unique universal joint design prevents sponge from flipping
- Four open claw system for easy sanding sponge installation without damaging the sponge
- Aluminum body for professional use
- Female acme thread fits any standard pole
- 7 1/2" x 3 3/8"
- Ideal for drywall compound, wood and other materials
- Comes complete with one **KP226** sanding sponge

Model No. KP222
Price/Each $

REPLACEMENT SANDING SPONGES

- Resistant, last longer than sandpaper
- Reusable, rinse clean with water
- Versatile, can be used wet or dry
- Rectangular sponges are ideal for sanding large surfaces
- Corner sponge is available in fine grit, is rigid to produce smooth, tight corners , flexible to sand slightly imperfect corners and eliminates gouging produced by the edges of regular sanders

Model No.	Description	Dimensions"	Grit	Price /Each
KP223	4-Sided Drywall Sanding Sponge	8 7/8 x 4 3/4	Fine	
KP224	4-Sided Drywall Sanding Sponge	8 7/8 x 4 3/4	Medium	
KP225	2-Sided Drywall Sanding Sponge	8 7/8 x 4 3/4	Fine	
KP226	2-Sided Drywall Sanding Sponge	8 7/8 x 4 3/4	Medium	
KP227	3-Sided Triangular Corner Sanding Sponge	2 1/2 x 2 1/2 x 8 3/4	Fine	

ZIPWALL® BARRIER SYSTEMS

- Provides a quick and easy dust barrier without the use of tape or a ladder, without damaging the surface
- Lightweight and easy to use
- Extendable poles can be used on vaulted or angled ceilings
- GripDisks™ eliminate slippage on hard floors
- Can be used with plastic up to 8 mm thick or with ZipWall® zippers
- Foam Railstm models feature a cross bar with a soft spongy edge that press firmly against the ceiling creating a tight seal



ZIPWALL®

Model No.	Mfg. No.	Includes	Length of Pole	Price /Each
NT099	SLP2	2 Aluminum Poles and Parts	4'7" to 12'	
NT100	KT20	2 Aluminum Poles and Parts	5'2" to 20'	
KP135	SLP6	6 Aluminum Poles and Parts	4'7" to 12'	
KP589	SLP4	4 Aluminum Poles and Parts, 2 Standard Zippers and a Carry Bag	4'7" to 12'	



ACCESSORIES

Model No.	Mfg. No.	Includes	Price /Each
KP136	FR2	Two 5' Foam Rails Cross Bar and 2 T-Clips Adaptor	
KP140	SDKP	Six 3" Foam Cross Bar, 6 T-Clips Adaptor and a Carrying Bag	
NT101	AZ2	2 ZipWall® Standard Zippers	
THZ766	CB1	Carrying Bag	
KP147	NSP2	2/Pack Non-Skid Replacement Plate	
KP329	TPH1	Replacement Head, Plate and Tether	
KP148	GD2	Grip Disk™ for Holding Bottom of Poles Securely Over Smooth Surfaces	
KP139	SC2	2 Side Clamps	

PAINTER'S DROP SHEETS

- Contractor quality, 100% canvas cotton construction
- Potects floor and furniture from paint mishaps
- Available in wthree sizes to fit most rooms
- Bordered edges
- 8 oz



Model No.	Size'	Price /Each
KP040	4 x 12	
KP041	10 x 11	
KP042	12 x 15	

PLASTIC SHEETS

PAINTER-CONTRACTOR GRADE

- Ideal for covering walls, furniture and large surfaces
- High density, lighter and tougher than regular plastic
- 9' x 400' roll in a convenient dispenser box, allows you to use only what you need, while protecting roll from dust and damage
- Resists bleed-through
- Easy to tape to a wall



Model No.	Size'	Price /Each
NI594	9 x 400	

PLASTIC DROP SHEETS

- Available in three grades for a wide variety of applications
- Economy grade is ideal as a dust cover, furniture cover, chest liner and outdoor table cover
- Regular grade can be used as a drop sheet for paint as well as an outside rain cover
- Industrial grade recommended for use on construction sites as weather protection, window repair and equipment cover
- Size: 10' x 25'



Model No.	Description	Price /Each
NI622	Economy	
NI623	Premium	
NI624	Industrial	

TACK CLOTHS

- Cleans any wood, metal or plaster surface of dust, dirt and sanding residue, ready for a smooth blemish free finish
- Size: 18" x 36"
- 24/case

Model No. JB988
Price/Each $

Wipe-it



COTTON WIPING CLOTHS

- Cleans spills, dusting, polishing, waxing and paint cleanup
- Soft enough for your car and other delicate surfaces
- Made from 100% all new cotton material
- Pack of 8 rags

Model No. KP043
Price/Each $

Wipe-it



COTTON PAINTER'S HOODS

- 100 % bleached white cotton
- Made from breathable, non-itchy cotton
- One size fits all

Model No. KP334
Price/Each $

Wipe-it



SANDBLAST MEDIA ABRASIVES

- All abrasives are sold in 50-lb. bags
- Other grades of abrasives also available
- Steel grit and steel bead also available

Canablast



GLASS BEADS

A popular media used primarily for dimensionally sensitive applications where tolerance and finish are your main concerns. Perfect for re-moving medium to light contamination without causing dimensional change, over stressing, imbedding or pitting. Used widely by automotive rebuilders, die and mold makers in the plating and aerospace industries.

Model No.	US Screen	Application	Price/Each
TG392	20-30	Coarse	
TG393	30-40	Coarse	
TG394	40-60	Coarse	
TG398	40-70	Med. Coarse	
TG399	50-80	Medium	
TG400	60-120	Med. Fine	
TG401	80-120	Fine	
TG402	100-170	Fine	
TG403	120-270	Fine	
BZ738	170-325	Fine	

ALUMINUM OXIDE

Highly aggressive abrasive. Ideal for applications where tough contamination is encountered and surface removal of 0.0005" to 0.08" is acceptable. Resulting finish is ideal for painting, plating and coating. Grit sizes range from #16 (coarse) to #220 (fine).

Model No.	Grit	Application	Price/Each
TG404	16	Coarse	
NP845	20	Coarse	
BZ740	30	Coarse	
BZ739	36	Coarse	
TG406	46	Med. Coarse	
BZ741	54	Med. Coarse	
TG407	60	Med. Coarse	
TG408	70	Medium	
TG409	80	Medium	
NP846	90	Medium	
TG410	100	Med. Fine	
NP847	120	Med. Fine	
TG411	150	Med. Fine	
TG412	180	Fine	
TG413	220	Fine	

JETMAG (SYNTHETIC OLIVINE PYROXENE SAND)

The only true substitute to sand (silica), JetMag offers excellent sanding quality and is cost/performance ratio is highly competitive. It allows faster cleaning and reduces consumption, therefore it offers greater productivity in enclosed work places. Because of its chemical and mineral composition, JetMag is a non-toxic material and environment friendly. Less than 1% free silica.

Model No.	Description	Application	Price/Each
NP848	16-60	16 Mesh	
NP849	30-60	24 Mesh	
NP850	35-70	40 Mesh	

PRESSURE ABRASIVE SANDBLASTERS

- Heavy-duty all steel construction
- Loading abrasive is made simple using the concave funnel top of the tank
- Safety pressure relief valve
- 1/2" (I.D.) x 8' abrasive feed hose
- Durable wheels and handle allow for easy mobility and flexible operation
- Includes media gun, 4 interchangeable nozzles (2, 2.5, 3 & 3.5 mm), water separator filter, protective blast hood and teflon tape
- 5 HP air compressor is recommended for optimal performance



KING CANADA

Model No.	Mfg. No.	Tank Cap. gal.	Operating Pressure Range PSI	Required Compressor Output CFM	Max. Amount of Abrasive lbs.	Dimensions L" x W" x H"	Weight lbs.	Price /Each
TMA003	KSB-10	10	65-120	6-25	40	14 x 17 x 33 1/4	48	
TMA004	KSB-20	20	65-120	6-25	80	15 3/4 x 20 x 35	56	

SANDBLAST CABINETS

- Filtered fluorescent light
- Gun comes with different sized nozzles for different usage
- 2 rubber gauntlet gloves mounted in front

KING CANADA

BC894



BV745



Model No.	BV745	BC894
Mfg. No.	KSB-110N-9	KSB-350
Fluorescent light	110 V	110 V
Maximum operating pressure	100 PSI	116 PSI
Required compressor output	5 CFM/PFM @ 80 PSI	15-25 CFM/PFM @ 40-80 PSI
Max. amount of abrasives	10 lbs.	35 lbs.
Cabinet dimensions	23" x 19" x 12" - 15"	37" x 26 3/4" x 17 1/2" - 25 1/2"
Dimensions (L x W x H)	23" x 19" x 19"	37" x 26 3/4" x 59"
Weight	36 lbs.	176 lbs.
Price/Each	$	$

ACCESSORIES

Model No.	Mfg. No.	Description	Price /Each
TEX180	KM-035	Replacement sandblast gun	
TJZ760	KM-036	Replacement ceramic nozzle (4/Pkg.)	
EA564	KM-097	Adhesive window protector for **BV745** (5-pc. Kit)	
EA565	KM-098	Adhesive window protector for **BC894** (5-pc. Kit)	

LIGHT INDUSTRIAL - ECONOBLAST SERIES SUCTION CABINETS

The Econoblast compact blast cleaning cabinet is offered in various convenient dimensions. These blast-cleaning cabinets are the most economical and versatile models available on the market. Built for occasional work, they are ideal for cleaning, finishing, deburring and etching. If you need an abrasive blasting cabinet and have a limited budget, the Econoblast will perform most tasks. for cleaning, deburring, stripping and deflashing.



SPECIFICATIONS:

- Dust bag standard - ventilation 400 CFM
- 1/3 HP, 3450 RPM, 115 V TEFC motor
- Natural latex gloves with nylon gauntlets
- Single door opening
- Window: 13" x 21" with plastic protector
- Halogen 250 W flood light
- Ceramic 5/16" nozzle, 5/32" air jet
- Trigger blasting control
- Will operate with a 5 HP industrial compressor
- 14-gauge expanded steel deck
- Convenient quick flush rubber plug
- Sturdy 13 gauge steel construction
- CSA approved
- Capacity: 300 lbs.
- Made in Canada
- Optional dust collector

Model No.	Dimensions"	Filtration Sq.Ft.	Price/Each
TG414	26 x 36	13	
NP839	26 x 36	50	
TG415	28 x 44	13	
NP840	28 x 44	50	
TG417	36 x 48	13	
NP842	36 x 48	50	

SEMI-INDUSTRIAL - ECAB SERIES SUCTION CABINETS

The semi-industrial line of blast finishing cabinets is a mid-level line designed to deliver the same dependability and performance as the industrial units, but at a more economical price. Whatever the application, all that is necessary is an air compressor producing a minimum of 22 CFM, and several pounds of sandblasting media (glass beads, aluminum oxide, etc.). Use the semi-industrial Ecab cabinets for medium duty cleaning, etching, deburring, finishing, trimming, etc.



SPECIFICATIONS:

- Dust bag standard - Ventilation 400 CFM
- 1/2 HP, 3450 RPM, 115 V TEFC Motor
- Natural latex gloves with nylon gauntlets
- 13" x 21" window with plastic protector
- Single door opening
- 2 x 100 W halogen bulbs
- Ceramic 5/16" nozzle, 5/32" (34 CFM) air jet standard
- Foot pedal blasting control
- Regulator and gauge air control
- Adjustable louver air vent
- 1/8" perforated steel screen drawer
- Convenient rubber plug for quick flushing of recycler
- 14 gauge steel construction
- 3 1/2" diameter return hose
- Abrasive recycler included
- CSA approved
- Capacity: 300 lbs.
- Made in Canada

Model No.	Dimensions"	Filtration Sq.Ft.	Price/Each
TG419	26 x 36	13	
NP828	26 x 36	50	
NP829	28 x 36	100	
TG421	36 x 48	50	
NP833	36 x 48	100	

DUST COLLECTORS & DUST BAGS – SUCTION OR PRESSURE TYPE CABINETS

- Models **TG422** and **NP766** dust bags are standard dust filtration and reclamation system used with the Econoblast and Ecab series blast cleaning cabinets
- Model **TG418** dust collector is designed for medium duty blast cleaning operations
- Models **TG423** and **NP827** dust collectors are designed for heavy-duty applications and are the most efficient for preventing dust from escaping into the work environment and contaminating machines and work surfaces



Model No.	Description	Filtration Sq.Ft.	Motor HP	Fan CFM	Price /Each
TG418	Medium Duty Dust Collector	50	0.5	400	
TG423	Heavy-Duty Dust Collector	100	1	600	
NP827	Heavy-Duty Dust Collector	230	2	1200	
TG422	Dust Bag	13	0.33	400	
NP766	Dust Bag	30	1	600	

80-LB. CAPACITY PORTABLE BLASTER

- Ideal for light maintenance jobs on machinery and road equipment
- Requires minimum 5 HP air compressor to operate
- CSA approved, made in Canada
- Capacity: 1.0 cu.ft
- Includes: Blast hose 8' long (3.04 m) and 1/2" I.D. (12.7 mm), with fittings. Ceramic nozzle, 1/8" (3.1 mm) orifice. Protective washers for nozzle and fittings. **BZ689** protective hood with replacement visor. **BZ685** remote control system.

Model No.	**TJZ979**
Piping:	1/2"
Total height:	39"
Tank diameter:	12"
Capacity:	80 lbs.
Weight:	45 lbs.
Price/Each	**$**



346® PORTABLE PRESSURE BLASTER

- Tank capacity of 4.1 cubic feet, 18" diameter
- Standard pressure release dead man control systems, for greater safety
- Abrasive metering valves will assure precise and easy control flow of abrasive
- Standard pneumatic dead man remote control system
- Convex top for built-in filling funnel
- Removable plunger with no threads
- Durable sealing plunger
- Extra low profile
- Large hand hole for easy access to inside of tank
- Lifting eyes
- Heavy duty piping
- Conical bottom
- Stabilizing support frame which eliminates wheel fatigue and pot tip over
- Large hard rubber wheels
- Air pressure gauge
- Water separator

TMA028 includes: Pneumatic sandblaster, 50' sandblasting hose, one tungsten carbide nozzle, Radex air purifier, 50' of air hose to feed air between air purifier and protective hood and Nova 2000 air supplied protective kit

TMA026 includes: 50' sandblasting hose and one tungsten carbide nozzle

TMA027 includes: Radex air purifier, 50' of air hose to feed air between air purifier and protective hood and Nova 2000 air supplied protective kit



Model No.	MFG No.	Description	Weight	Price/Each
TMA021	646101	Pneumatic Sandblaster Only	225 lbs.	
TMA026	734400	Portable Pressure Blaster Kit #1 (Sandblaster Not Included)	275 lbs.	
TMA027	735000	Portable Pressure Blaster Kit #2	300 lbs.	
TMA028	-	Portable Pressure Blaster Complete Kit	500 lbs.	


NP768


BZ715


TG425


BZ692


NP776


NP773


BZ694

NOZZLES FOR BLASTING GUNS

STRAIGHT BARREL W/ TAPERED BODY – 7/8" OD DIAMETER AT BASE, 1 1/4" LENGTH

Model No.	Description	Dimensions"	For cabinets	Price/Each
BZ691	Ceramic Nozzle	1/4	Econo	
BZ692	Ceramic Nozzle	5/16	Econo	
NP769	Tungsten Carbide Nozzle	1/4	Econo	

STRAIGHT BARREL W/ TAPERED BODY – 1 1/8" OD DIAMETER AT BASE, 1 3/8" LENGTH

Model No.	Description	Dimensions"	For cabinets	Price/Each
NP770	Ceramic Nozzle	1/4	Ecab, M	
NP771	Ceramic Nozzle	5/16	Ecab, M	
NP776	Ceramic Nozzle	3/8	Ecab, M	
NP772	Ceramic Nozzle	7/16	Ecab, M	
NP773	Tungsten Carbide Nozzle	1/4	Ecab, M	
NP774	Boron Carbide Nozzle	1/4	Ecab, M	
BZ694	Boron Carbide Nozzle	5/16	Ecab, M	
NP775	Boron Carbide Nozzle	7/16	Ecab, M	

ACCESSORIES FOR SUCTION CABINETS

BLAST GUNS & NOZZLES

Model No.	Description	Dimensions"	For cabinets	Price/Each
TG424	With Ceramic Nozzle	5/16	Econo	
TG425	With Ceramic Nozzle	5/16	Ecab, M	
NP823	With Boron Carbide Nozzle	5/16	Ecab, M	
BZ715	Gun Body Only	-	Econo	
BZ719	Gun Body Only	-	Ecab, M	

ACCESSORIES FOR SUCTION & PRESSURE CABINETS

Model No.	Description	Dimensions	Price/Each
NP768	Cabinet gloves – Leather Sleeves	30" x 8"	
BZ690	Cabinet gloves – Nylon Sleeves	30" x 8"	
BZ720	Replacement Laminated Window	22" x 14"	
BZ681	Replacement Plastic Shields	23 3/4" x 18 3/4"	
BZ682	Replacement Plastic Shields	20 3/4" x 12 7/8"	
BZ684	Plastic Pail White	23 Liters	
NP806	Blast Hose	I.D. 1/2", O.D. 1 3/16"	
NP807	Blast Hose	I.D. 3/4", O.D. 1 1/2"	
BZ699	Blast Hose Kit includes NP806 and BZ700	-	
BZ700	Quick Connect Stem Coupling for NP806	-	
NP809	Quick Connect Stem Coupling for NP807	-	

SANDBLASTING & FUME EXTRACTORS

MOBILE FILTERS & MOBILE FILTERS ECO

- Mobile mechanical filter for welding fumes, grinding dust, etc
- Compact and flexible
- The extraction arm captures fume and dust at a distance of 30-50 cm (12-20") from the source and within an area of 0.5 m (20") diameter
- Black hood w/optimized airflow and ring handle and built in damper
- Flame proof PVC hose 160 mm (6.5") diameter
- This unit can also be fitted with an activated carbon filter which removes gases from polluted air



CONSTRUCTION:

- Unit made of powder painted steel sheet 16 ga.
- Fan 0,75 kW(1HP), 120 V, 1-phase, 2400 m^3/hr (1400 CFM) free-blowing
- The unit filters 1250 m^3/hr (700 CFM) through the hood
- Comes standard with 1-prefilter (spark-trap) and 1 washable (99% spun-bound polyester) cartridge filter (P-160)
- Active filter surface 14 m^2 (150+ ft^2)
- Delivered complete with ON/OFF starter, cable, and plug
- Flameproof 6.5' PVC coated fibreglass hose
- **5-year limited warranty**

Model No.	Mfg. No.	Description	Price/Each
BA655	P-150/P-002	Mobile Filter w/2 m Extraction Arm	
BA656	P-150/P-003	Mobile Filter w/3 m Extraction Arm	
BA657	P-160	Replacement Filter Cartridge for **BA655**-**BA656** (Cleanable with Compressed Air)	
BA659	P-160-W	Replacement Filter Cartridge for **BA655**-**BA656** (Washable with Soap and Hot Water, Suitable for Oily Smoke)	
EA452	P-535/P-002	"Self Cleaning" Mobile Fume Extractor w/2 m Extraction Arm	
EA453	P-535/P-003	"Self Cleaning" Mobile Fume Extractor w/3 m Extraction Arm	
EA454	P-541	"Eco" Replacement Filter Cartridge for **EA452**-**EA453** (Cleanable with Compressed Air)	

MOBILE FUME EXTRACTORS W/SELF CLEANING FILTERS

For direct capture of dust, smoke and fumes. Suitable for the following applications:

- Dry Particulates
- Welding Smoke
- Fumes
- Carbon Dust
- Plastic Dust
- Ceramic Dust
- Woodworking
- Fibreglass
- Textiles
- Rubber Dust
- Grinding Dust
- Powders
- Dry Chemicals
- Composites
- Cotton Dust
- Synthetics



Dirty air enters the cabinet from the hose and is directed vertically downward which results in a 180° turn at the bottom of the unit, causing separation of heavier particles into the removable dust pan. Second stage cartridge filter, traps the remaining particles with up to 99% efficiency.

SPECIFICATIONS:

Construction: 16-gauge steel cabinet finished with 2 part chemical and oil resistant paint. Includes Ultra-Seal® filter mounting system, removable access door to filters and direct drive motor/blower, 6.7' externally self-supporting E-Z Arm™ high flow pickup arm, 8" fixed front and 5" rear swivel casters, power cord, and on-off switch.

Weight: 255 lbs. Shipping weight 400 lbs.
Airflow: 1200 CFM with 1.5 HP motor
Noise: 70 dBA / 73 dBA 1.5 HP
Electrical: 1.5 HP 115/1/60
Filter Seal: Ultra-Seal® with positive sealing filter locking mechanism for all main filters, optional HEPA filter and adsorber modules (when used). Slide tracks shall be used for prefilters only.

Model No.	Mfg. No.	Description	Price /Each
BA710	PCH-1-1.5	Self Cleaning Mobile Filter w/2-m arm	
BA667	7FR02020	Replacement Filter Cartridge	
BA712	PCH-1-PG-5	0-5" Dial Pressure Gauge	

Note: Other extractors also available

FANS FOR FUME EXTRACTORS

- Powerful, silent, energy efficient fans provide even airflow with the lowest possible power consumption
- Extra bracket required for use with booms (use **BA694** for 6.5" boom and **EA456** for 8" boom)

Model No.	Mfg. No.	Voltage/ Phases/Amp	Free-Blowing HP	Free-Blowing CFM	Nominal (At-The-Hood) CFM	Price /Each
EA263*	P-149-1	115/1/60	1.0	1200	1 @ 700 CFM	
EA562	P-149	115/1/60	1.5	1200	1 @ 700 CFM	
BA683	P-152-1	115/1/60	1.5	1400	1 @ 1000 CFM	
BA689	P-152-2	208-230-460/3/60	2.0	1700	2 @ 600 CFM or 1 @ 900 CFM	
BA693	P-152-3	575/3/60	2.0	1700	2 @ 600 CFM or 1 @ 900 CFM	
EA264	P-154-1	208-230-460/3/60	3.0	1800	3 @ 600 CFM or 2 @ 900 CFM	
EA265	P-154-2	575/3/60	3.0	1800	3 @ 600 CFM or 2 @ 900 CFM	
EA266	LD-130-1	208-230-460/3/60	5.0	2000	4 @ 600 CFM or 3 @ 900 CFM	
EA267	LD-130-2	575/3/60	5.0	2000	4 @ 600 CFM or 3 @ 900 CFM	
EA268	LD-150-1	208-230-460/3/60	7.5	3000	6 @ 600 CFM or 5 @ 900 CFM	
EA269	LD-150-2	575/3/60	7.5	3000	6 @ 600 CFM or 5 @ 900 CFM	



*Complete with Plug & Play

FUME EXTRACTOR ARMS

- An extractor arm extracts smoke, dust and gases directly at the source, before the contamination has spread in the premises and been inhaled
- Superior extraction arm and advanced design "Parallelogram" counter balancing system that eliminates the need for continual adjustment of friction joints and allows for an unparalleled ease of movement
- Ideal solution for most "source-capture" applications and specifically recommended for applications requiring an "easy to position" extractor that does not require constant adjustment
- Compact and smooth design, excellent for areas with low ceiling
- **5-year limited warranty**

Flexi construction: Internal supporting mechanism made of mild steel tubing, 3 spring-assisted joints to provide precise counterbalancing of the extractor's inner and outer arm. Comes with a black baked-on enamel steel hood w/ optimized airflow and ring handle, and built in damper and with black baked-on enamel wall bracket. Motor and fan not included.

EXTRACTOR ARMS

Description	Flexi I, 6.5"dia Model No.	Mfg. No.	Price /Each	Flexi II, 8"dia Model No.	Mfg. No.	Price /Each
7' (2 m) Extractor Arm w/Wall Bracket	**BA660**	P-007		**BA978**	P-143	
10' (3 m) Extractor Arm w/Wall Bracket	**BA661**	P-008		**BA979**	P-144	
14' (4 m) Extractor Arm w/Wall Bracket	**BA662**	P-009		**BA980**	P-145	
17' (5 m) Extractor Arm w/Wall Bracket	**BA663**	P-010		**BA985**	P-146	



Fan not included

H MAX F SERIES COMBOS

- Boom and extractor arm combos
- Combos specially developed for welding, mixing of chemicals, grinding, and other applications when you need to reach over long distances
- Hoses are made of flame proof PVC with internal steel spiral
- Comes with Super-Flex® horizontal arm with ball bearing, extractor arm, hood with ring handle and built-in damper, wall bracket, hose and hood
- Fan and motor not included

H MAX F SERIES COMBOS

Description	Model No.	Price /Each
20' Boom & Extractor Arm Combo	**BA675**	
24' Boom & Extractor Arm Combo	**BA678**	
28' Boom & Extractor Arm Combo	**BA680**	



Fan not included

WALL FLEX & WALL FLEX ECO

NEW SELF-CLEANING UNIT NOW AVAILABLE

- Used to "at-Source" capture and filter a variety of airborne contaminants such as fumes, dust and gases
- Recognized as an excellent solution for the specific demands filtering source captured contaminants, the wall flex comes complete with a cleanable or self-cleaning filter and fan

CONSTRUCTION:

- Unit made of powder coated 12-14-16 ga. sheet steel
- Fan 0.75 kW (1HP), 120 V, 1-phase, 2400 m^3/hr (1450 CFM) free-blowing
- Capacity: 1250 m^3/hr (730 CFM) (With extraction arm)
- Standard with 1-prefilter and 1 washable 99 % main filter (99.5 % @ .5 micrometers)
- Complete with ON/OFF motor starter and overload protection
- 3.5 m (12') cable and plug
- Reverse Pulse-Jet filter cleaning units include:
  - Spark-proof impeller
  - Motor out of the air stream
  - Removable dust drawer
- **5-year limited warranty**
- **Always refer to owners manual before operating this type of equipment**

FEATURES & BENEFITS:

- "All Steel design" (not including hose) - No plastic to bend, melt or otherwise lose shape & deform
- Compact wall mount design - Saves on floor space
- Washable or self-cleaning filters - Avoid high cost replacement filters
- Available w/pulse jet filter cleaning system - Save on time required to clean the filters



Arm not included

Model No.	Mfg No.	Description	Price /Each
BA697	P-026/P-149/115V/1PH	Wall Mounted Filter w/115/1/60; 1.5 HP Fan	
BA657	P-160	Replacement Filter Cartridge for **BA697**, **BA698** and **BA699** (Cleanable with compressed air)	
BA659	P-160-W	Replacement Filter Cartridge for **BA697**, **BA698** and **BA699** (Washable with soap and hot water… Suitable for oily smoke)	
EA454	P-541	Replacement Filter Cartridge for **EA462**, **EA463** and **EA464** (Cleanable With Compressed Air) Prior 2013	
EA607	P-537	Replacement Filter Cartridge for **BA655** (Cleanable With Compressed Air) Post 2013	

SLEDGEHAMMER® SERIES DOWNDRAFT TABLES

- Used to capture and filter airborne contaminants generated from table TABLE-TOP type processes
- Additionally, a patent pending modular design allows these tables to be bolted together when a larger work surface is required

Added safety features included:

- Casters
- Water tray
- Secondary spark trap
- Side and top shields
- Spark-proof impeller
- Motor installed out of the airstream

CONSTRUCTION

- 14-16 ga. sheet steel, 1/4" steel plate work surface, 36" x 24"
- 1.5 hp (1.1 kW) 120 V/1/60 TEFC drive class II motor
- Flowrate: 1200 CFM (2000 m^3/hr)
- Avg. open face velocity: 250 FPM
- Nano Fiber filter cartridge (99.5 % @ 0.5 micrometers)
- ON/OFF motor starter & overload protection
- 3.5 m (12') cable and plug
- Reverse Pulse-Jet filter cleaning system
- Centrifugal "spark-proof" impeller
- **5-year limited warranty**
- **Always refer to owners manual before operating this type of equipment**

FEATURES & BENEFITS:

- Water tray - Extinguished sparks in high sparking applications
- Secondary spark trap - Further minimizes the risk of fire in sparking applications
- Reverse Pulse Jet filter cleaning system - High dust producing applications
- Enclosed side and back walls - Protect others from debris eg: Grinding particulates





lev-co

Model No.	Mfg. No.	Description	Price /Each
EA455	P-578	Down Draft Table	
EA454	P-541	Replacement Filter Cartridge for **EA455** (Cleanable with compressed air)	

MINI-VAC

lev-co

- Multi-purpose low flow 150-300 CFM
- 2 1/2" dia. extractor arm
- Designed for ducted source capture applications
- 2 or 3 inlets

CONSTRUCTION:

- 18-gauge steel cabinet
- Ultra seal filter mounting system

FEATURES AND BENEFITS:

- Swivel casters
- 120 CFM single arm
- 210 CFM dual arm
- 250 CFM 3 arms
- Plugs into any 115V outlet
- Lightweight
- Side inlets also available



Model No.	Mfg. No.	Description	Price /Each
BA745	66-1E	Mini-Vac portable air cleaner with one 6' arm	
BA658	66-2E	Mini-Vac portable air cleaner with one 6' arm with charcoal after filter	
EA563	66-3E	Mini-Vac portable air cleaner with three EZ arms	

Can't find what you're looking for?



Call us today!

PORTA-FLEX PORTABLE WELDING FUME EXTRACTORS WITH BUILT IN FILTER

- Suitable for welding in confined spaces or difficult to reach locations
- Perfect for service and repair work
- Efficient filtration
- The filter cartridge has long life and efficient filtration
- It is easy to change when it is full
- Uniquely easy to bring with you
- Porta-Flex has a weight of just 15kg
- It is extremely easy to carry with you as you roll the hose around the handle and fix the magnet nozzle to the outside of the filter box
- Two versions available
- Both come with flexible hose 2.5 m and filter cartridge is included with both



EA515, PORTA-FLEX 200 (1KW) 160M³/H

- **EA515** comes standard with **EA517** 400 mm Porta-Flex nozzle
- Designed for use with the smokeless welding torches and lighter duty applications for collection of dust and smoke at the source
- Polluted air is drawn away and filtered through a 3-stage filtration system
- 28 lbs.

EA516, PORTA-FLEX 200 AUTO (1KW) 160M³/H & AUTOMATIC START/STOP .

- Collects dust and smoke at the source
- Polluted air is drawn away and filtered through a 3-stage filtration system
- The dual powered fan system assures consistent and effective performance
- The side selection of filter combinations allow the unit to be used in a variety of applications
- Comes complete with an "AUTO-START" control which turns on the collector when the welder strikes the arc.
- 28 lbs.

Model No.	Mfg. No.	Description	Price/Each
EA515	P-610	Porta-Flex 200 1-phase/1kW/115V/60Hz, 650(W)x250(D)x450mm(H)	
EA516	P-614	Porta-Flex 200 Auto 1-phase/1kW/115V/60Hz with automatic start/stop	
EA517	P-615	400mm Porta-Flex Nozzle with Magnetic Base	
EA518	P-616	300mm Porta-Flex Nozzle with Magnetic Base	
EA519	P-617	200mm Porta-Flex Nozzle with Magnetic Base	
EA520	P-618	80mm Porta-Flex Nozzle with Magnetic Base	
EA521	P-619	Replacement Main Filter for the Porta-Flex	
EA522	P-620	Replacement HEPA Filter for the Porta-Flex	

lev-co

POWER CAT® PORTABLE BLOWERS

- Provides the extra power to tackle tough, industrial jobs
- Unique portable blower can be used for ventilating, cooling and heating the work space
- Removes fumes and smoke created during welding through addition of accessories
- Choice of 300 CFM model blower, or variable 1120/877 CFM unit
- Fitted with a duplex receptacle featuring 25', heavy-duty grounded extension cord
- 120 Volt/60 Hz motor
- Accessories sold separately

EA090



Marley Industrial Products

Model No.	Mfg No.	Blower	Lamp	Receptacle	Price /Each
EA090	A300	300 CFM	40 Watts	Duplex, Grounded	
EA091	1200XL	High Speed – 1120 CFM Low Speed – 877 CFM	N/A	Duplex, Grounded Weather-Resistant	

Model No.	Mfg. No.	Description	Price /Each
FOR MODEL EA090			
EA092	300DA	Duct accessory. 10' x 5" flexible duct with exhaust adaptor. Use to extend **EA094** in 10' increment.	
EA093	300EXT	Extension accessory. 10' x 6" flexible duct with connecting sleeve and clamp. Use to extend **EA092** and **EA094** in 10' increments.	
EA094	300IA	Intake accessory. 10' x 6" flexible duct with quick-mount fittings at both ends.	
EA095	300FE	Welding Fume Exhaust Nozzle. Clamps to **EA094** to direct intake of welding fumes.	
FOR MODEL EA091			
EA096	1200EA	Extension accessory. Easily attaches to connect **EA098** to unit.	
EA097	1200IA	Intake Adaptor. Quick-mount fitting to attach duct to unit.	
EA098	1200FD	Flexible Duct. 10' x 8" duct to be used with either **EA096** or **EA097**.	
EA099	1200DC	Duct Coupling. Clamp-on connector for additional **EA098** ducts.	
EA100	1200FE	Welding Fume Exhaust Nozzle. Clamps to **EA098** for extraction of welding fumes.	

ACCESSORIES FOR MODEL EA090



EA093 EA094 EA095 EA092

ACCESSORIES FOR MODEL EA091



EA100 EA097 EA099 EA098 & EA096

GAS WELDING OUTFITS & ACCESSORIES

WELDING & CUTTING OUTFITS

All Harris Classic outfits come complete with tool bag and include the following torch features: Solid forged head, brazed triangular tube design, ease-on cutting valve and protected torch union


Solid Forged Head


Brazed Triangular Tube Design


Ease-On Cutting Valve


Protected Torch Union

STEELWORKER® CLASSIC WITH TOOL BAG

- Cuts to 5" and welds to 1/2" with larger tips
- **Includes:**
  Torch handle (85)
  Mixer(D-85)
  Cutting attachment (72-3)
  Cutting tip (6290-1AC)
  Welding tip (23A90-5)
  Single stage 0-100 PSIG oxygen regulator
  Single stage 0-15 PSIG fuel gas regulator
  20' x 3/16" hose
  Goggles
  Striker

Model No. TTU521
Mfg. No. 4403224
Price/Each $


TTU521

PIPELINER® CLASSIC WITH TOOL BAG

- Cuts to 6" and welds to 1" with larger tips
- **Includes:**
  Torch handle (43-2)
  Mixer (E-43)
  Cutting attachment (73-3)
  Cutting tip (6290-1AC)
  Welding tip (23A90-5)
  Single stage 0-125 PSIG oxygen regulator
  Single stage 0-15 PSIG fuel gas regulator
  20' x 1/4" hose
  Goggles
  Striker

Model No. TTU520
Mfg. No. 4403235
Price/Each $


TTU520

EXPERT® CLASSIC WITH TOOL BAG

- Cuts to 4" and welds to 1/2"
- **Includes:**
  Torch handle (85) Mixer (D-85)
  Cutting attachment (72-3)
  Cutting tip (6290-1AC)
  Welding tip (23A90-5)
  Single stage 0-100 PSIG oxygen regulator
  Single stage 0-15 PSIG fuel gas regulator
  20' x 3/16" hose
  Goggles
  Striker

Model No. TTU522
Mfg. No. 4403228
Price/Each $


TTU522

PORT-A-TORCH® OUTFITS

- All outfit components are industrial grade for professional use
- Cutting attachments feature solid forged heads, triangular stainless steel tubes with brazed connections, solid brass forged levers and a lock ring that secures torch nut in place
- Torch handles feature silver-brazed, twin-tube construction and easily replaceable Flashguard® check valves
- Regulators equipped with an encapsulated Teflon® seat for safety and extended service life
- **Includes:** Welding tip (23A90-3), Fuel gas regulator (601-15-200), Oxygen regulator (601-80-540), 3/16" x 12' hose, 20 cu. ft. oxygen cylinder, 10 cu. ft. "MC" acetylene cylinder, cylinder wrench, goggles, striker and instruction manual
- Stored in a heavy-duty, weather-proof and flame retardant tool bag

Model No.	Mfg. No.	Description	Torch Handle	Cutting Attachment	Mixer	Cutting Tip	Price /Each
TTU624	4403211	Classic Style	85	72-3	D-85	6290-1AC	
TTU625	4403214	V-Series Style	V100C	V1350	V-W1	V-V3-101	



LIGHT/MEDIUM DUTY TOTE-A-TORCH OUTFITS

PROWELD by GENTEC

- For use in general repair, maintenance and HVAC applications
- Can weld up to 3/16" and cut up to 1/2"
- Rear entry regulators provide better balance
- Acetylene regulator has an MC CGA200 inlet connection; oxygen regulator has standard CGA540 connection
- **Includes:**
  Torch handle with check valve
  Cutting attachment
  Oxygen/acetylene regulators with 2" double-scale gauges
  Cutting tip
  Welding nozzle
  12.5' twin hose
  Goggles
  Striker
  Tank wrench
  Cylinders
  Polypropylene carrier

Model No. TTT892
Mfg. No. 72-PTC
Price/Each $



TOTE-A-TORCH OUTFITS

GENTEC® GENSTAR TECHNOLOGIES

- Light-to-medium duty portable outfit
- Welds up to 3/16" and cuts up to 1/2"
- Rear entry regulators for better balance
- Acetylene regulator has an "MC" (CGA 200) inlet connection; oxygen regulator has standard CGA 540 connection
- Victor® portable torch or Super Range® compatible
- **Includes:**
  Torch handle (142T)
  Cutting attachment (142C)
  Regulators (210X-80/210Y-15)
  Cutting tip (172C-0)
  Welding nozzle (172W-1)
  12.5' twin hoses
  Goggles
  Striker
  Plastic carrier
  One "MC" acetylene cylinder
  One "R" oxygen cylinder

Model No. 331-1070
Mfg. No. 12-PTC
Price/Each $





SILVER MEDIUM-DUTY WELDING & CUTTING OUTFITS

GENTEC® GENSTAR TECHNOLOGIES

- Can weld up to 1/4" and cut up to 1/2"
- Ideal general purpose kit for construction, facility maintenance, petroleum and chemical industries
- Victor® Cutskill® compatible
- Comes in environmentally-friendly packaging for easy transportation
- **Includes:**
  Torch handle with check valve
  Cutting attachment
  Oxygen/acetylene regulators with 2" double-scale gauges
  Cutting tip #0
  Welding nozzle #2
  T-Grade 17.5' twin hose
  Goggles
  Striker

Model No. TTV021
Mfg. No. 7120
Price/Each $



SILVER HEAVY-DUTY WELDING & CUTTING OUTFITS

GENTEC® GENSTAR TECHNOLOGIES

- Can weld up to 1/2" and cut up to 3/4"
- Ideal for industrial and commercial applications
- Victor® Cutskill® compatible
- Comes in environmentally-friendly packaging for easy transportation
- **Includes:**
  Torch handle with check valve
  Cutting attachment
  Oxygen/acetylene regulators with 2 1/2" double-scale gauges
  Cutting tip #1
  Welding nozzle #2
  T-Grade 17.5' twin hose
  Goggles
  Striker

Model No. TTV022
Mfg. No. 7130
Price/Each $



OXY-FUEL THE SMALL TORCH™ KITS

- Designed for plumbing, HVAC, refrigeration and jewelry manufacturing and repair
- Braze and solder material from the tiniest up to 1/8" thick steel
- Melts up to 3 oz silver
- Provides stable and precise concentrated feather flame up to 6000°F for various material such as metals, ceramics and glass
- Acetylene gas service
- **Includes:**
  Torch handle (10ST)
  Tips (10STP2 – 6)
  Hose
  Oxy/fuel regulators (where applicable)

GENTEC® GENSTAR TECHNOLOGIES



333-102201204



333-102201209

Model No.	Mfg. No.	Description	Price /Each
333-102201204	GKSTA06	Kit w/o Regulators	
333-102201209	GKSTA16	Kit with Oxy/Fuel Regulators	

GAS WELDING OUTFITS & ACCESSORIES

AIR-ACETYLENE OUTFITS

GENTEC® GENSTAR TECHNOLOGIES

- Choice of Quick-Connect (Swirl Flame), or Screw-Connect (Soft Flame) type tips
- KASL Series features quickly-connect auto-ignite tips with swirl flame which is ignited with a push of a button
- B tank connection
- **Includes:**
  Regulator (101 Y-BA)
  Torch handle
  Tip Hose (HGA-012A)



333-102205701

Model No.	Mfg. No.	Soft Solder"	Silver Braze"	Handle	Torch Tip	Price /Each
SWIRL FLAME, QUICK-CONNECT STYLE OUTFITS						
333-102205601	KA5BSP	1 1/2	3/4	66QT-RA	6Q-5TA	
SOFT FLAME, SCREW-CONNECT STYLE OUTFITS						
333-102205701	KASF4BSP	1	n/a	77ST-RA	7S-4SA	
SWIRL FLAME, QUICK-CONNECT STYLE OUTFITS W/AUTO-IGNITE TIPS						
333-102205608	KASL5BSP	1 1/2	3/4	66QT-RA	6Q-5TASL	

AIR-ACETYLENE FEATHER FLAME® TORCH KITS

- Screw-in style
- Feather brush flame
- Interchangeable screw-in tips
- Heavy-duty torch
- UL listed brass regulator
- **Includes:**
  12' hose
  Handle
  Lighter
  Wrench

GOSS® PROFESSIONAL TORCH EQUIPMENT



330-1663

Model No.	Mfg. No.	Tip No.	Reg. FTG	Price/Each
330-1663	KA-1H	BA-3	"B" Cylinder	
330-1669	KA-2H	BA-3	"MC" Cylinder	

AIR-ACETYLENE TARGET® TORCH KITS

- Snap-in style
- Hot turbine flame
- Interchangeable snap-in style tips
- Heavy-duty torch
- UL listed brass regulator
- For professional soldering and brazing applications
- **Includes:**
  Quick disconnect handle
  12' hose
  Tip(s)

GOSS® PROFESSIONAL TORCH EQUIPMENT



330-1777

Model No.	Mfg. No.	Tip No.	Reg. FTG	Price/Each
330-1777	KX-3B	GA-3, GA-11	"B" Cylinder	
330-1780	KX-7B	GA-8	"B" Cylinder	

AIR-ACETYLENE REGULATORS

- Made for rugged use
- Manufactured of solid brass
- 1 1/2" W x 3 5/16" H
- Specially designed conical seat and a neoprene diaphragm
- Inlets have filters to prevent dirt from entering regulator
- "A" hose fitting 3/8 – 24 L.H.
- UL listed

GOSS® PROFESSIONAL TORCH EQUIPMENT



Model No.	Mfg. No.	Connection	Price/Each
330-1423	EA-1G	"B" Cylinder	
330-1426	EA-2G	"MC" Cylinder	

HOTSPOTTER ALL-PURPOSE PROPANE HEAVY-DUTY TORCH KITS

WESTERN ENTERPRISES

- All-purpose propane flame tool operates off the pressure of a standard propane tank – no regulator required
- 31" handle
- Ideal for a wide variety of all-season maintenance/repair applications
- Burns weeds, repairs asphalt, seals tar, peels paint, removes road markings, melts ice and thaws pipe
- 500 000 BTU rating
- **Includes:**
  10' neoprene hose
  On/off valve
  Durable cast iron and steel nozzle
  Striker



Model No.	Mfg. No.	Price /Each
312-4904	WB-101	

PROPANE TORCH KITS

- Lightweight and durable steel construction
- Designed for heavy-duty outdoor applications such as weed burning, ice melting, drying/heating, asphalt, tar and road repair
- 500 000 BTU output
- On/Off brass needle and flame adjustable valve
- 10' hose with POL excess flow check valve and B-connection, no regulator required
- **Includes:**
  Torch
  Spark lighter
  10' hose

BLAZEBURNER



Model No.	Mfg. No.	Price /Each
TTU321	KP-320A	

GOSS® PROFESSIONAL TORCH EQUIPMENT

AUTO-IGNITE HAND TORCHES

- Durable cast iron construction
- High output swirl flame
- Precise flame adjustment
- CGA600 inlet connection
- Use with Propane or MAPP®



GENTEC® GENSTAR TECHNOLOGIES

Model No.	Mfg. No.	Replacement Tip End	Price /Each
333-9120750400	8Q-44TP	4TPESL	

AIR-ACETYLENE FEATHER FLAME® SCREW-IN TIPS

- Quiet, adjustable flame
- For soft soldering and light brazing

GOSS® PROFESSIONAL TORCH EQUIPMENT



Model No.	Mfg. No.	Tip "	Soft Solder"	Price/Each
330-1054	BA-1	1/16	1/16 – 1/8	
330-1057	BA-2	1/8	1/8 – 1/4	
330-1060	BA-3	3/16	1/4 – 1/2	
330-1066	BA-4	1/4	1/2 – 1	
330-1069	BA-5	5/16	1 – 1 1/2	
330-1072	BA-6	7/16	2 – 4	

CLASSIC TORCH HANDLES NO. 43-2

- High capacity combination handle
- Stainless steel head
- Equipped with FlashGuard® check valves
- Capacity: cuts 6", welds to 1"
- 9 1/2" length

Model No. TTT898
Mfg. No. 1401150
Price/Each $



CLASSIC TORCH HANDLES NO. 85

- Silver brazed twin tube construction for safety and durability
- Equipped with FlashGuard® check valves
- Capacity: cuts 5", welds to 1/2"
- 8 1/2" length

Model No. TTT899
Mfg. No. 1401340
Price/Each $



CLASSIC CUTTING ATTACHMENTS

- Solid forged head resists abuse and distortion
- Triangular tube design is compact and lightweight with exceptional strength and rigidity
- Brazed connections prevents leaks
- Protected torch union nut protects seals and O-rings from abuse
- Solid forged lever for exceptional strength
- Ease-on cutting oxygen control for smoother starts
- 90° torch head angle

TTT900



TTT901



Model No.	Mfg. No.	Uses Torch Head	Price/Each
TTT900	1300340	43-2	
TTT901	1300380	85	

HARRIS® INFERNO® AIR FUEL ACETYLENE KITS & TIPS

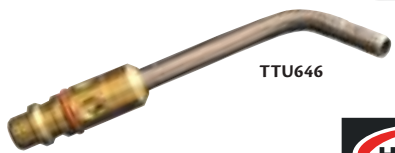
- Brazing and soldering without oxygen
- Hottest air fuel tip available
- Compatible with all competitive quick connect air fuel torches
- Results in faster brazing and soldering
- Precision manufactured for the best flame on the market today
- Kit includes: Quick connect handle, regulator (CGA 520), tip (**TTU646**) and hose
- Every tip made in USA by Harris® to exacting standards

Model No. TTU641
Mfg. No. 4400085
Price/Each $

TTU641



TTU646



ACETYLENE TIPS

Model No.	Mfg. No.	Tip"	Gas Flow @ 14 PSI SCFH	Soft Solder"	Brazing"	Price /Each
TTU645	1601110	1/4	3.10	Up to 1	Up to 1/2	
TTU646	1601111	5/16	5.80	3/4 - 1 1/2	1/4 - 3/4	
TTU647	1601112	3/8	6.60	1 - 2	1/2 - 1	
TTU648	1601113	7/16	9.80	1 1/4 - 3	7/8 - 1 5/8	

HAND CUTTING TORCHES

- The industry standard by which all other designs are compared!
- Cuts to 12"
- Solid forged head
- Triangular tube design
- Brazed connections
- Equipped with FlashGuard® check valves
- Choice of positive pressure **"E" Torches** for acetylene and alternate fuels, and low pressure **"F" Injector Torches** for maximum performance with alternate fuels such as propane, natural gas, MAPP® gas, and propylene

Note: "F" torches are NOT FOR USE with acetylene

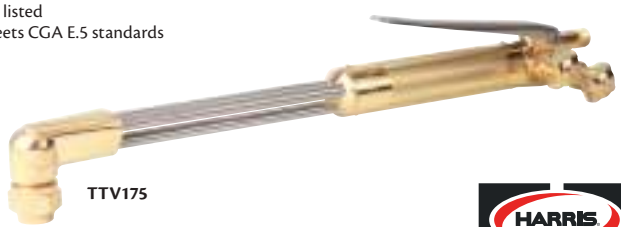


TTT905

Model No.	Mfg. No.	Head Angle°	Length"	Price/Each
POSITIVE PRESSURE "E" TORCHES				
TTT902	1003464	70	21	
TTT903	1003440	90	21	
TTT904	1003351	70	36	
TTT905	1003441	90	36	
LOW PRESSURE "F" INJECTOR TORCHES				
TTT906	1003370	70	21	
TTT907	1003470	90	21	
TTT910	1003400	70	36	
TTT911	1003480	90	36	

STRAIGHT CUTTING V242 HAND CUTTING TORCHES

- Victor® compatible medium-duty torch
- Designed for use with all fuel gases
- Cutting capacity: 6"
- Uses Victor® series 1 tips
- Features stainless steel cutting lever, ease on cutting valve, triangular tube design and Flashguard® check valves
- Equal pressure mixer
- UL listed
- Meets CGA E.5 standards



TTV175

Model No.	Mfg. No.	Head Angle°	Length"	Price /Each
TTV175	1004639	70	18	
TTV176	1004618	90	18	
TTV177	1004637	70	21	
TTV178	1004603	90	21	

GAS WELDING OUTFITS & ACCESSORIES

SINGLE STAGE REGULATORS NO. 25

- One-piece encapsulated seat design with an internal filter and a PTFE Teflon® seat
- Chrome-plated bonnet with forged brass body
- 2" dual scale gauges
- Gauge guards sold separately



TTT922

TTT926



TTT927



Model No.	Mfg. No.	Gas	Max Inlet PSIG	Delivery Pressure Range, PSIG	Delivery Pressure Gauge, PSIG	Supply Pressure Gauge, PSIG	Inlet Connection	Outlet Connection	Price /Each
TTT920	3000380	Acetylene	500	0-15	30	400	CGA510	9/16"-18 LH	
TTT921	3000450	Propane*	500	0-50	60	400	CGA510P	9/16"-18 LH	
TTT922	3000510	Oxygen	3000	0-100	150	4000	CGA540	9/16"-18 RH	
TTT923	3000540	Ar,N_2, He	3000	0-100	150	4000	CGA580	9/16"-18 RH	
TTT924	3000550	Industrial Air	3000	0-100	150	4000	CGA590	9/16"-18 RH	
TTT925	3000806	N_2	3000	0-200	400	4000	CGA580	9/16"-18 RH	
GAUGE GUARDS									
TTT926	4300140	Fuel Gas							
TTT927	4300139	Oxygen							

*Regulator designated for propane service can be used with any of the other welding grade liquid petroleum gases. NOT FOR USE WITH ACETYLENE.

