BERSTSCHEIBEN
SCHLESINGER® GmbH
QUALITY SINCE 1912

BURSTING DISCS

www.schlesinger-gmbh.de

Berstscheiben Schlesinger GmbH in changing times

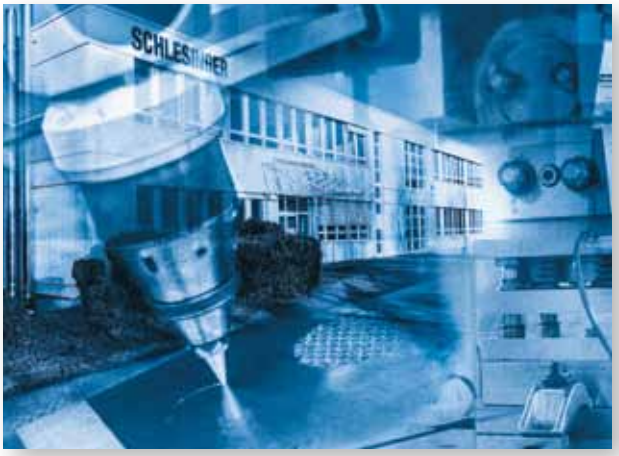
Berstscheiben Schlesinger GmbH in changing times

Berstscheiben Schlesinger GmbH is a family-owned company with a long tradition. The company was established in Lüdenscheid over 100 years ago, specialising in the processing of thin sheets and foils as well as in tool construction.

Today we are a modern, export-orientated company specialising in the production of safety parts. We make all our products at our head office in Schalksmühle, carefully test and document them and subsequently send them all over the world.

Our production is based on modern laser and punching technology, advanced measuring technology and our own tool construction facility.

We combine our family tradition with technical change and flexibility. The transfer of leadership responsibility to the young generation has already been initiated, therefore we will also be competent problem solvers for our customers in the future.



Quality Managment

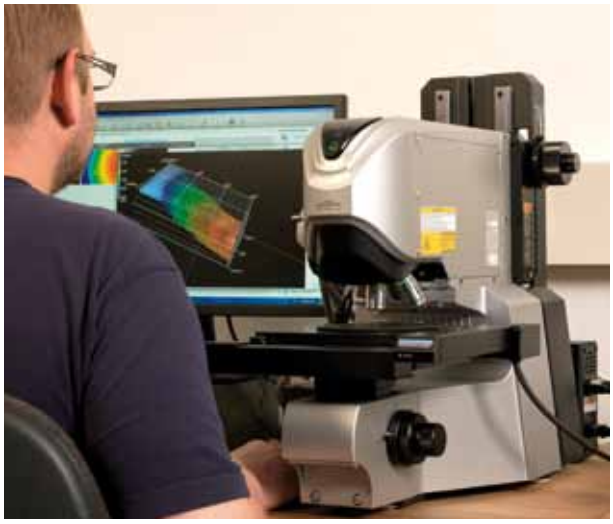
Traceability from purchasing to delivery

Bursting discs are a matter of trust. It is thus particularly important to maintain a comprehensive control and documentation system from the purchase of the raw material to the decisive bursting tests.

We guarantee that: the production of each of our parts can be fully traced and their function is proven by meaningful tests. We maintain an extensive quality management system with trained staff and the latest measuring tools for this purpose.

Much more than just bursting discs.

A rolling stone gathers no moss. We therefore have our production methods and standards continuously reviewed by third party inspectors. We have been certified according to DIN EN ISO 9001 since 1994 and according to ASME BPVC. VIII.1, the ATEX Directive 2014/34/EU, EAC and IECEx since 2018. Berstscheiben Schlesinger places great emphasis on the protection of natural resources and responsible handling of environmentally harmful operating materials. Certification of our environmental management according to DIN EN ISO 14001 is therefore in line with our previous actions. In order



to satisfy our Eurasian customer's needs regarding their demands for highest quality standards we achieved the EAC Certification.

Our top priority?! Customer satisfaction!

Our customers have trusted our advice and our products for many years and source their safety components for airbags, fire extinguishers, chemical tanks, high-performance batteries and ultra-pure gas systems from us. Our bursting discs are also used in various pharmaceutical, energy production and food technology systems.

