

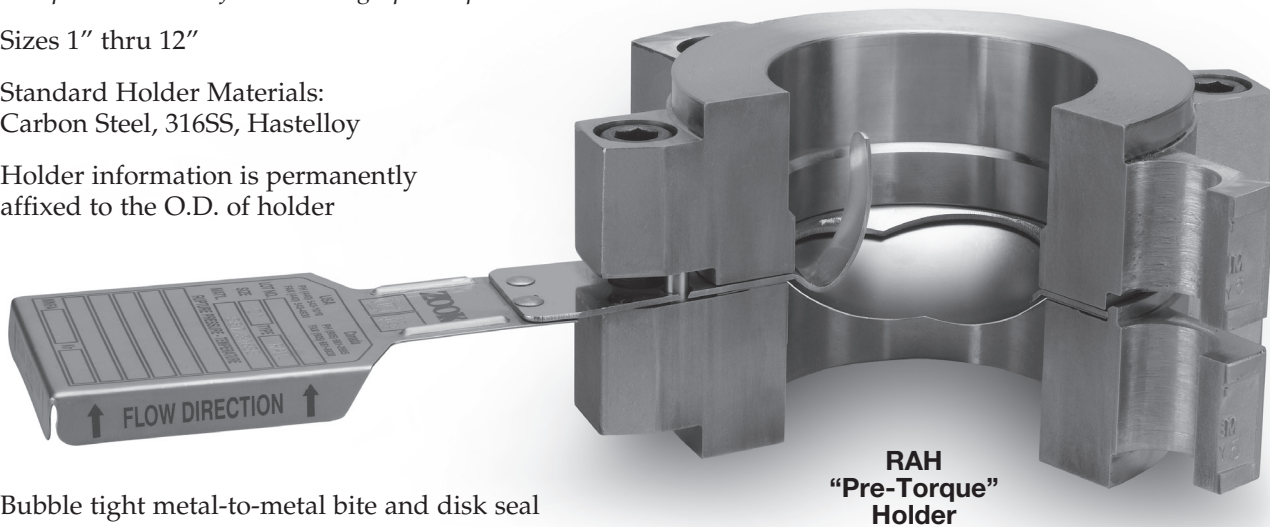


RAH Series Pre-Torque Rupture Disk Holder

In a continued effort to provide cutting edge products and technologies for rupture disk users, ZOOK is pleased to introduce our RA Series of Rupture Disks and Holders. The RA Series offers one unique holder design for use with multiple types of ZOOK *Reverse-Acting* metal rupture disks.

Features / Benefits

- Pre-Torque Design
 - ...pre-assembly of a rupture disk into a holder prior to field installation
 - ...removal of the assembly from the piping system for inspection without disturbing the seal integrity of the Rupture Disk
 - ...pre-torque bolts properly seat the disk by engaging the holder bite
- One *holder* design
 - ...accepts multiple disk designs (RA4, RA6, RA8, and RAX)
- Disk dome is contained within inlet holder
 - ...prevents damaging the disk during installation into mating flanges
- Locating pin
 - ...allows only reverse-acting type disks to be mounted into holder
- Fluoropolymer coated socket head cap screws
 - ...resists corroding to holder assembly
 - ...provides easy removal without special sockets
- Polyethylene cap screw covers
 - ...prevents debris from building up in cap screw head
- Sizes 1" thru 12"
- Standard Holder Materials:
Carbon Steel, 316SS, Hastelloy
- Holder information is permanently affixed to the O.D. of holder

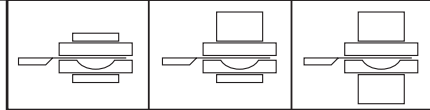


- Bubble tight metal-to-metal bite and disk seal
- Flow direction arrows on disk tag and holder
 - ...provide permanent visual verification that holder assembly is properly oriented in the piping system
- Flange class and type specific
 - ...guards against installing an assembly into mating flanges with a different pressure rating than the rupture disk holder
- Positioning hole in mounting lug
 - ...located in the exact position as the mating flange
 - ...allows for proper alignment
 - ...can be used as an extra "hand" when installing into horizontal piping

