



ELECTRIC • HYDRAULIC • PNEUMATIC

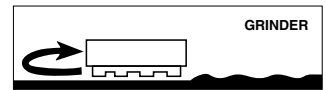
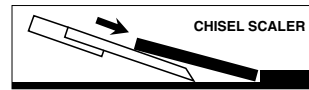
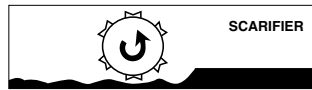
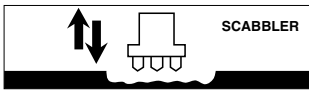
Concrete Tools



Surface Preparation Tools
Concrete Grinders
Dust Collection Systems
Diamond Core Drills
Air Concrete Saws
Portable Mixing Machines

Concrete and Masonry Tools

Surface Preparation Tools & Dust Collection Vacuums



CS Unitec's Trelawny™ line of surface preparation tools features many Vibro-Lo™ models. These models include integrated vibration reduction technology to operate with 7x less vibration than standard models. Vibration damping components offset the hammer vibration when the tool impacts the workpiece, reducing the risk of vibration-related injury.

Vibro-Lo™
Vibration Reduction
Technology

Hand-Held Construction Scabblers (Pneumatic)

p. 4

- Low-Vibration Single-Head and Triple-Head Scabbling Hammers
- Roughen, reduce and level concrete
- Prepare surfaces for coatings and finishes

Vibro-Lo™
Vibration Reduction
Technology

Heavy-Duty Hand-Held Scabblers (Pneumatic)

p. 5

- Low-Vibration Single-Head and Triple-Head Scabbling Hammers
- Roughen, reduce and level concrete; prepare cracks for repair
- Optional vacuum shroud for dust extraction

Vibro-Lo™
Vibration Reduction
Technology

Multi-Headed Floor Scabblers (Pneumatic)

p. 6-7

- Vibro-Lo™ 11-head model for concrete keying, laitance removal and less-aggressive material removal to protect substrate below
- 5-head model for fast concrete removal and demolition when leveling high spots, texturing and roughening for sealant/overlay preparation and breaking down hard coatings prior to blast cleaning

Vibro-Lo™
Vibration Reduction
Technology

Floor Scarifiers / Planers (Electric • Pneumatic • Gas)

p. 8

- Ideal for the most demanding surface preparation and material removal applications
- Remove rust, scale, paint, adhesives and more from steel and concrete

Hand-Held Scarifiers – Rotopeen™ (Pneumatic • Electric)

p. 9

- Ideal alternative to small-area shot blasting – clean/prepare steel and concrete surfaces
- Available with 3M's Rotopeen™ 'C' flaps, star cutters and beam cutters

Low-Vibration Needle/Chisel Scalers (Pneumatic)

p. 10-13

- Vibro-Lo™ Needle/Chisel Scalers remove coatings, corrosion and other accumulated materials
- Clean and stress-relieve weld seams and joints
- Variety of needles and chisels, including options for use in hazardous areas and Ex zones

Vibro-Lo™
Vibration Reduction
Technology

Long-Reach Chisels / Scrapers / Scalers (Pneumatic)

p. 14

- Available in lengths ranging from 2' to 6'; chip, scrape and descale with one tool

Concrete Grinders

p. 15

- Low-vibration hand-held and walk-behind grinders
- 5", 7" and 9" models

Dust Collection Vacuums with HEPA Filtration

p. 15

- HEPA filtration for cleaner, safer work environment
- "Power Take Off" outlet for ON/OFF activation from power tool switch
- Standard wet/dry models available



Core Drilling, Hammer Drilling, Mixing, Sawing & More

Wet / Dry Diamond Core Drills (Electric • Air • Hydraulic)

p. 16-18

Drill holes from 1/8" to 18" dia. in floors, walls and ceilings. Fast drilling of reinforced concrete, concrete, brick, block and stone. Wet/dry models with dust collection port. Water recycling and slurry containment vacuum.

Rotary Hammer Drills (Air • Hydraulic)

p. 19

Powerful percussion for drilling concrete and masonry. SDS Plus and SDS Max chucks. Hammer drill holes in concrete, brick and masonry. Rotary drilling for straight drilling of steel and wood.

Mixing Drills and Mixing Stations (Electric • Pneumatic)

p. 20-21

Professional variable-speed, high-torque models for fast, efficient mixing. Hand-held models for batches up to 5 bag/35 gallons. Variety of galvanized steel mixing paddles and portable mixing stands and stations for running mixers independently.

HIPPO Mixing Station

p. 21

Mix, transport and pour with one unit. Casters or tires for varying jobsite terrain. Removable liner for mixing multiple batches and extending life of bucket.

Concrete Hand-Held and Walk-Behind Cut-Off Saws (Air)

p. 22

Wet or dry cutting of concrete, reinforced concrete, asphalt, masonry, steel and more. Low maintenance – no belts, pistons, fuel lines or carburetors to maintain. Walk-behind saw designed for tough cutting jobs, including joint sawing, floor sawing, trenching, road repair and plant maintenance.

Concrete Circular Saw

p. 22

Wet or dry cutting stone and masonry materials, including granite, marble, terrazzo and concrete. 7" blade, adjustable cutting depth up to 2-1/3". Vacuum connection.

Wall Slotter

p. 22

Cut channels up to 1-13/16" wide x 1-3/4" deep in concrete and masonry. Adjustable width and depth. Vacuum connection.

Concrete Chain Saws

p. 23

Pneumatic and hydraulic diamond concrete chain saws. Deep plunge cuts up to 20" deep and square corners up to 19" with no overcuts. Ideal for mechanical openings and irregular shapes. PowerGrit diamond pneumatic chain saw for ductile iron.

Diamond Saw

p. 24

5" Diamond Saw for wet/dry cutting of hard tile, natural stone and stoneware.



Warranty

Products of CS Unitec, Inc. are warranted to be free from defects in material and workmanship for one year from date of purchase. This warranty does not apply to normal wear or products which have been abused, misused, modified or repaired by someone other than CS Unitec, Inc. or its Authorized Service Representatives. If a product proves defective in material or workmanship within one year after purchase, return it to CS Unitec, Inc. or an Authorized Service Center, transportation prepaid. CS Unitec, Inc. will, at its option, repair or replace defective products free of charge.

CS Unitec, Inc.'s sole liability and your exclusive remedy under this warranty is limited to repair or replacement of the defective product. There are no other warranties expressed or implied and CS Unitec, Inc. shall not be liable for incidental, consequential or special damages, or expenses excepting only the cost or expense of repair or replacement as described above.

Safety

Operators of any power tool should use appropriate safety precautions for work being performed. This includes safety chains, eye protection, hearing protection, gloves and more. Follow instructions included in operating manual.

Hand-Held Construction Scabblers

Vibro-Lo™
Vibration Reduction
Technology

Roughen, reduce and level concrete; prepare surfaces for coatings and finishes

CS Unitec's Trelawny™ line of pneumatic hand-held construction scabblers are ideal for roughing and reducing concrete surfaces to remove laitance and coatings and expose aggregate to allow for proper application of new materials such as textured finishes and waterproofing coatings.

- Single-head scabbler includes integrated Vibro-Lo™ vibration reduction technology
- Triple scabbler includes integrated back handle grip for comfortable operation and control
- Single-piece Tungsten Carbide Tipped pistons with Cruciform or Bush heads

Pneumatic

Triple Scabbler includes integrated back handle grip for operator comfort and control.



Applications include:

- Scabbling concrete to expose aggregate
- Leveling concrete and block joints
- Texturing, roughing and reducing concrete
- Preparing for coatings and waterproofing compounds
- Bridge maintenance

Scabbling Hammer Accessories

	Part No.	For Model Numbers
Single-Piece Cruciform Piston	612.6000	151.6170 and 153.6050
Single-Piece Bush Piston	612.6010	161.6171 and 153.6051
Whip Check	815.5550	
Lubricators	859.1530 859.1555	151.6171 and 151.6170 153.6051 and 153.6050



Bush



Cruciform

CS Unitec's Trelawny™ Vibro-Lo™ Single-Head Scabbler operates with 7x less vibration than standard models. This tool utilizes vibration damping components to offset the hammer vibration created when the head impacts the workpiece.



Concrete scabbling using single-head, Vibro-Lo™ Scabbling Hammer

Pneumatic Hand-Held Construction Scabbling Hammers

Model	Description	Model Number	Weight (lbs.)	Dimensions (LxH)	Blows per minute	CFM @ 90 PSI	Noise Level db(A)	Vibration Levels m/s²
Single Head	Bush Hammer Piston	151.6171	6.5	19" x 6.2"	2800	12	98.5	4.6
	Cruciform Piston	151.6170	6.5	19" x 6.2"	2800	12	98.5	4.6
Triple Head	Bush Hammer Pistons	153.6051	10.5	19" x 8.6"	8400	16	98.5	41.6
	Cruciform Pistons	153.6050	10.5	19" x 8.6"	8400	16	98.5	41.6

Vibro-Lo™

Vibro-Lo™

Heavy-Duty Hand-Held Scabblers

Vibro-Lo™
Vibration Reduction
Technology

Ideal for more demanding concrete preparation and coating removal applications

CS Unitec's Trelawny™ line of pneumatic heavy-duty hand-held scabblers are ideal for more demanding scabbling applications such as the removal of steel scale deposits and the preparation of concrete cracks for repair. These tools also reduce, level, texture and roughen concrete, remove coatings and laitance and scabble concrete to expose aggregate for the application of sealants and coatings.

