



## TECHNICAL DATASHEET SCD Rupture Discs for SF6 application

DonadonSDD's SCD forward acting rupture discs are vital safety devices that prevent sudden pressure variations from damaging industrial plants. Forward acting rupture discs have a concave disc camber that remains unaltered under operating pressure until set pressure is reached and this can ensure long service life. DonadonSDD's SCD rupture discs provide reliable and precise protection in the most various and demanding applications, making DonadonSDD SCD rupture discs the best choice for your plant's safety. Our SCD Rupture Discs can be specifically designed to protect gas insulated systems from pressure surges and contain SF6 gas.

### Keyfeatures & technical benefits

#### Advanced Technology:

SCD rupture discs obtained using our patented Laser NS NanoScored technology is a compression-loaded forward-acting discs with micro-scored calibrated sections opening in petals, reducing the risk of petal detachment.

#### Reliable Performance:

Withstands thousands of cycles without compromising their reliability, with ratios up to 85% between operating and rupture pressure.

#### Rapid Rupture:

Discs react to excessive pressure in a few milliseconds with full opening along petals lines scored on the downstream side of the disc.




#### High Bursting Pressure:

Especially suitable for high bursting pressure; can be used in cycling and pulsating conditions without reduction of safety margins.

### Why Choose DonadonSDD SCD Rupture Discs?

- DonadonSDD's SCD Rupture Discs are certified to the highest safety standards, providing reliable protection for your industrial plant.
- Our SF6 discs are designed for direct installation in the equipment within customer-specific flanges.
- Vacuum Resistance: Does not require vacuum support, avoiding restrictions in the discharge area. Superior leak tightness when coupled with an O-ring.

#### PERFORMANCE ATTRIBUTES

Operation Ratio	Non Fragmenting	Vacuum Resistant	Sanitary	Liquid	Vapor/Gas
					
up to 85%	yes	yes	no	no	yes

#### PROCESS MEDIA

#### CERTIFICATIONS

