

# INSERT

## INSERT RUPTURE DISC HOLDER

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



**FRDI**



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 over a metre, 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

25mm - 1050mm / 1" - 42"

### 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	25-1050mm / 1"-42"
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 for fixed piping applications or safety relief valve protection. Consult factory.