- Single-head heavy-duty scabbler includes integrated Vibro-Lo™ vibration reduction technology
- Triple scabbler offers 7200 blows per minute
- Single-piece Tungsten Carbide Tipped pistons with Cruciform or Bush heads
- Optional dust shroud for dust and debris collection

Applications include:

- Removing steel scale deposits
- Prepare concrete cracks for repair
- Texturing, roughing, reducing and leveling concrete
- Scabbling concrete to expose aggregate
- Preparing for coatings and waterproofing compounds



Reduce dust and hazardous particles in work area with optional vacuum shroud for Heavy-Duty Hand-Held Scabblers (below).



See page 15 for dust extraction systems.

Heavy-Duty Scabbler Accessories

	Part No.	For Model Numbers
Single-Piece Cruciform Piston	612.5320	151.5200, 196.5100 and 153.5200
Single-Piece Bush Piston	612.5325	151.5250, 196.5105 and 153.5250
Whip Check	815.5550	
Lubricators	859.1530 859.1555	Single-head Scabblers Triple-head Scabblers
Vacuum Shroud*	437.5100 437.5300	151.5200 and 151.5250 153.5200 and 153.5250

* Not available for low-vibration models

CS Unitec's Trelawny™ Vibro-Lo™ Single-Head Heavy-Duty Scabbler operates with 7x less vibration than standard models. This tool utilizes vibration damping components to offset the hammer vibration created when the head impacts the workpiece.



Concrete scabbling using single-head, Vibro-Lo™ Heavy-Duty Scabbler

Pneumatic Hand-Held Construction Scabbling Hammers

Model	Description	Model Number	Weight (lbs.)	Dimensions (LxH)	Blows per minute	CFM @ 90 PSI	Noise Level db(A)	Vibration Levels m/s ²
Single Head	Bush Hammer Piston	151.5250	5.7	19" x 6.2"	2400	6.5	94	7.0
	Cruciform Piston	151.5200	5.7	19" x 6.2"	2400	6.5	94	7.0
Low-Vibration Single Head	Bush Hammer Pistons	196.5105	5.7	19" x 6.2"	2900	11.9	91	4.5
	Cruciform Pistons	196.5100	5.7	19" x 6.2"	2900	11.9	91	4.5
Triple Head	Bush Hammer Pistons	153.5250	11.5	19" x 6.2"	7200	15.9	98	8.7
	Cruciform Pistons	153.5200	11.5	19" x 6.2"	7200	15.9	98	8.7

Vibro-Lo™

Vibro-Lo™

11-Head Floor Scabbler - MHS11

Vibro-Lo™
Vibration Reduction
Technology

Concrete keying and laitance removal – 11 heads provide 24,000 light blows per minute

CS Unitec's Trelawny™ MHS11 Multi-Headed Concrete Floor Scabbler is a portable, compact, low-vibration machine that covers up to 100 sq. ft./hour.

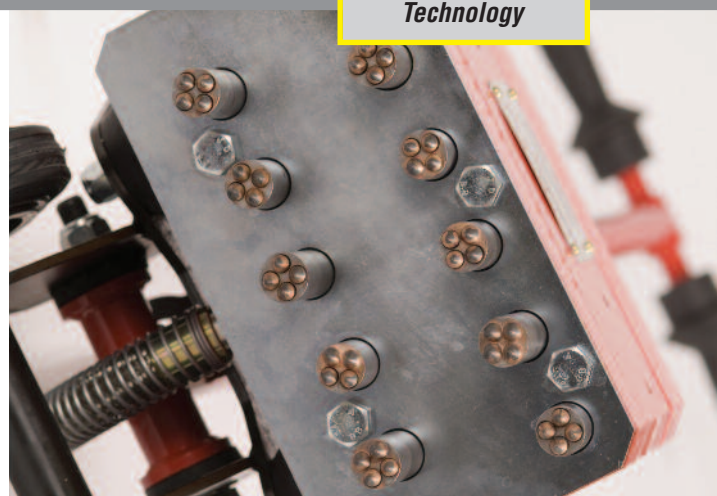
- Integrated Vibro-Lo™ vibration reduction technology
- 24,000 light blows per minute
- Built-in dust shroud for dust and debris collection (model no. 159.6051)
- Low air consumption

Pneumatic

MHS11 includes dust shroud and vacuum port
(Model no. 159.6051)

Applications include:

- Concrete keying
- Laitance removal
- Situations requiring gentle, effective scabbling without damaging the substrate below

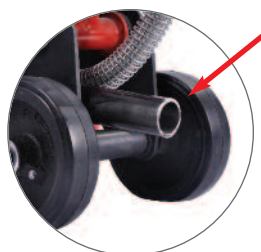


CS Unitec's Trelawny™ MHS11 multi-headed concrete floor scabbler operates with 7x less vibration than standard models. This tool utilizes a 3-point mechanical vibration damping system to offset the hammer vibration created when the head impacts the workpiece.

Dust Port

Dust shroud, P/N 437.0120, to collect dust and debris when connected to a dust collection vacuum. Included with model no. 159.6051

See page 15 for dust extraction systems.



MHS11 Accessories

	Part No.	For Model Numbers
One-Piece Piston TCT Bush Hammer Head	612.0125	159.6050 and 159.6051
Replaceable TCT Bush Hammer Cutter Head	426.5355	159.6000*
Replaceable TCT Cruciform Cutter Head	426.5358	159.6100*
Piston for Replaceable Cutter Heads	612.0120	159.6000 and 159.6100*
Whip Check	815.5550	
Lubricators	859.1580	

* Call for details

Head Applications:

Bush Hammer Heads are ideal for laitance removal; roughing concrete for resurfacing; bridge deck preparation for waterproofing.

Cruciform Cutter Heads are ideal for leveling floors, reducing concrete; removal of floor paints and coatings.

Call for details on complete MHS 11 with Cruciform Heads.

MHS11 Low-Vibration Pneumatic Multi-Headed Concrete Floor Scabbler

Model	Description	Model Number	Weight (lbs.)	Dimensions (WxLxH)	Cutting Width	Blows per minute	CFM @ 90 PSI	Noise Level db(A)	Vibration Levels m/s ²
MHS11	With Dust Shroud and Bush Hammer Heads	159.6051	158	11.25" x 13.5" x 50"	10"	24,200	55	97	4.96
	With Bush Hammer Heads	159.6050	155	11.25" x 13.5" x 50"	10"	24,200	55	97	4.96

Vibro-Lo™

Vibro-Lo™

Multi-Headed Floor Scabbler - MHS5

Fast concrete removal and demolition with integrated dust port

CS Unitec's Trelawny™ MHS5 Multi-Headed Concrete Floor Scabbler is the ultimate demolition tool for quick concrete removal.

- 6500 BPM for fast removal and demolition
- Integrated dust shroud for dust and debris collection
- Large wheels for rough terrain
- Built-in dead man's handle

Applications include:

- Leveling high spots
- Texturing and roughening for sealant and overlay preparation
- Breaking down hard coatings prior to blast cleaning



MHS5 includes integrated vacuum shroud and port.

See page 15 for dust extraction systems.

MHS5 Accessories

	Part No.
Cruciform Scabbler Head	441.5360
5-Point Bush Hammer Head	441.5359
9-Point Bush Hammer Head	441.5369
Whip Check	815.5550
Lubricators	859.1580
Dust Shroud	Included

Head Applications:

Cruciform Scabbler Heads are ideal for leveling floors, reducing concrete and removal of floor paints and coatings.

5-Point Bush Hammer Heads are ideal for laitance removal from large floor areas, roughing concrete prior to resurfacing and bridge deck preparation for waterproofing.

9-Point Bush Hammer Heads are ideal for leveling uneven joints and creating excellent bond profiles for epoxies, urethanes and thin overlays.

MHS5 Pneumatic Multi-Headed Concrete Floor Scabbler

Model	Description	Model Number	Weight (lbs.)	Dimensions (WxLxH)	Cutting Width	Blows per minute	CFM @ 90 PSI	Noise Level db(A)	Vibration Levels m/s ²
MHS5	5-Point Bush Head	159.5050	251	28" x 43" x 38"	11"	6500	80	94.7	16.5
	9-Point Bush Head	159.5075	251	28" x 43" x 38"	11"	6500	80	94.7	16.5

Floor Scarifiers - Electric, Pneumatic and Gas

Remove rust, scale, paint, adhesives and more from concrete and steel

CS Unitec's Trelawny™ Floor Planers tackle the most demanding surface preparation and material removal applications. Ideal for the removal of coatings and corrosion from concrete and steel surfaces to prepare for re-coating. Produce an ideal keyed or grooved profile on concrete for waterproofing and non-slip surface applications.

- Depth control maximizes performance and extends cutter life
- Integrated vacuum connection and hold-to-run handle
- Fully adjustable handlebar for operator comfort
- Electric, pneumatic or gas power



Applications include:

- Removal of rust, scale, paint, adhesives and more
- Keyed or grooved profiles
- Roughing concrete



TFP 200 Electric



TFP 200 Pneumatic



TFP 200 Gas



TFP 200 Cutters

	Individual Cutter	Drum Assembly
Wire Brushes	N/A	320.9620
Beam Cutters	320.5120	320.1020SB
Star Cutters	320.3658	320.1020SS
Tungsten Carbide Tipped Cutters	320.5500	320.1020ST
Milling Cutters (22mm)	320.5600	320.1020SM
Milling Cutters (11mm)	320.5650	320.1020SM
Tungsten Carbide Tipped Cutters (for grooving)	320.5500	320.002G

Cutter Applications:

Wire Brushes are ideal for finish cleaning and polishing on steel; can be used for light concrete deposit.