152 SERIES - SINGLE STAGE REGULATORS

- Designed for medium-duty gas welding, cutting and heating applications
- Body and housing cap are machined from class "A" brass bar stock
- Self re-seating external safety pressure relief valve on oxygen models
- Stem type seat assembly for more reliable performance
- 2" gauges for easy reading
- 2" diaphragm
- UL listed

GENTEC® GENSTAR TECHNOLOGIES



Model No.	Mfg. No.	Gas Service	Max Inlet/Delivery Pressure (PSI)	Inlet Gauge	Outlet Gauge	Inlet Connection	Outlet Connection	Price /Each
331-3575	152X-80	Oxygen	3000/4-80	2", 4000 PSI	2", 100 PSI	CGA540	9/16"-18 RH (M)	
331-3585	152Y-15	Acetylene	400/2-15	2", 400 PSI	2", 30 PSI, RL	CGA510	9/16"-18 LH (M)	

153 SERIES - SINGLE STAGE REGULATORS

- Designed for heavy-duty gas welding, cutting and heating applications
- 2 1/2" gauges for easy reading
- 3 1/4" stainless steel diaphragm for accurate pressure delivery
- Delrin cap bushing for smooth adjustments
- Stem type seat assembly for more reliable performance
- Body and housing cap machined from class "A" brass bar stock
- Self re-seating external pressure relief valve on oxygen model
- Sintered bronze inlet filter
- UL listed

GENTEC® GENSTAR TECHNOLOGIES



Model No.	Mfg. No.	Gas Service	Max Inlet/Delivery Pressure (PSI)	Inlet Gauge	Outlet Gauge	Inlet Connection	Outlet Connection	Price /Each
331-3665	153X-125	Oxygen	3000/5-125	2 1/2", 4000 PSI	2 1/2", 200 PSI	CGA540	9/16"-18 RH (M)	
331-3675	153Y-15	Acetylene	400/2-15	2 1/2", 400 PSI	2 1/2", 30 PSI, RL	CGA510	9/16"-18 LH (M)	

452 SERIES - SINGLE STAGE REGULATORS

- Designed for medium to heavy-duty gas welding, cutting and heating applications; the "Horse" is a Harris® style regulator
- 2 3/4" diaphragm and a Victor® style seat mechanism • 2" gauges for easy reading
- Forged brass body • Chrome plated housing cap
- Self re-seating external pressure relief valve on oxygen, inert gases and carbon dioxide models
- Sintered bronze inlet filter • UL listed

GENTEC® GENSTAR TECHNOLOGIES



Model No.	Mfg. No.	Gas Service	Max Inlet/Delivery Pressure (PSI)	Inlet Gauge	Outlet Gauge	Inlet Connection	Outlet Connection	Price /Each
331-4385	452X-80	Oxygen	3000/4-80	2", 4000 PSI	2", 100 PSI	CGA540	9/16"-18 RH (M)	
331-4380	452X-175	Oxygen	3000/5-175	2", 4000 PSI	2", 300 PSI	CGA540	9/16"-18 RH (M)	
331-4395	452Y-15	Acetylene	400/2-15	2", 400 PSI	2", 30 PSI, RL	CGA510	9/16"-18 LH (M)	
TTT120	452C-175	Carbon Dioxide	3000/5-175	2", 4000 PSI	2", 300 PSI	CGA320	5/8"-18 RH (F)	
331-4285	452C-300	Carbon Dioxide	3000/20-300	2", 4000 PSI	2", 400 PSI	CGA320	5/8"-18 RH (F)	
TTT118	452IN-80	Inert Gases*	3000/4-80	2", 4000 PSI	2", 100 PSI	CGA580	5/8"-18 RH (F)	
331-4340	452IN-300	Inert Gases*	3000/20-300	2", 4000 PSI	2", 400 PSI	CGA580	5/8"-18 RH (F)	
804-1975	452IN-450	Inert Gases*	3000/30-450	2", 4000 PSI	2", 600 PSI	CGA580	5/8"-18 RH (F)	

*Argon, nitrogen, helium

153 SERIES – GAUGE PROTECTORS

- Durable metal construction
- Reduces potential damage to pressure gauges
- Easy to install and remove from regulators
- For use with Gentec® 153 Series regulators, interchangeable with other major brands

Note: Gauge protectors are not designed to replace or alleviate the need for proper cylinder storage systems. Cylinders should always be used and stored in conjunction with local and OSHA requirements.

GENTEC® GENSTAR TECHNOLOGIES

Model No.	Mfg. No.	Description	Price/Each
TTT893	GP31X	Oxygen Gauge Protector	
TTT894	GP31Y	Acetylene Gauge Protector	


TTT893


TTT894

190 SERIES - FLOW GAUGE REGULATORS

- "MIG METER" flow gauge regulators are designed for MIG and TIG applications
- 2" gauges for easy reading
- Accurate measurement of gas flow up to 50 SCFH
- Body machined from class "A" brass bar stock
- Chrome-plated housing cap
- Internal safety pressure relief design
- Plastic adjustment knob for smooth "easy touch" flow settings
- UL listed

GENTEC® GENSTAR TECHNOLOGIES



Model No.	Mfg. No.	Gas Service	Max Inlet/Delivery Pressure (PSI)	Inlet Gauge	Outlet Gauge	Inlet Connection	Outlet Connection	Price /Each
331-1540	190AR-50	Argon	0-50	2", 4000 PSI	2", 50 SCFH	CGA580	5/8"-18 RH (F), 0.32" Orifice	
331-1575	190CD-45	Carbon Dioxide	0-45	2", 4000 PSI	2", 50 SCFH	CGA320	5/8"-18 RH (F), 0.32" Orifice	

191 SERIES - FLOWMETER REGULATORS

- Designed for MIG and TIG applications
- Provides accurate regulation of gas flow
- Piston type construction
- Body machined from class "A" brass bar stock
- Polycarbonate flow tube and outer cover are impact resistant
- Conforms to CGA E-4 standard for gas pressure regulators

GENTEC® GENSTAR TECHNOLOGIES



Model No.	Mfg. No.	Gas Service	Flow Capacity (SCFH)	Inlet Gauge	Flowmeter (SCFH)	Inlet Connection	Outlet Connection	Price /Each
331-1610	191AR-60	Argon	50	1 1/2", 4000 PSI	60	CGA580	5/8"-18 RH (M)	
TTT131	191CD-60	Carbon Dioxide	50	1 1/2", 4000 PSI	60	CGA320	5/8"-18 RH (F)	
WITH 6-FOOT HOSE INCLUDED								
331-4150	191AR-60-6HSP	Argon	50	1 1/2", 4000 PSI	60	CGA580	5/8"-18 RH (M)	
331-3200	191CD-60-6HSP	Carbon Dioxide	50	1 1/2", 4000 PSI	60	CGA320	5/8"-18 RH (F)	

195 SERIES - "MIG MASTER" FLOWMETER REGULATORS

- Designed for MIG and TIG applications and provide accurate regulation of gas flow
- Provides reliable performance in commercial, industrial and lab applications
- Single stage construction
- 0-60 SCFH argon (Ar) flow, 0-150 SCFH helium (He) flow, 0-60 SCFH carbon dioxide (CO_2) flow
- Polycarbonate flow tube and outer cover are impact resistant for maximum durability and service life
- Flowmeter is backpressure compensated to ensure accurate readings when line restrictions are present
- 2" high-pressure gauge for easy reading
- Body machined from class "A" brass bar stock
- Chrome-plated housing cap
- Internal safety pressure relief design
- Sintered bronze inlet filter
- UL listed

GENTEC® GENSTAR TECHNOLOGIES



Model No.	Mfg. No.	Gas Service	Outlet Pressure Preset (PSI)	Inlet Gauge	Flowmeter (SCFH)	Inlet Connection	Outlet Connection	Price /Each
331-1638	195AR-60	Argon	50	2", 4000 PSI	60	CGA580	5/8"-18 RH (F)	
331-4166	195AR-60-680	Argon	50	2", 6000 PSI	60	CGA680	5/8"-18 RH (F)	
331-4175	195CD-60	Carbon Dioxide	50	2", 4000 PSI	60	CGA320	5/8"-18 RH (F)	

GAS WELDING OUTFITS & ACCESSORIES

195FM SERIES - FLOWMETERS

- Designed for accurate regulation of gas flow
- Backpressure compensated design insures accurate readings when line restrictions are present
- Polycarbonate flow tube is square shaped for easy reading
- Body machined from class "A" brass bar stock
- Easy adjustment brass knob for "fine-tune" flow settings
- UL listed



GENTEC® GENSTAR TECHNOLOGIES

Model No.	Mfg. No.	Gas Service	Max Inlet Preset (PSI)	Inlet Connection	Outlet Connection	Flowmeter Flow Range (SCFH)	Price /Each
331-4185	195FM	Argon, Carbon Dioxide	50	1/4" NPT(M)	5/8"-18 RH(F)	0-60 Ar	

198CD ELECTRICALLY HEATED REGULATORS/FLOWMETERS FOR CARBON DIOXIDE

- Designed for applications requiring extremely high gas flow rates
- Built-in, thermostatically-controlled electric heater keeps the carbon dioxide warm, allowing for continuous duty cycle without freezing
- 110 VAC/190 W heater is standard
- 0-60 SCFH flowmeter is backpressure compensated to ensure accurate reading when line restrictions are present
- Forged brass body and housing cap with sintered bronze inlet filter

Caution: Use this regulator only with non-siphoned standard carbon dioxide cylinders



GENTEC® GENSTAR TECHNOLOGIES

Model No.	Mfg. No.	Gas Service	Max Delivery Pressure (PSI)	Inlet Gauge	Flowmeter (SCFH)	Inlet Connection	Outlet Connection	Price /Each
331-4210	198CD-60	Carbon Dioxide	50 (Preset)	2", 4000 PSI	60	CGA320	5/8"-18 RH(F)	

4 IN 1 CUTTING ATTACHMENT

CIRCLES-STRAIGHT CUTS-BEVELS-REGULAR LINE CUTS

- Converts any standard torch into an accurate convenient multi-use tool
- Cut perfect circles up to 25" in diameter
- Make precision straight edge and end cuts
- Adjustable guide wheels provide a steady base making it easy to follow irregular patterns and odd cuts

Model No. TTV221
Price/Each $

weldcote metals



BRASS PRESSURE GAUGES

WELD-MATE

- Dual scale
- Lexan™ cover lens
- 1/4" NPT inlet

Model No.	Description	Price /Each
NT616	2" x 100 PSI	
NT617	2" x 200 PSI	
NT618	2" x 30 PSI – Red line	
NT619	2" x 400 PSI	
NT620	2" x 4000 PSI	
NT622	2 1/2" x 200 PSI	
NT623	2 1/2" x 30 PSI – Red line	
NT624	2 1/2" x 400 PSI	
NT625	2 1/2" x 4000 PSI	



STEEL PRESSURE GAUGES

GENTEC® GENSTAR TECHNOLOGIES

- Dual scale
- Lexan™ cover lens

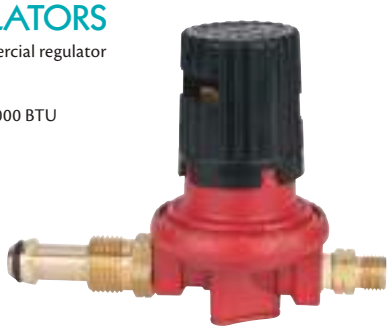
Model No.	Mfg. No.	Scale Ranges	Entry Type	Price /Each
1 1/2" STEEL CASE, 1/8" NPT INLET				
331-2980	G15-030RL	0-30 PSI – Red Line	Side	
331-2985	G15-100	0-100 PSI	Side	
331-2990	G15-400	0-400 PSI	Side	
331-2995	G15-4000	0-4000 PSI	Side	
331-2445	GR15-4000	0-4000 PSI	Rear	
2" STEEL CASE, 1/4" NPT INLET				
331-2405	G20-050CF	0-50 SCFH	Side	



PROPANE REGULATORS

- High pressure industrial/commercial regulator
- Vapour service with portable torches or construction heaters
- Rated for approximately 2 000 000 BTU
- Includes fittings: 0 – 60 PSIG
- **Hose sold separately**

Model No. TTV219
Price/Each $



PROPANE HOSES

- For use with propane regulator
- Quality flexible hose
- 350 PSI rating
- CGA approved

Model No.	Mfg. No.	Length'	Price /Each
722-1070	HP-6	6	
722-1010	HP-10	10	
722-1030	HP-20	20	
722-1040	HP-25	25	



SPIRAL TIP CLEANERS

- Cleaning data on back of case
- Hardened steel file included in each case
- Choice of standard or extra long king set
- Quality aluminum case
- Includes 12 cleaners



Model No.	Description	Price/Each
NT641	Standard Set	

TIP DRILL KITS

- Cleans cutting tips and a variety of other fuel orifices and injectors
- Includes 10 drills in sizes 52-74
- Promotes more effective fuel use and increases performance in welding, cutting and heating tips
- Drills store neatly in pipe vise handle

Model No. NT660
Price/Each $



WELD FILLET GAUGES

- Precision gauge
- Covers eleven sizes from 1/8", 3/16", 1/4", 5/16",3/8", 7/16", 1/2", 5/8", 3/4", 7/8" and 1"
- Constructed of rust proof 22 gauge, type 304 steel
- Die blanked to eliminate sharp edges - adds to accuracy
- Permanently etched and black filled lettering for long life and abrasion resistance

Model No. 704-5015
Mfg. No. MWFG
Price/Each $



TIP-NIP TIP REFACERS

- For easy, fast precision tip resurfacing
- Insert tip and give a few turns
- Pitted tip is resurfaced for new performance
- Extends tip life

Model No. NT820
Price/Each $



THREE-FLINT LIGHTERS

- Heavy-duty steel band with three flints attached
- Dependable ignition under all working conditions



322-1240

322-1320



Model No.	Mfg. No.	Description	Price/Each
322-1240	4501	Spark Lighter	
322-1320	5012X	Three-Flint Renewal, 4/Pkg.	

UNIVERSAL SINGLE FLINT LIGHTERS

- Square hood wrapped around the frame
- Under the hood is the round file which spins, always assuring a fresh spark
- Replaceable flints



322-1540

322-1560



Model No.	Mfg. No.	Description	Price/Each
322-1540	3001	Spark Lighter	
322-1560	3001X	Single Flint Renewal, 5/Holder	

FLINT LIGHTERS

- Choice of single or three-flint lighters
- Additional flints sold separately

NT642



TTU071





NT663



TTU072

Model No.	Description	Price/Each
NT642	Single Flint Lighter	
TTU432	Single Flint Lighter w/ 5 Flint Holders	
NT663	Flints, 5 per Holder	
TTU071	Three-Flint Lighter	
TTU072	Flints - Each	

10-WAY CYLINDER WRENCHES

- For regulators, torches and commercial acetylene cylinders
- Drop-forged, special alloy steel for maximum durability
- Baked powder coat finish

Model No. BZ944
Mfg. No. D1013
Price/Each $



TANK KEYS

- For B and MC acetylene valves, double ended

Model No. TTU322
Mfg. No. B-MC
Price/Each $



CUTTING TIP CHART

MATERIAL THICKNESS	1/8	1/4	1/2	3/4	1	1-1/2	2	4	5	6	8	10	12
RECOMMENDED AND TIP NUMBER / DRILL SIZE	00 / 68	0 / 60	1 / 56	1 / 56	2 / 54	2 / 54	3 / 52	3 / 49	4 / 44	6 / 38	6 / 31	7 / 28	8
OXYGEN PRESSURE SETTING LB/IN² g	20-25	25-30	30-35	30-35	35-40	40-45	40-45	40-50	45-55	45-55	45-55	45-55	45-55
ACETYLENE PRESSURE SETTING LB/IN² g	3-5	3-5	3-5	3-5	3-7	3-7	5-10	5-10	6-12	7-13	8-14	10-15	10-15
CUTTING IN / MIN	27-30	26-29	20-24	17-21	14-18	13-17	12-15	8-11	7-9	6-8	5-6	4-5	3-4

AIRCO® 144/ALC 802 STYLE CUTTING TIPS

- For general hand or machine cutting
- Acetylene-oxygen
- Medium preheat
- Fits Airco® 3790, 4690, 4700, 4800, 5700, 5800, 1100, 3000, 9000 and 9500 torches



Model No.	Size	Price/Each
TTU465	00	
TTU466	0	
TTU467	1	
TTU468	2	
TTU469	3	
TTU470	4	
328-1351	5	
328-1354	6	

AIRCO® 164/ALC 803 STYLE CUTTING TIPS

- For general, cast iron and stainless steel cutting
- Acetylene-oxygen
- Very high preheat
- Fits Airco® 3790, 4690, 4700, 4800, 5700, 5800, 1100, 3000, 9000 and 9500 torches



Model No.	Size	Price/Each
TTU471	00	
TTU358	0	
TTU359	1	
TTU360	2	
TTU361	3	
TTU362	4	
TTU472	5	
TTU473	6	
TTU474	7	
328-1468	8	

AIRCO® 261/ALC 829 STYLE CUTTING TIPS

- For general cutting, two-piece tip for hand cutting
- Propane or oxygen-natural gas
- High preheat
- Fits Airco® 2900, 3790, 4690, 4700, 4800, 5700, 5800, 1100, 3000, 9000 and 9500 torches



Model No.	Size	Price/Each
328-1681	00	
TTU475	0	
TTU476	1	
TTU477	2	
TTU478	3	
TTU479	4	
TTU480	5	
328-1702	6	
328-1705	7	
328-1708	8	

PUROX® 4202/ESAB STYLE CUTTING TIPS

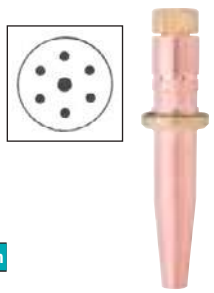
- For general cutting
- Acetylene-oxygen
- Medium preheat
- Fits CW-200, CW-202, CW-300 Type E torches and C-205 machine torch



Model No.	Size	Price/Each
TTU481	3	
TTU482	4	
TTU483	5	
TTU484	7	
TTU485	9	
328-3238	11	
328-3241	13	

SMITH® MC12 STYLE CUTTING TIPS

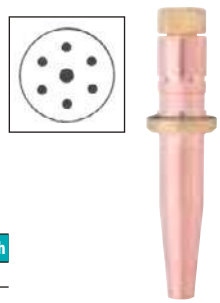
- For hand cutting with oxy-acetylene
- Medium preheat
- Fits Smith® cutting assemblies MC505, MC509, AC305, and AC309



Model No.	Size	Price/Each
TTU530	1	

SMITH® SC12 STYLE CUTTING TIPS

- For hand or machine cutting with oxy-acetylene
- Medium preheat
- Fits Smith® cutting attachments Silver Star and MC40
- Fits Smith® cutting torches Tuf Tony and Silver Star
- Fits Smith® machine torches SC770, SC771, SC780A, SC781A and SC782A



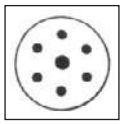
Model No.	Size	Price/Each
TTU531	1	

Manufacturers names are used descriptively only to identify products with which these Replacement Tips may be used. They have no relationship with other manufacturers listed.

WELD-MATE GOSS® PROFESSIONAL TORCH EQUIPMENT

HARRIS® 6290 STYLE CUTTING TIPS

- For general hand cutting
- Acetylene-oxygen
- Medium preheat
- Fits Harris® 42-3, 62-3, 72, 72A, 73, 73A and 85 torches

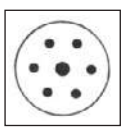




Model No.	Size	Price/Each
TTU458	000	
TTU459	00	
TTU349	0	
TTU350	1	
TTU351	2	
TTU352	3	
TTU460	4	
TTU461	5	
TTU462	6	

VICTOR® 1-101 STYLE CUTTING TIPS

- For general cutting
- Acetylene-oxygen
- Machine preheat for hand and machine cutting
- Fits 2460, CA 1060, ST, SST and 1400C machine torches

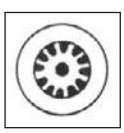




Model No.	Size	Price/Each
TTU441	000	
TTU333	00	
TTU334	0	
TTU335	1	
TTU336	2	
TTU337	3	
TTU338	4	
TTU339	5	
TTU442	6	
TTU443	7	
TTU444	8	

VICTOR® GPN STYLE CUTTING TIPS

- For general cutting
- Propane or oxygen-natural gas
- Medium preheat for hand and machine cutting
- Fits 2450, CA 1060, CAN 1060, ST, SST, STN and 1400C machine torches

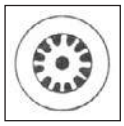




Model No.	Size	Price/Each
328-3826	000	
TTU452	00	
TTU344	0	
TTU345	1	
TTU346	2	
TTU347	3	
TTU348	4	
TTU453	5	
328-3850	6	
328-3853	7	
328-3856	8	

HARRIS® 6290-NX STYLE CUTTING TIPS

- For general hand cutting
- Propane or oxygen-natural gas
- Medium preheat
- Fits Harris® 42-3, 49AF, 49F, 62-3, 72, 73, 85 and 142 torches

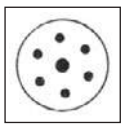




Model No.	Size	Price/Each
TTU463	000	
328-2125	00	
TTU353	0	
TTU354	1	
TTU355	2	
TTU356	3	
TTU357	4	
TTU464	5	
328-2146	6	

VICTOR® 3-101 STYLE CUTTING TIPS

- For general hand cutting
- Acetylene-oxygen
- Medium preheat
- Fits CA 1260, CA 1350, C 1450, CA 2060, CST 800 and C 1400 torches

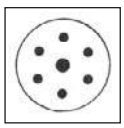




Model No.	Size	Price/Each
TTU448	000	
TTU449	00	
TTU340	0	
TTU341	1	
TTU342	2	
TTU343	3	
TTU450	4	
TTU451	5	

VICTOR® 1-118 STYLE CUTTING TIPS

- For gouging, scarfing and deseaming
- Acetylene-oxygen
- Fits 2460, CA 1060, ST, SST and 1400C torches





Model No.	Size	Price/Each
328-4015	0	
TTU445	2	
TTU446	4	
TTU447	6	
328-4027	8	

VICTOR® 3-GPN STYLE CUTTING TIPS

- For general cutting
- Propane or oxygen-natural gas
- Medium preheat series 3 tip
- Fits CA 1260, CA 1350, C 1450, CA 2060, CST 800 and C 1400 torches





Model No.	Size	Price/Each
TTU454	0	
TTU455	1	
TTU456	2	
TTU457	3	

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GAS WELDING OUTFITS & ACCESSORIES

HEATING TIPS

TIP DIAMETERS AS FOLLOWS:

No. 1 Tip - 11/16"
No. 2 Tip - 11/16"
No. 3 Tip - 13/16"
No. 4 Tip - 1 5/16"



GOSS® PROFESSIONAL TORCH EQUIPMENT

Model No.	Mfg. No.	Tip Size	Thread "	Price /Each
FOR USE WITH LP OR NATURAL GAS				
328-1015	221-1	1	1/2-25	
328-1018	221-2	2	1/2-25	
328-1021	221-3	3	1/2-25	
328-1024	221-4	4	1/2-25	
FOR USE WITH ACETYLENE GAS				
328-1072	231-1	1	1/2-25	
328-1075	231-2	2	1/2-25	
328-1078	231-3	3	1/2-25	

221



231



HEATING TIP ADAPTORS FOR CUTTING TORCHES

- For use with the designated cutting torches



Airco®



Harris®



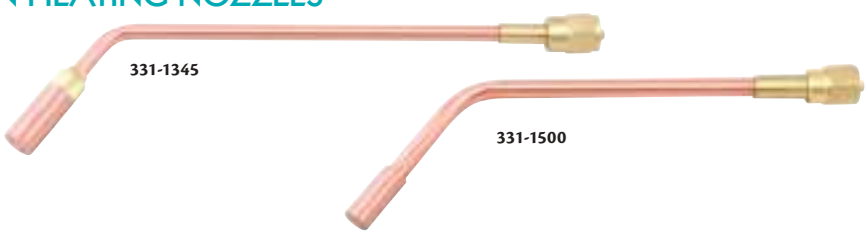
Victor®

GOSS® PROFESSIONAL TORCH EQUIPMENT

Model No.	Mfg. No	Seat Style	Thread"	Price/Each
328-1252	801-S	Airco® Air Products	1/2-25	
328-2305	1361-S	Harris® 6290	1/2-25	
328-3628	2301-S	Victor® 1 Series	1/2-25	

OXY-ACETYLENE & OXY-HYDROGEN HEATING NOZZLES

- Victor® compatible
- Ideal for preheating and straightening, etc.



GENTEC® GENSTAR TECHNOLOGIES

Model No.	Mfg. No.	Tip Size	Duty	Oxygen PSIG	Acetylene Fuel PSIG	Oxygen SCFH	Acetylene Fuel SCFH	Victor® Equivalent	Fits	Price /Each
TTU284	172H-2	2	Medium	4/8	4/8	3/10	3/9	2-MFA-1		
TTU285	172H-4	4	Medium	8/12	6/10	7/22	6/20	4-MFA-1	142T	
331-1345	172H-6	6	Medium	10/15	8/12	15/44	14/40	6-MFA-1		
331-1355	172H-8	8	Medium	20/30	10/15	33/88	30/80	8-MFA-1		
TTU286	173H-4	4	Heavy	8/12	6/10	7/22	6/20	4-MFA		
331-1495	173H-6	6	Heavy	10/15	8/12	15/44	14/40	6-MFA	143T/143TL/	
331-1500	173H-8	8	Heavy	20/30	10/15	33/88	30/80	8-MFA	143TLH	
TTU287	173H-10	10	Heavy	30/40	12/15	44/110	40/100	10-MFA		

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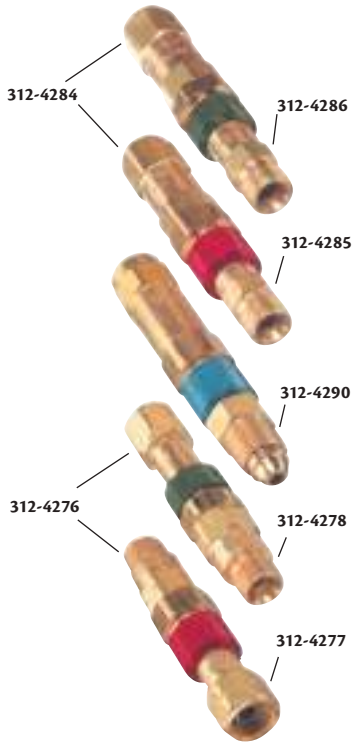


QUICK-CONNECTS FOR WELDING EQUIPMENT

Western's Quick-Connects provide fast, reliable and positive connections and quick disconnections for torches, hoses and regulators. All models are color-coded for gas service for added safety (oxygen/green, fuel gas/red, inert gas/blue). Oxy/fuel gas models include integral reverse flow Check Valves. Quick-Connects fit all B-size welding and cutting equipment.

FEATURES & SPECIFICATIONS:

- Brass construction provides long service life– cycle tested over 10 000 operations indicating a service life of 10 to 12 years of comparable use
- Non-interchangeable Oxygen and Fuel Gas connectors prevent accidental gas mixing
- Instant closure on reverse flow Check Valves with total shutoff at only 10 oz. of back pressure
- Exceed CGA flow specifications–1100 SCFH flow at 125 PSIG inlet pressure and 800 SCFH flow at 125 PSIG inlet pressure when 2 additional check valves are used in conjunction with the Quick-Connects
- Spring loaded locking mechanism responds to fingertip action and achieves a gas-tight connection
- For inert gas models, demand valve on supply side creates a positive seal when fitting is not connected
- Double seal socket connection on second seal provides added safety protection
- 200 PSIG maximum operating pressure



QUICK CONNECT SETS

Model No.	Mfg. No.	Description	Components	Price/Each
312-4276	QDB10	Torch-to-Hose Set w/Check Valves	QDB11–Fuel Gas/QDB12–Oxygen/Inert	
312-4280	QDB20	Hose-to-Hose Set w/Check Valves	QDB21–Fuel Gas/QDB22–Oxygen/Inert	
312-4284	QDB30	Regulator-to-Hose w/Check Valves	QDB31–Fuel Gas/QDB32–Oxygen	

QUICK-CONNECTS INDIVIDUAL UNITS

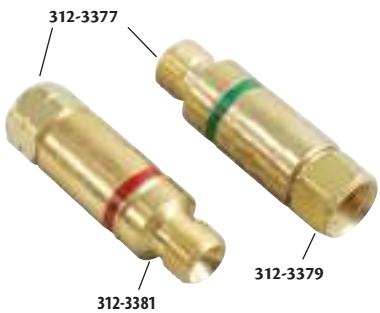
Model No.	Mfg. No.	Description	Components	Price/Each
TORCH-TO-HOSE				
312-4277	QDB11	Fuel Gas w/Check Valve	QDB200–Male Plug/QDB201–Female Socket	
312-4278	QDB12	Oxygen/Inert Gas w/Check Valve	QDB100– Male Plug/QDB101–Female Socket	
HOSE-TO-HOSE				
312-4281	QDB21	Fuel Gas w/Check Valve	QDB205–Male Plug/QDB201–Female Socket	
312-4282	QDB22	Oxygen/Inert Gas w/Check Valve	QDB105–Male Plug/QDB101–Female Socket	
REGULATOR-TO-HOSE				
312-4285	QDB31	Fuel Gas w/Check Valve	QDB205–Male Plug/QDB206–Female Socket	
312-4286	QDB32	Oxygen w/Check Valve	QDB105–Male Plug/QDB106–Female Socket	
312-4287	QDB33	Inert Gas–Regulator-to-Hose	QDB300–Male Plug/QDB301–Female Socket	
312-4290	QDB34	Inert Gas–Hose-to-Machine	QDB302–Male Plug/QDB303–Female Socket	

FLASHBACK ARRESTORS – OXY/FUEL GAS

Welders rely on Western's advanced Flashback Arrestors to help prevent serious incidents caused by reverse gas flows or flashbacks. Western's Flashback Arrestors are designed to stop flashbacks by preventing ignition of mixed gases and to protect equipment such as hoses, regulators and cylinders.

FEATURES & SPECIFICATIONS:

- Color-coded for gas service to provide added safety – oxygen (green), fuel gas (red)
- Internal check valves designed to prevent reverse flow and accidental mixing of oxygen and fuel gases
- Maximum operating pressures are 15 PSIG for acetylene, 22 PSIG for other fuel gases, and 125 PSIG for oxygen
- Rated capacity of 40 SCFH with a 5 PSIG pressure drop
- Torch and regulator models provide downstream and upstream protection
- 10" maximum cutting capacity
- Reusable; manual resetting not required
- UL listed and 100% tested



Model No.	Mfg. No.	Description	Components	Price/Each
312-3376	FA-10	Flashback Arrestor Set, Torch Style	FA-100P, FA-200P	
312-3377	FA-30	Flashback Arrestor Set, Regulator Adaptor Style	FA-130P, FA-230P	

FLASHBACK ARRESTORS INDIVIDUAL UNITS

Model No.	Mfg. No.	Description	Price/Each
312-3378	FA-100P	Flashback Arrestor, Oxygen, Torch Style	
312-3380	FA-200P	Flashback Arrestor, Fuel Gas, Torch Style	
312-3379	FA-130P	Flashback Arrestor, Oxygen, Regulator Adaptor Style	
312-3381	FA-230P	Flashback Arrestor, Fuel Gas, Regulator Adaptor Style	

VALVED Y-CONNECTIONS, BRASS

PRESSURES TO 200 PSIG (1400 KPA)

- For use of two cutting and/or two welding torches at once
- Precision shut off valves
- B-Size (9/16"-18 Thread)



Model No.	Mfg. No.	Description	Service	Price/Each
312-1572	111	Oxygen RH: B-Size F Inlet to B-Size M Outlets	CGA-022	
312-1584	112	Acetylene/F. Gases LH: B-Size F Inlet to B-Size M Outlets	CGA-023	
312-1852	411	Inert Gas RH: 5/8"-18 M Inlet to 5/8"-18 F Outlets	CGA-032	
312-1854	412	Water, Industrial Air LH: 5/8"-18 M Inlet to 5/8"-18 F Outlets	CGA-033	

GAS WELDING OUTFITS & ACCESSORIES

BULK SINGLE LINE CORRUGATED WELDING HOSES, GRADE R

- **Green hose** is for oxygen
- **Red hose** is for acetylene use only, and where cover must resist abrasion, weather and ozone
- Heat resistant EPDM tube and cover
- Two spiral polyester yarn reinforcement, more flexible than braid reinforced hose, easier to coil and handle
- Conforms to RMA/CGA specifications
- Multi-ventilating pores disperses permeating gases, enhances welder's safety
- Working pressure: 200 PSI, 1.38 MPa
- **Sold in full 700' reels, priced per foot**



HBD/Thermoid, Inc.

Model No.	Mfg. No.	Nominal I.D."	Nominal O.D."	Min. Bend Radius"	Price /Each
GREEN HOSES					
302-5005	00521803205	3/16	0.44	1.25	
302-5020	00521804205	1/4	0.53	1.50	
302-5070	00521806400	3/8	0.72	2.25	
RED HOSES					
302-5000	00521903205	3/16	0.44	1.25	
302-5015	00521904205	1/4	0.53	1.50	
302-5065	00521906400	3/8	0.72	2.25	

TULINE TWIN WELDING HOSE ASSEMBLIES

- Premium quality US made hose with "B" size brass fittings



HBD/Thermoid, Inc.

Model No.	Mfg. No.	Nominal I.D."	Length'	Price /Each
GRADE R HOSES				
PB087	00521403225	3/16	25	
PB090	00521484225	1/4	25	
PB091	00521484250	1/4	50	
PB092	00521484290	1/4	100	
PB094	00521405252	5/16	50	
PB095	00521405291	5/16	100	
302-1260	00521406251	3/8	50	
302-1270	00521406290	3/8	100	

Model No.	Mfg. No.	Nominal I.D."	Length'	Price /Each
GRADE T HOSES				
PB069	00521584225	1/4	25	
PB070	00521584250	1/4	50	
PB071	00521584290	1/4	100	
302-7170	00521586250	3/8	50	
302-7180	00521586290	3/8	100	

HOSE REPAIR KITS

- Special B-size kit offers 12 different items most frequently used for hose repair
- Kit with C-5 crimp tool for 3/16" x 1/4" I.D. hose
- Tough polyethylene case includes handy chart that identifies and describes fittings in each compartment
- **Includes:**
  Hose nuts & nipples
  Splicers
  Couplers
  Ferrules
  Crimping tool

Model No. NP497
Mfg. No. CK-24
Price/Each $



WESTERN ENTERPRISES

BULK TULINE TWIN WELDING HOSES, GRADE T

HBD/Thermoid, Inc.

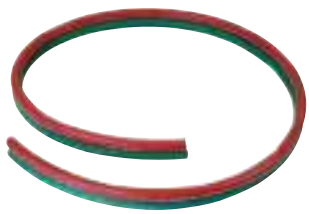
- For use with all fuel gases and where a flame and oil resistant tube and cover are required
- CR (polychloroprene) tube and cover offers medium-high fuel gas resistance
- Two spiral polyester yarn reinforcement, more flexible than braid reinforced hose, easier to coil and handle
- Conforms to RMA/CGA specifications
- Multi-ventilating pores disperses permeating gases, enhances welder's safety
- Working pressure: 200 PSI, 1.38 Mpa
- **Sold in full 700' reels, priced per foot**



Model No.	Mfg. No.	Nominal I.D."	Nominal O.D."	Min. Bend Radius"	Price /Each
302-7010	00521504200	1/4	0.53	1.50	

BULK TULINE TWIN WELDING HOSES, GRADE R

- **Red hose** is for acetylene use only, and where cover must resist abrasion, weather and ozone
- Heat resistant EPDM tube and cover
- Two spiral polyester yarn reinforcement, more flexible than braid reinforced hose, easier to coil and handle
- Conforms to RMA/CGA specifications
- Multi-ventilating pores disperses permeating gases, enhances welder's safety
- Working pressure: 200 PSI, 1.38 Mpa
- **Sold in full 700' reels, priced per foot**



HBD/Thermoid, Inc.

Model No.	Mfg No.	Nominal I.D."	Nominal O.D."	Min. Bend Radius"	Price/Each
302-1000	00521403200	3/16	0.44	1.25	
302-1010	00521404200	1/4	0.53	1.50	
302-1020	00521405200	5/16	0.59	2.00	
302-1030	00521406200	3/8	0.66	2.25	

MIG/TIG INERT GAS HOSES

- Working pressure: 300 PSI
- Connection: 5/8" - 18 RH(M)
- I.D.: 1.4"
- Length: 6'

GENTEC® GENSTAR TECHNOLOGIES



Model No.	Mfg. No.	Price/Each
TTU563	HA14-0061N	

EMERGENCY WELDING HOSE REPAIR KITS

- **Plastic kit box contains:**
  1 Standard jaw pincers
  6 Oxygen "B" RH brass nuts
  6 Acetylene "B" LH brass nuts
  6 1/4" brass nipples
  4 1/4" brass hose menders
  2 3/16" brass nipples
  2 3/16" brass hose menders
  10 1/2" 2-ear clamps
  40 9/16" 2-ear clamps
  4 9/16" twin clamps

Model No. NP512
Mfg. No. WK-82
Price/Each $



OETIKER® Connecting Technology

WELDING HOSE REELS

- Heavy-duty, reinforced steel stampings for increased strength
- 1/4" oxygen and acetylene twin hose
- Leakproof double O-ring seals
- Compact design allows reels to fit in tight locations
- Multi-position guide arms for multiple mounting options
- Kinkless, oil resistant high quality hose
- Spring rewind features long life spring with declutching arbor
- Grade R hose
- Durable, corrosion-resistant powder coat paint

aurora tools®



Model No.	Drive Type	Hose I.D."	Hose Length'	Max PSI	Oxygen Inlet & Outlet	Acetylene Inlet & Outlet	Dimensions W"	x	D"	x	H"	Wt lbs.	Price /Each
TLZ487	Spring	1/4	25	300	9/16" x 18 UNF (Female)	9/16" x 18 UNF (Female)	8	x	14 3/4	x	13 5/8	25.9	
TLZ488	Spring	1/4	50	300	9/16" x 18 UNF (Female)	9/16" x 18 UNF (Female)	8 5/8	x	20 1/2	x	20 1/2	42.2	

HOSE REELS

- Heavy-duty, reinforced steel stampings for increased strength
- For use with air and water
- Compact design allows reels to fit in tight locations
- Multi-position guide arms for multiple mounting options
- Kinkless, oil resistant high quality hose
- Spring rewind features long life spring with declutching arbor
- Durable, corrosion-resistant powder coat paint
- Good for air and water

aurora tools®



Model No.	Drive Type	Hose I.D."	Hose Length'	Max PSI	Hose Outlet (M) NPT"	Reel Inlet (F) NPT"	Dimensions W"	x	D"	x	H"	Wt lbs.	Price /Each
TLZ482	Spring	1/4	35	300	1/4	3/8	6	x	15 1/2	x	14	26.6	
TLZ483	Spring	3/8	25	300	1/4	3/8	6	x	15 1/8	x	13 7/8	26.2	
TLZ484	Spring	3/8	35	300	1/4	3/8	6 5/8	x	17 1/2	x	16 1/2	34.7	
TLZ485	Spring	3/8	50	300	1/4	3/8	6 1/2	x	20	x	18 3/8	40.3	
TLZ486	Spring	1/2	50	300	1/2	1/2	6 5/8	x	20 1/4	x	17 7/8	44.3	

ARC WELDING REELS

POWER OR MANUAL REWIND TO HANDLE #2 THROUGH 4/0 CABLE TO 400 AMPS

- 400-amp rated rotary electrical device
- Instant use with any cable length unwound
- For use with single conductor electrode cable or grounding lead
- Quick connection to your welder
- 4-way roller assembly
- Roller position must be specified

SWCR SERIES

- Non sparking ratchet assembly
- Declutching arbor is provided to prevent damage from reverse winding
- A cable stop should be used



WCR SERIES

- Gear driven crank rewind, chain and sprocket powered by an electric, hydraulic or compressed air motor
- Auxiliary rewind and pinion brake standard



Hannay Reels®
The reel leader.

Model No.	Mfg. No.	Cable Capacity of Reel' Gauge of Cable O.D."	#2 0.50	#1 0.58	1/0 0.62	2/0 0.67	3/0 0.72	4/0 0.81	Aprrox. Weight Net lbs.	Ship lbs.	Standard Roller Assembly	Price /Each
SWCR												
886-1130	SWCR716-23-24-15.5G		85	85	60	60	60	40	85	120	R204	
TTT563	SWCR716-25-26-15.5B		-	-	-	-	60	50	91	126	R204	
TTT564	SWCR716-25-26-15.5A		-	-	100	-	-	-	106	141	R205	
WCR												
886-1921	WCR16-19-21		-	275	200	200	150	150	71	106	-	
TTT565	WCR16-23-24		-	-	-	-	300	200	78	113	-	

GAS WELDING REELS

SPRING REWIND TO HANDLE TWIN 1/4" THROUGH 3/8" WELDING HOSE

- Heavy-duty spring motor
- Non sparking ratchet assembly
- Declutching arbor to prevent damage from reverse winding
- Standard inlets 90° ball bearing swivel joints 1/2" female NPT threads
- Standard outlets male 9/16"-18 threads right hand for oxygen, left hand for gas
- Pressures to 300 PSI (21 bar)
- Temperatures from -40°F to 200°F (-40°C to 93°C)
- Type of gas used MUST be specified
- 4-way roller assembly (roller position must be specified)
- Hose stop is required
- Hose sold separately

Hannay Reels®
The reel leader.



Shown with optional hose and hose stop in the optional "TR" position



Model No.	Mfg. No.	Hose Capacity of Reel' I.D." O.D."	1/4 0.53	3/8 0.66	Approx. Wt. Net lbs.	Ship lbs.	Standard Roller Assembly	Price /Each
TTV150	N416-17-18-8L		2/50	-	64	71	N204	
TTV151	N416-19-20-8L		-	2/50	68	75	N204	
TTT568	N416-19-20-10.5C		2/25	2/25	70	77	N204	
886-1060	N416-19-20-8J		2/50	2/50	74	83	N204	
TTT569	N416-23-24-10.5G		2/75	2/75	94	112	N204	
886-1080	N417-23-24-10.5G		2/100	2/100	95	115	N205	

Model No.	Mfg. No.	Description	Price /Each
886-1030	HS-3	Hose Stop	

GAS CYLINDER CABINETS

- Heavy-duty construction
- 2" x 2" 10-gauge formed steel angle posts
- 9-gauge wire mesh doors and walls for venting
- 14-gauge checker plate shelves and roof
- English and French warning labels included
- Padlock hasp for added security
- Innovative door design allows for left or right opening installation
- Easy assemble, knock-down feature saves on shipping costs

Note: Constructed to meet or exceed strict CSA International B149.2-0 Propane Storage and Handling Code. Cylinders must be stored vertically at all times.



SEB837



SEB838



SAF847


SAF848


SAF837

COMPRESSED GAS (9" DIAMETER CYLINDERS)

Model No.	Dimensions W"	x	D"	x	H"	Cylinder Capacity	Wt. lbs.	Price /Each
SAF837	44	x	30	x	74	10	210	
SAF848*	88	x	30	x	74	20	420	

*Consists of two units of the **SAF837**

LIQUID PROPANE (35-LB CYLINDERS)

Model No.	Dimensions W"	x	D"	x	H"	Cylinder Capacity	Wt. lbs.	Price /Each
SEB837*	30	x	17	x	37	2	70	
SEB838*	17	x	17	x	69	2	85	
SAF836	44	x	30	x	37	6	135	
SAF847	44	x	30	x	74	12	270	

*All-welded, fully assembled

ALUMINUM LPG CYLINDER LOCKER STORAGE

- Constructed of 100% welded aluminum, they won't rust, corrode or discolor
- Aluminum, expanded metal panels are the heaviest in the industry – 20% heavier than others – offering additional resistance to tampering
- Heavier gauge aluminum mesh and extruded (not bent) frame add rigidity
- Justrite® offers an exclusive solid aluminum roof panel that slants to the back to shed water and ice

Aluminum cylinder storage lockers are ideal for any facility using a forklift truck or welding equipment.

Sloped roof design sheds water and ice to the rear. Solid top reinforces stability.

Comes complete with warning and full/empty cylinder labels. Extruded framework provides superior strength.



Heavy expanded aluminum for improved security. All-welded aluminum construction resists abusive outdoor elements – won't rust or discolor.

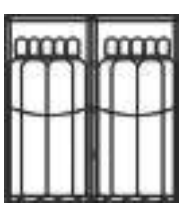
Easy to use rack positions cylinders securely and stores 20 and 33-lb. cylinders.

Designed to accept padlock (not included) to prevent unauthorized access.

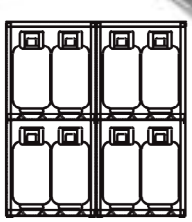
Cylinders stay clear of ground with strong floor plate.

Pre-drilled hole at each corner for anchoring. Accepts 1/2"anchor maximum security and stability.

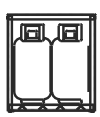
Complies with NFPA 58 and OSHA 1910.110 or CSA-B149.2.


SAI577


SAI576


SAI575


SAI574


SAI573

JUSTRITE®

Model No.	Mfg. No.	Description	Cylinder Type	Capacity	Dimensions W"	x	H"	x	D"	Wt. lbs.	Price /Each
SAI573	23009	4-Cylinder Vertical	LPG	4 - 20 or 33-lb cylinders	30	x	33 1/2	x	32	79	
SAI574	23010	8-Cylinder Vertical	LPG	8 - 20 or 33-lb cylinders	30	x	65	x	32	114	
SAI575	23011	16-Cylinder Vertical	LPG	16 - 20 or 33-lb cylinders	60	x	65	x	32	211	
SAI576	23006	10-Cylinder Vertical	Compressed Gas	Up to 10 comp. gas cylinders	30	x	65	x	32	102	
SAI577	23007	20-Cylinder Vertical	Compressed Gas	Up to 20 comp. gas cylinders	60	x	65	x	32	187	

GAS CYLINDER CARTS

- Choice of carts for a wide range of cylinder sizes and terrains











Model No.	Base W" x D"	Wheel Type	Capacity	Weight lbs.	Price /Each
ML413	25 x 13	16" Dia. pneumatic	244 cu.ft. oxygen, 300 cu.ft.acetylene cylinders	55	
ML414	12 x 10	10" Dia. semi-pneumatic	300 cu.ft. 9" Dia. cylinder	22	
ML415	25 x 13	14" Dia. x 3" rubber	244 cu.ft. oxygen, 300 cu.ft. acetylene cylinders	55	
ML416	12 x 16	10" Dia. semi-pneumatic	144 cu.ft. or 244 cu.ft. oxygen, 130 cu.ft. acetylene cylinders	27	
ML417	19 x 10	10" Dia. semi-pneumatic	144 cu.ft. or 244 cu.ft. oxygen, 130 cu.ft. acetylene cylinders	30	

MINI-MIG WELDING CARTS

MM-8 Series Cylinder Cart

- Designed to carry a variety of Mini-MIG, Inverters, and Plasma machines
- Dimensions: 18" W x 36" D x 17" H
- Weight: 48 lbs
- Cylinder capacity: 9 1/2"

Model No. ML419
Price/Each $

KLETON



DUAL-CYLINDER DOLLIES

- Accommodates cylinders up to 12" in diameter, including a class 300 SCF industrial gas cylinder and a no. 5 acetylene cylinder
- Composite construction withstands extreme weather conditions
- Tough 16.5" diameter pneumatic wheels gives maneuverability on rough terrain
- 36" built-in tray holds tools, valves and torches
- Powder coat finish steel tool/supplies tray
- Handle offers maximum stability allowing for wrapping of hose equipment
- Rust, corrosion and spark resistant
- Will not dent, chip or scratch paint from cylinders
- Dimensions: 36.88" L x 23.5" W x 45" H
- Weight: 57 lbs.
- Load capacity: 500 lbs.

Model No. SAP856
Mfg. No. 7302-BK
Price/Each $

ENPAC



PROFESSIONAL GAS CYLINDER TRUCKS

- Safety chain helps secure load
- 3 positions: 2 wheel, 4 wheel tilt and 4 wheel storage
- Easy conversion between all 3 modes using spring loaded position lock mechanism
- 8" mold-on rubber wheels, 3" swivel casters
- Holds cylinders up to 9 1/4" diameter
- Cart Material: Steel
- Ships knocked-down and boxed

MO344



MO345

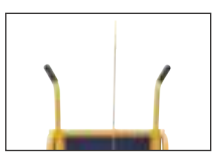


WESCO

Model No.	Mfg. No.	No. of Cylinders	Base Dimensions W" x L"	Overall Dimensions W" x D" x H"	Capacity lbs.	Price /Each
M0344	210123	1	9 x 7-1/4	19 x17-1/2 x41-3/4	250	
M0345	210124	2	16-7/8 x 7-1/4	29 x18-1/2 x42-1/4	500	

WELDING CYLINDER TORCH CARTS

- Designed for transporting cylinders and cutting torch
- Includes two tank compartments with heavy-duty ratchet straps
- Brackets are included for holding cutting torch and hose
- Convenient open-top storage tray included
- Includes lockable storage box for regulators
- Fork pockets included for easy transportation
- Not designed for use as a storage means for gas cylinders
- Cart Material: Steel







Vestil We've Got It!