Holder Dimensions/Specifications

Nominal Size	Available ANSI Flange Class*	Minimum Height (in)*	Standard Height (in)			Weight (Lbs.) (Short Pattern)	Number of Cap Screws	Cap Screws Hex Size	Gauge tap (NPT)**
			Short Pattern RAH	Mid Pattern RAH-LP1	Long Pattern RAH-LP2				
1"	150/300/600	1-9/16"	2-1/8"	2-11/32"	2-9/16"	3.8	4	3/16"	1/8", 1/4"
1-1/2"	150/300/600	1-11/16"	2-1/4"	2-29/32"	3-9/16"	6.4	4	1/4"	1/8", 1/4"
2"	150/300/600	2-5/32"	2-23/32"	3-15/16"	5-5/32"	9.0	4	5/16"	1/8", 1/4"
3"	150/300/600	2-9/16"	3-1/8"	4-15/16"	6-23/32"	16.6	4	3/8"	1/8", 1/4"
4"	150/300	2-19/32"	3-5/32"	5-31/32"	8-3/4"	22.5	4	3/8"	1/8", 1/4"
6"	150/300	3-7/32"	3-7/16"	6-25/32"	10-3/32"	36.0	8	5/16"	1/8", 1/4"
8"	150/300	4-1/16"	4-5/8"	9-1/32"	13-15/32"	53.4	8	3/8"	1/8", 1/4"
10"	150	4-3/4"	5-21/32"	11-5/32"	16-11/16"	99.8	12	3/8"	1/8", 1/4"
12"	150/300	5-1/16"	6-17/32"	13-5/32"	19-25/32"	136.0	12	1/4"	1/8", 1/4"

* Holders are also available to fit DIN and JIS flanging. Contact ZOOK for details.



*Minimum height specified in table above will maintain the pre-torque feature of the rupture disk holder
Refer to ASME/ANSI B16.5 Pipe flanges and Flange Fittings (Table 2) for Max allowable Pressure/Temperature Ratings per flange Class

Options/Accessories

Mid/Long Pattern

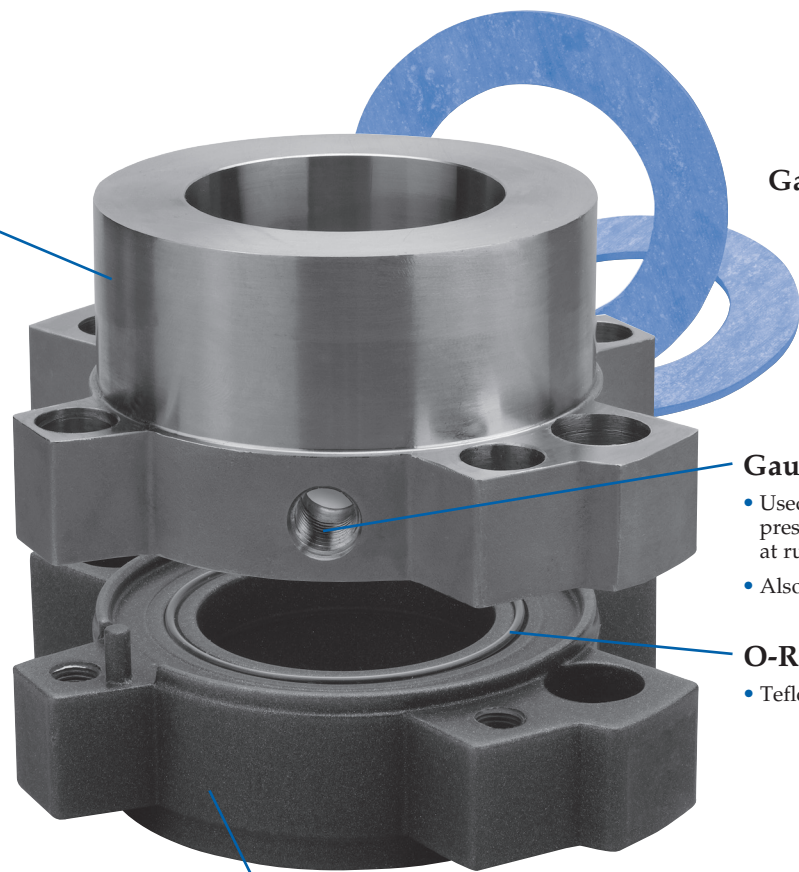
- Can be machined to meet existing piping specifications
- Prevents Rupture Disk membrane from protruding beyond the outlet holder after burst



Replacement Fluoropolymer Coated Cap Screws

Cap Screw Specifications*	
Type	Socket Head
Material	Alloy Steel
Hardness	38-43-RC
Threads	UNRF 3A

*Required to meet Pre-Torque specifications



Gaskets

Gauge Tap**

- Used for monitoring pressure/temperature at rupture disk location
- Also available on inlet holder

O-Ring Seal

- Teflon encapsulated Viton

Special Coating

– Fluoropolymer Teflon® Sintered (FS)

- Provides durable, non-stick surface (Requires O-Ring Seal)

Teflon – TM DuPont
Hastelloy – TM Cabot Corp.
Monel – TM Huntington Alloys
Inconel – TM International Nickel



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