

Flanged bursting discs

Benefits

- Individual product specification for material, pressure and dimension
- Low space requirements during installation
- High tightness of bursting disc and coupling
- Accurate test methods guarantee the bursting pressure

Description

Flanged bursting discs are the ideal solution when pressurised systems need to be secured. Their low spatial requirements and fully metallic sealing surfaces are their stand-out characteristics.

Flanged bursting discs with small nominal widths are a speciality of Berstscheiben Schlesinger GmbH. We offer our customers very small as well as very large series, covering a multitude of different materials, pressures and dimensions.

The thin foils allow us to manufacture bursting discs for low pressures from 10 bar upwards - ideal for use in low-pressure applications.

We subject our bursting discs to a 100% inspection, ensure the correct material strength of the foil and thus guarantee the burst pressure required.



Flanged bursting disc



Flanged bursting disc in coupling

Installation

Flanged bursting discs can be used in valves and can also protect containers and plants against excessive overpressure.

We are able to make the ideal bursting disc for almost any type of coupling. We also offer the corresponding coupling for it.

Function

The bursting disc tears in the event of a system failure at the predetermined pressure, the medium can escape in a controlled manner and containers and plants remain undamaged.

Technical data

General remarks

Media	gas, steam, liquid
Temperature range	-80°C to 450°C
Tolerance of burst pressure	± 10 %

Burst pressure [bar]

Material	Min.	Max.
nickel	10	400
stainless steel	30	400
aluminium	5	400

Certifications

CE marking according to Directive 2014/68 EU

QM-system according to ISO 9001:2015

Standard nominal size*

Outside Ø [mm]	7	8.5	10	12.5	13.9	18	21
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*Special size on request

Standard thread*

Metrical threads	M 8	M10	M12		
BSP	G 1/4"	G 3/8"	G 1/2"	G 3/4"	G 1"
UNF	7/16" – 20 UNF	1/2" – 20 UNF			

*Special size on request