
SEALX
Fluid Sealing Specialists
With over 30 years in the industry, Seal X Supply takes pride in placing customers first and comitted to providing the highest quality fluid sealing products.
www.sealxsupply.com

Gaskets

From compound asbestos free, high purity graphite, elastomers, and PTFE sheets, Seal X provides sealing soloutions for various applications.

COMPRESSED SYNTHETIC FIBRE JOINTING SHEETS

Seal X offers a number of asbestos free synthetic fibre jointing sheets designed for a wide range of applications required for specific sealing solutions. A wide range of grades are available for many different applications. The jointing can be supplied as a sheet or cut gaskets, both supplied in either standard or non-standard dimensions.

PTFE PRODUCTS

Seal X offers a comprehensive range of modified and expanded PTFE sealing products designed for applications where chemical resistance is paramount or where food safety is a requirement. Our modified PTFE is reinforced with heat resistant filler. The modification of the molecular structure of the polymer and a special production process that determines the isotropic orientation of the components in the plane of the gasket, form the basis of the outstanding mechanical characteristics of this material that combine with the already well-known excellent chemical properties of the PTFE.

The seal capacity is excellent at low compression and at elevated temperatures.

GRAPHITE SHEETS

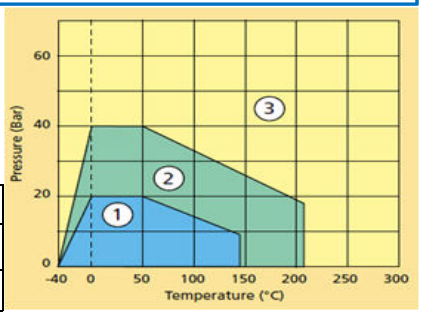
Our range of graphite products is designed for demanding, high temperature applications typical for the chemical and petrochemical industries. The sheets are manufactured from high purity exfoliated graphite, the products are available with a variety of metallic inserts from various metals. We also offer sheets with ultra-high purity of graphite for the nuclear industry. Graphite sheets are typically used for sealing at higher temperature than can be recommended with CSF (Compressed Synthetic Fibre) materials. When the graphite is reinforced with a metallic insert, they are also capable of sealing against high pressures.

Sx2200

The Sx2200 is a economical jointing sheet manufactured from a mixture of organic fibers and an NBR/SBR rubber binder.

This sheet is designed for a wide range of applications throughout various types of industries at lower parameters.

Temperature
Peak: 210°C
Continual: 140°C
Max pressure: 40 bar



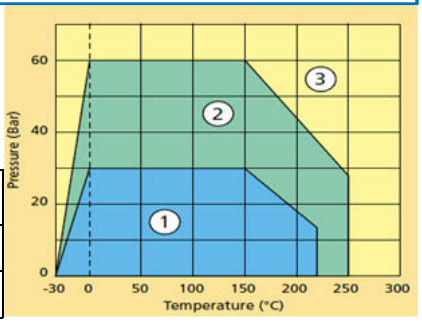
Sx2200	1/32"	1/16"	1/8"
60"x60"			
60"x120"			

Sx2201

The Sx2201 is a compressed jointing sheet manufactured from aramid and non-asbestos fibers, bonded by a high quality NBR.

This sheet is designed for use in a wide range of low duty applications in many different market segments.

Temperature
Peak: 250°C
Continual: 220°C
Max pressure: 60 bar



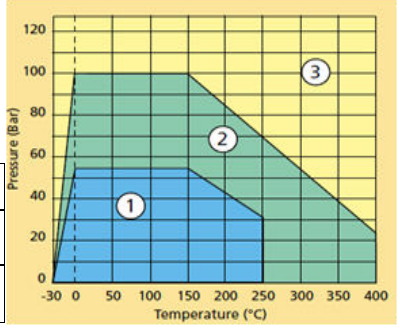
Sx2201	1/32"	1/16"	1/8"
60"x60"			
60"x120"			

Sx2202

The Sx2202 is manufactured with high quality temperature resisting fibers bonded with NBR.

This general purpose sheet can be used in a wide reange of applications such as petrochemical, chemical, as well as food, oil and gas processing.

Temperature
Peak: 400°C
Continual: 250°C
Max pressure: 100 bar



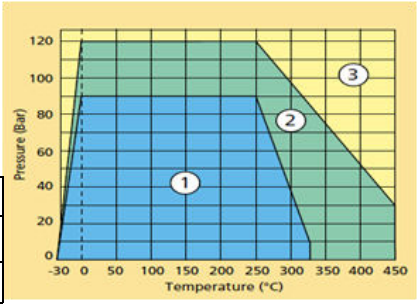
Sx2202	1/32"	1/16"	1/8"
60"x60"			
60"x120"			

Sx2204

The Sx2204 is a superior performance jointing sheet made from a blend of special heat resistant aramid fibers and a high quality nitrile rubber binder.

This sheet is used in petrochemical, chemical and food industries. It is suitable for oils, fuels, lubricants, alcohol, gases, hydrocarbons, water, cooling liquids, and diluted acids and alkalis.

Temperature
Peak: 450°C
Continual: 330°C
Max pressure: 120bar



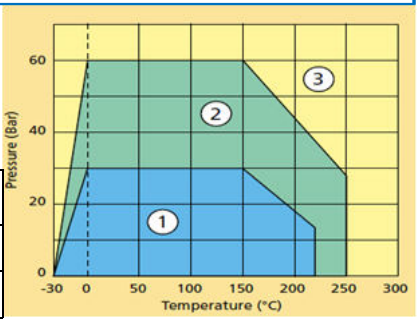
Sx2204	1/32"	1/16"	1/8"
60"x60"			
60"x120"			

Sx2205

The Sx2205 is a high quality jointng material incorporating a blend of heat resistant aramid fibers with a special NBR rubber binding system.

This gasket sheet has excellent mechanical properties (high resistance to creep). Suitable for oils, fuels, lubricants, alcohol, gases, cooling liquids, and diluted acids and alkalis.

Temperature
Peak: 450°C
Continual: 250°C
Max pressure: 130 bar



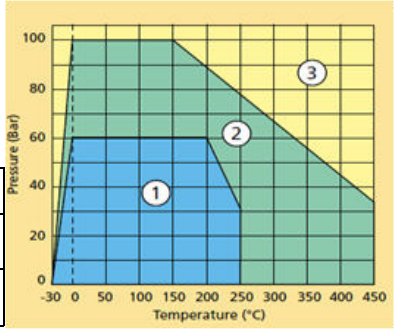
Sx2205	1/32"	1/16"	1/8"
60"x60"			
60"x120"			

Sx2206

The Sx2206 is a premium quality carbon fiber reinforced material with a high quality nitrile rubber binder.

This sheet is especially suitable for use under alkaline conditions with good steam resistance. It also possesses excellent creep resistance and is suitable for applications with oils, fuels, alkalis and refigerants.

Temperature
Peak: 450°C
Continual: 250°C
Max pressure: 100 bar



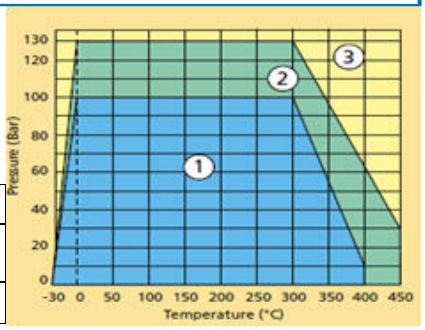
Sx2206	1/32"	1/16"	1/8"
60"x60"			
60"x120"			

Sx2214

The Sx2214 is a unique jointing material specifically designed for use with high temperatures due to its HNBR binding system.

