SINCE 2001

SUPERPROOF™

Innovative Sealing Solutions

MECHANICAL SEALS

- Petrochemicals
- Refineries
- Power Plant
- Fertilizers
- Pharma
- Chemical
- Marine
- Food & Beverages

SUPERPROOF

Innovative Sealing Solutions

"We Provide Innovative and Cost-Effective Industrial Solution"

SUPERPROOF Seals Engineering Pvt. Limited was established in the year January, 2001 by one of our young and dynamic Directors name Mr. ZUBER H. CHAROLIA, Mr. AKIL I. MANASIYA and Mr. ASIF MANASIYA in the name of M/s SUPER PROOF ENGINEERING WORKS

The team of Directors having vast experience of more than twelve years in this field before this firm was established. During his experience tenure he worked personally in machining, designing and troubleshooting solution and get lots of experience in sealing solutions of Mechanical Seals in the chemical process industries

After completion of ten (10) years we changed our proprietor firm to the private limited and named M/s SUPER PROOF SEALS ENGINEERING PVT. LIMITED in the year January, 2011

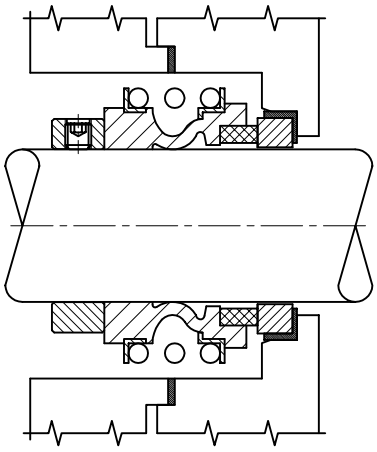
We having our manufacturing unit at Khali, (Siddhpur - Gujarat) with all modern and advanced equipment like CNC machines, lathe machines, drilling machines, grinding and lapping machines etc to testify to manufacture and reach out our valuable customers of their requirement of Mechanical Seals through Quality Control process. Our Mechanical Seals itself as explanatory products to sealing solutions in the chemical process industries.

SUPERPROOF made a research in sealing solution and developed our own type ZR100/D, ZR200/D, 531/D/B (Metallic Pump and mills) and ZR300/D (Non Metallic Pump) Mechanical Seals which is very suitable and given satisfactory performance for Slurry application in Process Industries (Metallic Pump and side entry mill) and Abrasive Slurry in Pickling and ARP plant of Steel Industries (Non Metallic Pump).

SUPER PROOF Seals are designed as per latest International Standard like EN12756 to comply with International norms and regulations on Emission control. Also our firm is TUV Austria EN ISO-9001:2008 certified company which is proven of our quality products of Mechanical Seals

SUPERPROOF having vast clientele in all over India and as well as abroad like Bangladesh, Pakistan, Kingdom of Saudi Arabia, Iran, South Africa etc

Seal Type 21 - Rubber Bellow



FEATURES

Unbalance Pusher Inside mounted Rubber Bellow seal. Independent direction of rotation.

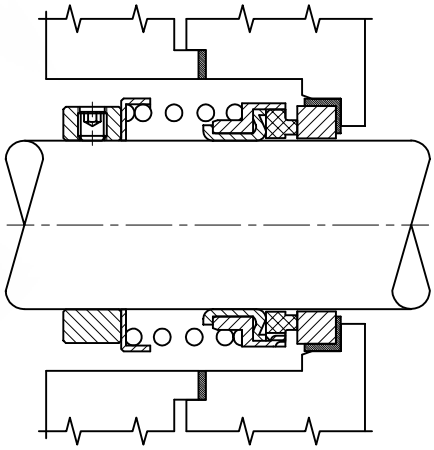
MATERIALS

Seal Ring Faces : Carbon, SiC and TC
Seat Faces : NiR, Ceramic, SiC and TC
Elastomer : Viton, Neoprene, EPDM, NBR and Buna-N
MOC : SS 304 / SS 316

OPERATING CAPABILITIES

Shaft Dia. : 10mm to 100mm
Pressure : Up to 8 bar
Temperature : -20°C to 180°C
Speed : 3000 r.p.m.

Seal Type 22 - Rubber Bellow



FEATURES

Unbalance Pusher Seal. Inside mounted Rubber Bellow seal. Independent direction of rotation.

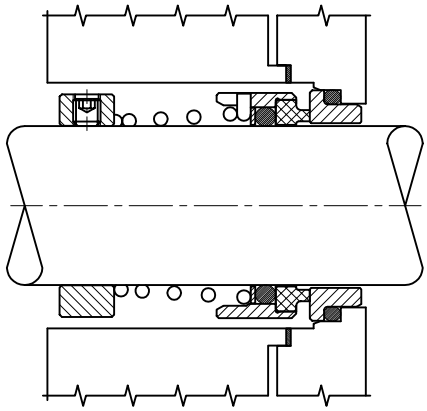
MATERIALS

Seal Ring Faces : Carbon, SiC and TC
Seat Faces : NiR, Ceramic, SiC and TC
Elastomer : Viton, Neoprene, EPDM, NBR and Buna-N
MOC : SS 304 / SS 316

OPERATING CAPABILITIES

Shaft Dia. : 10mm to 100mm
Pressure : Up to 8 bar
Temperature : -20°C to 180°C
Speed : 3000 r.p.m.

