

HARDWARE

Miscellaneous nuts, bolts, screws, washers and fasteners are available. All nuts and bolts 3/8" diameter and larger are manufactured to grade 5 specifications. Finish, unless otherwise noted, is yellow zinc dichromate. Sold individually. Custom sizes are available upon request.



Finished Hex Nuts

Nuts feature yellow zinc dichromate plating. Sizes 3/8" and larger manufactured to grade 5 specifications. Sold individually. Other sizes available upon request.



FINISHED HEX NUTS		
THREAD SIZE	PART #	WRENCH SIZE
#10-32	H-0058	3/8"
#12-24	V-0726	7/16"
1/4"-20	V-0009	7/16"
3/8"-16	V-0007-5	9/16"
1/2"-13	V-0010-5	3/4"
5/8"-11	V-0011-5	15/16"

HEAVY HEX NUTS		
THREAD SIZE	PART #	WRENCH SIZE
3/8"-16	H-0127	11/16"
1/2"-13	H-0313	7/8"
5/8"-11	H-0116	1-1/16"

HARDWARE

Hex Head Cap Screws

These cap screws are available for a variety of fastening applications. All cap screws 3/8" diameter and larger are manufactured to grade 5 specifications. Cap screws are plated in yellow zinc dichromate. Additional sizes available upon request. Sold individually.



HEX HEAD CAP SCREW CHART				
LENGTH	1/4"-20	3/8"-16	1/2"-13	5/8"-11
1/2"	V-0051	N/A	N/A	N/A
3/4"	H-0137	V-0034-5	H-0219-5	H-0236-5
1"	H-0138	V-0281-5	V-0944-5	H-0121-5
1-1/4"	H-0139	V-0455-5	H-0104-5	H-0107-5
1-1/2"	H-0140	H-0199-5	H-0108-5	H-0237-5
1-3/4"	H-0141	H-0200-5	H-0354-5	H-0238-5
2"	H-0142	H-0201-5	H-0221-5	H-0122-5
2-1/4"	H-0143	H-0202-5	H-0129-5	H-0239-5
2-1/2"	H-0144	H-0005-5	H-0222-5	H-0240-5
2-3/4"	H-0145	H-0203-5	H-0133-5	H-0241-5
3"	H-0146	H-0112-5	H-0132-5	H-0030-5
3-1/4"	H-0147	H-0204-5	H-0110-5	H-0120-5
3-1/2"	H-0148	H-0113-5	H-0223-5	H-0079-5
4"	H-0150	H-0206-5	H-0131-5	H-0242-5
4-1/2"	H-0152	H-0208-5	H-0226-5	H-0244-5

Phillips Head Machine Screws

Phillips head machine screws are available for a variety of fastening applications. Screws are plated in yellow zinc dichromate. Additional sizes are available upon request. Sold individually.



PHILLIPS HEAD MACHINE SCREW CHART				
LENGTH	#8-32	#10-24	#10-32	#12-24
1/4"	H-0355	H-0361	H-0367	V-0714
3/8"	H-0356	H-0362	H-0368	V-1130
1/2"	V-0712	H-0363	V-0715	V-0713
5/8"	H-0358	H-0364	H-0369	H-0373
3/4"	H-0359	H-0365	H-0370	V-0753
1"	H-0360	H-0366	H-0371	H-0396

HARDWARE

USS Flat Washers

Available in a variety of bolt sizes for many installation applications. Plated in yellow zinc dichromate. Additional sizes available upon request. Sold individually.



USS FLAT WASHERS	
BOLT DIAMETER	PART #
#12	H-0337
1/4"	V-0978
2/8"	V-0030
1/2"	V-0031
5/8"	V-0264

Lock Washers

Split and external tooth lock washers are available for a variety of fastening applications. Lock washers are plated in yellow zinc dichromate. Additional sizes available upon request. Sold individually.



SPLIT LOCK WASHER EXTERNAL TOOTH LOCK WASHER

LOCK WASHERS		
BOLT DIAMETER	SPLIT LOCK WASHER	EXTERNAL TOOTH LOCK WASHER
#10	N/A	H-0339
#12	N/A	H-0075
1/4"	V-0022	H-0060
3/8"	V-0283	H-0006
1/2"	H-0123	G-0046
5/8"	H-0134	H-0045

HARDWARE

3/8" Hex Head Lag Screws

These 3/8" diameter lag screws are available for a variety of fastening applications. Plated in zinc dichromate. Additional sizes available upon request. Sold individually.



3/8" DIA. LAG SCREWS	
LENGTH	PART #
1"	H-0378
1-1/4"	H-0379
1-1/2"	H-0380
1-3/4"	H-0381
2"	H-0312
2-1/2"	H-0382
3"	H-0383

Anchor Studs

These anchor studs are available for a variety of anchoring applications. Studs are cut to length from grade B7 threaded rod and are plated in yellow zinc dichromate. Custom sizes available upon request.