This sheet is a universal type of gasketing material suitable for oil, fuel , steam, gas, water, hydrocarbons, soloutions of organic and anorganic adids, refrigerants, as well as grease.

Temperature
Peak: **450°C**
Continual: **400°C**
Max pressure: **130 bar**



Sx2214	1/32"	1/16"	1/8"
60"x60"			
60"x120"			

Sx2601

The Sx2601 is a modified PTFE consisting of a heat resistant filler.

This sheet has excellent resistance to deformation, high recovery, excellent chemical stability, and no aging. Suitable for chemically agressive applications and rough or uneven flanges.

Temperature: -200°C / +260°C

Sx2601	1/32"	1/16"	1/8"
60"x60"			
60"x120"			

Sx2603

The Sx2603 is made from 100% pure expanded PTFE with a higher density.

This sheet is recommended for use with highly agressive chemicals, and rough or uneven flanges. It is suitable for a wide range of applications in the pharamceutical, food processing, chemical processing and water treatment.

Temperature: -240°C / +230°C
Max pressure: 40 bar

Sx2603	1/32"	1/16"	1/8"
60"x60"			
60"x120"			N/A

Chemical Resistance Table

Chemical	SX2200	SX2201	SX2202	SX2204	SX2205	SX2206	SX2211	SX2214
Acetic acid 100%	C	C	A	A	A	A	A	A
Acetone	B	B	B	B	B	B	B	A
Acetylene	A	A	A	A	A	A	A	A
Air	A	A	A	A	A	A	A	A
Aluminum chloride	A	A	A	A	A	A	A	A
Ammonia	B	B	A	A	A	A	A	A
Ammonium hydrogenphosphate	B	B	A	A	A	A	A	A
Barium chloride	A	A	A	A	A	A	A	A
Benzene	B	B	A	A	A	A	A	A
Boric acid	B	B	A	A	A	A	A	A
Calcium hydroxide	B	B	A	A	A	A	A	B
Carbon Dioxide	A	A	A	A	A	A	A	A
Copper sulphate	A	A	A	A	A	A	A	A
Crude oil	C	C	A	A	A	A	A	A
Cyclohexanol	B	B	A	A	A	A	A	A
Cyklohexanon	C	C	B	B	B	B	B	A
Di-butyl phtalate	A	A	A	A	A	A	A	A
Ethyl ether	B	A	A	A	A	A	A	A
Ethylen	A	A	A	A	A	A	A	A
Ethylen glycol	B	B	A	A	A	A	A	A
Formic acid 10%	B	B	A	A	A	A	A	A
Glycerine	A	A	A	A	A	A	A	A
Hydraulic oil(mineral)	B	B	A	A	A	A	A	A
Hyrdeogen chloride dry	B	B	A	A	A	A	A	A
Hydrocloric acid 20%	C	C	B	B	A	A	B	B
Chlorine dry	B	B	A	A	A	A	A	A
Chloroform	C	C	B	B	B	B	B	A
Iso-Octane	B	B	A	A	A	A	A	A
Kerosene	B	B	A	A	A	A	A	A

Methylene chloride	C	C	C	C	C	C	C	A
Natural gas	A	A	A	A	A	A	A	A
Nitric acid 20%	C	C	C	C	C	B	C	B
Nitrogen	A	A	A	A	A	A	A	A
Petrol	B	B	A	A	A	A	A	A
Petroleum	B	B	A	A	A	A	A	A
Phenol	C	C	C	C	C	C	C	C
Potable water	A	A	A	A	A	A	A	A
Potassium cyanide	B	B	A	A	A	A	A	A
Potassium iodide	A	A	A	A	A	A	A	A
Saturated steam	B	B	A	A	A	A	A	A
Silicon oil	B	B	A	A	A	A	A	A
Sodium carbonate	A	A	A	A	A	A	A	A
Sodium hydrogen carbonate	B	B	A	A	A	A	A	A
Sodium hydrogen sulphite	B	B	A	A	A	A	A	A
Sodium hydroxide	B	B	B	B	B	B	B	A
Sodium chloride	A	A	A	A	A	A	A	A
Sodium sulphate	A	A	A	A	A	A	A	A
Sugar	A	A	A	A	A	A	A	A
Sulphuric acid 65%	C	C	C	C	C	C	C	B
Tartaric acid	A	A	A	A	A	A	A	A
Tetrachlormathane	C	C	B	B	B	B	B	A
Toluene	C	C	A	A	A	A	A	A
Transformer oil	B	B	A	A	A	A	A	A
Turpentine	A	A	A	A	A	A	A	A
Xylene	B	B	A	A	A	A	A	A

A-Recomended
B-Suitability depends on conditions
C-Not suitable

Chemical Resistance Table SX2601 PTFE

CHEMICAL	SX2601	CHEMICAL	SX26012
Acetaldehyde	A	Phthalic Acid	A
Acetone	A	Picric acid	A
Aluminum Sulphate	A	Pyridine	A
Ammonium Chloride	A	Salicylic acid	A
Ammonium Hydroxide	B	Silver Nitrate	A
Aniline	A	Sodium carbonate	A
Benzene	A	sodium hydroxide	B
Boric Acid	A	Sodium Nitrate	A
Brine	A	Sodium peroxide	A
Bromine (anhydrous)	B	Sodium silicate	C
Carbon disulphide	A	Sodium sulphite	A
Chloroacetic acid	A	Starch	A
Chlorobenzene	A	Sulphuric acid	A
Chloroform	A	Tallow	A
Chromic acid	B	Tannic acid	A
Citric Acid	A	Tartaric acid	A
Diethyl ether	A	Trichloroethylene	A
Ethylene glycol	A	Zinc chloride	A
Fatty acids	A		
Ferric chloride	A		
Ferric sulphate	A	A: EXCELLENT	
Flurosilicic acid	C	B: FAIR	
Formic acid	A	C: UNSASTISFACTORY	
Freon* (liquid)	A		
Hydroboric acid	B		
Hydrocloric acid	B		
Hydrocyanic acid	B		
Hydroflouric acid	C		
Hydrogen sulphide (soloution)	C		
Lead acetate	A		
Maleic acid	A		
Mercury salts	A		
Molasses	A		
Naphta	A		
Naphthalene	A		
Nickel Salts	A		
Nitirc acid (0-50%)	B		
Nitro benzene	A		
Phenol	B		
Phosphoric acid	A		

Rubber & Urethane

Custom-made sealing systems for any application

Seal X will customize these products for a large range of applications to suit your specific needs.

Types of Rubber:

- Natural Rubber;
- Linatex;
- S.B.R.;
- Neoprene;
- Hypalon;
- Heavy Hypalon;
- Viton;
- Chloro Butyl;
- Silicone;
- Other rubber;
- Wide range of durometers.

Seal X has 5 Hydraulic Compression Molding Presses to meet all your requirements.

Other Products:

- Wearable pump parts (Impellers, Gland & Suction Liners);
- 2X2 up to 10X8 SRL Parts;
- Drill parts
- Locomotive suspension Parts
- Check Valve Parts
- Shotcrete Nozzles
- Custom Rubber and Urethane Parts.