Seal Type 31 - Conical Spring



FEATURES

Unbalance Pusher Seal. Inside mounted Conical coil spring mechanical seal. Secondary seal as O' ring. Independent direction of rotation with central tapered spring.

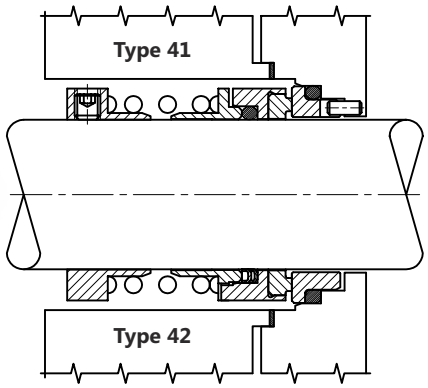
MATERIALS

Seal Ring Faces : Carbon, SiC and TC
Seat Faces : NiR, Ceramic, SiC and TC
Elastomer : Viton, Neoprene, EPDM, NBR and Buna-N
MOC : SS 304 / SS 316

OPERATING CAPABILITIES

Shaft Dia. : 10mm to 100mm
Pressure : Up to 7 bar
Temperature : -20°C to 140°C
Speed : 3000 r.p.m.

Seal Type 41 & 42 - Single Coil Spring



FEATURES

Unbalance Pusher Seal. Inside mounted Helical single coil spring mechanical seal. Secondary seal as O' ring (Type – 41) and 'V' packing as (Type 42). Independent direction of rotation.

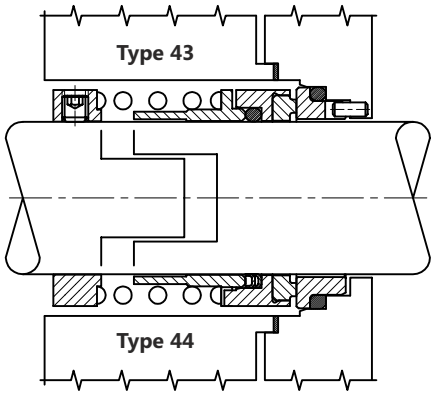
MATERIALS

Seal Ring Faces : Carbon, SiC and TC
Seat Faces : NiR, Ceramic, SiC and TC
Elastomer : Viton, PTFE, GFT, TTV, EPDM, NBR, Buna-N
MOC : SS 316

OPERATING CAPABILITIES

Shaft Dia. : 10mm to 100mm
Pressure : Up to 10 bar
Temperature : -20°C to 150°C
Speed : 3000 r.p.m.

Seal Type 43 & 44 - Single Coil Spring



FEATURES

Unbalance Pusher Seal. Inside mounted Helical single coil spring mechanical seal. Secondary seal as O' ring (Type – 43) and 'V' Packing as (Type 44). Independent direction of rotation through sturdy lugs.

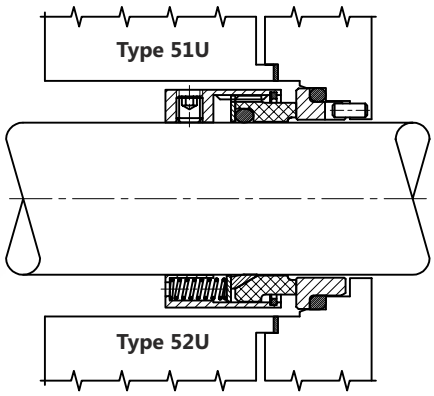
MATERIALS

Seal Ring Faces : Carbon, SiC and TC
Seat Faces : Ceramic, SiC and TC
Elastomer : Viton, PTFE, GFT, TTV, EPDM, NBR, Buna-N
MOC : SS 316

OPERATING CAPABILITIES

Shaft Dia. : 10mm to 100mm
Pressure : Up to 10 bar
Temperature : -20°C to 150°C
Speed : 3000 r.p.m.

Seal Type 51U & 52U - Multi Spring



FEATURES

Unbalance Pusher Seal. Inside mounted Multi spring type mechanical seal. Secondary seal as O' ring (Type – 51U) and PTFE Wedge as (Type 52U). Dual directional design.