Model No.	Mfg. No.	Base Dimensions W" x L"	Overall Dimensions W" x D" x H"	Price /Each
TTV168	CYL-2	24 x 19	27-1/4 x 47-1/2 x 48	

GAS CYLINDER POLY-STANDS

- Free-standing design maximizes floor space
- Made of polyethylene resisting sparking, rust and corrosion
- Prevents accidental tipping with durable nylon straps to keep cylinders and stand secure
- Ideal for inexpensive wall-mounted storage
- Accommodates two cylinders 3" to 12 3/8" diameter
- Dimensions: 28" W x 14" D x 30" H
- Handling capacity of 400 lbs.
- Weight: 14 lbs.
- Colour: Yellow
- OSHA 29 CFR.1910 approved

Model No. SE966
Mfg. No. 7212-YE
Price/Each $



GAS CYLINDER BRACKETS

- Brackets are constructed of epoxy powder coated 11-gauge hot rolled steel
- Edges are protected with steel reinforced vinyl guarding to maintain cylinders and provide extra grip
- Support straps are 54" L x 1.5" W polypropylene with steel cinch buckle; strength rated at 1200 PSI
- Wall mount brackets support 4" to 12" diameter cylinders

SB860



SB863



SB864



Model No.	Mfg. No.	Description	Dimensions W"	x	D"	x	H"	Wt. lbs.	Price /Each
SB860	G-100	Single Cylinder Wall Bracket, Grey	8	x	2 1/4	x	4 1/4	3	
SB863	G-200	Double Cylinder Wall Bracket, Grey	23 3/4	x	2 1/4	x	4 1/4	9	
SB864	G-300	Triple Cylinder Wall Bracket,	35 3/4	x	2 1/4	x	4 1/4	11	

6-PACK CYLINDER RACKS

- Maximizes floor space
- Will not rust or corrode
- Suited for outdoor storage
- Forkliftable, crane liftable or optional black caster frame for mobility to go anywhere
- Sturdy retaining straps assure stable storage
- Optional black accessory strap can be added to bottom for extra security
- Molded-in cap holders to keep cylinder caps at hand
- Cylinder rack has a loading capacity of 1200 lbs.
- Optional black rack ramp attaches for easy manoeuvering of cylinders
- Handling capacity of 1000 lbs.
- Handles 3" to 10" diameter cylinders
- OSHA 29 CFR.1910 approved

SE970



SE967

Model No.	Mfg No.	Description	Dimensions L"	x	W"	x	H"	Wt. lbs.	Price /Each
SE967	7202-YE	Cylinder Rack	48	x	31	x	41	62	
SE968	7204-BK	Caster Frame	33 1/2	x	31 1/2	x	4 1/2	50	
SE969	7205-BK	Bottom Straps			-			1	
SE970	7203-BK	Rack Ramp	46	x	20	x	6	21	

UNIVERSAL MODULAR CYLINDER BRACKETS

- Design your own configuration
- Units link together to customize the amount of cylinders needed
- Attaches to any wall securely and easily
- Yellow polyethylene
- Accommodates 3" to 10" diameter cylinders
- Straps included
- Dimensions: 15.3" W x 3.3" D x 6.3" H
- Weight: 1 lbs.
- OSHA 29 CFR.1910 approved
- **Sold individually**

Model No. SED115
Mfg. No. 7216-YE
Price/Each $



HYDRAULIC LARGE LIQUID GAS CYLINDER CARTS

- Foot operated hydraulic pump
- Overall lift height 71.25" & 71" to top of lifting hook
- Overall lowered height 66.25" & 54" to top of lifting hook
- Rear total lock caster (swivel and turn) for secure loading and unloading
- 8" polyurethane tread, non marking crowned swivel casters with rolling and swivel lock
- 10" polyurethane tread wheels
- Cart Material: Steel
- Overall Dim.: 29-3/4" W x 44-3/4" D x 66-1/4" H

MO347



Model No.	Mfg. No.	Brake Option	Base Dimensions W"	x	D"	Capacity lbs.	Price /Each
M0347	240250	Not Included	20	x	20	1000	
M0348	240251	Included	20	x	20	1000	

LARGE LIQUID GAS CYLINDER TRUCKS

- Easy transport of 20" large liquid gas cylinders
- Low profile design eases cylinder loading
- Provides great manoeuvrability in confined spaces
- 8" polyurethane tread, non-marking crowned swivel casters with rolling and swivel lock
- 10" polyurethane tread main wheels
- Heavy duty structural steel and schedule 40 pipe frame
- Quick connecting chain to secure load
- Cart Material: Steel
- Overall Dim.: 30" W x 31" D x 48-5/8" H



Model No.	Mfg. No.	Base Dimensions W"	x	D"	Capacity lbs.	Price /Each
M0346	210131	20	x	20	1000	

PYROPEN®

Weller®

- Ideal for service jobs in out of the way or confined space areas
- No batteries or electricity required
- Lightweight and easy to carry around
- Butane gas operated, will operate for up to three hours on one filling, and are ready to solder within 30 seconds
- Adjustable temperature controlled by varying gas flow
- Benefits for the outdoor servicing of electronics, radio and telecommunications
- Inactive hot air, ideal for shrink tubing, soldering and desoldering of SMD's

PYROPEN® SOLDERING KIT

- Metal carrying case complete with 3.3 mm soldering tip plus a 5.7 mm hot air tip, torch ejector, spanner, tool support clip, cleaning sponge and operating manual (fuel not included)
- Brazing torch feature offers more flexibility
- Interchangeable soldering tip and torch ejector

Model No. BW160
Mfg No. WSTA3
Price/Each $



SELF-IGNITING PYROPEN®

- Fitted with tapered needle tip plus hot air nozzle
- Protective plastic cap and operation manual (fuel not included)
- Instant push button self ignition idealfor single-handed operation

Model No. BW161
Mfg No. WPA2
Price/Each $



REPLACEMENT TIPS

Model No.	Mfg. No.	Description	Price /Each
BW165	WPT1	Taper Needle	
BW166	WPT2	2.0 mm Chisel	
BW169	WPT5	Taper Needle	
BW172	WPT8	2.0 mm 35° Spade	
BW175	WPT11	8.0 mm High Powered Chisel	
BW177	WPT13	5.0 mm High Powered Long Taper Chisel	

PRO SERIES HIGH PERFORMANCE SOLDERING IRONS

- Super-fast heat-up! Heats up to 900°F working temperature in just 35 seconds
- Patented design provides performance that exceeds a 60-watt iron
- Red power-on LED changes to green when iron reaches working temperature
- LED work light illuminates working surface in low-light conditions
- Co-molded grip for a comfortable feel
- Tool is designed to be self-standing, no stand is needed
- Iron uses a phono jack style plug in tip for rapid exchange
- Ideal for hobbies, kits, radios, electrical and electronics

Model No. TTU438
Mfg No. WPS18MP
Price/Each $

Weller®



REPLACEMENT TIPS

Model No.	Mfg. No.	Description	Price /Each
TTU439	WPS10	Conical Tip, 0.3125"	
TTU440	WPS11	Chisel Tip, 0.125"	

PORTASOL® ECONOMICAL BUTANE SOLDERING IRONS

Weller®

- Self-igniting portable butane heat tool can solder, cut rope, and perform other open flame operations
- Allows anti-static soldering, ideal for electronics, avionics, cellular communications, alarm systems, marine and automotive
- Rugged stainless steel body
- Up to 125 W of power
- Fully adjustable up to 1076°F (580°C)
- Runs up to two hours on single refill
- Fuel level is clearly visible through a window on the body of the tool for quick filling
- Auto switch safety shut-off, iron plated tips
- Built-in filter reduces chance of problems caused by contaminated fuel
- **BW163** kit includes the iron, sponge, stand, and extra tips in a blow molded box



BW200

Model No.	Mfg. No.	Description	Price/Each
BW200	PSI100C	Portasol® Soldering Tool	
BW163*	PSI100K	Portasol® Soldering Tool Kit	

* Comes with **BW193** 2.4 mm double flat tip, **BW196** hot blower, **BW195** 4.8 mm double flat tip, **BW197** hot knife, cleaning sponge, storage case (fuel not included).

REPLACEMENT TIPS



BW188 BW189 BW190 BW191 BW192 BW193 BW194 BW195 BW196 BW197

Model No.	Mfg. No.	Description	Price /Each
BW188	PSI1	1.0 mm Single Flat	
BW189	PSI2	2.4 mm Single Flat	
BW190	PSI3	3.2 mm Single Flat	
BW191	PSI4	4.8 mm Single Flat	
BW192	PSI5	1.0 mm Double Flat	
BW193	PSI6	2.4 mm Double Flat	
BW194	PSI7	3.2 mm Double Flat	
BW195	PSI8	4.8 mm Double Flat	
BW196	PSI9	Hot Blower Tip	
BW197	PSI10	Hot Knife Tip	

Note: Temperature range for tips is up to 850°F (450°C).

PREMIUM BUTANE

- Recommended for users of butane soldering tools
- Filtered to a much higher degree that standard butane, will extend tool life by preventing gumming up of butane soldering tool orifices
- 60-g canister

Model No. BW164
Mfg No. WB1C
Price/Each $

Weller®





SOLDERING TOOLS & ACCESSORIES

PROFESSIONAL SOLDERING GUNS

- Fingertip trigger to select high or low output
- Twin lights to illuminate work
- Tin-plated copper tip for high efficiency
- Ready to use in 6 seconds



KITS

TW149 and **TW151** includes: Carrying case, soldering gun, 1 soldering tip, and 1 coil of lead free solder

GUNS & KITS

Model No.	Mfg. No.	Description	Watts	Price /Each
TW148	D550	Professional Soldering Gun	260/200	
TW149	D550PK	Professional Soldering Gun Kit	260/200	
TW150	D650	Professional Soldering Gun	300/200	
TW151	D650PK	Professional Soldering Gun Kit	300/200	

Weller®

REPLACEMENT SOLDERING GUN TIPS

Weller® tips are made of copper and are compatible with Weller® soldering guns. Available in cutting, smoothing and standard tips.



Cutting



Smoothing



Standard

Model No.	Mfg. No.	Description	Price /Each
PROFESSIONAL			
TW153	6150	Cutting Tip Only	
TW154	6140	Smoothing Tip w/Hex Nut	
INDUSTRIAL			
TW155	6160	Smoothing Tip Only	
TW156	7250	Standard Tip Only, 2/Pkg.	
TW157	7250N	Standard Tip w/Hex Nut	

HIGH PERFORMANCE LED SOLDERING IRONS

- Three LED lights help illuminate the work area
- Round co-molded soft grip handle design for easy tip positioning
- Triangular handle area for maximum tip control
- Ceramic insulated stainless steel encased heater construction
- Excellent quality consumer iron 8 1/4" long
- Cord length: 5'
- Tip and iron stand included
- **TTV156** and **TTV158** include lead-free solder and soldering aid tool
- cUL listed



TTV155



TTV157



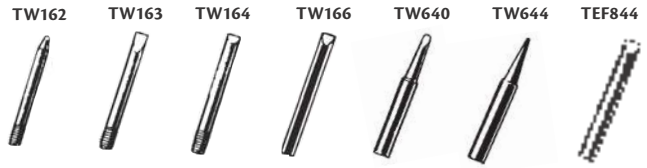
TTV159

Model No.	Mfg. No.	Description	Volts	Watts	Temp °F/°C	Standard Tip	Price /Each
TTV155	SP25NCN	Standard Duty	120	25	750/400	TW162	
TTV156	SP25NKCN	Standard Duty - Kit	120	25	750/400	TW162, TW163, TW164	
TTV157	SP40NCN	Medium Duty	120	40	900/482	TW166	
TTV158	SP40NKCN	Medium Duty - Kit	120	40	900/482	TW166, TW640, TW644	
TTV159	SP80NCN	Heavy Duty	120	80	900/482	TEF844	

Weller®

TIPS

Replacement tips are nickel-plated copper or iron-plated copper for heavy-duty irons.



Model No.	Mfg. No.	Description	Tips	Use With Iron No.	Tip Size"	Price /Each
TW162	MT1	Cone Shaped Tip, 2/Pkg.	Nickel Plated	TTV155, TTV156	1/8	
TW163	MT2	Screwdriver Tip, 2/Pkg.	Nickel Plated	TTV155, TTV156	1/8	
TW164	MT3	Chisel Tip, 2/Pkg.	Nickel Plated	TTV156	1/8	
TW166	MT10	Chisel Tip, 2/Pkg.	Nickel Plated	TTV157, TTV158	1/4	
TW640	ST3	Screwdriver Tip	Iron, Nickel, Chromium Plated	TTV158	1/8	
TW644	ST7	Conical Tip	Iron, Nickel, Chromium Plated	TTV158	0.031	
TEF844	MTG20	Chisel Tip	Iron Plated	TTV159	3/8	

PROFESSIONAL SOLDERING IRONS

IDEAL FOR A WIDE VARIETY OF ELECTRONICS TASKS

- Interchangeable heater elements with quick change collar
- Lightweight handle with cushion grip
- Use ST Series tips only



Model No.	Mfg. No.	Description	Volts	Watts	Hz	Price /Each
TW633	WP25	Soldering Iron w/TW640 Tip	120	25	50/60	
TW634	WP35	Soldering Iron w/TW640 Tip	120	35	50/60	

Weller®

ST SERIES TIPS

Solid copper, plated with iron, nickel and chromium.
Precision ground tips provide maximum heat transfer from heater to tip.



Model No.	Mfg. No.	Description	Tip Size"	Reach"	Price /Each
TW638	ST1	Screwdriver Tip	0.062	0.75	
TW639	ST2	Screwdriver Tip	0.093	0.75	
TW640	ST3	Screwdriver Tip	1/8	0.75	
TW641	ST4	Screwdriver Tip	0.187	0.75	
TW642	ST5	Single Flat Tip	0.031	0.75	
TW643	ST6	Screwdriver Tip	0.031	0.75	
TW644	ST7	Conical Tip	0.031	0.75	
TW645	ST8	Narrow Screwdriver Tip	0.062	0.75	

WTCPT TEMPERATURE CONTROLLED SOLDERING STATIONS

Weller®

Suitable for production, rework and repair of through hole and SMT boards, some ground planes and multi-layer boards. Repetitive soldering at a consistent temperature.

- A ferromagnetic temperature sensor in the tip controls tip temperature - no adjustments are necessary
- A lighted rocker switch indicates on/off status
- Quick disconnect plug for soldering iron allows fast iron change
- Power unit features impact resistant plastic for durability
- ESD safe to protect sensitive components

Model No. BW009
Mfg No. WTCPT
Price/Each $

PENCIL
Model No. BW010
Mfg. No. TC201T
Price/Each $

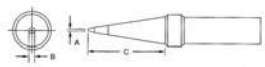


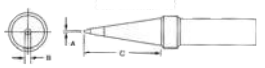
PT SERIES TIPS FOR BW010 SOLDERING PENCIL

Model No.	Mfg. No.	A"	B"	C"	Price /Each
SCREWDRIVER - 700°F					
BW035	PTA7	0.062	0.032	0.62	
BW037	PTB7	0.093	0.020	0.62	
BW039	PTC7	0.125	0.027	0.62	
BW041	PTD7	0.187	0.035	0.62	
LONG SCREWDRIVER - 700°F					
BW046	PTJ7	0.031	0.012	1.00	
BW047	PTK7	0.046	0.026	1.00	
CONICAL - 700°F					
BW052	PTP7	0.031	0.012	0.62	
LONG CONICAL - 700°F					
BW051	PT07	0.031	0.044	1.00	


Screwdriver


Long Screwdriver


Conical


Long Conical

WES51 ANALOG SOLDERING STATIONS

- Station automatically powers down after 90 minutes of inactivity to prolong tip life and save power
- Improved plug on the **TEF891** iron and new receptacle on the power unit for easier iron replacement
- Designed for continuous production soldering
- Slim, comfortable pencil reduces operator fatigue

Model No. TEG036
Mfg No. WES51
Price/Each $

PENCIL
Model No. TEF891
Mfg. No. PES51
Price/Each $



Weller®

WESD51 DIGITAL SOLDERING STATIONS

- Microprocessor controlled with digital LED display allows you to read temperature setting and actual tip temperature
- Can switch between °F and °C

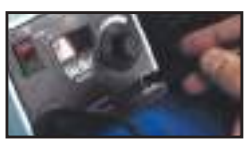
Model No. TEG038
Mfg No. WESD51
Price/Each $

PENCIL
Model No. TEF891
Mfg. No. PES51
Price/Each $



Weller®

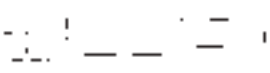
Wireless temperature lockout gives you control over the process



ET SERIES TIPS FOR TEF891 SOLDERING PENCIL

Model No.	Mfg No.	A"	B"	C"	Price/Each
SCREWDRIVER					
BW087	ETA	0.062	0.032	0.625	
BW088	ETB	0.093	0.020	0.625	
BW089	ETC	0.125	0.027	0.625	
CONICAL					
BW092	ETP	0.031	0.012	0.625	
LONG CONICAL					
BW100	ETO	0.031	0.044	1.000	
BW101	ETS	0.015	0.000	1.000	


Screwdriver


Conical


Long Conical

WD1002 DIGITAL SILVER SERIES SOLDERING STATIONS

HIGH PERFORMANCE SOLDERING STATION

- Features a powerful 95-watt soldering iron that is ideal in the most demanding soldering applications including high volume production soldering or high mass soldering and especially lead free soldering
- Fast temperature recovery allows to safely and efficiently solder lead free components and greatly contribute to increased productivity in traditional lead based soldering applications
- Base station features three user programmable "radio buttons" that allow to instantly switch to another temperature
- LCD screen gives the operator all important information at a glance providing an extensiveuser friendly menu for the operator to custom set the station to his own needs
- Programmable features include set back temperature to conserve tip life, auto shut off, temperature lockout, switching between degrees Fahrenheit or Celsius and more
- A comfortable four-position ergonomic iron stand allows you to store three optional tips for different soldering applications
- Iron comes with the **TEF746** chisel tip (0.063")
- Additional tips available

SUPERIOR LEAD FREE PERFORMANCE

Model No. TTU437
Mfg No. WD1002
Price/Each $

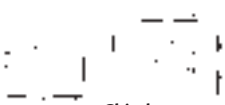
PENCIL
Model No. BW119
Mfg. No. WP80
Price/Each $

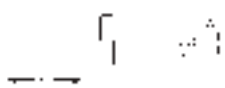
Weller®



LT SERIES TIPS FOR BW119 SOLDERING PENCIL

Model No.	Mfg. No.	A"	B"	C"	Price /Each
CHISEL					
TEF746	LTA	0.063	0.028	0.380	
TEF754	LTH	0.031	0.016	0.430	
TEF755	LTK	0.047	0.016	0.730	
ROUND					
TEF738	LT1	0.010	-	0.430	
TEF739	LT1L	0.008	-	0.980	


Chisel


Round

SOLDERING TOOLS & ACCESSORIES

OXYGEN/MAP-PRO™ GAS BRAZING/ WELDING/CUTTING TORCH KITS

- Uses oxygen and propane or propylene gas

Includes: Burner wand, Hose, Oxygen regulator, Fuel gas valve, Cylinder stand
TTU687 14.1-oz. MAP-Pro™ gas cylinder
TTU688 1.40-oz. oxygen cylinder
Spark lighter
5 brazing/welding rods

Model No. TTU689
Price/Each $

BERNZOMATIC



PENCIL FLAME TORCH KITS

- Solid brass construction
- General purpose utility flame
- Needle valve control and filtered orifice

Includes:
BV769 torch head
TTU686 14.1-oz. propane cylinder

Model No. TTU690
Price/Each $

BERNZOMATIC



TRIGGER START TORCH KITS

- Comfortable, easy grip
- Self igniting quick-start trigger
- Uses propane gas
- Solid brass burn tip for easy repairs
- Pressure regulated to burn upside down

Includes:
TTV240 torch head
TTU686 14.1-oz propane cylinder

Model No. TTU691
Price/Each $

BERNZOMATIC



TRIGGER START CAST ALUMINUM MAP-PRO™ GAS TORCH KITS

- Regulated for cold weather use
- Includes stainless steel burn tubes
- Compatible with both propylene and propane gases

Includes:
BV756 torch head
TTU687 14.1-oz. MAP-Pro™ gas cylinder

Model No. TTU692
Price/Each $

BERNZOMATIC



2-PIECE SELF-IGNITING TORCH KITS

- For small, soft soldering jobs
- Adjustable flame control knob to be used with Propane fuel

Includes:
TTV154 Self-igniting torch
TTU686 14.1-oz propane cylinder.

Model No. TTV153
Price/Each $

BERNZOMATIC



SPARK IGNITING MICRO TORCHES

- Precision light soldering, polyfoam cutting and heating
- Ideal for electronic repair
- Refillable, uses butane fuel
- Burns for 80 hours
- Includes electrical soldering tip

Model No. TTU299
Price/Each $

BERNZOMATIC



TRIGGER START SWIVEL HEAD TORCHES

Specially designed for convenience and accessibility.

- Solid brass regulator provides greater durability
- 360° swiveling torch head provides versatility and accessibility to tight and awkward work spaces
- Slim, one-handed trigger start eliminates the need for external ignition sources
- Double O-ring connection helps prevent gas leaks
- Uses propylene gas

Model No. WN963
Price/Each $

BERNZOMATIC



FUELS

14.1-OZ. PROPANE CYLINDER
Use with torches and most portable appliances requiring propane.
Model No. TTU686 Price/Each $

14.1-OZ. MAP-PRO™ GAS CYLINDER
Propylene gas burns hotter than propane. Use only with torches and appliances specifying "for use with propylene".
Model No. TTU687 Price/Each $

1.4-OZ. DISPOSABLE OXYGEN CYLINDER
Use with propylene gas for hottest brazing performance and light cutting/welding.
Model No. TTU688 Price/Each $

5.5-OZ. DISPOSABLE BUTANE CYLINDER
Use with refillable butane torches.
Model No. TTU636 Price/Each $

BERNZOMATIC



TTU686 TTU687 TTU688 TTU636

SHORTSTUB™ ELECTRODE HOLDERS

- Grip the electrode closer to the end
- Allows you to use 20% more of the electrode than with standard tong holders
- Manufactured from copper alloy for maximum conductivity and strength
- Fibreglass insulators are designed to withstand intense heat and impact
- Will not burn, break or carbon char
- Electrode capacity: 3/32" (2 mm) - 3/16" (5 mm)



Model No.	Amps	Description	Price /Each
NT629	400	Electrode Holder w/Neck Ring	
NT631	600	Electrode Holder w/Neck Ring	
NT630	400	Slimline – Bernard® Style Holder	
NT818	-	Replacement Head for 400 Amps Electrode Holder	
TTV098	-	Replacement Head for 600 Amps Electrode Holder	

BERNARD® SHORTSTUB™ ELECTRODE HOLDERS

- Electrode can be used to within one inch of Shortstub™ head
- Built to last with a proven high impact, high heat separate head
- 2000-lb. gripping pressure
- Better visibility, greater hand-to-arc distance



Model No.	Mfg. No.	Amps	Electrode Capacity"	Price /Each
360-9001	40S	400	1/16 - 1/4	

CAM ACTION CABLE CONNECTORS

- One model fits cable sizes 4 through 4/0
- Manufactured from heavy wall precision machined brass alloy
- Cable is held securely by large dome screw
- Brass body assembly slides easily into unique heavy-duty neoprene insulator with no external screws to avoid shock hazards
- Cam locking connectors are compatible with most common brands



Model No.	Description	Price /Each
NT664	Male/Female Connector Set	
NT649	Male Half with Insulator	
NT650	Female Half with Insulator	

EITHER-END CABLE CONNECTORS

- For use with 1/0 - 2/0 cable
- Unique "Either-End" design allows ends to interlock without the need for male/female connection points
- Brass body assembly slides into heavy-duty neoprene insulator



Model No.	Mfg. No.	Description	Price /Each
NP528	E-102M	Either-End Connector Set	

LC-10 CABLE CONNECTORS

- Positive lock-tight action
- Metal parts are precision machined from heavy, specially shaped brass extrusion
- Cam action design of male half connector pulls the two halves tightly together
- Female brass connector is recessed to minimize accidental shorting
- Molded connector covers
- 250 Amps
- Cable capacity: 4 - 1/0



Model No.	Mfg. No.	Description	Price /Each
380-1610	05040	Complete Connector Set	
380-1620	05043	Male Half	
380-1615	05046	Female Half	

ELECTRICAL PLUGS & RECEPTACLES

- For use with copper or aluminum wire
- **Plug** - Universal angle ground, 50 amps, 250 volts, male
- **Receptacle** - 50 amps, 250 volts



Model No.	Mfg. No.	Description	Price /Each
NP495	42	Plug	
NP496	1252	Receptacle	

ARC WELDING TOOLS & ACCESSORIES

HAMMER-ON LUGS

- Manufactured from heavy wall cast copper alloy, annealed for maximum conductivity
- Fast, easy installation, just slide into cable and strike it with hammer for durable connection



Model No.	For AWG Cable Sizes	Price /Each
NT606	1 - 4	
NT605	1/0 - 2/0	
NT604	3/0 - 4/0	

SOLDER/CRIMP LUGS

- Manufactured from heavy wall copper alloy, annealed for maximum conductivity
- Long length and flared ends make installation fast and easy



Model No.	For AWG Cable Sizes	Price /Each
TTU567	1 - 4	
PB131	3/0 - 4/0	

TOUGHFLEX™ WELDING CABLE

- Industry's best selling welding cable
- Durable and flexible
- Highly flexible annealed 30 (0.010) gauge bare copper conductor, insulated with an EPDM jacket and paper separator
- Durable jacket resists cuts, tears, abrasion, grease, oil, water and flame
- Operating temperature range: -50°C to 105°C (-58°F to 221°F)
- Rated to 600 V
- Ideal for any welding application that requires leads, grounds, and stinger/whips
- Custom lengths and jacket colours available upon request
- **Sold per spool or boxed**

TLV126



TLV134



KALAS

CABLE SPECS:

Gauge	Stranding	O.D."	Average Wall"	Weight lbs./1000'	Resistance OHMS/1000'
#6	259/0.010	0.320	0.060	113	0.406
#4	364/0.010	0.348	0.060	147	0.287
#2	624/0.010	0.420	0.060	236	0.167
#1	780/0.010	0.503	0.080	313	0.137
1/0	988/0.010	0.533	0.080	378	0.110
2/0	1235/0.010	0.586	0.080	463	0.086
3/0	1539/0.010	0.625	0.080	563	0.070
4/0	2014/0.010	0.720	0.080	734	0.055

AMPACITY GUIDE:

GAUGE	50'	75'	100'	125'	150'	175'	200'	225'	250'	300'	350'
#4	100	100	-	-	-	-	-	-	-	-	-
#3	150	-	-	-	-	-	-	-	-	-	-
#2	200	150	100	100	-	-	-	-	-	-	-
#1	250/300	200	150	-	100	-	-	-	-	-	-
1/0	350	250	200	150		100	100	-	-	-	-
2/0	400/450	300	250	200	150	-	100	100	-	-	-
3/0	500	350/400	300	250	200	150	150	-	-	100	-
4/0	550/600	450/500	350/400	300	250	200	200	150	150	-	100

DO NOT USE for 600 volt in-line applications. Product for welding applications only.
Values are nominal and approximate.

Model No.	Mfg. No.	Gauge	Price /Each
300' SPOOL			
TTV126	640069.A4.001	#6	P.O.A.
TTV127	640068.A4.001	#4	P.O.A.
TTV128	640067.A4.001	#2	P.O.A.
TTV129	640066.A4.001	#1	P.O.A.
TTV130	640065.A4.001	1/0	P.O.A.
TTV131	640064.A4.001	2/0	P.O.A.
TTV132	640063.A4.001	3/0	P.O.A.
TTV133	640062.A4.001	4/0	P.O.A.
50' BOXED			
TTV134	06T1050B0000	#6	P.O.A.
TTV135	04T1050B0000	#4	P.O.A.
TTV136	02T1050B0000	#2	P.O.A.
TTV137	01T1050B0000	#1	P.O.A.
TTV138	10T1050B0000	1/0	P.O.A.
TTV139	20T1050B0000	2/0	P.O.A.
TTV140	30T1050B0000	3/0	P.O.A.
TTV141	40T1050B0000	4/0	P.O.A.
100' BOXED			
TTV142	06T1100B0000	#6	P.O.A.
TTV143	04T1100B0000	#4	P.O.A.
TTV144	02T1100B0000	#2	P.O.A.
TTV145	01T1100B0000	#1	P.O.A.
TTV146	10T1100B0000	1/0	P.O.A.
TTV147	20T1100B0000	2/0	P.O.A.
TTV148	30T1100B0000	3/0	P.O.A.
TTV149	40T1100B0000	4/0	P.O.A.



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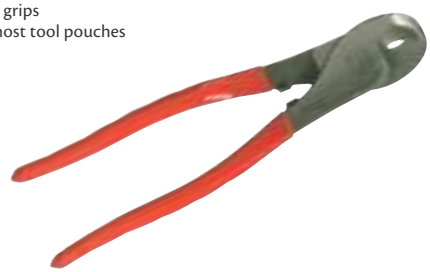
Call us today!

HIGH-LEVERAGE CABLE CUTTERS

- High-leverage jaws with shear-cut blades
- Cuts up to: 4/0 aluminum cable (not ACSR), 2/0 soft copper cable
- Plastic covered, non-slip grips
- Compact cutter fits in most tool pouches
- NOT an insulated tool
- Overall length: 9 1/2"

Model No. TBG092
Mfg. No. 0890CSJ
Price/Each $

H.K. Porter®



GROUND CLAMPS

- Manufactured from nickel-plated steel with forged brass conductors
- Heavy-duty springs provide positive strength at jaws
- **NT661** is ideal for farm welder and light shop work; current flows directly from lower jaw to welding cable
- **NT662** is ideal for portable gas drive welders; braided zinc coated copper strap carries current to both upper and lower jaws, fully insulated hinge and spring prevents arcing



Model No.	Amps	Price /Each
NT661	300	
NT662	500	

HEAVY-DUTY C-STYLE GROUND CLAMPS

- C-type jaws are adjusted by screw lever
- Rubber insulated cable connector



Model No.	Amps	Price /Each
NT665	600	

MAGNETIC HOLDERS

- Multi-purpose holders for assembly and positioning
- Adheres to any metal object
- Ideal for welding, soldering, assembly and pipe installation



Model No.	Description	Dimensions"	Price /Each
NT626	Medium	5 x 3 1/4 x 1/2	
NT627	Large	6 1/4 x 4 x 3/4	
NT628	X-Large	8 x 5 x 1	

MAGNETIC WELDING SQUARES

- Provides fast set-up and accurate holding of steel sheet stock, plate and tubing for welding
- Holds work pieces at 45°, 90°, 135° and 180° angles
- **TGY629, TYO502** and **TGY630** models feature "Breakaway Handle"



Model No.	Description	Pull lbs.	Dimensions L" x W" x H"	Price /Each
TGY624	Multi-Angle	55	4 3/8 x 3/4 x 3	
TGY625	Compact	60	3 3/4 x 3/4 x 3 3/4	
TYO501	Compact Multi-Angle	60	3 3/4 x 3/4 x 3 3/4	
TLV266	Inside 90°, Outside 45/90°	40	5 1/2 x 5/8 x 2 7/8	
TGY626	Adjustable	120	7 5/8 x 1 3/8 x 3 3/4	
TGY627	Mid-Size	75	3 3/4 x 3/4 x 4 3/8	
TGY628	Mid-Size, Covered*	75	3 3/4 x 3/4 x 4 3/8	
TGY629	Mid-Size, Extra Power Covered HD	150	3 3/4 x 1 1/2 x 4 3/8	
TYO502	Large Covered	160	8 x 3/4 x 8	
TGY630	Large, Extra Power Covered*	325	8 x 1 1/2 x 8	

* Weld spatter resistant cover

HEAVY-DUTY GROUND CLAMPS

- Manufactured from heavy-duty nickel-plated steel with forged brass conductors and braided copper strap to carry current to upper jaw
- Heavy-duty spring provides positive contact at jaws
- Cable is easy to install with built-in cable connector and oval point screw
- Allen-type wrench included



Model No.	Amps	Price /Each
NT668	300	
NT669	500	

JACKSON SAFETY* GROUND CLAMPS

- Clamps have forged copper alloy conductors
- High clamping pressure and long "finger-grip" levered handles for easy jaw opening
- Extra large contact areas for greater conductivity
- Run at a cooler temperature at higher AMPS for better arc starting
- Fully insulated pivots and springs



Model No.	Mfg. No.	Amps	Cable Capacity	Jaw Capacity"	Price /Each
140-1775	14730	200	4 - 1/0	1 1/4	
140-1780	14731	300	1/0 - 2/0	1 5/8	
140-1785	14732	500	3/0 - 4/0	2	

MAGNETIC WELDING GROUNDS

- Powerful magnet attaches securely to your steel work surface
- Spring loaded 1/2" diameter stud assures constant electrical ground contact



Model No.	Holding Capacity lbs.	Stud Type Amperage	Diameter"	Height"	Price /Each
TGY631	35	250 A/Brass	3 1/2	2 1/4	
TGY632	35	800 A/Copper	3 1/2	2 1/4	

MAG90™ ON/OFF MAGNETIC SQUARES

- Locking On/Off handle for safety and ease of use
- Simple, fast work holding on multiple sides
- Eliminate the need for tedious clamping
- Can be used on flat or round steel
- Pre-tapped holes on all sides for mounting


TYO503

Model No.	Pull lbs.	Dimensions L" x W" x H"	Tap	Tap Depth"	Wt. lbs.	Price /Each
TYO503	150	1 1/2 x 1 1/2 x 2 3/4	#8-32	0.330	0.8	
TYO504	450	3 x 2 1/2 x 4 5/8	1/4-20	0.500	4.3	
TYO505	1000	4 1/4 x 4 x 4 3/4	3/8-16	0.625	10.5	

WELDING GROUND CLAMP

- Dual purpose work piece clamp and welding ground
- Non-twist clamp
- Copper plating prevent weld splatter from sticking
- Beveled jaws hold both flat or round surfaces
- Deep throat jaw depth



Model No.	Amperage	Jaw Capacity"	Dimensions L" x W" x H"	Wt. lbs.	Price /Each
TYO506	1000	4-1/2	9 x 4-7/16 x 1-1/8	1.9	

AIR CARBON ARC GOUGING TORCHES

For gouging, cutting, beveling, piercing and flushing metal.

- Economical air carbon arc cutting process
- Can be used on most metals
- Chemical changes are virtually nil, as the process is primarily physical

AIR REQUIREMENTS

Ordinary compressed air as supplied by a shop airline or compressor is suitable. Most applications require 80-100 PSI.

Air

PSI:	80
kg/cm²:	5.6
CFM:	35
CMM:	0.076



Compressor

Intermittent:	5 HP (3.73 KW)
Continuous:	7.5 HP (5.60 KW)

Model No.	Amps	Price /Each
NT667	800	

AIR CARBON ARC GOUGING ELECTRODES

- Consistent copper coating DCCC
- Used for gouging out defective welds and cutting non-ferrous metals
- Electrodes are 12" in length
- **Sold per package**



Model No.	Dia."	Qty /Pkg.	Price /Each
NT632	5/32	100	
NT633	3/16	50	
NT634	1/4	50	
NT635	5/16	50	
NT636	3/8	50	
NT637	1/2	50	

INDUSTRIAL-DUTY SCRATCH BRUSHES

- Wood handle
- Choice of carbon or stainless steel bristles



Model No.	Length of Brush"	O.A. Length"	Wire Bristles	Rows	Trim Length"	Price /Each
LONG HANDLE BRUSHES						
NT607	5 3/4	13 3/4	Carbon Steel	3 x 19	1	
NT608	5 3/4	13 3/4	Carbon Steel	4 x 19	1	
NT611	5 3/4	13 3/4	Stainless Steel	3 x 19	1	
NT612	6	10 1/4	Stainless Steel	4 x 19	1	
SHOE HANDLE BRUSHES						
NT609	5 1/4	10 1/2	Carbon Steel	3 x 16	1	
NT610	5 1/4	10 1/2	Carbon Steel	4 x 16	1	
NT613	5	10 1/2	Stainless Steel	3 x 16	1	
NT614	5	10 1/4	Stainless Steel	4 x 16	1	
"TOOTHBRUSH" CLEANING BRUSH						
NT615	1 1/2"	7 3/4	Stainless Steel	3 x 7	1/2	

ATLAS STEEL GRIP TOMAHAWKS®

- Heads are pinned to shafts
- Flex-O steel coil hand grips
- Head length: 6 1/2"
- Overall length: 10 1/2"



Model No.	Mfg. No.	Head Style	Price /Each
PB134	G	Chisel and Cross Chisel	
PB135	H	Cone and Chisel	
PB136	HCP	Cone and Cross Chisel	

CHIPPING HAMMERS

- Cone and chisel head
- Spring steel handle
- Head length: 6 1/4"
- Overall length: 10 1/2"

Model No. NP532
Price/Each $



PLASTIC HANDLE CHIPPING HAMMERS

- High impact thermoplastic handles reduce impact sting
- Outlast standard wood handles
- Easy-to-find bright yellow colour
- Forged steel head, 11 7/8" overall length



Model No.	Mfg. No.	Head Style	Wt. oz.	Price /Each
380-1865	LPHCM	Cross Chisel and Pick	20	
380-1875	LPHH	Chisel and Pick	16	
380-1880	LPHHC	Cross Chisel and Pick	16	
380-1870	LPHG	Chisel and Cross Chisel	20	

ATLAS LONG-NEK TOMAHAWKS®

- "Fit-the-hand" hickory handle
- Deep neck steel head design offers 50% greater handle support and protection from splinter when working over edges
- Overall length: 12"



Model No.	Mfg. No.	Head Style	Head Length"	Price /Each
BZ946	WH-10	Chisel and Cross Chisel	7	
BZ945	WH-20	Cone and Chisel	7 3/4	
PB139	WH-30	Cone and Cross Chisel	7 3/4	
378-1245	WH-40	Cone and Cross Chisel	8 1/4	
378-1055	26	Replacement Handle	-	

MULTI-PURPOSE MIG PLIERS

- Eight-way pliers
- Nickel plated finish
- Ideally suited for removal of hot spatter from nozzle ends, as well as many other uses



Model No.	Description	Price /Each
NP537	Pliers	
NT666	Holster for Pliers	

MATADOR® WELDER'S PLIERS

- Ideal for installing tips, nozzles and bushings, cutting and hammering
- Universal use for all wire feed guns
- Vanadium-steel construction is tough, durable
- Satin finish reduces rust



Model No.	Mfg. No.	Price /Each
899-1700	4705008	

MIG NOZZLE REAMERS

- Cleans hot MIG nozzle on the torch
- Self adjusting to fit all size nozzles
- Expanding spring steel cleaner

Model No. TTU660
Price/Each $



AIR FLUX CHIPPERS

- Lightweight and compact design permits increased operator efficiency
- Paddle style trigger offers better speed control and precision
- Low noise, low vibration
- Durable
- Comes with 35 mm flat chisel
- Overall length: 10 1/4"
- Weight: 4.1 lbs.



Model No.	Stroke in	Stroke mm	Blows per minute BPM	Average Air Consumption CFM	Air Inlet	Hose Size in	Hose Size mm	Vibrations Less Than m/s^2	Sound Pressure Level dB(A)	Price /Each
TLZ133	1 1/2	38	4400	9	1/4" - 18 NPT	3/8	9.5	10.2	92	

ACCESSORIES

Model No.	Description	Price/Each
TLZ134	20 mm Flat Chisel	
TLZ135	35 mm Flat Chisel	
TLZ136	Moil Pointed Chisel	

ARC WELDING TOOLS & ACCESSORIES

SAFETUBE® ROD CANISTERS

- Protects electrodes from dirt, grease and moisture
- Pressure fitted O-ring provides a watertight seal
- Withstands electrodes heated to 250°F
- Requires only a quarter turn to remove cap
- Square sides prevent rolling
- Safety yellow colour increases visibility

14" CANISTER
- Holds up to 10 lbs. (5 kg) of 14" electrodes

18" CANISTER
- Holds up to 15 lbs. (7.5 kg) of 18" electrodes

40" CANISTER
- Holds up to 15 lbs. (7.5 kg) of 36" TIG/brazing rods

CARRY STRAP
- Provides easy transport for electrode canisters
- For use with 14" and 18" Safetubes®

WALL STORAGE RACK
- Provides storage for four 40" Safetube® TIG rod canisters



Model No.	Mfg. No.	Description	Capacity	Price /Each
ELECTRODE CANISTERS				
382-4010	1205441	Canister	Up to 10 lbs. of 14" Electrodes	
382-4040	1205455	Canister	Up to 15 lbs. of 18" Electrodes	
382-4020	1205451	Adjustable Carry Strap	-	
TIG ROD CANISTER				
TTV109	1205488	Canister	Up to 15 lbs. of 36" TIG Rods	
TTV110	1205490	Wall Storage Rack	-	

ROD HOLDERS

- Double leather bottom and metal swivel clip
- 5-ply Kevlar® stitched with rivet reinforcement

Model No. NP519
Price/Each



WELD-MATE

DRYROD® PORTABLE ELECTRODE OVENS

- Heating elements provide uniform, continuous heat for 100% protection of electrodes
- Standard features include an adjustable thermostat, indicator light and removable power cord with locking power inlet
- Optional digital thermometer available on Types 2, 5, and 15, reads in °F or °C
- Type 5 and 15 available with wheels and pull-handle for easy transport
- All units cUL approved



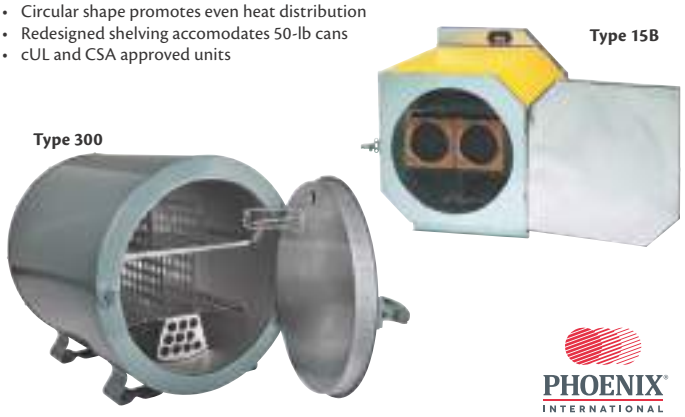
Model No.	Mfg. No.	Voltage	Capacity lbs.	Temperature Range °F	Price /Each
TYPE 1					
382-1205500	1205500	100/240 V AC/DC @ 60 watts	10	Preset to 300	
TYPE 2					
TTT575	1205512	100/240 V AC/DC @ 70 watts	20	100 - 300	
382-1205510*	1205510	100/240 V AC/DC @ 70 watts	20	100 - 300	
TYPE 5 W/HANDLES					
TTU576	1205523	120/240 V AC @ 300 watts	50	100 - 300	
TTU577*	1205521	120/240 V AC @ 300 watts	50	100 - 300	
TYPE 5 W/WHEELS					
TTT576	1205522	120/240 V AC @ 300 watts	50	100 - 300	
382-1205520*	1205520	120/240 V AC @ 300 watts	50	100 - 300	
TYPE 15					
TTT577	1205532	120/240 V AC @ 600 watts	150	100 - 300	
382-1205530*	1205530	120/240 V AC @ 600 watts	150	100 - 300	

*With digital thermometer

DRYROD® BENCH OVENS

TYPE 15B
- Designed for small fabrication shops, jobsite trailer or welding lab
- Wire wrapped heating elements provide uniform, continuous heat for 100% protection of electrodes
- Adjustable thermostat ensures full temperature control
- Optional digital thermometer reads in °F or °C
- Powder coat finish enhances durable steel body
- cUL approved

TYPE 300
- Designed for large fabrication shops, refineries and on-site job trailers
- Ovens feature adjustable thermostatic control, indicator light and optional thermometer for instant temperature indication
- Circular shape promotes even heat distribution
- Redesigned shelving accomodates 50-lb cans
- cUL and CSA approved units



Model No.	Mfg. No.	Voltage	Capacity lbs.	Temperature Range °F	Price /Each
TYPE 15B					
TTT578	1205533	120/240 V AC @ 600 watts	150	100 - 300	
382-1205531*	1205531	120/240 V AC @ 600 watts	150	100 - 300	
TYPE 300					
382-1060	1200200	120/240 V AC @ 1000 watts	400	100 - 550	
382-1070**	1200202	120/240 V AC @ 1000 watts	400	100 - 550	
382-1065	1200100	240/480 V AC @ 1000 watts	400	100 - 550	
382-1075**	1200102	240/480 V AC @ 1000 watts	400	100 - 550	

* With digital thermometer **Stacking version


auroratools®
Canada's Best Value in Industrial Tools
Contact us today!

OUPUT ICONS

- CC — For constant current stick and TIG processes
- CV — For constant voltage MIG, flux-cored and subarc processes
- AC — Alternating current welding output
- DC — Direct current welding output
- CC CV — For multiprocess constant current or constant voltage applications
- AC DC — Alternating or direct current welding output

INPUT ICONS

- 1 PHASE — Single phase input power
- 50 Hz — 50 Hertz input power
- 60 Hz — 60 Hertz input power
- 50/60 Hz — 50/60 Hertz input power
- 115V — 115 V input power
- 120V — 120 V input power
- 230V — 230 V input power

TOMAHAWK® 375 AIR PLASMA CUTTERS

The Tomahawk® 375 air plasma cutting system arrives ready to go for fast and precise cutting. Forget the grinder – simply pick up the torch and cut in seconds.

- Internal air compressor enables operation in environments where external compressed air is not available
- 3/8" maximum cut @ 14 IPM
- Continuous output control focuses the arc for different material thickness
- Touch start system, reliable plasma arc initiation without high frequency
- Rapid arc restrike
- Front panel purge control makes it easy to set the air flow rate without initiating the plasma arc
- Engine drive compatible
- 3-year warranty on machine, 90 days on torch



Processes
Plasma cutting for:
Mild steel, stainless steel, aluminum, brass, copper

Output DC

Input 1 PHASE, 60 Hz

Includes:
- Internal air compressor (external air connection also standard)
- Lincoln Electric LC25 torch with 10' (3 m) cable
- Air regulator and pressure gauge
- Internal water separator
- Work clamp and cable
- Spare consumables
- Shoulder strap
- Input power cord

Model No.	Mfg. No.	Input Power Voltage	Phase	Hertz	Rated Output Current	Voltage	Duty Cycle	Input Current @ Rated Output	Pilot Current	Output Range	Air Pressure Required	Air Flow Required	Price /Each
TTU662	K2806-1	208/230	1	60	13 A 18 A 25 A	85.2 V 87.2 V 90 V	100% 60% 35%	21.7 A (max.)	17 A	10-25 A	80-110 PSI (6-7.5 Bar)	70 PSI @ 125-200 SCFH (5 Bar @ 80 Litres/min)	

TOMAHAWK® 625 PLASMA CUTTERS

The Tomahawk® 625 plasma cutting system is portable enough to carry to any jobsite. Hook up the compressed air, grab the torch and start cutting right away.

- 5/8" maximum cut @ 12 IPM
- Continuous output control focuses the arc for different material thickness
- Touch start system, reliable plasma arc initiation without high frequency
- Rapid arc restrike for fast cutting through gaps, even expanded metal
- Front panel purge control makes it easy to set the air flow rate without initiating the plasma arc
- Lightweight and portable, can be easily carried by one person
- Engine drive compatible
- 3-year warranty on machine, 90 days on torch



Processes
Plasma cutting for:
Mild steel, stainless steel, aluminum, brass, copper

Output DC

Input 1 PHASE, 50/60 Hz

Includes:
- Lincoln Electric LC40 torch with 20' (6 m) cable
- Air regulator and pressure gauge
- Internal water separator
- Work clamp and cable
- Spare consumables
- Shoulder strap
- Input power cord

Model No.	Mfg. No.	Input Power Voltage	Phase	Hertz	Rated Output Current	Voltage	Duty Cycle	Input Current @ Rated Output	Pilot Current	Output Range	Air Pressure Required	Air Flow Required	Price /Each
TTU663	K2807-1	208/230	1	50/60	24 A 29 A 40 A	89.6 V 91.8 V 96.0 V	100% 60% 35%	36.8 A (max.)	17 A	10-40 A	80-110 PSI (6-7.5 Bar)	70 PSI @ 125-200 SCFH (5 Bar @ 80 Litres/min)	

INVERTEC® V155-S STICK/TIG WELDERS

PORTABLE, PROFESSIONAL, RUGGED, AFFORDABLE

- Weighs less than 15 lbs. (6.8 kg)
- 120/230 V auto reconnect operation, can operate from a portable generator
- Plugs into a 200' (61 m) 230 V extension cord so you can weld just about anywhere
- Tough dent resistant case is IP23-rated for outdoor use
- Two stick modes, SOFT and CRISP, provide the right arc characteristics for different types of electrodes
- Auto-Adaptive Arc Force™ minimizes electrode sticking in the puddle without compromising arc stability or increased spatter
- Automatic Hot-Start™ boosts the current during starting to make striking an arc easier
- Touch Start TIG™ DC operation allows you to strike the arc easily without high frequency or tungsten contamination
- Available in two models: a base unit (**TTU115**) with stick accessories or a complete Stick/TIG ready-to-weld package (**TTU116**) in an Easy-Store/Easy-Carry suitcase
- 3-year warranty on parts and labour



TTU116

Processes
Stick
DC TIG

Output CC DC

Input 1 PHASE 50/60 Hz

Includes:
- Invertec® V155-S
- Stick electrode holder, cable and Twist-Mate™ plug
- Work cable and clamp with Twist-Mate™ plug
- Fully adjustable shoulder strap
- 120/230 V 6.6' (2 m) input cord with a 120 V 15 Amp plug
- Extra 120 V 20 Amp plug

Ready-Pak® Includes:
All of the above plus
- Gas regulator
- PTA-17V TIG torch with Ultraflex™ cable and Twist-Mate™ adapter
- PTA-17 TIG accessory kit
- Easy-Store/Easy-Carry suitcase

LINCOLN ELECTRIC THE WELDING EXPERTS

Model No.	Mfg. No.	Input Power Voltage	Phase	Hertz	Rated Output Current	Voltage	Duty Cycle	Input Current @ Rated Output*	Output Range	Price /Each
TTU115	K2605-1	120	1	50/60	75A	23.0V	100% Stick	24.0A	5-155 Amps DC	
					100A	24.0V	30% Stick	33.8A	Max. OCV: 75V	
					105A	14.2V	100% TIG	21.5A		
					130A	15.2V	30% TIG	28.8A		
TTU116	K2606-1	115/230	1	50/60	100A	24.0V	100% Stick	21.0A	5-155 Amps DC	
					145A	25.8V	30% Stick	31.0A	Max. OCV: 75V	
					100A	14.0V	100% TIG	14.1A		
					155A	16.2V	30% TIG	22.8A		

* Input amps on 60 Hz input

PRECISION TIG® 225 STICK/TIG WELDERS

GREAT FOR CUSTOM FABRICATORS

The Precision TIG® 225 gives you the "Power to Perform℠", for general fabrication, automotive/motorsports, vocational schools or serious hobby work. Micro-Start™ II Technology delivers precision arc performance to improve arc starting, welding and weld cratering.