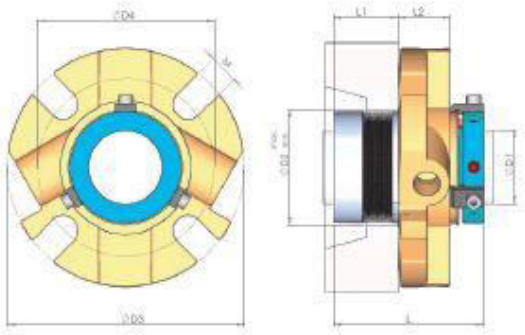
Style 600 Sleeveless

We are proud to introduce the result of our most intensive engineering research into sealing devices. This is the first mechanical seal which incorporates a conical stuffing box design, allowing this seal to be used with great success on slurries and dirty fluids. Until now all mechanical cartridge seals have been designed with an integral shaft sleeve. This revolutionary sleeveless design allows for installation on pumps where it was previously considered impossible to install a cartridge mounted seal. The sleeveless design also allows for greater radial run-out of the shaft. With no seal parts inside the stuffing box, slurry and dirt cannot clog the seal therefore increasing seal life. This new seal also incorporates a gland plate with flushing connection and large, solid seal faces manufactured from sintered materials mounted on flexible elastomers, which also act as shock absorbers. This seal offers great reliability under the harshest of working conditions. The highly competitive cost of both the seal and the spare parts, when compared with other cartridge mounted mechanical seals, offers the user real cost benefits and makes this the only real innovation in the sealing market for many years. Gland with integrated features of conical stuffing box and flushing No seal parts inside pump stuffing box Dynamic elastomer working on sintered ceramic materials "Fretting corrosion" free Multiple springs out of the fluid Conical shape of stationary face with wide room for misalignments compensation and not allowing any clogging Monolithic rotary face Hydraulically balanced monolithic stationary face computer designed with F.E.A. (Finite Element Analysis) Extremely compact dimensions static elastomer with shock absorbing feature.

API 682 Seals

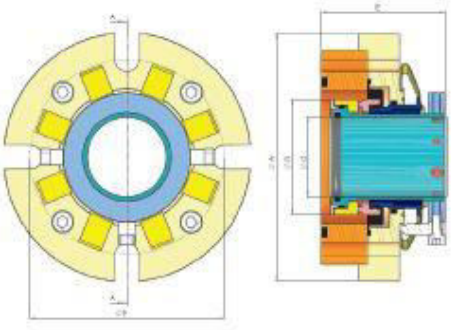
Seal-X provides a complete range of mechanical seals perfectly suitable for API 682 applications. More information will be soon available. Meanwhile, feel free to contact us for any request or application regarding API seals.

Style 780



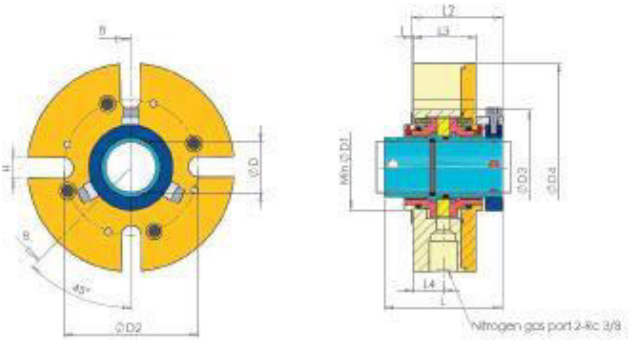
The Style 780 seal represents an important evolution on welded metal bellows mechanical seals. It is structured as a cartridge mounted seal with metal bellows exclusively made of Hastelloy C276 which grants unique features in terms of mechanical resistance, stress tolerance and high flexibility. Thanks to the exclusive "spring-lock" system, the rotary part can be removed from the sleeve for possible maintenance or replacement. The gland, made of micro casted SS316, is equipped with ports for flush and quench. The seal is available in two versions: F and Q, the second one with integrated secondary containment system for quench fluid. Sleeve and outside ring are manufactured as single piece lathed from a solid SS316 bar: this solution grants high strength and resistance to vibrations, impossible to be achieved with traditional two-pieces systems.

Style 801



The Style 801 seal has been designed after long and deep analysis of the reasons of early failure of seals installed on pumps for slurries, paper stock, sewage, and other highly charged fluids. Its main feature is the synthetic rubber diaphragm which to-tally eliminates the possibility of clogging. External blade springs transfer pressure directly onto the stationary face. The diaphragm is sup-ported with an inert synthetic grease filled cavity between the rubber diaphragm and the o-ring of stationary face. This prevents the stuffing box pressure from deforming the diaphragm and ensures perfect alignment of both seal faces. Both monolithic structure seal faces are made with the latest generation sintered materials. Springs acting on the stationary face ensure tension and vibration-free operation. This seal can be successfully used on all the fluids with high or extremely high solids concentration.

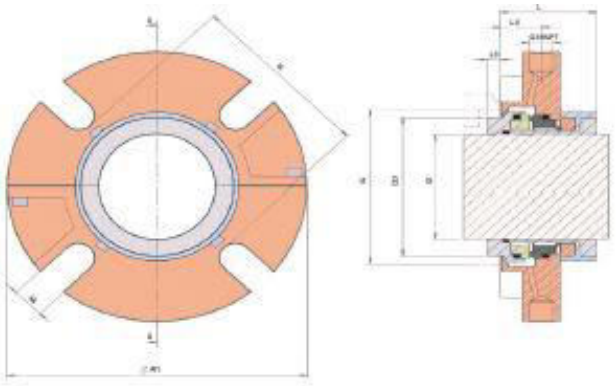
Style 877



The dry running gas seal is today one of the most efficient way of sealing for rotating shafts on compressors, fans and gas handling equipment.

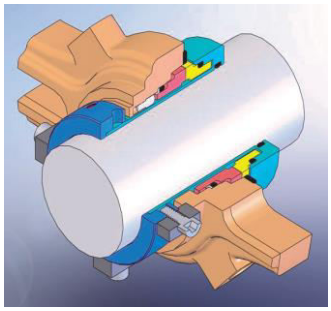
Seal Style 877 is an extremely compact double seal with face-to-face configuration in a pre-assembled cartridge unit with bi-directional driving. It covers all standard applications for gas-seal without need of modification of existing machinery. The inert buffer gas, usually nitrogen, between the faces at a higher pressure than that of sealed fluid, ensures that no emissions or leakage can contaminate the atmosphere. The bi-directional driving is achieved by simply turning the seal front/back after having changed the position of the sleeve collar. This mechanical seal is particularly suitable for sealing toxic fluids, hazardous gases and contaminated liquids.

Style 888 Split



The Style 888 split seals features the benefits of the "split" design, in terms of practicality, while offering at the same time a higher ease of assembly and installation than most split seals, and a higher compensation capacity for radial and axial misalignment: all the inner components are already assembled and enclosed in the two halves of the gland, thus making the installation of the seal easier, and minimizing all the risks: it has been proved that the two leading causes of failure among split seals are the wrong assembly of the parts and the mishandling of the faces. Style 888 seal prevents such problems, allowing a safe installation even by unspecialized personnel. Likewise, adjustments and modifications can be made without the need to fully dismount the seal.

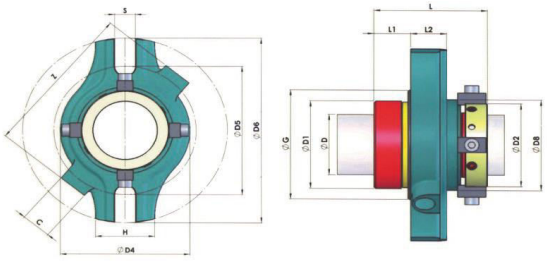
Style 670 "Evolution"



Benefits: This latest and simplest of the MODULAR sys-tem seals, has a very compact gland which enables the seal to be installed on pumps with minimal available room.

