

With us, **HALF** of our customers are singles.
They only use **ONE** of our many categories.

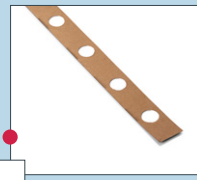
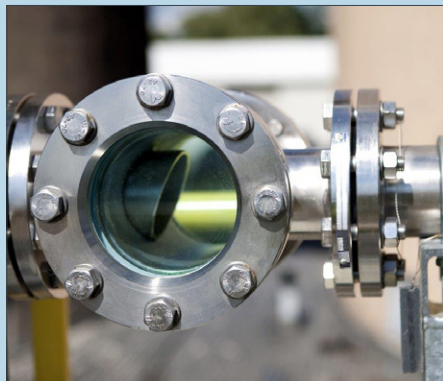
The paradox here is, that **MOST** technical
plants and products can be further improved.
By **OPTIMISING** gaskets, seals and rubber parts.

**WHY
PARTNERING?**

Get inspired
for consolidation
and higher
performance

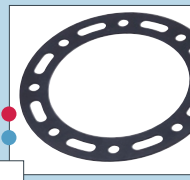
**NEED IDEAS
TO DO BETTER?**

FLANGE GASKETS AND CUSTOMISED GASKETS



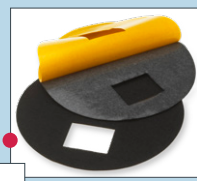
Cellulose fibre gaskets

A universal gasket material made of cellulose fibres bonded with glycerine-based glue. For use with oil, petroleum, acetone and certain acids and chlorine solutions etc.



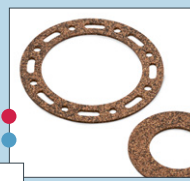
Rubber and PUR gaskets

NBR, HNBR, EPDM, FKM (Viton®), PUR a.o. depending on application media, concentrations, temperatures and certification requirements.



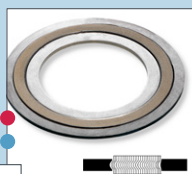
Felt gaskets

Synthetic felt for industrial use and needle felt for technical applications e.g. seals, filters, dust cleaning, vibration dampening, protection, absorption and insulation.



Cork rubber gaskets

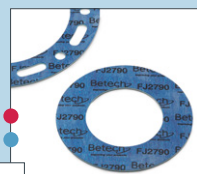
Cork granulate bonded with an application-specific polymer. For use at pressures of up to 5 bar when a small surface load is required, in uneven flanges and ATEX applications.



Spiral Wound Gaskets (SWG)

Excellent sealing properties in heavy operational conditions. Var. types for different flanges and applications. Here is type CGI with Thermiclite® filler that passes API 6FB fire test.

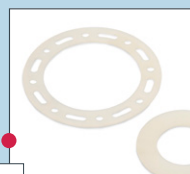
EN 1514-2 | ASME B16.20 | BS 3381 | API 6FB*



Compressed fibre sheet gaskets

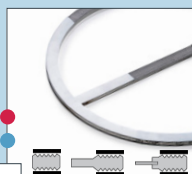
For applications involving medium to high thermal and mechanical loads (up to 40 bar) such as in air and refrigeration compressors, combustion motors etc.

EN 1514-1 | ASME B16.21



Silicone gaskets, solid or cellular

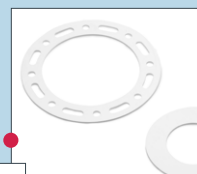
Solid: Suitable up to +230 °C and high UV or ozone exposures. Cell: High resilient and recovering properties for e.g. lid or hatch gaskets.



Kammprofiles

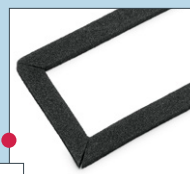
Provide high-grade sealing integrity in the most severe conditions. Low diffusion and high density ensure very low leakage rates. According to EN 1514-6 or customised. Optional filler materials: PTFE, graphite or Thermiclite®.

EN 1514-6 | EN 12560-6



PTFE gaskets

Comes in virgin, expanded or modified PTFE. Very good resistance properties with exception of liquid alkali metals and some fluorine compounds. Often, also classified for food and medicines production.



Cellular rubber gaskets

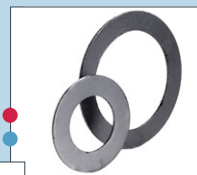
EPDM, SBR-EPDM, VMQ, NBR, NR and FKM. Ideal to achieve IP class (IEC) or compensate for unevenness under low compression loads.



Ring Type Joints (RTJ)

For very high pressure in oil, gas and processing plants, subsea, manufacture of ammonia, petrochemicals etc. Various types: RX, BX, Oval and Octagonal.