Beam Cutters are ideal for light paint/corrosion removal, with minimal damage to substrate.

Star Cutters are ideal for the removal of mastics and rubberized coatings.

Tungsten Carbide Tipped Cutters are ideal for aggressive applications such as roughing concrete and heavy corrosion removal, as well as grooving roadways for non-slip surface.

Milling Cutters are ideal for the removal of plastic road markings without penetrating the surface.



TFP 200 Floor Scarifiers

Model Number	Motor Specifications	Max Cutting Depth per Pass	Cutting Width	Dimensions (WxLxH)	Weight (lbs.)
TFP 200 Electric					
320.2004T	220V - 240V, 3 HP	1/8"	8"	14" x 35" x 35"	149
TFP 200 Pneumatic					
320.2012T	165CFM @ 90 PSI, 3.5 HP	1/8"	8"	14" x 35" x 35"	99
TFP 200 Gas					
320.2000T	Honda GX160 Gas, 5.5 HP	1/8"	8"	14" x 35" x 35"	130

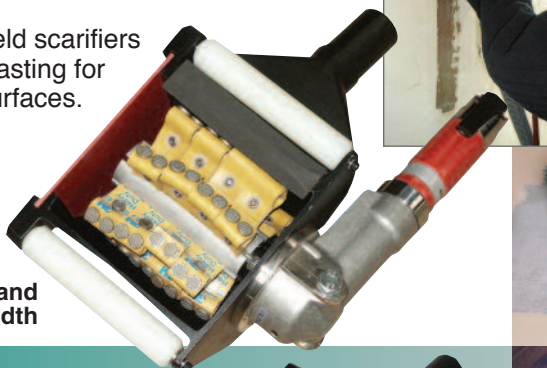
Hand-Held Scarifiers - Pneumatic and Electric

Peening preparation – ideal alternative to small-area shot blasting

CS Unitec's Trelawny™ Rotopeen™ hand-held scarifiers are the ideal alternative to small-area shot blasting for cleaning and preparing concrete and steel surfaces.

- Pneumatic and electric models
- Integrated dust shroud for dust and debris collection, as well as cleaner, safer removal of lead-based paints and contaminated particles

Pneumatic Models 194.0405 and 194.C405, 4" cutting width






Applications include:

- Aggressive removal of alkyds, adhesives, lead-based paints, mastics, coatings corrosion and more
- Cleaning and preparing concrete and steel surfaces



Hand-Held Scarifier Accessories

	Star Cutter P/N 312.S200 <i>Aggressive removal of thick coatings</i>	Beam Cutter P/N 312.R200 <i>Removal of hard coatings, less aggressive than star cutter</i>	3M™ Rotopeen™ 'C' Flap P/N 312.MRPC <i>Removal of light paint and rust to bare metal finish</i>	
	HEAVY SCALING		LIGHT BURNISHING	
Nuclear	—	—	Radioactive waste removal/capture	 Star Cutter Cutting Width: 2" 4" Quantity Required: 80 160
Ships decks	Non-slip coatings	—	General paint removal	 Beam Cutter Cutting Width: 2" 4" Quantity Required: 56 112
Construction	Plaster removal	Ceiling / wall paint removal	Ceiling / wall paint removal	 Rotopeen™ 'C' Flap Cutting Width: 2" 4" Quantity Required: 6 12
Factory Floors	—	Floor marking removal	Floor marking removal	
Swimming Pools	Adhesive removal	Adhesive removal	—	
Bridge Maintenance	Sealant removal	—	Paint / sealant removal	
Pipeline Maintenance	—	—	Protective coating removal	

Pneumatic Hand-Held Scarifiers

Model Number	CFM @ 90 PSI	Speed (RPM)	Cutting Width	Cutting Media	Weight (lbs.)	Vibration Levels m/s ²	
194.0205	30	2700	2"	'C' Flaps	7.5	3.5	<i>These models are compatible with Star Cutters, Beam Cutters and Rotopeen™ 'C' Flaps</i>
194.C205	30	2700	2"	Star Cutters	11.5	6.0	
194.0405	30	2700	4"	'C' Flaps	9	3.1	
194.C405	30	2700	4"	Star Cutters	13.25	4.6	

Electric Hand-Held Scarifiers

Model Number	Motor Power	Speed (RPM)	Cutting Width	Cutting Media	Weight (lbs.)	Vibration Levels m/s ²
195.1217	110V	2000	2"	'C' Flaps	10	3.6
195.1220	220V	2000	2"	'C' Flaps	10	3.6



Electric Model 195.1220
2" cutting width
with Rotopeen™ 'C' flaps

Low-Vibration Needle/Chisel Scalars

Vibro-Lo™
Vibration Reduction
Technology

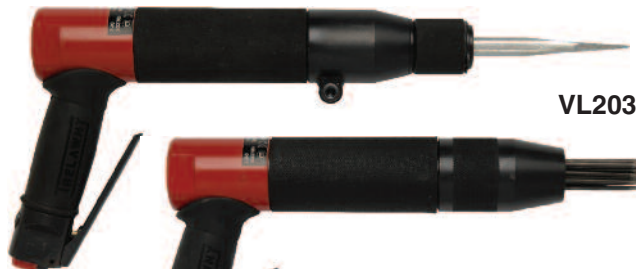
High power with low vibration – equipped with Vibro-Lo™

CS Unitec's Trelawny™ line of Low-Vibration needle/chisel scalars offer high performance and low vibration for greater productivity and improved operator comfort. Ergonomically designed with low maintenance and quick change tooling option.

- Integrated Vibro-Lo™ vibration reduction technology
- Lightweight, easy to handle
- Optional dust shroud for dust and debris collection
- Tool-free needle changeover
- Converts to chisel scalar in seconds



VL223



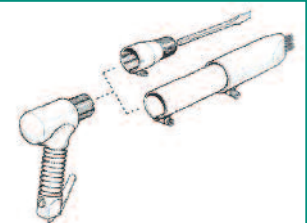
VL203



VL303



Needle Scalars and
Chisel Scalars convert in
seconds with optional
head or when purchased
as a Kit. See following
page for Kit information.



Applications include:

- Texturing concrete
- Cleaning and stress-relieving weld seams and joints
- Removing coatings, corrosion and other accumulated materials
- Splitting, chipping, pointing and brick raking



Vibro-Lo™ Needle Scalers

Grip	Description	Model Number	Needle Quantity/ Diameter	Weight (lbs.)	Blows per minute	CFM @ 90 PSI	Noise Level db(A)	Vibration Levels m/s²
Inline	VL223 Needle Scaler	199.2103	19 / 3mm	5.25	2400	4	90.7	2.56
	VL223 Needle Scaler with dust shroud	139.2103	19 / 3mm	5.25	2400	4	90.7	2.56
Pistol	VL203 Needle Scaler	199.2003	19 / 3mm	6	2400	4	90.7	2.75
	VL203 Needle Scaler with dust shroud	199.2303	19 / 3mm	6	2400	4	90.7	2.75
	VL303 Needle Scaler	199.3003	28 / 3mm	7.75	3000	5.5	109.5	2.3
	VL303 Needle Scaler with dust shroud	199.3005	28 / 3mm	7.75	3000	5.5	109.5	2.3

See page 13 for the following types of needles:

Chisel for light surface marking

Flat for light treatment and polishing effect

Pointed for very hard scale

Copper Beryllium for use in potentially explosive areas

Stainless Steel for use in applications where corrosion or humidity is a problem, such as the food processing industry



Dust Collection Shroud for Vibro-Lo™ Needle Scalers



Optional Dust Shroud for Needle Scalers – for use with dust extraction vacuums.

Model VL223 Needle Scaler – Order Dust Shroud P/N 418.2003

Model VL203 Needle Scaler – Order Dust Shroud P/N 418.2003

Model VL303 Needle Scaler – Order Dust Shroud P/N 418.3003

See page 15 for dust extraction systems.



Vibro-Lo™ Chisel Scalers

Grip	Description	Model Number	Weight (lbs.)	Blows per minute	CFM @ 90 PSI	Noise Level db(A)	Vibration Levels m/s²
Inline	VL223 Chisel Scaler	199.2213	6.5	2400	4	76.3	3.69
Pistol	VL203 Chisel Scaler	199.2203	7	2400	4	76.3	3.33
	VL303 Chisel Scaler	199.3203	9.5	3000	5.5	78.2	3.7

Vibro-Lo™ Needle/Chisel Scaler Kits

CS Unitec offers Vibro-Lo™ Needle/Chisel Scaler Kits, each supplied with the Needle Scaler, 3mm needles, a chisel holder, anvil and a 3/4" blade chisel.



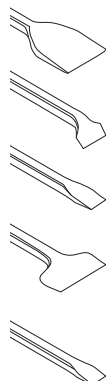
VL223 Kit – Order P/N 199.2113

VL203 Kit – Order P/N 199.2105

VL303 Kit – Order P/N 199.3103

Chisels for Vibro-Lo™ Chisel Scalers

Chisel Part Number	Shank	Length	Width	Application
704.3110	Square	7"	2"	Spark-resistant Aluminum Bronze for use in hazardous areas
704.3205	Square Cranked End	7"	3/8"	Weld flux and thick coating removal
704.3101	Square	7"	3/4"	Weld splatter removal
704.3103	Square	7"	2-1/2"	Wide flat chisel for the removal of rust or peeling paint
704.3107	Square	10"	3/4"	Flat chisel for weld splatter and sand cast cleaning



CS Unitec offers a full line of non-sparking, non-magnetic chisels and safety hand tools for hazardous areas and Ex zones. Contact us for details.