1) EASE OF INSTALLATION
The simplicity of the cartridge concept and its size enables this seal to be in-stalled in all centrifugal pumps. NO MODIFICATIONS or MEASUREMENTS are necessary.

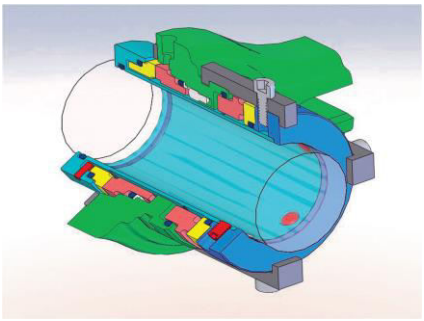
2) LONG OPERATIONAL LIFE.
The stationary seal design of the seal, its cartridge form and the multiple springs design ensures a long lasting, non-clogging seal life.



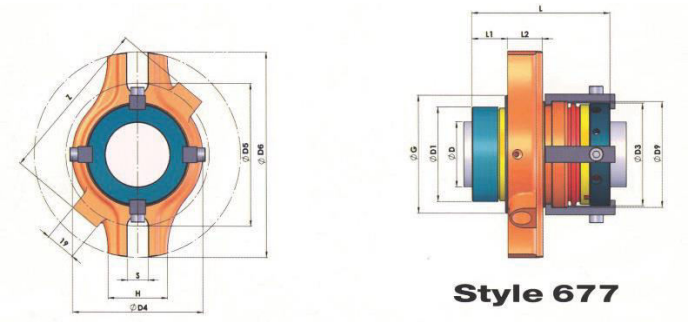
3) COST EFFECTIVE
This seal is currently the most competitively priced cartridge in the world market.

4) INDISPENSABLE
The 670 Evolution special design, with its compact gland and overall dimensions, allows the seal's installation in limited space where others may not fit.

Style 677 RG

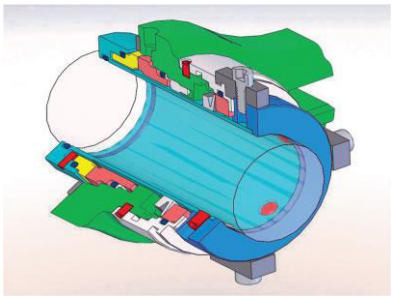


High performances both in clean liquids and slurry. Simplified design gives great reliability, durability and make reparations easier. Versatile, adaptable, with quick and precise installation, double hydraulically balanced, prevents distortions and vibrations due to the absence of metal holder.



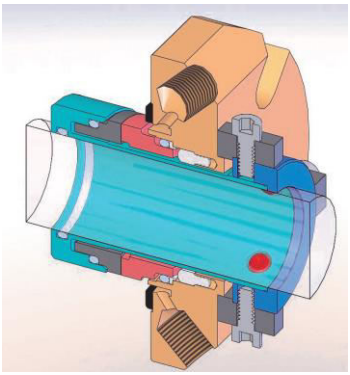
Style 677 SO

High performances both in clean liquids and slurry. Uncomplicated structure, works in all applications in both vertical and horizontal pumps. Adaptable, quick and easy to in-stall, hydraulically balanced, with monolithic faces.



Style 770

Benefits: The simplicity in its advanced design, offers all the cartridge system advantages.



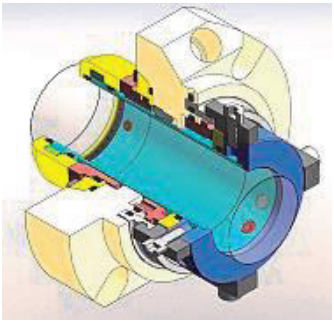
1) EASE OF INSTALLATION
Its integrated cartridge system concept makes this seal extremely easy to in-stall. NO MODIFICATIONS or MEASUREMENTS are necessary.

2) LONG OPERATIONAL LIFE
Stationary seal design guarantees optimum performance. Springs functioning outside the product, ensure non-clogging or corroding.

3) FLUSHING PORTS
The integrated .VORTEX flush connection allows the seal to be in-stalled on vertical pumps and seal dense fluids and slurries.

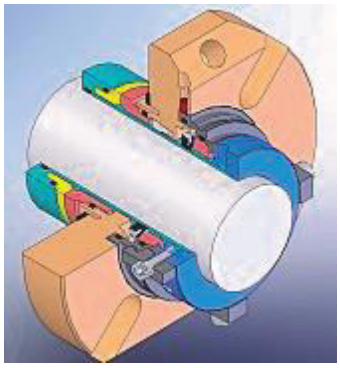
Style 777 DM

Available with most exotic alloys as Hastelloy C or Titanium wet parts. - Monolithic faces. - Double balanced. - Inexpensive if compared to full metal exotic alloys seals. - Very compact. - Belongs to the MODULAR SYSTEM, probably the most advanced seal system in the World. - Available in sizes from 24mm/1" to 85mm/3 1/8". **Custom-tailored glands** Custom external measures to be specified be-fore the order.



SEALX MECHANICAL SEALS

Style 777 SO

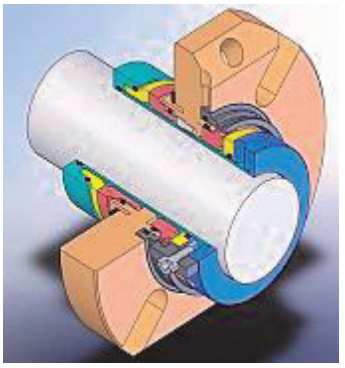


Benefits: Style 777SO is almost a double seal based on simplified design to facilitate off the shelf interchangeability. Ideal for most applications and plant standardization. The advantages of similar to double seal features are enhanced by the presence of a Lip Seal, as a secondary seal.

1) ASSURED QUENCHING: The presence of the Lip Seal makes Style 777SO ideal for use in applications where the pumped product MUST NOT be diluted by any other fluid, usually occurring through flushing. The incorporated QUENCH does not allow mixing.

2) LEAK FREE ENVIRONMENTAL CONTROL: The incorporated Lip Seal does not allow leakage on the atmospheric side, making Style 777SO, the only seal available for applications where double seals cannot be installed due to high cost or lack of space.

Style 777 SW



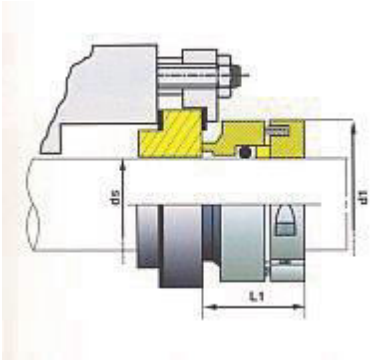
Designed to double seal all double sealing requiring applications. Three FAIL-SAFE features guarantee maximum performance:

1) SAFETY SEAL: Through the incorporation of a low specific gravity barrier fluid at a higher (to the pumped fluid) pressure, guarantees a NO LEAKAGE SEALING concept. Ideal for low lubricity and high abrasion fluids in MIXERS and AGITATORS.

2) TANDEM SEAL: Through the incorporation of a barrier fluid at a higher pressure to the system pressure offers good sealing in higher pressures and improved PV factor for extended maintenance free seal life.