ASME B16.20 | API 6A



Graphite gaskets

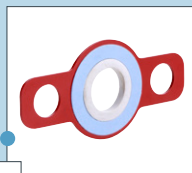
with anti-stick coating and a steel insert (tanged or plain) or as foil. High compression load capacity. High resistance to media and temperature. For thermal oils, steam, hot water etc.

EN 1514-1 | ASME B16.21



Rubber foam gaskets

Typical materials are EPDM and NR/SBR. For use at low surface pressures, when absorbing uneven surfaces and for other purposes. Water absorbent.



Flange Rescue Gaskets (FRG)

Repairs/prevents corrosion of flange surfaces in bolted pipe joints, reducing expensive and time-intensive welding work. Available from pressure class 150 to 2500.

ASME B16.20 | API 6FB*



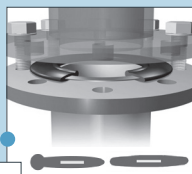
Mica gaskets

A mineral material with a lamellar non-fibrous structure. Particularly developed for high temperature applications up to 900 °C.



Plastic foam gaskets

Flexible materials (e.g. EPS, or EPP) available in many densities and thicknesses of 1-250 mm. With or without adhesive tape. For packaging, insulation, filter gaskets etc.



Rubber-Steel gaskets

Widely used in low-stress flanges of glass-reinforced epoxy (GRE), plastic etc. An O-ring profile on the inner diameter reduces the seal surface which minimizes bolt torque requirements and makes the gasket ideal for such applications.

EN 1514-1 | ASME B16.21



Thermiclite® gaskets

This sovereign mineral material from Flexitallic® withstands intense heat up to 1,000 °C, extreme cold, high pressure, acidic and basic chemicals as well as fire (API 607).

API 607*



Lidpack

For chemical tanker, hatch, oven and furnace door. An elastomeric core combined with layers of PTFE tape and texturized glass fibre braid gives excellent compression and spring back properties.

- Customised based on your drawing or other individual specifications
- Supplied in compliance with international norms or standard assortments

* Can be achieved using certain types/variants

Betech
Polymers and Sealing Solutions



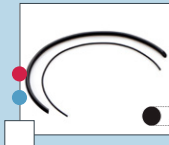
Tel. +45 4485 8100

betech.site/more
info@betech.site

**THE BENEFITS
OF CONSOLIDATED
PURCHASING**

When cooperating with us
on multiple applications,
you will achieve improved
solutions – both in
terms of engineering
and overall
economy.

STATIC SEALS



Rubber cord

Circular cross-section profiles. Can be glued into O-rings and allows fast supply of seals to specific, custom dimensions.



O-rings

Seals made of rubber, silicone, metal or plastic with a circular cross-section.

DIN/ISO 3601 | AS 568/BS 1806 o.a.



D-rings

D-profile cross-section seals, according to DIN/ISO 11851 for sanitary, pharma and food applications.

DIN/ISO 11851



X-rings

Seals with an X-profile cross-section that provide lower friction than O-rings.

DIN/ISO 3601 | AS 568/BS 1806 o.a.



Clamp gaskets

For pipe connection clamps in sanitary, pharma and food applications.

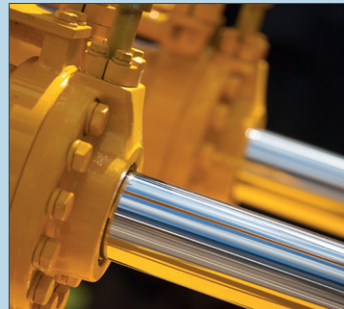
DIN 32676 | BS 4825/3 | ISO 2852 o.a.



Bonded Seals

Steel washer with a vulcanized inner-ring of rubber. For sealing around bolts and screwed joints.

DYNAMIC SEALS FOR SHAFTS AND HYDRAULICS



Rod seals

Sealing against the piston rod in hydraulics and pneumatics.



Piston seals

Placed in the piston, it works counter to the cylinder surface in hydraulics and pneumatics.



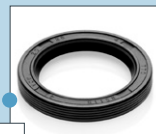
Scraper rings (wipers)

Prevent foreign objects from penetrating the cylinder.



V-rings

Rubber seals for unpressurised rotating shafts. Keep out dust, mud, oil and water.



Oil seals

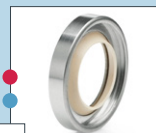
Used around rotating shafts, according to DIN/ISO 3760. Also known as radial shaft seals or simmerrings.

DIN/ISO 3760



Bearing strips

Prevent metal-to-metal contact in hydraulics and pneumatics.



Radial PTFE shaft seals

Applicable for dry, rotating shafts e.g. in some food grade equipment.



