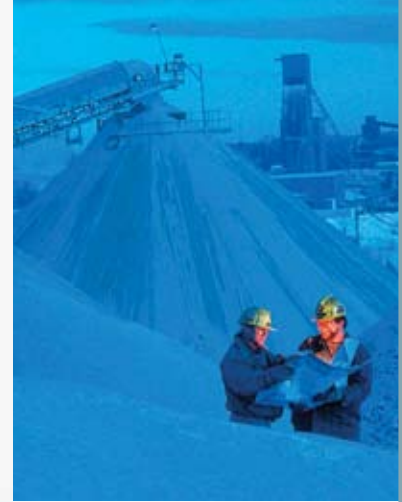


PLATEGRIP™



For use with high-tensile and PVC belting. Designed with broader, heavier teeth for a stronger joint and reduced strain behind the splice.

The teeth overlap the edges of the plates and provide extra holding power on thin belts. Passing smoothly over conveyor pulleys, Plategrip™ fasteners allow natural troughing of belts and smooth operation on both sides, through trippers and scrapers, as well as over crowned or takeup pulleys.

All buckets of solid plate fasteners have pre-assembled bolts and bottom plates that utilize our patented system, which includes the use of a special thin metal washer to clinch the bolt to the bottom plate during installation of the belt fasteners. This has proven to be superior to the use of plastic or nylon washers, which can slide along the bolt threads.



PLATEGRIP



Plategrip Fasteners can be used on belts of any width and of varying thicknesses. They are available in a broad variety of standard and special metals to assure long life, resistance to corrosion, and exceptional tolerance to abrasive materials.

25 STEEL SETS

NUMBER	PRICE
1E	\$ 31.04
140E	37.20
190E	42.56
1¼E	41.26
1½E	38.76
2E	49.22
2½*	61.54
3*	64.68

*10 Sets/Box

100 STEEL SETS*

NUMBER	PRICE
1C	\$ 127.92
140C	152.80
190C	175.34
1¼C	173.18
1½C	159.64
2C	202.70
2½C	633.80
3C	665.96

*Bottom plate pre-assembled

25 SETS STAINLESS TOP PLATES BALANCE STEEL

NUMBER	PRICE
1EST	\$ 55.28
140EST	99.90
190EST	123.20
1½EST	98.88
2EST	137.78

25 SETS STAINLESS TOP AND BOTTOM PLATES

NUMBER	PRICE
1ES	\$ 164.56
140ES	237.74
190ES	276.74
1½ES	237.06
2ES	296.04

100 STAINLESS SETS* TOP AND BOTTOM PLATES

NUMBER	PRICE
1CS	\$ 691.04
140CS	987.30
190CS	1,149.42
1½CS	984.72
2CS	1,229.40

*Bottom plate pre-assembled



PACKAGING & INSTALLATION

Es are shipped in easy-to-handle boxes of 25 sets of plates with sufficient clips, nuts, bolts, template nails, and instruction sheets. Multiple boxes are shipped in over-cartons containing four or eight boxes.

Cs are shipped in watertight buckets of 100 assembled bottom plates with sufficient top plates, nuts, template nails, and instructions. Bucket Opener pricing can be found on page 43.

Installation tools are shown on pages 8 to 11. Get installation instructions for these and other Conveyor Accessories products online at:

www.conveyoraccessories.com/instructions

25 SETS DURGARD TOP PLATES BALANCE STEEL

NUMBER	PRICE
1EDT	\$ 59.60
140EDT	56.52
190EDT	62.94
1½EDT	62.36
1½EDT	58.46
2EDT	74.16
2½DT*	79.76
3DT*	97.20

*10 Sets/Box

100 SETS DURGARD TOP PLATES BALANCE STEEL*

NUMBER	PRICE
1CDT	\$ 250.22
140CDT	232.96
190CDT	259.28
1½CDT	262.32
1½CDT	240.88
2CDT	305.50
2½CDT	993.14
3CDT	1,043.50

*Bottom plate pre-assembled

25 SETS DURGARD TOP AND BOTTOM PLATES

NUMBER	PRICE
1ED	\$ 64.52
140ED	72.14
190ED	78.92
1½ED	80.16
1½ED	74.16
2ED	94.00
2½D*	118.10
3D*	124.06

*10 Sets/Box

100 SETS DURGARD TOP AND BOTTOM PLATES*

NUMBER	PRICE
1CD	\$ 270.88
140CD	297.34
190CD	325.12
1½CD	335.98
1½CD	305.60
2CD	387.32
2½CD	1,239.20
3CD	1,302.18

*Bottom plate pre-assembled

SELECTING SIZE, QUANTITY & METAL

The two keys to selecting proper size are belt thickness and pulley diameter. This chart indicates the Plategrip belt fastener size number for various combinations of belt thickness and pulley diameter.