3) STAND-BY SEAL: Barrier Fluid at Atmospheric Pressure used on the back-up secondary (safety) outside seal, ensures unexpected seal failures, resulting to costly shutdowns.

Style 400

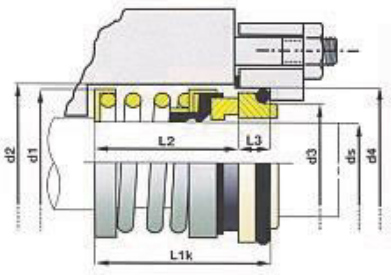


Ideal for all applications requiring that the fluid pumped should not come in contact with any metal seal parts. Based on advanced "full solid" technology manufacturing method, this seal can be installed on shafts of any material due to its special clamping ring. Style 400 is hydraulically balanced and replica watches for sale pre-compressed, making its installation simple, easy and very fast.

SEALX MECHANICAL SEALS

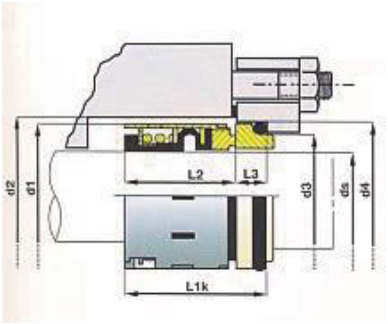
Style 520-521

This seal represents the best alternative where a price/quality factor is critical. Without a dynamic O-Ring sealing of the shaft, it guarantees no fretting while the seal's narrow cross section reduces surface running and allows extra lubrication on the seal faces, prolonging seal life. The use of a rubber bellows (instead of an =-Ring) provides the highest possible flexibility in absorbing shafts end play and run out, ensures swiss Replica Watches faces remain in contact at all time and makes the seal independent of shaft rotation.



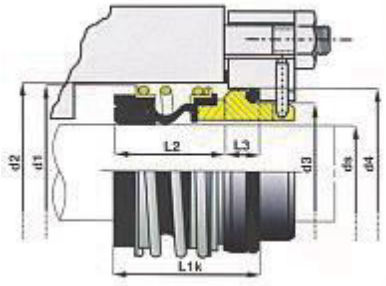
Style 522

Designed for installation in machinery operating according to EN 12756-L1K standard. The rubber bellows is supported by a metal body, enabling the seal to operate in particularly heavy fluid applications with excessive run-out.



Style 523-524

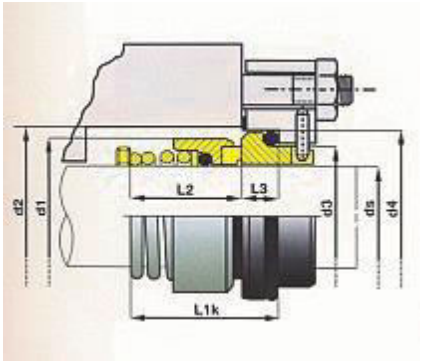
These types of seals have a wide section elastomeric bellows which guarantees maximum flexibility and run-out tolerance. The rubber bellows with its outer spring, drives the seal and secures face contact in both rotation directions. Suitable for use in various fluids, including slurries, sewage and waste water.



Style 523 is the short length version and style 524 meets EN 12765-L1K standard.

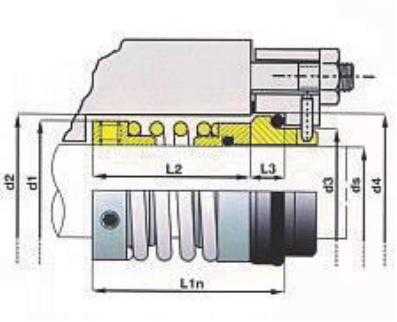
Style 530

Very popular, widely used, high volume, low priced seals. The large self-cleaning spring is dependent on shaft rotation, which has to be specified when ordering. Suitable for most medium level applications, offers great flexibility, compensates for wide shaft run-out and is able to accept replica watches uk different elastomers (O-ring) f or sealing a wide range of fluids.



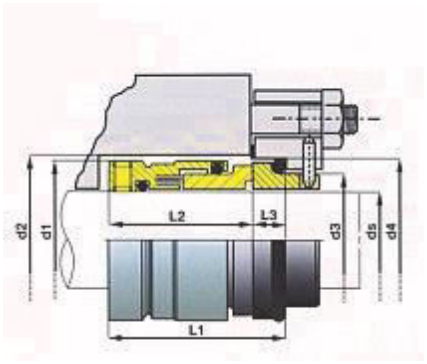
Style 531

Rotary pusher type mechanical seal with cylindrical heavy duty spring. The open design of the spring avoids accumulation of solids, the flexible drive tolerates shaft misalignment and keeps always faces contact without driving pins. Available in balanced design.

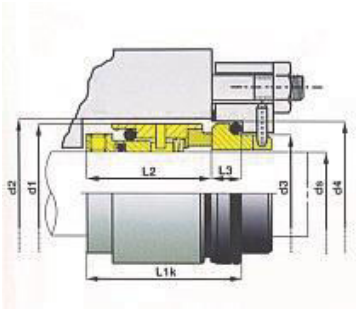


Style 550

This seal represents an important tool for maintenance as well as an indispensable "part" for the OEM in manufacturing of modern centrifugal pumps. Hydraulically balanced, the seal incorporates a "full solid" monolithic face made of the most advanced ceramic materials, Hastelloy C multiple springs operating outside the fluid, large section drive pins and the dynamic O-Ring working on the actual sliding face. It is highly recommended for use in a wide range of fluids applications, particularly where the product may be aggressive or difficult. The metal body design of this seal is surface treated by saturation and offers excellent self-clearing properties, allowing maximum performance in heavy fluids, slurries, sewage, pulp and paper applications achieving an extension of the MTBF terms.

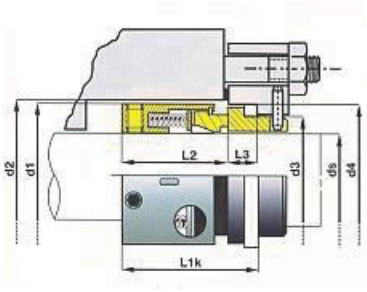


Style 551



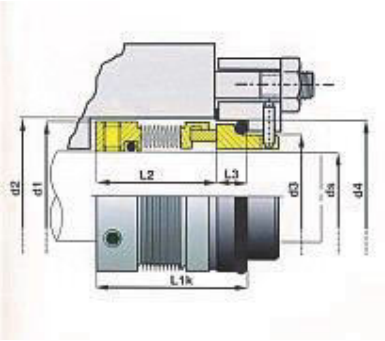
Ideal solution in stuffing boxes with limited space, where Style 550 could not fit. Style 551 conforms with the EN 12765 L1K length requirements, which enables it to be easily installed in all pumps manufactured to this standard. Will replace most seals without the need of any modification. It is a balanced seal with rolex Replica uk a wave spring instead of multiple springs, not in contact with the product, suitable for all applications, particularly where dense fluids, slurries and abrasive require the use of a heavy duty reliable seal.

Style 558-559



Pusher type rotating seal with a PTFE wedge sealing on the shaft. This replica watches uk PTFE wedge retains the sealed fluid and follows the seal movement to compensate for shaft run-out and end play. This extremely effective seal designed to meet API standard and featuring multiple spring action, is suitable for a wide range of applications, particularly in refineries and petrochemicals process plants. It is available in both metric EN 12756-L1K and imperial (inch) sizes. Style 558 uses an elastomeric O-Ring instead of a PTFE wedge. Available upon request in balanced configuration 558B - 559B.

