

SHORT FORM CATALOGUE

# Gaskets & Sealing

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# About Us

Established in 1963 and headquartered in City Deep, Johannesburg, Belting Supply Services boasts a network of 16 branches across South Africa.

We take pride in providing our clients with excellent service and a wide range of superior-quality conveyor and transmission belting, industrial hose, instrumentation, sealing, and valves from leading global brands, serving various industries.

We prioritise customer satisfaction by providing technical support and meticulous after-sales service.

Complying with industry regulatory standards, we hold BEE and ISO certifications and are a proud member of the Conveyor Manufacturers Association of South Africa.

We work closely with our suppliers, who invest heavily in research and development, ensuring that we stay abreast of new technologies.

Belting Supply Services' (BSS) success over the last 60 years has been driven by leading brands, a strong product range, and highly trained management and staff, who have an average of 20 years' service and experience within the company.

BSS was established in 1963 by Mr Hayter in Langlaagte and now operates from a 10,000m<sup>2</sup> facility situated in City Deep. The business successfully grew from the outset which led to various branches being opened in multiple areas throughout South Africa. It was acquired by Hudaco in 1988 as part of the FrenCorp acquisition.

Initially, it specialised in transmission products such as V-belts, V-pulleys, taper bushes, couplings, gearboxes, and chain, later becoming a stockist of rubber conveyor belting.

In 1968, BSS was appointed sole distributor for major, international brand for Southern Africa for conveyor and transmission belting. In 1978, it acquired a conveyor manufacturing plant from Brenflex in Australia and began manufacturing a unique PVC conveyor belt branded Trekflex. From then until the closure of the plant in 2012, BSS was the only manufacturer of "ply" PVC conveyor belting in Southern Africa.

In 1995, KZN-based business Swift Industrial Supplies was merged into BSS, bringing industrial hose into the product offering across all nine branches in South Africa. BSS was appointed the sole distributor in Southern Africa for NCR hose, which carries the SABS stamp of approval. Industrial hose now contributes about 25% of BSS's turnover.

In 2007, SA Hose and Belting (Cape Town and Port Elizabeth) was also acquired to expand our heavy-duty offering. In 2008, Belting Supply Services acquired BEP Bestobell to expand our product range to include instrumentation, valves, and sealing.

BSS has been a sustainable trustworthy operation dedicated to servicing our client needs and requirements dedicating by our service and delivery. The continuous delivery of product and services has been a focus of the business, with the goal of ensuring our client continuous efficient production output is achieved.

Our commitment to 24/7 Service delivery has ensure onsite as well as client requested tailor made requirements remains a focus point of growth to the business, with various project taken on over the past years with great success.

Our customer centric approach has established Belting Supply Services as the market leader in the sealing and gaskets, hose and instrumentation industries.

This commitment to our customers has lead to plenty of successfully completed projects over the years while cementing Belting Supply Services as a pillar in the industry.

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## Soft Cut Gaskets

At Belting Supply Services, we provide a wide range of soft cut gaskets tailored to your specifications. Whether you need them die-cut or CNC cut, we can deliver gaskets in various different grades of materials and thicknesses to meet your precise requirements.

### TAILORED TO YOUR SPECIFICATION:

We manufacture gaskets to meet your specific requirements, including temperature and pressure considerations. Our range includes:

#### Cellulose Paper Gaskets:

Resistant to oil, ideal for applications where oil resistance is essential.

#### Compressed Fibre Gaskets:

Versatile, with various applications depending on the type of fibre and filler used.

#### Rubber Gaskets:

Require lower compression loads, suitable for flexible sealing solutions.

#### PTFE or Modified PTFE Gaskets:

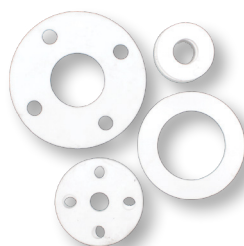
Perfect for aggressive chemical applications, offering high resistance.