PTFE seals

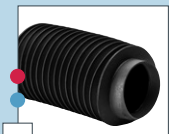
PTFE seals with rubber activation for pistons and rods in hydraulics and pneumatics.

BELLOWS, COVERS AND COMPENSATORS



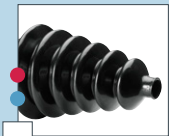
Way covers/Box bellows

Protect moving parts and keep dust out to extend machine life. Avoid injury caused by scissor lift, spindle etc.



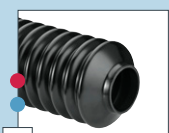
Rubber disc bellows

Protect and extend service life. Takes up minimum space when compressed.



Conical folding bellows

Protect and extend service life of linear-motion mechanics.



Cylindrical folding bellows

Protect and extend service life of linear-motion mechanics.



Rod Protection Cover™

Guard cylinder rods from harmful particles and extend service life. Save costly disassembly using the mount-slit design.



Single-fold bellows

Protect and extend service life of shaft/axle/ball joints.



Compensators

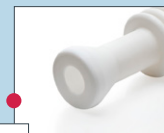
Flexible, seal channels that absorb vibrations at misalignments between two units. Moulded rubber or tailor-made.



Custom-moulded bellows

Flexible bellows and covers in custom design, for mechanical applications.

NON-RESILIENT, MACHINED PARTS



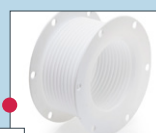
PTFE parts

Use where the PTFE material's particular characteristics of resistance to chemicals and cold is of crucial importance.



Duboschweitzer® bolt securing (PA)

For locking and sealing of bolts and screw joints. Avoid galvanic corrosion in steel plate assemblies.



PTFE bellows and compensators

Use where the PTFE material's particular resistance to chemicals and cold is required.

Besides being a maker of OEM parts and customised products, Betech represents leading industry brands:

RUBBER AND SILICONE MOULDING



Micro moulding

Miniature parts of rubber and silicone for medtech, electronics and precision engineering. Common in modern hearing aids, for example.



Complex moulding

Advanced components with complex designs, hollows, channels etc. – for medtech equipment, electronics etc.



Technical rubber parts

Moulded rubber parts from numerous compounds, used to guide, seal, isolate, dampen and protect in mechanical products or to transport air and fluids.



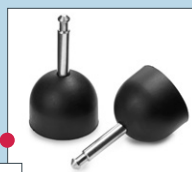
Large format

Moulding of single parts up to 200 cm in diameter/width. Joining (gluing or vulcanization) of multiple profiles or other shapings to a single, large-sized item even +200 cm.



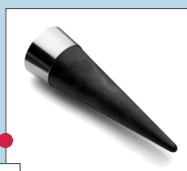
Valves and membranes

Elasticity, resistance and durability make rubber materials unique for use in open/close/isolate mechanisms.



Rubber-to-metal bonding

The characteristics of rubber and metal combined into tough and unique functional components.



Design products

Moulded parts made of rubber and silicone for industrial design, arts and crafts, housewares etc.



Comfort, damping and motion

Tilter®, the healthy and silent tilt mechanisms, and Fagas™ rubber straps (webbing) are examples of functional and unique design for the furniture industry a.o.

VIBRATION DAMPERS



Rubber buffers

For axial and radial loads. Widely used in the tooling and machinery industry. Many types available. High (15-20 Hz) natural vibration frequency.



Natural frequency depends on load

Machine/mini mounts

Machine mounts do not require floor anchoring and fix vibration-related problems by reducing or eliminating any disruptive effects. Middle to high natural frequency.



Pneumatic dampers

High-capacity dampers with a low built-in profile. For use in particularly demanding shock and vibration isolation applications. Low natural frequency.



Universal dampers

For most machinery e.g. pumps, generators, motors, compressors and transmissions. Many types available. Low to middle natural frequency.



Elastomer dampers

Urethane® springs have high elasticity, high resistance to oil and rupture – and provide a long service life. Used in the engineering and wind turbine industry.



RUBBER AND THERMOPLASTIC EXTRUSION



Flexible tubing

Silicone tubing for use in e.g. sanitary, pharma or foodstuff applications. When cutted/glued, certain types of tubing can also be used as hollow O-rings.



Sealing profiles

All types of sealing profiles: rubber, silicone, and thermoplastics (TPE).



Specialised products

Could be rubber extrusion or tailoring, such as Hex Nut Holder™ for easy transportation and precise, secure supply feed of heavy nuts under cramped installation environments.



Customer-specific solutions

Few categories are standard products but most types of products are made for your unique application and service according to a drawing or other kinds of specification.

We can assist you in choice of material, design specs, moulding tools etc.