- 5-230 amps is the widest welding range in its class
- Patented Micro-Start™ II Technology delivers extremely stable low amperage starting, welding and cratering for AC and DC welding
- AC Auto-Balance™ automatically sets the optimal cleaning vs. penetration levels for great looking aluminum welds
- Built-in TIG pulser helps control heat input in the weld
- 115 volt auxiliary power receptacles with 20 amp service reliably powers water coolers or other tools
- Shielding gas sold separately
- Fan-As-Needed™ (F.A.N.) prevents overheating, reduces power consumption noise, motor wear and dust in the machine
- **Ready-Pak® with Cart** includes everything listed above and the understorage cart
- CSA C/US certified
- 3-year warranty on parts and labour



TTT399



TTT398

Processes
Stick
TIG

Output CC AC/DC

Input 1 PHASE 60 Hz

Ready-Pak® Includes:
- Precision TIG® 225
- Removable Lift Eye
- 10 ft. Work Cable and Clamp
- NEMA 6-50R Receptacle
- TIG Procedure Guide
- GTAW (TIG) Handbook
- PTA-17 One-Piece TIG Torch, 12.5'
- Gas Regulator with Hose
- Foot Amptrol®

LINCOLN ELECTRIC THE WELDING EXPERTS

Model No.	Mfg. No.	Description	Input Power Voltage	Phase	Hertz	Rated Output Current	Voltage	Duty Cycle	Input Current @ Rated Output*	Output Range	Price /Each
TTT398	K2535-1	Ready-Pak® Pkg.	208/230	1	60	90A	23.4V	100%	42/39A	5-230A AC	
TTT399	K2535-2	Ready-Pak® Pkg. w/cart								5-230A DC Max. OCV: 75V	

*All inputs reported include 20 amp output on 115 volt auxiliary

POWER MIG® 140C WIRE FEED WELDERS

THE PROFESSIONAL'S CHOICE℠

- Designed for 120 volt home projects and repair, sheet metal autobody work, farm and small shop welding
- Diamond Core Technology™ delivers a forgiving arc, excellent out-of-position arc action, low spatter and a wide voltage sweet spot at a given wire feed speed for steel, stainless steel or aluminum
- Dual gear-driven cast aluminum drive rolls deliver positive traction
- Patented split wire guides ensure optimal wire alignment and a brass-to-brass gun connection aids critical conductivity
- Large industrial closed-design drive motor improves torque and enhances trouble-free performance
- No hassle tool-less design for input power changes, wire spool mounting, wire drive service and polarity changes
- Spool gun ready, remove the standard MIG gun and plug in the economical Magnum® 100SG spool gun **TTU118** (optional) for enhanced aluminum wire feeding performance
- Toughest PC board protection in the industry, potted to seal sensitive components from the environment, trayed in a tough plastic tray to add rigidity and shock resistance
- 3-year warranty on machine, 90 days on torch



Processes
Mig
Flux-Cored

Output CV, DC

Input 1 PHASE, 60 Hz

Includes:
- Magnum® Pro 100L gun, 10' (3.0 m) cable
- Gas and Gasless Nozzles
- Cable Liner; 0.025" (0.6 mm) and 0.035" (0.9 mm) Contact Tips
- Work Cable and Clamp
- Adjustable Gas Regulator and Hose
- Spindle Adapter
- Sample Spool of 0 .025" (0.6 mm) SuperArc® L-56 Mild Steel MIG Wire
- Sample Spool of 0.035" (0.9 mm) Innershield® NR-211-MP Flux-Cored Wire
- 0.025" (0.6 mm) and 0.025 - 0.030" (0.6 - 0.7 mm) Drive Rolls
- 0.030 - 0.045" (0.7 - 1.1 mm) Knurled Drive Roll
- 0 .025 - 0.035" (0.6 - 0.9 mm) and 0.035 - 0.045" (0.9 - 1.1 mm) Wire Guides
- Learn-To-Use DVD

Model No.	Mfg. No.	Input Power Voltage	Phase	Hertz	Rated Output Current	Voltage	Duty Cycle	Input Current @ Rated Output	Output Range	Price /Each
TTV163	K2471-2	120	1	60	90A	19.5V	20%	20A	30-140 A DC 50-500 ipm WFS (1.3-12.7 m/min) Max. OCV: 33	

POWER MIG® 180 DUAL WIRE FEED WELDERS

THE PROFESSIONAL'S CHOICE℠

- Dual 120 or 208/230 volt input power capability, you can use the same machine to weld at home and generator-driven environments, or choose 208/230 volt input power for shop or out on the job site applications on thicker materials
- Ideal for sheet metal and light frame autobody work, farm or small shop applications
- Diamond Core Technology™ – Delivers a forgiving arc, excellent out-of-position arc action, low spatter and a wide voltage sweet spot at a given wire feed speed for steel, stainless steel or aluminum
- Dual gear-driven cast aluminum drive rolls deliver positive traction
- Patented split wire guides ensure optimal wire alignment and a brass-to-brass gun connection aids critical conductivity
- Large industrial closed-design drive motor improves torque and enhances trouble-free performance
- No hassle tool-less design for input power changes, wire spool mounting, wire drive service and polarity changes
- Spool Gun Ready, remove the standard MIG gun and plug in the economical Magnum® 100SG spool gun **TTU118** (optional) for enhanced aluminum wire feeding performance
- 3-year warranty on machine, 90 days on torch



Processes
Mig
Flux-Cored

Output CV, DC

Input 1 PHASE, 60 Hz, 120V, 230V

Includes:
- Magnum® Pro 100L gun, 10' (3.0 m) cable
- 120V and 230V Input Cables
- Input Cable Bag
- Gas and Gasless Nozzles
- Gun Cable Liner (pre-installed in gun)
- Work Cable and Clamp
- Adjustable Gas Regulator and Hose
- Spindle Adapter
- Sample (0.90 kg) Spool of SuperArc® L-56® Mild Steel MIG Wire
- Sample (0.45 kg) Spool NR®-211-MP Flux-Cored Wire
- 0.025" (0.6 mm) and 0.035" (0.9 mm) Contact Tips
- 0.025 - 0.030" (0.6 - 0.8 mm) and 0.035" (0.9 mm) Drive Rolls
- 0.030 - 0.045" (0.8 - 1.1 mm) Knurled Drive Rolls
- 0.025 - 0.035" (0.6 - 0.9 mm) and 0.045" (1.1 mm) Wire Guides
- Learn-To-Use DVD

Model No.	Mfg. No.	Input Power Voltage	Phase	Hertz	Rated Output Current	Voltage	Duty Cycle	Input Current @ Rated Output	Output Range	Wire Feed Speed Range	Price /Each
TTV164	K3018-2	120	1	60	120V: 90A	19.5V	20%	20A	120V: 30-140 Amps DC Max. OCV : 33	50-500 ipm (1.3-12.7 m/min)	
		208/230	1	60	208V: 130A 230V: 130A	17.6V 20V	30% 30%		230V: 30-180 Amps DC Max. OCV : 34		

POWER MIG® 210 MP MULTI-PROCESS WELDER

ONE POWERFUL MACHINE

- Lightweight and portable-just 40 lbs.
- 210 Amps: The power to tackle any job
- Inverter based technology to weld multiple welding processes* of wire, stick, and TIG
- Dual voltage inputs (120V or 230V), plug into any common power supply
- Intuitive push-and-turn digital controls make setup a breeze
- Advanced options and settings are simple to access
- MIG: Weld up to 3/8" mild or stainless steel or aluminum* up to 3/16"
- Flux-Cored (Self- and Gas-shielded): Tackle the biggest jobs
- DC Stick: Handles up to 5/32" stick electrodes
- DC TIG: Enabled by Touch Start TIG® technology
- 3 year warranty on machine, 90 days on gun and cable assembly

* Additional accessories may be required for different welding processes



LINCOLN ELECTRIC THE WELDING EXPERTS℠

Processes
Mig Flux-Cored
DC Stick DC TIG

Output CC CV DC

Input 1 PHASE 60 Hz

Includes:
- Magnum® PRO 175L gun, 10' (3.0 m) cable
- 120V and 230V input cables
- Work cable and clamp
- Electrode holder and lead assembly
- Adjustable gas regulator and hose
- Gas and gasless nozzles
- Gun cable liner (pre-installed in gun)
- Spindle adapter
- 2 lb (0.90 kg) spool of SuperArc® L-56® mild steel MIG wire
- 1 lb (0.45 kg) spool Innershield® NR®-211-MP flux-cored wire
- 0.025" (0.6 mm) and 0.035" (0.9 mm) contact tips
- 0.025" - 0.030" (0.6 - 0.8 mm) and 0.035" (0.9 mm) drive rolls
- 0.030" - 0.045" (0.8 - 1.1 mm) knurled drive rolls
- 0.025" - 0.035" (0.6 - 0.9 mm) and 0.045" (1.1 mm) wire guides

Model No.	Mfg. No.	Input Power Voltage	Phase	Hertz	Rated Output Current	Voltage	Duty Cycle	Input Current @ Rated Output	Output Range	Wire Feed Speed Range	Price /Each
TTV220	K3963-1	120	1	60	120V: 100A	19.0V	40%	15A	120V: 20-140A DC Max. OCV: 56	50-500 ipm (1.3-12.7 m/min)	
		230	1	60	230V: 200A	24V	25%	14.7A	230V: 20-220A DC Max. OCV: 56		

POWER MIG® 256 WIRE FEED WELDERS

THE PROFESSIONAL'S CHOICE™

- The Power MIG® 256 sets the standard for MIG and flux-cored welding in light industrial job shop fabrication, maintenance or repair work
- Diamond Core Technology™ delivers a forgiving arc, excellent out-of-position arc stability, low spatter and a wide voltage sweet spot at a given wire feed speed for steel, stainless steel or aluminum
- Maxtrac® cast aluminum industrial wire drive features dual driven rolls, regulated wire feed speed control, brass-to-brass connections and 100% wire supporting split wire guide system
- Digital meters for set up, meters display your preset voltage and wire feed speed
- Magnum® Pro gun and cable 15' (4.5 m) makes it easy to reach your work
- Copper Plus™ contact tips features larger tip diameter and mass improves heat dissipation to increase tip life
- Spool gun ready for the premium Magnum® 250LX gun (**TTU319**) and spool gun capable with the Magnum® SG (**TTU318**), requires adapter
- 115V auxiliary receptacle to power a grinder or other auxiliary equipment
- All-metal case front
- 3-year warranty on machine, 90 days on torch



LINCOLN ELECTRIC THE WELDING EXPERTS℠

Processes
Mig
Flux-Cored

Output CV DC

Input 1 PHASE 60 Hz

Includes:
- Magnum® Pro gun and cable 15' (4.5 m)
- Coil Claw™ Cable Management system keeps your workstation organized
- Convenient top-mounted gun expendables tray



Coil Claw

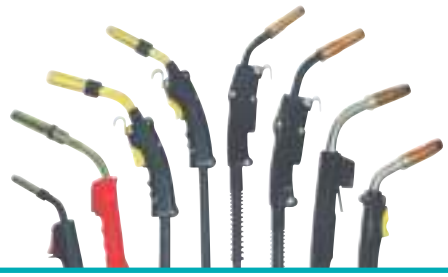
Model No.	Mfg. No.	Input Power Voltage	Phase	Hertz	Rated Output Current	Voltage	Duty Cycle	Input Current @ Rated Output	Output Range	Price /Each
TTV124	K3068-1	208/230	1	60	250A	26V	40%	56/52A***	30-300 A 50-700 ipm WFS (1.3-17.7 m/min) Max. OCV: 40V	
TTV162*	K3068-2	230/460/575	1	60	250A	26V	40%	50/24/19A	30-300 A 50-700 ipm WFS (1.3-17.7 m/min) Max. OCV: 40V	

* Does not include input cable ** Cannot be powered by an engine-driven welder
*** Input current is at the rated output with the 115V auxiliary receptacle also drawing 15 amps

CALL US FOR OPTIONAL ACCESSORIES FOR LINCOLN ELECTRIC WELDING MACHINES

MIG GUNS

- Recommended for applications using solid and flux core wire
- Guns are complete with 15' cable length
- A complete selection of replacement parts for most brands of guns is available
- Contact us for pricing on guns with different amperage ratings or cable lengths



BERNARD® STYLE REPLACEMENT AIR-COOLED MIG GUNS

200 AMPS

Rating:
- 200 Amps CO_2 @ 100% duty cycle
- 150 Amps mixed gas @ 100% duty cycle
- Wire capacity: 0.023" – 0.045"

300 AMPS

Rating:
- 300 Amps CO_2 @ 100% duty cycle
- 250 Amps mixed gas @ 100% duty cycle
- Wire capacity: 0.030" - 0.062"

350 AMPS

Rating:
- 350 Amps CO_2 @ 100% duty cycle
- 250 Amps mixed gas @ 100% duty cycle
- Wire capacity: 0.030" – 0.062"

400 AMPS

Rating:
- 400 Amps CO_2 @ 100% duty cycle
- 300 Amps mixed gas @ 100% duty cycle
- Wire capacity: 0.035" - 5/64"



Model No.	Mfg. No.	Feeder Plug	Price /Each
200 AMPS			
379-4395	B2-4215A	Bernard DP	
379-1101	B2-4215AM	Miller DP	
379-4510	B2-4215AE	Euro DP	
379-4201	B2-4215AL	Lincoln DP	
TTT009	B2-4215AWM	Lincoln Wirematic	
TTT010	B2-4215AT	Tweco DP	
300 AMPS			
NT172	B2-4315A	Bernard DP	
NT174	B2-4315AM	Miller DP	
NT173	B2-4315AE	Euro DP	
NT204	B2-4315AL	Lincoln DP	
TTT011	B2-4315AWM	Lincoln WM 250	
NT175	B2-4315AT	Tweco DP	

Model No.	Mfg. No.	Feeder Plug	Price /Each
350 AMPS			
379-4570	B2-43515A	Bernard DP	
379-1113	B2-43515AM	Miller DP	
TTT012	B2-43515AE	Euro DP	
379-4223	B2-43515AL	Lincoln DP	
TTT013	B2-43515AWM	Lincoln Wirematic	
379-4920	B2-43515AT	Tweco DP	
400 AMPS			
TW978	B2-4415A	Bernard DP	
TW983	B2-4415AM	Miller DP	
TW979	B2-4415AE	Euro DP	
TW981	B2-4415AL	Lincoln DP	
TW984	B2-4415AT	Tweco DP	

BERNARD® WELD-MATE

Contact Tip



Long Contact Tip



BERNARD® STYLE CONSUMABLES

Model No.	Mfg. No.	Description	Size"	200 Amps	300 Amps	350 Amps	400 Amps	Price /Each
NT183	B7497	Contact Tip	0.023	X	X	X		
NT179	B7488	Contact Tip	0.030	X	X	X		
NT180	B7489	Contact Tip	0.035	X	X	X	X	
PB052	B7496	Contact Tip	0.040	X	X	X	X	
NT181	B7490	Contact Tip	0.045	X	X	X	X	
PB054	B7498	Contact Tip	0.052	X	X	X	X	
NT182	B7491	Contact Tip	1/16	X	X	X	X	
PB048	B7492	Contact Tip	5/64				X	
PB050	B7494	Contact Tip	7/64				X	
PB043	B1597	Contact Tip, Long	0.023	X	X	X		
TW993	B1589	Contact Tip, Long	0.035	X	X	X	X	
PB042	B1596	Contact Tip, Long	0.040	X	X	X	X	
TW994	B1590	Contact Tip, Long	0.045	X	X	X	X	
PB044	B1598	Contact Tip, Long	0.052	X	X	X	X	
TW995	B1591	Contact Tip, Long	1/16	X	X	X	X	
TW996	B1592	Contact Tip, Long	5/64				X	
TW997	B1593	Contact Tip, Long	3/32				X	
TW998	B1594	Contact Tip, Long	7/64				X	
379-1124	B4281	Contact Tip, Tapered	0.035	X	X	X		
TTT133	B4282	Contact Tip, Tapered	0.045	X	X	X		
TTT134	B4283	Contact Tip, Tapered	0.052	X	X	X		
TTT132	B4280	Contact Tip, Tapered	1/16	X	X	X		

Note: All reference to genuine manufacturer's equipment numbers and/or trade names or trademarks are for identification and convenience only. The trademarks and trade names are the property of their respective owners.

Continued on next page

BERNARD® STYLE CONSUMABLES

Continued from previous page



Nozzles



Gas Diffusers







Trigger Assembly



Liner Assembly

Model No.	Mfg. No.	Description	Size"	200 Amps	300 Amps	350 Amps	400 Amps	Price /Each
PB063	B4491	Nozzle, Brass, Standard	3/4 I.D.			X	X	
PB064	B4591	Nozzle, Brass	3/4 I.D.			X		
NT177	B4391	Nozzle, Brass	5/8 I.D.	X	X			
NT178	B4393	Nozzle, Copper	5/8 I.D.	X	X			
BZ934	B4392	Nozzle, Brass, Standard	1/2 I.D.	X	X			
379-4224	B4394	Nozzle, Copper	1/2 I.D.	X	X			
PB059	B4492	Nozzle, Brass	9/16 I.D.			X	X	
PB060	B4592	Nozzle, Copper	9/16 I.D.			X	X	
379-1125	B4295	Nozzle, Brass	11/32 I.D.	X	X			
NT176	B4335	Head Assembly, Standard		X	X			
PB057	B4435	Head Assembly, Standard				X	X	
379-1231	B7126	O-Ring		X	X			
379-1232	B7127	O-Ring				X	X	
379-1140	B4323R	Silicone Cap, Standard		X	X			
379-1186	B4423R	Silicone Cap, Standard				X	X	
379-1223	B4786	Body Tube Assembly		X	X			
TTT137	B4790	Body Tube Assembly				X	X	
379-1222	B4780	Insulator Hex Nut		X	X	X	X	
379-1225	B5662	Trigger Assembly		X	X	X		
379-1178	B4422	Trigger Assembly					X	
379-1127	B43015	Liner Assembly, 15'	0.023 - 0.030	X	X			
379-1135	B43115	Liner Assembly, 15', Standard	0.035 - 0.045	X	X			
379-1139	B43215	Liner Assembly, 15'	0.045 - 0.062	X	X			
379-5840	B43115X	Liner Assembly, Teflon®, 15'	0.035 - 3/64	X	X	X		
379-1170	B44115	Liner Assembly, 15'	0.035 - 0.045			X	X	
379-1175	B44215	Liner Assembly, 15'	0.045 - 0.062			X	X	
379-1188	B44315	Liner Assembly, 15'	5/64				X	

MILLER® STYLE REPLACEMENT AIR-COOLED MIG GUNS

- Guns are complete with 15' cable length

250 AMPS

Rating:

- 250 Amps CO_2 @ 100% duty cycle
- 250 Amps mixed gas @ 60% duty cycle
- Wire capacity: 0.030" – 0.045"





379-M169-715



379-1050

GUNS

Model No.	Mfg. No.	Amps	Feeder Plug	Price /Each
NT206	M169-598	250	Miller DP	

CONSUMABLES

Model No.	Mfg. No.	Description	Size"	150 Amps	250 Amps	Price /Each
NT168	M087-299	Contact Tip	0.023	X	X	
NT165	M000-067	Contact Tip	0.030	X	X	
NT166	M000-068	Contact Tip	0.035	X	X	
NT167	M000-069	Contact Tip	0.045	X	X	
379-M169-715	M169-715	Nozzle	1/2	X		
NT169	M169-724	Nozzle, 1/8" Tip Recess	1/2		X	
NT170	M169-725	Nozzle, 1/8" Tip Recess	5/8		X	
379-1050	M169-726	Nozzle, Flush	5/8		X	
TTT177	M169-727	Nozzle, 1/8" Tip Stickout	5/8		X	
379-1055	M169-729	Nozzle Retainer			X	
TTT178	M170-467	Replacement Retaining Ring		X		
TTT179	M170-468	Replacement O-Ring			X	
TTT180	M169-716	Retaining Head		X		
TTT181	M170-470	Replacement Retaining Ring		X		
TTT182	M170-471	Replacement O-Ring		X		
TTT183	M169-717	Shock Washer		X		
TTT184	M169-730	Shock Washer			X	
TTT185	M169-718	Gooseneck, 45°		X		
TTT186	M169-731	Gooseneck, 45°			X	
NT171	M169-728	Gas Diffuser			X	
TTT188	M194-010	Liner Conduit, 15'	0.023 - 0.025	X	X	
TTT189	M194-011	Liner Conduit, 15'	0.030 - 0.035	X	X	
TTT190	M194-012	Liner Conduit, 15'	0.035 - 0.045	X	X	
TTT191	M194-014	Liner Conduit, 15', Aluminum	0.035 - 3/64		X	

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MIG GUNS & ACCESSORIES

TWECO® STYLE REPLACEMENT AIR-COOLED MIG GUNS

- Guns are complete with 15' cable length

160 AMPS

Rating:
- 160 Amps CO_2 @ 80% duty cycle
- 100 Amps mixed gas @ 80% duty cycle
- Wire capacity: 0.023" - 0.045"

200 AMPS

Rating:
- 200 Amps CO_2 @ 100% duty cycle
- 150 Amps mixed gas @ 100% duty cycle
- Wire capacity: 0.023" - 0.045"

300 AMPS

Rating:
- 300 Amps CO_2 @ 100% duty cycle
- 200 Amps mixed gas @ 100% duty cycle
- Wire capacity: 0.030" - 0.062"

400 AMPS

Rating:
- 400 Amps CO_2 @ 100% duty cycle
- 300 Amps mixed gas @ 100% duty cycle
- Wire capacity: 0.030" - 5/64"

MIG GUN



CONSUMABLES



379-1265



379-1570



379-1455



379-1488

GUNS

Model No.	Mfg. No.	Feeder Plug	Price /Each
160 AMPS			
TTT029	C35-15	No Gun Plug	
TTT030	CC35-15	Century DP	
TTT031	CL35-15	Lincoln SP100-185 DP	
TTT032	CWM35-15	Lincoln Wirematic	
TTT033	CSP35-15	Lincoln SP150/200DP	
TTT034	CM35-15	Miller DP	
TTT035	CT35-15	Tweco DP	
TTT036	CX35-15	Euro DP	
200 AMPS			
TTT037	C215-3035	Tweco Plug	
TTT038	CM215-3035	Miller DP	
TTT039	CL215-3035	Lincoln "LN" DP	
TTT040	CLPM215-3035	Lincoln Power MIG	
TTT042	CX215-3035	Euro DP	
300 AMPS			
NT189	C315-3545	Tweco Plug	
NT192	CM315-3545	Miller DP	
NT207	CL315-3545	Lincoln "LN" DP	
NT208	CH315-3545	Hobart DP	
NT209	CX315-3545	Euro DP	
400 AMPS			
379-1590	C415-3545	Tweco Plug	
379-1680	CM415-3545	Miller DP	
TTT043	CL415-3545	Lincoln "LN" DP	
TTT044	CH415-3545	Hobart DP	
TTT045	CX415-3545	Euro DP	

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CONSUMABLES

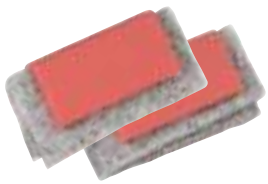
Model No.	Mfg. No.	Description	Size"	Price /Each
160 AMPS				
379-1265	C11-23	Contact Tip	0.023	
379-1270	C11-30	Contact Tip	0.030	
379-1275	C11-35	Contact Tip, Standard	0.035	
TTT224	C11-40	Contact Tip	0.040	
379-1280	C11-45	Contact Tip	0.045	
379-1285	C11H-35	Contact Tip, Heavy-Duty	0.035	
TTT227	C11H-45	Contact Tip, Heavy-Duty	0.045	
379-4209	C11T-23	Contact Tip, Tapered	0.023	
TTT228	C11T-30	Contact Tip, Tapered	0.030	
TTT229	C11T-35	Contact Tip, Tapered	0.035	
TTT230	C11T-40	Contact Tip, Tapered	0.040	
TTT231	C11T-45	Contact Tip, Tapered	0.045	
379-1455	C21-50	Nozzle, Standard	1/2 I.D.	
TTT232	C21-50-F	Nozzle, Flush	1/2 I.D.	
379-1460	C21-62	Nozzle	5/8 I.D.	
TTT233	C21-62-F	Nozzle, Flush	5/8 I.D.	
379-1445	C21-37	Nozzle	3/8 I.D.	
TTT234	C21-37-F	Nozzle, Flush	3/8 I.D.	
379-1465	C21T-37	Nozzle Tapered	3/8 I.D.	
TTT235	C21T-37-F	Nozzle Tapered, Flush	3/8 I.D.	
379-1570	C35-50	Gas Diffuser, Standard		
TTT236	C35-60-45	Conductor Tube, 45°		
TTT237	C35-60-60	Conductor Tube, 60°, Standard		
TTT238	C35-60-180	Conductor Tube, 180°		
379-1488	C23-40-15	Liner Assembly, 15'	0.023	
379-1569	C35-40-15	Liner Assembly, 15', Standard	0.035	
TTT239	C45-40-15	Liner Assembly, 15'	0.045	
TTT240	C35TF-40-10	Liner Assembly, Teflon® 10'	0.035	
TTT241	C35TF-40-15	Liner Assembly, Teflon® 15'	0.035	
TTT242	C45TF-40-10	Liner Assembly, Teflon® 10'	0.045	
TTT243	C45TF-40-15	Liner Assembly, Teflon® 15'	0.045	

Continued on next page

MIG WIRE CLEANING PADS

- Designed for use on all MIG wire feeders
- Removes dust and dirt from the wire prior to wire entry into the liner conduit
- Use of wire feed pads can decrease the coefficient of friction in the liner as much as 50%-60% and reduce erratic feed and burn backs
- Treated pads can be used on all alloyed wires except aluminum
- **Sold per package**

Model No.	Qty/Pkg.	Price/Each
720-1000-KIT	6	
720-1010-KIT	24	



TWECO® CONSUMABLES

CONTINUED FROM PREVIOUS PAGE

Model No.	Mfg. No.	Description	Size"	200 Amps	300 Amps	400 Amps	Price /Each
200, 300 & 400 AMPS							
NP602	C14-23	Contact Tip	0.023	X			
NP603	C14-30	Contact Tip	0.030	X	X		
NP604	C14-35	Contact Tip, Standard	0.035	X	X	X	
NP605	C14-40	Contact Tip	0.040	X	X	X	
NP606	C14-45	Contact Tip	0.045	X	X	X	
NP608	C14A-364	Contact Tip, Aluminum	3/64	X	X	X	
NP607	C14-52	Contact Tip	0.052		X	X	
NP601	C14-116	Contact Tip	1/16		X	X	
TTT244	C14-564	Contact Tip	5/64			X	
NP611	C14H-35	Contact Tip, Heavy-Duty	0.035	X	X	X	
NP612	C14H-40	Contact Tip, Heavy-Duty	0.040	X	X	X	
NP613	C14H-45	Contact Tip, Heavy-Duty	0.045	X	X	X	
NP609	C14AH-364	Contact Tip, Heavy-Duty, Aluminium	3/64	X	X	X	
NP614	C14H-52	Contact Tip, Heavy-Duty	0.052		X	X	
NP610	C14H-116	Contact Tip, Heavy-Duty	1/16		X	X	
NP615	C14H-564	Contact Tip, Heavy-Duty	5/64			X	
TTT245	C14T-23	Contact Tip, Tapered	0.023	X			
TTT246	C14T-30	Contact Tip, Tapered	0.030	X	X		
379-1395	C14T-35	Contact Tip, Tapered	0.035	X	X	X	
TTT247	C14T-40	Contact Tip, Tapered	0.040	X	X	X	
379-1400	C14T-45	Contact Tip, Tapered	0.045	X	X	X	
TTT248	C14T-52	Contact Tip, Tapered	0.052		X	X	
TTT249	C14T-116	Contact Tip, Tapered	1/16			X	
379-1475	C22-50	Nozzle, Adjustable, Standard	1/2 I.D.	X			
379-1480	C22-62	Nozzle, Adjustable	5/8 I.D.	X			
NP621	C24A-50	Nozzle, Adjustable	1/2 I.D.		X	X	
NP622	C24A-62	Nozzle, Adjustable, Standard	5/8 I.D.		X	X	
NP623	C24A-75	Nozzle, Adjustable	3/4 I.D.		X	X	
TTT250	C22-37-SS	Nozzle, Short Stop	3/8 I.D.	X			
379-4960	C22-50-SS	Nozzle, Short Stop	1/2 I.D.	X			
TTT251	C22-62-SS	Nozzle, Short Stop	5/8 I.D.	X			
NP620	C24A-37-SS	Nozzle, Short Stop	3/8 I.D.		X	X	
NP697	C24A-50-SS	Nozzle, Short Stop	1/2 I.D.		X	X	
NP698	C24A-62-SS	Nozzle, Short Stop	5/8 I.D.		X	X	
NP699	C24A-75-SS	Nozzle, Short Stop	3/4 I.D.		X	X	
379-1485	C22T-37-SS	Nozzle, Tapered, Short Stop	3/8 I.D.	X			
NP700	C24AT-37-SS	Nozzle, Tapered, Short Stop	3/8 I.D.		X	X	
NP616	C23-37	Nozzle, Self Insulated	3/8 I.D.	X	X	X	
NP617	C23-50	Nozzle, Self Insulated	1/2 I.D.	X	X	X	
NP618	C23-62	Nozzle, Self Insulated	5/8 I.D.	X	X	X	
TTT252	C23-75	Nozzle, Self Insulated	3/4 I.D.		X	X	
379-1500	C23T-37	Nozzle, Self Insulated, Tapered	3/8 I.D.	X	X	X	
NP624	C24CT-37-S	Nozzle, Coarse Thread	3/8 I.D.	X	X	X	
NP625	C24CT-50-S	Nozzle, Coarse Thread	1/2 I.D.	X	X	X	
NP626	C24CT-62-S	Nozzle, Coarse Thread	5/8 I.D.	X	X	X	
NP627	C24CT-75-S	Nozzle, Coarse Thread	3/4 I.D.		X	X	
NP629	C34CT	Nozzle Insulator, Fixed Nozzle		X	X	X	
379-1550	C32	Nozzle Insulator, Standard		X			
NP628	C34A	Nozzle Insulator, Standard			X	X	
379-1630	C52	Gas Diffuser, Standard		X			
NT191	C54A	Gas Diffuser, Standard			X	X	
379-1635	C52FN	Gas Diffuser for Fixed Nozzle		X			
379-1595	C42-3035-15	Liner Assembly, 15', Standard	0.030 - 0.035	X			
NP631	C44-3545-15	Liner Assembly, 15', Standard	0.035 - 0.045		X	X	
379-1600	C42-4045-15	Liner Assembly, 15'	0.040 - 0.045	X			
NP630	C44-116-15	Liner Assembly, 15'	0.062		X	X	
NP706	C44-564-15	Liner Assembly, 15'	5/64			X	
TTT267	C42-3035-25	Liner Assembly, 25'	0.030 - 0.035	X			
TTT268	C42-4045-25	Liner Assembly, 25'	0.040 - 0.045	X			
379-1618	C44-3545-25	Liner Assembly, 25'	0.035 - 0.045		X	X	
379-1610	C44-116-25	Liner Assembly, 25'	0.062		X	X	
TTT269	C44-564-25	Liner Assembly, 25'	5/64			X	
379-7010	C42N-3545-15	Liner Assembly, Nylon, 15'	0.035 - 0.045	X			
NP633	C44N-3545-15	Liner Assembly, Nylon, 15'	0.035 - 0.045		X	X	
NP632	C44N-116-15	Liner Assembly, Nylon, 15'	0.062		X	X	



NP611



379-1400



379-1500



379-1635



379-1600

Note: All reference to genuine manufacturer's equipment numbers and/or trade names or trademarks are for identification and convenience only. The trademarks and trade names are the property of their respective owners.

TIG TORCHES & ACCESSORIES



Innovative "WP" silicone rubber insulated TIG welding torches

AIR (GAS) COOLED TORCHES

WP-24

Small, Lightweight

- Ideal for intricate work
- Reaches into tight places
- Handle mounted gas control valve
- Feather weight, but well balanced and durable
- Torch body head: 60° angle
- Torch length: 7 1/2"
- Max capacity: 80 A
- Handle style: Ribbed



366-4669

WP-9

Versatile, Lightweight for Thin Gauge Materials

- Quick-release tungsten adjustment
- Torch body head: 70° angle
- Torch length: 7"
- Max capacity: 125 A
- Handle style: Ribbed

Description	Amps	Max. Angle	Gas Valve	Power Cable	Accessory Kit**
WP-24 TORCH BODY					
W/insulating gasket	80	60°	No	-	AK-5
W/insulating gasket and flexible head	80	60°	No	-	AK-5
W/insulating gasket, gas valve and flexible head	80	60°	Slide	-	AK-5
WP-24 TORCH PACKAGES - TORCH BODY, HANDLE, 25' POWER CABLE					
W/insulating gasket	80	60°	No	1-Piece Rubber Jacketed	AK-5
W/insulating gasket and flexible head	80	60°	No	1-Piece Rubber Jacketed	AK-5
W/insulating gasket, gas valve and flexible head	80	60°	Slide	1-Piece Rubber Jacketed	AK-5
WP-9 TORCH BODY					
W/cup gasket	125	70°	No	-	AK-1
W/cup gasket and gas valve	125	70°	Knob & Stem	-	AK-1
W/cup gasket and flexible head	125	70°	No	-	AK-1
W/cup gasket, gas valve and flexible head	125	70°	Knob & Stem	-	AK-1
WP-9 TORCH PACKAGES - TORCH BODY, HANDLE, MEDIUM BACK CAP, 25' POWER CABLE					
W/cup gasket	125	70°	No	1-Piece Rubber Jacketed	AK-1
W/cup gasket and gas valve	125	70°	Knob & Stem	1-Piece Rubber Jacketed	AK-1
W/cup gasket and flexible head	125	70°	No	1-Piece Rubber Jacketed	AK-1
W/cup gasket, gas valve and flexible head	125	70°	Knob & Stem	1-Piece Rubber Jacketed	AK-1
WP-17 TORCH BODY					
W/cup gasket	150	70°	No	-	AK-2
W/cup gasket and gas valve	150	70°	Knob & Stem	-	AK-2
W/cup gasket and flexible head	150	70°	No	-	AK-2
W/cup gasket, gas valve and flexible head	150	70°	Knob & Stem	-	AK-2
WP-17 TORCH PACKAGES - TORCH BODY, LONG BACK CAP, HANDLE, 25' POWER CABLE					
W/cup gasket	150	70°	No	2-Piece	AK-2
W/cup gasket and gas valve	150	70°	Knob & Stem	2-Piece	AK-2
W/cup gasket	150	70°	No	1-Piece Rubber Jacketed	AK-2
W/cup gasket and gas valve	150	70°	Knob & Stem	1-Piece Rubber Jacketed	AK-2
W/cup gasket and flexible head	150	70°	No	1-Piece Rubber Jacketed	AK-2
W/cup gasket, gas valve and flexible head	150	70°	Knob & Stem	1-Piece Rubber Jacketed	AK-2
WP-26 TORCH BODY					
W/cup gasket	200	70°	No	-	AK-3
W/cup gasket and gas valve	200	70°	Knob & Stem	-	AK-3
W/cup gasket and flexible head	200	70°	No	-	AK-3
W/cup gasket, gas valve and flexible head	200	70°	Knob & Stem	-	AK-3
WP-26 TORCH PACKAGES - TORCH BODY, LONG BACK CAP, HANDLE, 25' POWER CABLE					
W/cup gasket	200	70°	No	2-Piece	AK-3
W/cup gasket and gas valve	200	70°	Knob & Stem	2-Piece	AK-3
W/cup gasket	200	70°	No	1-Piece Rubber Jacketed	AK-3
W/cup gasket and gas valve	200	70°	Knob & Stem	1-Piece Rubber Jacketed	AK-3
W/cup gasket and flexible head	200	70°	No	1-Piece Rubber Jacketed	AK-3
W/cup gasket, gas valve and flexible head	200	70°	Knob & Stem	1-Piece Rubber Jacketed	AK-3

** See page 1118 for accessory kits

WP-17

High Capacity for Thin to Medium Gauge Materials

- Compact and durable for field welding applications
- Ribbed handle for comfort and cool operation
- Finger tip gas control valve on WP-17V
- Torch body head: 70° angle
- Torch length: 7 3/4"
- Max capacity: 150 A
- Handle style: Ribbed



WP-17

WP-26

Maximum Capacity for Continuous Heavy-Duty Use

- Heavy copper construction for rugged field work
- Torch body head: 70° angle
- Torch length: 8 1/2"
- Max capacity: 200 A
- Handle style: Ribbed



WP-26

WELDCRAFT®

WELD-MATE

C-K WORLDWIDE

Model No.	Weldcraft Mfg. No.	Price /Each	Model No.	Weldmate Mfg. No.	Price /Each	Model No.	C-K Mfg. No.	Price /Each
366-4669	WP-24					**820-1590**	CK80	
TTT271	WP-24F					**820-1615**	CK90	
TTT272	WP-24FV					**820-2070**	CK90V	
TTT273*	WP-24-25-R							
TTT275*	WP-24F-25-R		**363-1945**	VT-9F-25-R				
TTT276*	WP-24FV-25-R		**363-1970**	VT-9FV-25-R				
366-4249	WP-9							
366-4378	WP-9V					**820-2205**	CK130V	
366-4278	WP-9F							
366-4300	WP-9FV							
366-4402*	WP-9-25-R					**820-2270**	CK1325H RG	
366-4399*	WP-9V-25-R					**820-2105**	CK1325VH RG	
TTT277*	WP-9F-25-R							
366-4324*	WP-9FV-25-R					**820-2090**	CK1325VH FX	
366-4438	WP-17					**820-1115**	CK150 RG	
366-4513	WP-17V					**820-1125**	CK150V RG	
366-4462	WP-17F					**820-1110**	CK150 FX	
366-4486	WP-17FV					**820-1120**	CK150V FX	
NP473	WP-17-25-2							
NP474	WP-17V-25-2					**820-1200**	CK1525VN RG	
366-4459*	WP-17-25-R					**820-1165**	CK1525H RG	
366-4540*	WP-17V-25-R					**820-1185**	CK1525VH RG	
366-4483*	WP-17F-25-R							
366-4510*	WP-17FV-25-R					**820-1180**	CK1525VH FX	
366-4744	WP-26		**363-1280**	VT-26		**820-1280**	CK210-R / CK26 RG	
366-4822	WP-26V		**363-1640**	VT-26V		**820-1290**	CK210V-R / CK26V RG	
366-4774	WP-26F		**363-2025**	VT-26F		**820-1275**	CK210-F / CK26 FX	
366-4795	WP-26FV		**363-2050**	VT-26FV		**820-1285**	CK210V-F / CK26V FX	
			363-1220	VT-26-25-2				
NP476	WP-26V-25-2		**363-1455**	VT-26V-25-2				
366-4765*	WP-26-25-R		**363-1435**	VT-26-25-R		**820-1355**	CK2125H-R / CK26-25-R RG	
366-4843*	WP-26V-25-R		**363-1460**	VT-26V-25-R		**820-1390**	CK2125VH-R / CK26V-25-R RG	
366-4792*	WP-26F-25-R		**363-2045**	VT-26F-25-RFX		**820-1350**	CK2125H-F / CK26-25-R FX	
366-4819*	WP-26FV-25-R		**363-2070**	VT-26V-25-RFX		**820-1380**	CK2125VH-F / CK26-25-R FX	

* Power cable adapter must be ordered separately

TIG TORCHES & ACCESSORIES

WATER COOLED

- Require cooling water flow of one quart per minute at a maximum of 50 PSI pressure

WP-24W

Small Torch

- Ideal for cramped locations
- Fits through narrow openings yet excellent capacity
- Extremely light and well balanced
- Water cooling requirements: 1 quart per minute at maximum of 50 PSI pressure
- Torch body head: 70° angle
- Torch length: 7 1/2"
- Max capacity: 180 amps
- Handle style: Textured



WP-24W

WP-20

Lightweight, Small Durable

- Compact and well-balanced for general duty use
- Efficient around-the-head cooling for trouble free performance and long life
- Water cooling requirements: 1 quart per minute at maximum of 50 PSI pressure
- Torch body head: 70° angle
- Torch length: 7"
- Max capacity: 250 amps
- Handle style: Textured



WP-20

Description	Amps	Max. Angle	Gas Valve	Power Cable	Accessory Kit **
WP-24W TORCH BODY					
W/insulating gasket	180	70°	No	-	-
WP-24W TORCH PACKAGES - TORCH BODY, HANDLE, 25' POWER CABLE & HOSES					
W/insulating gasket	180	70°	No		-
W/insulating gasket	180	70°	No	1-Piece Rubber Jacketed	-
WP-20 TORCH BODY					
W/cup gasket	250	70°	No	-	AK-4
W/cup gasket and gas valve	250	70°	Knob & Stem	-	AK-4
WP-20 TORCH PACKAGES - TORCH BODY, MEDIUM BACK CAP, HANDLE, 25' POWER CABLE & HOSES					
W/cup gasket	250	70°	No	3-Piece Vinyl	AK-4
W/cup gasket and gas valve	250	70°	Knob & Stem	3-Piece Vinyl	AK-4
W/cup gasket	250	70°	No	1-Piece Rubber Jacketed	AK-4
WP-18 TORCH BODY					
W/cup gasket	350	70°	No	-	AK-3
W/cup gasket and gas valve	350	70°	Knob & Stem	-	AK-3
WP-18 TORCH PACKAGES - TORCH BODY, LONG BACK CAP, 25' POWER CABLE & HOSES					
W/cup gasket	350	70°	No	3-Piece Vinyl	AK-3
W/cup gasket and gas valve	350	70°	Knob & Stem	3-Piece Vinyl	AK-3
W/cup gasket	350	70°	No	1-Piece Rubber Jacketed	AK-3
W/cup gasket and gas valve	350	70°	Knob & Stem	1-Piece Rubber Jacketed	AK-3
WP-12 TORCH BODY					
W/nozzle gasket	500	70°	No	-	-
WP-12 TORCH PACKAGES - TORCH BODY, LONG BACK CAP, 25' POWER CABLE & HOSE ASSEMBLY IN RUBBER SHEATH					
W/nozzle gasket	500	70°	No	Rubber	-

** See page 1118 for accessory kits

WP-18

Work Horse for Continuous Duty

- Heavy-duty rugged production torch for continuous duty to 350 amps
- Water cooling requirements: 1 quart per minute at maximum of 50 PSI pressure
- Built-in fingertip gas control valve available on WP-18V models
- Torch body head: 70° angle
- Torch length: 9 1/4"
- Max capacity: 350 amps
- Handle style: Textured

WP-12

Totally Sealed Water Chamber with Heavy Duty Components

- Heavy-duty performer with a unique water cooling design
- Heavy-duty collets, collet bodies and gas lens
- Water cooling requirements: 1.5 - 2 quarts per minute at maximum of 50 PSI pressure
- Torch body head: 70° angle
- Torch length: 11 1/2"
- Max capacity: 500 amps
- Handle style: Smooth



WP-18

WELDCRAFT

WELD-MATE

C-K WORLDWIDE

Model No.	Weldcraft Mfg. No.	Price /Each	Model No.	Weldmate Mfg. No.	Price /Each	Model No.	C-K Mfg. No.	Price /Each
366-4726	WP-24W							
366-4732*	WP-24W-25							
TTT278*	WP-24W-25-R							
366-4597	WP-20					**820-1260**	CK200	
TTT279	WP-20V					**820-1265**	CK200V	
NP477	WP-20-25					**820-1405**	CK225	
NP478	WP-20V-25					**820-1420**	CK225V	
366-4610*	WP-20-25-R					**818-1471**	CK225SF	
366-4543	WP-18		**363-1285**	VT-18		**820-1505**	CK300	
366-4585	WP-18V					**820-1510**	CK300V	
NP479	WP-18-25					**820-1530**	CK325	
NP480	WP-18V-25					**820-1545**	CK325V	
TTT281*	WP-18-25-R							
TTT282*	WP-18V-25-R					**TTU659**	CK325VSF	
366-4405	WP-12							
366-4414*	WP-12-25							

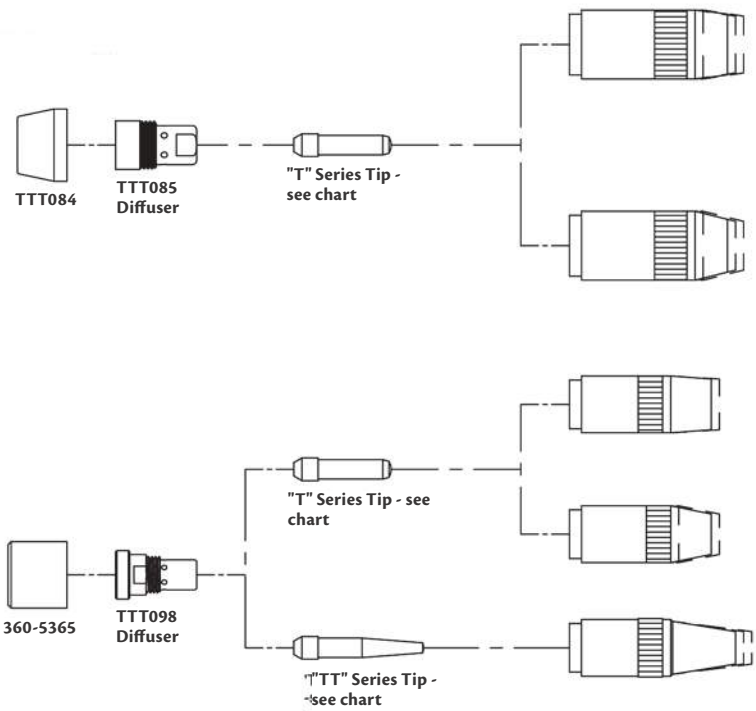
* Power cable adapter must be ordered separately

CENTERFIRE™ SERIES NOZZLES, TIPS & DIFFUSERS

- No tools required to replace tip or nozzle
- "Drop-In" tip with no threads means quick change after burnback, reducing down time
- Large diameter tip base and tapered seat provide better electrical conductivity and heat transfer
- Spatter shield within nozzle protects diffuser and gives smoother, less turbulent gas flow
- Solid, concentric relationship between tip and nozzle keeps tip centered even after hard use... and abuse
- Threaded nozzle holds tip fixed at 1/8" or 1/4" recess, flush, or 1/8" stick out
- Compatible with all standard air-cooled Bernard® guns
- Complete family of tips and nozzles is available to meet most of your welding needs

BERNARD®

CENTERFIRE™ SERIES



TTU273 **Copper Nozzle** (3/4" I.D., Flush Tip)
TTU037 **Copper Nozzle** (3/4" I.D., 1/8" Tip Recess)
TTT092 **Copper Nozzle** (3/4" I.D., 1/4" Tip Recess)
TTT093 **Brass Nozzle** (3/4" I.D., 1/8" Tip Recess)
TTT094 **Brass Nozzle** (3/4" I.D., 1/4" Tip Recess)

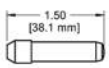
TTU274 **Copper Nozzle** (5/8" I.D., Flush Tip)
TTU038 **Copper Nozzle** (5/8" I.D., 1/8" Tip Recess)
TTT095 **Copper Nozzle** (5/8" I.D., 1/4" Tip Recess)
TTT096 **Brass Nozzle** (5/8" I.D., 1/8" Tip Recess)

TTT097 **Brass Nozzle** (5/8" I.D., 1/4" Tip Recess)
TTT104 **Brass Nozzle** (5/8" I.D., 1/8" Tip Recess)

TTT106 **Brass Nozzle** (1/2" I.D., Flush Tip)
TTT105 **Brass Nozzle** (1/2" I.D., 1/8" Tip Recess)

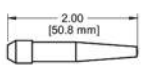
TTU275 **Brass Nozzle** (3/8" I.D., Flush Tip)
TTT107 **Brass Nozzle** (3/8" I.D., 1/8" Tip Recess)
TTU276 **Brass Nozzle** (3/8" I.D., 1/8" Tip Extension)

T SERIES

"T" Series Tip 

Model No.	Mfg. No.	Description	Wire Size"	Price /Each
DIFFUSERS				
TTT084	10012	Insulator Cap	-	
TTT085	D-1	Diffuser	-	
CONTACT TIPS				
TTT086	T-030	1.50" Long	0.030	
TTT087	T-035	1.50" Long	0.035	
TTT088	T-039	1.50" Long	0.039	
TTT089	T-045	1.50" Long	0.045	
TTT090	T-052	1.50" Long	0.052	
TTT091	T-062	1.50" Long	1/16	
NOZZLES				
TTU273	N-3400C	Copper, Flush Tip	3/4 I.D.	
TTU037	N-3418C	Copper, 1/8" Tip Recess	3/4 I.D.	
TTT092	N-3414C	Copper, 1/4" Tip Recess	3/4 I.D.	
TTT093	N-3418B	Brass, 1/8" Tip Recess	3/4 I.D.	
TTT094	N-3414B	Brass, 1/4" Tip Recess	3/4 I.D.	
TTU274	N-5800C	Copper, Flush Tip	5/8 I.D.	
TTU038	N-5818C	Copper, 1/8" Tip Recess	5/8 I.D.	
TTT095	N-5814C	Copper, 1/4" Tip Recess	5/8 I.D.	
TTT096	N-5818B	Brass, 1/8" Tip Recess	5/8 I.D.	
TTT097	N-5814B	Brass, 1/4" Tip Recess	5/8 I.D.	