MIN. PULLEY DIAMETER	BELT THICKNESS	PLATEGRIP SIZE
12"	3/16" - 7/16"	1
14"	3/16" - 7/16"	140
18"	5/16" - 9/16"	190
14"	3/8" - 1/2"	1¼
18"	7/16" - 11/16"	1½
30"	9/16" - 13/16"	2
42"	3/4" - 1"	2½
48"	15/16" and >	3

A 90° splice is generally used where pulley diameter and belt thickness correspond to recommendations in the chart above.

The 45° splice should be used where pulley diameters are smaller than the recommended minimum diameter. The 45° splice will reduce flexing of belts behind the fastener and has the same strength as the corresponding 90° splice.

NUMBER OF SETS OF FASTENERS REQUIRED FOR VARIOUS BELT WIDTHS

SIZE NO.	1, 140, 190		1¼, 1½, 2		2½, 3	
	90°	45°	90°	45°	90°	45°
12"	10	12	8	10	6	7
16"	13	17	10	14	8	10
18"	15	19	12	16	9	12
20"	16	22	13	18	10	13
24"	20	26	16	21	13	17
26"	22	29	17	23	14	18
28"	23	31	18	25	15	20
30"	25	33	20	27	16	21
36"	30	41	24	33	19	26
42"	35	48	28	39	22	31
48"	40	55	32	44	26	35
60"	50	69	40	55	32	44
72"	60	83	48	68	39	53

BELT WIDTH

STEEL is the most common and economical belt fastener material and is the standard for most applications. Steel fasteners are manufactured in a broad variety of sizes and shapes, and are suitable for use in new equipment or as replacement fasteners.

DURGARD is a special heat-treated steel with abrasion-resistant characteristics that provide several times the life of standard steel. Durgard Plategrip fasteners are not recommended for use in highly corrosive environments, but are instead specially formulated for abrasive situations.

STAINLESS STEEL fasteners are best for applications where erosion is a major problem. Stainless steel is more resistant to abrasions, acids, chemicals, and magnetic attraction than standard steel. Plategrip fasteners are available in complete stainless sets, or with the top plate made of stainless steel and the balance standard steel.



Hinged Plategrip™ Fasteners are ideally suited for applications where the loading and delivery points frequently change, such as mine, pit, quarry, and construction sites.

A compression-type fastener, secured by bolts, the Hinged Plategrip provides tremendous holding power with good troughing action, while being readily separable after easy installation.

Note: Each matched set contains one complete joint with hinge pin, nuts and bolts, and filler tubing included.

STEEL MATCHED SETS

NUMBER	PRICE
X550-16	\$ 33.48
X550-18	35.50
X550-20	41.58
X550-24	45.52
X550-26	51.60
X550-30	58.26
X550-36	71.02
X550-42	83.72
X550-48	96.46
X550-54	109.22
X550-60	121.94

STEEL MATCHED SETS

NUMBER	PRICE
X375-12	\$ 30.42
X375-14	35.92
X375-16	41.36
X375-18	46.84
X375-20	52.32
X375-24	58.40
X375-26	63.86
X375-30	74.82
X375-36	91.22
X375-42	107.66
X375-48	124.08
X375-60	172.64

STEEL BULK PACKS (INCLUDES NUTS & BOLTS)

NUMBER	DESCRIPTION	PRICE
X375-2	25 SETS	\$ 110.46
X375-3	18 SETS	119.30
X550-1	50 SETS	123.88
X550-3	18 SETS	133.78

STAINLESS MATCHED SETS

NUMBER	PRICE
X550-16S	\$ 122.48
X550-18S	134.26
X550-20S	153.06
X550-24S	171.46
X550-26S	198.98
X550-30S	219.98
X550-36S	268.44
X550-42S	316.98
X550-48S	365.52
X550-54S	413.18
X550-60S	485.58

STAINLESS MATCHED SETS

NUMBER	PRICE
X375-18S	\$ 166.26
X375-24S	212.30
X375-30S	272.42
X375-36S	332.52
X375-42S	392.62
X375-48S	452.76
X375-60S	601.36



INSTALLATION TOOLS ARE SHOWN ON PAGES 8 TO 11.