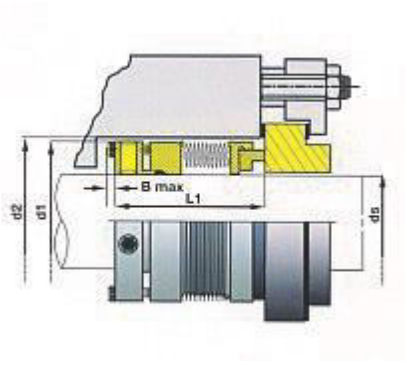
Style 580-581



By not having any secondary dynamic on the shaft or sleeve, the elastomer hanging-up caused by leakage or excessive misalignment is completely avoided. In the welded metal bellows seal the bellows itself provides the spring loading necessary to maintain face contact. Because the Bellows is a one piece unit supported both around its circumference and along its total length an even pressure is applied to all points on the sliding faces. This seal offers the best solution to a wide range of applications, on high and low temperatures, on viscous liquids and slurries.

Style 590-591

This seal is the SEAL-X solution to high temperature sealing applications. Due to the total absence of elastomers, replaced by an expanded graphite seal ring, Style 590 HT omega Replica Watches can be used in temperatures of up to 450°C. Typical applications include chemical and petrochemical processing plants, heat exchanging oil, overheated water, etc. The metal bellows is made by heat treated AM350 alloy.

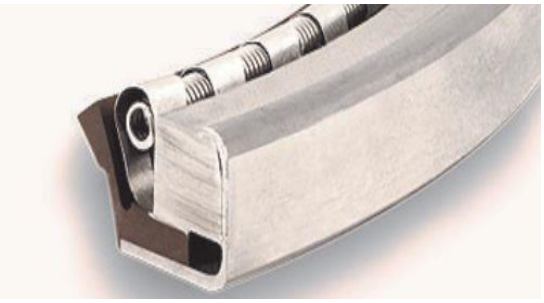


Style 85 & 85M

- **The easiest installation of any split seal in the world:** Simply attach 2 halves over the shaft and mount to the pump like any other cartridge seal.
- **Only split seal in the world in which just two pieces are handled:** No handling of lapped faces as both are secured safely in cartridge halves. Faces can't be cocked, chipped or scarred.
- **Only split seal in which impeller can be adjusted without removing the seal:** Simply reinstall setting clips, release set screws and adjust impeller position then retighten set screws and remove the clips.
- **The only split seal fully assembled and pressure tested at the factory:** We ensure the sealing integrity of each Style 85 before is sent to the field. This process gives your installation an even higher success rate.
- **No measurements, no shims, no special tools, no glue:** Standard cartridge setting clips assures proper axial and radial alignment and makes installation even easier.

The style 85M is specifically designed to handle this additional shaft movement, increasing long-term seal reliability while giving you the best performance you need for your equipment. Plus, the Style 85M features the same ease of installation as our standard Style 85.

ROTARY SHAFT SEALS



OIL SEALS

The rotary shaft oil seal is an indispensable component in any lubricated rotating equipment. Our seals provide the right solution to every sealing problem. Seal X rotary shaft oil seals are produced according to modern engineering techniques with high-performing materials, as requested by industry specifications.

WIPER SEALS

Rod wipers for alternative linear movements have been designed to give first-class protection to seals and driving bodies in hydraulic and pneumatic cylinder applications. The main function of the rod wiper is to keep the rod clean from any possible impurity.

HIGH PRESSURE OIL SEALS

Seal X produces a full range of textile rubber oil seals designs, including the profiles for high pressure applications. These special profiles are variations of the standard ones, engineered to guarantee excellent performance with such working conditions.

V-Rings

Endless all-rubber face seal produced up to 2.100 mm in one single piece and joint-vulcanized for larger diameters. It works as a front seal and it is the perfect solution to prevent contamination from dirt, dust, or water. It can be used as a secondary seal to protect the primary seals.

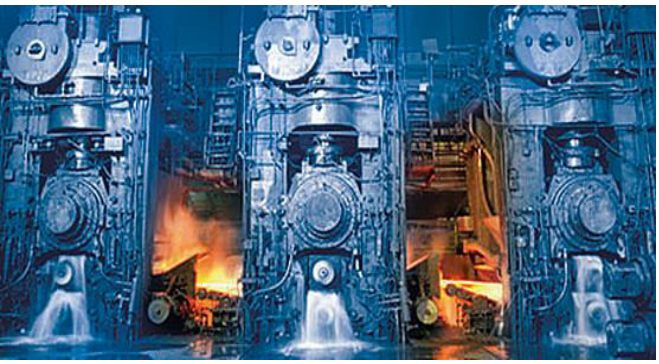
Technical Rubber Products

- Anti-vibration Seals
- Vacuum and Suction seals
- Cover Bearing
- Sheave Bearing
- Custom made rubber products
- Pitch Bearings Profile
- Sealing Rings
- U-Cups
- Bore seals
- Front Seals

APPLICATIONS

Paper Mill Industry

The paper industry requires performing Seals to match the always faster speeds reached in the most modern production plants. The continuous engineering and application's research from Seal X Supply has allowed the creation of a family of seals able to guarantee the lubricating of the Shafts even facing misalignments, pressures and high temperatures generated from the high production capacities by the most modern equipment.



Metals Industry

High-Performance Sealing Rings are a must in this industry, due to the aggressive chemicals in the cooling baths, and the high working speeds of the machinery. Seal X Supply proposes a wide selection of Seals to guarantee a solution for all the demands of this industry.

Wind Mill Industry

The Seal X production capacity for Seals reach out the diameter of 3.000 mm and more. For years we are suppliers to producers of Wind and Hydro Turbines with Sealing Rings and Seals of any kind, matching the always much more critical demands of the construction specifications.

APPLICATIONS

Mining Industry

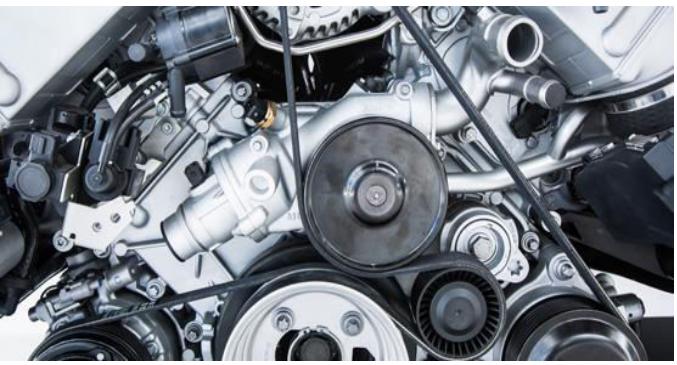
For the Mining Industry the right sealing solution solves the most of the problems due to wear caused by abrasive materials and limited working conditions. Our seals guarantee top performances even in polluted environments, and with high pressures.

Marine Business

Seal X proposes a wide range of Seals for the Naval Industry, that guarantee a long life to both the engines and the propellers, combined with an easy assembly during the maintenance process.

Power Generation and Supply

Seal X Supply offers sealing solutions for various power generation systems: Carbon, Fuel, Gas Turbines etc.…



General Industry

Thanks to the wide range of standard and custom made Seals, produce in rubber-to-metal and various elastomers, Seal X Supply can cover all the possible requests for many industrial sectors.