Different bursting discs for different applications

The great variety of our bursting discs covers various fields of applications

Chemical industry

Plant constrution

Pharmaceutical industry

Petroleum / Gas

Food industry

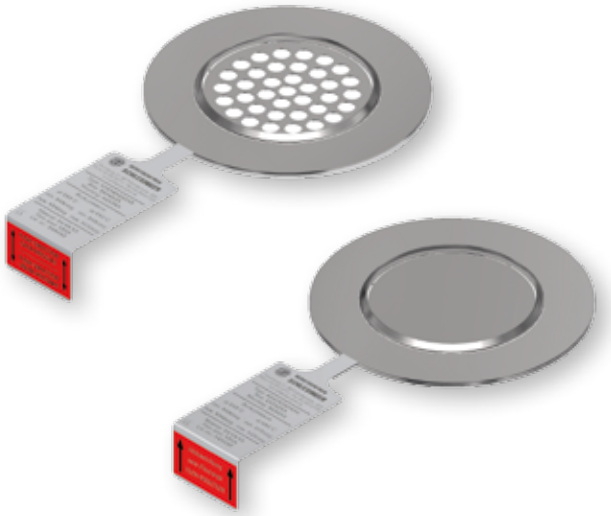
Power generation

Our main products

For protecting your pressure equipment

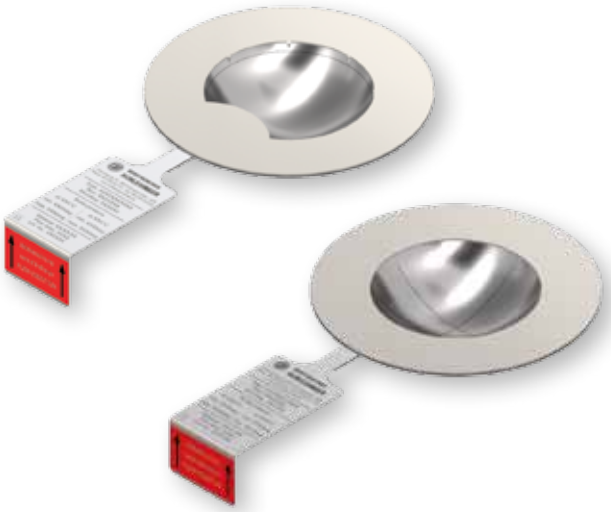
Composite bursting discs

Due to their construction, our composite bursting discs are ideal for use at low to medium bursting pressures. Using the latest lasers, we cut special patterns into foils of stainless steel, nickel, nickel-based materials or tantalum with the highest precision and can predetermine the exact bursting pressures.
We manufacture composite bursting discs in two versions: as bursting discs for overpressure or underpressure and as bi-directional bursting discs.
We offer our composite bursting discs with PTFE coating for clamp connections in the pharmaceutical sector.



Reverse buckling bursting discs

Our reverse buckling bursting discs are scored full-metal discs. Their function follows the principle of Euler‘s buckling pin: Reverse buckling bursting discs are convex against the direction of the pressure. On reaching the bursting pressure, the dome collapses and simultaneously tears at a predetermined, scored breaking point. Their special design makes them very resistant against high operating pressures and alternating pressure loads as well as high operating temperatures.
We provide reverse buckling bursting discs in three versions: with a cross-scored dome (Type Ux) with a round-scored dome (Type U) or a score-free dome (Type Um). Reverse buckling bursting discs have to be mounted into a holder.



Rupture discs, Type Bk

Our rupture discs of Type „Bk“ are available in a standard and a cross-scored version, as full metal components. They are mainly used in processes with high operating temperatures and considerable pressure fluctuations. The score is located on the non-pressure side, while the process-facing side has a smooth surface to prevent adherence of the medium. Due to its cross-scoring, our rupture disc requires only half the nominal diameter to open and can thus be installed in a very small space.

Product overview

Design and mode of action	Typ	Brief description	DN	Burst pressur**	Material	Properties
Composite Bursting Discs multi-layer, fragment-free, opening, no holder required	Ck…-06	conventional domed composite bursting disc with vacuum support	250 - 800 10“ - 32“	0,10 barg to 40 barg	Stainless steel Hastelloy® Inconel® Nickel Tantalum PTFE	Operating ratio: 85-90%* Media: gas, steam, liquid Mounting: between flanges
	C…-05/05V	flat composite bursting disc vacuum resistant without vacuum support for burst pressures exceeding 2 barg	15 - 900 1/2“ - 36“	0,020 barg to 40 barg	Stainless steel Hastelloy® Inconel® Nickel Tantalum PTFE	Optional: PTFE coating Operating ratio: 85-90%* Media: gas, steam, liquid Mounting: between flanges
	C…-06	flat composite bursting disc with vacuum support for burst pressures below 2 barg	15 - 400 1/2“ -16“	0,020 barg to 40 barg	Stainless steel Hastelloy® Inconel® Nickel Tantalum PTFE	Operating ratio: 85-90%* Media: gas, steam, liquid Mounting: between flanges
	C…d/u	flat composite bursting disc bi-directional opening or opening in vacuum	15 - 900 1/2“ - 36“	0,020 barg to 10 barg	Stainless steel Hastelloy® Inconel® Nickel Tantalum PTFE	Operating ratio: 85-90%* Media: gas, steam, liquid Mounting: between flanges
	C…sis	flat composite bursting disc with integrated burst surveillance	15 - 900 1/2“ - 36“	0,020 barg to 40 barg	Stainless steel Hastelloy® Inconel® Nickel Tantalum, PTFE	Vacuum resistant upon request Operating ratio: 85-90%* Media: gas, steam, liquid Mounting: between flanges
Reverse Buckling Bursting Discs solid metal construction, fragment-free opening, vacuum resistant	U…/ Ux…	reverse buckling bursting disc circular-score (type U) or x-shaped score (type Ux) domed against pressure when exceeding the burst pressure the dome reverses and ruptures along the scoring	15 - 200 1/2“ - 8“	1 barg to 120 barg	Stainless steel Hastelloy® Inconel®	Operating ratio: 90-95%* Media: gas, steam Mounting: holder required Excellent resistance to cycling loads and high temperature
	Um…	reverse buckling bursting disc without scoring with cutting device domed against pressure when exceeding the burst pressure the dome reverses and opens fragment-free along the cutting device	15 - 200 1/2“ - 8“	1 barg to 120 barg	Stainless steel	Operating ratio: 90-95%* Media: gas, steam Mounting: holder required Excellent resistance to alternating loads and high temperature
Rupture Discs solid metal construction, no holder required	B…	flat rupture disc without scoring if the yield point of the material is exceeded the disc ruptures	15 - 200 1/2“ - 8“	5 barg to 120 barg	Stainless steel Hastelloy® Inconel® Nickel Tantalum	Operating ratio: 80-90%* Media: gas, steam, liquid Mounting: between flanges Suitable for very high temperature
	Bk…	conventional domed rupture disc x-shaped score fragment-free opening	25 - 200 1“ - 8“	5 barg to 120 barg	Stainless steel Hastelloy® Inconel® Nickel Tantalum	Operating ratio: 85-90%* Media: gas, steam, liquid Mounting: between flanges Suitable for very high temperature