TT SERIES

"TT" Series Tip 

Model No.	Mfg. No.	Description	Wire Size"	Price /Each
DIFFUSERS				
360-5365	4323R	Insulator Cap	-	
TTT098	DS-1	Diffuser	-	
CONTACT TIPS				
TTT099	TT-030	2.00" Long	0.030	
TTT100	TT-035	2.00" Long	0.035	
TTT101	TT-045	2.00" Long	0.045	
TTT102	TT-052	2.00" Long	0.052	
TTT103	TT-062	2.00" Long	1/16	
NOZZLES				
TTT104	NS-5818B	Brass, 1/8" Tip Recess	5/8 I.D.	
TTT106	NS-1200B	Brass, Flush Tip	1/2 I.D.	
TTT105	NS-1218B	Brass, 1/8" Tip Recess	1/2 I.D.	
TTU275	NST-3800B	Brass, Flush Tip	3/8 I.D.	
TTT107	NST-3818B	Brass, 1/8" Tip Recess	3/8 I.D.	
TTU276	NST-38XTB	Brass, 1/8" Tip Extension	3/8 I.D.	

FLEX-LOC™ TORCHES

- Flex-Loc™ series torch is a variable angle torch that locks into position within a 360° rotation
- Interchangeable heads allow different size tungsten and head sizes to be quickly and efficiently changed
- Ergonomically designed to help eliminate fatigue
- Great for applications requiring a unique angle yet allowing the user a rigid torch

Applications: Cup walking on pipe root welds, welds that require a mirror to access weldment, welds requiring different tungsten sizes.

Torch packages include: Body assembly, replaceable torch head (with heat shield and back cap) and cable assembly

AIR (GAS) COOLED TORCHES

- Gas-cooled models are available with or without gas control valve and have a Hi-Flex one-piece concentric cable assembly
- Length: 7 3/4" without valve; 8 1/2" with valve

WATER COOLED TORCHES

- Water cooled models are equipped with a Tri-Flex cable assembly
- Length: 7 3/4" without valve

821-1750





820-1905

821-1760





820-1920

Model No.	Mfg. No.	Cable Size'	Amps	Cable	Head Style	Price /Each
AIR-COOLED TORCHES WITHOUT VALVE						
820-1905	FL1312	12 1/2	130	1-Piece	FL2L	
TTT376	FL1325	25	130	1-Piece	FL2L	
820-1920	FL1512	12 1/2	150	1-Piece	FL3L	
820-1930	FL1525	25	150	1-Piece	FL3L	
WITH VALVE						
TTT379	FL1312V	12 1/2	130	1-Piece	FL2L	
820-1915	FL1325V	25	130	1-Piece	FL2L	
820-1925	FL1512V	12 1/2	150	1-Piece	FL3L	
820-1935	FL1525V	25	150	1-Piece	FL3L	
WATER-COOLED TORCHES WITHOUT VALVE						
820-1940	FL2312	12 1/2	230	Tri-Flex	FL2L	
820-1945	FL2325	25	230	Tri-Flex	FL2L	
820-2075	FL2512	12 1/2	250	Tri-Flex	FL3L	
820-1950	FL2525	25	250	Tri-Flex	FL3L	

TORCH HEAD SELECTOR CHART

Model No.	Mfg. No.	Amps Gas-Cooled	Amps Water-Cooled	Head Style	Price /Each
821-1750	FL2L	130	230	2 Series	
821-1760	FL3L	150	250	3 Series	

FLEX TORCHES

WELDCRAFT®

WATER-COOLED

- Modular design for easy low-cost repairs
- Tough copper head and coil assembly – runs cooler, lasts longer
- "Bellows" type boot for maximum flexibility
- Built-in restraining wire – resist leaking from coil and boot
- Built-in ball/stem gas control valve for greater control
- Ribbed handle for cool operation
- Heavy-duty, two-piece power cable for uninterrupted use
- Long neck option, **366-4735**, for extended reach requirements
- Maximum amperage is determined by torch assembly and head
- Vinyl for heavy duty use and reinforced neoprene hose for increased durability and flexibility
- Torch assembly includes: **366-1315** and **366-2998** heads, power cable, water hose, gas hose, and handle

TORCH PACKAGE ASSEMBLY

Model No.	Mfg. No.	Power Cable'	Power Cable	Water Hose	Gas Hose	Price /Each
366-7040	WP-225-12	12	45V03	45V07	45V09	
TTT283	WP-225-25	25	45V04	45V08	45V10	
TTT284	WP-225-12-HD	12, Vinyl	45V03HD	45V07HD	45V09	
TTT285	WP-225-25-HD	25, Vinyl	45V04HD	45V08HD	45V010	
TTT286	WP-225-12-R	12, Neoprene	45V03R	45V07R	45V09R	
366-7200	WP-225-25-R	25, Neoprene	45V04R	45V08R	45V010R	

TORCH PACKAGE ASSEMBLY

Model No.	Mfg. No.	Power Cable'	Power Cable	Water Hose	Gas Hose	Price /Each
TTT287	WP-25-12	12	45V03	45V07	45V09	
366-4741	WP-25-25	25	45V04	45V08	45V10	
TTT290	WP-25-12-R	12, Neoprene	45V03R	45V07R	45V09R	

FLEXIBLE TORCH BODY

Model No.	Mfg. No.	Max. Amps	Price /Each
FOR USE WITH INTERCHANGEABLE HEADS			
366-7000	WP-225	225	

LONG REACH FLEX-PENCIL TYPE TORCH BODY

Model No.	Mfg. No.	Max. Amps	Price /Each
366-4735	WP-25	200	

INTERCHANGEABLE HEADS



366-1315



TTT293



366-2998



TTT294



TTT295

Model No.	Mfg. No.	Max. Amps A/C*	Max. Amps W/C**	Head Angle°	Fits	Price /Each
366-1315	9-70	125	200	70	WP-9, WP-9V WP-20 WP-225	
TTT292	9P	125	200	180	WP-9, WP-9V WP-20 WP-225	
TTT293	24	80	160	70	WP-24, WP-24W WP-225	
366-2998	1726	150/200	225	70	WP-17, WP-17V WP-18, WP-18V, WP-26, WP-26V WP-225	
TTT294	1726P	150/200	225	180	WP-17, WP-17V WP-18, WP-18V, WP-26, WP-26V WP-225	
TTT295	24-90	80	160	90	WP-24, WP-24W WP-225	

* Air cooled
** Water cooled

LAVA NOZZLES (CERAMIC)

- Made from grade "A" lava materials
- Less shock-and heat-resistant than alumina nozzles
- Functions in confined areas where excessive heat is reflected back into the nozzle
- Ideal for general applications
- Packed 10 nozzles per box

Size	Orifice"	Fits Torch Series	Weldcraft Model No.	Weldcraft Mfg. No.	Weldcraft Price /Each	Weldmate Model No.	Weldmate Mfg. No.	Weldmate Price /Each	C-K Model No.	C-K Mfg. No.	C-K Price /Each
LAVA NOZZLES – 1 27/32" LENGTH											
4	1/4	WP-17, WP-17V,	**NP431**	105Z43					**818-2185**	3C4	
5	5/16	WP-18, WP-18V,	**366-2800**	105Z42					**818-2210**	3C5	
6	3/8	WP-26, WP-26V	**366-2806**	105Z44		**363-1355**	105Z44		**818-2230**	3C6	
7	7/16		**366-2809**	105Z45		**363-1360**	105Z45		**818-2240**	3C7	
8	1/2		**366-1000**	08N78		**363-1330**	08N78		**818-2250**	3C8	
10	5/8		**NP430**	08N79		**363-1335**	08N79		**818-2150**	3C10	
12	3/4		**TTT308**	08N80		**363-1340**	08N80		**TTT001**	3C12	
LAVA NOZZLES - 1 5/32" LENGTH											
4	1/4	WP-9, WP-9V,	**366-1609**	13N14					**818-1730**	2C4	
5	5/16	WP-20,	**366-1612**	13N15					**818-1755**	2C5	
6	3/8	WP-25,	**366-1615**	13N16					**818-1765**	2C6	
7	7/16		**NP440**	13N17					**818-1775**	2C7	
8	1/2		**NP441**	13N18					**818-1780**	2C8	
10	5/8		**366-1624**	13N19					**818-1695**	2C10	
LAVA NOZZLES – 5/8" LENGTH											
0.165	0.165	WP-24, WP-24W	**TTT309**	53N23							
4	1/4		**366-2368**	53N24					**818-2785**	8C4	
5	5/16		**366-2371**	53N25					**818-2800**	8C5	
6	3/8		**366-2377**	53N27					**818-2805**	8C6	
LAVA NOZZLES - 1 1/8" LENGTH											
4L	1/4	WP-24, WP-24W	**366-2380**	53N28					**818-2795**	8C4L	
6L	3/8		**366-2374**	53N26							
LONG LAVA NOZZLES – 3 7/32" LENGTH											
4L	1/4	WP-17, WP-17V,	**NP456**	12N03					**818-2205**	3C4L	
5L	5/16	WP-18, WP-18V,	**NP457**	105Z60					**818-2225**	3C5L	
6L	3/8	WP-26, WP-26V	**366-1576**	12N02					**818-2235**	3C6L	
7L	7/16		**NP459**	105Z61					**818-2245**	3C7L	
LONG LAVA NOZZLES – 1 7/8" LENGTH											
3L	3/16	WP-9, WP-9V,	**366-2941**	796F70					**818-1725**	2C3L	
4L	1/4	WP-20,	**366-2926**	796F71					**818-1750**	2C4L	
5L	5/16	WP-25	**366-2929**	796F72					**818-1760**	2C5L	
6L	3/8		**366-2932**	796F73					**818-1770**	2C6L	
LONG LAVA NOZZLES – 2 1/2" LENGTH											
3XL	3/16	WP-9, WP-9V,	**TTT310**	796F74							
4XL	1/4	WP-20, WP-25	**366-2938**	796F75							

Note: The nozzle indicates the orifice (I.D. of the outlet end) in 1/16ths of an inch. No. 4 = 1/4" I.D.



NP431



363-1330



818-1730



NP457



ALUMINA NOZZLES

- Made from high strength alumina materials
- Very good electrical insulating properties
- Exceptionally high impact resistance, heat resistance and thermal conductivity
- Recommended for most welding operations
- Resists splatter build-up
- Packed 10 nozzles per box

WELDCRAFT® | WELD-MATE | C-K WORLDWIDE

Size	Orifice"	Fits Torch Series	Model No.	Weldcraft Mfg. No.	Price /Each	Model No.	Weldmate Mfg. No.	Price /Each	Model No.	C-K Mfg. No.	Price /Each
ALUMINA NOZZLES – 1 27/32" LENGTH											
4	1/4	WP-17, WP-17V,	**366-1504**	10N50		**363-1000**	10N50		**818-2050**	3A4	
5	5/16	WP-18, WP-18V,	**NP396**	10N49		**363-1005**	10N49		**818-2060**	3A5	
6	3/8	WP-26, WP-26V	**366-1492**	10N48		**363-1010**	10N48		**818-2070**	3A6	
7	7/16		**366-1486**	10N47		**363-1015**	10N47		**818-2080**	3A7	
8	1/2		**366-1483**	10N46		**363-1020**	10N46		**818-2090**	3A8	
10	5/8		**366-1480**	10N45		**363-1025**	10N45		**818-2040**	3A10	
12	3/4		**366-1477**	10N44		**363-1030**	10N44		**818-2045**	3A12	
ALUMINA NOZZLES – 1 5/32" LENGTH											
4	1/4	WP-9, WP-9V,	**366-1591**	13N08		**363-1035**	13N08		**818-1615**	2A4	
5	5/16	WP-20,	**366-1594**	13N09		**363-1040**	13N09		**818-1625**	2A5	
6	3/8	WP-25	**366-1597**	13N10		**363-1045**	13N10		**818-1635**	2A6	
7	7/16		**366-1600**	13N11		**363-1050**	13N11		**818-1645**	2A7	
8	1/2		**366-1603**	13N12		**363-1055**	13N12		**818-1655**	2A8	
10	5/8		**366-1606**	13N13		**363-1060**	13N13		**818-1610**	2A10	
ALUMINA NOZZLES – 1 1/4" LENGTH											
4	1/4	WP-12	**TTT298**	14N57							
5	5/16		**TTT299**	14N58							
6	3/8		**366-1678**	14N59							
7	7/16		**366-1681**	14N60							
8	1/2		**366-1684**	14N61							
10	5/8		**366-1687**	14N61-10							
12	3/4		**366-1690**	14N61-12							
ALUMINA NOZZLES – 5/8" LENGTH											
4	1/4	WP-24, WP-24W	**TTT300**	A53N24							
5	5/16		**TTT301**	A53N25							
LONG ALUMINA NOZZLES – 3" LENGTH											
5L	5/16	WP-17, WP-17V,	**NP445**	10N49L					**818-3625**	3A5L	
6L	3/8	WP-18, WP-18V,	**NP446**	10N48L					**TTT004**	3A6L	
7L	7/16	WP-26, WP-26V	**366-1489**	10N47L					**TTT005**	3A7L	
ALUMINA GAS LENS NOZZLES – 1 5/8" LENGTH (ALSO ORDER INSULATOR)											
4	1/4	WP-17, WP-17V,	**366-2467**	54N18		**363-1815**	54N18		**818-2115**	3AG4	
5	5/16	WP-18, WP-18V,	**366-2461**	54N17		**363-1810**	54N17		**818-2120**	3AG5	
6	3/8	WP-26, WP-26V	**NP386**	54N16		**363-1805**	54N16		**818-2125**	3AG6	
7	7/16		**366-2449**	54N15		**363-1800**	54N15		**818-2130**	3AG7	
8	1/2		**366-2446**	54N14		**363-1795**	54N14		**818-2135**	3AG8	
ALUMINA GAS LENS NOZZLES – 1 1/8" LENGTH (ALSO ORDER INSULATOR)											
Short	11/16	WP-17, WP-17V WP-18, WP-18V WP-26, WP-26V	**TTT307**	54N19		**363-2080**	54N19		**818-2105**	3AG11	
ALUMINA GAS LENS NOZZLES – 1" LENGTH (ALSO ORDER INSULATOR)											
4	1/4	WP-9, WP-9V,	**366-2392**	53N58					**818-1665**	2AG4	
5	5/16	WP-20,	**NP390**	53N59		**363-1735**	53N59		**818-1670**	2AG5	
6	3/8	WP-24,	**NP391**	53N60		**363-1740**	53N60		**818-1675**	2AG6	
7	7/16	WP-25,	**366-2404**	53N61		**363-1745**	53N61		**818-1680**	2AG7	
ALUMINA GAS LENS NOZZLES – 1 7/8" LENGTH, LARGE DIAMETER GAS LENS (ALSO ORDER INSULATOR)											
10	5/8	WP-26, WP-26V,	**366-2434**	53N88		**363-1780**	53N88		**818-2100**	3AG10LD	
12	3/4	WP-12	**366-2431**	53N87		**363-1775**	53N87		**818-2110**	3AG12LD	
Short	15/16		**366-2437**	53N89		**363-1785**	53N89				



NP396



363-1035





ACCESSORIES AND SPARE PARTS

- Accessories, such as collets, collet bodies, different length back caps, gas lens collet bodies and nozzles, must be ordered to complete the torch package
- Accessories may be ordered in convenient accessory kits or separately as needed



TTT311



366-2473



366-1882



TTT322



TTT325



366-1627



TTT312



366-3484

WELDCRAFT®

WELD-MATE

C-K WORLDWIDE

Size"	Fits Torch Series	Model No.	Weldcraft Mfg. No.	Price /Each	Model No.	Weldmate Mfg. No.	Price /Each	Model No.	C-K Mfg. No.	Price /Each
COLLETS										
0.020	WP-9, WP-9V,	**366-1627**	13N20					**818-1710**	2C20	
0.040	WP-20,	**366-1633**	13N21		**363-1095**	13N21		**818-1735**	2C40	
1/16	WP-25	**366-1639**	13N22		**363-1100**	13N22		**818-1700**	2C116	
3/32		**NP413**	13N23		**363-1105**	13N23		**818-1715**	2C332	
1/8		**NP412**	13N24		**363-1110**	13N24		**818-1740**	2C418	
0.020	WP-17, WP-17V,							**818-2170**	3C20	
0.040	WP-18, WP-18V,	**366-1435**	10N22		**363-1070**	10N22		**818-2190**	3C40	
1/16	WP-26, WP-26V	**366-1441**	10N23		**363-1075**	10N23		**818-2155**	3C116	
3/32		**366-1447**	10N24		**363-1080**	10N24		**818-2175**	3C332	
1/8		**366-1453**	10N25		**363-1085**	10N25		**818-2195**	3C418	
5/32		**366-2473**	54N20		**363-1820**	54N20		**818-2215**	3C532	
0.020	WP-24, WP-24W	**TTT312**	53N15		**363-1705**	53N15		**TTT006**	8C20	
0.040		**TTT313**	53N16		**363-1710**	53N16		**818-8C40**	8C40	
1/16		**366-2338**	53N14		**363-1700**	53N14		**818-2770**	8C116	
3/32		**366-1882**	24C332					**818-2780**	8C332	
0.020	For Gas Lens	**TTT314**	53N62		**363-1755**	53N62		**TTT007**	8CG20	
0.040		**TTT315**	53N63		**363-1760**	53N63		**818-2845**	8CG40	
1/16		**TTT316**	53N64					**818-2835**	8CG116	
3/32		**366-1891**	24GLC332					**818-2840**	8CG332	
1/16	WP-12	**TTT317**	85Z14							
3/32		**TTT318**	85Z15							
1/8		**TTT319**	85Z16							
5/32		**366-2740**	85Z17							
3/16		**TTT320**	85Z18							
1/4		**TTT321**	85Z19							
COLLET BODIES										
0.020	WP-9, WP-9V,	**TTT322**	13N25					**818-1790**	2CB20	
0.040	WP-20,	**366-1660**	13N26		**363-1145**	13N26		**818-1800**	2CB40	
1/16	WP-25	**366-1663**	13N27		**363-1150**	13N27		**818-1785**	2CB116	
3/32		**NP406**	13N28		**363-1155**	13N28		**818-1795**	2CB332	
1/8		**366-1669**	13N29		**363-1160**	13N29		**818-1805**	2CB418	
0.020	WP-17, WP-17V,	**366-1465**	10N29		**363-1115**	10N29				
0.040	WP-18, WP-18V,	**NP400**	10N30		**363-1120**	10N30		**818-2270**	3CB40	
1/16	WP-26, WP-26V	**366-1471**	10N31		**363-1125**	10N31		**818-2255**	3CB116	
3/32		**366-1474**	10N32		**363-1130**	10N32		**818-2265**	3CB332	
1/8		**366-1462**	10N28		**363-1135**	10N28		**818-2275**	3CB1418	
5/32		**366-3484**	406488		**363-1465**	406488		**818-2280**	3CB532	
0.020	WP-24, WP-24W*	**TTT323**	53N17		**363-1715**	53N17		**818-3645**	8CB20	
0.040		**TTT324**	53N18		**363-1720**	53N18		**818-3650**	8CB40	
1/16		**366-2353**	53N19		**363-1725**	53N19		**818-2815**	8CB116	
3/32		**TTT325**	24CB332					**818-2825**	8CB332	
1/16 - 1/4	WP-12	**366-1564**	11WP65							

* Order Wrench for WP-24, 24W Collet Body

GAS LENS COLLET BODIES

- Eliminates turbulence in the gas shielding stream as it emerges from the nozzle, better shielding patterns
- Long stable stream allows the electrode to be extended farther beyond the end of the nozzle for improved visibility of the weld zone


366-2200


363-1600


NP424


363-1900


TTT327

WELDCRAFT®

WELD·MATE

C-K WORLDWIDE

Size"	Fits Torch Series	Model No.	Weldcraft Mfg. No.	Price /Each	Model No.	Weldmate Mfg. No.	Price /Each	Model No.	C-K Mfg. No.	Price /Each
GAS LENS COLLET BODIES (ALSO ORDER INSULATOR)										
0.020	WP-9, WP-9V,	**366-2200**	45V41		**363-1630**	45V41		**TTT008**	2GL20	
0.040	WP-20,	**366-2203**	45V42		**363-1635**	45V42		**818-1830**	2GL40	
1/16	WP-25	**366-2206**	45V43		**363-1440**	45V43		**818-1820**	2GL116	
3/32		**NP423**	45V44		**363-1645**	45V44		**818-1825**	2GL332	
1/8		**366-2212**	45V45		**363-1650**	45V45		**818-1835**	2GL418	
0.020	WP-17, WP-17V,	**TTT326**	45V29					**818-2360**	3GL20	
0.040	WP-18, WP-18V,				**363-1600**	45V24		**818-2375**	3GL40	
1/16	WP-26, WP-26V	**366-2185**	45V25		**363-1605**	45V25		**818-2345**	3GL116	
3/32		**NP419**	45V26		**363-1610**	45V26		**818-2365**	3GL332	
1/8		**366-2191**	45V27		**363-1615**	45V27		**818-2380**	3GL418	
5/32		**366-2194**	45V28		**363-1620**	45V28		**818-2390**	3GL532	
0.020 - 0.040	WP-17, WP-17V,	**NP424**	45V0204							
1/16	WP-18, WP-18V,	**NP418**	45V116		**363-1595**	45V116				
3/32	WP-26, WP-26V	**366-2227**	45V64		**363-1665**	45V64		**818-2370**	3GL332LD	
1/8	Large Dia. Gas Lens	**366-3490**	995795		**363-1900**	995795		**818-2385**	3GL418LD	
5/32		**366-2221**	45V63		**363-1660**	45V63		**818-2395**	3G6532LD	
1/16	WP-12	**TTT327**	11GL16							
3/32		**TTT328**	11GL32							
1/8		**TTT329**	11GL18							
5/32		**TTT330**	11GL53							
3/16		**366-1534**	11GL36							
INSULATORS										
	WP-17, WP-17V, WP-18, WP-18V, WP-26, WP-26V Gas Lens	**366-2440**	54N01		**363-1790**	54N01				
	Large Diameter Gas Lens (use on above torches)	**366-2497**	54N63		**363-1840**	54N63				
	WP-9, WP-9V, WP-20, WP-25 (supplied on torch body)	**366-3487**	598882		**363-1885**	598882				
	WP-24, WP-24W Gas Lens	**366-2419**	53N66		**363-1770**	53N66				
	WP-12 Gas Lens Stubby Collet Body	**TTT331** **366-1756**	12GLG 18CG20							
BACK CAPS										
Short	WP-9, WP-9V,	**366-2116**	41V33		**363-1310**	41V33		**818-1390**	200S	
Medium	WP-20	**366-2119**	41V35		**363-1315**	41V35		**818-1380**	200M	
Long		**366-2083**	41V24		**363-1305**	41V24		**818-1375**	200L	
Long	WP-17, WP-17V,	**366-2611**	57Y02					**818-1925**	300L	
Short	WP-18, WP-18V, WP-26, WP-26V	**366-2626**	57Y04					**818-1940**	300S	
Long	WP-12	**366-2548**	56Y44							
Short		**366-2551**	56Y45							


366-2119


366-2611


366-2626

TIG TORCHES & ACCESSORIES

STUBBY COLLETS/COLLET BODIES

- Stubby collet system allows use of a smaller nozzle
- Reduces overall torch head length giving access to confined areas
- Eliminates the need and cost of changing to a smaller torch

WELDCRAFT

Size"	Fits Torch Series	Model No.	Weldcraft Mfg. No.	Price /Each	Model No.	C-K Mfg. No.	Price /Each
0.040	WP-17, WP-17V,	**366-1438**	10N22S		**818-2505**	4C40	
1/16	WP-18, WP-18V,	**366-1444**	10N23S		**818-2480**	4C116	
3/32		**NP472**	10N24S		**818-2495**	4C332	
1/8		**366-1459**	10N25S		**818-2510**	4C418	

POWER CABLE ADAPTERS

- Adapters are not supplied with the torch packages
- Order adapter separately if needed

WELDCRAFT

Fits Torch Series	Model No.	Weldcraft Mfg. No.	Price /Each	Model No.	Weldmate Mfg. No.	Price /Each	Model No.	C-K Mfg. No.	Price /Each
WP-18, WP-18V, WP-20, WP-24W WP-25 WP-12	**366-2179**	45V11		**363-1590**	45V11		**818-1850**	2PCA	
WP-9, WP-9V*, WP-17*, WP-17V*,	**366-2827**	105Z57		**363-1365**	105Z57		**818-1185**	15PCA	
WP-24	**366-2383**	53N43					**818-1315**	1PCA	
WP-26*, WP-26V*	**366-2218**	45V62		**363-1655**	45V62				

*Torch packages are supplied with two-piece power cable assembly. Adapters are required with optional one-piece power cable assembly only.

ACCESSORY KITS



WP-9 TORCH SERIES

1 Long back cap
2 Collets: 0.040", 1/16"
2 Collet bodies: 0.040", 1/16"
3 Alumina nozzles: 4, 5, 6
2 Tungsten electrodes 2%: 0.040", 1/16" x 7"
Model No. 366-3613 **Mfg. No.** AK-1
Price/Each $

WP-17, WP-17V TORCH SERIES

1 Short back cap
3 Collets: 0.040", 1/16", 3/32"
3 Collet bodies: 0.040", 1/16", 3/32"
3 Alumina nozzles: 4, 5, 6
3 Tungsten electrodes 2%: 0.040", 1/16", 3/32" x 7"
Model No. NT529 **Mfg. No.** AK-2
Price/Each $

WP-18, WP-18V, WP-26, WP-26V TORCH SERIES

1 Short back cap
3 Collets: 1/16", 3/32", 1/8"
3 Collet bodies: 1/16", 3/32", 1/8"
3 Alumina nozzles: 5, 6, 8
3 Tungsten electrodes 2%: 1/16", 3/32", 1/8" x 7"
Model No. NT530 **Mfg. No.** AK-3
Price/Each $

WP-20 TORCH SERIES

1 Long back cap
3 Collets: 1/16", 3/32", 1/8"
3 Collet bodies: 1/16", 3/32", 1/8"
3 Alumina nozzles: 5, 6, 7
3 Tungsten electrodes 2%: 1/16", 3/32", 1/8" x 7"
Model No. NT531 **Mfg. No.** AK-4
Price/Each $

WP-24 TORCH SERIES

2 Collets: 0.040", 1/16"
2 Collet bodies: 0.040", 1/16"
3 Alumina nozzles: 4, 5, 6
1 Collet body wrench
2 Tungsten electrodes 2%: 0.040", 1/16" x 7"
Model No. 366-3631 **Mfg. No.** AK-5
Price/Each $

POWER CABLES – WATER AND GAS HOSES



818-1180

Description	Size'	Fits Torch Series	Weldcraft Model No.	Weldcraft Mfg. No.	Price /Each	Weldmate Model No.	Weldmate Mfg. No.	Price /Each	C-K Model No.	C-K Mfg. No.	Price /Each
POWER CABLES - WATER & GAS HOSES (VINYL TUBE CONSTRUCTION)											
Power Cable	12 1/2	WP-9, WP-9V,	**366-2599***	57Y01							
Power Cable	25	WP-17, WP-17V	**366-2614***	57Y03							
Power Cable	12 1/2	WP-18, WP-18V	**366-1993**	40V64					**818-1965**	312PC	
Power Cable	25		**366-2086**	41V29		**363-1500**	41V29		**818-1995**	325PC	
Water Hose	12 1/2		**366-2002**	40V74		**363-1480**	40V74		**818-1975**	312WH	
Water Hose	25		**366-2104**	41V32		**363-1520**	41V32		**818-2005**	325WH	
Gas Hose	12 1/2		**TTT412**	40V75		**363-1490**	40V75		**818-1950**	312AH	
Gas Hose	25		**366-2095**	41V30		**363-1510**	41V30		**818-1980**	325AH	
Power Cable	12 1/2	WP-20, WP-20V				**363-1530**	45V03		**818-1430**	212PC	
Power Cable	25	WP-25				**363-1540**	45V04		**818-1465**	225PC	
Water Hose	12 1/2								**818-1440**	212WH	
Water Hose	25								**818-1475**	225WH	
Gas Hose	12 1/2		**366-2167**	45V09					**818-1415**	212AH	
Gas Hose	25		**366-2173**	45V10					**818-1455**	225AH	
Heavy-Duty Power Cable	12 1/2		**TTT333**	45V03HD							
Heavy-Duty Power Cable	25		**TTT334**	45V04HD							
Heavy-Duty Water Hose	12 1/2		**TTT335**	45V07HD							
Heavy-Duty Water Hose	25		**TTT336**	45V08HD							
RUBBER POWER CABLES (RUBBER HOSE CONSTRUCTION)											
Power Cable	12 1/2	WP-24	**TTT337**	56Y38R							
Power Cable	25	WP-9, WP-9V,	**TTT338**	56Y97R							
Power Cable	12 1/2	WP-17, WP-17V	**TTT339**	57Y01R		**363-1865**	57Y01R		**818-1150**	1512PCHF	
Power Cable	25		**366-2623**	57Y03R		**363-1880**	57Y03R		**818-1170**	1525PCHF	
Power Cable	12 1/2	WP-18, WP-18V	**TTT340**	40V64R		**363-1475**	40V64R				
Power Cable	25		**366-2092**	41V29R		**363-1505**	41V29R				
Power Cable	12 1/2	WP-26, WP-26V	**366-2254**	46V28R		**363-1670**	26V28R				
Power Cable	25		**366-2263**	46V30R		**363-1690**	46V30R				
2-PIECE POWER CABLES - GAS HOSES											
Power Cable & Gas Hose	12 1/2	WP-9, WP-9V,	**TTT341**	57Y01-2					**TTT187**	1512PCN	
Gas Hose only	12 1/2	WP-17, WP-17V	**366-2170**	45V09R		**363-1575**	45V09R				
Power Cable & Gas Hose	25		**366-2617**	57Y03-2					**818-1180**	1525PCN	
Gas Hose only	25		**366-2176**	45V10R		**363-1585**	45V10R				
Power Cable & Gas Hose	12 1/2	WP-26, WP-26V	**366-2251**	46V28-2		**363-1675**	46V28-2				
Gas Hose only	12 1/2					**363-1495**	40V75R				
Power Cable & Gas Hose	25		**366-2260**	46V30-2		**363-1685**	46V30-2				
Gas Hose only	25					**363-1515**	41V30R				

*Rubber power cables are recommended for superior service

PYTHONRAP™ CABLE COVERS

- Nylon cover
- Full length zipper
- 22' L x 4" W

Model No. NT887
Price/Each $



CABLE PROTECTORS

- Durable leather with Kevlar® sewn seams
- Lightweight to enhance flexibility and strength
- Metal snaps every 3"
- For TIG, MIG, plasma and flux-cored torch cable/hose assembly
- 22' L x 4" W

Model No. NP520
Price/Each $



TUNGSTEN ELECTRODES

- Oxides used are primarily zirconium, thorium, lanthanum or cerium
- Additions are 1% - 4%, improve arc initiation, especially when direct current (DC) welding is employed
- Thorium oxide (thoria), effective in terms of long life and thermal efficiency
- Zirconium oxide (zirconia) has been commonly used for alternating (AC) TIG welding, welding aluminum
- Electrode length: 7"
- **Each package contains 10 electrodes**



2% THORIATED:
- Good current capacity, arc stability and easy arc start on DC current
- High resistance to weld pool contamination
- Maintains sharpened tip configuration
- Not normally used on AC current because it is difficult to maintain the balled end

0.8% ZIRCONIATED:
- Excellent for AC welding due to the higher arc stability
- High-resistance to weld pool contamination
- Excellent balled end retention
- Handles higher current with less spitting
- Better arc starts and arc stability than pure tungsten

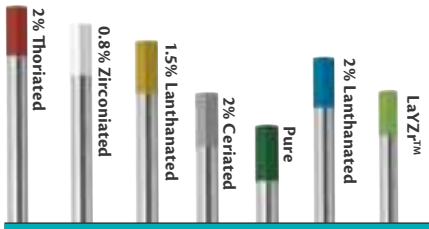
1.5% LANTHANATED:
- Lowest erosion rate • Wide current range
- No spitting • Best DC arc starts and stability

2% CERIATED:
- Excellent arc starting, stability, long life and higher-current capacity than thoriated tungsten
- Operate successfully with AC or DC current
- Non-radioactive • Low erosion rate
- Wide current range • No spitting

PURE:
- Lowest current capacity and least expensive
- Maintains a clean balled end for welding on AC
- More prone to weld contamination than other types of tungsten electrodes
- Tends to spit at higher currents • Used for non-critical welds only

2% LANTHANATED:
- Non-radioactive
- Best general purpose electrode at medium to higher amperages for both A/C or D/C using inverter or transformer based constant current power sources
- Good for low-alloyed steels, non corroding steels, aluminum alloys, magnesium alloys, titanium alloys, nickel alloys, and copper alloys
- Good arc starts and stability, low erosion rate, medium to high current range

LAYZR™:
- Non-radioactive
- Best for automated or robotic applications in A/C or D/C due to low voltage tolerance (changes in tip to work piece distance) using inverter or transformer based constant current power sources
- Good for low-alloyed steels, non corroding steels, aluminum alloys, magnesium alloys, titanium alloys, nickel alloys, and copper alloys
- Very stable tip geometry runs cooler than 2% thoriated, longer life
- Very best low amperage starts



Priced per package

Model No.	Mfg. No.	ISO Colour Chart	Dia."	Price /Each
2% THORIATED				
TTT403	T0207GT2	Red	0.020	
NP552	T0407GT2	AWS A5.12 EWTh-2	0.040	
NP544	T1167GT2	ISO 6848 WT20	1/16	
NP545	T3327GT2		3/32	
NP543	T187GT2		1/8	
714-1150	T5327GT2		5/32	
0.8% ZIRCONIATED				
TTT408	T0207GZ	White	0.020	
TTT409	T0407GZ	AWS A5.12 EWZr-8	0.040	
NP546	T1167GZ	ISO 6848 WZ8	1/16	
NP547	T3327GZ		3/32	
NP553	T187GZ		1/8	
714-1185	T5327GZ		5/32	
1.5% LANTHANATED				
TTT404	T0207GL	Gold	0.020	
TTT405	T0407GL	AWS A5.12 EWLa-1.5	0.040	
714-1200	T1167GL	ISO 6848 WL15	1/16	
714-1205	T3327GL		3/32	
714-1210	T187GL		1/8	
TTT406	T5327GL		5/32	
2% CERIATED				
TTT407	T0207GC2	Grey	0.020	
NP548	T0407GC2	AWS A5.12 EWCe-2	0.040	
NP549	T1167GC2	ISO 6848 WC20	1/16	
NP550	T3327GC2		3/32	
NP551	T187GC2		1/8	
714-1177	T5327GC2		5/32	
PURE				
TTT410	T0207G	Green	0.020	
NP539	T0407G	AWS A5.12 EWP	0.040	
NP540	T1167G	ISO 6848 WP	1/16	
NP542	T3327G		3/32	
NP541	T187G		1/8	
714-1060	T5327G		5/32	
2% LANTHANATED				
TTV117	T0207GL2	Blue	0.020	
TTV118	T0407GL2	AWS A5.12 EWLa-2	0.040	
TTV119	T1167GL2	ISO 6848 WLZ0	1/16	
TTV120	T3327GL2		3/32	
TTV121	T187GL2		1/8	
TTV122	T5327GL2		5/32	
LAYZR™				
TTV111	T0207GTM	Chartreuse (Lime Green)	0.020	
TTV112	T0407GTM	AWS A5.12 EWG	0.040	
TTV113	T1167GTM	ISO 6848	1/16	
TTV114	T3327GTM		3/32	
TTV115	T187GTM		1/8	
TTV116	T5327GTM		5/32	

CHEM-SHARP

CHEMICAL TUNGSTEN SHARPENERS

- Safest way to sharpen tungsten without grinding
- Chemically mills a perfect point on pure, thoriated or titanium type tungsten
- Repoint time is approximately one minute at the work station
- Extends tungsten life four times longer than that of ground tungsten
- 5 oz. net jars, over 500 sharpenings per jar

881-1305



881-1300



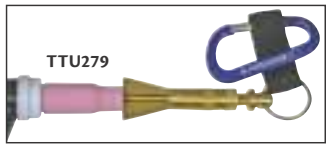
DYNAFLUX QUALITY PRODUCTS

Model No.	Mfg. No.	Description	Price /Each
881-1300	DF600-6	Jar, 5 oz. net	
881-1305	DF601-6	Tungsten Holder	
881-1310	DF602-4	Kit w/1 Jar and Holder	

TUNGSTEN STICK-OUT GAUGES

- Made of durable solid brass
- Easily lock-in, correct stick-out from the end of nozzle
- Face of gauge marked in 1/16" indications for easy calculation of required stick-out
- Consistent stick-out adds quality to every weld
- Repeatable for welder to welder

TTU279



Model No.	Mfg. No.	Description	Price /Each
TTU279	TG1	For Standard Torch	
TTU280	TG1-24	For 24 Series and Micro Torch	

TURBO-SHARP® X TUNGSTEN ELECTRODE GRINDERS

An enclosed electrode grinder, which eliminates grinding dust exposure to both the user and the environment.

- Multifunctional cover - Through a slot in the cover, one can flatten the electrode to prepare a truncated cone
- 3 position adjustment for triple lifetime of grinding disc
- Angles adjustable from 20° to 60°
- Both sides of grinding disc coated with diamond-powder, giving double wheel life
- Allows exact repetition of longitudinal grinding
- Can be connected to vacuum system, accessory included with unit
- Can be equipped with an optional head which can grind electrodes of diameter: 0.040" (1.0 mm), 5/32" (4.0 mm), 3/16" (4.8 mm) or 1/4" (6.4 mm)
- Short tungsten kit grinds tungsten as short as 3/4" and includes 0.040" (1.0 mm), 1/16" (1.6 mm) and 3/32" (2.4 mm) collets

Model No.	Mfg. No.	Description	Price /Each
TTT401	TS10	115 V Grinder	
TTT402	TS10-230	230 V Grinder	
821-3707	TS3-W	Replacement Diamond Coated Disc Wheel	
TTT413	TS3-HB	Grinder Head - 0.040" -1/8" (included in **TTT401**)	
821-3706	TS3-HR	Grinder Head - 0.040" - 5/32", 3/16", 1/4"	
TTT414*	TS3-STK	Short Tungsten Kit	

* For use with **821-3706** grinder head only

Both side of disc are coated with diamond-powder (double lifetime)



821-3707

TTT414

Short tungsten kit
(Sold separately)

Grinds electrods as short as 3/4"(19 mm)





Includes: 0.040" (1.0 mm), 1/16" (1.6 mm) and 3/32" (2.4 mm) collets

TTT401

3 position adjustable head!



Grinding disc last **3x** longer!



Turbo-Sharp®







METAL CARRYING CASE INCLUDES:

- Standard head for diameters:. 0.040" (1.0 mm), 1/16" (1.6 mm), 3/32" (2.4 mm) and 1/8" (3.2 mm)
- Accessory for stationary mounting
- Adapter for vacuum cleaning
- Pen style electrode holder
- Multifunctional cover
- Tools for assembling and replacement of grinding wheel
- User instructions

TECHNICAL DATA

Voltage:	120 V or 230 V AC
Single Phase:	60 Hz
Power:	400 W
Amp:	3.5 A
No load speed:	30 000 RPM
Weight:	3.7 lbs. (1690 g)
Guarantee:	2 years

MT200-AC/DC TIG WELDING SYSTEM

CREATE, REPAIR & CUSTOMIZE

- Provides the ability to quickly and efficiently adapt to dynamic welding situations
- High-performance dual voltage inverter for 115V and 220V
- Two dynamic welding modes: GTAW (TIG) and SMAW (Stick)
- Easy-to-use interface allows for quick setting adjustments
- Compact, portable design for use in multiple applications
- Features square wave technology allowing arc to start as low as 5 amps
- 3-year limited warranty

- **Use to Weld:** Aluminum, Titanium, Magnesium, Stainless Steel, Low Alloy Steel, Deoxidized Copper, and much more!
- **Includes:** CK17 Flex-Head Gas-Cooled TIG Torch with 12.5' Super Flex™ Cable, Dinse® Connector, AK-3 Accessory Kit, Foot Pedal Amperage Control, Ground Clamp with 12.5' Cable, Single-Flow Regulator, 6' Argon Hose, 220V to 115V power adapter



Model No.	Mfg. No.	Input Power Voltage/Phase/Hertz	Input Current	Output Current Range GTAW	Output Current Range SMAW	Rated Output GTAW	Rated Output SMAW	Price Each
TTV224	MT200-AC/DC	115/1/50/60	21A	115V: 5-140 Amps	115V: 10-110 Amps	115V: 140A@15.6V, 40% duty cycle	115V: 110A@24.4V, 25% duty cycle	
		220/1/50/60	34A	220V: 5-200 Amps	220V: 10-160 Amps	220V: 200A@18.0V, 25% duty cycle	220V: 160A@26.4V, 30% duty cycle	

TIG TORCHES & ACCESSORIES

TIG COLD WIRE FEEDERS

For complete installation of a cold wire TIG system, you need both the cold wire feeder and a TIG torch (hand held or machine mounted) with cold wire TIG capabilities. The cold wire TIG system works independently of a standard TIG power supply using normal TIG welding parameters.



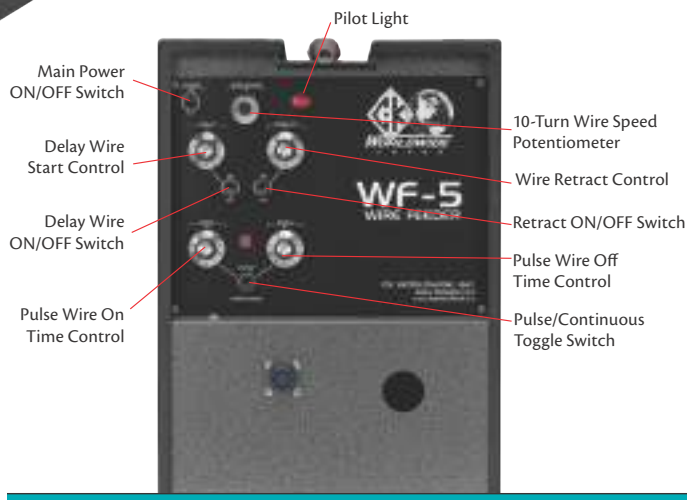
Please specify wire size (0.030", 0.035", 0.045" or 1/16") and type Hard (Steel) or Soft (Aluminum)

Features:

- Increases productivity by up to 30%
- Automates adding of filler metal in TIG Welding
- All weld parameters can be duplicated
- Dual groove drive roll system accepts multiple wire sizes
- Uses standard wire spool sizes
- Eliminates TIG rod stub loss
- Cabinet keeps filler wire clean
- Makes fully automatic machine TIG welding possible
- Results are consistent high quality welds

SPECIFICATIONS

Voltage:	115 V AC (220 V AC 50 Hz – Special Item)
Phase:	Single Phase
Frequency:	50/60 Hz
Height:	15"
Width:	10"
Length:	21"
Weight:	39 lbs.
Motor Type:	DC Permanent Magnet
Motor Rating:	1/3 HP at 4000 RPM
Filler Wire Spool Size:	12"
Filler Wire Sizes:	0.023", 0.030", 0.035", 0.045", 1/16"
Wire Feed Speed Range:	0 - 500 IPM
Feed Time (Pulsed Mode):	Continuously Variable
Dwell Time (Pulsed Mode):	Continuously Variable
Delay Start Time:	Continuously Variable
Wire Retract Time:	Continuously Variable



Mfg. No.	Drive Roll	Wire"
WF5-030	20 – 35DR	0.023 – 0.035
WF5-035	30 – 45DR	0.030 – 0.045
WF5-045	30 – 45DR	0.030 – 0.045
WF5-116	45 – 564DR	0.045 – 1/16

COLD WIRE FEED TORCHES

HAND HELD – WATER COOLED

- Semiautomatic TIG torches are hand torches
- Capability of delivering a continuous filler wire directly to the weld puddle
- Simplifies the skill level required as compared with manual feeding the filler rod
- Used in conjunction with the wire feeders
- **Pendant Unit** has an electric switch head style with straight wire guide and is used in conjunction with TIG torch
- Cold Wire torches come with rigid head without valve
- Available in 12 1/2' TriFlex/SuperFlex cable except model CWH3512 which comes with separate cables

Please specify wire size (0.030", 0.035", 0.045" or 1/16") and type Hard (Steel) or Soft (Aluminum)

Mfg. No.	Description	Amps	Length"	Head Accessories
CWH	Hand Held Pendant	-	-	-
CWHTL312	Rigid Cold Wire Torch	350	8	3 Series
CWH3512	Rigid Cold Wire Torch	400	9 1/2	3 Series
CWH1812	Rigid Cold Wire Torch	180	8 1/8	8 Series
CWH2312	Rigid Cold Wire Torch	300	8 1/4	2 Series

MACHINE MOUNTED – WATER COOLED

- Automatic TIG torches are machine torches
- Capability of delivering a continuous filler wire directly to the gas tungsten arc puddle
- Complete automatic feeding of the filler wire when torches are used in conjunction with the wire feeder
- 12 1/2'
- 1 3/8" O.D. barrel

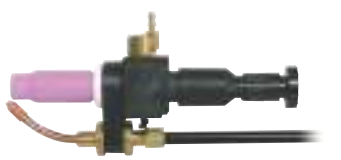
Please specify wire size (0.030", 0.035", 0.045" or 1/16") and type Hard (Steel) or Soft (Aluminum)

Mfg. No.	Amps	Length"	Head Accessories	Head Style	Cable
CWM2312	300	18	2 Series	Straight Barrel	TriFlex
CWM3512	350	18	3 Series	Straight Barrel	Separate
CWMT412	400	4 1/16	3 Series	Face Plate Mounted	Separate
CWMT512	500	7	3 Series	7" Barrel	Separate


CWH


CWH3512


CWM2312


CWMT412


CWMT512

PIPE STANDS


TNX170


TNX168


TNX171

RIDGID

Model No.	Cat. No.	Mfg. No.	Description	Height Adjustment Low-High in.	Height Adjustment Low-High cm	Max. Pipe Capacity in.	Max. Pipe Capacity mm	Max. Weight Capacity lbs.	Max. Weight Capacity kg	Weight lbs.	Weight kg	Price /Each
TNX167	56657	VJ-98	V Head Low Pipe Stand	20-38	51-96	12	300	2500	1136	21	9.5	
TNX168	56662	VJ-99	V Head High Pipe Stand	28-53	71-132	12	300	2500	1136	23	10.4	
TNX169	56667	RJ-98	Roller Head Low Pipe Stand	23-41	59-104	12	300	1000	454.5	24	10.9	
TNX170	56672	RJ-99	Roller Head High Pipe Stand	32-55	82-140	12	300	1000	454.5	27	12.3	
TNX171	56682	CJ-99	Conveyor Head High Stand	29-44	74-112	12	300	1000	454.5	19	8.6	

FOLD-A-JACK® HI JACKS

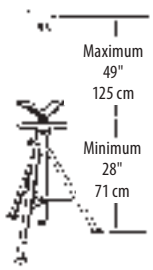
SUMNER

- 1" square tube base construction
- Quick-action lock washer for quick height positioning
- Large, convenient adjustment handle
- Set screw for double margin of safety, can lock jack head to stand for transportation, no loose pieces
- Perfect for work height on shapes or pipes 24" in diameter or smaller
- Carrying handle for ease of transportating
- Jack independently load tested for quality assurance
- 2500-lb capacity
- CE rated

HEAD STYLES


Vee-Head


Roller Head





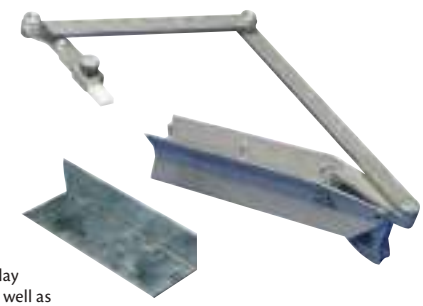
Model No.	Mfg. No.	Description	Price /Each
432-1161	781300	ST-881 w/Vee-Head	
432-1162	781301	ST-882 w/Roller Head	

CONTOUR® #1 MARKER

MADE FROM DURABLE, LIGHTWEIGHT ALUMINUM

- Curv-O-Mark® Contour® Marker is a compact, time-saving tool used to lay out pipe and structural steel joints
- Laterals at any angle, tees, wyes, crosses, elbows
- Any type or size of joint can be quickly and precisely laid out
- Can be used to lay out pipe from 1-1/2" to 18" diameter, or structural steel members up to 18"
- Consists of an X-shaped frame, calibrated protractor, and a triple-jointed marking arm and holder
- Holder accepts a soapstone crayon (included), felt pen or pencil
- Can be used right side up or upside down, depending on the direction of the line to be scribed
- Protractor calibrated on both sides-one in degrees, the other in rise-inches-per foot-to service any type of measurement need
- Optional combination adaptor accessory allows the marker to lay out joints on larger size pipe, as well as scribe compound angles with just one setting

Kimberly-Clark PROFESSIONAL®

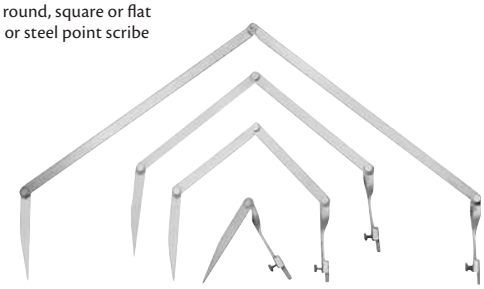


Model No. 430-2000
Mfg No. 14771
Price/Each $

CONTOUR® RADIUS MARKERS

- Available in four sizes for scribing circles up to 80" diameter
- Folding type design-three smaller models will fit conveniently into a shirt pocket
- All have sturdy friction joints to maintain rigidity and accuracy
- Made from lightweight, rustproof aluminum for long wear
- Soapstone crayon installed in each radius marker
- Scribe holder will accept round, square or flat soapstone crayon, pencil or steel point scribe

Kimberly-Clark PROFESSIONAL®



Model No.	Mfg. No.	Description	Radius"	Price /Each
430-2580	14780	Mini	Up to 8	
430-2590	14781	Small	Up to 20	
430-2600	14782	Standard	Up to 24	
430-2610	14783	Jumbo	Up to 40	

CONTOUR® CENTERING HEADS

Kimberly-Clark PROFESSIONAL®

Aid in the setting of centerlines, establishing angles and marks for butt-ins, locating points inside pipes and tanks, laying out keyways and measuring declivity.

