

RUPTURE DISK



VERFAHRENSTECHNIK



INNOVATION. QUALITY. RELIABILITY.

STRIKO Verfahrenstechnik is a reliable partner to the industry since 1973. The company is located in Wiehl-Bomig, right in the heart of Europe. From here we advise and supply well-known companies at home and abroad. In addition to our standard program, we offer you individually tailor-made solutions.

STRIKO maintains long-standing business relations with companies of the industrial sectors:

- chemistry
- oil and gas
- plant engineering
- pharmaceutical industry
- food industry
- transport and logistics

Our high-quality products, combined with engineering services, guarantee highest plant and process

safety for your operations as a result of many years of experience of our employees as well as the specialization in design of pressure vessels according to the effective rules and standards. Product-specific parameters such as the required minimum net flow area of rupture disks, the pressure loss and mixing quality of static mixers, the heating and cooling capacity of heat exchangers as well as the separation efficiency of demisters are calculated and the results will be checked in our in-house test facilities if necessary.

The project-related design is made in 3D models from which the drawings will be derived. We are pleased to provide our products also in STEP format AP202DIS according to ISO 10303.

An extensive warehouse and flexible manufacture enable a high availability of products which are often custom-made.

RUPTURE DISK

MADE OF METAL



NEW STANDARD:

Grounding flap on every rupture disk for an equipotential!



STRIKO burst safety devices are pressure relief devices consisting of rupture disk and, according to execution, of rupture disk holder. The same can be extended by a rupture indicator system. The rupture disk is a pressurized component and reacts within very short time to critical pressure increase in the system. If the rupture disk responds, there will be opened a vent area for protecting so personnel, systems and environment.

The diverse rupture disk variants, made of metal and non-metal materials, cover a comprehensive range of nominal widths, bursting pressures and operating temperatures. Therefore, STRIKO rupture disks can guard precisely and reliably against overpressure and underpressure when being used in pressure devices such as pressure vessels, pipelines, reactors and other closed pressurized systems.

You will have always a factory-new and, above all, leak-free pressure relief device in your system because rupture disks, due to their function, must be replaced after pressure relief. This is an essential advantage over other pressure protection components which, in addition to higher leakage rates, often cause high costs concerning purchase and maintenance. A combination of rupture disk and safety relief valve is an alternative possibility.

Legal guidelines and demands on safety are absolute minimum requirements for STRIKO Verfahrenstechnik. Our claim is to give you a safe feeling every day when operating your system. Wherever pressure appliances or systems are to be protected, STRIKO burst safety devices are used reliably every day.

STRIKO BURST SAFETY DEVICES ARE CHARACTERIZED BY:

- exact response within few milliseconds
- 100 % sealing
- high-quality materials
- minimum maintenance costs
- short periods of exchange

We manufacture rupture disks of stainless steel, graphite and special materials such as tantalum, Hastelloy®* or Inconel®*

STRIKO COMPOSITE RUPTURE DISKS SERIES: SF-M / SF-MV / SF-MD

- ideal for static operating pressures
- also applicable without holder
- available with vacuum support
- available in nominal diameters up to DN 800 alternating and pulsating loads
- minimally fragmenting
- operating ratio up to 80 %

STRIKO CROSS-SCORED RUPTURE DISK SERIES: SZ-X

- applicable at higher pressures and high temperatures
- applicable as sole pressure protection or in combination with safety relief valve
- „Fail-Safe“: Incorrect installation causes the SZ-X to burst below the determined bursting pressure
- non-fragmenting bursting
- operating ratio: 90 %

STRIKO REVERSE ACTING RUPTURE DISKS SERIES: SU-R / SU-C

- ideal for alternating pressure load
- back pressure resistance: min. 1,4 times rated burst pressure
- ideal for materials tending to adherences
- can be used as stand-alone pressure protection component or in combination with a safety relief valve
- testing of safety relief valves without removing the same
- non-fragmenting bursting
- operating ratio: 90 %



RUPTURE DISK

MADE OF METAL

STRIKO ASEPTIC RUPTURE DISKS SERIES: SF-M-S / SF-MV-S SU-C-S / SU-R-S

- incl. seals for sterile applications (FDA- and USPSS-Class-VI-conform)
- flat, forward-acting or also as reverse-acting rupture disk
- applicable between clamps or NA connect
- can be combined with all STRIKO rupture indicator systems
- non-fragmenting bursting
- operating ratio: up to 90 %



STRIKO EXTRUDER RUPTURE DISKS SERIES: S-EB / S-EB-SVT

- ideal addition to active safety elements such as pressure transducers and temperature sensors use at high pressure and temperatures
- available in 3 standard lengths, further lengths on demand
- S-EB-SVT with integrated rupture indicator
- operating ratio: 80 %



STRIKO RUPTURE DISK PLUGS SERIES: S-BS / S-BM

- to be used for example in hydraulic systems
- application-specific and customized design
- flexible pressure protection of individual components
- low leaking rate meets highest tightness requirements
- easy and quick installation or exchange
- threads: 1", ¾", ½", ¼" - further on demand
- operating ratio: up to 80 %



RUPTURE DISK

MADE OF GRAPHITE



STRIKO GRAPHITE RUPTURE DISK SERIES: G2

- flat graphite rupture disks
- excellent corrosion resistance
- to be used in holder HG2
- available with optional vacuum support
- nominal diameters: DN25 up to DN600
- operating ratio: 80 %