*Hastelloy and Inconel are registered trade names

* in relation to the minimum burst pressure
** dependent on the size and temperature

Composite Bursting Discs for overpressure and vacuum protection

Design	flat design, laser scored multi-layer fragment-free opening
Media	gas, steam, liquid
Temperature range	-80°C to +200°C above +200°C exclusively available with metal sealing layer (will then cause fragments)
Tolerance of burst pressure	above 0,1 barg: ± 10% below 0,1 barg: ± 10 mbar ± 5% upon requesst
Dimensions	
DN	15 to 900
Inch	1/2“ to 36“
Bursting disc materials	
Stainless steel	standard application
Nickel	for lowest pressures
Inconel®	for high temperatures
Hastelloy®	esp. corrosion-resistant
Tantal	extremely resistant to corrosion
Sealing materials	
PTFE	standard seal
Klingersil® C4400	for high temperatures
Graphit	for very high temperatures
Additional accessories	
	Membrane Signal Detector Inductive Signal Detector Wire Break Detector Magnetic Signal Detector Optical Signal Detector

*Hastelloy, Inconel and Klingersil are registered trade names

Technical data

DN	Min. burst pressure in barg at 20°C	Min. free cross section* in mm²
15	0,3	113
25	0,3	380
40	0,2	907
50	0,1	1452
65	0,1	2375
80	0,08	3848
100	0,05	6361
125	0,04	9503
150	0,03	15393
200	0,02	22698
250	0,02	41547
300	0,02	57255
350	0,02	70685
400	0,02	101787
500	0,02	173494
600	0,02	237582
700	0,02	331830
800	0,02	441786

*minimum

Bi-directional Composite Bursting Discs

Design	flat design, laser scored, multi-layer, fragment-free opening
Media	gas, steam, liquid
Temperature range	-80°C to +200°C above +200°C exclusively available with metal sealing foil (will then cause fragments)
Tolerance of burst pressure	above 0,1 barg: ± 10% below 0,1 barg: ± 10 mbar ± 5% upon request
Dimensions	
DN	15 to 900
Inch	1/2“ to 36“
Bursting disc materials	
Stainless steel	standard application
Nickel	for lowest pressures
Inconel®	for high temperatures
Hastelloy®	esp. corrosion-resistant
Tantalum	extremely resistant to corrosion
Sealing materials	
Klingersil® C4400	standard seal
Graphit	for very high temperatures
Additional accessories	
	Membrane Signal Detector Inductive Signal Detector Wire Break Detector Magnetic Signal Detector Optical Signal Detector

*Hastelloy, Inconel and Klingersil are registered trade names

Technical data

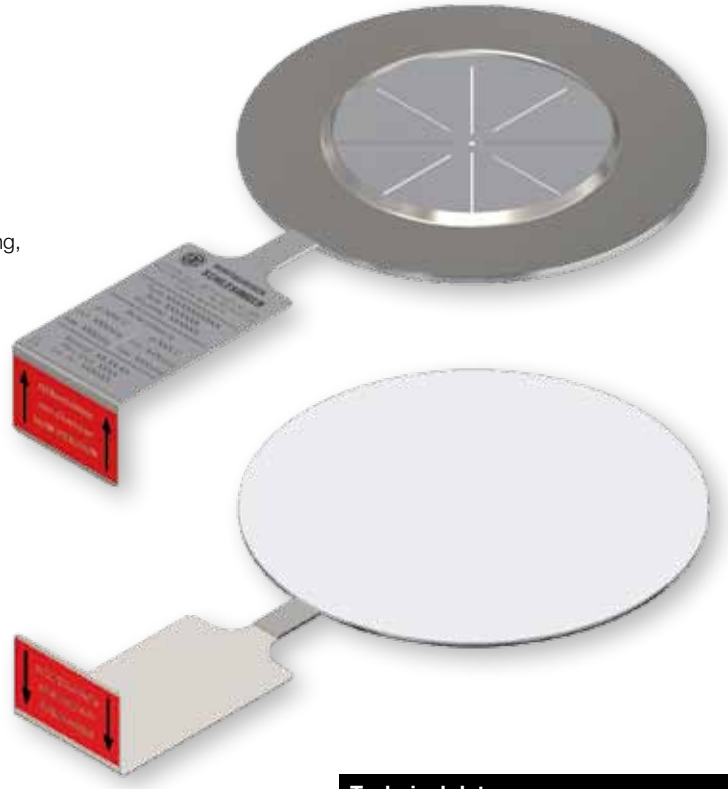
DN	Min. burst pressure in barg at 20°C	Min free cross section* in mm²	
		overpressure	underpressure
25	± 0,3	415	140
40	± 0,2	1075	464
50	± 0,1	1661	726
65	± 0,1	2642	876
80	± 0,08	4536	1859
100	± 0,05	6792	2591
125	± 0,04	11310	5183
150	± 0,03	16741	7439
200	± 0,02	29235	13043
250	± 0,02	48305	22782
300	± 0,02	67886	35598
350	± 0,02	85529	46495
400	± 0,02	113411	58845
500	± 0,02	188574	97756
600	± 0,02	264207	150645
700	± 0,02	363168	205045
800	± 0,02	477836	279089

*minimum

Coated Composite Bursting Discs

Design	flat design, laser scored, multi-layer, fragment-free opening, PTFE coating on medium side
Media	gas, steam, liquid
Temperature range	-80°C bis +175°C
Tolerance of burst pressure	± 10% ± 5% upon request
Dimensions	
DN	25 bis 900
Inch	1“ bis 36“
Bursting disc materials	
Stainless steel	standard application
	special material upon request
Sealing materials	
PTFE	standard seal
Additional accessories	
	Holder with PTFE Inlay
	Signalling device upon request
Coating	
	PTFE
	PFA

