

TORQUEABLE HOLDERS FOR RD520 AXIUS, RD320, SRX, SRL AND POLY-SD

DESCRIPTION

Fike offers four types of torqueable holders, the 'TQ', 'TQ+' and 'TQ(+) Full Torque'. The purpose of this holder design is 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.

Torqueable 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

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/316 L. Other materials and custom holder heights are available on request. TQ holders can be specified for the following bursting disc models: RD520 Axius, RD320, SRL, SRX and Poly-SD.

TQ+ BURSTING DISC HOLDERS

The TQ+ type holders were designed with the ability to be installed in multiple international flange rating configurations. TQ+ holder standard materials of construction are carbon steel and 316 SST/316 L. Other materials and custom holder heights are available on request. The TQ+ can be specified for the following bursting disc models: RD520 Axius, RD320, SRL, SRX and Poly-SD.

Once together, the TQ and TQ+ 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. The customer is responsible for applying the required torque to the flanges to prevent leakage and damage to the flanges.





TQ(+) FULL TORQUE BURSTING DISC HOLDERS

The TQ(+) Full Torque type holders were designed with the ability to be installed in multiple international flange rating configurations.

TQ(+) Full Torque type holders can be used between flanges that cannot withstand high loads, e.g. glass piping. TQ+ Full Torque type holders are installed between companion flanges where no additional torque loads applied are essential for proper functionality of the assembly. TQ(+) Full Torque holder standard materials of construction are carbon steel and 316 SST/316 L. Other materials and custom holder heights are available on request.

TQ(+) Full Torque holders can be specified for the following bursting disc models: RD520 Axius, RD320, SRL, SRX and Poly-SD.

FEATURES AND BENEFITS TQ, TQ+ AND TQ(+) FULL TORQUE

- Sizes ranging from DN25 to DN300 (TQ – TQ Full Torque) and from DN25 to DN150 (TQ+ - TQ+ Full Torque)
- 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 316 SST/316 L and Carbon Steel materials of construction – other materials available on request
- Optional O-ring disc seal for reduced emissions on XL, SRL and SRX models

DISC/HOLDER MODEL CAPABILITY

Disc Model	Holder Model			
	SRX	SRL / SRLO	XL / XLO	Poly-SD
SRX	•			
SRL		•	• ¹	
RD520 Axius		• ²	•	
RD320		• ²	•	
Poly-SD				•

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

(2) DN40 RD520 Axius and RD320 disc are not compatible with DN40 SRL/SRLO holder.



TQ PRETORQUEABLE HOLDERS FOR RD520 AXIUS, RD320, 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"



TQ+ SERIES PRETORQUEABLE HOLDERS FOR RD520 AXIUS, RD320, 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(+) SERIES FULL TORQUEABLE HOLDERS FOR RD520 AXIUS, RD320, SRL, SRX AND POLY-SD

For TQ(+) series full torqueable holder heights and sizes consult factory.