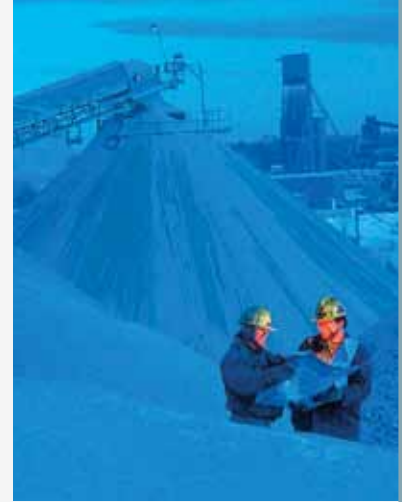


# PLATEGRIP™



**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	\$33.52
140E	40.18
190E	45.96
1¼E	44.56
1½E	41.86
2E	53.16
2½*	66.46
3*	69.86

\*10 Sets/Box

## 100 STEEL SETS\*

NUMBER	PRICE
1C	\$138.16
140C	165.02
190C	189.38
1¼C	187.04
1½C	172.42
2C	218.92
2½C	684.50
3C	719.24

\*Bottom plate pre-assembled

## 25 SETS STAINLESS TOP PLATES BALANCE STEEL

NUMBER	PRICE
1EST	\$59.70
140EST	107.90
190EST	133.06
1½EST	106.80
2EST	148.80

## 25 SETS STAINLESS TOP AND BOTTOM PLATES

NUMBER	PRICE
1ES	\$177.72
140ES	256.76
190ES	298.88
1½ES	256.02
2ES	319.72

## 100 STAINLESS SETS\* TOP AND BOTTOM PLATES

NUMBER	PRICE
1CS	\$746.32
140CS	1,066.28
190CS	1,241.38
1½CS	1,063.50
2CS	1,327.76

\*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](http://www.conveyoraccessories.com/instructions)



**25 SETS DURGARD TOP PLATES  
BALANCE STEEL**

NUMBER	PRICE
1EDT	\$64.38
140EDT	61.04
190EDT	67.98
1¼EDT	67.36
1½EDT	63.14
2EDT	80.10
2½DT*	86.14
3DT*	104.98

\*10 Sets/Box

**100 SETS DURGARD TOP PLATES  
BALANCE STEEL\***

NUMBER	PRICE
1CDT	\$270.24
140CDT	251.60
190CDT	280.04
1¼CDT	283.32
1½CDT	260.16
2CDT	329.94
2½CDT	1,072.60
3CDT	1,126.98

\*Bottom plate pre-assembled

**25 SETS DURGARD  
TOP AND BOTTOM PLATES**

NUMBER	PRICE
1ED	\$69.68
140ED	77.92
190ED	85.24
1¼ED	86.58
1½ED	80.10
2ED	101.52
2½D*	127.56
3D*	133.98

\*10 Sets/Box

**100 SETS DURGARD  
TOP AND BOTTOM PLATES\***

NUMBER	PRICE
1CD	\$292.56
140CD	321.14
190CD	351.14
1¼CD	362.86
1½CD	330.06
2CD	418.32
2½CD	1,338.34
3CD	1,406.36

\*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	\$36.16
X550-18	38.34
X550-20	44.92
X550-24	49.16
X550-26	55.74
X550-30	62.92
X550-36	76.70
X550-42	90.42
X550-48	104.18
X550-54	117.96
X550-60	131.70

### STEEL MATCHED SETS

NUMBER	PRICE
X375-12	\$32.86
X375-14	38.80
X375-16	44.68
X375-18	50.60
X375-20	56.52
X375-24	63.08
X375-26	68.98
X375-30	80.82
X375-36	98.52
X375-42	116.28
X375-48	134.02
X375-60	186.46

### STEEL BULK PACKS (INCLUDES NUTS & BOLTS)

NUMBER	DESCRIPTION	PRICE
X375-2	25 SETS	\$119.30
X375-3	18 SETS	128.84
X550-1	50 SETS	133.80
X550-3	18 SETS	144.48

### STAINLESS MATCHED SETS

NUMBER	PRICE
X550-16S	\$132.28
X550-18S	145.00
X550-20S	165.30
X550-24S	185.18
X550-26S	214.90
X550-30S	237.58
X550-36S	289.92
X550-42S	342.34
X550-48S	394.76
X550-54S	446.24
X550-60S	524.44

### STAINLESS MATCHED SETS

NUMBER	PRICE
X375-18S	\$179.56
X375-24S	229.28
X375-30S	294.22
X375-36S	359.12
X375-42S	424.04
X375-48S	488.98
X375-60S	649.48



INSTALLATION TOOLS ARE SHOWN ON PAGES 8 TO 11.

