



## TECHNICAL DATASHEET

# HIA/HRA Holders

## Ensuring Maximum Reliability for Rupture Discs

HIA/HRA holders are specifically designed to ensure maximum reliability, optimize flow (due to optimal opening of rupture discs), assure proper orientation in piping system, provide a tight seal, and prevent fragmentation of DonadonSDD rupture disc.

Typically, a bursting disc holder is a two-piece unit consisting of a base flange (inlet) and a holddown flange (outlet). The face of the holder is machined to hold the bursting disc and forms a leak-tight metal-to-metal seal.

This prevents the rupture disc from being damaged and allows unlimited inspection scenarios (temporary removal of the rupture disc for visual inspection). These holders are mounted between flanges and offer various features for optimal performance.

### Keyfeatures & technical benefits

- Internal diameter sized to allow full opening of the disc and total transmission on the minimal discharge area.
- External tangent diameter to the bolts for easy centring between flanges.
- Double milled groove design prevents incorrect installation of rupture discs.
- HRA holders protect the disc dome of reverse acting discs, such as models SCR, Y90, and KR D.
- Two stainless steel assembly sideclips included for easy handling.
- The flow arrows on the holder and rupture disc tags confirm proper flow direction.
- Reduced surface finish between 125 and 250 microinches (3,2 to 6,3 micrometres) is available on request.
- Tongue/Groove face finishing (according to DIN EN 1092-1) available on request
- Gauge tap connection (1/4" or 1/2") NPT are available on request.

### Why Choose DonadonSDD?

- Our holders are customizable and can be manufactured to comply with a comprehensive range of international flange standards, including but not limited to EN 1092-1 (European Standard), ASME (American Society of Mechanical Engineers), ANSI (American National Standards Institute), BS (British Standards), AS (Australian Standards), SABS (South African Bureau of Standards), and JIS (Japanese Industrial Standards). This ensures our products meet the diverse and specific requirements of our customers.
- Holders can be tailored to contain the entire petal/s at the disc opening, ensuring optimal performance (recommended when installed directly under relief valves).
- O-ring options are available to offer improved leakage performance for high-integrity applications, such as those involving hydrogen or in the nuclear field.
- Available in a wide range of standard sizes, configurations, and materials (carbon steel, 316L and 304 stainless steel, alloy 201, alloy 400, alloy 625, alloy C276, and more).
- Special treatments like PFA coating are available, offering excellent chemical resistance and non-stick properties.

### TECHNICAL DATA

Type	HIA	HRA
Disc Compatibility List	<a href="#">DCD</a> , <a href="#">LPD</a> , <a href="#">SCD</a> , <a href="#">GR</a>	<a href="#">SCR</a> , <a href="#">Y90</a> , <a href="#">KR D</a>
Dimensions	From DN15 (1/2 inch) to DN1000 (40 inches)	
Accessories	Nipples, T connectors, excess flow valve, pressure gauge	