

S90-7R™ Pre-Assembled Insert Safety Head

The S90-7R™ locates inside the studs between two companion flanges. Pre-Assembled safety heads provide for placement of a rupture disk within its holder before presentation to the installation point. Companion flange conditions, including parallelism and bolt torque loading determine the sealing of the rupture disk within the safety head and can influence disk function. Ensure BS&B installation instructions are followed.



Rupture disk types for use in the S90-7R™ safety head:

- Sigma, Sigma EXL
- SKR
- LPS over 15 psig (1barg)
- S-90
- RLS
- FRS
- FRL
- SRD
- SRD-L over 15psig (1barg)

S90-7R-TR™ torque resistant option available.

S90-7R™ Safety Head Dimensions

Size		Safety Head Flange Rating			Face-to-Face Dimensions	
in	mm	ANSI	DIN	JIS	in	mm
1	25	150	10/16	10/16	1.250	31.75
1	25	300/600	25/40	20/30/40	1.250	31.75
1	25	900/1500	*	*	1.750	31.75
1.5	40	150	10/16	10/16	1.250	31.75
1.5	40	300/600	25/40	20/30/40	1.250	31.75
1.5	40	900/1500	*	*	1.440	36.58
2	50	150	10/16	10/16	1.250	31.75
2	50	300/600	25/40	20/30/40	1.250	31.75
2	50	900/1500	*	*	1.625	41.15
3	80	150	10/16	10/16	1.410	34.95
3	80	300/600	25/40	20/30/40	1.500	38.10
3	80	900	*	*	1.750	44.45
4	100	150	10/16	10/16	1.720	43.66
4	100	300	25/40	20/30/40	1.720	43.66
4	100	600	*	*	1.720	43.66
6	150	150	10/16	10/16	2.500	63.50
6	150	300	25/40	20/30/40	2.500	63.50
6	150	600	*	*	3.125	79.37
8	200	150	*	*	3.375	85.73
8	200	300	*	*	3.375	85.73
10	250	150	*	*	6.000	152.40
10	250	300	*	*	6.000	152.40
12	300	150	*	*	4.560	144.48
12	300	300	*	*	5.500	139.70
14	350	150	*	*	5.625	142.88
14	350	300	*	*	5.625	142.88
16	400	150	*	*	6.375	161.93
16	400	300	*	*	7.125	180.98
18	450	150	*	*	7.500	190.50
18	450	300	*	*	7.500	190.50
20	500	150	*	*	6.250	158.75
20	500	300	*	*	8.625	219.08
24	600	150	*	*	7.000	177.80
24	600	300	*	*	7.750	196.85
30*	750	-	*	*	12.000	304.80
36*	900	-	*	*	15.000	381.00

*Applicable to ASME Series A

Contact BS&B for other sizes, ratings, or face-to-face dimensions.