**STAINLESS STEEL BULK PACKS
(INCLUDES NUTS & BOLTS)**

NUMBER	DESCRIPTION	PRICE
X375-2S	25 SETS	\$ 456.58
X375-3S	18 SETS	493.10
X550-1S	50 SETS	547.60

**DURGARD BULK PACKS
(INCLUDES NUTS & BOLTS)**

NUMBER	DESCRIPTION	PRICE
X550-1D	50 SETS	\$ 349.96

DURGARD

NUMBER	PRICE
X550-18D	\$ 86.22
X550-24D	110.38
X550-30D	141.40
X550-36D	172.38
X550-42D	203.40
X550-48D	234.40
X550-60D	295.46

Hinge Pins are made of steel cable covered in nylon, the standard for long wear. Alternatives include bare steel or stainless steel.

NUMBER	STYLE
NC	NYLON-COVERED STEEL CABLE
NCS	NYLON-COVERED STAINLESS CABLE
SC	BARE STEEL CABLE
SSC	BARE STAINLESS STEEL CABLE

Order by specifying type of pin and width of belt.
Example: NC-36

STEEL CABLE

SIZE	NC	SC
12"	\$ 5.04	\$ 3.90
14"	5.20	4.12
16"	5.24	4.34
18"	5.28	5.20
20"	6.14	5.78
24"	7.06	7.24
26"	7.64	7.50
30"	8.82	9.04
36"	10.58	10.32
42"	12.30	12.60
48"	14.06	14.46
54"	15.80	15.50
60"	17.60	17.22

**SELECTING
SIZE AND METAL**

**HINGED PLATEGRIP
SPECIFICATIONS**

MIN PULLEY DIAMETER	BELT THICKNESS	PIW	SIZE
6"	1/4"–13/32"	200	X375
9"	1/4"–5/8"	300	X550

STEEL is the most common and economical belt fastener material. It is the standard for most applications. Steel fasteners are plated to resist moisture and are available in matched sets ordered by width of belt or as X550-1, X550-3, X375-2, or X375-3, in bulk packs.

DURGARD is a special heat-treated steel with abrasion-resistant characteristics that provide several times the life of standard steel. Hinged Durgard fasteners are not recommended for use in corrosive environments, but are instead specially formulated for abrasive situations.

STAINLESS STEEL fasteners — nickel and chrome alloy — are best for applications where erosion is a major problem. Stainless steel is more resistant to abrasions, acids, chemicals, and magnetic attraction than standard steel. Plategrip fasteners are available in complete stainless sets.

Get installation instructions for these and other Conveyor Accessories products online at:

www.conveyoraccessories.com/instructions

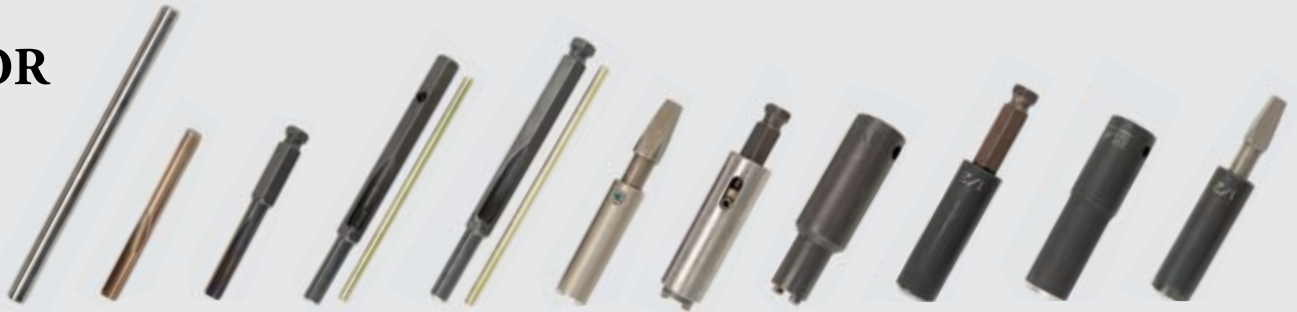
STAINLESS STEEL CABLE

SIZE	NCS	SSC
16"	\$ 9.92	\$ 10.46
18"	10.72	12.58
20"	11.46	14.96
24"	13.30	17.34
26"	14.94	18.08
30"	18.56	18.84
36"	22.30	22.62
42"	26.04	30.28
48"	29.72	34.60
54"	33.44	37.54
60"	37.18	41.70

Custom Installation Tools

All tools are engineered for ease of use for installation by means of either hand tools or power-assisted tools. Proper installation will yield the best life from your belt splice.

