

PRETORQUEABLE HOLDERS FOR AXIUS, SRX, SRL AND POLY-SD

DESCRIPTION

Fike offers two types of pretorqueable holders, the 'TQ+' and 'TQ'. The purpose of the TQ+ and TQ holder designs are to allow bursting discs to be installed and then 'torqued' to recommended static load levels ensuring proper clamping of the bursting disc within the assembly. This can take place at a workbench rather than in the field where conditions could be less than ideal, greatly reducing the possibility of assembly errors.

Once together, the bursting disc assembly may then be delivered to the field location and installed between companion flanges where additional torque loads applied are essential for proper functionality of the assembly. TQ+ and TQ assemblies may also be removed, inspected and replaced during routine maintenance schedules and plant turnarounds without compromising disc performance as long as the disc is not removed.

TQ+ BURSTING DISC HOLDERS

The TQ+ type holders were designed with the ability to be installed in multiple international flange rating configurations. The TQ+ can be specified for the following bursting disc models: Axius, SRL, SRX and Poly-SD.

TQ BURSTING DISC HOLDERS

TQ type holders are manufactured to the specified flange rating and diameters corresponding to nominal pipe sizes. TQ holder standard materials of construction are carbon steel and 316 SST. Other materials and custom holder heights are available on request. TQ holders can be specified for the following bursting disc models: Axius, SRL, SRX and Poly-SD.





FEATURES AND BENEFITS TQ+

- Suitable for ANSI, JIS, DIN and ISO ratings. Ratings may vary by size DiscLoc™ locator helps prevent inverted disc installation. Available on XL, SRL and SRX models
- Serrated gasket faces per ANSI B16.5 for improved gasket sealing
- Standard stocked size range from DN25 to DN150
- Standard 316 SST material of construction – other materials available upon request
- Standard overall height dimensions
- High profile or ‘tall’ holddowns are available for XL and DN40 SRL models and are recommended when installed directly under relief valves

FEATURES AND BENEFITS TQ

- Standard sizes ranging from DN25 to DN300
- DiscLoc™ locator helps prevent inverted disc installation. Available on XL, SRL and SRX models
- Serrated gasket faces per ANSI B16.5 for improved gasket sealing
- Optional O-ring disc seal for reduced emissions on XL, SRL and SRX models
- Standard 316 SST and Carbon Steel materials of construction – other materials available on request

DISC/HOLDER MODEL CAPABILITY

Disc Model	Holder Model			
	SRX	SRL / SRLO	XL / XLO	Poly-SD
SRX	•			
SRL		•	• ¹	
Axius		• ²	•	
Poly-SD				•

(1) DN40 SRL disc is not compatible with DN40 XL/XLO holder.

(2) DN40 Axius disc is not compatible with DN40 SRL/SRLO holder.



TQ+ SERIES PRETORQUEABLE HOLDERS FOR AXIUS, SRL, SRX AND POLY-SD

Size		Assembly Height (mm)					Max NPT Size Low	Max NPT Size High
Inches	DN	XL	XLO	SRX	Poly-SD			
1	25	60.5	38.1	38.1	38.1	ANSI 150 - 600 ISO PN10 - PN100 DIN PN10 - PN40 JIS 10K - 20K	None	1/4"
1.5	40	73.2	42.9	42.9	42.9	ANSI 150 - 600 ISO PN10 - PN100 DIN PN10 - PN40 JIS 10K - 20K	1/4"	1/4"
2	50	76.2	47.8	47.8	47.8	ANSI 150 - 600 ISO PN10 - PN100 DIN PN10 - PN64 JIS 10K - 40K	1/4"	1/4"
3	80	95.3	54.1	54.1	54.1	ANSI 150 - 600 ISO PN10 - PN100 DIN PN10 - PN40 JIS 10K - 20K	1/4"	1/4"
4	100	115.8	73.1	73.1	73.1	ANSI 150 ISO PN20 - PN40 DIN PN25 - PN64 JIS 16K - 30K	1/4"	1/4"
4	100	115.8	73.1	73.1	73.1	ANSI 300 - 600 ISO PN50 - PN100 JIS 40K - 63K	1/4"	1/4"
6	150	152.4	93.7	93.7	93.7	ANSI 150 ISO PN16 - PN40 DIN PN16 - PN40 JIS 10K	1/2"	1/2"
6	150	152.4	93.7	93.7	93.7	ANSI 300 ISO PN50 JIS 30K	1/2"	1/2"

Notes:

DN40 SRLO assembly height (42.9 mm); max NPT 1/4"

DN40 SRL assembly height (73.2 mm); max NPT 1/4"



TQ PRETORQUEABLE HOLDERS FOR AXIUS, SRL, SRX AND POLY-SD

Size		Assembly Height		Max. NPT Size (ANSI 150)	Assembly Height (ANSI 150/300) SRX	Max. NPT Size (ANSI 150/300)	Assembly Height (ANSI 150) Poly-SD	Assembly Height (ANSI 300) Poly-SD	Max. NPT Size (ANSI 150/300)
Inches	DN	XL	XLO						
1	25	66.8	57.2	1/2"	54.1	1/2"	38.1	38.1	1/4"
1.5	40	79.5	54.1	1/2"	57.2	1/4"	41.4	41.4	1/4"
2	50	87.4	66.8	1/4"	68.3	1/2"	44.5	44.5	1/4"
3	80	105.7	65.0	1/2"	66.8	1/2"	54.1	54.1	1/2"
4	100	120.7	69.9	1/2"	73.2	1/2"	73.2	73.2	1/2"
6	150	152.4	71.4	1/2"	74.7	1/2"	85.9	93.7	1/2"
8	200	192.0	77.7	1/2"	81.8	1/2"	88.9	95.3	1/2"
10	250	243.6	102.4	1/2"	100.1	1/2"	100.1	100.1	1/2"
12	300	292.9	124.7	1/2"	115.8	1/2"	100.1	131.8	1/2"

Notes:

DN40 SRLO assembly height (54.1 mm); max NPT 1/2"

DN40 SRL assembly height (66.8 mm); max NPT 1/2"

For an ANSI 150 rated 2 in SRX holder; max NPT 1/4"

For holder configurations other than the pretorqueable style (for example insert, full-bolting, welded or threaded version), please consult Fike.