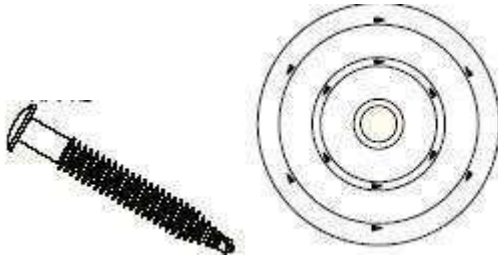


## VERSICO HPV-XL FASTENERS & HPV-XL PLATES

### GENERAL:



Versico HPV-XL Fasteners are used with Versico's HPV-XL Fastening Plates to secure Mechanically Fastened VersiWeld roofing Systems. The HPV-XL Fastener is an oversized diameter (0.315") steel threaded fastener for use with 22 gauge (0.76 mm) steel decks for maximum pullout. In addition to the oversized diameter, this fastener features deep buttress threads (13 threads per inch), a mini-drill point for enhanced backout, and an oversized truss head with a #3 Phillips drive. The HPV-XL Plate is 2 3/8" diameter and made from 20 gauge steel with 12 barbs for increased slip resistance of membrane during uplift conditions. The HPV-XL Plate also incorporates an oversized diameter hole to accommodate the larger wire size of the HPV-XL Fastener. Enhanced Factory Mutual uplift approvals have been achieved due to the increased pullout values associated with the HPV-XL Fastener. (Contact Versico for specifics regarding specific FM approvals).

### TYPICAL PROPERTIES AND CHARACTERISTICS

Size Packaging Inch (mm) Fasteners/ Bkt.	Weight/ Ctn. (Kg)	Thread Length	
		Inch	(mm)
<b>Fasteners</b>			
2 (50)	16 lbs (7.3)	Full	500
3 (80)	22 lbs (10.0)	3 (75)	500
4 (110)	29 lbs (13.2)	4 (100)	500
5 (130)	36 lbs (16.3)	4 (100)	500
6 (150)	44 lbs (20.0)	4 (100)	500
7 (175)	25 lbs (11.4)	4 (100)	250
8 (200)	28 lbs (12.7)	4 (100)	250
<b>Plates</b>			
2 3/8 (60)	53 lbs. (24.0)	-----	1,000

- One #3 Phillips screwdriver bit is included in each bucket.
- Oversize wire diameter (0.315") with a #3 Phillips drive.
- Buttress thread puts a flatter and wider surface area in contact with the bottom of the deck, increasing pullout and back-out resistance. Typical pullout values of 900 pounds are achieved in 22 gauge Grade E steel deck.
- 13 threads per inch increase the thread engagement, providing additional back out resistance.
- Mini drill-point design cuts a hole in the steel deck maintaining contact between the deck and the minor diameter of the fastener, increasing back-out resistance.
- Black epoxy electro-deposition coating provides excellent corrosion resistance, surpassing the FM 4470 corrosion test of less than 15% red rust after 15 cycles in the Kesternich cabinet. Typical corrosion values are less than 15% red rust after 25 cycles in the Kesternich cabinet.

**Versico HPV-XL Fasteners and HPV-XL Plates**

	<b>Steel Deck 22 Gauge</b>
Typical Pullout Value	900 lbf. (4000N)
Minimum Penetration	1" (25 mm)
Maximum Penetration	4" (100 mm)
Typical Static Back-out	25 in. lbs.(2.8N-m)
Typical Drill Times	1.5 seconds

**CAUTIONS AND WARNINGS:**

- Eye protection is recommended during installation.
- Use care to avoid over-torquing the fastener.

**INSTALLATION:**

No pre-drilling is necessary for steel decks. Simply insert the HPV-XL Fastener through the Versico HPV-XL seam plate and install with a standard clutch drive electric screw gun (0-1800 rpm). Optimum fastener performance is achieved when the fastener is installed perpendicular to the deck and into the top flutes of a steel deck.

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