




PST

PROJECT SUPPORT TRADING EST.

GASKETS

 +966 50 248 0415, +966 59 324 2213

 sales@pstrd.com, afsal@pstrd.com

www.pstrd.com

TABLE OF CONTENTS

WHO WE ARE	03
GASKET IMAGES	04
METAL RING JOINT GASKET	05
NON METALLIC GASKETS	06
METAL JACKETED GASKETS	07
SPIRAL WOUND GASKETS	08
INSULATION KIT	09
GROOVED GASKETS	10
CONTACT US	11



PROJECT SUPPORT TRADING EST.

We are here to
FUEL YOUR SUCCESS

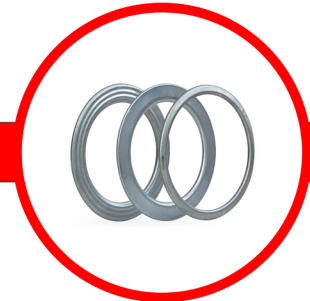
WHO WE ARE

Project Support Trading is a leading company in Saudi Arabia that offers a wide range of Products and Services for the Oil & Gas, Construction, and Industrial Sectors. We Gained a reputation for Quality, Reliability and Customer Service. We are proud to be one of the leading suppliers of gaskets in the Eastern Province of Saudi Arabia. We offer a wide range of Gaskets, both Metal and Non-Metal, to meet the needs of our customers. We also offer a wide range of Safety and Rescue products, as well as a wide range of Industrial Supplies. Our team of highly trained professionals is here to help you make the right choice for your project. We offer free consultations and quotations, so feel free to contact us today to see how we can help you.

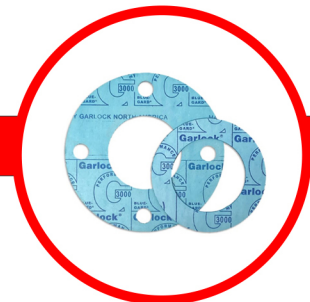
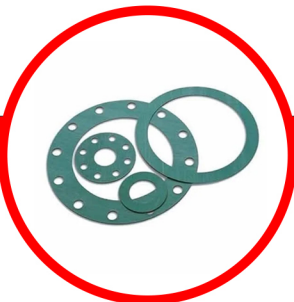
We provide all facilities to the workforce as per Saudi Labor Law and this setup has proven to be the strategy behind our persistent success. We have also an efficient group of people for management.

PRODUCT PHOTOS

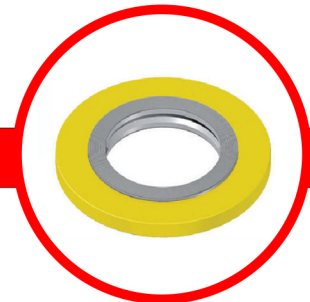
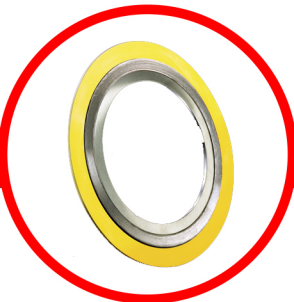
METALLIC GASKETS



NON METALLIC GASKETS



SEMI METALLIC GASKETS



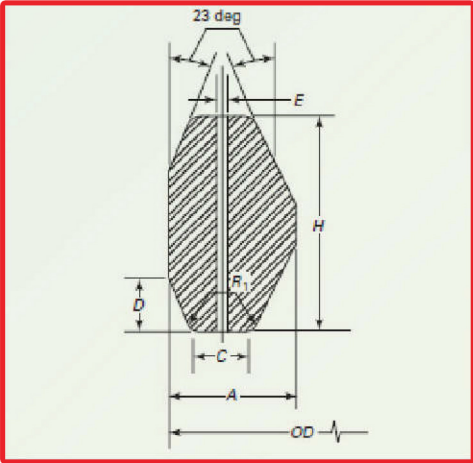
CAMPROFILE GASKETS



METAL RING JOINT GASKET TYPE RX

The RX metal ring joint gaskets are manufactured according to ASME B16.20: 2015 and API 6A. The type RX series is of higher strength materials designed primarily for well-head pressures of 700 bar and beyond.