#6 Standard Model
- Used on pipe 1/2" to 4" diameter or larger
- Fitted with an adjustable dial bubble protractor (DSL), manually operated centering pin

#7 Jumbo Model
- For pipe 1" diameter and up
- Includes DSL
- Spring-loaded hardened centering pin eliminates the need for a hammer
- Align and press the trigger



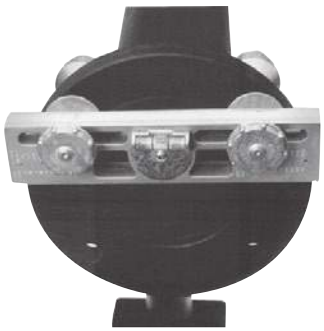
Model No.	Mfg. No.	Type	Head Type	Head Width"	Price /Each
430-2050	14775	Standard	Y	4	
430-2070	14776	Jumbo	Y	8	

PIPE LAYOUT MEASURING TOOLS

CONTOUR® #33 UNIVERSAL LEVELS

- Multipurpose tool
- Designed primarily for pipefitting applications, is a valuable tool for any craft required to use a level or plumb bob
- Unit features a 360° adjustable protractor dial set level bubble (DSL) that ensures accurate levelling and permits the following additional uses:
  - Setting a predetermined pitch of a string of pipe
  - Setting the angle of laterals to a precise degree
  - Trueing vertical runs
  - Two-holing flanges
- Permits hands-free levelling, for tight spots
- Bubble is mounted on a protractor dial allowing for the level to be used in any position and still read accurately
- Designed to fit any size bolt hole spaced between 2-1/4" to 8" centres on flanges permitting the orientation of flange bolt holes for any size pipe

Model No. 430-2240
Mfg. No. 14796
Price/Each $



CONTOUR® WRAP-A-ROUNDS

- An inexpensive tool for marking straight lines around pipe, or for use as a straight edge
- Made of flexible gasket material
- Resistant to heat and cold
- Asbestos free with service temperature of up to 350°F
- Printed with a scale in inches, pitch chart, tangent chart and other useful markings except X-small
- 3.88" and 5.00" wraps feature a metric scale and pitch chart



Model No.	Mfg. No.	Size	Dimensions L'	x	W"	Pipe Dia."	Price /Each
430-2330	14752	Medium	4	x	3.88	3 to 6	
430-2370	14753	Large	6	x	3.88	3 to 10	
430-2410	14754	X-Large	7	x	5.00	4 to 12	
430-2450	14756	XX-Large	9	x	5.00	6 to 16	



PIPE ALIGNMENT CLAMP

- Heavy duty forged pipe alignment clamps allow the efficient preparation for welding
- Stainless steel ball bearing in each wing-nut
- Suited for quick alignment of pipe to pipe, pipe to elbow and pipe to flange
- Forged steel construction

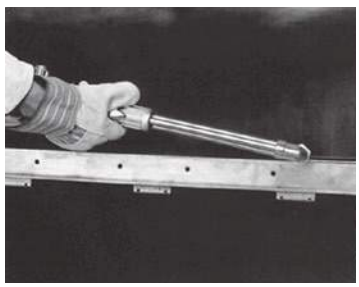


Model No.	Mfg. No.	Pipe Clamp Range inches	mm	Price /Each
TTV279	INT-1-3	3/4 to 3-1/2	20 to 90	
TTV280	INT-2-6	2 to 6-5/8	50 to 170	
TTV281	INT-6-12	6-5/8 to 13	170 to 330	

CONTOUR® #28 MAGNETIC BURNING GUIDES

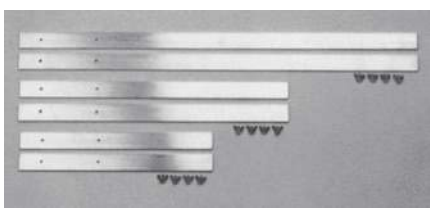
- Designed for use with a burning torch or as a straight edge
- Cast of strong, durable material to withstand heat and spatter
- Base has three 30-lb. pull cast-in magnets for use in any position
- 24" blade on a raised plane is standard

Model No. 430-2190
Mfg. No. 14791
Price/Each $



ATTACHMENTS FOR PRO-MAG BURNING SQUARE & MAGNETIC BURNING GUIDE

- Each is in two sections



Model No.	Mfg. No.	No.	Overall Length"	Price /Each
430-2200	14792	29	34	
430-2210	14793	30	48	
430-2220	14794	31	72	

CONTOUR® WORKER KITS

All the top sellers in one case!

- Includes: #1 Contour® Marker, #7 Centering Head, #8 Pro-Mag level, standard Radius Marker, square soapstone, holder and lockable metal carrying case

Model No. TTT484
Mfg. No. 20664
Price/Each $



FLEXIBLE FRAME GOGGLES

- Soft PVC frame seals out light leaks
- Choice of 2" x 4 1/4" fixed front or flip front design
- Comes complete with shade 5 lens



NT646



NT647

Model No.	Description	Price /Each
NT646	Fixed Front	
NT647	Flip Front	

CUP GOGGLES

- Rigid 2" (50 mm) round lens cup goggle
- Comes complete with shade 5 lens



Model No.	Price /Each
NT648	

V-MAXX™ GOGGLES

- Sport wrap-around style
- Direct vent for impact resistance and indirect vent for chemical splash applications
- Peel-off goggle covers available to extend useful life of the lens
- OTG compatible
- 180° clear field of vision
- Lenses coated with Fog-ban® anti-fog coating
- Pivoting headband clips to adjust strap around hardhats or hearing protection
- Adjustable elastic or neoprene headband
- Certified to CSA standard Z94.3



SAI907

Model No.	Mfg. No.	Description	Lens Tint	Price /Each
SAI907*	11250830	Indirect Vent, Black Frame and Headband	Shade 3.0	
SAI908*	11250850	Indirect Vent, Black Frame and Headband	Shade 5.0	
SAI905*	11250800	Direct Vent, Red Headband	Clear, Fog-ban®	
SAI906	11250810	Indirect Vent, Black Neoprene Headband	Clear, Fog-ban®	
SAI909	11250860	Goggle Covers, 10/pkg	-	

* Elastic Headband

JACKSON SAFETY* V80 WILDCAT* GOGGLES

- Extreme heat resistance, will not melt, drip or ignite at 350°F for five minutes
- Adjustable side vents to help increase airflow
- Fits naturally to the contour of your face
- Lightweight and comfortable with a pivot headband that allows for optimal placement
- Meets ANSI standard Z87.1+ and compliant with CSA standard Z94.3



TTT946



TTT948



TTT950

Model No.	Mfg. No.	Lens Tint	Price /Each
TTT946	20525	Clear Anti-Fog	
TTT947	20526	Smoke Anti-Fog	
TTT948	20527	Amber Anti-Fog	
TTT949	20528	Shade 3.0 Anti-Fog	
TTT950	20529	Shade 5.0 Anti-Fog	

JACKSON SAFETY* V90 SHIELD* GOGGLES

- Features the Monogoggle* XTR* with indirect ventilation and a polycarbonate shield for full face protection
- Shield detaches from the goggles
- Curved face shield conforms to shape of face offering added protection
- Can be used over most prescription eyeglasses
- Meets ANSI impact standard Z87.1+



TTT954



TTT955

Model No.	Mfg. No.	Lens Tint	Price /Each
TTT954	18629	Clear Anti-Fog	
TTT955	18631	Shade 3.0 Anti-Fog	
TTT956	18633	Shade 5.0 Anti-Fog	

WELDING HELMETS & LENSES

JACKSON SAFETY* WH30/WH40 ELEMENT* ADF WELDING HELMETS

- Lightweight shell weighs only 6 oz.
- Available in two different auto-darkening filters: ADF fixed shade 10 and ADF variable shade 9-13
- Two independent arc sensors
- Solar powered unit
- Meets ANSI standard Z87.1 and compliant with CSA standard Z94.3



SEA769

Model No.	Mfg. No.	Description	Price /Each
WH30 ELEMENT*			
SEA770	23286	Welding Helmet-Fixed Shade 10 ADF, 4.33" x 3.54"	
SEA772	23440	Replacement Cover Lens Kit - Includes 5 Front and 2 Rear Safety Plates	
SED982	23442	Replacement Headgear	
WH40 ELEMENT*			
SEA769	23282	Welding Helmet-Variable ADF, 4.33" x 3.54"	
SEA771	29127	Replacement Cover Lens Kit - Includes 5 Front and 2 Rear Safety Plates	
SED982	23442	Replacement Headgear	

JACKSON SAFETY* WH70 BH3* BALDER* WELDING HELMETS

- Superior angle of view
- Enhanced visibility and colour recognition
- Variable shade 9-13, adjustable sensitivity and opening time delays
- Solar-powered unit with two arc sensors
- Curved front cover plate offers reduced heat build-up, reflections and fogging
- Aerodynamic shell designed for better fume deflection
- Can be used for torch cutting
- Quick and easy replacement of safety plates
- Lightweight at 19.84 oz.
- Auto-on ADF is always ready to weld
- Meets ANSI standard Z87.1 and compliant with CSA standard Z94.3
- 5-year warranty



SEH125

Model No.	Mfg. No.	Description	Price /Each
SEH125	37191	BH3* Black	
SDL094	37247	External Safety Lens, 10/Pkg.	
SDL096	37248	Internal Safety Lens, 10/Pkg.	

JACKSON SAFETY* WH40 SMARTIGER* BALDER* WELDING HELMETS

- Internal adjustable shade 9-13
- Internal adjustable sensitivity
- Aerodynamic shell designed for better fume deflection
- Solar-powered unit with two arc sensors
- Can be used for torch cutting
- Lightweight at 19.2 oz
- Auto-on ADF is always ready to weld
- Meets ANSI standard Z87.1 and compliant with CSA standard Z94.3
- 5-year warranty



SEH127

Model No.	Mfg. No.	Description	Price /Each
SEH126	37188	SmarTIGer* Balder* Black	
SEH127	37187	SmarTIGer* Balder* Torch Dancer	
SDL094	37247	External Safety Lens, 10/Pkg.	
SDL095	37249	Internal Safety Lens, 10/Pkg.	

JACKSON SAFETY* WH70 TRUESIGHT* II DIGITAL ADF WELDING HELMETS

DELIVERS BEST-IN-CLASS OPTICAL CLARITY BY INTRODUCING BALDER* TECHNOLOGY TO TRUESIGHT* II'S LARGE VIEWING AREA AND DIGITAL CONTROLS

- Optical classification 1/1/1/1 rating
- Variable shade from 5-8 and 9-13
- 3.25" x 4.00" viewing area
- Digital controls (Designed by welders for welders)
- Weld, grind and torch modes (3-N-1 welding helmet)
- Delay and sensitivity adjustments
- Four sensors and auto off
- Meets ANSI standard Z87.1 and compliant with CSA standard Z94.3
- DIN rating EN379



SEC603

Model No.	Mfg No.	Description	Price /Each
SEC603	46159	HLX w/Truesight* II Digital ADF, Black	
SEC604	30319	Truesight* II ADF Cartridge 4 1/2" x 5 1/4"	
SEC605	30320	External Safety Lens	
SEC606	30321	Internal Safety Lens	

GET CLEAN

Industrial handsoap with scrubbing particles for stubborn grease and grime

TRY SOME TODAY!

Model JG223
See page 331

Produits D'Entretien RMP Maintenance Products





JACKSON SAFETY* AIRMAX ELITE* PAPR WITH BH3*

- BH3* Air welding helmet features variable auto-darkening filter with Balder Technology
- The Balder Technology provides superior optical viewing clarity from any angle along with largest ADF viewing area of 3.78" x 2.70"
- Variable ADF with grind mode, with adjustable shades 6-8 (grind) and 9-13 via external knob
- Lightweight blower with advanced control system to maintain constant air flow rate throughout the charge of the battery
- Audible and visual vibrating alarms signal welder when need for new filter or battery change
- Three-layer filter provides NIOSH approved HE filtration from particulate contaminants
- The pre-filter extends the operating life of the main filter by capturing coarse particles
- The spark arrester helps protect the main filter from damage by sparks and welding spatter
- Flame-retardant breathing hose is protected against sparks and flexes with the welder during use
- Rechargeable lithium ion battery is the newest battery technology that provides 8 hours of power
- Smart Battery Charger indicates when charging and when complete without overcharging the battery



SDN572

JACKSON SAFETY*

POWERED AIR PURIFYING RESPIRATOR ASSEMBLY

Model No.	Mfg. No.	Description	Battery Type	Price /Each
SDN572	40839	Jackson Safety* Airmax Elite* PAPR	Lithium Ion	

BLOWER

Model No.	Mfg. No.	Description	Price /Each
SDN574	40880	Blower Unit Kit	

REPLACEMENT BATTERY & CHARGER

Model No.	Mfg. No.	Description	Price /Each
SDN584	40864	Battery Life: 8 Hours	
SDN585	40863	Charging Time: 2 Hours	

ACCESSORIES

Model No.	Mfg. No.	Description	Price /Each
SDN581	40878	HE Filter (6 pack)	
SDN582	40876	Filter Cover and Spark Arrestor	
SDN583	40877	Pre-Filter (10 pack)	

Other replacement parts are available

JACKSON SAFETY* WH40 NITRO* VARIABLE ADF WELDING HELMETS

- Offers welders outstanding features at an economical price point
- Variable shade 9-13, sensitivity and delay adjustments
- Lightweight – Only weighs 1 pound fully assembled
- Three independent sensors
- Solar powered
- Meets ANSI standard Z87.1 and compliant with CSA standard Z94.3



SAS083

Kimberly-Clark PROFESSIONAL*

Model No.	Mfg. No.	Description	Price /Each
SAS083	21931	Nitro* Blue w/Nitro* ADF	
SAS084	21947	Nitro* ADF Cartridge, 4.33" x 3.54"	
SEA270	20696	370 Series Headgear	
SEA573	22603	Replacement Cover Lens Kit - Includes 5 Front and 2 Rear Safety Plates	

JACKSON SAFETY* WH40 INSIGHT* VARIABLE ADF WELDING HELMETS

- Get the high-level elements of a high-performance welding lens without the high price
- Offers an ADF with digital and multi-function controls for any welding job
- Sensitivity and delay adjustments
- Four independent sensors
- Easy-to-use digital controls
- Torch, grind and weld modes
- Variable shade: 9-13
- Viewing area: 3.93" x 2.36"
- Meets ANSI standard Z87.1 and compliant with CSA standard



SDP562

Kimberly-Clark PROFESSIONAL*

Model No.	Mfg. No.	Description	Price /Each
SDP562	40710	HSL100 Black w/Insight* ADF	
SDP563	40709	Insight* ADF Cartridge, 4.5" x 5.25"	
SDP564	41594	Internal Lens, 10/Pkg.	
SDP565	41589	Replacement Cover Lens Kit - 5 Front and 2 Rear Safety Plates	

JACKSON SAFETY* WH10 PASSIVE WELDING HELMETS

- Narrow shell design is perfect for work in tight space
- Extended front increases throat protection against sparks, slag and other physical hazards
- Comes standard with cover plate and shade 10 polycarbonate filter plate
- Meets ANSI standard Z87.1 and compliant with CSA standard Z94.3

Model No.	Mfg. No.	Description	Colour	Price /Each
HSL-2 HELMETS - 2" X 4 1/4"				
PB193	14982	Flip Front	Black	
HSL-100 HELMETS - 4 1/2" X 5 1/4"				
SD617	14975	Fixed Front	Black	



SD617

PB193



Kimberly-Clark PROFESSIONAL*

WELDING HELMETS & LENSES

WELDING HELMETS

- Lightweight design with ratchet headgear
- Comes complete with shade 10 lens
- Choice of 2" x 4 1/4" flip front or 4 1/2" x 5 1/4" wide vision fixed front
- Passive lens
- Material: Thermoplastic



WELD-MATE

Model No.	Description	Window Dimensions"	Price /Each
NT645	Flip Front	2 x 4 1/4	
NT687	Fixed Front	4 1/2 x 5 1/4	

P550 WELDING HELMETS

- Optimized cover lens for perfect protection against spatters and fumes
- Enlarged LCD provides a comfortable viewing area
- True-Color optics; specially developed UV/IR filter allows a realistic perception of colors
- Shade level 4/9-13 with external control for quick adjustment
- Adjustable sensitivity and opening delay
- Power by solar cells and two lithium batteries
- Application range: All electric arc welding processes
- Prohibited for overhead welding and laser/gas welding
- Complies with CSA standard Z94.3
- 2-year warranty



optrel

HELMETS

Model No.	Mfg. No.	Descritpion	Colour	Price /Each
SED542	1007.000	Neo Black/Black w/graphics	Black	
SGC231	1007.011	Neo Black/Green w/graphics	Black/Green	
SED546	5012.700	Replacement Auto-Darkening Filter	–	

ACCESSORIES

Model No.	Mfg. No.	Description	Qty /Pkg.	Price /Each
COVER LENSES				
SAX006	5000.001	Inside Cover Lenses	5	
SED552	5000.250	Front Cover Lenses	5	
MAGNIFICATION LENSES				
SAX008	5000.050	1.00 Diopter	1	
SAX009	5000.051	1.50 Diopter	1	
SAX010	5000.052	2.00 Diopter	1	
SAX011	5000.053	2.50 Diopter	1	

JACKSON SAFETY* WH20 860P LEATHER WELDING HELMETS

- Ideal for use in confined spaces
- Tough, pliable, breathable leather covering
- Flip-front glass holder, 2" x 4 1/4"
- Includes adjustable headgear

Model No. 141-1120
Mfg. No. 14531
Price/Each $

Kimberly-Clark PROFESSIONAL



JACKSON SAFETY* 370 SERIES REPLACEMENT HEADGEAR

- Removable comfort cradle is a pivoting head pad that conforms to any head size
- 3-position slider adjusts distance of the lens from your eyes for precise vision
- Crown strap adjustment allows the headgear to be raised or lowered for maximum comfort and performance
- Sweatband helps absorb perspiration
- Vertical lock-in eliminates helmet creeping
- Compatible with HaloX, Nitro*, Nexgen*, Master 3-N-1, Solera, Truesight*, Boss* 3-N-1 and Professional welding helmets

Model No. SEA270
Mfg. No. 20696
Price/Each $

Kimberly-Clark PROFESSIONAL



JACKSON SAFETY* HELMET BAGS

- Made of heavy-duty denier fabric with drawstring closure
- Features hook and loop close front lens pocket and two side mesh tool pockets
- Fits all Jackson Safety* helmets

Model No. TTU304
Mfg. No. 18935
Price/Each $

Kimberly-Clark PROFESSIONAL





LITEFLIP AUTOPILOT WELDING HELMETS

- The first flip-up helmet with Autopilot shade selector
- Shade levels 1/4/5-14 with True-Color optics
- Adjustable sensitivity and opening delay
- Powered by solar cells and two lithium batteries
- Application range: all electric arc welding processes
- Prohibited for overhead welding and laser/gas welding
- Certification: ANSI Z87.1, complies with CSA Z94.3
- 2+1 year warranty



optrel

Model No.	Mfg. No.	Description	Price /Each
SGC188	1006.700	Liteflip Welding Helmet	
SAX006	K6024	Inside Cover Lens, 5/Pkg.	
SGC189	5000.390	Safety Grinding Lens, 5/Pkg.	
SGC190	5000.391	Front Lens, 5/Pkg.	

E684 WELDING HELMETS

- Adaptive shade autopilot automatically adjusts the shade level as one welds
- Third sensor detects changes in arc intensity and adjusts shade level accordingly
- Twilight ADF technology restores light more naturally, presenting a smoother transition to the eye
- High definition viewing
- True colour filter optimizes view of colours in true form
- Curved helmet optimized for overhead welding
- Shade Level : 4/5-13
- Complies with CSA standard Z94.3



SAM898



SFI934



616-1570

optrel

Model No.	Mfg. No.	Description	Colour	Price /Each
SFI934	1006.500	e684 Helmet	Silver	
SFU861	1006.501	e684 Helmet	Black	
SFU862	1006.502	e684 Helmet	Dark Blue	
SFI935	5012.480	Replacement Auto-Darkening Filter	-	

ACCESSORIES

Model No.	Mfg. No.	Description	Qty /Pkg.	Price /Each
SAM897	5000.210	Front Cover Lenses	2	
SAM898	5000.212	Front Cover Lenses	5	
SAX006	5000.001	Inside Cover Lenses	5	
SAX008	5000.050	Magnification Lens, 1.00 Diopter	1	
SAX009	5000.051	Magnification Lens, 1.50 Diopter	1	
SAX010	5000.052	Magnification Lens, 2.00 Diopter	1	
SAX011	5000.053	Magnification Lens, 2.50 Diopter	1	
616-1570	5003.250	Replacement Headgear	1	

PANORAMAXX WELDING HELMET

- Unique ADF profile expands view 6x compared to traditional helmets, yet remains lightweight
- Shade level 2.5/5-12; brightest view in light state and grind mode
- Autopilot detects arc intensity and adjusts shade level during welding, cutting and grinding
- True Color optics for best colour and detail perception
- Twilight opening delay restores light more naturally, presenting a smoother transition to the eye
- New rechargeable power-pack uses solar panels and USB
- Curved helmet design deflects smoke and debris, optimized for overhead welding
- Certification: CSA Z94.3



optrel

Model No.	Mfg. No.	Description	Price /Each
SGC191	1010.000	Panoramaxx Welding Helmet	
SGC192	5000.270	Front Cover Lens, 5/Pkg.	
SGC193	5000.010	Inner Cover Lens, 5/Pkg.	
SGC194	5000.150	Magnification Lens, 1.00 Diopter	
SGC195	5000.151	Magnification Lens, 1.50 Diopter	
SGC196	5000.152	Magnification Lens, 2.00 Diopter	
SGC197	5000.153	Magnification Lens, 2.50 Diopter	

VEGAVIEW 2.5 WELDING HELMETS

- Brightest view in light state and grind mode at shade level 2.5
- Shade level 2.5/8-12
- External infinite shade level adjustment enables welders to manually adjust their shade level from 8-12
- True colour filter optimizes view of colours in true form
- Sensitivity control prevents ADF from responding too soon or not at all to their arc flash
- Opening delay allows welders to adjust the time it takes to switch from dark to light
- Curved helmet optimized for overhead welding
- Meets CSA standard Z94.3
- 2-year warranty



SFI930





SFI931

optrel

Model No.	Mfg. No.	Description	Colour	Price /Each
SFI930	1006.600	vegaview2.5 Helmet	Black Unpainted	
SFI931	5012.470	Replacement Auto-Darkening Filter	-	

ACCESSORIES

Model No.	Mfg. No.	Description	Qty/Pkg.	Price/Each
SAM898	5000.212	Front Cover Lenses	5	
SAM901	5000.300	Inside Cover Lenses	5	

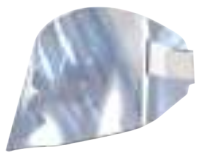
WELDING HELMETS & LENSES

WELDCAP®

- Combines the lightweight wear comfort of a baseball cap with full protection of an ADF welding helmet
- Lightweight, flame-retardant textile is soft where it must be comfortable, robust plastic is rigid where it must be tough
- Well-defined nose cut out places the lens closer to the eyes, enlarges the welder's line of sight by 2.7 times
- Weighs less than 14 ounces
- Sleek profile ideal for welder working in confined spaces
- Grind mode shade 3
- Shade level 3/9-12
- Meets Z87.1+ standard for impact resistance

optrel®


SEK224


SEK225


SEK227


SEK226


SEK230

Model No.	Mfg. No.	Description	Qty /Pkg.	Price /Each
SEK224	1008.000	Weldcap®	1	
SEK225	5000.260	Front Cover Lens	5	
SEK226	5000.040	Inside Cover Lens	5	
SEK227	5002.700	Nose Clip	2	
SEK228	5002.800	Replacement Textile Cap	1	
SEK229	5002.720	Battery Cover	2	
SEK230	5002.900	Parking Buddy Belt Clip	1	

NOVA AUTO-DARKENING FILTERS

- Automatically darken to shade 10
- Fits most competitive 2" x 4 1/4" openings
- Solar powered
- 2-year warranty

optrel®





Model No.	Mfg. No.	Price /Each
SAJ757	5012.238	

HELMET ACCESSORIES

HARD HAT ADAPTERS

- Simply remove existing headgear from any Optrel® helmet and install adapter
- For use with the majority of popular hard hat models
- Slip-on/off spring assembly for easy installation

optrel®



Model No.	Mfg. No.	Description	Price /Each
SAN048	5011.180	Fits all non-slotted hard hats	
SED541	5011.185	Fits all slotted hard hats	

LEATHER CHEST PROTECTORS

- Ensures the safety of welder's chest region
- Clip attachment grips the rim of helmet
- Provides secure fit while eliminating the need for hook and loop type attachments on shell

optrel®



Model No.	Mfg. No.	Description	Price /Each
SAN051	4028.015	Fits all Optrel® helmets	

LEATHER NECK PROTECTORS

- Covers the entire lower neck and back regions of head
- Clips on to the rim of the helmet shell

optrel®



Model No.	Mfg. No.	Description	Price /Each
SAN049	4028.016	Fits all Optrel® helmets	

OTHER ACCESSORIES

- **Sweatbands** - For use with all Optrel® helmets
- **Helmet Back Pack**- Back-pack style

optrel®


SGC236


SAN046

Model No.	Mfg. No.	Description	Qty /Pkg.	Price /Each
SAN046	5004.073	Front Sweatbands	2	
SDP288	5004.020	Back Sweatbands	2	
SGC236	6000.001	Helmet Back Pack	1	

SPEEDGLAS™ 9002NC ADF WELDING HELMET

- Precision optics, which provide a view that appears lighter, brighter and more realistic, giving you better control of the weld puddle
- A more comfortable suspension for longer weartime
- Lighter weight, better for longer wearing, just 17 oz.
- Slim fit, better for tight spots
- Simplified UI, easy to operate and maintain
- ADF Shade Range: Variable 8-12
- DF Viewing Area (hxw): 2.13x4.09"
- Battery Life: 2000 hours
- Battery Type: ADF: CR2032
- Colour: Black/Silver

SGF165



SGF164



SGF166



Model No.	Description	Price /Each
SGF164	Welding Helmet & Filter	
SGF166	Welding Helmet Only	
SGF165	Welding Filter Only	

SPEEDGLAS™ 9100 SERIES WELDING HELMETS

- Designed for optimal comfort and protection
- Head suspension changes not only how you wear the helmet, but also how you experience fit, stability and balance
- Smooth up-and-down pivot action that gently locks in the "up" position and the suspension keeps the helmet closer to user's head
- Light state shade 3 with five sensitivity levels
- Sensitivity adjustment allows for use with all Stick, MIG and TIG welding processes, with grinding and torch modes
- Feature a built-in mag plate holder and seven user selectable dark shades
- Available with shade 5 Side Windows to increase peripheral vision
- Filters available in different sizes, 9100V and 9100XX, 30% larger than any other Speedglas™
- Designed with the professional welder in mind
- Approved to CSA standard Z94.3

SEJ102



SEJ105





SEJ103



SEJ106



SEJ111

Model No.	Mfg. No.	Description	Viewing Area"	Shade	Price /Each
9100V					
SEJ101	06-0100-10	Helmet w/ADF Variable	1.8 x 3.7	5, 8 - 13	
SEJ102	06-0100-10SW	Helmet w/Side Windows and ADF Variable	1.8 x 3.7	5, 8 - 13	
SEJ103	06-0000-10	Cartridge Only, ADF Variable Shade	-	5, 8 - 13	
9100XX					
SEJ104	06-0100-30	Helmet w/ADF Variable	2.8 x 4.2	5, 8 - 13	
SEJ105	06-0100-30SW	Helmet w/Side Windows and ADF Variable	2.8 x 4.2	5, 8 - 13	
SEJ106	06-0000-30	Cartridge Only, ADF Variable Shade	-	5, 8 - 13	

ACCESSORIES

Model No.	Mfg. No.	Description	Qty /Pkg.	For Use W/Helmets	Price /Each
SEJ107	06-0200-10	Inside Protection Plate	5	9100V	
SEJ108	06-0200-30	Inside Protection Plate	5	9100XX	
SEJ109	06-0200-51	Outside Protection Plate	10	9100V, 9100XX	
SEJ110	06-0014-00NR	Hard Hat Adapter	1	9100V, 9100XX	
SEJ111	06-0400-51	Replacement Headgear	1	9100V, 9100XX	

Ask us about volume prices!

In many cases you will benefit from quantity prices.



WELDING HELMETS & LENSES

SPEEDGLAS™ 9100 WELDING HELMET & AUTO-DARKENING FILTER 9100XXI

- Grab and go with auto-on
- Two memory modes that allow you to set individual settings for dark shade
- Arc detection sensitivity is adjustable
- Delay function to set the dark-to-light opening time
- External grinding mode activation
- Adjustable head suspension increases comfort and stability
- Side windows help increase peripheral vision
- Welding cap, carry bag, and starter kit included
- Battery Life: Up to 1800 hours
- Meets ANSI Z87.1-2010


SGC237


SGC239

Model No.	Mfg. No.	Description	Price /Each
SGC239	06-0100-30ISW-CA	Speedglas™ 9100 Welding Helmet & Auto-Darkening Filter 9100XXi	
SGC237	06-0000-30I-CA	Speedglas™ Auto Darkening Filter 9100XXi	
SGC238	06-0000-30I-KIT-CA	Speedglas™ Auto Darkening Filter 9100XXi with Silver Front Panel	

3M™ POWERED AIR RESPIRATORS

- High efficiency particulate respiratory protection system for welders
- Welding helmet 9100-Air with auto-darkening filter offers the welder compact, lightweight respiratory protection and quality filter optics all-in-one
- SideWindows: Shade 5 side filters that increase peripheral vision
- Ergonomic, adjustable head suspension for increased comfort, helmet stability and weight distribution
- Selectable shades 5, 8-13 and Shade 3 light state; grinding and tack modes
- 5-position sensitivity control • Adjustable recovery delay • Solar panel
- Storage bag, do-rag and starter kit included
- Meets ANSI Z87.1 and approved to CSA Z94.3 for eye and face protection
- Approved for use in all stick, MIG and TIG applications
- Breathing tube is SG-30W
- Offers assigned protection factor (APF) of 25 when used as a NIOSH-approved system
- Lens Type: Variable
- PAPR Battery Life Time: Up to 12 Hours




SDM014

Model No.	Mfg. No.	Viewing Area L" x W"	ADF Battery Life Time (hrs)	Solar Cell	Price /Each
SDM014	35-1101-10SW-CA	1.8 x 3.7	2800	Yes	
SDM016	35-1101-30SW-CA	2.84 x 4.2	2000	Yes	

REPLACEMENT FILTERS & CARTRIDGES

Model No.	Mfg. No.	Description	Price /Each
SAN357	15-0009-99X02	2-pack Adflo™ Spark Arrestor	
SAN358	15-0099-99X06	6-pack Adflo™ Prefilter	
SAN359	15-0099-99X12	12-pack Adflo™ Prefilter	
SAN360	15-0199-99X02	2-pack Adflo™ HE Particle Filter	
SAN362	15-0199-99X36	36-pack Adflo™ HE Particle Filter	
SAN363	15-0399-99X02	2-pack Adflo™ OV/SD/CL/HC Cartridge	
SAN364	15-0399-99X06	6-pack Adflo™ OV/SD/CL/HC Cartridge	

SPEEDGLAS™ ACCESSORIES

- **Protective bag** used to help protect the Speedglas™ helmets assembly when not in use
- **Full hood** for use with Speedglas™ welding helmets to provide additional protection to the user from welding spark and spatter on the top portion of the head, neck and shoulders
- Hood is made of 75% FR cotton and 25% Kevlar synthetic fiber



SEJ119


SEE884

Model No.	Mfg. No.	Description	Price /Each
SEJ119	06-0500-65	Protective Bag	
SEE884	06-0700-83	Full Hood	

FILTER PLATE LENSES

- Provides ultimate protection against ultraviolet and infrared rays present during the welding process
- Attenuates varying proportions of ultraviolet, visible and infrared rays in conformance with industry standards
- Precision ground and edged to allow a proper and safe fit
- Optically correct and precisely shaded
- Hardened glass

SAN083



SAN067



SAN078



Model No.	Mfg. No.	Shade	Price /Each
2" x 4 1/4"			
SAN061	FS-1H-4	4	
SAN062	FS-1H-5	5	
SAN063	FS-1H-6	6	
SAN064	FS-1H-7	7	
SAN065	FS-1H-8	8	
SAN066	FS-1H-9	9	
SAN067	FS-1H-10	10	
SAN068	FS-1H-11	11	
SAN069	FS-1H-12	12	
SAN070	FS-1H-13	13	
SAN071	FS-1H-14	14	

Model No.	Mfg. No.	Shade	Price /Each
4 1/2" x 5 1/4"			
SAN073	FS-5H-5	5	
SAN074	FS-5H-6	6	
SAN075	FS-5H-7	7	
SAN076	FS-5H-8	8	
SAN077	FS-5H-9	9	
SAN078	FS-5H-10	10	
SAN079	FS-5H-11	11	
SAN080	FS-5H-12	12	
SAN081	FS-5H-13	13	
SAN082	FS-5H-14	14	
50 MM			
SAN083	FL-5H-4	4	
SAN084	FL-5H-5	5	

MAGNIFYING LENSES

- Makes a welder's work easier and more comfortable
- Useful for precision welding jobs
- Offers optically balanced magnifications in 0.25 increments
- 2" x 4 1/4"

NT657



SAN100



Model No.	Diopter Strength	Price /Each
GLASS		
NT652	0.75	
NT653	1.00	
NT654	1.25	
NT905	1.50	
NT655	1.75	
NT656	2.00	
NT657	2.25	
NT658	2.50	
NT659	3.00	

Model No.	Diopter Strength	Price /Each
PLASTIC		
SAN095		1.008.99
SAN096	1.25	
SAN097	1.50	
SAN098	1.75	
SAN099	2.00	
SAN100	2.25	
SAN101	2.50	

CLEAR COVER LENSES

- Polycarbonate lenses are for eye protection against light impact such as sparks and small particles
- Cast resin lenses are also for eye protection and are more resistant to heat, scratching and pitting
- Clear glass lenses are not impact resistant and are only for use against spatter

NT602



NT601



Model No.	Mfg. No.	Size	Price /Each
POLYCARBONATE			
NT601	WELD-MATE	2" x 4 1/4"	
NT602		4 1/2" x 5 1/4"	
CAST RESIN			
SAN055	PP-2	2" x 4 1/4"	
SAN056	PP-4	4 1/2" x 5 1/4"	
SAN057	PL-5	50 mm	
CLEAR GLASS			
SAN058	GP-2	2" x 4 1/4"	
SAN059	GP-4	4 1/2" x 5 1/4"	

OMNI-VIEW® GOLD FILTER PLATES

- Made of breakage resistant polycarbonate
- Allows welder to see more in clearer and natural colours
- Gold coating reflects harmful infrared generated by an arc, keeping eyes cooler and more comfortable

SAN108



SAN120



Model No.	Mfg. No.	Shade	Price /Each
2" x 4 1/4"			
SAN106	FP2G-8	8	
SAN107	FP2G-9	9	
SAN108	FP2G-10	10	
SAN109	FP2G-11	11	
SAN110	FP2G-12	12	

Model No.	Mfg. No.	Shade	Price /Each
4 1/2" x 5 1/4"			
SAN117	FP4G-8	8	
SAN118	FP4G-9	9	
SAN119	FP4G-10	10	
SAN120	FP4G-11	11	
SAN121	FP4G-12	12	

MILLER®/HOBART® COMPATIBLE AUTO-CHANGE COVER LENSES

- Replacement lenses provide an effective and cost efficient method of protecting investment
- Made of 100% impact-resistant polycarbonate



Model No.	Mfg. No.	Type of Lens	Qty /Package	For Use with Helmets	Price /Each
TTU323	231410/770237	Inside/Outside	5	FS/XL/Xli/Xlix/Performance	
TTU324	770240	Outside	5	XL/Xli	
TTU325	770241	Outside	5	Xlix	
TTU326	216327	Inside	5	Elite/Digital Elite	
TTU327	216326	Outside	5	Elite/Digital Elite	
TTU328	231410	Inside	5	Pro-Hobby	
TTU329	231411	Outside	5	Pro-Hobby	
TTU330	231921	Outside	5	Performance	

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WELDING CLOTHING

STANDARD WELDING KITS

- Kit comes with complete gear bag
- **Kit Includes:**
  - Carbon steel scratch brush, long handle, 3 x 19
  - Chipping hammer, cone and chisel head with spring steel handle
  - MIG pliers, 8-way with nickel-plated finish
  - Flat soapstone holder with soapstone
  - C-clamp locking pliers with swivel pads
  - Locking welding clamps
  - Flip front shade 5 goggles, 2" x 4 1/4"
  - Safety glasses, meets or exceeds CSA Z94.3 standard
  - Cotton welders' beanie, one size fits all
  - Welders' gloves, split cowhide leather with full thermal cotton lining
  - Golden brown leather jacket
  - Welding helmet, flip front shade 10



Model No.	Jacket Size	Price /Each
TTV186	Medium	
TTV187	Large	
TTV188	X-Large	
TTV189	2X-Large	
TTV190	3X-Large	

PREMIUM WELDING KITS

- Kit comes with complete gear bag
- **Kit Includes:**
  - Carbon steel scratch brush, long handle, 3 x 19
  - Chipping hammer, cone and chisel head with spring steel handle
  - MIG pliers, 8-way with nickel-plated finish
  - Flat soapstone holder with soapstone
  - C-clamp locking pliers with swivel pads
  - Locking welding clamps
  - Flip front shade 5 goggles, 2" x 4 1/4"
  - Safety glasses, meets or exceeds CSA Z94.3 standard
  - Cotton welders' beanie, one size fits all
  - Welders' gloves, top split cowhide leather with full thermal cotton lining
  - Proban jacket with leather sleeves
  - Welding helmet, variable ADF shade 9-13



Model No.	Jacket Size	Price /Each
TTV191	Medium	
TTV192	Large	
TTV193	X-Large	
TTV194	2X-Large	
TTV195	3X-Large	

ULTIMATE WELDING KITS

- Kit comes with complete gear bag
- **Kit Includes:**
  - Carbon steel scratch brush, long handle, 3 x 19
  - Chipping hammer, cone and chisel head with spring steel handle
  - MIG pliers, 8-way with nickel-plated finish
  - Flat soapstone holder with soapstone
  - C-clamp locking pliers with swivel pads
  - Locking welding clamps
  - Flip front shade 5 goggles, 2" x 4 1/4"
  - Safety glasses, meets or exceeds CSA Z94.3 standard
  - Cotton welders' beanie, one size fits all
  - Welders' gloves, premium split cowhide leather with full thermal cotton lining
  - Lava brown leather jacket
  - Welding helmet, variable ADF solar-powered shade 9-13 with sensitivity and delay adjustments



Model No.	Jacket Size	Price /Each
TTV196	Medium	
TTV197	Large	
TTV198	X-Large	
TTV199	2X-Large	
TTV200	3X-Large	

SF130 WELDING GRADE ERGONOMIC CHAIRS

- Ideal for confined areas or when fast and efficient movement is required
- Adjustable seat height allows flexibility and freedom of movement for users of different sizes
- Dual-density cushions and closed-cell foam padding
- Flame retardant natural cow suede
- Colour: Black
- Standard Pneumatic Lift: 18" to 23"
- Seat Dimension: 12.5" W x 12" D
- Overall Dim.: 23" L x 23" W x 23" H
- Weight Capacity: 300 lbs.
- Five 3" caster wheels that are adaptable to all surfaces

Model No. OP499
Price/Each $

Synetik
ErgoDesign



STAG4 WELDING GRADE ERGONOMIC BENCHES

- Ergonomic seat allows users to work in a kneeling position with comfort
- Reduces pressure sensations felt in the knees, ankles and lumbar region
- One lever mechanism for seat height adjustment and 20° adjustable slope for kneeling position
- Padding: Dual-density cushions and closed-cell foam
- Upholstery: Flame retardant natural cow suede
- Standard pneumatic lift: 17.5" to 22.5"
- Knees: 8.5" W x 15.5" D
- Dimensions of seat: 12.5" W x 12" L
- Five 3" caster wheel adaptable to all surfaces
- Includes tool tray
- Colour: Black
- Material: Suede
- Weight Capacity: 300 lbs.
- Overall Dimensions: 20" L x 28" W x 21" H

Model No. OG348
Price/Each $

Synetik
ErgoDesign



ROD HOLDERS

- Double leather bottom and metal swivel clip
- 5-ply Kevlar® stitched with rivet reinforcement

Model No. NP519
Price/Each $

WELD-MATE



LAVA BROWN LEATHER JACKETS

- Designed to allow complete body movement and freedom
- Heat and flame-resistant leather is made from durable side split cowhide
- Seams are double lockstitched
- Include full-sized pocket and multiple-snap adjustment cuffs
- Roll-up collar stops shooting spatter







Model No.	Size	Chest Measurements	Price /Each
TTU398	Medium	40-42"	
TTU399	Large	44-46"	
TTU400	X-Large	48-50"	
TTU401	2X-Large	52-54"	
TTU402	3X-Large	56-58"	
TTU403	5X-Large	64-66"	

LAVA BROWN LEATHER ACCESSORIES

- Designed to allow even weight distribution on the user to reduce fatigue
- Heat and flame-resistant leather is made from durable side split cowhide







Model No.	Size	Price/Each
A. SLEEVE		
TTU389	23" L, Pair	
B. CAPE SLEEVES		
TTU407	Small	
TTU405	Medium	
TTU406	Large	
TTU408	X-Large	
TTU409	2X-Large	
TTU410	3X-Large	
C. BIBS		
TTU411	14" L	
TTU412	20" L	
D. SPLIT LEG APRONS & CHAPS		
TTU396	42" L	
TTU397	48" L	
TTU404	Chaps	
E. WAIST APRONS		
TTU392	24" L	
F. BIB APRONS		
TTU393	36" L	
TTU394	42" L	
TTU395	48" L	
G. SPATS		
TTU390	6" L, Pair	
TTU391	14" L, Pair	

PROBAN WELDING JACKETS

COOL PROTECTION, COOL LOOK!

- Superior flame, heat and abrasion-resistant, select cowhide sleeves for heavy-duty protection
- 30" length jacket made of black 9-oz. Proban FR-7A flame-retardant cotton sateen for safety and cool comfort
- Five-snap closure front minimizes hot shooting spatter from entering
- Inside utility pocket for safety and convenience



Model No.	Size	Chest Measurements	Price /Each
TTV013	Medium	40-42"	
TTV014	Large	44-46"	
TTV015	X-Large	48-50"	
TTV016	2X-Large	52-54"	
TTV017	3X-Large	56-58"	
TTV018	5X-Large	64-66"	

GOLDEN BROWN LEATHER JACKETS

- Made of heat and abrasion-resistant select split cowhide
- Sewn with Kevlar® thread for added seam strength
- Roll-up collar with velcro closure and welted shoulder seams
- Reinforced double leather snap panel



Model No.	Size	Chest Measurements	Price /Each
TTU384	Medium	40-42"	
TTU385	Large	44-46"	
TTU386	X-Large	48-50"	
TTU387	2X-Large	52-54"	
TTU388	3X-Large	56-58"	

FLAME RETARDANT CLOTHING

- Manufactured from flame-retardant treated cotton sateen
- Will retain its flame-retardant properties for up to 50 normal washings
- Specially-designed underarm sport cut and hemmed collar
- 9-oz. jackets include inside pocket and five snaps
- 9-oz. cape sleeves come with six snap fasteners for bib (sold separately)

TTU998



Model No.	Size	Chest Measurements	Price /Each
JACKETS			
TTU998	Medium	40-42"	
TTU999	Large	44-46"	
TTV001	X-Large	48-50"	
TTV002	2X-Large	52-54"	
TTV003	3X-Large	56-58"	
TTV004	5X-Large	64-66"	
CAPE SLEEVES			
TTV005	Medium	40-42"	
TTV006	Large	44-46"	
TTV007	X-Large	48-50"	
TTV008	2X-Large	52-54"	
TTV009	3X-Large	56-58"	
BIB & SLEEVES			
TTV010	20" Length Bib	-	
TTV011	18" Long Sleeve, Pair	-	
TTV012	23" Long Sleeve, Pair	-	

WELDING CLOTHING

WELDERS' CAPS

- Athletic mesh lining to allow sweat vapour to quickly evaporate
- Pre-shrunk and presoftened lightweight fabric, flame retardant until washed
- Air cushioned front lining for comfort and sweat absorbency
- **Sold per package**

Assorted styles include:
Happy Hour, Paradise, Camo, and Wild



Happy Hour | Paradise | Camo | Wild






Model No.	Diameter	Qty /Pkg.	Price /Each
ASSORTED			
NT838	7 1/8"	12	
NT839	7 1/4"	12	
NT840	7 3/8"	12	
NT841	7 1/2"	12	
NT842	7 5/8"	12	
CAMO			
NT843	7 1/8"	12	
NT844	7 1/4"	12	
NT845	7 3/8"	12	
NT846	7 1/2"	12	
NT847	7 5/8"	12	

WELDERS' DOORAGS

- Athletic mesh lining to allow sweat vapour to quickly evaporate
- Pre-shrunk and pre-softened lightweight fabric, flame retardant until washed
- Air cushioned front lining for comfort and sweat absorbency
- Assorted styles
- One size fits all
- **Sold per package**





Happy Hour | Paradise | Camo | Wild






Model No.	Assorted Styles	Qty/ Pkg.	Price /Each
NT835	Camo, Wild, Happy Hour	12	
NT836	Happy Hour, Paradise, Wild	12	
NT837	Authentic Woodland Camo	12	

COTTON WELDERS' BEANIES

- 100% flame resistant cotton
- Added protection under welding helmet
- Two colours (black and white)
- One size fits all
- Imprint available with minimum quantity

Model No. SEE845
Price/Each $



HEADGEAR PADS & SWEATBANDS

- Field tested to improve helmet grip with maximum perspiration absorption
- Headgear pads are flame retardant for added safety
- Made of an absorbent air cushioned layer lined with 10% fleece cotton
- Velcro fastening system is designed to fit all major brands of headgear
- Sweatbands come with elastic strap
- **Sold per package of two**




Suspender headgear


Sweatband


Non-suspender headgear

Model No.	Description	Price /Each
620-3200V	Suspender Pads For Use With Hard Hats	
SAM548	Sweatbands	
620-3100V	Non-Suspender Pads For Use With Welding Helmets	

WELDING KNEE PADS

- Made of heat-resistant leather
- Flexible non-skid cap designed to stand up to the everyday demands of the welding environment
- Ideal for welding as well as high heat applications such as smelters and foundries
- **Sold per pair**

Model No. SM777 **Mfg. No.** 6991-01Q
Price/Each $



LEATHER KNEE PADS

- Tough abrasion-resistant leather for maximum protection and soft cushion back for comfort
- Elastic straps with velcro closures ensure a secure fit resistant to heat and fire
- Ideal for welders or any construction application such as concrete work
- **Sold per pair**

Model No. SAL218 **Mfg. No.** 6991
Price/Each $



SEE PAGES 528 - 557
FOR OUR FULL
CLOTHING LINE.

