

HPX-PT[®]

PRE-TORQUED
HOLDER
ASSEMBLY

ENSURES
PRECISE
INSTALLATION



HPX-PT Pre-Torqued Holders incorporate high strength steel socket head cap screws to ensure accurate loading and sealing of the HPX[®] Rupture Disc. The HPX-PT holder allows the disc to be correctly fitted in the workshop using precise recommended torque levels, prior to installation of the complete assembly between the flanges in the process system relief stream.

COMMON INSTALLATIONS

- Process equipment having glass or fluoropolymer lined flanges that cannot provide the compression required to seal the rupture disc in the holder
- Installations where the piping arrangement restricts access preventing correct torque loading of the flange fasteners
- Challenging processes requiring regular removal of the rupture disc and holder assembly for inspection
- Applications requiring leak testing of the rupture disc assembly prior to installation in the piping system

FEATURES

- Allows a precise torque load to be applied in the controlled environment of a workshop prior to installation
- Maintains precise loading of the rupture disc where poor flange alignment and gasket cold flow may be an issue
- Pre-torqued holder screws are protected with coating to prevent wear, sticking and galling of the screws, and provides corrosion resistance

SPECIFICATIONS

- Compatible with the HPX[®] rupture disc products
- Standard sizes ranging from 1" through 12" (25 mm to 300 mm)
- Available in sizes and bolting classes shown in table on next page

STANDARD MATERIALS AVAILABLE

- | | |
|----------------|-----------------------|
| ➤ Carbon Steel | ➤ 316 Stainless Steel |
| ➤ Alloy 400 | ➤ Alloy C276 |

AVAILABLE OPTIONS

- | | |
|--|-------------------------------|
| ➤ Alternate heights | ➤ Gauge taps in holder outlet |
| ➤ Flange studs & nuts, alloy steel or 316 SS | ➤ J-Hook on holder inlet |
| ➤ Corrosion resistance enhancement by adding a fluoropolymer coating or TANTALINE [®] treatment | |



HPX-PT (PRE-TORQUED) HOLDER // Weights, Bolting Classes & Dimensions

SIZE	BOLTING CLASSES						OUTSIDE DIAMETER	HEIGHT	WEIGHT
	ASME		DIN		JIS		in mm	in mm	lb kg
1" 25 mm	150	300/600	10/40		10/20	30/40	3.63 92,2	1.80 45,7	3.3 1,5
1 1/2" 40 mm	150	300/600	10/40		10/20	30/40	4.63 117,6	2.04 51,8	6.4 2,9
2" 50 mm	150	300/600	10/40		10	16/20 30/40	5.25 133,4	2.36 59,9	9.3 4,2
3" 80 mm	150	300/600	10/40		10	16/20 30/40	7.00 177,8	3.21 81,5	22 10
4" 100 mm	150	300	10/16	25/40	10	16/20 30/40	8.10 205,7	3.97 100,8	34 15
6" 150 mm	150	300	10/16	25/40	10	16/20 30/40	10.44 265,2	5.64 143,3	58 26
8" 200 mm	150	300	10	16	25	40 16/20 30/40	12.88 327,1	7.26 184,4	102 46
10" 250 mm	150	300	25/40		10/16	30/40	15.50 393,7	6.12 155,4	127 58
12" 300 mm	150	300	25/40		16/20	30/40	18.13 460,5	7.12 180,8	209 95

HPX-PT-RH (PRE-TORQUED/REDUCED HEIGHT) HOLDER // Weights, Bolting Classes & Dimensions

SIZE	BOLTING CLASSES						OUTSIDE DIAMETER	HEIGHT	WEIGHT
	ASME		DIN		JIS		in mm	in mm	lb kg
1" 25 mm	150	300/600	10/40		10/20	30/40	3.63 92,2	1.47 37,3	2.7 1,2
1 1/2" 40 mm	150	300/600	10/40		10/20	30/40	4.63 117,6	1.67 42,4	5.2 2,4
2" 50 mm	150	300/600	10/40		10	16/20 30/40	5.25 133,4	1.80 45,7	7.1 3,2
3" 80 mm	150	300/600	10/40		10	16/20 30/40	7.00 177,8	2.90 73,6	15 6,8
4" 100 mm	150	300	10/16	25/40	10	16/20 30/40	8.10 205,7	2.19 55,6	25 11
6" 150 mm	150	300	10/16	25/40	10	16/20 30/40	10.44 265,2	3.67 93,2	37 17
8" 200 mm	150	300	10	16	25	40 16/20 30/40	12.88 327,2	3.77 95,8	53 24

TANTALINE® is a registered trademark of Tantalum Technologies A/S Corporation

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