

INSERT

INSERT RUPTURE DISC HOLDER

OsecoElfab's Insert Holder is designed to bolt between standard ANSI flanges and fits within the bolt circle.



The OsecoElfab Insert Rupture Disc Holder is a reduced diameter, flat-faced flange assembly that bolts between standard ANSI pipe flanges and fits within the bolt circle.

This holder allows the rupture disc to be pre-assembled to ensure it is properly seated before installation into the pressure systems.

Insert Holders are available in standard ANSI flange ratings up to 42" and are offered in three seating arrangements. The type of rupture disc to be used determines which seating arrangement to specify.

The PRDI and FRDI holders are also available with extended heights for fixed piping applications and safety relief valve protection.

Sizes

1" - 42" / 25mm - 1050mm

Seating Arrangements:

- FRDI (flat seat) - for use with the FAS, F(CO) and (F)STD
- PRDI (flat seat) - for use with the PRO+KRGL, PCR and PLR
- RDI (30° angular seat) - for use with the STD and CO

Common Applications

- Safety Relief Valve Isolation
- Flanged Piping Systems

**Let us help you with all
your pressure relief questions.**

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**REQUEST A QUOTE FOR
THE INSERT HOLDER**



TECHNICAL SPECIFICATIONS



Size range	1"-42" / 25-1050mm
Standard materials	316 Series Stainless Steel, Carbon Steel (others available on request)
Seating arrangements*	FRDI, PRDI, RDI
Design options	Extended heights available for fixed piping application or PSV protection
Relief Valve Isolation	Suitable for safety relief valve isolation
Design Standards	Designed to meet ASME standards

**The type of rupture disc to be used determines which seating arrangement to specify*

Certifications

ASME UD
CRN
PED 2104/68/EU
China SELO

Related Products

Rupture Discs

FAS
PRO+KRGL
STD
(F)STD
F(CO)
PCR
PLR
CO

Sensors

AMS

One Piece Unit

Oseco Safety
Cartridge

RDI, FRDI and PRDI: Insert Dimensional Data



SIZE		ANSI RATING	O.D. (inches / mm)	OVERALL HEIGHT** (inches / mm)		
inches	DN (mm)			RDI	FRDI	PRDI
1	25	150	2.5 / 63.5	1.62 / 41.2	1.62 / 41.2	1.75 / 44.45
1	25	300/600	2.75 / 69.9	1.62 / 41.2	1.62 / 41.2	1.75 / 44.45
1.5	40	150	3.25 / 82.55	1.62 / 41.2	1.62 / 41.2	1.75 / 44.45
1.5	40	300/600	3.62 / 92.0	1.62 / 41.2	1.62 / 41.2	1.75 / 44.45
2	50	150	4.0 / 101.6	1.75 / 44.45	1.62 / 41.2	1.75 / 44.45
2	50	300/600	4.25 / 108.0	1.75 / 44.45	1.62 / 41.2	1.75 / 44.45
3	80	150	5.25 / 133.4	1.75 / 44.45	1.62 / 41.2	1.93 / 49.0
3	80	300/600	5.75 / 146.1	1.75 / 44.45	1.62 / 41.2	1.93 / 49.0
4	100	150	6.75 / 171.5	1.75 / 44.45	1.87 / 47.5	2.31 / 58.7
4	100	300	7.0 / 177.8	2.25 / 57.2	1.87 / 47.5	2.31 / 58.7
6	150	150	8.62 / 219.0	2.25 / 57.2	2.5 / 63.5	2.31 / 58.7
6	150	300	9.75 / 247.7	2.25 / 57.2	2.5 / 63.5	2.31 / 58.7
8	200	150	10.87 / 276.1	2.31* / 58.7*	2.87 / 72.9	3.43 / 87.1
10	250	150	13.25 / 336.6	2.43* / 61.7*	3.12 / 79.3	n/a
12	300	150	16.0 / 406.4	2.62* / 66.6*	3.62 / 92.0	n/a
14	350	150	17.63 / 447.8	n/a	4.125 / 104.8	n/a
16	400	150	20.13 / 511.3	n/a	5.125 / 130.2	n/a
18	450	150	21.5 / 546.1	n/a	5.125 / 130.2	n/a
24	600	150	28.12 / 714.3	n/a	6.875 / 174.6	n/a

*Disc crown height may protrude beyond the rupture disc holder outlet. Consult factory.

**Extended height holders available or fixed piping applications or safety relief valve protection. Consult factory.