#### Nitrile Cork Gaskets:

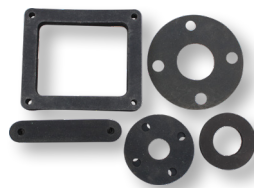
Commonly used in transformers and automotive applications, known for excellent oil and fuel resistance.



Compressed Fibre



PTFE



Rubber

### PRECISION MANUFACTURING:

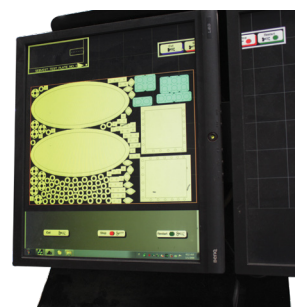
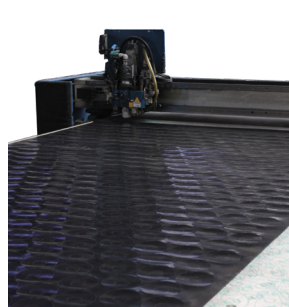
Whether you need custom designs or standard shapes, we've got you covered:

#### CNC Cutting:

We can cut gaskets from customer-supplied CAD drawings, ensuring precision and consistency.

#### Blade Dies:

With a wide range of blade dies, we can punch out gaskets to meet your exact specifications.



### INDUSTRIES:

<b>AUTOMOTIVE</b>	<b>CHEMICAL</b>	<b>PETROCHEMICAL</b>
<b>MARINE</b>	<b>POWER GENERATION</b>	<b>FOOD INDUSTRY</b>
<b>MANUFACTURING</b>	<b>OIL &amp; GAS</b>	<b>MINING</b>





## Gasket Sheeting

At Belting Supply Services, we manufacture gaskets to meet international standards such as SABS, BSI, and ASME. Our gaskets are designed to perform in a wide range of applications, ensuring reliability and durability.

### KEY FEATURES:



**Customizable:** Our gasket sheeting is fully customizable to meet the specific requirements of your application. Clients can choose from a wide range of rubber materials, each offering unique properties such as oil resistance, temperature tolerance, chemical compatibility, or weatherproofing.



**Precision Cutting:** We offer high-accuracy cutting solutions to match your exact specifications. Choose between die-cutting for high-volume production of standard shapes or CNC cutting for intricate, custom designs with tight tolerances.



**Versatile Applications:** Gasket sheeting is ideal for sealing, insulation, and vibration damping across a range of industries—including automotive, mining, manufacturing, and water treatment. It performs reliably in demanding environments involving pressure, heat, and chemical exposure.



### INDUSTRIES:

<b>AUTOMOTIVE</b>	<b>CHEMICAL</b>	<b>PETROCHEMICAL</b>
<b>MARINE</b>	<b>POWER GENERATION</b>	<b>FOOD INDUSTRY</b>
<b>MANUFACTURING</b>	<b>OIL</b>	<b>GAS</b>
<b>MINING</b>	<b>STEAM SYSTEMS</b>	

## Rubber Sheeting

At Belting Supply Services, we offer a comprehensive range of rubber sheeting in various compounds and thicknesses. Whether you need smooth or cloth finish, our rubber sheeting is versatile and suitable for numerous applications.

### KEY FEATURES:



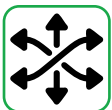
#### Thickness Range:

From 1.5mm to 25mm



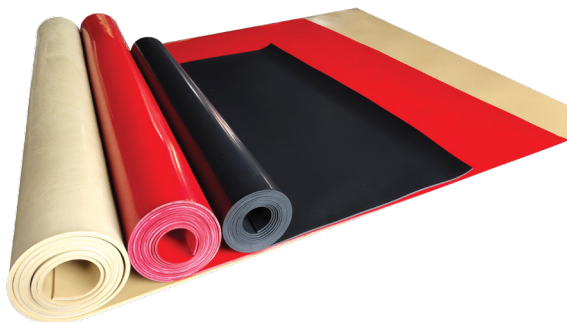
#### Surface Options:

Available in smooth or cloth finish



#### Versatile Applications:

Ideal for insulation, flooring, gaskets, protective covering, and more. Our high-quality rubber sheeting is perfect for industrial, commercial, and residential use. Whether you need it for sealing, protection, or other purposes, we can provide the right solution.