STRIKO GRAPHITE RUPTURE DISK SERIES: G3M/G3A

- monoblock graphite rupture disks
- excellent corrosion resistance
- useable directly between flanges without holder
- available with optional vacuum support
- G3A with stainless steel armor
- nominal diameters: DN25 up to DN600
- operating ratio: 80 %



HOLDER SPECIAL DESIGNS

- with sintered Teflon coating to be used up to 260 °C
- can be combined with all sealing materials
- with PTFE liner at product side
- holder HG2 for rupture disks of the series G2 is available in graphite, stainless steel 1.4571 or special materials such as Hastelloy®, Inconel® or with PTFE liner



RUPTURE DISK

HOLDER

STRIKO STANDARDHOLDER SERIES: SHF / SHZ / SHU

- metal seal between rupture disk and holder (SHZ / SHU)
- nominal diameters: DN20 up to DN800
- available in stainless steel or special materials such as Hastelloy®, Inconel® or with PTFE liner



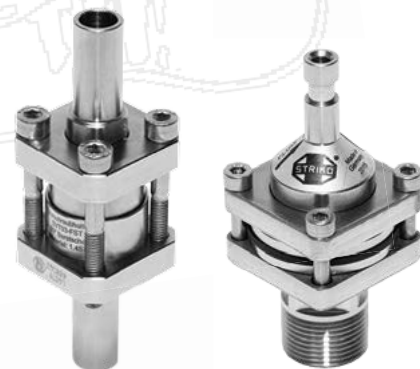
STRIKO PRELOADEDHOLDER PRO SERIES: SHF/SHZ/SHU PRO

- force-closed preload and metal sealing between rupture disk and holder (SHZ Pro / SHU Pro) enable an easy and safe assembly
- centre bores for flange bolts
- possible reinstallation of the closed rupture disk holder system e.g. after visual inspection
- nominal diameters: DN20 up to DN400
- available in stainless steel or special materials such as Hastelloy® or Inconel®



STRIKO PRELOADEDHOLDER SERIES: SH LAB

- compact and robust design
- meets highest tightness requirements
- connections individually executable
- torsion-free installation of the rupture disk
- available in stainless steel or special materials such as Hastelloy® or Inconel®



RUPTURE DISK

BURST INDICATOR



BURST INDICATOR SVT 02 LEKAGE SENSOR SVT 05

- for signaling the response of rupture disk
- can be combined with graphite and metal rupture disks, also with rupture disks of other manufacturers
- installation behind rupture disk or safety relief valve (outlet side) slotted PEEK foil with vacuum-metallized conductor path
- of silver
- for detecting minimum leakages (SVT 05)
- continuous use at temperatures from -30 °C to +220 °C
- usual nominal diameters on stock-delivery ready for installation



FULL-METAL BURST INDICATOR SVT AM

- for signaling the response of rupture disk
- use at high temperatures in dependence on sealing material
- installation behind rupture disk or safety relief valve (outlet side)
- back-pressure-resistance
- can be combined with graphite and metal rupture disks, also with rupture disks of other manufacturers
- usual nominal diameters on stock-delivery ready for installation



INDUCTIVE PROXIMITY SWITCH

- for signaling the response of rupture disk
- cost-effective rupture indication in case of frequent response of the rupture disk
- reusability of the sensor
- can be used up to 150 °C, higher temperatures on demand
- back pressure-independent
- low maintenance costs
- simple retrofitting capability



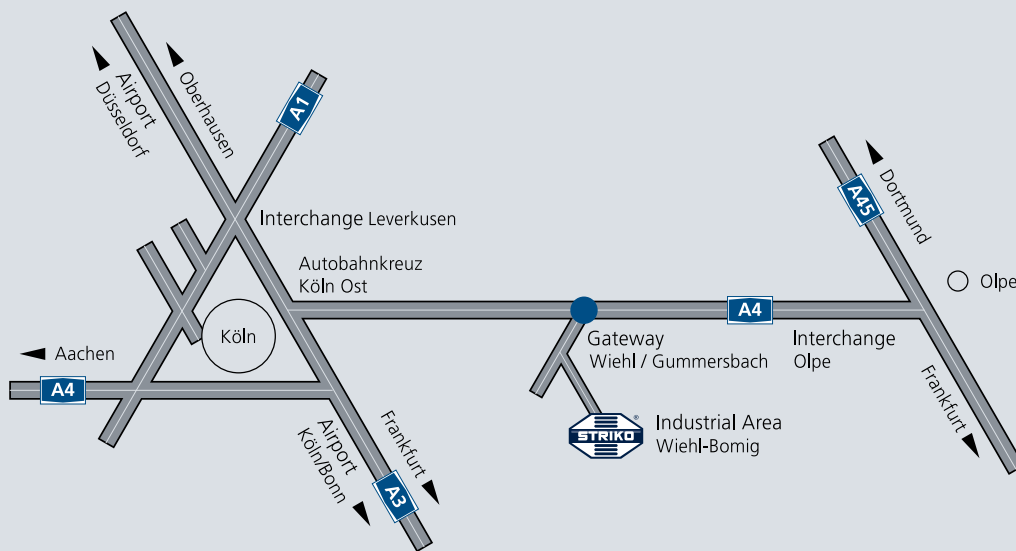
AN EXCERPT OF OUR REFERENCES



INNOVATION. QUALITY.
RELIABILITY.

OUR KNOW-HOW AND OUR RELIABILITY ENABLE US TO BE FOR YOUR COMPANY THE COMPETENT PARTNER YOU ARE LOOKING FOR.

WHERE YOU FIND US



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SCAN ME