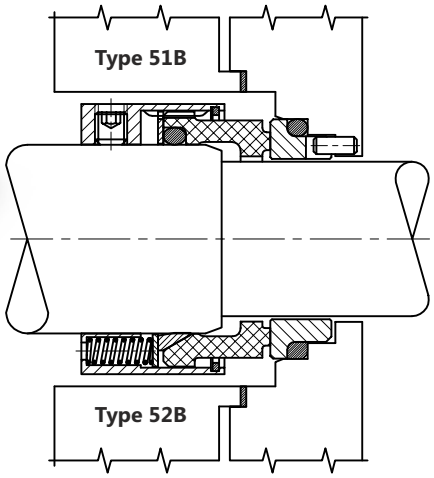
MATERIALS

Seal Ring Faces : Carbon, GFT, SiC and TC
Seat Faces : Ceramic, SiC and TC
Elastomer : Viton, PTFE, GFT, EPDM, NBR, Buna-N and FFKM
MOC : SS 316, Hast –C and Alloy - 20

OPERATING CAPABILITIES

Shaft Dia. : 10mm to 100mm
Pressure : Up to 10 bar
Temperature : -20°C to 260°C
Speed : 3000 r.p.m.

Seal Type 51B & 52B - Multi Spring



FEATURES

Balance Pusher Seal. Inside mounted Multi spring type mechanical seal. Secondary seal as O' ring (Type – 51B) and PTFE Wedge as (Type 52B). Dual directional design.

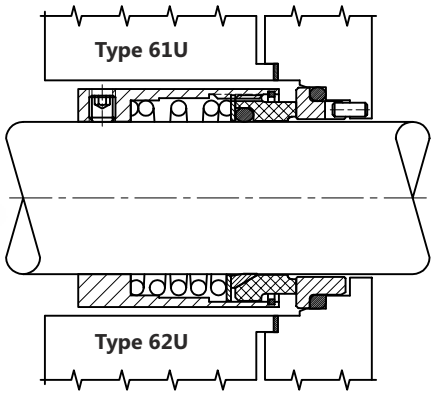
MATERIALS

Seal Ring Faces : Carbon, GFT, SiC and TC
Seat Faces : Ceramic, SiC and TC
Elastomer : Viton, PTFE, GFT, EPDM, NBR, Buna-N and FFKM
MOC : SS 316, Hast –C and Alloy - 20

OPERATING CAPABILITIES

Shaft Dia. : 10mm to 100mm
Pressure : Up to 20 bar
Temperature : -20°C to 260°C
Speed : 3000 r.p.m.

Seal Type 61U & 62U - Single Spring



FEATURES

Unbalance Pusher seal. Inside mounted Helical single coil spring mechanical seal. Secondary seal as O' ring (Type – 61U) and PTFE Wedge as (Type 62U). Independent direction of rotation.

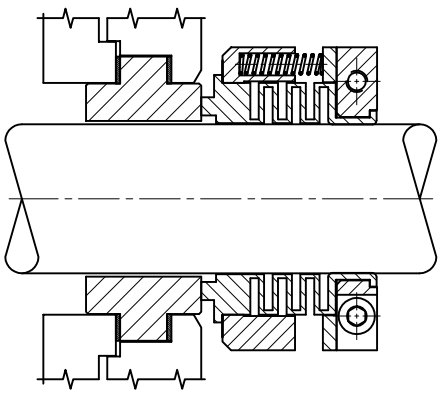
MATERIALS

Seal Ring Faces : Carbon, GFT, SiC and TC
Seat Faces : Ceramic, SiC and TC
Elastomer : Viton, PTFE, EPDM, NBR, Buna-N
MOC : SS 316

OPERATING CAPABILITIES

Shaft Dia. : 10mm to 100mm
Pressure : Up to 8 bar
Temperature : -20°C to 200°C
Speed : 3000 r.p.m.

Seal Type 71 - PTFE Bellow



FEATURES

Outside mounted seal. Hydraulically balanced PTFE bellow mechanical seal. Independent direction of rotation. Dual directional multi spring design.

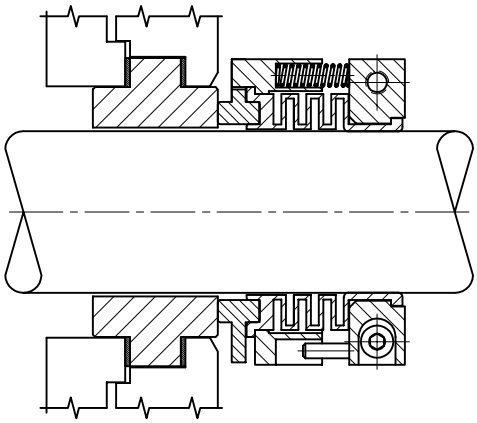
MATERIALS

Seal Ring Faces: GFT, CFT and SiFT
Seat Faces : Ceramic and SiC
Elastomer : PTFE and GFT
MOC : SS 316, Hast –C and Alloy 20
Bellow MOC : PTFE + GFT Composite

OPERATING CAPABILITIES

Shaft Dia. : 16mm to 80mm
Pressure : Up to 5 bar
Temperature : -30°C to 110°C
Speed : 3000 r.p.m.

Seal Type 72 - PTFE Bellow With Replaceable Face



FEATURES

Outside mounted seal with Replaceable face. Hydraulically balanced PTFE bellow mechanical seal. Independent direction of rotation. Dual directional multi spring design.