ANCHOR STUDS	
SIZE	PART #
3/8"-16 X 2"	H-0315
3/8"-16 X 3"	V-0912
1/2"-13 X 2-1/4"	H-0316
1/2"-13 X 3"	H-0102-3"
1/2"-13 X 4"	H-0102-4"
5/8"-11 X 4"	H-0036-4"
CUSTOM	CALL

Hilti© Drop-In Anchors

These Hilti© brand drop in anchors are available for a variety of anchoring applications on concrete surfaces.



Additional sizes available upon request. Sold individually.

HILTI© DROP-IN ANCHORS		
SIZE	HILTI© PART NUMBER	CCR PART NUMBER
3/8"	HDI 3/8	V-0919
1/2"	HDI 1/2	H-0118
5/8"	HDI 5/8	H-0310

Hilti© HSL-B Heavy Duty Concrete Anchors

These Hilti© brand HSL-B torque-indicating, heavy duty concrete anchors are available for equipment rack and cabinet installations. Torque indicating cap head of anchor snaps off when proper installation torque has been



applied. Approved for seismic use. Install per Hilti© instructions. Sold individually.

HILTI© HSL-B ANCHORS		
HILTI© SIZE	DRILL SIZE	CCR PART NUMBER
HSL-B M12/6	18MM	V-0838
HSL-B M12/25	18MM	H-0119
HSL-B M12/50	18MM	H-0300

Threaded Rod

Threaded rod is available for a variety of installation applications. Material is grade B7 threaded rod and is plated in yellow zinc dichromate. Custom sizes available upon request.

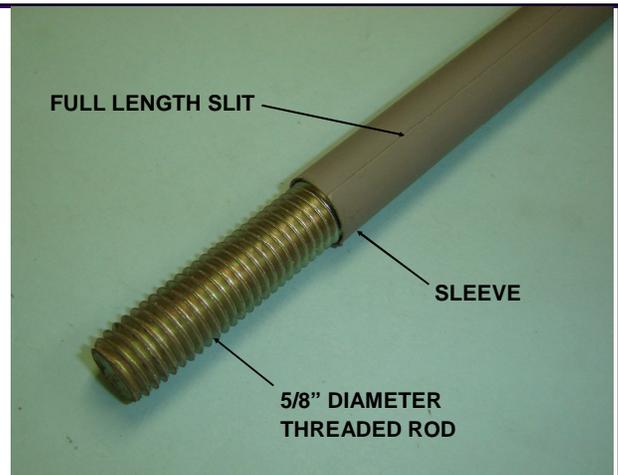


THREADED ROD			
LENGTH	3/8"-16	1/2"-13	5/8"-11
1'	H-0103-1	H-0102-1	H-0036-1
1'-6"	H-0103-1.5	H-0102-1.5	H-0036-1.5
2'	H-0103-2	H-0102-2	H-0036-2
2'-6"	H-0103-2.5	H-0102-2.5	H-0036-2.5
3'	H-0103-3	H-0102-3	H-0036-3
3'-6"	H-0103-3.5	H-0102-3.5	H-0036-3.5
4'	H-0103-4	H-0102-4	H-0036-4
4'-6"	H-0103-4.5	H-0102-4.5	H-0036-4.5
5'	H-0103-5	H-0102-5	H-0036-5
5'-6"	H-0103-5.5	H-0102-5.5	H-0036-5.5
6'	H-0103-6	H-0102-6	H-0036-6
6'-6"	H-0103-6.5	H-0102-6.5	H-0036-6.6
7'	H-0103-7	H-0102-7	H-0036-7
10'	H-0103-10	H-0102-10	H-0036-10
12'	H-0103-12	H-0102-12	H-0036-12

HARDWARE

Threaded Rod Sleeve

Threaded rod protective sleeves is made of thin wall PVC. It is used to cover sharp edges on the threaded rod, thus protecting against damage to cable or personal injury. Slit in side of sleeve allows for application on threaded rod that is already installed. Available in 72" lengths to fit 5/8" diameter threaded rod. Finish is telco gray.

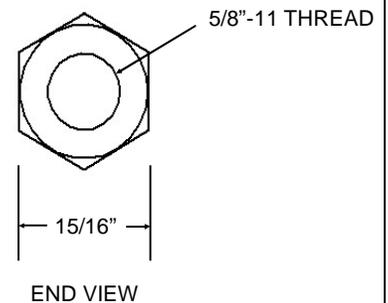
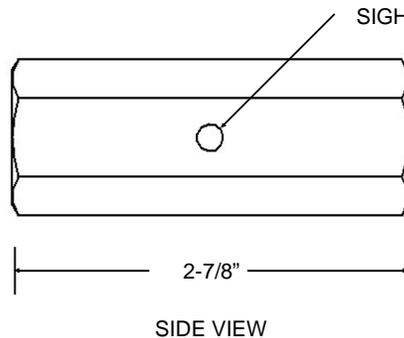


THREADED ROD SLEEVE - PVC	
72" SLEEVE FOR 5/8" THREADED ROD	CC103051

Threaded Rod Coupler Nuts

Threaded coupler nuts are used to connect threaded rods end to end. Threaded rod coupler nuts have a sight hole to verify proper thread engagement. Use 5/8" hex nuts as "jam" nuts to make a secure connection. Nuts are plated with yellow zinc dichromate. Sold individually.