### APPLICATION:

Rubber sheeting has many different applications. Some of its most common applications include gaskets, O-rings, electrical insulation, food processing and weatherstripping. There are different types of rubber sheeting, however, some of which are better suited for certain applications than others.

### INDUSTRIES:

CONSTRUCTION	AUTOMOTIVE	HEALTHCARE
MANUFACTURING	OIL & GAS	MINING





## Sealing Sponge

At Belting Supply Services, we offer a variety of closed cell expanded rubber products, designed for superior performance in sealing, insulation, and packaging applications. The closed cell construction of these materials provides excellent resistance to air, moisture, and other elements, making them ideal for a wide range of uses.

### PRODUCT RANGE:

#### Expanded Closed Cell EVA Sponge:

Applications: Ideal for packaging, gaskets, strips, and expansion joints.

Features: The closed cell structure ensures effective sealing and insulation.

#### Closed Cell SBR (Styrene Butadiene Rubber):

Applications: Ideal for packaging, gaskets, strips, and expansion joints.

Features: The closed cell structure ensures effective sealing and insulation.

#### Closed Cell EPDM (Ethylene Propylene Diene Monomer):

Applications: Suitable for both indoor and outdoor sealing where weather resistance is crucial.

Features: Excellent weather-resistant properties, making it ideal for various sealing applications.

#### Closed Cell Neoprene:

Applications: Best suited for situations where oil resistance is required, such as in oily environments.

Features: Neoprene is self-extinguishing and handles higher temperatures better than SBR and EPDM, providing a versatile solution for demanding applications.

#### Sealing Strip

Applications: Can be used on wood or metal door and window frames, concrete walls, or any other surface to seal and isolate gaps where rainwater is seeping through or wind is causing a draught.

Features: closed-cell expanded EVA sponge sealing strips, equipped with a self-adhesive strip for easy application.



### APPLICATION:

Applications: Perfect for sealing and anti-vibration applications, both indoors and outdoors.

Features: Good memory to retain sealing properties, with strong resistance to air and UV exposure.

### INDUSTRIES:

**AUTOMOTIVE**

**BUILDING & CONSTRUCTION**

**OIL & GAS**

**INDUSTRIAL SECTORS**

## Metal Gaskets

Belting Supply Services offers a wide range of metal gaskets designed to perform in extreme conditions, where standard gaskets may not suffice. When you need a gasket that can withstand high pressure or temperature, our metal gasket solutions provide the reliability and durability you require.



### METAL GASKET TYPES:

**Cammprofile Gaskets:** Ideal for applications requiring a strong seal under extreme conditions.

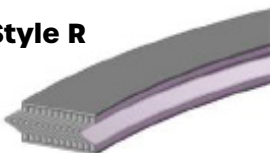
**Ring Type Joints (RTJs):** Designed for high-pressure and high-temperature applications, commonly used in the oil and gas industry.

**Windings Available In:** Stainless Steel 304, Stainless Steel 316, Mild Steel

**Inner and Outer Rings Available In:** Stainless Steel 304, Stainless Steel 316, Mild Steel  
Custom Designs with In-House Expertise

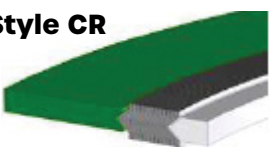
**Spiral Wound Gaskets:** These gaskets can be made with a filler of graphite, PTFE, or mica.