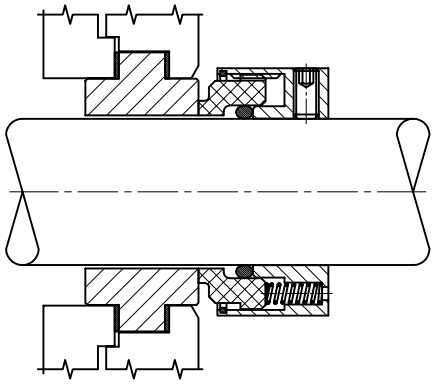
MATERIALS

Seal Ring Faces : GFT, Carbon and SiC
Seat Faces : Ceramic and SiC
Elastomer : PTFE and GFT
MOC : SS 316, Hast –C and Alloy - 20
Bellow MOC : PTFE + GFT Composite

OPERATING CAPABILITIES

Shaft Dia. : 10mm to 100mm
Pressure : Up to 20 bar
Temperature : -20°C to 260°C
Speed : 3000 r.p.m.

Seal Type 73 - Reverse Balance Multi Spring



FEATURES

Outside mounted seal. Reverse balance design. All metallic parts isolated from pumping media. Independent direction of rotation. Dual directional multi spring design.

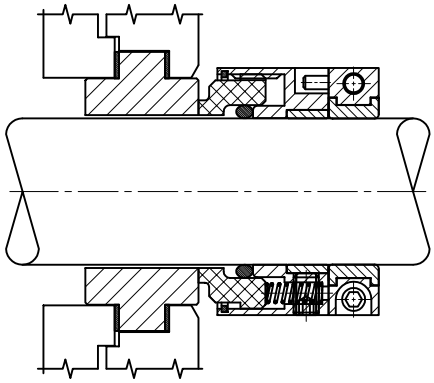
MATERIALS

Seal Ring Faces : Carbon and SiC
Seat Faces : Ceramic and SiC
Elastomer : Viton, EPDM, TTV, FEP and FFKM
MOC : SS 316, Hast –C and Alloy 20

OPERATING CAPABILITIES

Shaft Dia. : 16mm to 70mm
Pressure : Up to 8 bar
Temperature : Up to 120°C
Speed : 3000 r.p.m.

Seal Type 74 - Reverse Balance Multi Spring



FEATURES

Outside mounted seal. Reverse balance design. All metallic parts isolated from pumping media. Especially design clamp ring eliminates slipping on shaft. Independent direction of rotation. Dual directional multi spring design.

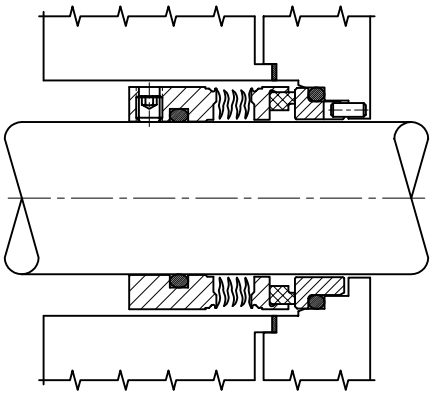
MATERIALS

Seal Ring Faces: Carbon and SiC
Seat Faces : Ceramic and SiC
Elastomer : Viton, EPDM, TTV, FEP and FFKM
MOC : SS 316, Hast –C and Alloy 20

OPERATING CAPABILITIES

Shaft Dia. : 16mm to 70mm
Pressure : Up to 8 bar
Temperature : Up to 120°C
Speed : 3000 r.p.m.

Seal Type 81 - Metal Bellow (O-Ring Type)



FEATURES

Single acting. Dual directional design. Inside mounted seal. Inherently balanced metal bellow mechanical seal. Independent direction of rotation.

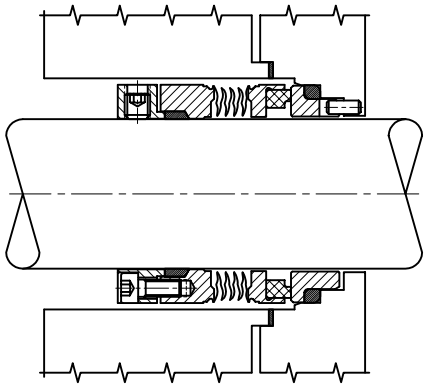
MATERIALS

Seal Ring Faces : Carbon, SiC and TC
Seat Faces : TC and SiC
Elastomer : Viton, PTFE, FEP, EPDM and FFKM
End fitting MOC : SS 316, Hast – C and Carpenter 42
Bellow MOC : HAST – C, Am350, Inconel

OPERATING CAPABILITIES

Shaft Dia. : 25mm to 100mm
Pressure : Up to 25 bar
Temperature : -30°C to 260°C
Speed : 3000 r.p.m.

Seal Type 82 - Metal Bellow



FEATURES

Single acting. Dual directional design. Inside mounted seal. Inherently balanced metal bellow mechanical seal. Independent direction of rotation.

