



Model SRI-7RS™

Pretorqued Safety Head

Represented by: **DUNCAN CO** Ph: 612-331-1776
www.duncanco.com



The SRI-7RS™ is a pre-torqued safety head designed for ease of handling and installation. The BS&B signature ‘bite-seal’ is present in all nominal sizes, optimizing leak tightness. The visible and accessible cap screws allow user confirmation of their presence and verification of applied torque in service. The unique shape of the SRI-7RS safety head enables excellent centering inside the bolt circle to maximize flow.

Features

- Pretorqued cap screws energize the seal between the rupture disk and safety head, independent of companion flange stud torque.
- Asymmetric locating pins center the rupture disk within the safety head.
- A j-bolt on the inlet side of the safety head ensures proper directional orientation between companion flanges.
- Locating pins are arranged to ensure that rupture disks are installed in the correct orientation within the safety head.
- The rupture disk dome is fully protected within the safety head inlet to avoid damage during installation in the piping system.
- The proprietary ‘bite seal’ is standard for SRI-7RS in all nominal sizes 1” thru 8” (DN 25 to DN 200). The bite feature optimizes sealing between the rupture disk and the process (inlet) side of the safety head.

Standard Materials

316 stainless steel, carbon steel, Monel® Alloy 400, Inconel® Alloy 600 and Hastelloy® C-276. *Hastelloy® is a trademark of Haynes International Inc. Monel® and Inconel® are trademarks of Special Metals Corporation.*

Rupture Disk installed in a 1” (DN 25) SRI-7RS



| Rupture disk types for use in SRI-7RS safety heads | | |
|--|------|-----|
| Sigma | LPS | FRS |
| Sigma EXL | S-90 | FRL |
| SK _r | JRS | RLS |

Note: Safety head choices for the above includes SRI-7RS, SRB-7RS and SRB-7FS.

SRI-7RS Safety Head Specifications

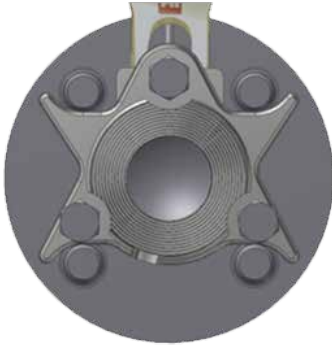
| Size | | Safety Head Flange Rating | | | Safety Head Thickness Without Rupture Disk | |
|------|-----|---------------------------|-------------------------|----------------|--|----|
| in | DN | ANSI / ASME B16.5 | EN 1092-1 GOST 12815-80 | JIS B220 | in | mm |
| 1 | 25 | 150/300/600 | 10/16/25/40 | 10/16/20/30/40 | 1.5 | 38 |
| 1.5 | 40 | 150/300/600 | 10/16/25/40 | 10/16/20/30/40 | 1.7 | 43 |
| 2 | 50 | 150/300/600 | 10/16/25/40 | 10/16/20/30/40 | 1.9 | 48 |
| 3 | 80 | 150/300/600 | 10/16/25/40 | 16/20/30/40 | 2.2 | 55 |
| 4 | 100 | 150/300* | 10/16/25/40 | 16/20/30/40 | 2.9 | 73 |
| 6 | 150 | 150/300* | 10/16/25/40 | 10/16/20/30 | 3.6 | 92 |
| 8 | 200 | 150/300* | 10/16/25/40 | 16/20/30 | 3.8 | 95 |

* Available for ANSI 600# with adapter ring. Consult BS&B or your local representative.

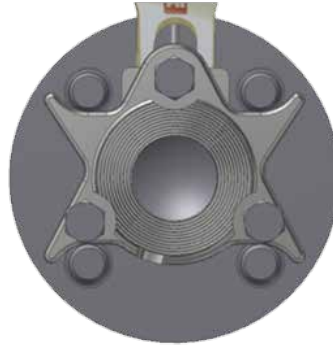
Flange Bolt Patterns

ANSI / ASME B16.5 150lb configurations shown.

1" (DN 25) SRI-7RS



1.5" (DN 40) SRI-7RS



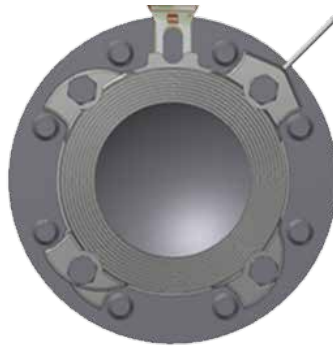
2" (DN 50) SRI-7RS



3" (DN 80) SRI-7RS*



4" (DN 100) SRI-7RS*



6" (DN 150) SRI-7RS



8" (DN 200) SRI-7RS



* 3" (DN 80), 4" (DN 100) and 8" (DN 200) not suitable for use with JIS 10 flanges.



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