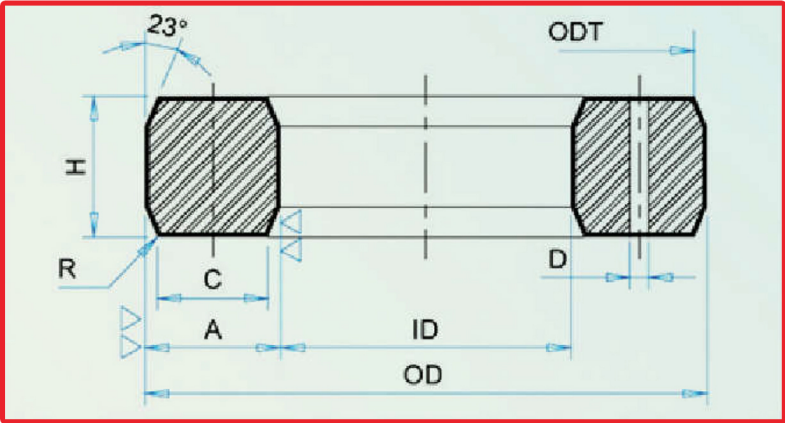
Type RX pressure-energized ring gaskets According to ASME B16.20: 2015 and API 6 A.



METAL RING JOINT GASKET TYPE BX

The BX metal ring joint gaskets are manufactured according to ASME B16.20: 2015 and API 6A. The type BX series is of higher strength materials designed primarily for special applications involving high pressures up to 20,000 psi.

Type BX pressure-energized ring gaskets According to ASME B16.20: 2015 and API 6 A



NON-METALLIC GASKETS

COMPRESSED NON-ASBESTOS MATERIALS



<p>Ferolite Nam 32 Made from Aramid fiber, mineral fiber & inorganic bonded</p>	<p>Max. Peak Temp. 450 °C Max. Cont. Temp. 250 °C Max. Ope. Pr. 150 bar</p>
<p>Ferolite Nam 37 Synthetic NBR Elastomers.</p>	<p>Max. Peak Temp. 400 °C Max. Cont. Temp. 250 °C Max. Ope. Pr. 1 00 bar</p>

PTFE GASKETS



<p>Pure Virgin Teflon</p>	<p>Temp. -230 to +315 Pr. 3000 PSI</p>
---------------------------	--

GARLOCK BLUEGARD GASKETING

BLUE GARD gasketing provides superior sealability and excellent creep relaxation. BLUE GARD gasketing is produced from special blends of synthetic fibers, fillers and elastomeric binders. BLUE GARD gasketing serves as a general purpose gasket material across a wide range of industrial applications.

STYLE 3000

Water, aromatic hydrocarbons, oils, gasoline, mild acids and alkalis.

STYLE 3400/3200

Water, saturated steam, inert gas, mild acids and alkalis.

STYLE 3700

Water, saturated steam, mild acids, strong caustics of moderate concentrations



RUBBER GASKET SHEETS

Rubber is the most cost-effective material to use where temperatures and pressure are low and the chemical environment is mild. Different elastomers offer different mechanical and chemical properties. Cloth inserted materials are better able to handle movement and high compression loads.



METAL JACKETED GASKETS

Metal Jacketed gaskets are specially designed and widely used on smooth flange applications and are ideal for heat exchangers, autoclaves, columns, flue stacks, boilers, gas mains, valve bonnets, pumps and similar services.



Metal jacketed gaskets are available in a comprehensive selection of materials and are custom built to clients' specific design requirements and are almost without any size limitations, should gaskets be required to suit standard specifications, metal jacketed gaskets can be produced to ASME B16.12 and EN 1514-4.

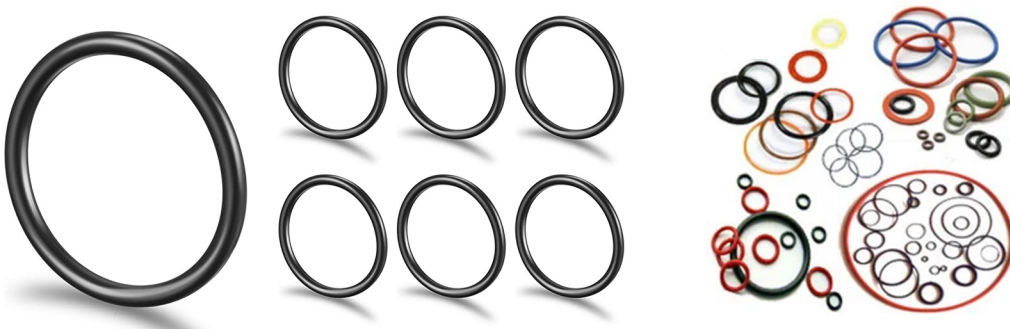
Each gasket is individually hand made with meticulous care, by our highly skilled craftsmen, to ensure ease of fitting and long service life. The gasket metal case protects the resilient filler and is resistant to pressure, temperature and corrosion.

O-RINGS AND BACKUP RINGS

O-rings are used in various machines as compact sealing components. O-rings can generally be classified into dynamic applications and static applications. O-rings have contact with substances to be sealed. Therefore, the material should be chemically stable to such media.