*Klingersil is a registered trade name



Technical data

DN	Min. burst pressure in barg bei 20°C	Min. free cross section in mm²
25	3,5	452
40	2,2	1134
50	2,5	1809
65*	2,0	2922
80*	2,0	4778
100*	2,0	6939
125*	2,0	10935
150*	2,0	17203
>200*	2,0	28952

*lower burst pressures upon request

Domed Composite Bursting Discs

Design	domed design, laser scored, multi-layer, full vacuum resistant, fragment-free opening
Media	gas, steam, liquid
Temperature range	-80°C to +200°C above +200°C exclusively available with metal sealing foil (will then cause fragments)
Tolerance of burst pressure	above 0,1 barg: ± 10% below 0,1 barg: ± 10 mbar ± 5% upon request
Dimensions	
DN	250 bis 800
Inch	10“ bis 32“
Bursting disc materials	
Stainless steel	standard application
Nickel	for lowest pressures
Inconel®	for high temperatures
Hastelloy®	esp. corrosion-resistant
Sealing materials	
Klingersil® C4400	standard seal
Graphite	for very high temperatures
Additional accessories	
	Membrane Signal Detector Inductive Signal Detector Wire Break Detector Magnetic Signal Detector Optical Signal Detector

*Hastelloy, Inconel and Klingersil are registered trade names

Technical data

DN	Min. burst pressure in barg at 20°C	Min. free cross section in mm²
250	0,1	41547
300	0,1	57255
350	0,1	70685
400	0,3	101787
500	0,25	166190
600	0,1	237582
700	0,1	331830
800	0,1	418538

Rupture Discs

Design	full metal, laser scored, domed to atmosphere (typ Bk) or flat design (typ B)
Media	gas, steam, liquid
Temperature range	- 196°C bis + 550°C
Tolerance of burst pressure	± 10 % ± 5 % upon request
Dimensions	
DN	20 bis 200
Inch	3/4“ bis 8“
Bursting disc materials	
Stainless steel	standard application
Nickel	for lowest pressures
Inconel®	for high temperatures
Hastelloy®	esp. corrosion-resistant
Tantalum	extremely resistant to corrosion
Sealing materials	
Klingersil® C4400	standard seal
Graphit	for very high temperatures
Additional accessories	
	Membrane Signal Detector Inductive Signal Detector Wire Break Detector Magnetic Signal Detector Optical Signal Detector

*Hastelloy, Inconel and Klingersil are registered trade names

Technical data

DN	Min. burst pressure in barg bei 20°C	Min free cross section in mm²
20	20	215
25	15	385
32	15	650
40	10	900
50	10	1450
65	10	2400
80	5	3900
100	5	6350
125	5	9503
150	5	10500
200	5	15500

Reverse Buckling Bursting Discs

Design	full metal, laser scored, domed to pressure side
Media	gas, steam, liquid (gas cushion required)
Temperature range	-196°C to +550°C
Tolerance of burst pressure	± 10% ± 5% upon request
Dimensions	
DN	15 to 200
Inch	1/2“ to 8“
Bursting disc materials	
Stainless steel	standard application
Nickel	for lowest pressures
Inconel®	for high temperatures
Hastelloy®	esp. corrosion-resistant
Tantalum	extremely resistant to corrosion
sealing materials	
Klingersil® C4400	standard seal
Graphit	for very high temperatures
Additional accessories	
	Membrane Signal Detector Inductive Signal Detector Magnetic Signal Detector Optical Signal Detector

*Hastelloy, Inconel and Klingersil are registered trade names

Technical data

DN	Min. burst pressure in barg bei 20°C	Min. free cross section in mm²
15	5	132
20	4,5	206
25	3	386
32	2,5	650
40	2,5	919
50	1	1472
65	1	2306
80	1	4141
100	1	6104
125	1	10635
150	1	15788
200	1	27227

Accessories: Holder

The best solution for every installation situation

Standard holder

Additional accessories for	Composite bursting discs Reverse buckling discs Rupture discs
Combinable with following signal detectors	Membrane Signal Detector Inductive Signal Detector Wire Break Detector Magnetic Signal Detector Optical Signal Detector
Media	gas, steam, liquid
Temperature range	-196°C to +550°C
Dimensions	
Standard	DN 15 to DN 500
Mechanical specifications	
Material	Stainless steel 1.4571
Mean roughness index (Ra)	< 0,8 µm

Bursting disc holder type BHS

Additional accessories for	Composite bursting discs Reverse buckling discs Rupture discs
Combinable with following couplings*	Clamp DIN 32676 Clamp ISO 2852 Clamp BS 4825-1 ISO-K DIN 28404 ISO-KF DIN 28403 Dairy pipe DIN 11851
Combinable with following signal detectors	Membrane Signal Detector Inductive Signal Detector Wire Break Detector Magnetic Signal Detector Optical Signal Detector
Media	gas, steam, liquid
Temperature range	-196°C to +550°C
Dimensions	
Standard	DN 25 to DN 100
Mechanical specifications	
Material	Stainless steel 1.4404
Mean roughness index (Ra)	< 0,8 µm
Additional certification	Certified welding according to pressure equipment directive 2014/68/EU