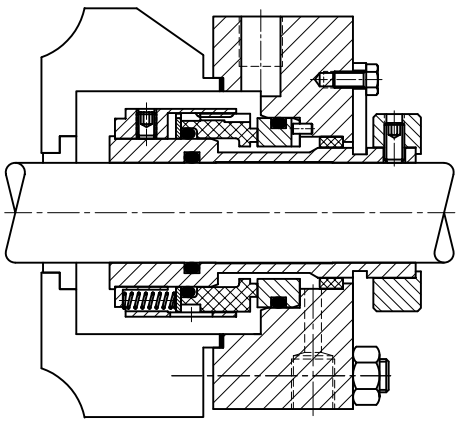
MATERIALS

Seal Ring Faces : Carbon, SiC and TC
Seat Faces : TC and SiC
Elastomer : Flexible Graphite
End fitting MOC : SS 316, Hast – C and Carpenter 42
Bellow MOC : HAST – C, Am350, Inconel

OPERATING CAPABILITIES

Shaft Dia. : 25mm to 70mm
Pressure : Up to 25 bar
Temperature : -70°C to 350°C
Speed : 3000 r.p.m.

Seal Type 55B/C - Balance Cartridge



FEATURES

Single Cartridge balanced mechanical seal Dual directional design. Inside mounted seal. Unitized, easy –to-fit design.

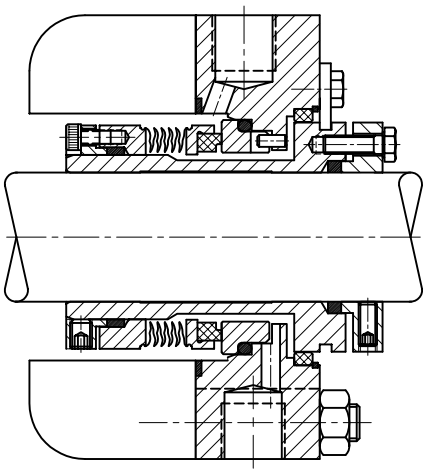
MATERIALS

Seal Ring Faces: Carbon, TC and SiC
Seat Faces : SiC and TC
Elastomer : Viton, PTFE, and FFKM
MOC : SS 316, Hast –C and Alloy - 20

OPERATING CAPABILITIES

Shaft Dia. : 10mm to 100mm
Pressure : Up to 35 bar
Temperature : -30°C to 260°C
Speed : 3000 r.p.m.

Seal Type 82/C - Metal Bellow Cartridge



FEATURES

Single Cartridge mechanical seal. Dual directional design. Inside mounted seal. Inherently balanced metal bellow mechanical seal. Unitized, easy –to-fit design.

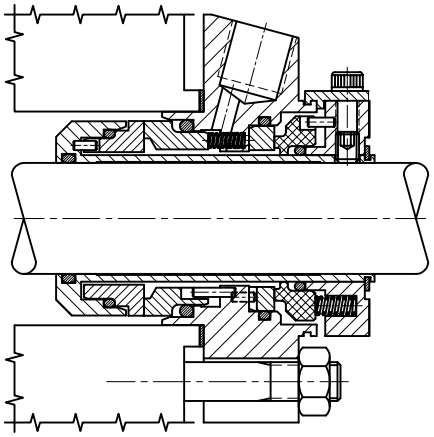
MATERIALS

Seal Ring Faces : Carbon, SiC and TC
Seat Faces : TC and SiC
Elastomer : Flexible Graphite
End fitting MOC : SS 316, Hast – C and Carpenter 42
Bellow MOC : HAST – C, Am350, Inconel

OPERATING CAPABILITIES

Shaft Dia. : 25mm to 100mm
Pressure : Up to 25 bar
Temperature : -70°C to 350°C
Speed : 3000 r.p.m.

Seal Type ZR600/D - Double Cartridge



FEATURES

Double Cartridge balanced mechanical seal. Dual directional design. Inside mounted seal. Unitized, easy –to-fit design.

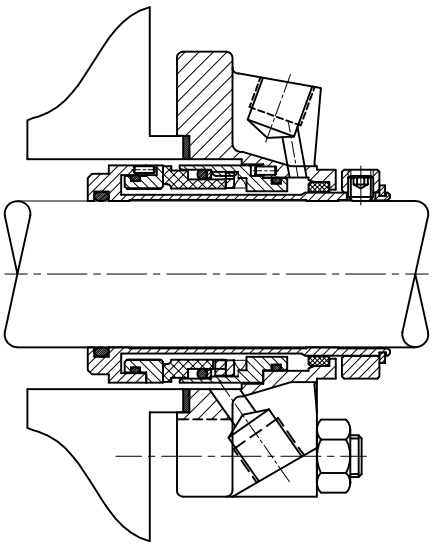
MATERIALS

Seal Ring Faces : Carbon, SiC and TC
Seat Faces : TC and SiC
Elastomer : Viton, PTFE, and FFKM
MOC : SS 316 - Change Of MOC On Request

OPERATING CAPABILITIES

Shaft Dia. : 20mm to 70mm
Pressure : Up to 15 bar
Temperature : -30°C to 260°C
Speed : 3000 r.p.m.