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

NUMBER	DESCRIPTION	PRICE
X375-2S	25 SETS	\$493.12
X375-3S	18 SETS	532.56
X550-1S	50 SETS	591.42

## DURGARD BULK PACKS (INCLUDES NUTS & BOLTS)

NUMBER	DESCRIPTION	PRICE
X550-1D	50 SETS	\$377.96

## DURGARD

NUMBER	PRICE
X550-18D	\$93.12
X550-24D	119.22
X550-30D	152.72
X550-36D	186.18
X550-42D	219.68
X550-48D	253.16
X550-60D	319.10

**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"	\$5.44	\$4.22
14"	5.62	4.46
16"	5.66	4.70
18"	5.70	5.62
20"	6.64	6.24
24"	7.62	7.82
26"	8.26	8.10
30"	9.54	9.76
36"	11.44	11.16
42"	13.28	13.62
48"	15.18	15.62
54"	17.06	16.74
60"	19.02	18.60

# 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](http://www.conveyoraccessories.com/instructions)

## STAINLESS STEEL CABLE

SIZE	NCS	SSC
16"	\$10.72	\$11.30
18"	11.58	13.60
20"	12.38	16.16
24"	14.36	18.74
26"	16.14	19.54
30"	20.04	20.36
36"	24.08	24.44
42"	28.12	32.70
48"	32.10	37.38
54"	36.12	40.54
60"	40.16	45.04

## 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	\$32.38
#2	32.38
#3	36.50

### Power Boring Bit

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

NUMBER	PRICE
#1PB	\$34.22
#2PB	34.22
#3PB	34.84

### Boring Bit

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

NUMBER	PRICE
#1B	\$34.22
#2B	34.22
#3B	34.84

### Hand Punch

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

NUMBER	PRICE
#10	\$22.26
#20	22.26
#30	26.96

## Power Punch

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

NUMBER	PRICE
#11	\$20.94
#22	20.94
#33	30.08

## Spanner Wrench

For use with carpenter's brace to tighten nuts.

NUMBER	PRICE
S1S	\$23.62
S2S	23.62
S3S	31.26

## 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	\$32.26
PS2	32.26
PS3	38.80

## 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	\$44.70
P614	44.70
P616	44.70

## Power Hex Wrench

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

NUMBER	PRICE
PH160	\$32.98
PH180	32.98

## Power Socket Wrench

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

NUMBER	PRICE
SP160S	\$36.68
SP180S	36.68

## Hand Hex Wrench

For use with carpenter's brace to tighten nuts.

NUMBER	PRICE
S100	\$33.00

## 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	\$77.86
TK2	1¼, 1½, 2 & RP2	77.86
TK3	2½, 3	95.98
TK550S	HINGED PLATEGRIP X375, X550 STAINLESS STEEL	77.86
TK550	HINGED PLATEGRIP X375, X550 STEEL	84.42