* combination with other couplings possible upon request

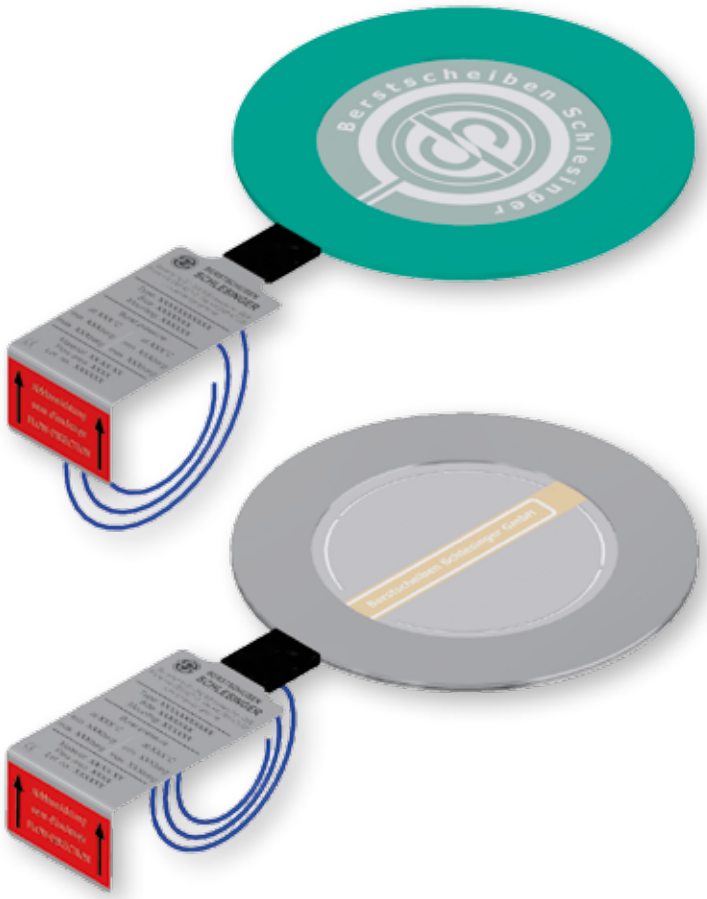
Bursting disc accessories for additional safety

Burst surveillance

We also offer our bursting discs with an integrated or separately available burst detection for optimal monitoring of your processes.

If the operating pressure exceeds the permitted value, the bursting disc tears and the pressure is released.

The burst detector registers the response of the bursting disc and reports this to the process control system - with high accuracy and without delay. This safety device ensures that any pressure exceeding the permissible range is immediately detected even in automated processes, so that the necessary steps can be taken.

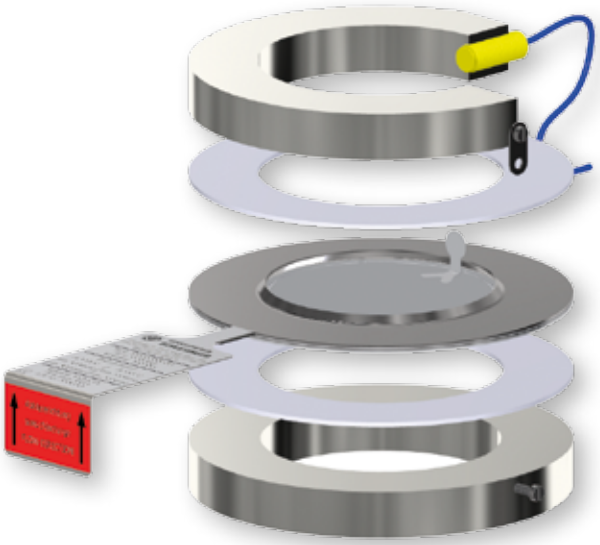


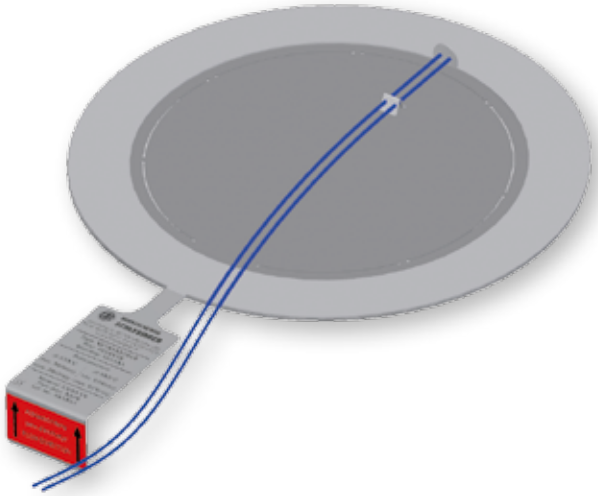
Membrane Signal Detector

Additional accessories for	Composite bursting discs Reverse buckling discs Rupture discs
Media	gas, steam, liquid
Temperature range	-30°C to +200°C“
Dimensions	
Burst surveillance disc shape	DN 25 to DN 200
Burst surveillance stripe shape	DN 40 to DN 800
Materials	
Membrane	PEEK-foil (Polyetheretherketon)
Circuit path	Silver
Connector cable	Teflon® coated, can be assembled on request
Sealings	Klingersil® or PTFE (optional)
Nominal ratings	
Max. current	100 mA
Max. voltage	30 V AC/DC
Max. output	1 W
Signalling pressure	Our burst surveillance is suitable for bursting discs with a burst pressure higher than 0,4 barg.
ATEX	II 2G Ex ib IIC Gb