Seal Type ZR800/S - Single Cartridge



FEATURES

Single Cartridge balanced mechanical seal. Dual directional design. Non Clogging wave spring design. Inside mounted seal. Unitized, easy –to-fit design.

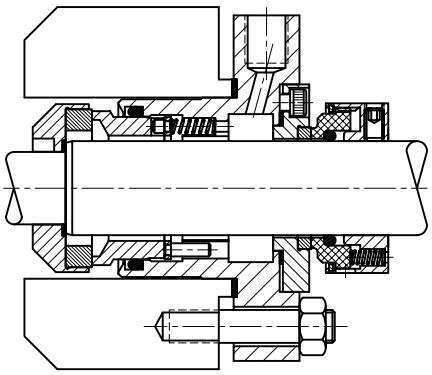
MATERIALS

Seal Ring Faces: TC and SiC
Seat Faces : SiC and TC
Elastomer : Viton, PTFE, FEP and FFKM
MOC : SS 316 - Change Of MOC On Request

OPERATING CAPABILITIES

Shaft Dia. : 25mm to 100mm
Pressure : Up to 18 bar
Temperature : -30°C to 260°C
Speed : 3000 r.p.m.

Seal Type ZR100/D - Double Semi Cartridge



FEATURES

Double Semi - Cartridge mechanical seal. Dual directional design. Slurry seal up to 20%. Inside mounted seal. Balanced Seal.

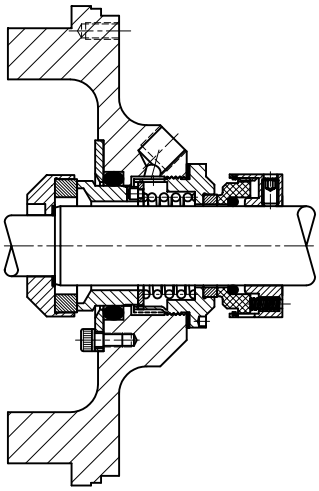
MATERIALS

Seal Ring Faces	: SiC, Carbon and TC
Seat Faces	: SiC and TC
Elastomer	: Viton, TTV, FEP and FFKM
MOC	: SS 316 – Change of MOC On Request

OPERATING CAPABILITIES

Shaft Dia.	: 20mm to 80mm
Pressure	: Full Vacuum to 8 bar
Temperature	: -30°C to 260°C
Speed	: 3000 r.p.m.

Seal Type ZR200/D - Double Semi Cartridge With Back Plate



FEATURES

Double Semi - Cartridge mechanical seal. Slurry seal up to 60% due to it's specially design of stuffing box. Inside mounted seal. Balanced Seal.

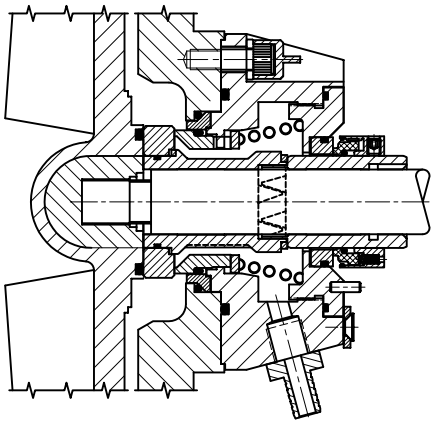
MATERIALS

Seal Ring Faces	: SiC, Carbon and TC
Seat Faces	: SiC and TC
Elastomer	: Viton, TTV, FEP and FFKM
MOC	: SS 316 - Change Of MOC On Request

OPERATING CAPABILITIES

Shaft Dia.	: 20mm to 80mm
Pressure	: Full Vacuum to 8 bar
Temperature	: -30°C to 260°C
Speed	: 3000 r.p.m.

Seal Type ZR300/D IMS - Slurry Seal For Non-Metallic Pump



FEATURES

Double Semi - Cartridge mechanical seal. Abrasive Slurry seal up to 30% due to it's specially design of Back plate and shaft. Inside mounted seal. Balanced Seal.

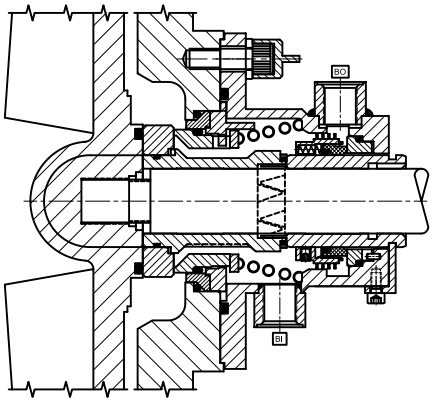
MATERIALS

Seal Ring Faces	: SiC and Carbon
Seat Faces	: SiC and Ceramic
Elastomer	: Viton, TTV, FEP and FFKM
MOC	: SS 316, PVDF - Change Of MOC On Request

OPERATING CAPABILITIES

Shaft Dia.	: 20mm to 80mm
Pressure	: Up to 5 bar
Temperature	: Up to 120°C
Speed	: 3000 r.p.m.