TOOL SELECTOR



FASTENER SIZE	BOLT BREAKER	BORING BIT	POWER BORING BIT	HAND PUNCH	POWER PUNCH	SPANNER WRENCH	POWER HEX SPANNER	POWER SOCKET SPANNER	POWER HEX WRENCH	POWER SOCKET WRENCH	HAND HEX WRENCH
1, 140, 190, X550, X375, RP1	1	1B	1PB	10	11	S1S	PS1	P612	PH160	SP160S	S100
1¼, 1½, 2, RP2	2	2B	2PB	20	22	S2S	PS2	P614	PH180	SP180S	—
2½, 3	3	3B	3PB	30	33	S3S	PS3	P616	—	—	—

Bolt Breaker

Used to break off excess bolt above fastener after assembly. Sold in packs of two.

NUMBER	PRICE
#1	\$ 29.98
#2	29.98
#3	33.80

Power Boring Bit

Bores bolt holes in belting. Belt slugs eject through open slot.

NUMBER	PRICE
#1PB	\$ 31.68
#2PB	31.68
#3PB	32.26

Boring Bit

Bores holes in all materials. Slot eases removal of scrap.

NUMBER	PRICE
#1B	\$ 31.68
#2B	31.68
#3B	32.26

Hand Punch

Punches bolt holes in belting material. Wear eye protection when striking punch.

NUMBER	PRICE
#10	\$ 20.60
#20	20.60
#30	24.96



INSTALLATION TOOLS ARE SHOWN ON PAGES 8 TO 11.

Power Punch

Bores bolt holes in toughest material. Tapered hole ejects belt slugs.

NUMBER	PRICE
#11	\$ 19.38
#22	19.38
#33	27.84

Spanner Wrench

For use with carpenter's brace to tighten nuts.

NUMBER	PRICE
S1S	\$ 21.86
S2S	21.86
S3S	28.94

Power Hex Spanner

Special heat-treated steel assures long life. Hex drive designed for use with 5552 Chuck. Includes steel nut sleeve.

NUMBER	PRICE
PS1	\$ 29.86
PS2	29.86
PS3	35.92

Power Socket Spanner

Used with hand ratchet SKCU-RAT or power drive tool, these sockets are used where spanner is preferred to hexagonal drive.

NUMBER	PRICE
P612	\$ 41.38
P614	41.38
P616	41.38

Power Hex Wrench

Has hex opening instead of spanner. Made with $\frac{7}{16}$ " hex male top.

NUMBER	PRICE
PH160	\$ 30.54
PH180	30.54

Power Socket Wrench

Long-life socket wrenches are made of alloy steel and are heat-treated.

NUMBER	PRICE
SP160S	\$ 33.96
SP180S	33.96

Hand Hex Wrench

For use with carpenter's brace to tighten nuts.

NUMBER	PRICE
S100	\$ 30.56

TOOL KITS

These special tools are offered in convenient money saving kits for both Plategrip and Hinged Plategrip. Each kit includes two Bolt Breakers, one Power Punch, and one Power Wrench.

All tool kits include a Power Hex Spanner except the TK-550 which requires a Power Hex Wrench PH160.

NUMBER	USE WITH	PRICE
TK1	1, 140, 190 & RP1	\$ 72.08
TK2	1¼, 1½, 2 & RP2	72.08
TK3	2½, 3	88.86
TK550S	HINGED PLATEGRIP X375, X550 STAINLESS STEEL	72.08
TK550	HINGED PLATEGRIP X375, X550 STEEL	78.16

Quick Change Chuck

Adapts 1/2" square male drive power tool for tools with 7/16" male hexagonal tops.



NUMBER	PRICE
5552	\$ 72.50

Impact Wrench Kit

A battery-powered impact wrench to use with the 5552 Quick Change Chuck to punch holes and tighten nuts. Complete with 1/2" impact driver, two batteries, charger, and carrying case. 4.6lbs. Bosch three-year warranty.

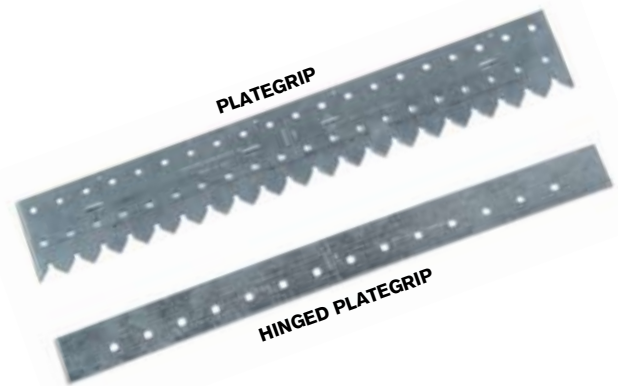


NUMBER	PRICE
22618	\$ 613.72

Templates

Furnished 90° unless otherwise specified. Curved templates are used only with X375 and X550 Plategrip fasteners. In ordering templates, always show size of fastener and width of belt. Example: one no. 1 1/2 Template 30" 90°.