Backup rings are used with O-rings to prevent O-ring protrusion from the groove. They are used for dynamic sealing and for static sealing of cylindrical surfaces. Two backup rings should be installed on both sides of the O-ring when high pressure is put on the O-ring in two directions. One backup ring is installed on low pressure side of the O-ring when high pressure is applied in one direction.

Even when extrusion into the gap does not occur under low pressure, backup rings are recommended because they can extend O-ring service life by preventing O-ring tearing or damage.



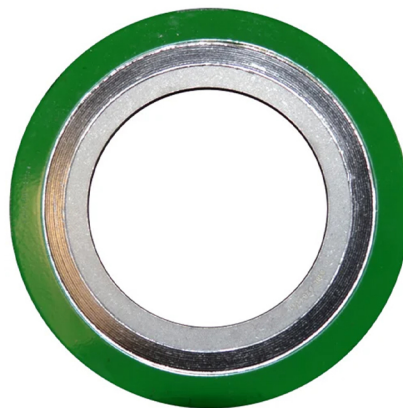
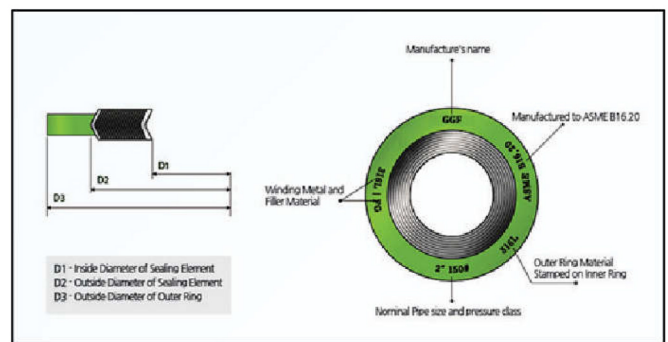
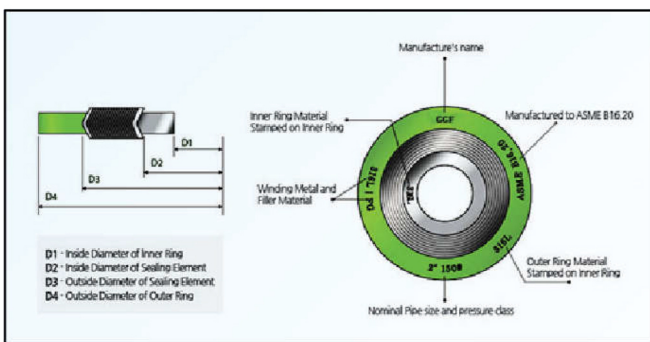
SPIRAL WOUND GASKETS

Spiral Wound is constructed by spirally winding alternate strips of stainless steel and strips of soft filler materials, the metal strips are electrostatically welded.

Applications

- A wide range of media, including steam, oil, hydrocarbons and many chemicals.
- Medium pressure gasket designed for raised and flat face application.
- Excellent tightness properties even under fluctuating load.
- Easy to handle and install.
- For class 900 and above we recommend the use of an inner ring.
- Inner ring protects windings against media and adds stability at higher pressures.

Types of Spiral Wound Gaskets as follows:



GRAPHITE MATERIALS



Pure Graphite
 Graphite SS Tanged (304, 316 & C276)
 Graphite Metal Foil

Ope. Pr. 140 bar
 Temp. 650 °C
 Ope. Pr. 220 bar
 Temp. 650 °C

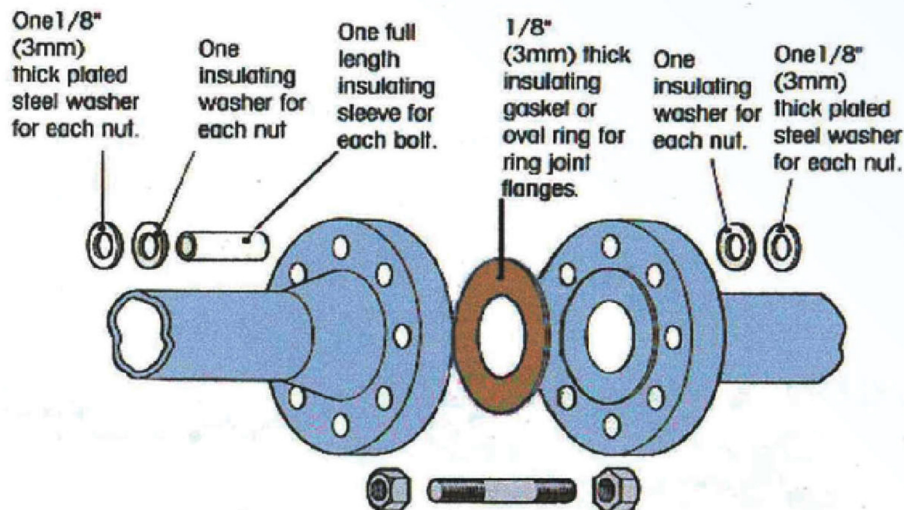
INSULATION KIT

Insulation sets are used to limit corrosion in pipeline systems. Where dissimilar metals are present. The sets remove the possibility of the system acting as galvanic cell and reduce the risk of galvanic corrosion of the pipework.