Seal Type ZR300/51U/P IMS - Slurry Seal for Non-Metallic Pump



FEATURES

Double Cartridge mechanical seal. Abrasive Slurry seal up to 30% due to it's specially design of Back plate and shaft. Additional pumping ring helps to provide better lubrication to seal faces. Inside mounted seal. Balanced Seal.

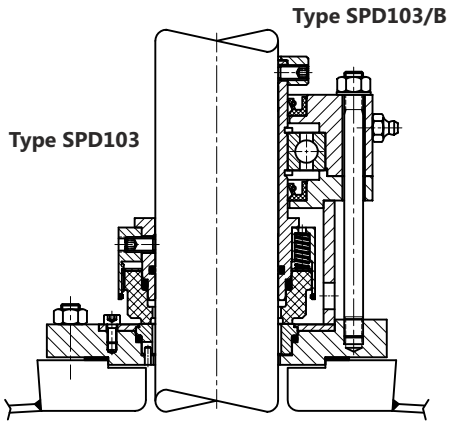
MATERIALS

Seal Ring Faces : SiC and Carbon
Seat Faces : SiC
Elastomer : Viton, TTV, FEP and FFKM
MOC : SS 316, PVDF – Change of MOC On Request

OPERATING CAPABILITIES

Shaft Dia. : 20mm to 80mm
Pressure : Up to 8 bar
Temperature : Up to 120°C
Speed : 3000 r.p.m.

Type SPD103 & SPD103/B - Dry Running Seal



FEATURES

Dry running balanced mechanical seal. This Seals are excellent with low RPM operation in Vacuum pressure conditions. Design without bearing (Type – SPD103) OR with Integral bearing (Type – SPD103/B). Design for Top, Bottom and Side entry.

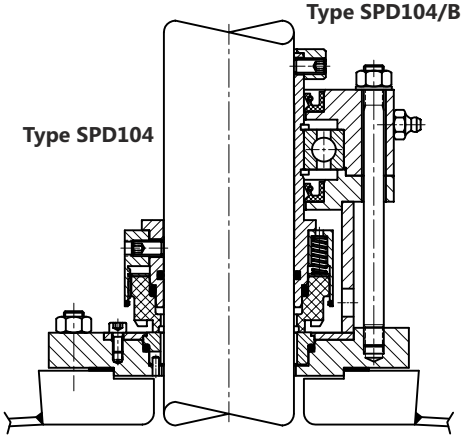
MATERIALS

Seal Ring Faces : Carbon and SiC
Seat Faces : SiC and TC
Elastomer : Viton, TTV, FEP and FFKM
MOC : SS 316 - Change Of MOC On Request

OPERATING CAPABILITIES

Shaft Dia. : 20mm to 150mm
Pressure : Full Vacuum to 8 bar
Temperature : -30°C to 150°C
Speed : 3000 r.p.m.

Type SPD104 & SPD104/B - Dry Running Seal For High Speed



FEATURES

High speed Dry running balanced mechanical seal. This Seals are excellent with High RPM operation in Vacuum and pressure conditions. Design without bearing (Type – SPD104) OR with Integral bearing (Type – SPD104/B). Design for Top, Bottom and Side entry.

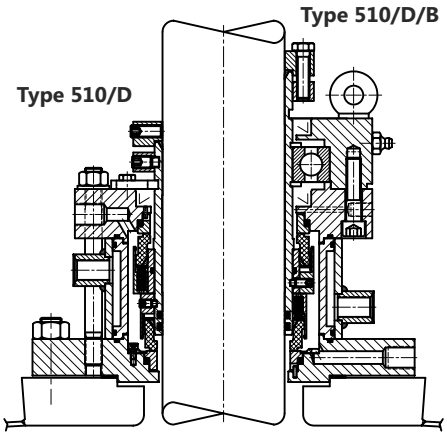
MATERIALS

Seal Ring Faces: Spl. Carbon
Seat Faces : SiC
Elastomer : Viton, TTV, FEP and FFKM
MOC : SS 316 – CHANGE OF MOC ON REQUEST

OPERATING CAPABILITIES

Shaft Dia. : 25mm to 150mm
Pressure : Full Vacuum to 8 bar
Temperature : -30°C to 140°C
Speed : 900 r.p.m.

Type 510/D & 510/D/B - Double Seal For SS Reactor



FEATURES

Double balanced mechanical seal. This Seals are excellent with low RPM operation in Vacuum and pressure conditions. Design without bearing (Type – 510/D) OR with Integral bearing (Type – 510/D/B). Design for Top, Bottom and Side entry.

