Flexco® VP™ Rubber Covered Bolt Solid Plate Fastener Strips

Keep productivity on a roll

Now Flexco® Bolt Solid Plate fasteners are available as strips of rubber-covered top plates offering increased splice life and maximized belt availability. They can be applied to belts mechanically rated up to 440 P.I.W. and are ideal for highly abrasive materials such as sand, gravel and crushed stone.

Extended splice life, improved performance

Flexco VP™ fasteners provide increased impact protection of top plates and reduced plate exposure to wear — resulting in longer splice life. The rubber covering offers a sift-free, sealed splice to protect against seepage of fines and moisture plus reduced noise on return idlers and other conveyor components. VP rubber-covered steel fasteners allow for a continuous, smooth surface when plate strips are countersunk. And, in many cases, provide for improved belt cleaner interface and help to extend the life of your belt cleaner blade.

Fast, easy installation

Flexco VP fasteners are applied on-site with field-proven portable hand or power tools. Templets are used to locate holes quickly and precisely for fast installation. VP fasteners come standard with our Quick-Fit™ Pre-Assemblies. Plus our exclusive piloted bolts cradle nuts securely in place eliminating the need to twist nuts onto bolts by hand to keep them in place.

Market Applications

- Sand
- Gravel
- Crushed Stone
- Limestone
- Salt
- Coal

FLEXCO® Bolt Solid Plate

Flexco® VP™ Selection Guide

Fastener Size	Belt Thickness Range		For Belts with Mechanical Fastener Ratings		Recommended Minimum Pulley Diameter	
	in.	mm	P.I.W.	kN/m	in.	mm
140VP	3/16-7/16	5-11	225	40	14	360
190VP	5/16-9/16	8-14	330	60	18	460
2VP	9/16-13/16	14-21	440	75	30	760

For best results, Flexco strongly recommends skiving the belt ends to recess the VP splice.

Patent Pending.

Flexco® VP™ Fasteners

Flexco® VP™ rubber covered steel top plates are available with steel or abrasion resistant MegAlloy® bottom plates. Order in box or bucket quantities. Box quantities provide enough fasteners to splice a 36" (900 mm) belt.

Rubber Covered Top Plates Balance Steel			Rubber Covered Top Plates MegAlloy Bottom Plates		
BOX			**BOX**		
Ordering Number	Plates Per Strip	Strips Per Box	Ordering Number	Plates Per Strip	Strips Per Box
140VP	6	5	140VPMA	6	5
190VP	6	5	190VPMA	6	5
2VP	4	6			
BUCKET			**BUCKET**		
Ordering Number	Plates Per Strip	Strips Per Bucket	Ordering Number	Plates Per Strip	Strips Per Bucket
140VPB	6	16	140VPBMA	6	16
190VPB	6	16	190VPBMA	6	16
2VPB	4	24			

Hand and Power Installation Tools

The only tools needed for Flexco VP fastener installation are the special VP templet (see below) and portable hand or power tools. Impact wrench driven power tools are recommended, and can reduce installation time by at least 50%.

Hand Installation Tools

Description	Ordering Number 140, 190	Ordering Number 2
Punch	P1P	P2P
Boring Bit	B1B	B2B
Wrench	S1S	S2S
Bolt Horn	2BH	2BH
Bolt Breakers	110	112

Power Installation Tools

Description	Ordering Number 140, 190	Ordering Number 2
Power Punch	HP1	HP2
Power Boring Bit	HB1	HB2
Power Wrench	HW1	HW2
Quick Change Chuck	5552	5552
Bolt Breakers	110	112

Strips Required for a Complete Joint

Belt Width		VP™ Plate Strips per Splice*		VP™ Plate Strips per Splice*	
		For 140, 190		For 2	
in.	mm	in.	mm	in.	mm
18	450	3	3	3	3
24	600	4	4	4	4
30	750	5	4	5	5
36	900	5	5	6	6
42	1050	6	6	7	7
48	1200	7	7	8	8
54	1350	8	8	9	9
60	1500	9	9	10	10

*Strips may require trimming to match belt width.

Flexco-Lok® Tape

Flexco-Lok® Tape is a rigid nylon tape that helps eliminate belt ripple.

Ordering Number	
For 140	FL7C
For 190, 2	FL11C

Belt Tape: 100' (30 M) per Carton

90° Templets for Flexco® VP™ Fasteners

Flexco VP™ fasteners use standard installation templets. Templets simplify installation by providing a guide for accurate bolt-hole placement.

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