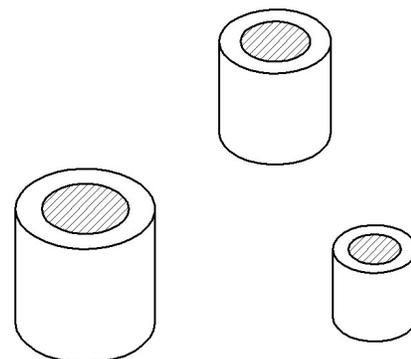
5/8"-11 COUPLER NUTS	
COUPLER NUT	CC103065



Threaded Rod End Caps

Rubber end caps for threaded rod prevent damage and injury. Manufactured from black rubber, sizes are available for 3/8", 1/2" and 5/8" threaded rod. Sold individually.

THREADED ROD END CAPS	
DESCRIPTION	PART NUMBER
CAP FOR 3/8" ROD	H-0322
CAP FOR 1/2" ROD	H-0385
CAP FOR 5/8" ROD	H-0306



HARDWARE

Support Pipe

Support pipe is used to align equipment rack lineups via an angle on the racks and a series of V-bolts. Available in 10' or 20' lengths, this 1" diameter, schedule 40 steel pipe has a galvanized finish to resist corrosion. Sold individually.



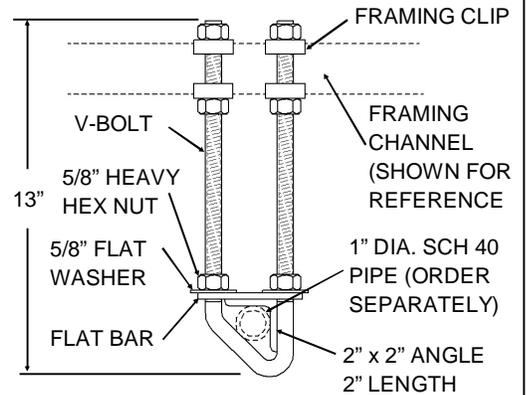
1" DIAMETER SCH. 40 PIPE	
10' LENGTH	56500009-10
20' LENGTH	56500009-20
RUBBER END CAP FOR 1" PIPE	H-0073

V-Bolt Support Kit

V-bolts secure various structures to auxiliary framing via a support pipe and framing angle/ V-bolts are formed from 5/8" diameter steel bar and feature rolled threads for strength and proper thread engagement. Kits include framing clips, cross bar, 2" x 2" x 2" filler angle flat washers and heavy hex nuts. Finished in yellow zinc dichromate.

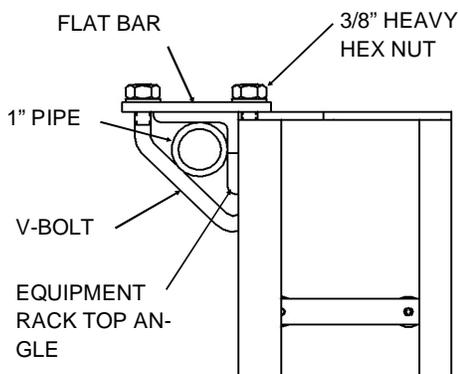
V-BOLT SUPPORT KIT	
13" V-BOLT KIT	H-0384

13" V-BOLT COMPONENTS	
FRAMING CLIP	CC103002-6
HEAVY HEX NUT	H-0117
V-BOLT	H-0384-1
FILLER ANGLE	H-0384-A
FLAT BAR	V-0100
FLAT WASHER	V-0264

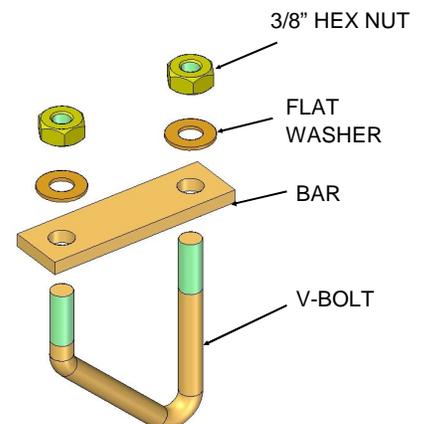


V-Bolt Rack Support Kit

These V-bolts secure the top angle of an equipment rack to a piece of 1" diameter schedule 40 pipe. Kit consists of a 3/8"-16 threaded V-bolt, flat bar, 3/8" flat washers and 3/8" heavy hex nuts. All parts are plated in yellow zinc dichromate. V-bolt kits are sold individually.