## Quick Change Chuck

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



	NUMBER	PRICE
	5552	\$78.30

## 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.

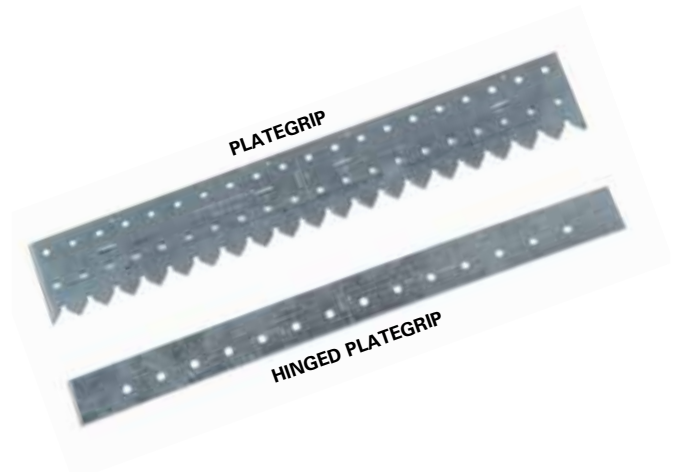


	NUMBER	PRICE
	22618	\$662.82

## 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"	\$28.86	\$28.86	\$46.08	\$40.88
14"	28.86	28.86	46.08	40.88
16"	28.86	28.86	46.08	40.88
18"	28.86	37.40	46.08	40.88
20"	28.86	37.40	46.08	40.88
24"	28.86	44.92	46.08	40.88
26"	-	-	49.92	44.40
30"	37.40	59.86	57.56	51.24
36"	44.92	75.86	69.08	61.48
42"	52.38	98.72	80.60	71.68
48"	59.86	98.72	91.96	81.94
54"	75.86	-	-	92.18
60"	82.28	-	115.12	102.44
72"	98.72	-	-	-



**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
<b>RP1E</b>	25 SETS	\$93.16
<b>RP2E</b>	25 SETS	126.12
<b>RP1C</b>	100 SETS	383.92
<b>RP2C</b>	100 SETS	519.68

## Belt Tape 100' Roll

For eliminating ripples and sealing splices.



NUMBER	DESCRIPTION	PRICE
<b>P7</b>	1, 140, 1 1/4	\$41.24
<b>P11</b>	190, 1 1/2, 2, X550	56.58

## Nut Buster

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



NUMBER	PRICE
<b>NB1</b>	\$61.46
<b>NB2</b>	61.46
<b>NB3</b>	61.46

# SHIPPING WEIGHT

## PLATEGRIP SHIPPING WEIGHT (LBS)

SIZE	10 SETS	25 SETS	100 SETS
<b>1</b>	–	2.8	11.0
<b>140</b>	–	4.0	16.0
<b>190</b>	–	4.9	19.6
<b>1 1/4</b>	–	4.8	19.5
<b>1 1/2</b>	–	5.5	22.0
<b>2</b>	–	7.5	30.0
<b>2 1/2</b>	6.4	–	64.0
<b>3</b>	7.0	–	70.0
<b>RP1</b>	–	4.5	18.0
<b>RP2</b>	–	9.8	39.0

## HINGED PLATEGRIP SHIPPING WEIGHT (LBS)

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

## Extra Supplies

### Plategrip Steel Nuts

Price per 100

NUMBER	PRICE
1N	\$30.72
140N	30.72
190N	30.72
1¼N	38.32
1½N	38.32
2N	38.32
2½N	135.54
3N	135.54
RP1N	30.72
RP2N	38.32

### Plategrip Steel Bolts

Price per 100

NUMBER	PRICE
1B	\$36.82
140B	36.82
190B	36.82
1¼B	40.44
1½B	40.44
2B	40.44
2½B	71.16
3B	71.16
RP1B	36.82
RP2B	40.44

### Plategrip Stainless Steel Nuts

Price per 100

NUMBER	PRICE
1NS	\$194.46
140NS	194.46
190NS	194.46
1½NS	213.96
2NS	213.96

### Plategrip Stainless Steel Bolts

Price per 100

NUMBER	PRICE
1BS	\$122.50
140BS	122.50
190BS	122.50
1½BS	151.22
2BS	151.22

### Hinged Plategrip Steel Extra Supplies

Extra supplies for use with X375 and X550

NUMBER	DESCRIPTION	PRICE
X550N	NUTS 100/PACK	\$29.84
X550B	BOLTS 100/PACK	36.82
X550C	CLIPS 100/PACK	48.62
X550FT	FILLER TUBING/FOOT	0.42
X550NC	CABLE/FOOT	2.02
X550RW	RETAINER WASHERS 50/PACK	6.74

### Hinged Plategrip Stainless Steel Extra Supplies

Extra supplies for use with X375S and X550S

NUMBER	DESCRIPTION	PRICE
X550NS	NUTS 100/PACK	\$194.46
X550BS	BOLTS 100/PACK	122.50
X550NCS	CABLE/FOOT	7.34