WELDERS' DEERSKIN TIG GLOVES

- Premium split deerskin leather construction
- Designed for precision welding applications
- Superior fit and dexterity
- Double thumb strap extends wear life
- 4" gauntlet cuff provides superior protection
- Exceptionally soft finish
- Sewn with DuPont® Kevlar® thread for higher seam strength and seam flame resistance



Case Qty: 120 **Priced per Pair**

Model No.	Size	Price /Each
SM597	Small	
SM598	Medium	
SM599	Large	
SM600	X-Large	
SAP293	2X-Large	

WELDERS' PIGSKIN TIG GLOVES

- Premium grain pigskin leather construction
- Designed for precision welding applications
- Excellent fit and dexterity
- Exceptional durability
- Double thumb strap extends wear life
- 4" gauntlet cuff provides superior protection
- Sewn with DuPont® Kevlar® thread for higher seam strength and seam flame resistance



Case Qty: 120 **Priced per Pair**

Model No.	Size	Price /Each
SAN639	Small	
SAN640	Medium	
SAN641	Large	
SAN642	X-Large	

WELDERS' SOFTOUCH™ PIGSKIN TIG GLOVES

- Seamless index finger construction provides unobstructed control over small diameter welding rods and ultra light TIG torches
- Extra long cuff offers wrist and forearm protection against heat
- 4" split pigskin cuff, seamless index finger
- Sewn with DuPont® Kevlar® thread for higher seam strength and seam flame resistance



Case Qty: 72 **Priced per Pair**

Model No.	Size	Price /Each
610-2008M	Medium	
610-2008	Large	

WELDERS' STANDARD QUALITY GLOVES

- Rugged split cowhide leather construction
- Excellent abrasion resistance
- Thermal cotton palm lining provides added heat protection
- Welted seams at all critical points
- Sewn with DuPont® Kevlar® thread for higher seam strength and seam flame resistance



Case Qty: 72 **Priced per Pair**

Model No.	Description	Size	Price /Each
SA0130	Gloves	Large	
SA0131	One-Finger Mitt	Large	

WELDERS' SUPERIOR QUALITY GLOVES

- Top split cowhide leather construction
- Excellent abrasion resistance
- Outside double palm and thumb extend wear life
- Thermal cotton palm lining provides added heat protection
- Welted seams at all critical points
- Sewn with DuPont® Kevlar® thread for higher seam strength and seam flame resistance



Case Qty: 72 **Priced per Pair**

Model No.	Description	Size	Price /Each
SA0128	Gloves	Large	
SAP352	Gloves	X-Large	
SA0129	One-Finger Mitt	Large	

WELDING GLOVES

WELDERS' PREMIUM QUALITY GLOVES

- Premium split cowhide leather construction
- Excellent abrasion resistance
- Outside double palm and thumb extend wear life
- Thermal cotton palm lining provides added heat protection
- Welted seams at all critical points
- Sewn with DuPont® Kevlar® thread for higher seam strength and seam flame resistance



Case Qty: 72 **Priced per Pair**

Model No.	Size	Price /Each
SAN635	Large	

WELDERS' PREMIUM QUALITY FOAM LINED GLOVES

- Premium split cowhide leather construction
- Excellent abrasion resistance
- Full reinforced thumb strap extends wear life
- Cotton covered foam lining provides superior heat protection
- Welted seams at all critical points
- Sewn with DuPont® Kevlar® thread for higher seam strength and seam flame resistance



Case Qty: 72 **Priced per Pair**

Model No.	Size	Price /Each
SAN277	Large	

WELDERS' COMFOFLEX™ PREMIUM QUALITY GLOVES

- Heat and flame resistant shoulder split cowhide
- Fully sock lined for added comfort
- Kevlar® stitched welted seams
- 13 1/2" long with reinforced thumb
- Fully welted DuPont® Kevlar® stitched seams for higher seam strength and flame resistance



Case Qty: 72 **Priced per Pair**

Model No.	Size	Price /Each
610-0328	Large	

WELDERS' COMFOFLEX™ PREMIUM LINED GLOVES

- Flame retardant, air cushioned, sweat absorbent lining
- Provides incomparable comfort and extra insulation
- Buck tan, heat resistant side split cowhide
- Outside double palm and thumb extend wear life
- Sewn with DuPont® Kevlar® thread for higher seam strength and seam flame resistance



610-2000

Case Qty: 72 **Priced per Pair**

Model No.	Description	Price /Each
610-2000	Welding Gloves	
610-2178	One-Finger Mitts	
610-2076	Pigskin Gloves	

WELDERS' PIPELINER GLOVES

- Premium split cowhide leather exterior construction
- Full grain cowhide leather interior provides incomparable comfort
- Protective leather patch on back of left hand
- Excellent abrasion resistance
- Reinforced thumb extends wear life
- Sewn with DuPont® Kevlar® thread for higher seam strength and seam flame resistance



Case Qty: 72 **Priced per Pair**

Model No.	Size	Price /Each
SAV008	Large	
SEB930	X-Large	

WELDERS' PREMIUM COWHIDE TIG GLOVES

- Premium grain cowhide leather construction
- Unparalleled fit and dexterity with exceptional durability
- Welted seams and straight thumb for expert control
- 4" gauntlet cuff provides superior protection
- Designed for precision welding applications
- Sewn with DuPont® Kevlar® thread for higher seam strength and seam flame resistance



Case Qty: 72 **Priced per Pair**

Model No.	Size	Price /Each
SDL992	Medium	
SDL993	Large	
SDL994	X-Large	

WELDERS' HEAVY-DUTY GENERAL PURPOSE PREMIUM COWHIDE GLOVES

- Premium grain cowhide leather construction with split cowhide leather palm
- Unlined palm for increased comfort and dexterity
- 6" gauntlet cuff for increased protection
- Reinforced thumb extends wear life
- Fully welted DuPont® Kevlar® stitched seams for higher seam strength and flame resistance



Case Qty: 72 **Priced per Pair**

Model No.	Size	Price /Each
SDL995	Medium	
SDL996	Large	
SDL997	X-Large	

WELDERS' COMFOFLEX™ PEARL DEERSKIN GLOVES

- 14 1/2" incredibly soft, genuine North American deer hides
- Flame retardant, air cushioned, sweat absorbent lining
- Thick pliable layer of protection that easily molds to your hand for added comfort
- Sewn with DuPont® Kevlar® thread for higher seam strength and seam flame resistance



Case Qty: 40 **Priced per Pair**

Model No.	Size	Price /Each
610-2850	Large	

HIGH HEAT HAND SHIELDS

- Aluminized PFR rayon reflects 95% radiant heat
- 5-ply DuPont® Kevlar® sewn and split cowhide backing for extra durability
- Leather and elastic strap system
- **Sold individually**



SE549

Case Qty: 144 **Priced per Shield**

Model No.	Size	Price /Each
TTV019	Hand Shield	
SE549	Premium Hand Shield	

FABRICATOR GLOVES

- High-dexterity glove designed exclusively for intricate fabrication of sheet metal, welding and bodywork
- 100% genuine leather construction
- Three heat-resistant cowhide panels on heel, inside, and outer edge of palm
- Fingertip reinforcements on index, middle and ring fingers
- Dual-layer leather knuckle band
- Plush, suede deerskin top and fingers
- Stretch Kevlar® protective wedge insert
- Oversize, easy-entry, hook and loop closure
- CE approved



Case Qty: 120 **Priced per Pair**

Model No.	Mfg. No.	Size	Price /Each
SAN869	MFG-05-008	Small (8)	
SAN870	MFG-05-009	Medium (9)	
SAN871	MFG-05-010	Large (10)	
SAN872	MFG-05-011	X-Large (11)	
SAN873	MFG-05-012	2X-Large (12)	

WELDING BLANKETS & SCREENS

24-OZ. FIBREGLASS LAVASHIELD™ WELDING BLANKETS

- 24-oz. black fibreglass with neoprene coated on both sides
- Hemmed on all sides with Kevlar® thread that has been double-locked stitched
- Large brass grommets added for extra durability and easy handling
- Temperature resistance: 1000 °F (538 °C)

Applications: Heavy-duty vertical curtain protection against sparks, molten metal splash, welding spatter and grinding spray. General purpose drop cloth for protection against welding spatter.



Model No.	Dimensions'	Price /Each
NT896	6 x 6	
NT821	6 x 8	

30-OZ. FIBREGLASS LAVASHIELD™ WELDING BLANKETS

- 30-oz. gold fibreglass with neoprene coated on both sides
- Hemmed on all sides with Kevlar® thread that has been double-locked stitched
- Large brass grommets added for extra durability and easy handling
- Temperature resistance: 1000 °F (538 °C)

Applications: Heavy-duty drop cloth and vertical curtain protection against sparks, molten metal splash, welding spatter and grinding spray.



Model No.	Dimensions'	Price /Each
NT822	6 x 6	
NT823	6 x 8	

18-OZ. SILICA LAVASHIELD™ WELDING BLANKETS

- 18-oz. Sahara brown silica fabric
- Hemmed on all sides with Kevlar® thread that has been double-locked stitched
- Large brass grommets added for extra durability and easy handling
- Temperature resistance: 2192°F (1200°C)

Applications: General purpose drop cloth and vertical curtain protection against extremely high temperature sparks, molten splash, welding spatter and grinding spray.



Model No.	Dimensions'	Price /Each
NT824	3 x 3	
NT825	6 x 6	

WELDING BLANKETS

- Weldflex specially coated cloth, combination of aramid and silica fibres
- Treated to enhance shedding of molten metal splash generated by most severe welding or furnace operations
- Highly abrasion resistant, exceptional strength and durability, good heat resistance
- Soft, pliable and non-irritating
- Sheds welding spatter and molten metal up to 3000 °F on a 15°-20° incline
- Protects objects and machinery while welding



Model No.	Mfg. No.	Dimensions'	Price /Each
SF063	FB-020-0505	5 x 5	
SF064	FB-020-0506	5 x 6	
SF065	FB-020-0507	5 x 7	
SF066	FB-020-0508	5 x 8	
SF067	FB-020-0509	5 x 9	
SF068	FB-020-0510	5 x 10	

WILSON* WELD-O-GLASS WELDING BLANKETS

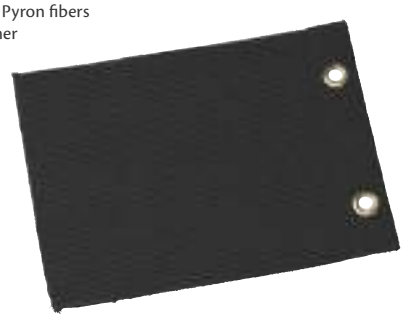
- 24-oz. black fibreglass, vermiculite coated
- Heavy-duty, general purpose welding blankets
- Provides protection from sparks, spatter and slag
- Temperature resistance: 1200 °F



Model No.	Mfg. No.	Dimensions'	Price /Each
146-1312	36302	6 x 6	
146-1367	36318	6 x 8	

FLAME PROTECTOR

- Made with flame-retardand Zoltek Pyron fibers
- Protects studs, walls, floors and other surfaces from sparks or flame
- Ideal for use with propane and MAPP gas torches
- Withstands temperatures up to 2500° F
- Includes brass eyelets for hanging from a stud or wall
- Size: 9" W x 12" L



Model No.	Mfg. No.	Price /Each
BP918	31400	

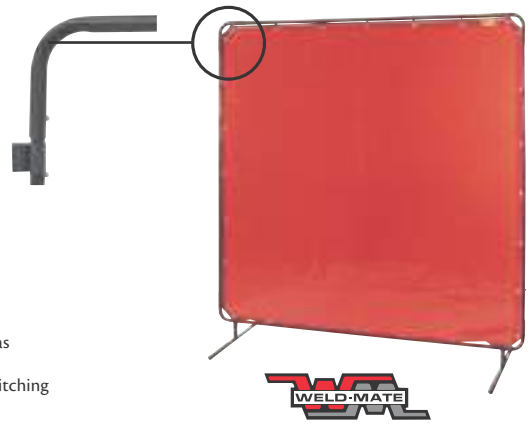
ZENITH® Safety Products
Safety Products for Industry



COMBOFRAME ADJUSTABLE MODULAR WELDING SCREENS

FRAMES

- Innovative COMBOframe combines high durability with extreme versatility
- Made with heavy-duty finished steel tubing and connects with spring-pins
- Assembles in less than five minutes, no tools required
- Adjustable to fit both 6' and 8'-wide welding screens
- Includes 360° swivel connectors that allow various configurations



LAVASHIELD™ CURTAINS

- Specially formulated 16-mil thick vinyl
- **NT832** and **NT833**: 25-mil thick cotton duck canvas
- Grommets every 12" interval
- Screen edges are hemmed with DuPont® Kevlar® stitching
- Resists to UV rays, flame and abrasion
- **Sold per panel**

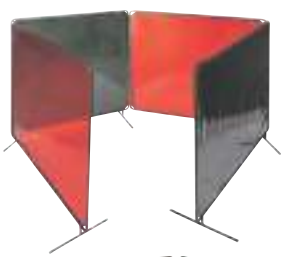
Yellow



Orange



Green



Olive



CURTAINS & FRAMES

CURTAINS ONLY

Model No.	Dimensions W' x H'	Transparency	UV Resistance	Colour	Price /Each	Model No.	Price /Each
NT888	6 x 6	High	Moderate	Yellow		**NT826**	
NT889	8 x 6	High	Moderate	Yellow		**NT827**	
NT890	6 x 6	High	Moderate	Orange		**NT828**	
NT891	8 x 6	High	Moderate	Orange		**NT829**	
NT892	6 x 6	Moderate	Moderate	Green		**NT830**	
NT893	8 x 6	Moderate	Moderate	Green		**NT831**	
NT894	6 x 6	Opaque	Maximum	Olive		**NT832**	
NT895	8 x 6	Opaque	Maximum	Olive		**NT833**	

FRAMES ONLY

Model No.	Description	Price /Each
NT834	Modular Frame, Adjustable Width 6' or 8'	

OPTIONAL CASTERS

Model No.	Description	Price /Each
SEB618*	2" Rubber Caster with Brake	

*Sold individually, two casters required per frame's foot



SEB618

WILSON* WELDING SCREENS

- Comprised of 1" square steel tubing assembled with unique corner brackets for the toughest frame product available
- Minimizes frame wobble and sway
- Offer unique combination of strength, sturdiness and safety
- Orange Spectra see thru curtain filters 100% of far UV radiation and 100% of blue light
- Heavy-duty 14-mil vinyl film minimizes arc glare
- Custom sizes available
- **Sold per panel**



Kimberly-Clark PROFESSIONAL®

Model No.	Mfg. No.	Dimensions W' x H'	Price /Each
CURTAINS & FRAMES			
TTV105	-	6 x 6	
TTV106	-	8 x 6	
TTV107	-	10 x 6	
FRAME ONLY			
TTV099	36336	6 x 6	
TTV100	36338	8 x 6	
TTV101	36333	10 x 6	
CURTAIN ONLY			
146-1280	36292	6 x 6	
146-1340	36307	8 x 6	
146-1510	36278	10 x 6	

WELDSAFE® NO. 447

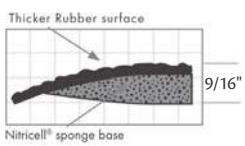
- Dramatically reduces fatigue while withstanding the challenges of welding environments
- Specially formulated to repel sparks and hot metal shards, the thick rubber surface has a melt point of over 500°F
- The super resilient Nitricell® sponge base is a nitrile rubber composite that offers unparalleled comfort
- All edges are safety bevelled
- 9/16" thick
- Green rating > 33% post industrial material
- Colour: Black

3-YEAR WARRANTY



WEARWELL

Anti-fatigue mat specifically designed for welding!



Model No.	Dimensions W' x L'	Price /Each
NG181	2 x 3	
NG182	3 x 5	

WELDING CHAIRS

VEGA WELDING GRADE ERGONOMIC CHAIR

Synetik ErgoDesign

- Adjustable seat height and backrest provides optimal back support for users of different sizes
- Provides lower limbs, back and shoulders support
- Colour: Black
- Flame retardant natural cow suede
- Standard Pneumatic Lift: 19" to 24"
- Backrest Dimension: 12" W x 15.5" H
- Seat Dimension: 17.5" W x 16" D
- Overall Dimensions: 25" W x 25" L x 37" H
- Weight Capacity: 300 lbs.
- Five 3" caster wheels that are adaptable to all surfaces

Model No. OP509
Mfg. No. VEGA-IND-MM
Price/Each $







FLEX WELDING GRADE ERGONOMIC CHAIRS

- Ergonomic chair that reduces pressure sensations felt in the buttocks, wrists and lumbar region
- Reduces fatigue by limiting muscular effort
- Colour: Black
- Flame retardant natural cow suede
- Standard Pneumatic Lift: 18.5" to 23.5"
- Seat: 15" L x 18" W
- Overall Dimensions: 19" L x 27" W x 21" H
- Weight Capacity: 300 lbs.
- Five 3" caster wheels adaptable to all surfaces

Model No. OP275
Mfg. No. FLEX-MM
Price/Each $







Synetik ErgoDesign

FLEX 2 WELDING GRADE ERGONOMIC CHAIRS

- Ergonomic chair that reduces pressure sensations felt in the buttocks and lumbar region
- Allows users to quickly adjust working position
- Colour: Black
- Upholstery: Flame retardant natural cow suede
- Backrest is adjustable at an angle of 15° to 85° to the ground
- Dimensions of backrest: 17" W x 28" H
- Overall dimensions when backrest is completely lowered: 49" L x 19" W x 14.5" H
- Weight Capacity: 300 lbs.
- Four 3" caster wheels that are adaptable to all surfaces

Model No. OP428
Mfg. No. FLEX2-MM
Price/Each $







Synetik ErgoDesign

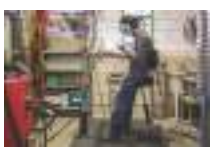
TA300 WELDING GRADE ERGONOMIC CHAIR

- Improves comfort while working on elevated surfaces
- The backrest provides support and reduces muscular fatigue and discomfort
- Colour: Black
- Flame retardant natural cow suede
- Standard Pneumatic Lift: 24.5" to 34.5"
- Backrest Dimension: 12.5" W x 10.5" H
- Seat Dimension: 11.5" W x 10.5" D
- Overall Dimensions: 21" L x 16.5" W x 51" H
- Weight Capacity: 300 lbs.

Model No. OP497
Mfg. No. TA300-MM
Price/Each $

Synetik ErgoDesign





TF150 WELDING GRADE ERGONOMIC CHAIR

- Reduces the feeling of pressure by promoting circulation and mobility
- Footrest reduces muscular effort in the lumbar region and in the legs
- Adjustable seat height and backrest provides optimal back support for users of different sizes
- Standard Pneumatic Lift: 19.75" to 27.5"
- Colour: Black
- Flame retardant natural cow suede
- Seat Dimension: 12.5" W x 12" D
- Backrest Dimension: 12" W x 6.5" H
- Overall Dimensions: 28" L x 28" W x 40" H
- Weight Capacity: 300 lbs.
- Five 3" caster wheels that are adaptable to all surfaces

Model No. OP503
Mfg. No. TF150-IND-MM
Price/Each $

Synetik ErgoDesign







TA180 WELDING GRADE ERGONOMIC STOOLS

- Ergonomic stool that improves user comfort and reduces foot and leg pain due to prolonged standing
- Ideal for users that need freedom of movement
- Colour: Black
- Base is equipped with non-skid pads
- Dual-density cushions and closed-cell foam padding
- Standard Pneumatic Lift: 26.75" to 36.75"
- Seat: 10" L x 12" W
- Overall Dimensions: 16" L x 22" W x 27" H
- Weight Capacity: 300 lbs.

Model No. OP277
Mfg. No. TA180-MM
Price/Each $

Synetik ErgoDesign



ER70S6 CARBON STEEL WELDING WIRE

- Highest combination of manganese and silicone deoxidizers
- Permits high current welding with CO_2 gas shielding
- Can also be applied with $ArCO_2$
- Excellent wetting
- Good for out-of-position welding using short circuiting transfer
- Layer/level wound wire
- Certified by CWB to CSA class W48 for ER49S-6
- Certified by AWS to class A5.18 for ER70S6





NT549



TTU049

Priced per Spool

Model No.	Diameter	Spool Wt.	Spools Per Master Box	Price /Each
NT549	0.023"/0.6 mm	2 lbs./0.9 kg	18	
NT550	0.030"/0.8 mm	2 lbs./0.9 kg	18	
NT551	0.035"/0.9 mm	2 lbs./0.9 kg	18	
NT552	0.045"/1.14 mm	2 lbs./0.9 kg	18	
NT553	0.023"/0.6 mm	11 lbs./5 kg	4	
NT554	0.030"/0.8 mm	11 lbs./5 kg	4	
NT555	0.035"/0.9 mm	11 lbs./5 kg	4	
NT556	0.023"/0.6 mm	33 lbs./15 kg	1	
NT557	0.030"/0.8 mm	33 lbs./15 kg	1	
NT560	0.035"/0.9 mm	44 lbs./20 kg	1	
NT561	0.045"/1.14 mm	44 lbs./20 kg	1	

Priced per Drum

Model No.	Diameter	Drum Weight	Qty Per Pallet	Price /Each
TTU049	0.035"/0.9 mm	550 lbs./250 kg	4	
TTU519	0.045"/1.14 mm	550 lbs./250 kg	4	

SELF-SHIELDING MILD STEEL FLUX-CORED WELDING WIRE

- Self-shielding–Welds steel without gas
- Gasless steel welding wire for single pass applications
- Excellent for use on thin gauges of galvanised and mild steels

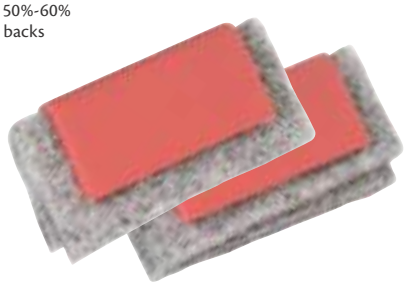


Priced per Spool

Model No.	Mfg. No.	Dia."	Wt. lbs.	Price /Each
TTU700	E71TGS030X2SP	0.030	2	
TTU701	E71TGS035X2SP	0.035	2	
TTU702	E71TGS030X10SP	0.030	10	
TTU703	E71TGS035X10SP	0.035	10	
TTU704	E71TGS030X25SP	0.030	25	
TTU705	E71TGS035X25SP	0.035	25	
TTU706	E71TGS045X25SP	0.045	25	

MIG WIRE CLEANING PADS

- Designed for use on all MIG wire feeders
- Removes dust and dirt from the wire prior to wire entry into the liner conduit
- Use of wire feed pads can decrease the coefficient of friction in the liner as much as 50%-60% and reduce erratic feed and burn backs
- Treated pads can be used on all alloyed wires except aluminum



Priced per Spool

Model No.	Qty/Pkg.	Price/Each
720-1000-KIT	6	
720-1010-KIT	24	



MILD STEEL STICK ELECTRODES

- **Priced per 5-lb. tube**

6010
- High cellulose coated electrode designed to provide a smooth stable arc forceful enough to achieve deep penetration into the base metal
- Produce a flat weld bead with coarse ripples and a thin easily removable slag
- May be used in the flat, horizontal, vertical or overhead welding positions

6011
- A versatile, deep penetrating, all-position electrode for steel
- Offer excellent mechanical properties in the welding of mild steels, galvanised and some low alloy steels
- Operate on AC or DCEP



6013
- A general purpose, all-position electrodes for mild steel
- Establishes a smooth, quiet, medium penetrating arc that is readily maintained with minimal spatter loss
- Slag lifts easily, revealing a finely rippled bead contour
- Ideally suited for general purpose welding, even with small AC power sources having low open-circuit voltage
- Operates on AC, DCEN or DCEP

7014
- An all position electrode for mild and low alloy steels
- Iron powder covering content yields a high deposition rate in all positions
- Particularly advantageous when poor fit-up exists
- Operates on AC, DCEN or DCEP

7018
- A high deposition electrode for low and medium carbon steels
- An efficient, all-position, iron powder, low hydrogen type electrode
- Exhibits excellent mechanical properties, crack resistant, and X-ray quality welds
- Operates on AC or DCEP

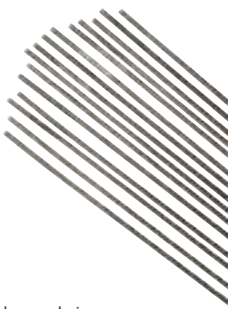
weldcote metals

Priced per Tube

Model No.	Mfg. No.	Dia."	Wt. lbs.	Price /Each
6010				
TTU707	6010332E5	3/32	5	
TTU708	601018E5	1/8	5	
TTU709	6010532E5	5/32	5	
6011				
TTU710	6011332E5	3/32	5	
TTU711	601118E5	1/8	5	
TTU712	6011532E5	5/32	5	
6013				
TTU713	6013332E5	3/32	5	
TTU714	601318E5	1/8	5	
TTU715	6013532E5	5/32	5	
7014				
TTU716	7014332E5	3/32	5	
TTU717	701418E5	1/8	5	
TTU718	7014532E5	5/32	5	
7018				
TTU719	7018332E5	3/32	5	
TTU720	701818E5	1/8	5	
TTU721	7018532E5	5/32	5	

36" MILD STEEL CUT LENGTH TIG RODS

- **Priced per 10-lb. tube**



ER70S-2

This premium quality TIG rod gives welds of the highest quality, even on rust or dirty surfaces due to the deoxidising agents in the wire.
- Can also be used for pipe, plate, and sheet applications where structural integrity is a primary consideration
- AWS A5.18-79

R45

General purpose mild steel rod for TIG or gas welding.
- A general purpose rod used for welding low-carbon sheet, plate and pipe
- Widely used for automotive repair work and is ideal for ornamental art purposes
- AWS A5.2-80

R60

Recommended for gas or TIG welding plate, sheet, pipe, castings, or structural shapes.
- Produces welds of a higher tensile strength than R45
- AWS A5.2-80

weldcote metals

Priced per Tube

Model No.	Mfg. No.	Dia."	Wt. lbs	Price /Each
ER70S-2				
TTU722	E70S2035X36T	0.035	10	
TTU723	E70S2045X36T	0.045	10	
TTU724	E70S2116X36T	1/16	10	
TTU725	E70S2332X36T	3/32	10	
TTU726	E70S218X36T	1/8	10	
TTU727	E70S2532X36T	5/32	10	
R45				
TTU728	R45116X36T	1/16	10	
TTU729	R45332X36T	3/32	10	
TTU730	R4518X36T	1/8	10	
TTU731	R45532X36T	5/32	10	
TTU732	R45316X36T	3/16	10	
R60				
TTU733	R60116X36T	1/16	10	
TTU734	R60332X36T	3/32	10	
TTU735	R6018X36T	1/8	10	
TTU736	R60532X36T	5/32	10	
TTU737	R60316X36T	3/16	10	

MILD STEEL STICK ELECTRODES – CWB APPROVED

LINCOLN ELECTRIC
THE WELDING EXPERTS℠

FLEETWELD® 35 - E6011
- Fill freeze, out-of-position mild steel stick electrodes
- A proven performer for sheet metal welding applications and AC pipe welding
- A great electrode to use on jobs where the steel isn't clean
- AC DC +/-

Priced per Tube

Model No.	Mfg. No.	Diameter"	Wt. kg	Price/Each
TTU006	ED511006	3/32	4 (8.8 lbs.)	
TTU007	ED511007	1/8	5 (11 lbs.)	
TTU008	ED511008	5/32	5 (11 lbs.)	

FLEETWELD® 37 - E6013
- Fill freeze, high speed, mild stick electrodes
- An all-position electrode for low amperage welding on sheet metal, especially in applications where appearance is important
- Ideal for jobs involving irregular or short welds that require a change in positions
- AC DC +/-



TTU010

Priced per Tube

Model No.	Mfg. No.	Diameter"	Wt. kg	Price/Each
TTU009	ED511213	3/32	4 (8.8 lbs.)	
TTU010	ED511011	1/8	5 (11 lbs.)	
TTU011	ED511012	5/32	5 (11 lbs.)	

FLEETWELD® 47 - E7014
- Fill freeze, high speed, and mild stick electrodes
- Features high deposition rates for fast performance
- Ideal for sheet metal lap joints and fillet welds, general purpose plate welding and maintenance jobs
- AC DC +/-

Priced per Tube

Model No.	Mfg. No.	Diameter"	Wt. kg	Price/Each
TTU012	ED511016	3/32	4 (8.8 lbs.)	
TTU013	ED511017	1/8	5 (11 lbs.)	
TTU014	ED511018	5/32	5 (11 lbs.)	

JETWELD® LH-70 - E7018
- Low hydrogen, mild steel stick electrodes
- Ideal for welding on thick sections and restraining joints when cracking is an issue, as well as hard-to-weld steels
- DC+ AC

Priced per Tube

Model No.	Mfg. No.	Diameter"	Wt. kg	Price/Each
TTU015	ED511041	3/32	4 (8.8 lbs.)	
TTU016	ED511042	1/8	5 (11 lbs.)	
TTU017	ED511043	5/32	5 (11 lbs.)	

ER308L, ER309L & ER316L STAINLESS STEEL WELDING WIRE

weldcote metals

- Stainless steel spooled wires and cut lengths are precisely produced to conform to the requirements of AWS A5.9
- Manufactured to exacting standards with particular attention given to cleanliness, concentricity and helix of the finished product



Priced per Spool

Model No.	Mfg. No.	Dia."	Wt. lbs.	Price/Each
ER308L SPOOLED WIRE				
TTU760	308L025X2SP	0.025	2	
TTU751	308L025X10SP	0.025	10	
TTU738	308L025X25SP	0.025	25	
TTU761	308L030X2SP	0.030	2	
TTU752	308L030X10SP	0.030	10	
TTU739	308L030X25SP	0.030	25	
TTU762	308L035X2SP	0.035	2	
TTU753	308L035X10SP	0.035	10	
TTU740	308L035X25SP	0.035	25	
TTU741	308L045X25SP	0.045	25	
TTU742	308L116X25SP	1/16	25	
ER309L SPOOLED WIRE				
TTU754	309L025X10SP	0.025	10	
TTU763	309L030X2SP	0.030	2	
TTU755	309L030X10SP	0.030	10	
TTU743	309L030X25SP	0.030	25	
TTU764	309L035X2SP	0.035	2	
TTU756	309L035X10SP	0.035	10	
TTU744	309L035X25SP	0.035	25	
TTU745	309L045X25SP	0.045	25	
TTU746	309L116X25SP	1/16	25	
ER316L SPOOLED WIRE				
TTU765	316L025X2SP	0.025	2	
TTU757	316L025X10SP	0.025	10	
TTU766	316L030X2SP	0.030	2	
TTU758	316L030X10SP	0.030	10	
TTU747	316L030X25SP	0.030	25	
TTU767	316L035X2SP	0.035	2	
TTU759	316L035X10SP	0.035	10	
TTU748	316L035X25SP	0.035	25	
TTU749	316L045X25SP	0.045	25	
TTU750	316L116X25SP	1/16	25	

36" STAINLESS STEEL CUT LENGTH TIG RODS

- **308L** - For joining 304 and 304L and other 18-8 stainless steels
- **309L** - For 309 stainless steels and joining carbon steels or low alloy steels to stainless steels
- **316L** - For joining 316L stainless steels
- **Priced per 10-lb. tube**

weldcote metals

Priced per Tube

Model No.	Mfg. No.	Dia."	Wt. lbs.	Price/Each
308L				
TTU768	308L030X36T	0.030	10	
TTU769	308L035X36T	0.035	10	
TTU770	308L045X36T	0.045	10	
TTU771	308L116X36T	1/16	10	
TTU772	308L332X36T	3/32	10	
TTU773	308L18X36T	1/8	10	
TTU774	308L532X36T	5/32	10	
TTU775	308L316X36T	3/16	10	
309L				
TTU776	309L035X36T	0.035	10	
TTU777	309L045X36T	0.045	10	
TTU778	309L116X36T	1/16	10	
TTU779	309L332X36T	3/32	10	
TTU780	309L18X36T	1/8	10	
TTU781	309L532X36T	5/32	10	
316L				
TTU782	316L030X36T	0.030	10	
TTU783	316L035X36T	0.035	10	
TTU784	316L045X36T	0.045	10	
TTU785	316L116X36T	1/16	10	
TTU786	316L332X36T	3/32	10	
TTU787	316L18X36T	1/8	10	
TTU788	316L532X36T	5/32	10	
TTU789	316L316X36T	3/16	10	

STAINLESS STEEL GAS SHIELD FLUX-CORED WIRE

weldcote metals

Precisely formulated for all-position versatility with a smooth arc, good wetting and overall operator appeal. Products conform to AWS Specification A5.22.

308LT1-1

Most frequently used for base metals of similar composition such as AISI Types 301, 302, 304, 305 and 308.

309LT1-1

Used for welding similar alloys in wrought or cast form; occasionally, to weld Type 304 base metals when severe corrosion conditions exist; and, at times, welding dissimilar steels.

316LT1-1

Used for welding similar alloys (containing about 2% molybdenum); also for high temperature service applications (the presence of molybdenum provides increased creep resistance at elevated temperatures).



TTU790



TTU793



TTU796

Priced per Spool

Model No.	Mfg. No.	Dia."	Wt. lbs.	Price /Each
308LT1-1				
TTU790	308LT11035X25SP	0.035	25	
TTU791	308LT11045X25SP	0.045	25	
TTU792	308LT11116X25SP	1/16	25	
309LT1-1				
TTU793	309LT11035X25SP	0.035	25	
TTU794	309LT11045X25SP	0.045	25	
TTU795	309LT11116X25SP	1/16	25	
316LT1-1				
TTU796	316LT11035X25SP	0.035	25	
TTU797	316LT11045X25SP	0.045	25	
TTU798	316LT11116X25SP	1/16	25	

STAINLESS STEEL ELECTRODES

- Exactingly manufactured to conform to the requirements of AWS5.4
- **Priced per 5 or 10-lb. tube**

weldcote metals



Priced per Tube

Model No.	Mfg. No.	Dia."	x	Length"	Wt. lbs.	Price /Each
308L-16						
TTU799	308L16116E	1/16	x	10	5	
TTU800	308L16332E	3/32	x	12	10	
TTU801	308L1618E	1/8	x	14	10	
TTU802	308L16532E	5/32	x	14	10	
TTU803	308L16316E	3/16	x	14	10	
309L-16						
TTU804	309L16332E	3/32	x	12	10	
TTU805	309L1618E	1/8	x	14	10	
TTU806	309L16532E	5/32	x	14	10	
TTU807	309L16316E	3/16	x	14	10	
316L-16						
TTU808	316L16332E	3/32	x	12	10	
TTU809	316L1618E	1/8	x	14	10	
TTU810	316L16532E	5/32	x	14	10	
TTU811	316L16316E	3/16	x	14	10	

DEOXIDIZED COPPER WELDING WIRE

- Recommended for welding applications where joints of high copper content are involved
- Deoxidized copper contains phosphorus and silicon as de-oxidizing agents which promote sound weld joints
- Produces trouble-free welds that are a good colour match to copper and have good electrical conductivity
- Can be used with inert gas arc and oxyacetylene welding
- Each container has an identification label showing grade, size, weight and heat number
- AWS A5.7, ErCu



weldcote metals

Priced per Spool

Model No.	Mfg. No.	Dia."	Wt. lbs.	Price/Each
TTU812	DOC035X30SP	0.035	30	
TTU813	DOC045X30SP	0.045	30	
TTU814	DOC116X30SP	1/16	30	
TTU815	DOC332X30SP	3/32	30	
36" CUT LENGTH				Priced per Tube
TTU827	DOC116X36T	1/16	10	
TTU828	DOC332X36T	3/32	10	
TTU829	DOC18X36T	1/8	10	
TTU830	DOC316X36T	3/16	10	

SILICON BRONZE WELDING WIRE

- Used for inert gas arc welding of copper, copper-silicone, and copper-based metals to themselves as well as to steel
- Frequently used to gas tungsten arc and gas metal arc weld coated steels
- Also used to surface areas subject to corrosion
- Each container has an identification label showing grade, size, weight and heat number
- AWS A5.27, ERCuSi-A
- Conformance certifications can be furnished upon request



weldcote metals

Priced per Spool

Model No.	Mfg. No.	Dia."	Wt. lbs.	Price/Each
TTU824	SIB030X2SP	0.030	2	
TTU825	SIB035X2SP	0.035	2	
TTU826	SIB045X2SP	0.045	2	
TTU820	SIB025X10SP	0.025	10	
TTU821	SIB030X10SP	0.030	10	
TTU822	SIB035X10SP	0.035	10	
TTU823	SIB045X10SP	0.045	10	
TTU816	SIB030X30SP	0.030	30	
TTU817	SIB035X30SP	0.035	30	
TTU818	SIB045X30SP	0.045	30	
TTU819	SIB116X30SP	1/16	30	
36" CUT LENGTH				Priced per Tube
TTU831	SIB035X36T	0.035	10	
TTU832	SIB045X36T	0.045	10	
TTU833	SIB116X36T	1/16	10	
TTU834	SIB332X36T	3/32	10	
TTU835	SIB18X36T	1/8	10	
TTU836	SIB532X36T	5/32	10	
TTU837	SIB316X36T	3/16	10	
TTU838	SIB14X36T	1/4	10	

36" BARE NICKEL SILVER CUT LENGTH TIG RODS

weldcote metals

- Recommended for applications requiring higher mechanical properties and situations where good colour match is important
- Primarily intended for braze welding steel and cast iron
- Melting point of 1680°F (916°C)
- RBCuZn-D
- **Priced per 10-lb. tube**



Priced per Tube

Model No.	Mfg. No.	Dia."	Wt. lbs.	Price/Each
TTU851	NS116X36T	1/16	10	
TTU852	NS332X36T	3/32	10	
TTU853	NS18X36T	1/8	10	
TTU854	NS316X36T	3/16	10	
TTU855	NS14X36T	1/4	10	

36" LOW FUMING BRONZE CUT LENGTH TIG RODS

weldcote metals

- Fuming qualities and good mechanical properties makes it a widely used general purpose rod
- Provides higher mechanical properties than obtainable with naval bronze
- Used extensively for braze welding steel and cast iron
- Melting point of 1620°F (882°C)
- RBCuZn-C
- **Priced per 10-lb. tube**



Priced per Tube

Model No.	Mfg. No.	Description	Dia."	Wt. lbs.	Price/Each
TTU839	LFB116X36T	Bare	1/16	10	
TTU840	LFB332X36T	Bare	3/32	10	
TTU841	LFB18X36T	Bare	1/8	10	
TTU842	LFB532X36T	Bare	5/32	10	
TTU843	LFB316X36T	Bare	3/16	10	
TTU844	LFB14X36T	Bare	1/4	10	
TTU845	LFB516X36T	Bare	5/16	10	
TTU846	LFB38X36T	Bare	3/8	10	
TTU847	LFBFC332X36T	Flux-Coated	3/32	10	
TTU848	LFBFC18X36T	Flux-Coated	1/8	10	
TTU849	LFBFC532X36T	Flux-Coated	5/32	10	
TTU850	LFBFC316X36T	Flux-Coated	3/16	10	

4043 & 5356 ALUMINUM WELDING WIRE

- Cleanliness, density and temper of wires are precisely controlled
- Each container has an identification label showing grade, size, weight and heat number
- Conform to AWS A5.10 classification, CWB and ABS approvals

NEXALLOY

4043

- 5% silicon all position aluminum weld wire used to weld heat treatable alloys such as the 6XXX base metals and cast alloys
- Found in many common welding applications such as bicycles, trucks, trailers and automotive parts and equipment
- Silicon with these alloys give improved wetting action yielding a less crack sensitive bright weld bead

5356

- 5% magnesium all position non-heat treatable wire used to weld the 5XXX series alloys
- Common welding applications such as boats, ships, bicycles, trucks, pressure vessels and automotive parts and equipment



Priced per Spool

Model No.	Mfg. No.	Dia."	Wt. lbs.	Price/Each
4043				
TTU956	40430301SP	0.030	1	
TTU957	40430351SP	0.035	1	
TTU958	40433641SP	3/64	1	
TTU959	40430305SP	0.030	5	
TTU960	40430355SP	0.035	5	
TTU961	404303016SP	0.030	16	
TTU962	404303516SP	0.035	16	
TTU963	404336416SP	3/64	16	
TTU964	404311616SP	1/16	16	
5356				
TTU965	53560301SP	0.030	1	
TTU966	53560351SP	0.035	1	
TTU967	53563641SP	3/64	1	
TTU968	53560305SP	0.030	5	
TTU969	53560355SP	0.035	5	
TTV020	535636455P	3/64	5	
TTU970	535603016SP	0.030	16	
TTU971	535603516SP	0.035	16	
TTU972	535636416SP	3/64	16	
TTU973	535611616SP	1/16	16	
36" CUT LENGTH				Priced per Package
4043				
TTU974	404311636T	1/16	10	
TTU975	404333236T	3/32	10	
TTU976	40431836T	1/8	10	
TTU977	404353236T	5/32	10	
TTU978	404331636T	3/16	10	
5356				
TTU979	535611636T	1/16	10	
TTU980	535633236T	3/32	10	
TTU981	53561836T	1/8	10	
TTU982	535653236T	5/32	10	
TTU983	535631636T	3/16	10	

ALUMINUM 340 ELECTRODES (DC-REVERSE)

- Features a precise combination of core wire and coating, providing high speed deposition of dense, machineable welds
- Tensile strength – up to 34 000 PSI
- Good colour match and corrosion resistance
- **Priced per 5-lb. tube (5 - 1-lb. bags)**



Applications:
Recommended for fabrication and repair of cast and wrought aluminum. Excellent for foundry defects, machining errors and all types of salvage work. Widely used on sheets, tubes and extrusions in thicknesses of 1/8" or more. Also well-suited to torch applications.

Priced per Tube

Model No.	Mfg. No.	Dimensions Dia."	x	Length"	Wt. lbs.	Price /Each
TTU856	ALSM00TH340332E	3/32	x	14	5	
TTU857	ALSM00TH34018E	1/8	x	14	5	
TTU858	ALSM00TH340532E	5/32	x	14	5	

NICKEL 55 ELECTRODES

- A general purpose, nickel-iron electrode for production, salvage and repair of all cast irons (AWS A15.15, ENiFeCl)
- Tensile strength – up to 70 000 PSI
- Suited to joining, filling and buildup of grey and alloyed cast irons
- **Priced per 10-lb. tube**

Applications: Can be used for fabrication and repair of pump housings, valves, castings, cast and malleable fittings, and for general repair of all cast irons. Deposits are machineable and have high strength.



Priced per Tube

Model No.	Mfg. No.	Dia."	Wt. lbs.	Price /Each
TTU862	NI55332E	3/32	10	
TTU863	NI5518E	1/8	10	
TTU864	NI55532E	5/32	10	
TTU865	NI55316E	3/16	10	

HIGH SILVER BRAZING ALLOYS

Weldcote 45CF - General purpose silver brazing alloy with a wide melting range and widely used in many brazing operations. Commonly used to join any combinations of copper, brass, steel and bronze. Colour is yellow white to light gold.

Chemical Composition (Wt. percent):

Silver	44.0 – 46.0
Copper	29.0 – 31.0
Zinc	23.0 – 27.0
Other Elements	0.15

Weldcote 56CF - Cadmium free silver brazing alloy with a narrow melting range and the lowest working temperature in the cad-free family yielding premium flow, wetting, ductility, penetration. Commonly used to join any combinations of copper, brass, steel, bronze and stainless steel. Great choice for food handling equipment and color match on stainless and nickel alloys while minimizing stress corrosion cracking. Colour is white to light gold.

Chemical Composition (Wt. percent):

Silver	55.0 – 57.0
Copper	21.0 – 23.0
Zinc	15.0 – 19.0
Tin	4.5 – 5.5
Other Elements	0.15

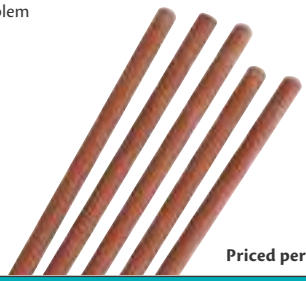
WELDCOTE 45CF

Model No.	Mfg. No.	Description	Specifications	Solidus	Liquidus	Brazing Range	Price /Each
TTU870	45CF132X1TOC	1/32" x 1 T.O.	AWS A5.8	1225°F	1370°F	1370-1550°F	
TTU871	45CF132X5TOC	1/32" x 5 T.O	Bag-5	663°C	743°C	743-843°C	
TTU872	45CF364X1TOC	3/64" x 1 T.O.	-	-	-	-	
TTU873	45CF116X1TOC	1/16" x 1 T.O.	-	-	-	-	
TTU874	45CF116X5TOC	1/16" x 5 T.O.	-	-	-	-	
TTU875	45CF332X1TOC	3/32" x 1 T.O.	-	-	-	-	
TTU876	45CF332X5TOC	3/32" x 5 T.O.	-	-	-	-	
TTU877	45FCF116X18L4	Flux-Coated 1/16" x 18" x 4 oz. Tube	-	-	-	-	
TTU878	45FCF332X18L4	Flux-Coated 3/32" x 18" x 4 oz. Tube	-	-	-	-	

SUPER 120 ELECTRODES

- Ultimate electrodes for welding steel with highest strength and maximum ductility (AC-DC)
- Assures dense, non-cracking welds on problem steels such as: high carbon, tool, spring, manganese, and dissimilar steels
- Tensile strength – up to 120 000 PSI
- Yield strength – up to 85 000 PSI
- Ductility – up to 35% elongation in 2"
- **Priced per 5 or 10-lb. tube**

Applications: Particularly advantageous when the alloy content of the steel to be welded is unknown.



Priced per Tube

Model No.	Mfg. No.	Dia."	Wt. lbs.	Price /Each
TTU859	SUPER120332E	3/32	5	
TTU860	SUPER12018E	1/8	10	
TTU861	SUPER120532E	5/32	10	

NICKEL 99 ELECTRODES

- A general purpose, high nickel electrode for production and repair of cast iron (AWS A5.15, ENiCl)
- Tensile strength - up to 50 000 PSI
- **Priced per 10-lb. tube**

Applications: Ideal for building up, joining, filling holes, breaks and cracks in all types of cast iron. It has very-good out-of-position welding characteristics. Parts are frequently repaired without dismantling.



Priced per Tube

Model No.	Mfg. No.	Dia."	Wt. lbs.	Price /Each
TTU866	NI99332E	3/32	10	
TTU867	NI9918E	1/8	10	
TTU868	NI99532E	5/32	10	
TTU869	NI99316E	3/16	10	

TTU870



TTU879





TTU878

WELDCOTE 56CF

Model No.	Mfg. No.	Description	Specifications	Solidus	Liquidus	Brazing Range	Price /Each
TTU879	56CF132X1TOC	1/32" x 1 T.O.	AWS A5.8	1145°F	1205°F	1205-14006°F	
TTU880	56CF132X5TOC	1/32" x 5 T.O	Bag-7	618°C	652°C	652-760°C	
TTU881	56CF364X1TOC	3/64" x 1 T.O.	-	-	-	-	
TTU882	56CF116X1TOC	1/16" x 1 T.O.	-	-	-	-	
TTU883	56CF116X5TOC	1/16" x 5 T.O.	-	-	-	-	
TTU884	56CF332X1TOC	3/32" x 1 T.O.	-	-	-	-	
TTU885	56CF332X5TOC	3/32" x 5 T.O.	-	-	-	-	
TTU886	56FCF116X18L4	Flux-Coated 1/16" x 18" x 4 oz. Tube	-	-	-	-	
TTU887	56FCF332X18L4	Flux-Coated 3/32" x 18" x 4 oz. Tube	-	-	-	-	

COMMON WIRE SOLDERS

- With some exceptions, the tin/lead solders can be used to solder copper and most copper alloys, lead, nickel alloys and steel
- Heat sources include soldering guns, irons and torch applications
- **Acid Core:** For soldering materials with poor solderability, stainless steel application
- **Rosin Core:** For electrical application
- **Tin/Antimony 95/5:** Useful for applications where moderately elevated temperatures is a factor. It has a high electrical conductivity and high fluidity, recommended where lead contamination must be avoided; not recommended for use on brass or HVAC connections

CAUTION: Lead-bearing solders are not to be used in potable water systems



TTU891

Priced per Spool

Model No.	Mfg. No.	Description	Specifications	Solidus	Liquidus	Price /Each
40% TIN/60% LEAD SOLID						
TTU888	4060116X1SP	1/16" x 1# Spool	ASTM-B32, Sn-40A	362°F	460°F	
TTU889	4060332X1SP	3/32" x 1# Spool	-	183°C	238°C	
TTU890	406018X1SP	1/8" x 1# Spool	-	-	-	
50% TIN/50% LEAD SOLID						
TTU891	5050116X1SP	1/16" x 1# Spool	ASTM-B32, Sn-50	362°F	420°F	
TTU892	5050332X1SP	3/32" x 1# Spool	-	183°C	215°C	
TTU893	505018X1SP	1/8" x 1# Spool	-	-	-	
50% TIN/50% LEAD ACID CORE						
TTU894	5050AC116X1SP	1/16" x 1# Spool	ASTM-B32, Sn-50	362°F	420°F	
TTU895	5050AC332X1SP	3/32" x 1# Spool	-	183°C	215°C	
TTU896	5050AC18X1SP	1/8" x 1# Spool	-	-	-	
TTU897	5050AC18X5SP	1/8" x 5# Spool	-	-	-	

Priced per Spool

Model No.	Mfg. No.	Description	Specifications	Solidus	Liquidus	Price /Each
50% TIN/50% LEAD ROSIN CORE						
TTU898	5050RC116X1SP	1/16" x 1# Spool	ASTM-B32, Sn-50	362°F	420°F	
TTU899	5050RC332X1SP	3/32" x 1# Spool	-	183°C	215°C	
TTU900	5050RC18X1SP	1/8" x 1# Spool	-	-	-	
TTU901	5050RC18X5SP	1/8" x 5# Spool	-	-	-	
95% TIN/5% ANTIMONY SOLID						
TTU902	955116X1SP	1/16" x 1# Spool	ASTM-B32, Sb-5	450°F	464°F	
TTU903	955332X1SP	3/32" x 1# Spool	-	232°C	240°C	
TTU904	95518X1SP	1/8" x 1# Spool	-	-	-	

36" CUT LENGTH TIG RODS – POINT OF PURCHASE PACKAGED ALLOYS

- Convenient small package is ideal for maintenance and repair job
- MSDS are packaged in each tube
- 1-lb. tube



TTU932



TTU922



TTU938



TTU949

Priced per Tube

Model No.	Mfg. No.	Diameter"	Wt. lbs.	Price /Each
308L – STAINLESS STEEL				
TTU921	308L116X36T1P	1/16	1	
TTU922	308L332X36T1P	3/32	1	
TTU923	308L18X36T1P	1/8	1	
309L – STAINLESS STEEL				
TTU924	309L116X36T1P	1/16	1	
TTU925	309L332X36T1P	3/32	1	
TTU926	309L18X36T1P	1/8	1	
316L – STAINLESS STEEL				
TTU927	316L116X36T1P	1/16	1	
TTU928	316L332X36T1P	3/32	1	
TTU929	316L18X36T1P	1/8	1	
4043 – ALUMINUM				
TTU930	4043116X36T1P	1/16	1	
TTU931	4043332X36T1P	3/32	1	
TTU932	404318X36T1P	1/8	1	
5356 – ALUMINUM				
TTU933	5356116X36T1P	1/16	1	
TTU934	5356332X36T1P	3/32	1	
TTU935	535618X36T1P	1/8	1	
ER70S-2 – TRIPLE DEOXIDIZED STEEL				
TTU936	ER70S2116X36T1P	1/16	1	
TTU937	ER70S2332X36T1P	3/32	1	
TTU938	ER70S218X36T1P	1/8	1	

Priced per Tube

Model No.	Mfg. No.	Diameter"	Wt. lbs.	Price /Each
LOW FUMING BRONZE - BARE				
TTU942	LFB116X36T1P	1/16	1	
TTU943	LFB332X36T1P	3/32	1	
TTU944	LFB18X36T1P	1/8	1	
LOW FUMING BRONZE – FLUX-COATED				
TTU945	LFBFC332X36T1P	3/32	1	
TTU946	LFBFC18X36T1P	1/8	1	
R45 – MILD STEEL				
TTU947	R45116X36T1P	1/16	1	
TTU948	R45332X36T1P	3/32	1	
TTU949	R4518X36T1P	1/8	1	
R60 – HIGH TENSILE MILD STEEL				
TTU950	R60116X36T1P	1/16	1	
TTU951	R60332X36T1P	3/32	1	
TTU952	R6018X36T1P	1/8	1	
SIB – SILICON BRONZE				
TTU953	SIB116X36T1P	1/16	1	
TTU954	SIB332X36T1P	3/32	1	
TTU955	SIB18X36T1P	1/8	1	

WHITE PASTE BRAZING FLUX

- For use with silver brazing alloys on all metal other than aluminum, magnesium or titanium
- Effective to 1600°F
- Meets AMS 3410, AWS A5.31-92, Type FB3A, Fed Spec. 0-F-499, Type B

weldcote metals

Model No.	Mfg. No.	Size	Price /Each
TTU906	WPFLUX14JAR	1/4 lb.	
TTU907	WPFLUX12JAR	1/2 lb.	
TTU908	WPFLUX1JAR	1 lb.	
TTU909*	WPFLUX6OZ	6 oz.	
TTU910	WPFLUX5JAR	5 lb.	