Insulation sets are also used to isolate cathodically protected piping systems where they prevent the flow of electrostatic charge.

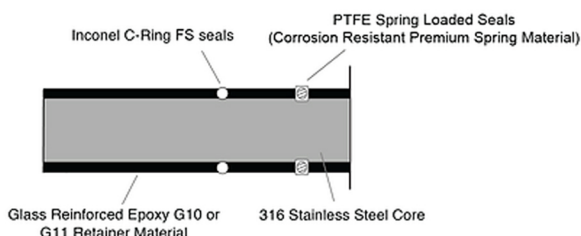
Each flange insulation set comprises one central flat or oval section gasket, one insulation sleeve per bolt and two insulating and two plated steel washers per bolt. The sets are individually packed and clearly labeled with the flange rating, size, and type and material combination.

Typical Example of Insulation Components:



FLANGE ISOLATION KITS

Patriot Fire Sale Flange foilation Kits (PST-FS) are designed to ensure electrical insulation and to combat the effects of corrosion often found in flanged pipe systems by eliminating metal-to-metal contact, static current is halted to prevent corrosion and to aid in the protection of the piping system

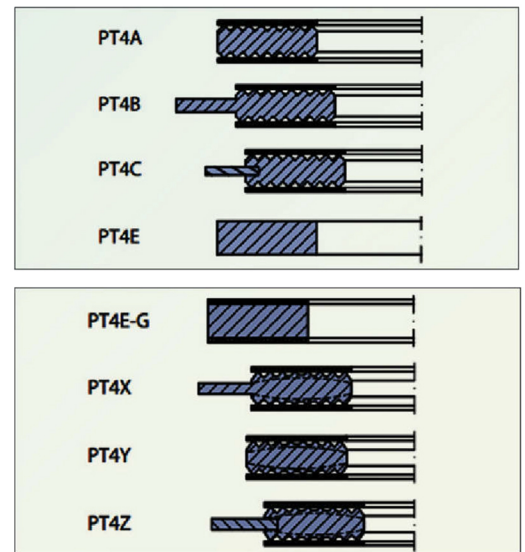


GROOVED GASKETS

Grooved gaskets are excellently suited for sealing of media under extreme operating conditions, such as high operating pressures and temperatures. They combine the specific properties of soft material gaskets (great alignment onto the flange sealing surface) and metal gaskets (high stability and rupture strength). Very low diffusion level and very high Grooved gaskets are ideal replacements for problem applications associated with other similar gaskets as metal jacketed, solid metal, solid graphite or PTFE gaskets.

BENEFITS

Grooved gaskets are excellently suited for sealing media under extreme operating conditions, such as high operating pressures and temperatures. They combine the specific properties of soft material gaskets and metal gaskets.

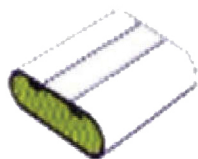


DOUBLE JACKETED GASKETS

We can manufacture by Ferrous and non-ferrous metal and the filler will be graphite or non-asbestos as per customer requirements.

APPLICATIONS

- Boilers and heat exchangers, suitable for narrow sealing faces.
- Metal jacket provides increased gasket stability and blow-out resistance.
- Chemical resistance to a wide range of media can be accommodated by a selection of a suitable metal.



SPECIFICATIONS	
Material	: Soft Iron / Graphite
Max. temperature	: 600 °C
Max. pressure	: 100 bar
Thickness	: 3 mm, other thicknesses available

METAL JACKETED GASKETS

Metal Jacketed Gasket are the most basic type of semi-metallic gasket, combining the high-pressure suitability and blow out resistance of metallic materials with the improved compressibility of soft materials. Metal jacketed gaskets offer an economical seal where sealing faces are narrow and can be produced in a variety of shapes, making them a good option for heat exchanger jointing.

Metal Jacketed Gaskets can be manufactured to suit a range of chemical environments by the selection of a suitable jacketing metal.





PROJECT SUPPORT TRADING EST.

GASKETS

☎ +966 50 248 0415, +966 59 324 2213

✉ sales@pstrd.com, afsal@pstrd.com

205 Makkah Tower, Makkah Street
Thouqbah, Al Khobar 31952 Kingdom of Saudi Arabia

www.pstrd.com