#### Style R



- Maxiflex spiral wound sealing element
- Wide choice of materials for filler and metal strip
- Suitable for high pressure and temperature applications
- Recommended flanges - tongue and groove, male to female and flat face to recess
- General and critical duties

#### Style CR



- Maxiflex spiral wound sealing element
- Solid metal outer ring used as a centring device and compression stop
- Used mainly on raised face and flat face flanges
- General duties

#### Style RIR



- Maxiflex spiral wound sealing element
- High pressure temperature capability
- Solid metal inner ring
- Male to female flanges
- General and critical duties

#### Style CRIR



- Maxiflex spiral wound sealing element
- Suitable for high pressure and temperature applications
- Prevents turbulence and erosion damage to flange
- Prevents damage to the gasket bore and inner windings
- Solid metal inner & outer ring
- Raised face or flat flanges
- Acts as a heat shield
- Acts as a corrosion barrier
- General and critical duties

#### Style R (Graphite faced)



- Maxiflex spiral wound sealing element
- Covered with 0.5mm Graflex
- Used on manhole covers
- Low bolt load applications
- Uneven sealing faces
- Double integrity seal

We offer in-house CAD/CAM design services to ensure that our gaskets meet your specific needs. Our ISO 9001:2008 certified quality management system ensures that every gasket we produce adheres to the highest standards of quality and precision.

### APPLICATION:

**GRAPHITE FILLER**

**MICA FILLER**

**PTFE FILLER**





## Ceramic Products

At Belting Supply Services, we provide a wide range of Ceramic Products. Ceramic blankets, Ceramic square braded rib, Ceramic cloth, ceramic paper.

### CERAMIC FIBRE:

Used for reinforcement in composites, ceramic fibres are high-performance materials that provide improved toughness and reliability over monolithic ceramics. Designed to withstand high temperatures, they are crucial for enhancing the mechanical properties of many materials used in engineering.

### CERAMIC FIBRE BLANKET:

Ceramic Fibre Blanket provides great insulation at high temperatures, as well as thermal stability. At the highest constant temperature, the blanket maintains its original soft fiber structure. Cutting the blankets into the desired form is simple.

### KEY FEATURES:

**High Temperature Resistant:**

Can withstand extremely high temperatures

**Easy Installation & Maintenance:**

Easy to cut, shape and install and require minimal maintenance

**Applications:**

Ideal for a wide range of industries including petrochemical, steel, power plants etc.

**Availability:**

Available in various forms, including blankets, ropes and tapes



### INDUSTRIES:

**POWER GENERATION**

**STEEL FOUNDRY**

**PETROCHEMICAL**

**SMELTERS**

**INDUSTRIAL FURNACES  
AND KILNS**

## Gland Packing

Compression gland packings are used to form an effective seal in valve, rotary and reciprocating pump applications. We supply a range of packing materials and composites in different sizes and lengths.

### APPLICATION:

Compression gland packings are used to form an effective seal in valve, rotary, and reciprocating pump applications.

Typically applied to rotary equipment, such as steam valves and pumps, gland packings can also be used for static sealing operations on boiler joints. Due to their high chemical resistance and leak prevention, these cost-effective gaskets minimize machine downtime and are a popular choice for corrosive environments, as well as the food and pharmaceutical industries

### TYPES:

#### Pure Graphite Packing:

Braided with sheer extended graphite, strengthened with threaded glass.



High temperature capability



Thermal conductivity & low friction



Good chemical resistance properties



Flexible and easy to seal



Can be combined with other materials for additional performance characteristics.



Durability & shaft wear resistance

### INDUSTRIES:

PETRO-CHEMICAL

PULP

PAPER

POWER GENERATION

#### PTFE Gland Packing:

Braided with pure PTFE yarn without the use of lubrication.



Resistant to chemical attack



Durability & long lasting performance



Low coefficient of friction



Can be used in various applications



-200°C to +280°C



Reduced leakage

### INDUSTRIES:

OIL

CHEMICAL

PAPER

FOOD INDUSTRIES





## Gland Packing



### Acrylic PTFE:

Blend of acrylic and ptfе, providing strength and durability.