SEALX COMPRESSION PACKING

SEALX

Textile Solutions for your Sealing Needs

APPLICATION

Seal X packing products are used to seal shafts, rods, and seats, to prevent the escape of gas or fluids.

The **main fields of application** are:
- **Static seals** (covers, frames, furnace doors, boilers);
- **Stem seals** (valves);
- **Moving shaft seals** (plunger pumps);
- **Rotating shafts** (centrifugal pumps, mixers, stirrers);

CHARACTERISTICS

Depending on the end use, certain **characteristics** must be assessed:
- **Flexibility;**
- **Elasticity and elastic return** - to guarantee tightness under pressure;
- **Homogeneity** - acting as a guarantee of efficient service and longer life;
-**Compact external surfaces** - guaranteeing tightness while avoiding excessive tightening pressure and possible wear to the shaft;

BOX SIZE CHART

Size mm.	3.2	3.9	4.8	6.4	7.9	9.5	11.1	12.7	14.3	15.9	17.5	19.1	20.6	22.2	23.8	25.4
Size inch.	1/8"	5/32"	3/16"	1/4"	5/16"	3/8"	7/16"	1/2"	9/16"	5/8"	11/16"	3/4"	13/16"	7/8"	15/16'	1"
kg box standard	KG. 1			KG. 2.5					KG. 5							
lbs box standard	Lbs. 2.2			Lbs. 5.5					Lbs. 11							

SX9015

SX9015 Braid packing consisting of GFO yarns reinforced on the corners with pure kevlar yarns with diagonal interweaving. This combination improves the mechanical resistance of the braid packing and its resistance to extrusion and high pressures.

RECOMMENDED USES

Pumps; piston pumps; centrifugal pumps; stirrers; valves; centrifuges; acids; oils; solvents; abrasive substances; waste water; hot water; suitable for paper mills, the food industry, the chemical and petrochemical industries, water treatment plant and boilers.

(*)				
T	℃	-100 / +250		
p	bar		250	50
V	m/s		3	25
pH		3 ÷ 12		

SX9021

SX9021 - Braid packing consisting of 99.9% pure, flexible, expanded graphite; it has all the features of the pure graphite packing at an economically favourable price. Extremely easy to use..

RECOMMENDED USES

Valve stems, feed pumps, chemicals with the exception of strong oxidizers, suitable for water treatment, chemical industries, electrical power stations, nuclear power stations, petrol industry, and refineries.

T	℃	-100	+450 (1) / +650 (2)	
p	bar	300 (3)	20	40
V	m/s	1	2	25
pH		0 ÷ 14		

SEALX COMPRESSION PACKING

SX9020

SX9020 -Braid packing consisting of 99,9% pure, flexible, expanded graphite inconel reinforced; it has all the features of the pure graphite+ inconel packing at an economically favourable price. Extremely easy to use.

RECOMMENDED USES

High temperatures; valve stems; suitable for the chemical industry, electricity power stations, nuclear power stations, the petrochemical industry and oil refineries.

T	℃	-100	+450 (1) / +650 (2)	
p	bar	300 (3)		
V	m/s	1		
pH		0 ÷ 14		

SX9030

SX9030 - Braided packing with twisted long aramid fibre yarn. The impregnation occurs in three phases: on the yarn, during the braiding and on the packing body.

RECOMMENDED USES

The packing is recommended on centrifugal and reciprocating pumps, pulpers and mixers with a large amount of fluids.

(*)				
T	℃	-100	+250	
p	bar		80	30
V	m/s		2	20
pH		3 ÷ 12		

SX9031

SX9031-Stuffing box packing with exclusive interweaving using aramidic yarns and pbi® twisted yarns on the corners. This packing is impregnated in three stages: the individual yarn, the ply and during braiding. Good dimensional stability and stability.

RECOMMENDED USES

Piston pumps; centrifugal pumps; low pressure valves; static seals on covers; mixers; reactors; sea water; suitable for the food industry and paper mills.

(*)				
T	℃	-100	+250	
p	bar		80	30
V	m/s		2	20
pH		3 ÷ 12		

SX9035

SX9035 -Braid packing consisting of continuous aramidic yarn, impregnated with dispersed ptfe and a lubricant, inflammable and heat-stable; this packing does not stain, has a low friction factor and dissipates the heat generated by the peripheral speed when used with centrifugal pumps.

RECOMMENDED USES

Steam; water treatment; airlocks; low pressure valves; expanding joints; solvents; piston shafts; steam; light acids; alkalis; oil; universal use, except with oxygen, strong alkalis and oxidants; suitable for paper mills, the petrochemical and chemical industries and electricity power stations.

(*)				
T	℃	-100	+280	
p	bar		100	25
V	m/s		3	10
pH		3 ÷ 12		

SX9040

SX9040 - The advantage of this yarn is to combine the benefits of PTFE and graphite. Through encapsulating the graphite in expanded PTFE we avoid the graphite to escape and therewith eliminate the thermal expansion that is so common to all PTFE packing.

RECOMMENDED USES

Particularly suitable for centrifugal pumps and low pressure valves. It is excellent packing for general use in all fluids, except in strong oxidizers such as oleum, fuming nitric acid, aqua regia and fluorine.

(*)				
T	℃	-200	+280	
p	bar		200	50
V	m/s		2	25
pH		0 ÷ 14		

SX9041

SX9041 - Braid packing consisting of expanded GFO® gore ptfe yarns with encapsulated graphite particles. This structure offers a low friction factor and dissipates the heat of the pumps without hardening the braid packing itself.

RECOMMENDED USES

Centrifugal pumps; low pressure valves; oil; solvents; acids and alkalis; as a gasket seal for all products with the exception of oleum, fuming nitric acid, turpentine and fluorine; suitable for paper mills, the chemical and petrochemical industries, water treatment plants and boilers.

(*)				
T	℃	-200	+280	
p	bar		200	50
V	m/s		2	25
pH		0 ÷ 14		

SEALX COMPRESSION PACKING

SX9060

SX9060- Braid packing specifically developed to replace asbestos at a low price. With universal usage, it is made from synthetic yarns impregnated with PTFE and inert lubricants during braiding. Very flexible and elastic, it adapts well to stuffing boxes, is nonpolluting and does not stain.

RECOMMENDED USES

Piston pumps; centrifugal pumps; valves; suitable for the petrochemical and chemical industries, electricity power stations, paper mills, sugar factories and the food industry.

(*)				
T	°C	-100 +250		
p	bar	100	80	50
V	m/s	1,5	2	15
PH		2 ÷ 12		

SX9062

SX9062-This braided packing is manufactured with synthetic phenolic yarns. These fibres show the mechanical strength of the aramid fiber and the chemical inertia and low friction factor almost like the PTFE fibres. To achieve the best results every single strand of this packing is impregnated with PTFE and with a special silicone free lubricant.

RECOMMENDED USES

Suitable for centrifugal and reciprocating pumps, mixers, refiners. It is compatible with weak acids and alkalis, water, steam and solvents. Avoid sulphuric and nitric acids and strong alkalis.

(*)				
T	℃	260		
p	bar		60	25
V	m/s		2	15
pH		1 ÷ 13		

SX9070

SX9070 - Braid packing consisting of pure PTFE yarns impregnated with dispersed ptfe and an inert lubricant, with diagonal interweaving to guarantee a perfectly square cross-section. It has a low friction factor, and so does not scratch the shaft; inert to all chemical products apart from alkaline metals.