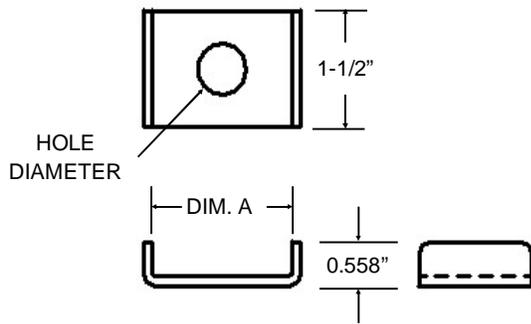
V-BOLT RACK SUPPORT KIT	
V-BOLT KIT	V-0719



HARDWARE

Auxiliary Framing Clips

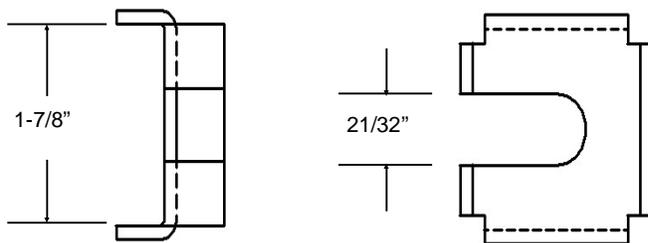
Auxiliary framing clips secure parallel auxiliary framing bar or channel in various installations. Manufactured from heavy 11 gage steel, these clips are plated in yellow zinc dichromate. Sold individually.



AUXILIARY FRAMING CLIPS		
DIM. A	HOLE DIAMETER	PART #
1-1/2"	0.406"	CC103002-1
1-1/2"	0.531"	CC103002-2
1-1/2"	0.656"	CC103002-3
1-7/8"	0.406"	CC103002-4
1-7/8"	0.531"	CC103002-5
1-7/8"	0.656"	CC103002-6

Slotted Crossover Framing Clip

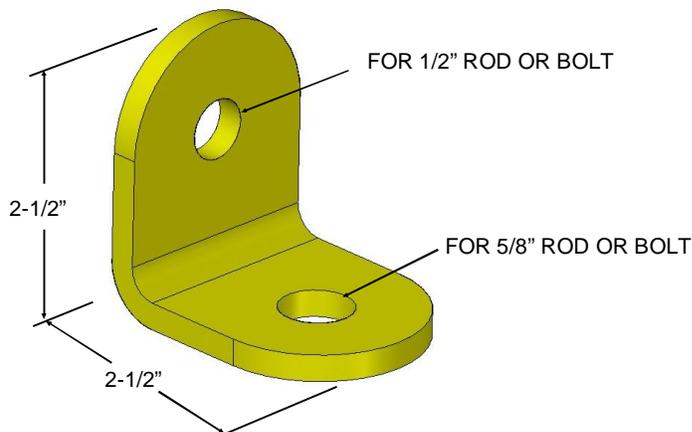
This slotted crossover framing clip secures auxiliary framing channel at 90° in different planes. Slotted design allows for installation without disturbing threaded rod. Manufactured from 11 gage Steel and plated in yellow zinc dichromate. Sold individually.



SLOTTED AUXILIARY CROSSOVER FRAMING CLIP	
CROSSOVER CLIP	CC103053

Threaded Rod Bracket

Threaded rod brackets are used in conjunction with threaded rod to brace a variety of installations. Manufactured from 3/16" steel and plated in yellow zinc dichromate. Sold individually.

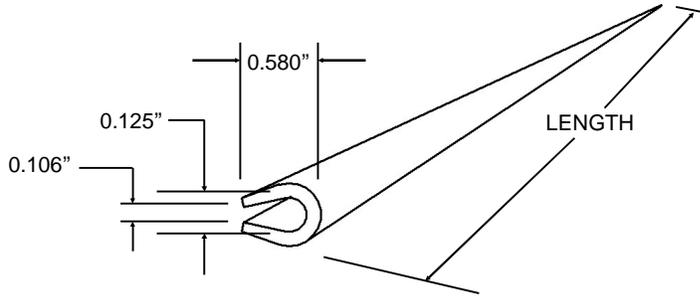


THREADED ROD BRACKET	
ROD BRACKET	CC100008

HARDWARE

Bay Edge Protector

Self-adhesive clear edge protector is available . Cut to length and press on to edge for protection from sharp edges. Available in 50' or 150' rolls.



BAY EDGE PROTECTOR	
CLEAR 50' ROLL	H-0010
CLEAR 150' ROLL	H-0009