Durability & Long-lasting performance



Excellent corrosion resistance



High Temperature Tolerance



High chemical stability

### INDUSTRIES:

#### PUMP & VALVE APPLICATIONS

#### SLURRY



**GFO Packing:** Braided compression packing made from graphited PTFE yarn (pumps, valves, marine application)



Long-lasting performance



Minimum Shaft Wear



Cool operation - high thermal conductivity ensures it runs cool, even under continuous operation at high speeds



Reduced downtime

### INDUSTRIES:

#### CHEMICAL APPLICATION



### Cotton Graphite Packing:

Braided cotton yarn, coated with graphite.



High Durability and flexibility



Suitable for dynamic and static applications



Resistant to moderate chemicals within the pH range



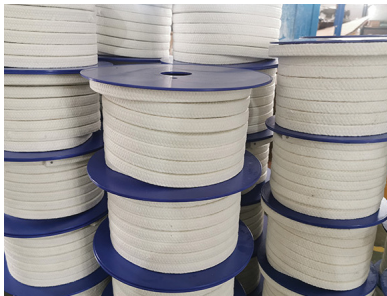
Non-toxic and asbestos free

### INDUSTRIES:

#### FOOD INDUSTRY

#### CANNING INDUSTRIES

#### NAVAL INDUSTRIES



**Ramie Fibre Packing:** Highest quality ramie fibre impregnated with light-coloured, special PTFE and inert lubricant.



High Durability and strength



Reduced shaft wear



Temperature Tolerance



Can be used in various applications

### INDUSTRIES:

#### FOOD INDUSTRY

#### CANNING INDUSTRIES

#### NAVAL INDUSTRIES

## Bellows and Expansion Joints








Our rubber bellows are internally reinforced with synthetic material cloth and metal rings to ensure high mechanical resistance. This construction allows them to operate effectively under positive internal pressure or vacuum conditions.(add line) Vacuum optional as per application.

### FEATURES:

The bellows are the central component, allowing for expansion and contraction in response to temperature changes or other movements.

### APPLICATION:

A Compensation for displacements with small installation lengths and low spring forces.

	<b>Corrosion Resistant</b>		<b>High Absorption:</b> of mechanical and sonorous vibration
	<b>Light Weight</b>		<b>Exempt from sealing joints.</b>
	<b>Not-welded end connections</b>		<b>Electrical Discontinuity</b>
	<b>Additional Benefits:</b> Excellent ability to resist heat, water, weather, and severe atmospheric conditions		

### FABRIC BELLOWS:



#### Rubber Bellows / Compensators

Size:	15NB to 2000NB
Shape:	Round, Square, and Reducer Bellows
Pressure:	Suitable for vacuum conditions up to 25 bar
Temperature Range:	-5°C to 85°C
Movement:	Customizable as per client requirements
Material Options:	Natural Rubber, EPDM, Hypalon, Neoprene
Type:	EL

Our rubber bellows are designed to absorb movement, compensate for misalignment, and protect against vibration, ensuring longevity in demanding environments.



#### Fabric Bellows / Compensators

Size:	Custom sizes as per client specifications
Shape:	Square, Rectangular, and Round
Temperature Range:	-220°C to 1600°C
Movement:	Tailored to meet client needs
Material Options:	Application-specific materials, ensuring optimal performance in extreme conditions
Type:	FB

Our fabric bellows are ideal for high-temperature and flexible applications, providing excellent resistance to harsh environments.