Drop Protection Kit

CS Unitec offers a drop protection kit for our Vibro-Lo™ Needle/Chisel Scalers. Protect your investment when working at heights or in applications where dropping/losing the tool is likely, including: offshore platforms and rigs, bridges/scaffolding, vessels and ships.



For VL223 and VL203
Order P/N 720.2003*

For VL303
Order P/N 720.3003*

* Safety clip and line not supplied



Standard Needle/Chisel Scalars

Standard Needle and Chisel Scalars

Grip	Description	Model Number	Needle Qty./Dia.	Weight (lbs.)	Blows per minute	CFM @ 90 PSI	Noise Level db(A)	Vibration Levels m/s ²
Inline	1B Needle Scaler	111.1099	12 / 3mm	3.5	3800	3.0	110.4	8.5
	1B Chisel Scaler	114.1200	N/A	3.3	3800	3.0	98.9	8.2
	2B Needle Scaler	121.2099	19 / 3mm	5.75	3000	5.5	113.3	9.3
	2B Chisel Scaler	124.2200	N/A	4.4	3000	5.5	98.6	17.4
Pistol	2BPG Needle Scaler	123.2199	19 / 3mm	5.75	3000	5.5	113.3	12.6
	2BPG Chisel Scaler	125.2300	N/A	4.5	3000	5.5	98.6	22.4
	3BPG Needle Scaler	133.3199	28 / 3mm	8.25	2200	8.0	114.5	18.9
	3BPG Chisel Scaler	135.3300	N/A	6.2	2200	8.0	105.1	25.6
	3BPG Chisel Scaler*	135.3395	N/A	6.2	2200	8.0	105.1	25.6
Semi Pistol	3B Needle Scaler	131.3099	28 / 3mm	10	2200	8.0	114.5	12.2
	3B Chisel Scaler	134.3200	N/A	7.5	2200	8.0	105.1	19.9
	4B Needle Scaler	141.4099	35 / 4mm	12.5	1800	8.5	117.4	23.5
	4B Chisel Scaler	144.4200	N/A	8.2	1800	8.5	105.1	45.2

* 3BPG Chisel Scaler 135.3395 has 5/8" hexagonal chisel holder and is compatible with chisels shown on page 14. All others Chisel Scalars shown above have 1/2" square connection.

See page 13 for needles:

Chisel for light surface marking

Flat for light treatment and polishing effect

Pointed for very hard scale

Copper Beryllium for use in potentially explosive areas

Stainless Steel for use in applications where corrosion or humidity is a problem, such as the food processing industry



Inline Grip



Pistol Grip



Semi Pistol Grip



Dust Collection Shroud for Standard Needle Scalars

Optional Dust Shroud for Needle Scalars – for use with dust extraction vacuums.
Model 2B and 2BPG Needle Scalars – Order Dust Shroud P/N 418.2199
Model 3BPG Needle Scaler – Order Dust Shroud P/N 418.3039

TVS™ Needle Scalars with Integrated Vacuum Shroud



CS Unitec's Trelawny™ TVS™ Needle Scalars with Integrated Vacuum Shroud enable dust-free working in hazardous applications when used with a dust extraction vacuum (see page 15 for dust collection systems).

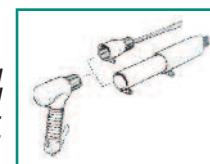
Grip	Description	Model Number	Weight (lbs.)	Blows per minute	CFM @ 90 PSI	Noise Level db(A)	Vibration Levels m/s ²
Inline	2B Needle Scaler	139.2007	6.4	3000	5.5	98.6	17.4
Pistol	2BPG Needle Scaler	139.2107	6.6	3000	5.5	98.6	22.4
	3BPG Needle Scaler	139.3107	9.9	2200	8.0	105.1	19.9

Chisels for Standard Chisel Scalars

1/2" Square Connection

Chisel Part No.	Shank	Length	Width	Application
704.1110	Square	7"	2"	Spark-resistant Aluminum Bronze for use in hazardous areas
704.2105	Square Cranked End	7"	3/8"	Weld flux and thick coating removal
704.1101	Square	7"	3/4"	Weld splatter removal
704.1103	Square	7"	2-1/2"	Wide flat chisel for the removal of rust or peeling paint
704.1107	Square	10"	3/4"	Flat chisel for weld splatter and sand cast cleaning
704.1106	Square	8"	1/4"	Mortar removal for repointing brick work
704.1112	Square	7"	Moil Point	Concrete chipping

Standard Needle Scalars and Chisel Scalars convert in seconds with optional head or when purchased as a Kit. Contact us for more information.



CS Unitec offers a full line of non-sparking, non-magnetic chisels and safety hand tools for hazardous areas and Ex zones. Contact us for details.



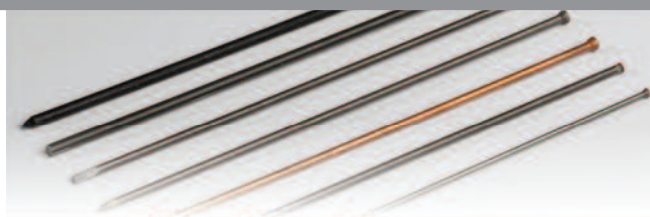
Above: Model 1B Chisel Scaler with Square Cranked End Chisel for removal of flux

Needles

CS Unitec's Trelawny™ needles last 10x longer than standard needles. Save time and money with fewer needle changes and less downtime.

All of CS Unitec's Needle Scalers are delivered from stock complete with 180mm long x 3mm diameter chisel-tipped high-performance needles. Other needle holders are available as accessories for use with 2mm and 4mm diameter needles. We also offer spark-resistant needles for use in potentially hazardous areas and Ex zones, as well as stainless steel needles for use in humid areas – such as applications in the food processing industry – where corrosion is a concern.

Standard pack set is one carton of 6 sets. Some models are packed as an individual set in a box. Boxes of 100 qty. needles in a durable, reusable plastic container are available, as well as larger quantities.



Chisel Tip

These needles will clean the same materials as a pointed tip, but will leave light surface marking



Size	Description	Part #
3mm	6 x sets of 12 needles	413.2112
3mm	6 x sets of 19 needles	413.2119
3mm	6 x sets of 28 needles	413.2128
3mm	6 x sets of 49 needles	413.2149
3mm	Box of 100 needles	453.2110
3mm	Box of 1000 needles	443.2107

Flat Tip

Flat-tipped needles will reduce marking on metal surfaces and can give a polishing effect. For use on thin gauge metals and any surface where a light treatment is required.



2mm needles used on a welded joint produce a similar effect to shot peening, reducing stress in the weld.

Size	Description	Part #
2mm	6 x sets of 29 needles	412.1129
2mm	6 x sets of 51 needles	412.1151
2mm	6 x sets of 65 needles	412.1165
2mm	Box of 100 needles	452.1110
2mm	Box of 2000 needles	442.1107
3mm	6 x sets of 12 needles	413.1112
3mm	6 x sets of 19 needles	413.1119
3mm	6 x sets of 28 needles	413.1128
3mm	6 x sets of 49 needles	413.1149
3mm	Box of 100 needles	453.1110
3mm	Box of 1000 needles (180mm long)	443.1107
4mm	6 x sets of 19 needles	414.1119
4mm	6 x sets of 35 needles	414.1135
4mm	Box of 50 needles	454.1105
4mm	Box of 500 needles	444.1107
3mm	Box of 1000 needles 5" long (127mm)	443.1105
3mm	19 x needles 5" long (127mm)	443.1115

Pointed Tip

Sharpened to a conical point, these are the most effective in breaking through very hard scale on materials where some surface indentation is permissible – or where a roughening or keying of the surface is actually desirable.



Size	Description	Part #
3mm	6 x sets of 12 needles	413.3112
3mm	6 x sets of 19 needles	413.3119
3mm	6 x sets of 28 needles	413.3128
3mm	6 x sets of 49 needles	413.3149
3mm	Box of 100 needles	453.3110
3mm	Box of 1000 needles	443.3107
4mm	6 x sets of 19 needles	414.3119
4mm	6 x sets of 35 needles	414.3135
4mm	Box of 50 needles	454.3105
4mm	Box of 500 needles	444.3107

See page 15 for dust extraction systems.

Conversions:

2mm = 0.08"
3mm = 0.12"
4mm = 0.16"
180mm = 7"

Spark-Resistant Copper Beryllium

Available in 3mm flat tip only; for use in potentially hazardous areas.



Size	Description	Part #
3mm	Box of 12 needles	403.1312
3mm	Box of 19 needles	403.1319
3mm	Box of 28 needles	403.1328
3mm	Box of 49 needles	403.1349
3mm	Box of 100 needles	453.1310
3mm	Box of 500 needles	443.1307

Stainless Steel

Available in 3mm flat tip form only, to be used in applications such as refurbishment of food processing machinery or areas of high humidity where the corrosive effect on needles would be prohibitive. Used on decorative concrete surfaces where contamination of the surface from carbon steel needle is undesirable.



Size	Description	Part #
3mm	Box of 100 needles	453.1207
3mm	Box of 500 needles	443.1207

Long-Reach Chisels/Scrapers/Scalers

Chip, scrape and descale with one versatile tool

CS Unitec's Trelawny™ Long-Reach Scrapers feature one tool with multiple applications.