RECOMMENDED USES

Centrifugal pumps; valves with air and gas; oxidants and aggressive chemicals; concentrated acids; steam; suitable for the petrochemical and chemical industries, paper mills and the food industry

(*)				
T	℃	-200 +280		
p	bar		100	25
V	m/s		2	8
pH		0 ÷ 14		

SX9072

SX9072- Braid packing consisting of lubricated pure PTFE yarn, strengthened on the corners with pure kevlar® yarn, impregnated yarn-by-yarn with dispersed PTFE and lubricant.

RECOMMENDED USES

Reciprocating motion; high pressure and speed; solvents; weak acids; aggressive gases; alkaline products; aggressive chemical fluids apart from molten alkaline metals; universal use apart from oxygen; suitable for paper mills; electricity power plants; chemical and petrochemical industries and water treatment plants

(*)				
T	℃	-200 +280		
p	bar	500	300	25
V	m/s	1.5	2	10
pH		3 ÷ 12		

SX9080

SX9080 - A packing consisting of multi-filament Pan Carbon yarns with long fibres. Impregnated with a special blend of PTFE and with the addition of extremely pure powdered graphite.

RECOMMENDED USES

The packing is suitable for applications in service pumps in a wide range of fields. Oil, chemical, ship-building and boiler-making industries.

(*)				
T	°C	-60 +280		
p	bar	200	100	50
V	m/s	1,5	2	25
PH		1 ÷ 13		

SX9081

SX9081 - Braid packing made from carbon yarn, impregnated yarn-by-yarn with purest graphite powder. PTFE dispersion treatment to eliminate the possible migration of the carbon fiber.

RECOMMENDED USES

Pumps; valves; stirrers; strong chemical agents; petrol; water; air; alkalis; organic and non-organic products; sewers; saline water; phosphates; boiler supply pumps and corrosive gas pumps; suitable for the petrochemical industry; oil refineries and electricity power stations.

(*)				
T	℃	-60 +280		
p	bar	210	100	50
V	m/s	1,5	2	25
pH		1 ÷ 13		

SEALX COMPRESSION PACKING

SX9095

SX9095-Braid packing consisting of texturized E glass 6/9 micron and impregnated yarn-by-yarn with a high percentage of dispersion of PTFE and inert silicone-free lubricant. Features good chemical resistance.

RECOMMEDED USES

Water; steam; solvents; abrasive and crystallised chemical products; static seals; reciprocating motion; valves; covers; gas; mixers; stirrers; oil; water treatment plant; centrifugal and reciprocating pumps; suitable for electricity power stations and the chemical and petrochemical industries.

(*)				
T	°C	-50 +280		
p	bar	60	40	20
V	m/s	1,5	2	15
PH		2 ÷ 12		

SX9097

SX9097-Braid packing consisting of textured E glass 6/9 micron, impregnated yarn-by-yarn with a blend of high percentage graphite and lubricant, with the addition of corrosion inhibitor.

RECOMMEDED USES

Packing suitable for applications as oven doors gasket, manholes, steam, fumes, oils, acids and base stuffs.

(*)				
T	°C	-50 +550		
p	bar		200	
V	m/s			
PH		2 ÷ 12		

SX9050

This packing is manufactured from a virgin cotton yarn which is twisted and then impregnated with greases and special lubricant oils. This packing is soft and easy to install.

RECOMMENDED USES

This packing is particularly suitable for use in pumps, centrifugal pumps, and agitators.

(*)				
T	°F	158		
p	psi			580
V	fpm			1000
pH		6 ÷ 9		

SX9014

Packing manufactured from PAN and expanded graphite yarn, with a graphite powder impregnation. The big advantage of the graphite fiber is that it does not harden nor glaze even at very high temperatures.

RECOMMENDED USES

Particularly suitable on valve stems HP-HT. Also resistant to all chemical products with the exceptions for strong oxidizers.

(*)				
T	°F	-148 +842 (1) / +1202 (2)		
p	psi	4500	290	
V	fpm	300	400	
pH		0 ÷ 14		

SX9061

Packing manufactured from synthetic yarn with a rubber core that gives elasticity and adaptability.

RECOMMENDED USES

Style SX9061 can be used as a static seal on tank covers, manholes, and similar applications.

(*)				
T	°F	-150 +480		
p	psi	1450		
V	fpm	300		
pH		2 ÷ 12		

SX9071

Braid packing consisting of pure PTFE yarns, impregnated yarn-by-yarn with dispersed ptfe, with diagonal interweaving. This has a low friction factor and resists chemical attack.

RECOMMENDED USES

Valves; centrifugal pump shafts; mixers; stirrers; high pressure; reciprocating pistons; register valves; aggressive chemical products; steam; solvents; suitable for the petrochemical and chemical industries and paper mills.

T	°C	-200 +280		
p	bar	500	150	
V	m/s	1	2	
pH		0 ÷ 14		

SEALX | 185 Magill Street|Lively, ON|P3Y1G9| Tel: 705-692-5445 | 1-800-461-0155

SEALX COMPRESSION PACKING

SX9010

SX9010 Braided packing specifically developed to replace graphite asbestos braid packing at a low price. Synthetic yarn is impregnated yarn-by-yarn with a special graphite powder, with the addition of a corrosion inhibitor and top quality lubricants.

RECOMMENDED USES

Water; steam; oil; gas; piston pumps; centrifugal pumps; valves; suitable for the chemical and petrochemical industries, shipping, electricity power stations, cement works and oil refineries.

(*)				
T	℃	-50	+250	
p	bar	60	40	20
V	m/s	1	3	10
pH		4 ÷ 10		

SX9011

SX9011 - Braid packing made from a special pure graphite yarn reinforced with discontinuous metal micro-filament, impregnated in three stages. Particularly suitable for seals in valves and especially wherever high resistance to temperature is required over a long period.

RECOMMENDED USES

High temperatures; valve stems; suitable for the chemical industry, electricity power stations, nuclear power stations, the petrochemical industry and oil refineries.

T	℃	-100	+450 (1) / +650 (2)	
p	bar	300	80	
V	m/s	1	1,5	
pH		0 ÷ 14		

SX9012

SX9012 - Graphite braid packing has the great advantage of not hardening or vitrifying at high temperatures. This packing minimises friction on the axes and has high heat dispersal, is treated with a special solution based on extremely pure graphite powder plus a corrosion inhibitor.

RECOMMENDED USES

Valve stems; supply pumps; chemical products, apart from strong oxidants. Suitable for water treatment plant, the chemical industry, electricity power stations, nuclear power stations, the petrochemical industry and oil refineries.

T	℃	-100	+450 (1) / +650 (2)	
p	bar	300	20	40
V	m/s	1	2	25
pH		0 ÷ 14		

SX9013

SX9013 -Graphite braid packing with a high carbon content (99%), twisted and doubled with several ends for the production of a highly flexible packing that withstands stress and bending, without losing volume or crystallising at high temperatures.

RECOMMENDED USES

High temperatures; valves; suitable for the chemical industry, nuclear power stations, electricity power stations, the petrochemical industry, water treatment plant and boilers.

T	℃	-100	+450 (1) / +650 (2)	
p	bar	200	20	40
V	m/s	1	3	30
pH		0 ÷ 14 (3)		

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Progressive Aboriginal RELATIONS COMMITTED

Canadian Council for Aboriginal Business