

PRO+ RUPTURE DISK

The Oseco PRO+ (Precision Reverse-Operating) Rupture Disk is designed and manufactured for high performance and demanding rupture disk applications. The PRO+ is a fully opening perimeter-scored design, thanks to the precision scoring delivered by Oseco's unique computerized load cell technology. This process yields a high-performance disk to withstand the most difficult applications, even in corrosion-resistant materials such as Hastelloy® C-276.

The PRO+ is ideally suited for a variety of applications with a broad range of burst pressures from 8 to 1000 psig.

The PRO+ is Oseco's high-performance rupture disk for demanding applications.



Oseco PRO+ Rupture Disk

- Sizes 1" through 4" standard with 6" and 8" available upon special request.
- Standard materials of construction: Hastelloy® C-276, 316 Stainless Steel, Nickel-200/201, Inconel®-600, and Monel®-400.
- Operates to 95% of requested burst pressure above 40 psig. Minimum tolerance 95% at and below 40 psig.
- Burst tolerance of +/-4% above 40 psig. Burst tolerance of +/-2 psig at and below 40 psig.
- Well suited for high cycling applications.
- 0% Manufacturing range standard.
- Excellent for gas or liquid service applications.
- Smooth surface on process side to minimize product buildup.
- Non-fragmenting design.
- Elevated temperatures up to 900° F.
- Non-torque-sensitive when used in OSECO PRDI holder.
- Withstands full vacuum (14.7 psi) without separate vacuum support.
- Offers 3-D tag on disk and locating pin in PRDI holder to verify correct installation.
- Ideal for safety relief valve isolation. (see Table 1)
- Fluoropolymer liner available on process side. (PRO+L)

TABLE 1
PRDI Insert Rupture Disk Holder Dimensional Data

Size (in)	ANSI Rating	Standard PRDI Height	PRDI Height for Safety Relief Valve Isolation
1	150	1.75	1.75
1.5	150	1.75	2.75
2	150	1.75	3.00
3	150	1.93	3.94
4	150	2.31	5.63

TABLE 2
PRO+ Minimum / Maximum Burst Pressure (at 72° F)

Nominal Size (in)	316 max 900° F		INC-600 max 900° F		NI-200/201 max 750° F		MON max 800° F		HAST C-276* max 900° F	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
1	30	1000	30	1000	22	1000	21	1000	29	1000
1.5	15	1000	15	1000	14	1000	14	1000	23	1000
2	9	750	9	750	8	750	8	750	9	750
3	9	500	9	500	8	500	8	500	9	500
4	9	500	9	500	8	500	8	500	9	500

* Hastelloy® C-276 requires special pricing