*Klingersil and Teflon are registered trade names

Signal detector with inductive proximity switch
Wire break detector





Signal detector with inductive proximity switch

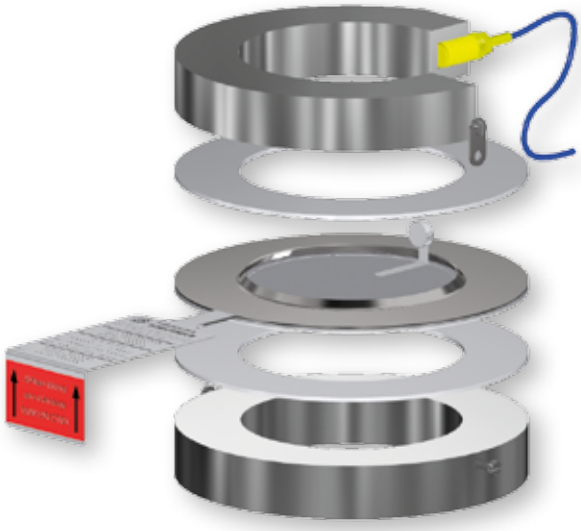
Additional accessories for	Composite bursting discs Reverse buckling discs Rupture discs
Media	gas, steam, liquid
Temperature range	-40°C to +150°C
Dimensions	from DN 15
Mechanical spezifications	
Type of connection	2 m PVC-cable
Housing material	Stainless steel, PBT
Wie cross-section	0,34 mm²
Nominal ratings	
Nominal voltage	8 V/ 10 - 60 V
Switching frequency	0 - 1500 Hz
Burst pressure	Our signal detector does not have any additional, inherent burst pressure. The burst pressure is determined by the respective bursting disc.

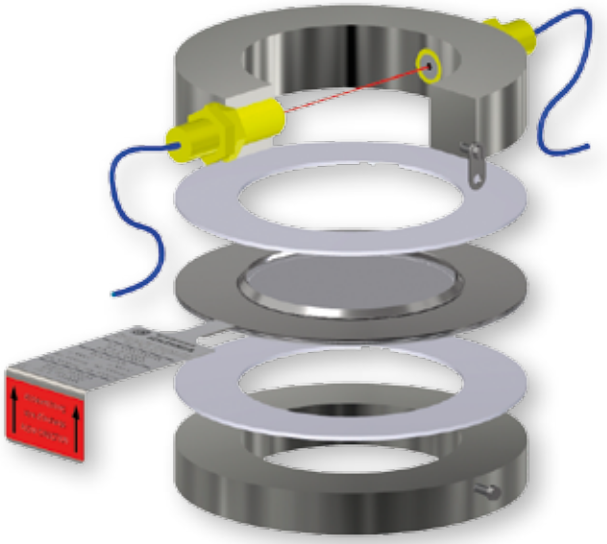
Wire break detector

Additional accessories for	Composite bursting discs Rupture discs
Media	gas, steam, liquid
Temperature range	-30°C bis +200°C
Dimensions	until DN 900
Mechanical Spezifications	
Type of connection	2 m PVC-Kabel
Wire cross-section	0,34 mm²
Nominal ratings	
Max. current	100 mA
Max. voltage	30 V AC/DC
Max. output	1 W
Burst pressure	Our wire break detector is suitable for every pressure range.
Materials	
Connector cable	Teflon® coated, can be assembled on request
	Klingersil® or PTFE (optional)

*Klingersil and Teflon are registered trade names

Magnetic signal detector
Optical signal detector





Magnetic signal detector

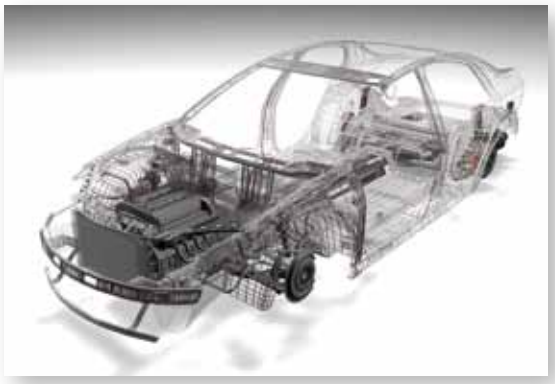
Additional accessories for	Composite bursting discs Reverse buckling discs Rupture discs
Media	gas, steam, liquid
Temperature range	-25°C bis +175°C
Dimensions	DN 25 to DN 900
Mechanical Specifications	
Type of connection	M10x1
Housing material	Stainless steel
Nominal ratings	
Max. current	30 mA
Max. voltage	16 V
Max. output	75 mW
Burst pressure	Our magnetic signal detector is suitable for every pressure range.
ATEX	II 2G Ex ib IIC T3

Optical signal detector

Additional accessories for	Composite bursting discs Reverse buckling discs Rupture discs
Media	gas, steam, liquid
Temperature range	-10°C bis +400°C
Dimensions	DN 50 to DN 900
Mechanical Specifications	
Type of connection	M12x1
Housing material	Stainless steel
Nominal ratings	
Max. current	500 mA
Max. voltage	2 V
Max. output	11,2 W
Burst pressure	Our optical signal detector is suitable for every pressure range.

Different bursting discs for different applications

The great variety of our small bursting discs, diaphragms and membranes covers various fields of applications