- Available in 2', 4', 5' and 6' lengths
- Three tools in one – chipper, scraper and descaler
- Quick-change chisel release
- Low air consumption
- Standard and "LITE" models

Applications include removal of:

- Ice
- Residue
- Adhesive
- Asbestos
- Linoleum
- Carpeting
- Plaster
- Mortar
- Floor tiles
- Metal slag
- Rubber coatings
- Roofing materials
- Chemical spillages
- Bituminous products



Chisel Accessories

Chisel Part No.	Chisel Length	Blade Width	Applications
705.1100	9"	2"	Spark-resistant aluminum bronze for use in hazardous areas
705.1101	9"	1"	Flat chisel for sand cast chipping
705.1102	8"	4"	Asphalt cutter / paint removal / general chipping applications
705.1106	9"	2"	Removal of linoleum from floor base
705.1112	8"	4"	Spark resistant aluminum bronze for use in hazardous areas
705.2102	8"	4"	Floor tile removal
708.1101	1"	1-1/8" comb insert	Brick cleaning and reclamation (use with 8" long comb holder 708.1100)

Chipping Scraping Descaling



Scraper Accessories

Scraper Assembly Part No.	Blade Pack	Blade Width	Applications
Flat			
431.3504	439.3504 (5 Blades)	4"	Adhesive and paint build up removal
431.3508	439.3508 (5 Blades)	8"	Paint and coating spillage removal
431.3512	439.3512 (4 Blades)	12"	Carpet and tile removal
Beveled			
431.3904	439.3524 (5 Blades)	4"	Stubborn adhesive removal
431.3908	439.3528 (5 Blades)	8"	Carpet and tile removal
431.3912	439.3522 (4 Blades)	12"	Adhesive removal

Needle Scaler Accessories

All long-reach scrapers are available as needle scalers by changing the scraper/chisel with the needle attachment P/N 415.3532. See page 13 for needles.

Long-Reach Chisels/Scrapers

Model	Description	Model No.	Weight (lbs.)	Blows per minute	CFM @ 90 PSI	Noise Level db(A)
Standard Scrapers	2ft. Chisel	136.3299	8	2200	4.5	84
	4ft. Needle	137.3400	11	2200	4.5	104
	4ft. Chisel	136.3499	11	2200	4.5	84
	5ft. Chisel	136.3599	12	2200	4.5	86
LITE Scrapers	4ft. Chisel	136.3497	6.75	2200	4.5	89
	5ft. Chisel	136.3597	7.5	2200	4.5	89
	6ft. Chisel	136.3697	8.5	2200	4.5	84



Concrete Grinders and Dust Collection Vacuums



7" EBS 180 H
with Walk-
Behind Cart

Optional Walk-behind Carts:
for EBS 125.5 - P/N 37210
for EBS 180 H - P/N 37217

Low-Vibration Hand-Held and Walk-Behind Grinders

- Vibration reduction technology
- Remove paint, epoxy, glue and other hard coatings
- Smooth rough surfaces
- Clean concrete before applying new paint or coatings
- Collect dust for clean working area with a CS Unitec dust extraction vacuum

Model No.	Motor Power (Amps)	Grinding Capacity	Load Speed (RPM)	Weight (lbs.)
Hand-held Grinders				
EBS 125.5 D	14	5"	10,000	10
EBS 1802 D	16	5"	10,000	12
EBS 180 H	20	7"	9,500	18
Walk-behind Grinders				
EBS 235	20	9"	1,380	84



9" dia.
EBS 235



5" dia. EBS 125.5 D



5" dia. Heavy-duty EBS 1802 D



7" dia. EBS 180 H

Diamond Grinding Wheels

	General Use	Uncoated (clear) Concrete	PCD Grinding Wheel
for EBS 125.5	37114	37102	37115
for EBS 1802 D	37114	37102	37115
for EBS 180 H	37111	37112	37119

Diamond Plate/Inserts for EBS 235

9" Base Plate - P/N 37120 E
Diamond Inserts (Gold) - P/N 37122 (5 pieces per set)
Diamond Inserts (Yellow) - P/N 37123 (5 pieces per set)
PCD Diamond Inserts (Black) - P/N 37121 (5 pieces per set)

Dust Collection Vacuums with HEPA Filtration

CS Unitec's dust extraction vacuums offer strong 130 CFM air flow and an electromagnetic pulse filter cleaning system to maximize vacuum power and dust collection.

- Ideal for use with power tools
- 99.999% HEPA filtration efficiency of particles down to 0.3 microns; automatic filter cleaning
- "Power Take Off" outlet activates the vacuum ON/OFF from the power tool switch
- Non-HEPA models available, 99.930% filtration efficiency
- Kit available to connect two power tools (P/N 198804)



Model CS 1445 H
(shown at left)
automatically
"pulse" cleans
filters without
interrupting
operation!



CS 1225 H

Optional Filter Bags

Paper filter bags for CS 1225 and CS 1445 - P/N 416014 (5-pack)
Plastic filter bags for CS 1225, CS 1445 and CS 1500 - P/N 421742 (5-pack)
Paper filter bags for CS 1500 - P/N 416021 (5-pack)
Slurry filter bags for CS 1500 - P/N 420592 (3-pack)

HEPA Vacuum Specifications

	CS 1225 H	CS 1500 H	CS 1445 H
Power	11 Amp	11 Amp	11 Amp
Air flow	130 CFM	130 CFM	130 CFM
Tank capacity	6.6 gal.	13 gal.	9 gal.
Weight	24.3 lbs.	35.2 lbs.	24.3 lbs.
Filter P/N (2pk.)	428956	428956	428956

Standard Vacuum Specifications

	CS 1225	CS 1500	CS 1445
Power	11 Amp	11 Amp	11 Amp
Air flow	130 CFM	130 CFM	130 CFM
Tank capacity	6.6 gal.	13 gal.	9 gal.
Weight	24.3 lbs.	35.2 lbs.	24.3 lbs.
Filter P/N (2pk.)	416069	416069	416069

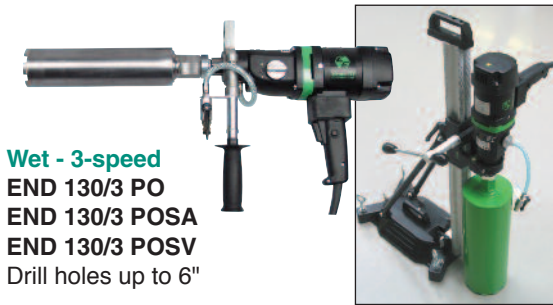
We make no claim that use of a vacuum will eliminate contaminants. Wear an approved respirator mask and follow all appropriate OSHA safety regulations for proper ventilation, dust handling, eye protection, etc. when using a dust extraction grinder and vacuum.

Wet and Dry Diamond Core Drills - Electric

Hand-Held and Rig-Mounted Core Drills

- Drill holes from 5/32" to 18" dia. in floors, walls and ceilings
- Fast drilling of reinforced concrete, concrete, brick, block and stone
- 5/8" and 1-1/4" standard thread connections
- Drills are equipped with a "slip clutch"
- Wet/Dry models have dust collection port

Wet and Dry Diamond Core Bits available for concrete, stone, asphalt and more. Contact us for details.



Wet - 3-speed
END 130/3 PO
END 130/3 POSA
END 130/3 POSV
Drill holes up to 6"



END 130/3POSV



Wet/Dry - 2-speed
ETN 2001 P
ETN 2001 PSA
ETN 2001 PSV
Drill holes up to 4"



Wet/Dry - 3-speed
ETN 162/3 P
ETN 162/3 PSA
ETN 162/3 PSV
Drill holes up to 6"

Model No.	Motor Power (Amps)	Drilling Diameter	Load Speed (RPM)	Weight (lbs.)*	Drill with Anchor Stand Model No.	Drill with Anchor Stand & Vacuum Pump Model No.
END 712 P	6.3	5/32" to 3/4"	0-8000	5	N/A	N/A
END 1550 P	13	1/4" to 2-5/8"	1800-4400	7	N/A	N/A
ETN 2001 P	15	up to 4"	0-800/0-1570	15	ETN 2001 PSA	ETN 2001 PSV
ETN 162/3 P	19	up to 6"	0-510/0-1150/0-2500	15	ETN 162/3 PSA	ETN 162/3 PSV
END 130/3 PO	15	up to 6"	600/1300/2800	16	END 130/3 POSA	END 130/3 POSV
EBM 350/3 P	24.5	up to 14"	230/500/1030	28	EBM 350/3 PSA	EBM 350/3 PSV
DBE 160	18	up to 6"	700	34**	Included	N/A

* Weight is for hand-held models only. Please contact CS Unitec for weight information on drill rig combinations.

** Weight is for the complete drill rig.

Note: Hand-held core drills are intended up to a max. of 3" dia. for hand-held drilling or up to 6" dia. with a stand.



1-speed
DBE 160
Rig-mounted
Drill holes up to 6"



3-speed
EBM 350/3 P (motor only, for use with compatible stands)
EBM 350/3 PSA (anchor stand)
EBM 350/3 PSV (anchor vacuum stand)
Drill holes up to 14"

END 1550 P
Ideal for stone, tiles, ceramic, porcelain, stoneware, glass, reinforced concrete and more
Drill holes up to 2-5/8"
1800-4400 RPM
Swivel anchor stand available: BST 50V



END 712 P
Mini Diamond Drill for tile, natural stone and concrete
Drill holes 5/32" to 3/4"
0-8000 RPM



Dry Diamond Core Drills and Stands

Core Drill Stands



360° swivel range

BST 50V
Anchor Stand,
17" high,
16 lbs.



BST 85
Anchor Stand,
31" high,
16 lbs.



BST 104/60V
Anchor Vacuum
Stand, 30" high,
21 lbs.



BST 162 V
Anchor Vacuum
Stand, 38" high,
31 lbs.