BELT WIDTH	PLATEGRIP		HINGED PLATEGRIP CURVED	
	90°	45°	X375	X550
12"	\$ 26.72	\$ 26.72	\$ 42.66	\$ 37.84
14"	26.72	26.72	42.66	37.84
16"	26.72	26.72	42.66	37.84
18"	26.72	34.62	42.66	37.84
20"	26.72	34.62	42.66	37.84
24"	26.72	41.58	42.66	37.84
26"	-	-	46.22	41.10
30"	34.62	55.42	53.30	47.44
36"	41.58	70.24	63.96	56.92
42"	48.50	91.40	74.62	66.36
48"	55.42	91.40	85.14	75.86
54"	70.24	-	-	85.34
60"	76.18	-	106.58	94.84
72"	91.40	-	-	-



Repair Plates are used to prolong life of belts which have been torn, require patching of worn spots, or have "soft spots." Repair plates should be used only across the belt, and never applied so they travel lengthwise over the pulley.



NUMBER	DESCRIPTION	PRICE
RP1E	25 SETS	\$ 86.26
RP2E	25 SETS	116.78
RP1C	100 SETS	355.48
RP2C	100 SETS	481.18

Belt Tape 100' Roll

For eliminating ripples and sealing splices.



NUMBER	DESCRIPTION	PRICE
P7	1, 140, 1¼	\$ 38.18
P11	190, 1½, 2, X550	52.38

Nut Buster

Allows replacement of selected plates, such as under skirt board wear points, by busting nuts from bolt assembly.

NUMBER	PRICE
NB1	\$ 56.90
NB2	56.90
NB3	56.90



SHIPPING WEIGHT

PLATEGRIP SHIPPING WEIGHT (LBS)

SIZE	10 SETS	25 SETS	100 SETS
1	-	2.8	11.0
140	-	4.0	16.0
190	-	4.9	19.6
1¼	-	4.8	19.5
1½	-	5.5	22.0
2	-	7.5	30.0
2½	6.4	-	64.0
3	7.0	-	70.0
RP1	-	4.5	18.0
RP2	-	9.8	39.0

HINGED PLATEGRIP SHIPPING WEIGHT (LBS)

SIZE	WEIGHT	SIZE	WEIGHT
X375-18	3.3	X550-18	3.3
X375-24	4.0	X550-24	4.3
X375-26	4.5	X550-26	4.9
X375-30	5.1	X550-30	5.5
X375-36	6.3	X550-36	6.5
X375-42	7.3	X550-42	7.8
X375-48	8.3	X550-48	8.8
-	-	X550-54	9.9
X375-60	10.2	X550-60	10.5

Extra Supplies

Plategrip Steel Nuts

Price per 100

NUMBER	PRICE
1N	\$ 28.44
140N	28.44
190N	28.44
1¼N	35.48
1½N	35.48
2N	35.48
2½N	125.50
3N	125.50
RP1N	28.44
RP2N	35.48

Plategrip Steel Bolts

Price per 100

NUMBER	PRICE
1B	\$ 34.08
140B	34.08
190B	34.08
1¼B	37.44
1½B	37.44
2B	37.44
2½B	65.88
3B	65.88
RP1B	34.08
RP2B	37.44

Plategrip Stainless Steel Nuts

Price per 100

NUMBER	PRICE
1NS	\$ 180.06
140NS	180.06
190NS	180.06
1½NS	198.10
2NS	198.10

Plategrip Stainless Steel Bolts

Price per 100

NUMBER	PRICE
1BS	\$ 113.42
140BS	113.42
190BS	113.42
1½BS	140.02
2BS	140.02

Hinged Plategrip Steel Extra Supplies

Extra supplies for use with X375 and X550

NUMBER	DESCRIPTION	PRICE
X550N	NUTS 100/PACK	\$ 27.62
X550B	BOLTS 100/PACK	34.08
X550C	CLIPS 100/PACK	45.02
X550FT	FILLER TUBING/FOOT	0.38
X550NC	CABLE/FOOT	1.86
X550RW	RETAINER WASHERS 50/PACK	6.24

Hinged Plategrip Stainless Steel Extra Supplies

Extra supplies for use with X375S and X550S

NUMBER	DESCRIPTION	PRICE
X550NS	NUTS 100/PACK	\$ 180.06
X550BS	BOLTS 100/PACK	113.42
X550NCS	CABLE/FOOT	6.80