Automotive industry

Industrial gases

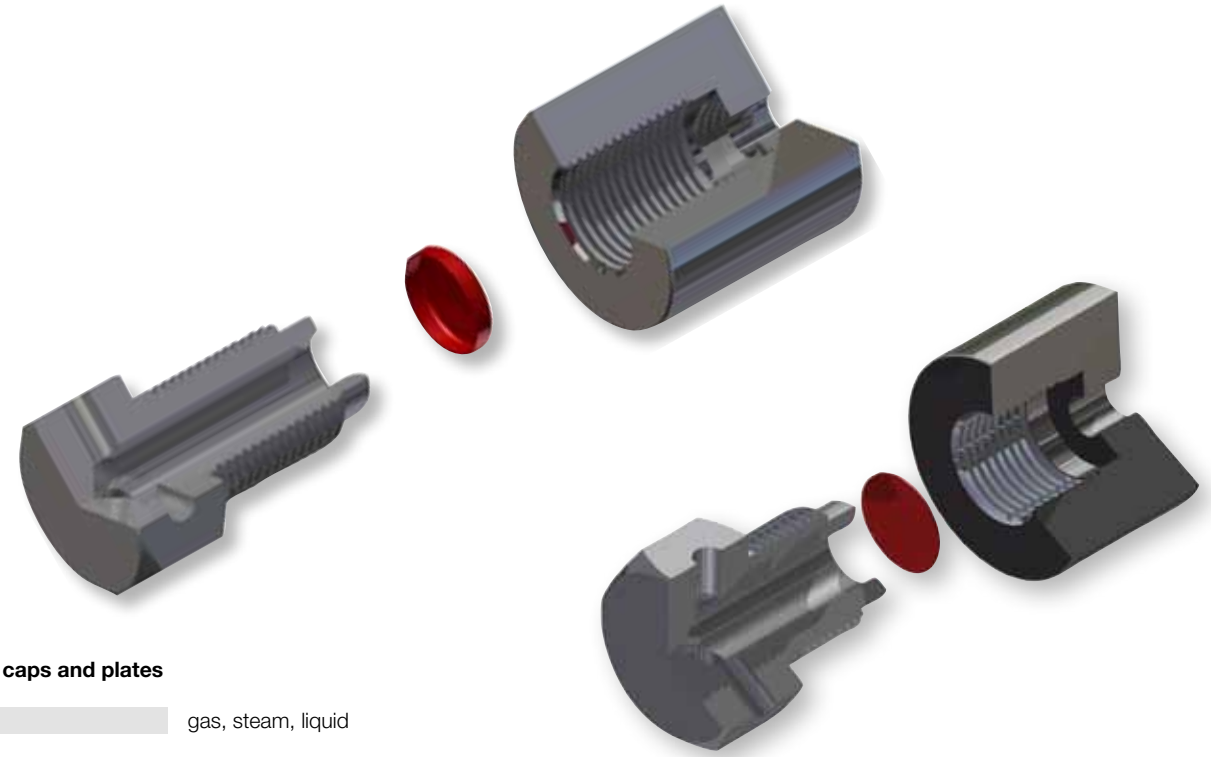
Fire-extinguisher

Plastics production

Food and beverage industry

Power generation

Bursting caps and plates



Bursting caps and plates

Media	gas, steam, liquid
Temperature range	-80°C to +450°C
Tolerance of burst pressure	± 10% ± 5% upon request

Dimensions	
Outer diameter	7,0 mm
	8,5 mm
	10,0 mm
	14,5 mm

Bursting disc materials	
	Stainless steel
	Nickel
	Inconel®
	Hasselloy®

Standard thread	
Metric thread	M8, 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

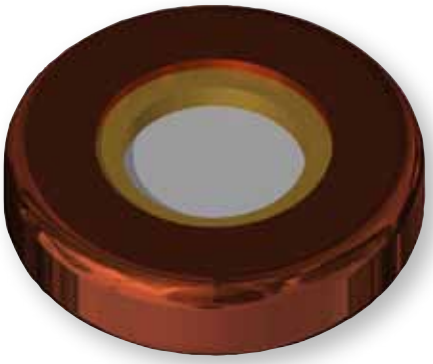
*Hastelloy and Inconel are registered trade names

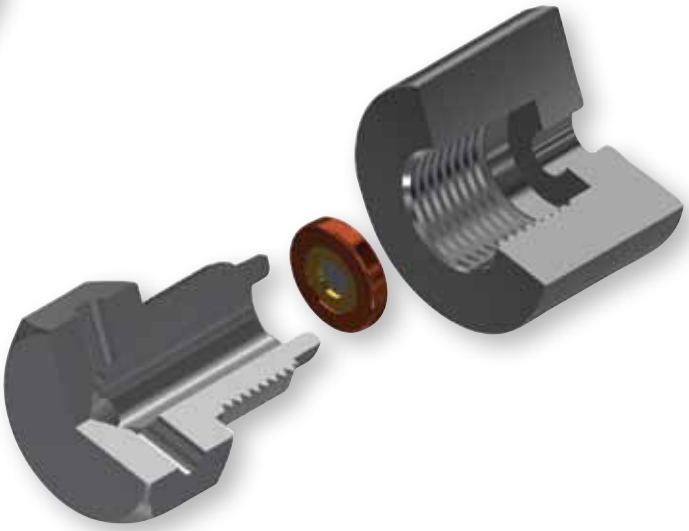
Technical data

Material*	burst pressure in barg at 20°C	
	Min.	Max.
Stainless steel	130	650
Nickel	75	500
Inconel®	75	500
Hastelloy®	130	650

*Special material upon request

Flanged bursting discs





Flanged bursting discs

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

Dimensions	
Outer diameter	7,0 mm
	8,5 mm
	10,0 mm
	12,5 mm
	13,9 mm
	18,0 mm
	21,0 mm
	24,0 mm

Bursting disc materials	
	Stainless steel
	Nickel
	Copper
	Brass
	Aluminium

Standard thread	
Metric thread	M8, 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

Technical data

Material*	burst pressure in barg at 20°C	
	Min.	Max.
Stainless steel	30	400
Nickel	10	400
Aluminium	5	400