BST 300
Anchor Stand,
44" high,
45 lbs.



BST 300 V
Anchor Vacuum
Stand, 44" high,
50 lbs.



Water Recycling and Slurry Containment Vacuum

- Ideal for wet-working tools such as diamond core drills, tile saws and wet grinders
- Slurry and debris are contained in filter bag
- Continuous loop system returns clean water back into the vacuum for delivery back to the tool
- Can also be used as a regular wet/dry vacuum and to pump water from one location to another

CS 2000 shown with
END 130/3POSV
Core Drill and Water
Collection Ring.



CS 2000

Power	17 Amp, 115 VAC/60Hz
Water Capacity	7 gallons
Pump Output	78 GPM at ground level
Water Lift	18 ft. max. discharge height
Water Pressure	14.5 PSI (pump delivery)
Air Flow	150 CFM
Canister Volume	13 gallons
Canister	Stainless steel tank with cart
Dimensions	20.5" W x 21.6" L x 39.5" H
Weight	59 lbs.
Slurry Filter Bags	P/N 420592

Water Collection Rings

Part No. Description

35875	Water Collection Trap Ring for BST 104/60 V
3587A	Water Collection Trap Ring for BST 162 V
35879	Water Collection Trap Ring for BST 300 and BST 300 V
35849	Water Collection for Hand-Held Drilling (ETN 2001 P)
35847	Water Collection for Hand-Held Drilling (END 130/3PO and ETN 162/3P)
255.036	Water Collection for Hand-Held Drilling (2 1320, 2 1333, 2 1335 and 2 1317)

Hand-Held Dry Core Drilling



EHD 1300
Drill holes
up to 3-1/4"



EHD 2000
Drill holes
up to 5"

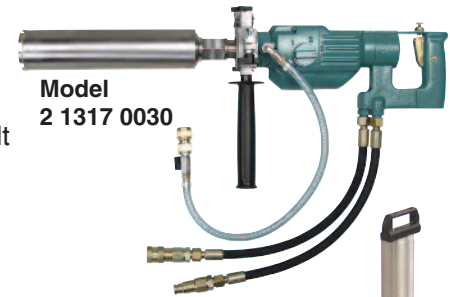
Model No.	Motor Power (Amps)	Drilling Diameter	Load Speed (RPM)	Weight (lbs.)
EHD 1300	12	up to 3-1/4"	0-2000	7
EHD 2000	15	up to 5"	0-1000/0-2000	13

Wet Diamond Core Drills - Hydraulic and Air

Hydraulic Core Drills

- Rugged 3-speed gearbox with mechanical slip clutch
- Ideal for heavy-duty wet drilling in concrete, reinforced concrete and asphalt
- Self-regulating oil flow control – required volume of 6 GPM; flow up to 13 GPM is automatically bypassed back to the tank
- Hose diameter: 1/2" ID Hose with 3/8" FF (HTMA) Couplings

Model No.	Motor Power (HP)	Max. Drilling Dia.	Free Speed (RPM)	Connecting Threads	Oil Flow/ 2000 PSI	Weight (lbs.)	Stand
2 1317 0030*	3.6	6"	380/900/1800	1-1/4"x7 UNC Male 5/8"x11 UNC Male G 1/2" Female	6 GPM	16	N/A*
2 1327 0010 SA	4.2	12"	380/900/1800	1-1/4"x7 UNC Male G 1/2" Female Optional: 5/8"x11	6 GPM	69	Anchor Stand
2 1327 0010 SV	4.2	12"	380/900/1800	1-1/4"x7 UNC Male G 1/2" Female Optional: 5/8"x11	6 GPM	82	Anchor Stand and Vacuum Pump



Model
2 1317 0030



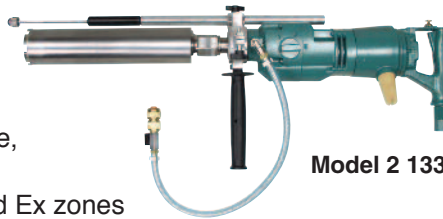
Model
2 1327 0010 SA

Note: Hand-held core drills are intended up to a max. of 3" dia. for hand-held drilling or up to 6" dia. with a stand.

* For Drill Rig with Anchor Stand, Order No. 2 1317 0030 SA; for Drill Rig with Anchor Stand and Vacuum Pump, Order No. 2 1317 0030 SV

Pneumatic Core Drills

- Rugged 3-speed gearbox with mechanical slip clutch
- Ideal for heavy-duty wet drilling in concrete, reinforced concrete and asphalt
- Pneumatic power for hazardous areas and Ex zones



Model 2 1333 0010



Model 2 1328 0050 SA

Model No.	Motor Power (HP)	Max. Drilling Dia.	Load Speed (RPM)	CFM@ 90 PSI	Weight (lbs.)	Stand
2 1333 0010	2.1	3"	400/900/1600	77	18	N/A
2 1333 0010 SA	2.1	6"	400/900/1600	77	49	Anchor Stand
2 1333 0010 SV	2.1	6"	400/900/1600	77	51	Anchor Stand & Vacuum Pump
2 1335 0010	3.8	3"	300/700/1350	123	21	N/A
2 1335 0010 SA	3.8	6"	300/700/1350	123	52	Anchor Stand
2 1335 0010 SV	3.8	6"	300/700/1350	123	54	Anchor Stand & Vacuum Pump
2 1328 0050 SA	3.8	12"	300/700/1350	123	66	Anchor Stand
2 1328 0050 SV	3.8	12"	300/700/1350	123	72	Anchor Stand & Vacuum Pump

Note: Hand-held core drills are intended up to a max. of 3" dia. for hand-held drilling or up to 6" dia. with a stand.

Power Packs

Hydraulic Power Unit

Model P95

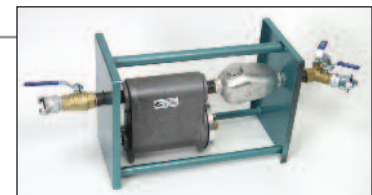
- Ideal for use with our hydraulic power tools
- Delivers 5 GPM or 8 GPM at 2000 PSI
- Easy to move with lift and latch handle
- Weighs 330 lbs.



AirPac Dryer/Cleaner

Model CSAP-2

- Removes moisture and dirt from air lines; a float valve automatically ejects water and dirt
- Includes automatic oiler; protects tools from freezing in cold environments
- Eliminates air motor downtime caused by water and dirt
- Connections for two tools, max. air flow 185 CFM



Air Tool Lubricant

ProLube-ATL - P/N CS 7043-001 (gallon)

Air Tool Lubricant with Anti-Freeze

ProLube-ATL/AF - P/N CS 7049-001 (gallon)

Air Tool Line Conditioner/Cleaner

For use in underwater air tools – displaces moisture and inhibits rust and corrosion of air motors - P/N MS 9105 (quart)

Pneumatic and hydraulic: powerful percussion drilling for concrete and masonry

- SDS chuck
- Safety clutch protects against overloading and jamming
- Hammer drill holes in concrete, brick and masonry
- Rotary drilling mode for straight drilling of steel and wood
- Open center hydraulic standard, closed center optional

SDS Max – Modes of Operation

2" bit capacity for drilling concrete and masonry

Hammer with Rotation
Ideal for concrete drilling

Rotation Only
For drilling steel
and wood (not reversible)



Air Model 2 2417 0010
SDS Max



Hydraulic
Model
2 2418 0010
SDS Max

Second handle
position
SAE #8 port for
hydraulic hose
connection

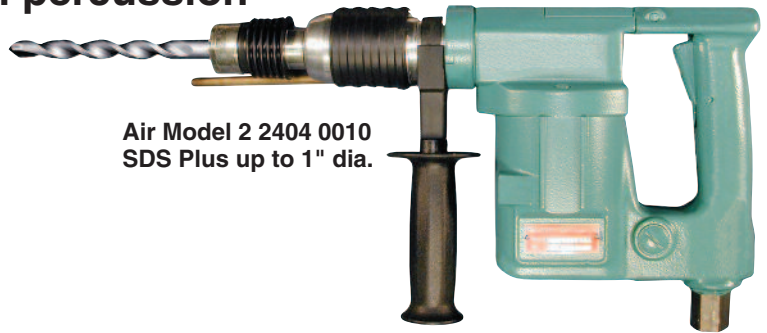
SDS Drill Bits



Small Masonry Bits
SDS Plus up to 1" dia.
Large Masonry Bits
SDS Max up to 2" dia.

Closed Center Flow Control Valve

Optional accessory – Part No. 38632

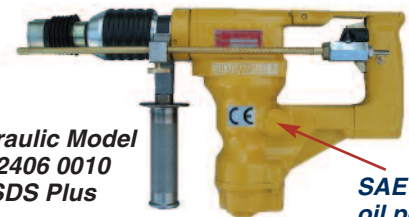


Air Model 2 2404 0010
SDS Plus up to 1" dia.

SDS Plus – Hammer and Drill

1" bit capacity for drilling concrete and masonry

*Drill concrete anchor holes, thru holes,
piping and mechanical openings for
construction and repair work. Switches to
rotary drilling mode for steel and wood.*



Hydraulic Model
2 2406 0010
SDS Plus

SAE #8
oil port

Hydraulic Pressure Reducing Valves

PRV Part No. 2 2406 9970 reduces output pressure of standard hydraulic power units from 2000 PSI (140 bar) to 1160 PSI (80 bar). Included with SDS Plus Hydraulic Hammer Drill 2 2406 0020 and SDS Max Hydraulic Hammer Drill 2 2418 0020.