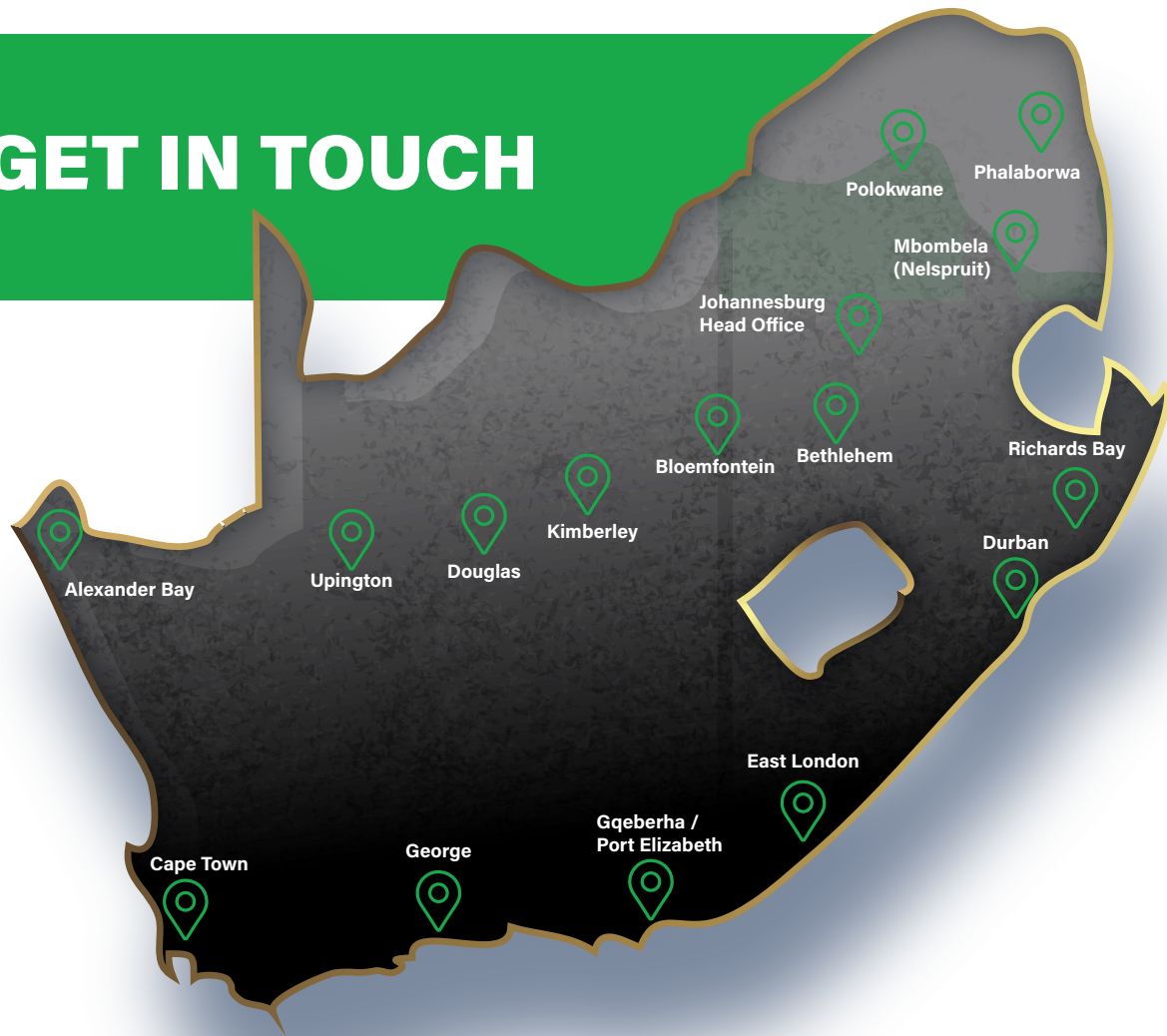
### FLANGED BELLOWS:



Reinforcement:	Rubber-reinforced with a synthetic polyester cord for enhanced strength and durability.
Construction:	Compression moulded to ensure precision and safety.
Performance:	Reduces vibration and noise, extending the life of your pipeline systems.
Durability:	Abrasion-resistant, making it suitable for challenging environments.



# GET IN TOUCH



## GAUTENG

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**Phalaborwa**  
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**Bloemfontein**  
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Oranjesig  
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**Richards Bay**  
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Tel: +27 35 751 2123

## EASTERN CAPE

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**East London**  
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Arcadia  
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## WESTERN CAPE

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