*Special material upon request

Burst plugs

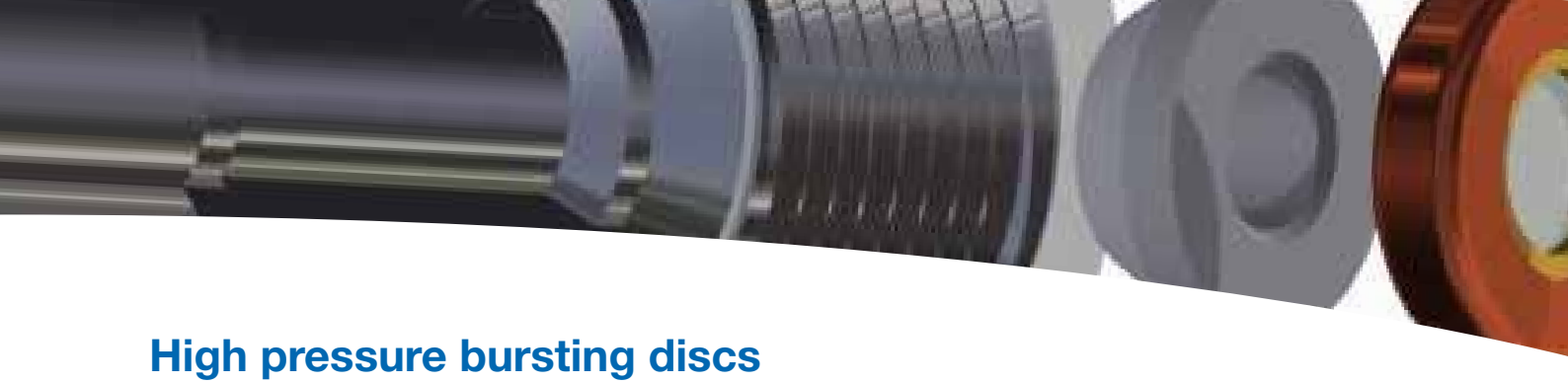
Media	gas, steam, liquid
Temperature range	-80°C to +450°C“
Tolerance of burst pressure	± 10% ± 5% upon request
Bursting disc materials	
Stainless steel	standard application
Nickel	for lowest pressures
Inconel®	for high temperatures
Hastelloy®	esp. corrosion-resistant
Titanium	extremely resistant to corrosion
Standard thread	
	Metric thread
	BSP
	UNF
Additional accessories	
	Signalling device

*Hastelloy and Inconel are registerd trade names

Technical data

Material*	Burst pressure in barg at 20°	
	Min.	Max.
Stainless steel	10	400
Nickel	5	500
Inconel®	10	2000
Hastelloy®	20	2000
Titan	5	400

*Special materials upon request



High pressure bursting discs

Design	conical or flanged
Media	gas, steam, liquid
Temperature range	-40°C to +300°C
Tolerance of burst pressure	± 10% ± 5% for burst pressure over 400 barg

Bursting disc materials

Stainless steel
Nickel
Inconel®
Hastelloy®
Monel®

Material selection depends on the burst pressure

*Hastelloy, Inconel and Monel are registered trade names

Technical data

Material*	Min. burst pressure in barg at 20°C
Stainless steel	50
Nickel	10
Inconel®	50
Hastelloy®	50
Monel®	50

*Max. burst pressure at 20°C: 5000 barg

High-purity gas bursting discs

High-purity gas bursting discs

Design	flat (typ B) domed, scored, fragment-free opening (typ U)
Media	gas, steam, liquid
Temperature range	-80°C to +450°C
Tolerance of burst pressure	± 10% ± 5% upon request

Dimensions coupling	
1/4“	12,5 mm Ø bursting disc
1/2“	20,0 mm Ø bursting disc
3/4“	29,0 mm Ø bursting disc
1“	35,0 mm Ø bursting disc

Bursting disc materials	
Stainless steel	standard application
Nickel	for lowest pressures
Inconel®	for high temperatures
Hastelloy®	esp. corrosion-resistant

Leakage rate	< 10 E-9 mbar x L / sec

*Hastelloy and Inconel are registered trade names

Technical data

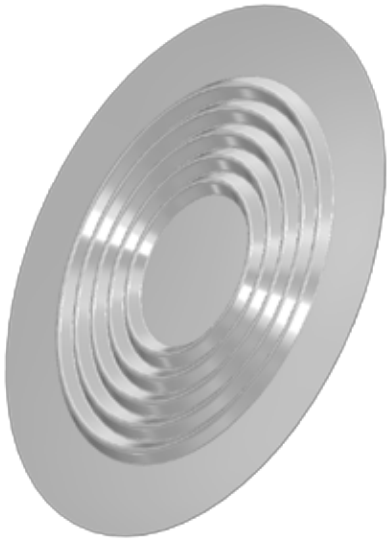
DN	Min. burst pressure in barg at 20°C		Min. free cross section [mm²]
	Nickel	Stainless steel	
1/4“	10	25	17
1/2“	5	20	23
3/4“	3	10	143
1“	2	5	283

Metallic membranes

Besides bursting discs, metallic membranes are our second product group. These components are used in pressure reducers, pressure sensors, manometers, differential pressure meters, pressure switches and similar devices.

Metallic membranes have many advantages over rubber and polymer membranes: they are corrosion and heat-resistant, they are easy to weld and they are resistant to continuous pressure. Naturally, their elastic deflection (reversible deformation) is limited.

Our expertise in processing thin foils and our experience with pressure-measuring technology ensures a high level of synergy between the two production divisions - bursting discs and membranes. Unlike bursting discs, metallic membranes do not have a bursting pressure. Their function is defined by their reversible elastic deflection when subjected to a certain pressure.



Design	corrugated or flat
Media	gas, steam, liquid
Dimensions	according to customer´s request
Membrane materials	Stainless steel Hastelloy® C276 Duratherm® Copper-beryllium Tantalum
Dimensions**	
until Ø 100 mm	standard

**larger diameters available upon request

*Hastelloy and Duratherm are registered trade names

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