Pressure Reducing Valve Part No. 2 2406 9900 reduces the output pressure of larger-output hydraulic units (i.e. backhoes, large earth tractors, excavators, service trucks, etc.) from max. 5075 PSI (350 bar) to 1160 PSI (80 bar) working pressure.



Pneumatic Hammer Drill Model No.	Blows/Minute (BPM)	Drill Speed (RPM)	Solid Bit Capacity (Concrete)	Core Bit Capacity (Concrete)	Twist Drill (Wood)	Motor Power (HP)	CFM @ 90 PSI	Tool System	Dimensions (inches)	Weight
2 1266 0010*	0-2000	0-950	1/2" dia.	1" dia.	3/8" dia.	0.75	21	1/2" Chuck	12 x 8 1/2 x 4	7
2 2404 0010	0-3000	0-625	1" dia.	3" dia.	3/4" dia.	0.7	21	SDS Plus	16 x 8 1/2 x 4	11
2 2404 0030*	0-3000	0-625	1" dia.	3" dia.	3/4" dia.	0.7	21	SDS Plus	16 x 8 1/2 x 4	11
2 2417 0010*	0-2500	0-250	2" dia.	6" dia.	1 1/4" dia.	1.6	53	SDS Max	19 1/2 x 9.8 x 4 1/2	26

* Underwater model – Optional underwater air tool line conditioner to displace moisture, Part No. MS 9105.

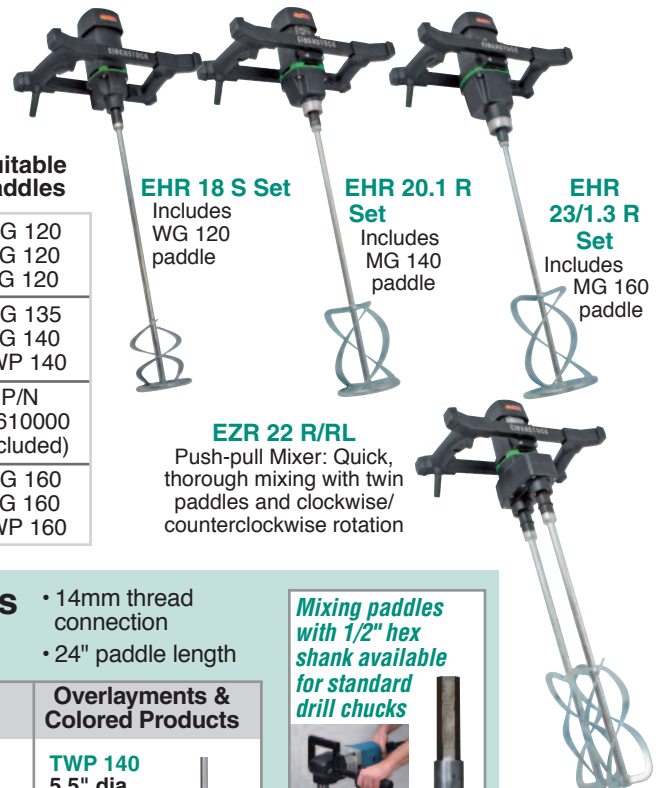
Hydraulic Hammer Drill Model No.	Blows/Minute (BPM)	Drill Speed (RPM)	Solid Bit Capacity (Concrete)	Core Bit Capacity (Concrete)	Twist Drill (Wood)	Power @ 1160 PSI	Flow Range @ 1160 PSI (GPM)	Tool System	Dimensions (inches)	Weight
2 2406 0010	0-3400	0-625	1" dia.	3" dia.	3/4" dia.	0.8 HP	5.8-13.2	SDS Plus	18 x 10 1/4 x 4	15
2 2406 0020	Same as above. Includes 2 2406 9970 Pressure Reducing Valve for 2000 PSI.									
2 2418 0010	0-2500	0-250	2" dia.	6" dia.	1 1/4" dia.	1.8 HP	2.6-13.2	SDS Max	19 1/2 x 11 1/8 x 7 1/2	37
2 2418 0020	Same as above. Includes 2 2406 9970 Pressure Reducing Valve for 2000 PSI.									

Hydraulic Hammer Drills operate at hydraulic pressures of 1160 PSI max. Pressure Reducing Valves are available to reduce pressure from 2000 PSI or 5000 PSI. See above. Available with optional closed center.

Professional, Heavy-duty, Hand-held Mixers for Fast, Efficient Mixing

From self-leveling compounds to prefab mortar, CS Unitec has a portable mixer to do the job quickly. Every CS Unitec mixer has been designed for high reliability, with the power to provide optimum blending of construction materials on the job site.

Model No.	Motor Power (Amps)	Load Speed (RPM)	Capacity	Max. Output	Weight (lbs.)	Suitable Paddles
EHR 18 S	9.5	0-450	2 bags/ 20 gal.	700 lbs./hr.	9	WG 120 MG 120 RG 120
EHR 20.1 R	10.5	250-580	3 bags/ 25 gal.	900 lbs./hr.	11.5	WG 135 MG 140 TWP 140
EZR 22 R/RL Twin Paddle	10.5	0-450	5 bags/ 25 gal.	1200 lbs./hr.	15	P/N 31610000 (included)
EHR 23/1.3R	14.5	100-275	5 bags/ 35 gal.	1800 lbs./hr.	15	WG 160 MG 160 TWP 160



Heavy-duty Galvanized Steel Mixing Paddles

Helical design mixes from the bottom up, eliminating air pockets

- 14mm thread connection
- 24" paddle length

Mixing paddles with 1/2" hex shank available for standard drill chucks

Low Viscosity	Medium Viscosity	High Viscosity	Fold & Stir	Overlays & Colored Products
RG 120 4.5" dia.	WG 120 4.5" dia. WG 135 5.4" dia. WG 160 6.25" dia.	MG 120 4.5" dia. MG 140 5.6" dia. MG 160 6.25" dia. MG 235 9.25" dia.	MH 240 9.625" x 6.25" Ideal for decorative concrete coatings	TWP 140 5.5" dia. TWP 160 6.375" dia.



Mixing Station for Medium- to High-viscosity Batches

Ideal for mixing medium- to high-viscosity materials, including filler and leveling compounds, tile cement, ready-mixed mortar, plaster, screed and more. Reliable, high-power motor mixes batches up to 24 gallons in heavy-duty bucket. Integrated safety switch disables motor if frame is lifted during mixing.

Automix 90

Capacity: 3 bags, 24 gal.
Output: up to 900 lbs./hour
Power: 14 Amp / 110 Volt AC
Free Speed: 115 RPM
Load Speed: 50 RPM
Weight: 77 lbs.
Stirring Rod: No. 31460000 (included)



Portable Mixing Stands - Save time by running mixers independently

Model 25GP-WD



Model RST 91



Model RST 10



Pneumatic-powered Mixers for Hazardous Environments

CS Unitec offers three air-powered models that are inherently safer for mixing paint, glue, epoxy, mortar, concrete, refractory cement and other materials in shipyards and the oil and gas industries. They can be used around water with no fear of shock or blown circuitry.
Contact us for details.



Portable Mixing Station



Mix, Transport and Pour Directly Onto the Floor!

The **PORTAMIX** HIPPO features:

- Easy operation – one person can mix, transport and pour 6 bags or 23 gallons
- Accurately place material directly onto the floor
- Produces excellent mix consistency
- Ideal for mixing and dispensing into 5 gallon containers
- Pre-tinted material is easily blended
- Dust extraction port for vacuum connection



PORTAMIX MEGA HIPPO® Models

PMH 80F-RL

Level Floors w/ Rimless Bucket and Removable Liner

PMH 80X-RL

Rough Terrain w/ Rimless Bucket and Removable Liner

Specifications

Power	15 AMP / 110 V*
2-Speeds	140 & 470 RPM
Bucket Capacity	23 Gallons
Weight	109 lbs.

* 220 Volt available

Control dust
with HEPA
vacuum system
CS 1445 H

Bowl Capacity:

6 x 50 lbs. mix + water (23 gal/350 lbs.)
5 x 22 kg mix + water (86 liters/160 kg)

Tilting Cradle:

Balanced for easy operation

Multiple Batch Mixing with Removable Liner

Mixing multiple batches is easier and faster with the new, removable liner and rimless bucket system.

- Mix consecutive batches without downtime
- Resilient, pliable liner is easily cleaned
- Alternating liners prevents cross contamination
- Extends life of bucket

After mixing the first batch, the liner can be removed and cleaned. To speed up production, a second liner can be used while the first liner is being cleaned. The use of a liner also helps to prevent cross contamination and minimizes wear to the HIPPO bucket, extending its life.

Two Models Available:



PORTAMIX PMH 80F-RL

With Rimless Bucket and Removable Liner

4 Casters for Level Floor Use

Allows accurate placement – pour and spread at the same time.



PORTAMIX PMH 80X-RL

With Rimless Bucket and Removable Liner

2 Tires for Rough Terrain Use

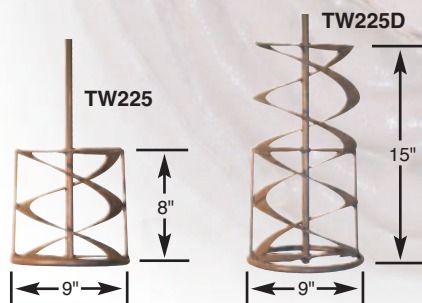
Increased height – pour directly into buckets or carts.