*Comes with brush cap



TTU908

GENERAL PURPOSE LIQUID SOLDERING FLUX

- Water-based, inorganic-acid flux formulated for virtually all metals other than aluminum, magnesium or titanium
- Contains Zinc Chloride, Ammonium Chloride, and Hydrochloric Acid, makes this flux active at room temperature where it begins to clean metals and remove oxides
- Pre-cleaning is not necessary under most conditions

weldcote metals

Model No.	Mfg. No.	Size	Price /Each
TTU915	LIQUIDFLUX4OZ	4 oz.	
TTU916	LIQUIDFLUX16OZ	16 oz.	
TTU917	LIQUIDFLUX1GL	1 Gallon	



TTU915

BLACK PASTE BRAZING FLUX

- Use with silver or other brazing alloys liquidus below 1800°F
- Recommended for stainless, heavy parts and whenever heating cycle is prolonged
- For all metals other than aluminum, magnesium or titanium
- Meets AMS 3411, AWS 5.31, Class FB3C; Fed. Spec. 0-F-499D, Type B

weldcote metals

Model No.	Mfg. No.	Size	Price /Each
TTU911	BPFLUX12JAR	1/2 lb.	
TTU912	BPFLUX1JAR	1 lb.	
TTU913	BPFLUX5JAR	5 lb	



TTU911

GENERAL PURPOSE PASTE SOLDERING FLUX

- Excellent flux for joining copper to copper, and copper to brass
- Not recommended for electrical or electronic applications
- Effective to 700°F
- Meets Fed. Spec. 0-F 506C, Type 1, Form A and MIL-S-6872A

weldcote metals

Model No.	Mfg. No.	Size	Price /Each
TTU918	PASTEFLUX4OZ	4 oz.	
TTU919	PASTEFLUX16OZ	16 oz.	



TTU919

WHITE ANTIBORAX FLUX

- General purpose brazing flux
- Use with low fuming bronze and nickel bronze brazing alloys
- Highly active powder flux has applications in brazing steel, cast irons and copper-base alloys
- Active in a heat range between 1400° and 2200°F
- Meets MIL-F-16136B, Types A and B, AWS 5.31-91, Type FB3J

weldcote metals

Model No.	Mfg. No.	Size	Price /Each
TTU914	WPWDFLUX1JAR	1 lb.	



TTU914

CAST IRON FLUX

- A powder flux for welding cast iron
- Use with any commercial cast iron torch welding alloy
- Specially prepared to produce better results on "problem" cast iron
- Wide active heat range of 1400° to 2200°F eliminates the necessity of several different fluxes

weldcote metals

Model No.	Mfg. No.	Size	Price /Each
TTU920	CASTIRONFLUX1JR	1 lb.	



TTU920

ACID/FLUX BRUSHES

- Perfect brushes for applying liquid or paste flux



OSBORN JACKSONLEA

Model No.	Mfg. No.	Width"	Trim Length"	Overall Length"	Price /Each
BY189	74059	1/4	11/16	6	
BY190	74060	3/8	7/8	6 1/8	
BY191	74061	7/16	7/8	6 1/8	
BY192	74062	9/16	7/8	6 1/8	

AL-BRAZE E.C. ALUMINUM BRAZING FLUX

- Powdered flux is recommended to use with 4047 (formerly 718) brazing alloy, and other aluminum brazing alloys
- May be mixed with water or alcohol to form a paste
- Meets specs AMS 3412, AWS A5.31 Type FB1A

HARRIS

Model No.	Mfg. No.	Size	Price /Each
841-1137	ECDF1/2	8 oz.	



METAL WORKING MARKERS

VALVE ACTION® PAINT MARKERS

- Fast drying, lead-free paint marker, ideal for all surfaces
- Weather and fade resistant
- Replaceable fibre tip ensures full use of the marker
- Marking range -50° to 150°F
- Also available in fluorescent colours



Markal® High Performance Industrial Markers

Priced per Marker

Model No.	Description	Price /Each
PA418	White	
PA419	Yellow	
PA420	Red	
PA421	Blue	
PA422	Green	
PA423	Aluminum	
PA431	Black	
PE935	Fluorescent Yellow	
PE936	Fluorescent Green	
PE937	Fluorescent Orange	
PE938	Fluorescent Pink	
PA424	Replacement Tips (Pkg. of 12)	

PRO-LINE® FINE LINE MARKERS

Markal® High Performance Industrial Markers

- High strength, lightweight barrel for industrial use
- Ideal for metal, suitable for wood, glass, plastic and rubber
- Xylene-free
- Self-storing cap with integrated pocket clip





Priced per Marker

Model No.	Colour	Price /Each
PC461	White	
PC462	Yellow	
PC463	Black	

THERMOMELT® HEAT STIK TEMPERATURE INDICATORS

ACCURATE SURFACE TEMPERATURE MEASUREMENT STICKS

- 33% bigger and stronger than competitive brands
- Accurate, fast, low-cost method for measuring surface temperatures
- When desired temperature is reached, the mark quickly melts to a glossy, transparent-appearing liquid
- Accurate to +/-1% of stated Fahrenheit temperature
- Ideal for applications such as annealing, forging, welding, bending, forming and any place where temperature measuring is necessary
- Meets ANSI/ASME guidelines

Markal® High Performance Industrial Markers



Priced per Heat Stik

Model No.	Mfg. No.	Temperature °F/°C	Price /Each
HK860	86517	200/93	
434-7260	86562	250/121	
HK887	86625	300/149	
434-7410	86697	350/177	

SOLID PAINT MARKERS FOR COLD SURFACES

B® PAINTSTIK®

The Original ALL Purpose Cold Surface Marker -50° to 150°F

Markal® High Performance Industrial Markers



Real paint in stick form. Ideal for long-lasting, weather, fade and abrasion resistant identification. Leaves bright, highly visible marks on all materials, including asphalt, aluminum, glass, plastic, marble, lumber and steel. Writes on rough, smooth, oily, wet, icy and rusty surfaces.

Priced per Paintstik

Model No.	Colour	Price /Each
PA298	White	
PA309	Yellow	
PA320	Black	

B-L® BLUE PAINTSTIK® -50° TO 150°F

Makes permanent marks that bleed through painted surfaces. Available in blue only. 12 dozen/case.

Priced per Paintstik

Model No.	Colour	Price /Each
PA356	Blue	

PRO-LINE® HP PAINT MARKERS

Markal® High Performance Industrial Markers

- High performance paint marker has unsurpassed writing capabilities on oily surfaces
- Excellent on most metals, coatings, plastics, glass, ceramics and other non-porous materials
- Low in halogenated compounds and sulphur allowing use in stainless steel and other corrosion sensitive applications



Priced per Marker

Model No.	Colour	Price /Each
PE507	White	
PE508	Yellow	
PE509	Red	
PE510	Black	

LUMBER CRAYONS

-50° TO 150°F

- Weather and fade-resistant lead-free marking
- Use on cardboard, ceramics, concrete, lumber (rough or smooth), metal, plastics, rubber, shipping room, storage containers



Markal® High Performance Industrial Markers

Priced per Crayon

Model No.	Colour	Price /Each
ECONOMICAL WAX BASED #200		
PA371	Black	
PA367	White	
PA368	Yellow	

QUIK STIK® TWIST-UP PAINT MARKERS

- All purpose paint marker for marking metal, wood, glass, plastic, cardboard and more
- Fast drying paint is fade and weather resistant
- 20% more marks than other brands
- Easy-to-use twist-up holder with self-storing cap keeps hands and clothing clean
- 72 per case



Markal® High Performance Industrial Markers



Priced per Marker

Model No.	Colour	Price /Each
PB937	White	
PB938	Yellow	
PB939	Red	
PB940	Black	
FLUORESCENT		
OP543	Yellow	
OP544	Green	
OP545	Orange	
OP546	Pink	

TRADES-MARKER® ALL PURPOSE MARKERS

RETRACTABLE GREASE PENCILS SUITABLE FOR ALL SURFACES

- Retractable grease pencil offers more convenience and longevity than a standard china marker
- Marks on plastic, glass, metal, wood, cardboard and paper
- Will not rub off and are weather-resistant
- Includes handy pocket clip
- Holder comes with 5 refills
- Refills come six per package
- Two dozen per case



Markal® High Performance Industrial Markers

Priced per Marker

Model No.	Mfg. No.	Colour	Price/Each
HOLDER W/5 REFILLS			
434-8980	96000	-	
REFILLS, 6/PKG.			
434-9915	96009	Orange	
434-8985	96042	White	
434-9910	96043	Yellow	
434-8995	96044	Black	
434-9920	96045	Red	

WELD-KLEEN® ANTI-SPATTER

- Base metal and fixture applications become easier to clean and remove unwanted weld spatter
- Regular use of these products reduces the need for grinding and other clean-up tasks
- Cuts costs by reducing downtime

WELD-KLEEN® 350®

- Effective water-based product designed for use on most base metal applications
- Economical and safe
- Biodegradable, non-toxic and paintable
- Can be frozen
- Available in a safe and convenient aerosol powered by air

WELD-KLEEN® HEAVY-DUTY

- A convenient solvent based, quick-drying aerosol that allows for pre-heat, higher duty cycles and higher temperature applications
- Excellent for fixture and tooling protection
- Paintable, non-flammable, no fluorocarbons

WELD-KLEEN® 350® SPRAYERS

- Hand sprayer with 36" lead tube for gallon container



388-1165 388-1170 388-1175

Model No.	Mfg. No.	Description	Size	Price /Each
TTT437	007088	Weld-Kleen® 350®	13.64-oz. Aerosol	
388-1170	007089	Weld-Kleen® 350®	1 Quart	
388-1175	007090	Weld-Kleen® 350®	1 Gallon	
388-1185	007091	Weld-Kleen® 350®	5 Gallons	
388-1180	007092	Weld-Kleen® 350®	55-Gallon Drum	
388-1165	007030	Weld-Kleen® H-D	20-oz. Aerosol	
388-1155	007093	Sprayer for Weld-Kleen® 350®	--	

LUBE-MATIC®

- Engineered to clean and lubricate wire, improve feedability, reduce spatter and increase tip and liner life
- Lube-Matic® pads and liquid help keep liners free of unwanted build-up and deposits inside the liner that cause wire drag
- Reduces wire drag by 60% and feeds wire more smoothly with poor cast, helix and rust
- Best when used together, as a system to clean and feed wire

LUBE-MATIC® LIQUID

- Helps feed all mild steel, fabricated, and core wires
- Cuts rust and reduces wire drag 60%
- Great for longer distance feed (over 10')

LUBE-MATIC® LUBE PADS

- Black lube pads are pre-treated with Lube Matic® liquid
- Lubrication allows smooth feeding of wires with poor cast, helix, rust and long feed liners

LUBE-MATIC® WIRE KLEENER® PADS

- Red Kleener® pads are for all wires all the time
- Last chance to clean wire and reduce burn back 50%



Model No.	Mfg. No.	Description	Size	Price /Each
388-1015	007040	Lube-Matic® Liquid	5 oz.	
388-1010	007060	Lube-Matic® Lube Pads	6/Pkg.	
388-1190	007061	Lube-Matic® Wire Kleener® Pads	6/Pkg.	

NOZZLE-KLEEN®

- The accumulation of spatter on nozzles and tips can lead to poor gas coverage resulting in poor welds
- Preventing spatter build-up will increase weld quality and reduce costly downtime
- Maintain a clean nozzle
- Eliminate build-up with a spray or dip

NOZZLE-KLEEN #2®

- Highest quality for most applications
- Non-flammable and paintable
- No fluorocarbons

NOZZLE-KLEEN® HEAVY-DUTY

- Used for highest temperature applications including pulsed welding and argon rich mixtures
- Outstanding fixture protection
- Excellent for stainless steel
- Non-flammable, paintable no fluorocarbons and ozone friendly



388-1145 388-1150

Model No.	Mfg. No.	Description	Size	Price /Each
388-1150	007022	Nozzle-Kleen® #2	16-oz. Aerosol	
388-1145	007020	Nozzle-Kleen® H-D	16-oz. Aerosol	

SOAPSTONE HOLDERS

- Durable marking tools for holding fragile marking materials like soapstone and chalk
- Soapstone features highly visible white marking stick cut from natural stone which adheres to metal, stone, concrete and fabrics
- Pocket clip
- Sold with one soapstone installed

ROUND HOLDERS

- Aluminum adjustable holder for 1/4" x 5" soapstone or chalk

FLAT HOLDERS

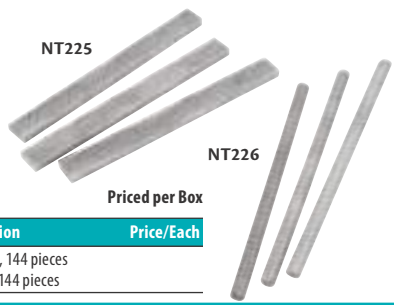
- Steel adjustable holder for 1/4" x 5" flat soapstone or chalk
- Locking nut soapstone length adjustment



Model No.	Description	Price/Each
NT638	Round Holder	
NT639	Flat Holder	

SOAPSTONES

- White soapstone
- Sold in box quantity of 144

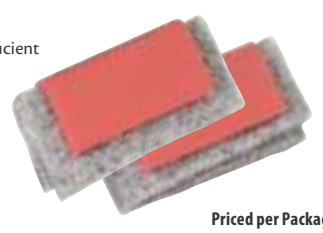


Priced per Box

Model No.	Description	Price/Each
NT226	Round Soapstone, 144 pieces	
NT225	Flat Soapstone, 144 pieces	

MIG WIRE CLEANING PADS

- Designed for use on all MIG wire feeders
- Removes dust and dirt from the wire prior to wire entry into the liner conduit
- Use of wire feed pads can decrease the coefficient of friction in the liner as much as 50%-60% and reduce erratic feed and burn backs
- Treated pads can be used on all alloyed wires except aluminum



Priced per Package

Model No.	Qty/Pkg.	Price/Each
720-1000-KIT	6	
720-1010-KIT	24	

DEFENSE ANTI-FREEZE & PUMP LUBRICANTS

- Provides year round pump protection for water coolers and closed loop water systems
- Contains a lubricant additive providing continuous pump lubrication during operation
- Prolongs seal and shaft life because of its silicate free formula
- Protects from freezing to -30°F when undiluted (a dilution of two parts Defense to one part water protects to -10°F) except for pre-mixed formula, protects to 10°F

Note: Although Defense is a permanent anti-freeze and pump lubrication solution, it should be changed annually to maintain maximum anti-freeze protection and pump lubrication.

DYNAFLUX QUALITY PRODUCTS

Model No.	Mfg. No.	Size	Price /Each
881-1355	DF927-PM	1 Gallon, Pre-Mixed	
881-1350	DF929-4x1	1 Gallon	
881-1365	DF929-5	5-Gallon Pail	
881-1370	DF929-55	55-Gallon Drum	



881-1355



881-1350

SPRAY GALV/COLD GALV

ZINC GALVANIZING COATING

- Produces hard zinc coating that will stop rust and corrosion on all metal surfaces
- Compounded from 95.1% metallic zinc dust
- Equal to hot dip galvanizing in cathodic protection and film durability
- Meets or exceeds military specs

DYNAFLUX QUALITY PRODUCTS

Model No.	Mfg. No.	Description	Size	Price /Each
877-1125	DF309-16	Spray Galv	13-oz. Net Wt. Aerosol	
877-1130	DF306-6x1	Cold Galv	1 Quart	
877-1120	DF306-2x1	Cold Galv	1 Gallon	



877-1120



877-1125

SPOTCHECK® PENETRANTS

- Red visible non-destructive test method which provides for the detection of surface discontinuities (flaws) in ferrous and non-ferrous test materials
- Ideal for applications where portability is required
- Vivid red colour permits daylight inspection

MAGNAFLUX®



SKL-SP2 PENETRANTS

- Exhibits outstanding penetrating characteristics, which provide for maximum reliability in locating surface-open flaws and discontinuities
- Can be used over the entire spectrum of industrial applications, where a visible penetrant inspection system meets the requirements for surface-open flaw detection
- Has also been successfully used on non-porous ceramics and similar materials
- Not recommended for the inspection of plastic materials, as it may stain, soften or even dissolve the base material under test
- Should be used at temperatures between 40°F-125°F

Model No.	Mfg. No.	Size	Price /Each
NP701	01-5155-78	16-oz. Aerosol	

SKL-WP2 WATER WASHABLE PENETRANTS

• General purpose

Model No.	Mfg. No.	Size	Price /Each
TTU436	01-5190-78	16-oz. Aerosol	

SKC-S SOLVENT CLEANERS

- Non-chlorinated cleaner/remover
- Used as a precleaner, a post cleaner and a penetrant remover
- Recommended general purpose
- Meets major requirements for special alloy and nuclear applications

Model No.	Mfg. No.	Size	Price /Each
NP703	01-5750-78	16-oz. Aerosol	

SKD-S2 SOLVENT DEVELOPERS

- Ready-to-use suspension of white developing particles in a fast drying solvent
- Non-chlorinated solvent developer
- Meets major requirements for special alloy and nuclear applications

Model No.	Mfg. No.	Size	Price /Each
NP702	01-5352-78	16-oz. Aerosol	

ARDROX®

9D1B NON-AQUEOUS DEVELOPERS

- Liquid product consisting of a finely divided white powder dispersed in a non-halogenated volatile solvent system
- Can be used with Type I (fluorescent) and Type II (visible) penetrants

906 WATER WASHABLE VISIBLE PENETRANTS

- Visible penetrants are not rated by sensitivity but are generally considered to be equivalent to Level 1
- Provides low cost, crisp indications, low residual background and temperature stability
- Used with non-aqueous developers or aqueous developers
- May be applied by aerosol, brushing, tank immersion, conventional, electrostatic or spraying

874-1150



9PR50 CLEANERS/REMOVERS

- Quick drying, non-halogenated (non-chlorinated) solvent for removing oil, grease and similar soils from metal surfaces
- Provides a high level of cleaning efficiency with operational safety
- Corrosion safe for use on both ferrous and non-ferrous alloys
- Excellent penetrant remover

Model No.	Mfg. No.	Size	Price /Each
9D1B NON-AQUEOUS DEVELOPERS			
874-1150	9D1B-16	16-oz. Aerosol	
906 PENETRANTS			
874-1080	906-16	16-oz. Aerosol	
9PR50 CLEANERS/REMOVERS			
874-1180	9PR50-16	16-oz. Aerosol	

SOLAR® FLUX

- Formulated to shield the back of the weld joint from oxygen, dissipate heat and unwanted oxides and to clean the surface of metal
- Will aid in the flow of filler metal over base metal and form a protective barrier to prevent re-oxidization and heat scale
- To be mixed with alcohol (methanol/methyl alcohol preferred) and brushed on the back of the weld joint
- Inert, non-flammable and non-explosive
- **Type B** for welding stainless steel and alloy steels
- **Type I** for welding high nickel super alloys

868-1000



SOLAR FLUX®

Model No.	Mfg. No.	Description	Size	Price/Each
868-1000	SFB-1	Type B	1 lb	
TTT435	SFI-1	Type I	1 lb	

ACID/FLUX BRUSHES

- Perfect brushes for applying liquid or paste flux



Model No.	Mfg. No.	Width"	Trim Length"	Overall Length"	Price /Each
BY189	74059	1/4	11/16	6	
BY190	74060	3/8	7/8	6 1/8	
BY191	74061	7/16	7/8	6 1/8	
BY192	74062	9/16	7/8	6 1/8	

ULTRA BRIGHT ALUMINUM CLEANERS

- Ready-to-use cleaner and brightener
- Provides rapid and effortless cleaning and removal of aluminum oxides, grease and dirt from aluminum before welding
- Rinse agents provide a "sheeting" action for film-free rinsing
- Heavy accumulations may require some light brushing
- Biodegradable



NP597



NP596

DYNAFLUX QUALITY PRODUCTS

Model No.	Mfg. No.	Size	Price /Each
NP597	DF781-12x1	1 Quart	
NP596	DF781-4x1	1 Gallon	
877-1190	DF781-55	55-Gallon Drum	

LIQUID GASFLUX®, TYPE "W"

- Liquid Gasflux® consists of a specially compounded liquid-type flux that is automatically introduced into the fuel gas
- Manufactured under rigid test requirements to guarantee its highest quality and performance
- Recommended for both manual and automatic brazing applications and works with all fuel gases
- Standard liquid flux for most all silver and bronze brazing
- Suitable with almost all applications for the brazing of copper, brass, steel, stainless steel, cast iron and carbide
- Conforms to AWS/ANSI A5.31, American Welding Society "Specification for Brazing Fluxes" and falls under flux type FB3-K

Gasflux



870-1092

Model No.	Mfg. No.	Size	Price /Each
870-1092	GF-1	1 Gallon	
870-1096	GF-5	5-Gallon Pail	
870-1100	GF-55	53-Gallon Drum	

NOZZLE GEL

- For MIG gun nozzles and contact tips
- Suitable for use on fixtures of semi-automatic and automatic welding equipment
- Non toxic, odourless
- Not flammable, silicone free



DYNAFLUX QUALITY PRODUCTS

Model No.	Mfg. No.	Size	Price /Each
720-1071	DF731-16	16-fl. oz. Jar	

SAFE-DE-SPAT

ANTI-SPATTER & NOZZLE SHIELD

- Prevents weld spatter from adhering to MIG nozzles, contact tips and related accessories as well as weld spatter build-up on metals to be joined
- Non-flammable, non-toxic, biodegradable and silicone free
- Non-solvent based
- Paint compatible
- Designed to provide a safe welding environment



876-1005

DYNAFLUX QUALITY PRODUCTS

Model No.	Mfg. No.	Size	Price /Each
876-1005	DF390-16	16-oz. Net Wt. Aerosol	
876-1000	DF390-4x1	1 Gallon	
876-1020	DF390-5	5-Gallon Pail	
876-1025	DF390-55	55-Gallon Drum	

BLUE LAYOUT FLUIDS

- A firm gripping, oil resistant blue pigmented layout fluid
- Designed for use on all types of metal surfaces, plastics and glass
- Dries instantly to a non-glaze smooth finish
- Provides fine lines for detail and high precision
- Contains no acids and is non-corrosive, flammable



DYNAFLUX QUALITY PRODUCTS

Model No.	Mfg. No.	Size	Price /Each
881-1100	DF304-16	11.5-oz. Net Wt. Aerosol	

METAL WORKING FLUIDS & EQUIPMENT

SILVER GALVANIZING COMPOUNDS

- Sacrificial coating that inhibits corrosion on ferrous metals
- Excellent touch-up for repair of galvanized substrates
- Produces a dry coating with the bright finish of hot-dip galvanizing
- Recommended dry film thickness of 1.5 to 3.0 mils VOC-compliant
- Dries to touch in 30 minutes
- May be recoated after 2-16 hours, or after 36 hours
- For food plants, automotive plants, refineries, nuclear facilities, power plants and transmission towers; fences, gutters, bridges, structural steel, wrought iron, farm equipment,damaged galvanized surfaces; highway maintenance and marine applications



Model No.	Mfg. No.	Size	Price /Each
AA185	C00739000	14 oz.	

E-WELD NOZZLE ANTI-SPATTER

- Maximum Operating Temperature: 1832°F (1000°C)
- Ceramic anti-spatter that protects welding nozzles
- Provides unrivaled protection of welding nozzles in manual, semi-automated and fully-automated MIG welding applications
- Reduces downtime by extending nozzle life
- Protects welding nozzles for 8 hours
- At least 125 uses with applicator



Model No.	Mfg. No.	Size	Description	Price /Each
AF017	53F512	400 ml	-	
VV928	53L121	-	Applicator	
VV929	53F912	-	Aerosol & Applicator Kit	

WELDER'S STAINLESS STEEL PROTECTIVE COATING

- Provides maximum corrosion resistance on metal, chrome, ceramic and copper surfaces
- Formulated with 100% Type 316L stainless steel pigment
- Dries quickly to a satin sheen
- Hardens overnight and cures in just a few days
- Use to cover discolouration in weld areas
- For exhaust and steam pipes, mufflers, radiators, production equipment, engines, furnaces, plumbing fixtures, chemical processing equipment



Model No.	Mfg. No.	Size	Price /Each
AA027	C00738000	12 oz.	

WL941 DRY WELD SPATTER PROTECTANT

- Powder formula that dries to a white film
- Prevents spatter from sticking to metal surfaces during welding
- Just brush or wipe off residue after welding
- Does not contain silicone
- Surface may be painted after use
- Formulation does not contain Methylene Chloride
- Uses: All types of maintenance and production welding, construction and body shops



Model No.	Mfg. No.	Size	Price /Each
AE835	C00941000	15.5 oz.	

WL542 MC WET WELD SPATTER PROTECTANT

- Liquid anti-spatter that keeps welding tips & nozzles clean and prevents weld spatter adhesion
- Does not contain silicone and will not interfere with post-decorating
- Uses: Contact tips, weldments, electrode holders, fixtures, resistance welding tips and wheels



Model No.	Mfg. No.	Size	Price /Each
AE826	C00542000	15.5 oz.	

ANTI-SPATTER

- Safe, water-based formula
- Excellent spatter protection
- Non-toxic
- Non-flammable
- Does not contain suspect carcinogens such as methylene chloride
- Does not contain silicone
- Paint compatible
- Accepted for use in Canadian food processing facilities



Model No.	Mfg. No.	Size	Price /Each
AA816	C02116	13 oz.	

E-WELD WELD SPATTER RELEASE EMULSIONS

- Effectively protects work pieces and welding equipment (such as torches, robots and jigs) eliminating costly spatter removal work
- Best for general purpose welding
- Contains temporary corrosion inhibitors
- Prevents weld spatter from sticking
- Ultrafine spray for complete coverage
- Will not harm painted surfaces
- Can be used on all weldable metals
- Green colour for a better view on work piece



Model No.	Mfg. No.	Description	Metric	Imperial	Price /Each
AA903	53-F 002	Aerosol	500 ml	16.9 fl.oz.	
AC300	53-F 203	Trigger Spray	500 ml	16.9 fl.oz.	
AA475	53-F 207	Liquid	20 L	5.2 gal	
AC301	53-F 208	Liquid	208 L	55 gal	

E-WELD 3 WELD SPATTER RELEASE SOLUTIONS

- Unique, high performing anti-spatter solution that protects work pieces from adherence of high energy spatter and eliminates costly spatter removal operations
- Can also be used to clean and degrease surfaces prior to welding
- Formulated to prevent spatter adhesion for high temperature welding applications such as: stainless steel welding, multiple pass welding, thin sheet welding and welding pre-heated work pieces
- For MIG and Arc welding applications, as well as plasma cutting
- Water base formulation - biodegradable, non-flammable, odourless
- Compatible with aluminum, steel and stainless steel
- VOC free, solvent free and silicone free
- Contains corrosion inhibitors for short term corrosion protection
- Excellent paint adhesion properties - no special cleaning required for post welding coating operations



Model No.	Mfg. No.	Description	Metric	Imperial	Price /Each
AA506	53-F 253	Trigger Spray	500 ml	16.9 fl.oz.	
AA508	53-F 257	Liquid	20 L	5.2 gal	
AC309	53-F 258	Liquid	208 L	55 gal	

LPS 3® HEAVY-DUTY INHIBITORS

- Protects up to two years
- Stops rust and corrosion
- Provides non-sling lubrication
- Non-flammable propellant
- Self-healing, waxy film
- Provides anti-seize coating
- Safe to use on rubber, fabric, plastics and paints
- Meets or exceeds these specs: Boeing BMS-3 23F Type II, MIL-C-0083933A, para.3.2-3.16 , MIL-C-16173D Grade 2 Class I, DMS 2150, Airbus TN A. 007.10138 Type I Grade 2
- Accepted for use in Canadian food processing facilities



Model No.	Mfg. No.	Size	Price /Each
AA808	C00316	11 oz.	
AB559	C00322	20-oz. Trigger	
AB558	C03128	1 gal.	
AB556	C00305	5 gal.	
AB557	C00355	55 gal.	

COLD GALVANISED CORROSION INHIBITORS

- 95% zinc-rich galvanised coating
- Commonly used as a flash rust preventative on welded areas
- Works like a hot-dip on ferrous metals indoors and out
- Three-year protection
- Withstands water temperature up to 212°F (100°C) and continuous dry heat up to 750°F (400°C)
- Flexible coating will not yellow, chalk, crack or peel
- Electrochemically protect bare metal
- Meets or exceeds these specs: MIL-P-46105 Weld Through Primer, Passes Preece Test for Hot-Dip Galvanizing



Model No.	Mfg. No.	Size	Price /Each
AA807	C00516	14-oz.	
AB552	C05128	1 gal.	

BRIGHT COAT COLD GALVANIZED CORROSION INHIBITORS

- Shiny zinc coating
- Prevents rust and corrosion on all metals
- Restores hot dip galvanizing
- Dries to touch in 15 to 30 minutes
- Repairs rusted, galvanized and welded surfaces
- Electrochemically protects bare metal
- Heat resistant, flexible coating
- Will not yellow, chalk, crack or peel



Model No.	Mfg. No.	Size	Price /Each
AB485	C05916	13 oz.	

EVAPO-RUST™ RUST REMOVERS

- Removes rust quickly without scrubbing
- Dipping process
- Non-toxic, non-corrosive, non-flammable
- VOC free
- Water-soluble, biodegradable, safe on skin
- Contains no acids, bases or solvents
- Will not harm unrusted metals



Model No.	Mfg. No.	Size	Price /Each
AD049	ER1	1 L	
AD050	ER4	3.78 L	
AD051	ER20	18.9 L	
AD052	ER205	205 L	

EXTEND® RUST TREATMENTS

- Goes on white and converts rust to a durable, black, metal-protective coating in 10 minutes
- Wirebrush parts and apply with brush or spray
- Surface rust must be present
- Use as a primer or finish coat
- Resists temperatures to 250°F intermittent, 200°F continuous
- Approved by the American Bureau of Shipping



Model No.	Mfg. No.	Size	Price /Each
AA633	75430	1 qt. bottle	
AA634	75448	1 gal. bottle	
AC110	75465	5 gal. pail	

ZINC-RICH GALVANIZING COMPOUNDS

- Fast-drying, high-solids, high performance, epoxy-based coating
- Provides maximum protection to steel exposed to severe corrosive environments
- Fuses zinc to the metal substrate to protect against corrosion; equal to or better than hot-dipped galvanizing
- 97%-pure zinc dust
- May be topcoated with conventional primers or finish coats
- For fences, gutters, bridges, structural steel, wrought iron, farm equipment; ideal as a maintenance spray for highways, food plants, power plants, refineries or damaged galvanized surfaces



Model No.	Mfg. No.	Size	Price /Each
AA029	C00740000	14 oz.	

BIO-RUST NEUTRAL PH RUST REMOVERS

- Removes rust and other metallic particles
- VOC free, solvent free, non-flammable, pH neutral solution biodegradeable
- Not controlled under WHMIS
- Non-corrosive rust remover
- High workload - can remove 1.5 kg (3.3 lbs.) of iron oxide per 20 L
- For use with iron and mild steel
- Deeply rusted parts may require longer soaking time
- After application of Bio-Rust, rinse parts in water to remove loosened contaminants
- After removing rust, dip pack into fresh bath or Bio-Rust to provide short term corrosion protection
- It is recommended to degrease part before using Bio-Rust
- Bio-Rust is designed for immersion applications only
- Immerse parts in Bio-Rust at room temperature and let react for at least 30 minutes



Model No.	Mfg. No.	Size Litres	Size Gallons	Price /Each
AD441	53-G 247	20	5.2	
AD442	53-G248	208	55	

METAL WORKING FLUIDS & EQUIPMENT

RED INSULATING VARNISHES

- Penetrates thoroughly and forms a tough, flexible film
- High arc resistance and non-tracking properties
- Resists oil, water, acids and alkalis
- Excellent adhesion
- Oil resistant per ASTMD-115-55



Model No.	Mfg. No.	Size	Price /Each
AA179	C00601000	15.25 oz.	

BLUE LAYOUT DYES

- The economical choice for most layout projects VOC-compliant
- Fast-drying, non-flaking, non-etching, won't peel
- Heat resistant, non-corrosive
- Adheres to metal or glass
- For pattern-making, tool and die making, machining and maintenance mechanicals



Model No.	Mfg. No.	Size	Price /Each
AA180	C00603000	12 oz.	

LAYOUT DYE REMOVERS

- Removes layout fluids quickly and efficiently
- Removes light oils, greases, lacquer and other markings on metal or glass
- Leaves no residue
- No chlorinated solvents
- For tool and die making and production departments



Model No.	Mfg. No.	Size	Price /Each
AA181	C00606000	12.75 oz.	

CUTTING OIL THREAD CUTTING LUBRICANT

- Ideal for use on all types of metals, including brass, copper and aluminum



Model No.	Mfg. No.	Size	Price /Each
AF250	73500	340 g	

A-9 ALUMINUM CUTTING FLUIDS

- Designed for aluminum, non-ferrous metals
- Forms an effective extreme pressure boundary lubricant between tool and work surface
- Leaves a surface, which requires only ordinary cleaning



Model No.	Size	Price /Each
AA149	4 oz.	

RAPID TAP™ CUTTING FLUIDS

- Effective on tough-to-drill metals and alloys such as beryllium, molybdenum, stainless steel and stellite
- Makes tapping, reaming, drilling and threading operations easier, faster and more accurate
- Not recommended for use with aluminum and its alloys



Model No.	Size	Price /Each
AA160	4 oz.	

COOLCUT™

- Extends cutting tool life
- Suitable for all ferrous and non-ferrous metals
- Produces a better finish
- Solvent-free, no chlorine
- For drilling, sawing, milling, turning, reaming, broaching


AA468


AA471



AA467

METAL CUTTING LIQUID

Model No.	Mfg. No.	Size	Price /Each
AA468	53-B 003	350 ml	
AA470	53-B 007	20 L	
AB748	53-B 008	208 L	

METAL CUTTING STICKS

Model No.	Mfg. No.	Size	Price /Each
AA471	53-B 013	300 g	

METAL CUTTING SPRAYS

Model No.	Mfg. No.	Size	Price /Each
AA467	53-B 002	350 ml	

OPTION 1® CUTTING FLUIDS

- Effective in all machining operations on all metals except those that are water reactive
- Water-based
- Biodegradable
- No oil
- No chlorine - no sulfur, no toxic chemicals



Model No.	Size	Price /Each
AA156	4 oz.	

SF 7900™ CERAMIC SHIELD FOR WELDING

- Ceramic dry film protective coating for MIG/MAG welding processes
- Protects contact tips and welding nozzles by preventing adhesion of welding spatter
- Once applied the coating dries by solvent evaporation within 5 to 10 seconds at room temperature (Thicker films will need longer drying time)
- Ceramic, silicone-free protective coating, easy to apply
- Protects contact tips, welding nozzles and jigs, eliminating cost for cleaning equipment
- Reduces running costs for consumables by up to 40%
- Prevents adhesion of welding spatter for many hours with just one application
- Colour: White



Model No.	Mfg. No.	Size	Price /Each
AD492	1616692	9.5 oz.	

TAPMATIC® EDGE CREME

- Excellent for vertical applications
- Biodegradable
- Can be applied to cutting tools before tapping or reaming
- For use when drilling, tapping blind holes, forming, bending, pre-coating fasteners and lubricating rubber seals
- Does not contain any hazardous chemicals
- Safe on all metals



Model No.	Mfg. No.	Size	Price /Each
AA923	C43100	11 oz.	

STAINLESSCUT™ EXTREME PRESSURE CUTTING LUBRICANTS

- Prolongs tool life in stainless and other tough alloys
- Produces a better finish
- Safe and pleasant to use



Model No.	Description	Size	Pric /Each
AA509	Aerosol	400 ml	
AA510	Squeeze bottle	350 ml	

CIMTAP® II LIQUID TAPPING COMPOUNDS

- Water-soluble, formulated for blind holds, deep vertical holes and high production operations requiring quick application
- For ferrous and non-ferrous metals



Model No.	Size	Price/Each
AB792	16-oz. Bottle	
AB789	4-L Jug	

TAPMATIC® #1 GOLD CUTTING FLUIDS

- Great for steel and aluminum
- Excellent for low speed, high pressure applications
- Minimizes torque increases
- No chlorinated paraffins, water, solvents or inactive fillers
- Aerosol provides a pinpoint stream with foaming action
- Safe on all metals
- Accepted for use in Canadian food processing facilities



Model No.	Mfg. No.	Size	Price /Each
AA775	C40312	11-oz. Aerosol	
AA776	C40320	16 oz.	
AB565	C40330	1 gal.	
AB563	C40340	5 gal.	

TAPMATIC® TRICUT CUTTING FLUIDS

- Excellent for hard to machine metals
- Not recommended for aluminum
- Provides, smooth, accurate cutting action
- Flows directly to cutting edge
- Extends tool life
- Reduces friction
- Suitable for high and low speed applications
- Non-corrosive to steel



Model No.	Mfg. No.	Size	Price /Each
AA779	C05316	16 oz.	
AB578	C05328	1 gal.	

TAPMATIC® EDGE LUBE

- White, solid waxy bar
- Excellent for belt, wheel and disc grinding or sawing applications
- Eliminates heat build-up and belt loading
- No hazardous chemicals
- Extends grinding wheel life
- Low toxicity
- Safe on all metals



Model No.	Mfg. No.	Size	Price /Each
AA922	C43200	13 oz.	

TAPMATIC® AQUACUT CUTTING FLUIDS

- Water-based formula
- Excellent in applications where cooling of the tool is desired
- Does not contain sulfur, chlorinated solvents, chlorine or oils
- Safe on all metals, except magnesium
- Corrosion inhibitors prevent flash rusting
- Provides fine finishes
- Cinnamon scent



Model No.	Mfg. No.	Size	Price /Each
AA778	C01216	16 oz.	
AB574	C01228	1 gal.	
AB572	C01205	5 gal.	

TAPMATIC® NATURAL CUTTING FLUIDS

- Non-toxic and non-hazardous
- Biodegradable
- Does not irritate the skin, eyes or respiratory tract
- Does not contain sulfur, chlorinated solvents, chlorine water, mineral oil or inactive fillers
- Great for steel and aluminum
- High performance lubricating ability eliminates galling and seizing
- Safe on all metals



Model No.	Mfg. No.	Size	Price /Each
AA777	C44220	16 oz.	
AB577	C44230	1 gal.	



EQUIPMENT

CIMCOOL® MIX STATIONS

- Provides two dilutions of a single metalworking fluid concentrate for the "charging" or "makeup" of a machine sump
- Uses two water powered venturi proportioners
- Simple and accurate
- "Charge" mix ratio is the concentration used to initially fill an empty sump
- "Makeup" mix ratio is the concentration used to replace fluid losses due to carry-off and evaporation

Model No. AB782
Price/Each $



CIMCOOL®

CIMCOOL® MIX MASTER PROPORTIONER II

CIMCOOL®

- Simple, economical, and accurate method to mix fluid concentrate with water
- Maintaining the proper mix ratio is very important
- Siphons concentrated fluids from a 55-gallon drum and mixes it with a predetermined amount of water
- Provides a premixed fluid, which is used to fill an individual machine tool reservoir, central system, or premix tank

Model No. AB783
Price/Each $



REFRACTOMETERS

- Provides a direct reading of the Brix Scale
- Developed for working with sugar related liquids (fruit juices, soft drinks, wine)
- Commonly used for controlling the concentration of various fluids (cutting coolants, glycol solutions, and flux rinsing compounds)



REED

Model No.	Scale	Range	Min. Div.	Accuracy	Price/Each
HX107	Brix	0 to 32%	0.2%	±0.2%	

CIMPERIAL - OIL SOLUBLE FLUIDS

CIMCOOL®

Premium Soluble Oil Metalworking Fluids with heavy-duty capabilities.



CIMPERIAL® 1070

- For broaching, gear cutting, tapping, reaming, turning, drilling, internal grinding, and centerless grinding of low and high machinability
- For ferrous and non-ferrous metals
- Rancidity control provides long sump life
- Easy maintenance

Model No.	Mfg. No.	Size	Price/Each
AB375	B00102-P002	20 L	
AB458	B00102-D001	200 L	

CIMSTAR® - SEMI-SYNTHETIC FLUIDS

CIMCOOL®

CIMSTAR® APF75

- A true general-purpose fluid
- For moderate-duty to heavy-duty applications
- Premium chlorine-free and semi-synthetic
- For machining and grinding aluminum, iron and steel

Model No.	Mfg. No.	Size	Price/Each
AD540	B01604-P002	20 L	
AD541	B01604-D001	200 L	

CIMSTAR® 10-700VLC

- Value-line semi-synthetic fluid
- For moderate-duty applications
- For machining and grinding
- Has good rust and rancidity control
- For ferrous and some non-ferrous metals

Model No.	Mfg. No.	Size	Price/Each
AD542	B01258-P002	20 L	
AD543	B01258-D001	200 L	

MILCOOL® GP

- General-purpose cutting fluid
- For light-duty applications
- Has good rust and rancidity control
- For ferrous and non-ferrous metals

Model No.	Mfg. No.	Size	Price/Each
AD544	B01060-P002	20 L	
AD545	B01060-D001	200 L	

CIMTECH® - SYNTHETIC FLUIDS

CIMCOOL®

CIMTECH® 95 BLUE

- For light-duty ferrous applications
- For machining and grinding of carbon steel
- Ideal where foam control is critical, such as double disc and Blanchard grinding
- Corrosion protection on ferrous metals
- Low-foaming

Model No.	Size	Price/Each
AB460	20 L	
AB461	200 L	

CIMTECH® 3100-VLZ

- Value-line synthetic cutting fluid
- Clear, water-based fluid containing a unique synthetic lubricant
- Recommended for grinding and machining
- For ferrous and non-ferrous metals

Model No.	Mfg. No.	Size	Price/Each
AE600	B01204-P002	20 L	
AE601	B01204-D001	200 L	

MILCOOL® SAW PLUS

- Vegetable oil-based sawing fluid
- Free of chlorine and mineral oil
- Excellent lubricity
- Can be used in machining and grinding applications
- For ferrous and non-ferrous metals

Model No.	Mfg. No.	Size	Price/Each
AE602	B01746-P002	20 L	
AE603	B01746-D001	200 L	

TRIM® C270CG HIGH-PERFORMANCE SYNTHETIC COOLANT

- Provides excellent cooling and chip settling
- Compatible with many materials including cast iron, steel, copper alloys, plastics and composites
- Ideal for grinding, drilling, tapping, and reaming operations without chlorine or sulfur based EP additives
- Low-foaming and misting
- Excellent corrosion inhibition on common ferrous alloys

AF459



Model No.	Format gal.	Container Type	Price /Each
AF457	1	Jug	
AF458	5	Pail	
AF459	54	Drum	
AF460	270	IBC Tote	

Master Fluid Solutions™ —Cutting Edge Metalworking Solutions™

TRIM® C350 PREMIUM SYNTHETIC COOLANT

- Synthetic coolant that is optimized to meet the requirements of the North American aerospace industry
- Improves the performance of most aluminum machining operations
- Clear fluid is easy to use and maintain
- Superior non-ferrous corrosion prevention on aluminum alloys
- Low-foaming and misting
- Achieves the lubricity of soluble oil without the oily residue

AF461



Model No.	Format gal.	Container Type	Price /Each
AF461	1	Jug	
AF462	5	Pail	
AF463	54	Drum	
AF464	270	IBC Tote	

Master Fluid Solutions™ —Cutting Edge Metalworking Solutions™

TRIM® E206 LONG-LIFE EMULSION COOLANT

- Ideal for a wide range of machining operations on ferrous and non-ferrous materials
- Composed of extreme-pressure additives to control build-up edge
- Stable and fine emulsion leads to reduced carryoff
- Leaves a soft fluid film

AF466



Model No.	Format gal.	Container Type	Price /Each
AF465	1	Jug	
AF466	5	Pail	
AF467	54	Drum	
AF468	270	IBC Tote	

Master Fluid Solutions™ —Cutting Edge Metalworking Solutions™

TRIM® E850 PREMIUM EMULSION COOLANT

- Easy-to-maintain metal removal fluid
- Composed of vegetable-based technology and premium lubricity additives
- Robust enough to last long while avoiding rancid odours usually associated with emulsions
- Ideal for use on difficult-to-machine alloys, exotics, stainless and high-tensile strength steels
- Boron and halogen-free

AF472



Model No.	Format gal.	Container Type	Price /Each
AF469	1	Jug	
AF470	5	Pail	
AF471	54	Drum	
AF472	270	IBC Tote	

Master Fluid Solutions™ —Cutting Edge Metalworking Solutions™

TRIM® MIST SYNTHETIC MISTING COOLANT

- Provides rapid and effective cooling for cutting and grinding applications
- Keeps grinding wheels clean and free of loading
- Compatible with all ferrous metals, most non-ferrous metals, and most non-metallic materials
- Very low odour
- Does not leave slippery films on work pieces, machinery, or in surrounding areas

AF473



Model No.	Format gal.	Container Type	Price /Each
AF473	1	Jug	
AF474	5	Pail	
AF475	54	Drum	
AF476	270	IBC Tote	

Master Fluid Solutions™ —Cutting Edge Metalworking Solutions™

TRIM® MICROSOL® 690XT PREMIUM SEMI-SYNTHETIC COOLANT

- High-lubricity, semi-synthetic, micro-emulsion coolant
- Achieves excellent cooling and mechanical lubricity
- Works very well in mixed metal situations
- Compatible with titanium, high nickel alloys, steels, copper and aluminum alloys
- Low-foaming
- Contains no baron, halogen, nitrites, triazines, phenols, chlorinated or sulfurized EP additives
- Excellent corrosion inhibition on all ferrous and non-ferrous metals

AF487



Model No.	Format gal.	Container Type	Price /Each
AF485	1	Jug	
AF486	5	Pail	
AF487	54	Drum	
AF488	270	IBC Tote	

Master Fluid Solutions™ —Cutting Edge Metalworking Solutions™

TRIM® MICROSOL® 585XT SEMI-SYNTHETIC COOLANT

- High-lubricity, semi-synthetic, micro-emulsion coolant
- Achieves excellent cooling and mechanical lubricity
- Ideal for machining and grinding gray iron
- Works very well in mixed metal situations
- Low-foaming
- Excellent corrosion inhibition on all ferrous and non-ferrous metals
- Contains no nitrites, triazines, phenols, chlorinated or sulfurized EP additives

AF479



Model No.	Format gal.	Container Type	Price /Each
AF477	1	Jug	
AF478	5	Pail	
AF479	54	Drum	
AF480	270	IBC Tote	

Master Fluid Solutions™ —Cutting Edge Metalworking Solutions™

TRIM® SC520 SEMI-SYNTHETIC COOLANT

- General-purpose cutting and grinding fluid
- Ideal for multi-material and multi-operational shops
- Controls build-up edge and improves tool life in high-speed milling and turning operations
- Low odour and mist
- Compatible with a wide variety of materials including cast iron, steels, copper, aluminum alloys, most plastics and most composites

AF491



Model No.	Format gal.	Container Type	Price /Each
AF489	1	Jug	
AF490	5	Pail	
AF491	54	Drum	
AF492	270	IBC Tote	

Master Fluid Solutions™ —Cutting Edge Metalworking Solutions™