**We offer you the broadest range.
But feel free to expect even more.**

Versatile production facilities. Distribution of leading brands.
Skilled product experts. Better solutions. Fewer suppliers.
More opportunities. **The best from single sourcing.**

Improving
your
products™

APPROVED MATERIALS IN THREE CONTINENTS

Compressed fibres, rubber, silicone and other polymers
in compliance with international standards.

North America



Foodstuff

FDA Title 21



Bio/Pharma

USP 26 Class VI



Sanitary

3A 18-03
NSF-51
NSF-61



Electricity/Fire

UL-94 HB→V-0
API 6A
API 6FB
API 607

Europe



Foodstuff

ACS XP P 41-250
BEK. 1248 (DK)
BfR XV
BfR XXI
BSE/TSE
CoE-PS
DGCCRF
EN 2023/2006 GMP
EU 10/2011
EU 1935/2004
EU 2023/2006 GMP



Drinking Water

BEK. 1007 (DK)
DVGW/KTW
KIWA
UBA – Elastomer guideline
WRC1/WRAS



Bio/Pharma

ISO 10993



Sanitary

EN 681-1



Oil/Gas

DIN EN 682
DVGW 3535-6
Norsok M710



Electricity/Fire

DIN EN 549



Quality/HSE

REACH
RoHS
WEEE
Achilles JQS
Achilles Utilities

Asia (China)



Foodstuff

GB 31603-2015 GMP
GB 4806.1/6/11 2016
GB 9685-2016 A1/A3

International



Oil/Gas

ISO 10423
ISO 16070
ISO 1817
ISO 23936-1
ISO 23936-2



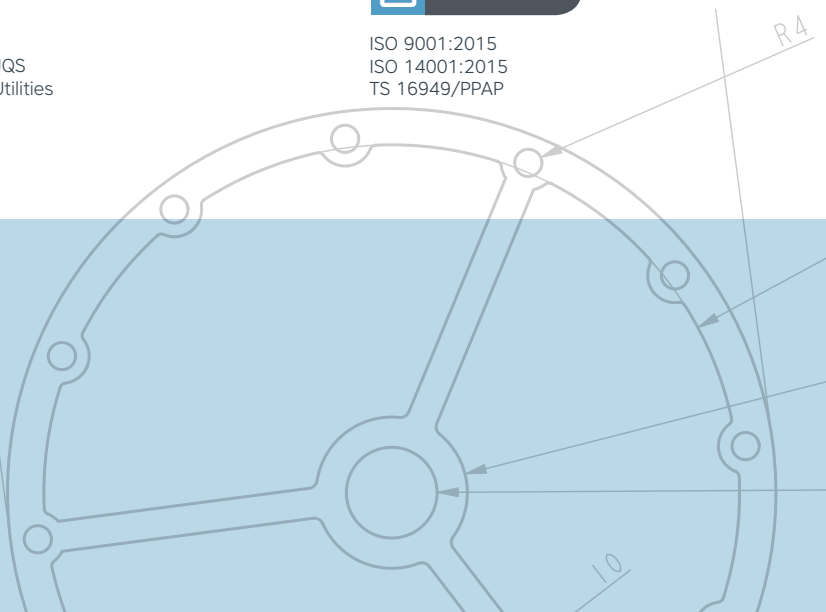
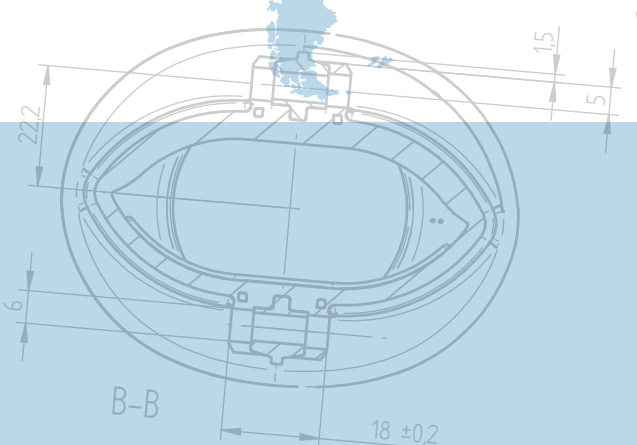
Electricity/Fire

API 6A
API 6FB
API 607



Quality/HSE

ISO 9001:2015
ISO 14001:2015
TS 16949/PPAP



**EXTRACTION
PROCESS
FOODTECH**



**ENERGY
ENGINES
TRANSPORT**



**AUTOMATION
MACHINERY
ENGINEERING**



**ELECTRONICS
MEDTECH
FURNITURE**



*Improving
your
products™*

We create added value, and we do so in ways,
improving your products and making you even more competitive.

The solution may be obvious or complex, but our mission is always the same:

A partnership with Betech supports your business and
contributes to more profitable operations and production.

Betech
Polymers and Sealing Solutions

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