The HIPPO is also available with a Pneumatic-powered Mixing Motor

PMH 80F-AIR; PMH 80X-AIR:

2.2 HP, 90 PSI/67 CFM, 2 speeds (190/420 RPM)

The **PORTAMIX** MEGA HIPPO® is supplied with two mixing paddles:



TW225 – for half batches (2-3 bags); 9" diameter x 27" long; ideal for plasters, concrete, mortars, resins and tile adhesives. 8" long helix and side bars.

TW225D – for full batches (5-6 bags); 9" diameter x 27" long; ideal for self-leveling compounds, screeds, paints, plasters and epoxy. 15" long helix and side bars.

The 9" wide helix and side bars lift and shear the product quickly and efficiently to produce an excellent mix consistency and thorough mixing of colors and additives. The paddle's large 9" diameter provides increased peripheral speed which eliminates the need for high-RPM mixing and helps to prevent flash curing.

Concrete Saws

Pneumatic Concrete Saws – Hand-held and Walk-behind Cut concrete, asphalt, masonry and more

Hand-held Cut-off Saws, 14" and 18"

- Wet or dry cutting of concrete, reinforced concrete, asphalt, masonry, steel and more
- Cut up to 7" deep with no gas or engine fumes
- Low maintenance – no belts, pistons, fuel lines or carburetors
- Adjustable blade guard with built-in water connection
- In-line oiler for motor lubrication
- 1" arbor size for diamond blades
- 1/2" NPT air connection



Walk-behind Cut-off Saw – 20" Capacity

- Cut up to 7" deep with no gas or engine fumes
- Low maintenance – no belts, pistons, fuel lines or carburetors
- Designed for tough cutting jobs, including joint sawing, floor sawing, trenching, road repair and plant maintenance
- 9.5 HP pneumatic motor with gearbox drive



Model No.	Power	RPM (No Load)	Max. Depth of Cut	Max. Blade Capacity	CFM @ 100 PSI	Drive	Weight (lbs.)
Hand-held Cut-Off Saw							
CSH 100	5 HP	5250	4"	14	90	Direct	22
CSH 125	9.5 HP	3200	5"	14	92	Gearbox	26
CSH 150	9.5 HP	3200	7"	18	92	Gearbox	28
Walk-behind Cut-Off Saw							
CSR 150	9.5 HP	2900	7"	20	92	Gearbox	107

*Premium Diamond Blades
Wet/Dry, for Cured Concrete*

Part No.	Description
734 906	12" x .125 x 1"
734 908	14" x .125 x 1"
734 916	16" x .125 x 1"
734 909	18" x .125 x 1"
734 910	20" x .125 x 1"
RES.403	14" x .125 x 1" (rescue)



Wet/Dry 7" Electric Circular Saw

- Wet and dry cutting of stone and masonry materials, including granite, marble, terrazzo and concrete
- Adjustable cutting depth up to 2-1/3" for precise cuts
- Ideal for landscapers, renovators and stone shops
- Vacuum connection for use with CS Unitec's dust extraction vacuum systems

Model EDS 181

Power	20 AMP / 110 V
Blade Diameter	7"
Max. Depth of Cut	2 1/3"
Load Speed	4,300 RPM
No-load Speed	7,500 RPM
Weight	17 lbs.
Blade	P/N 37443000

Wall Slotter

- Cut channels in concrete and masonry, adjustable sizes
- Cut two parallel grooves up to 1 13/16" wide x 1 3/4" deep
- Operates with two parallel blades and spacers
- Works 5/8" from the edge or corner



Model EMF 150

Power	20 AMP / 110 V
Blade Diameter	6"
Load Speed	4,300 RPM
No-load Speed	7,500 RPM
Arbor Size	7/8"
Max. Slot Width	1 13/16" (46mm)
Max. Cutting Depth	1 3/4" (45mm)
Weight	12.8 lbs.
Blade, Standard, 6"	P/N 37440
Blade, Premium, 6"	P/N 37441

Concrete Saws

Diamond Concrete Chain Saws, Pneumatic and Hydraulic

Air Powered



- Specifically designed for the demanding requirements of professional sawing and drilling contractors
- Deep plunge cuts – up to 20" deep
- Square corners up to 19" with no overcuts
- Cut mechanical openings and irregular shapes



Air

Model No.	Power (HP)	No Load Speed (RPM)	Max. Depth of Cut	Motor Specifications	Weight w/ Bar and Chain	No Load Torque (in.-lbs.)	Noise Level at 3 ft.
Pneumatic Concrete Chain Saw							
CS 536163-1	6.5	5700	10"	124 CFM @ 90 PSI (6 bar)	32	104	88 dB
CS 536163-2	6.5	5700	15"	124 CFM @ 90 PSI (6 bar)	33	104	88 dB
CS 536163-3	6.5	5700	20"	124 CFM @ 90 PSI (6 bar)	34	104	88 dB
Hydraulic Concrete Chain Saw							
CS 566110-1	11	5700	10"	8 GPM @ 2500 PSI (172 bar)	28	95	88 dB
CS 566110-2	11	5700	15"	8 GPM @ 2500 PSI (172 bar)	29	95	88 dB
CS 566110-3	11	5700	20"	8 GPM @ 2500 PSI (172 bar)	30	95	88 dB

AirFORCE F4™
Diamond Chains
 Optimized for air and hydraulic chainsawing -
 cut concrete with steel reinforcement

AirFORCE Premium Chains
 10" – Part No. CC 01-2540
 15" – Part No. CC 01-3810
 20" – Part No. CC 05-5080

Guide Bars with Internal Water Feed

10" Guide Bar, for 25 segment Diamond Chain - P/N GB 01-2540
 15" Guide Bar, for 29 segment Diamond Chain - P/N GB 03-3810
 20" Guide Bar, for 34 segment Diamond Chain - P/N GB 05-5080

PowerGrit Diamond Air Saw for Ductile Iron



The PowerGrit system allows the user to perform the entire cut from one position – a feature especially helpful in reducing the amount of excavation required in underground cuts.

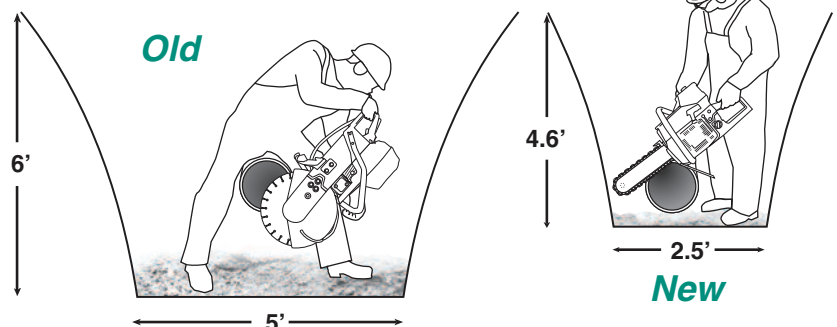
Model No.	Power (HP)	No Load Speed (RPM)	Max. Depth of Cut	CFM @ 90 PSI	Weight w/ Bar and Chain	No Load Torque (in.-lbs.)	Noise Level at 3 ft.
CS 536163-PG2*	6.5	5700	15"	124 CFM	32 lbs.	104	88 dB
CS 536163-PG3**	6.5	5700	20"	124 CFM	33 lbs.	104	88 dB

* For 15" PowerGrit Saw and Pipe Clamp – order no. CS 536163-PG2C

** For 20" PowerGrit Saw and Pipe Clamp – order no. CS 536163-PG3C

PowerGrit Chains and Clamp

15" PowerGrit Chain	P/N PG 52-3810
20" PowerGrit Chain	P/N PG 53-5080
PowerGrit Pipe Clamp (12" cap.; includes mounting axle)	P/N PG 56-9960



Diamond Saw

5" Diamond Saw for hard tile and natural stone materials

Model EDS 125
for wet/dry cutting



- Wet and dry cutting of tile, natural stone and stoneware
- Stepless mitre adjustments up to 45° – no tools required
- Roller guide smoothly guides saw and protects surface
- Adjustable cutting depth up to 1³/₈"
- Integrated water supply with flow regulator easily adjusts water volume for dust-free working while wet cutting
- Vacuum connection for use with CS Unitec's dust extraction vacuum systems



Integrated water supply with flow regulator



Dust collection port for use with dust extraction systems



Optional cutting table –
ETT 700 and ETT 1200 (see below)



Stepless mitre adjustments
up to 45° – without tools



5" Diamond
Blade included
(P/N 3744B)
for wet/dry cutting

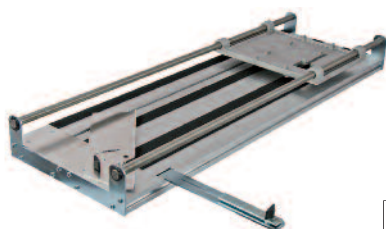
Model EDS 125

Power	11.4 AMP / 110 V
Blade Diameter	5"
Max. Depth of Cut	1 ³ / ₈ "
No-load Speed	12,500 RPM
Arbor Size	7/8"
Weight	6.4 lbs.

Optional blades:

P/N 3744C, 5" Diamond blade for 1/4" milling, wet/dry
P/N 3744A, 4-1/2" Diamond blade for cutting curves, wet/dry

Cutting Tables for use with the EDS 125



Quickly attach EDS 125
to the table without tools

- Rust-proof, lightweight and easily transportable to the job site
- Precise cutting of tiles up to 3/4" thick with EDS 125 saw
- Adjustable angle stop for miter cuts up to 45°



Model:	ETT 700	ETT 1200
Max. Cutting Length	28"	47"
Weight	32 lbs.	39.7 lbs.



Easily transportable



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View product demonstrations
at www.csunitec.com.

ALL SPECIFICATIONS ARE SUBJECT TO CHANGE

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