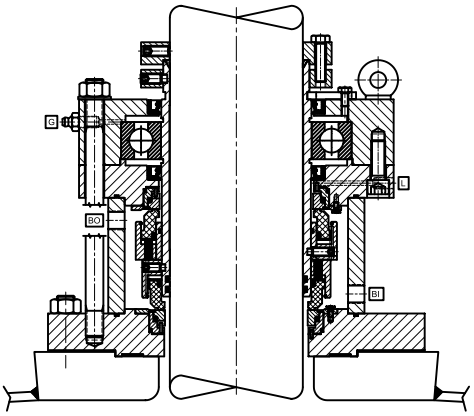
MATERIALS

Seal Ring Faces : Carbon and SiC
Seat Faces : SiC and TC
Elastomer : Viton, TTV, FEP and FFKM
MOC : SS 316 – CHANGE OF MOC ON REQUEST

OPERATING CAPABILITIES

Shaft Dia. : 25mm to 200mm
Pressure : Full Vacuum to 30 bar
Temperature : -30°C to 260°C
Speed : 300 r.p.m.

Type 511/D/B - Double Seal for Hydrogenator



FEATURES

High Pressure Double balanced mechanical seal for Hydrogenator. This Seal is excellent with low RPM operation in Vacuum and High pressure conditions. Design with Integral bearing. Design for Top entry.

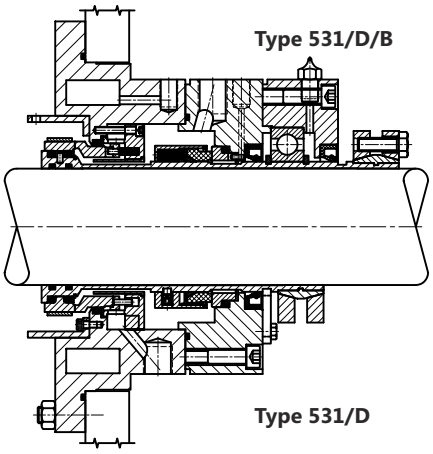
MATERIALS

Seal Ring Faces : Carbon and SiC
Seat Faces : SiC and TC
Elastomer : Viton, TTV, FEP and FFKM
MOC : SS 316 – CHANGE OF MOC ON REQUEST

OPERATING CAPABILITIES

Shaft Dia. : 25mm to 200mm
Pressure : Full Vacuum to 50 bar
Temperature : -30°C to 260°C
Speed : 400 r.p.m.

Type 531/D & 531/D/B - Double Seal for Mill



FEATURES

Double balanced mechanical seal for mill & mixtures. This Seals are excellent with High RPM operation in Vacuum and pressure conditions. Design without bearing (Type – 531/D) OR with Integral bearing (Type – 531/D/B). Design for Side entry.

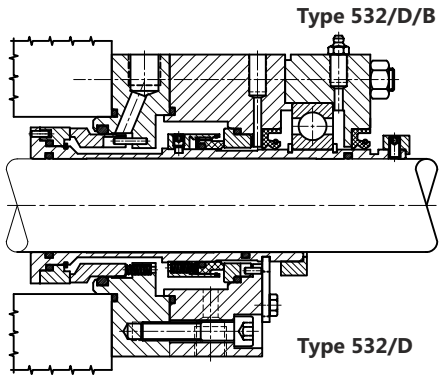
MATERIALS

Seal Ring Faces : Carbon and SiC
Seat Faces : SiC and TC
Elastomer : Viton, TTV and FEP
MOC : SS 316 – CHANGE OF MOC ON REQUEST

OPERATING CAPABILITIES

Shaft Dia. : 50mm to 85mm
Pressure : Full Vacuum to 10 bar
Temperature : -30°C to 200°C
Speed : 1500 r.p.m.

Type 532/D & 532/D/B - Double Seal For Bottom Entry



FEATURES

Double balanced mechanical seal. This Seals are excellent with Low RPM operation in Vacuum and pressure conditions. Design without bearing (Type – 532/D) OR with Integral bearing (Type – 532/D/B).. Design for Side and Bottom entry.

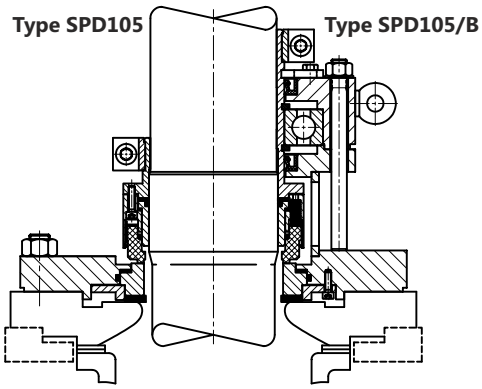
MATERIALS

Seal Ring Faces : Carbon, SiC and TC
Seat Faces : SiC and TC
Elastomer : Viton, TTV, FEP and FFKM
MOC : SS 316 – CHANGE OF MOC ON REQUEST

OPERATING CAPABILITIES

Shaft Dia. : 20mm to 150mm
Pressure : Full Vacuum to 10 bar
Temperature : -30°C to 260°C
Speed : 300 r.p.m.

Type SPD105 & SPD105/B - Dry Running Seal For Glass Lined



FEATURES

Dry running balanced mechanical seal for Glass lined reactor. This Seals are excellent with Low RPM operation in Vacuum and pressure conditions. Design without bearing (Type – SPD105) OR with Integral bearing (Type – SPD105/B). Design for Top entry.

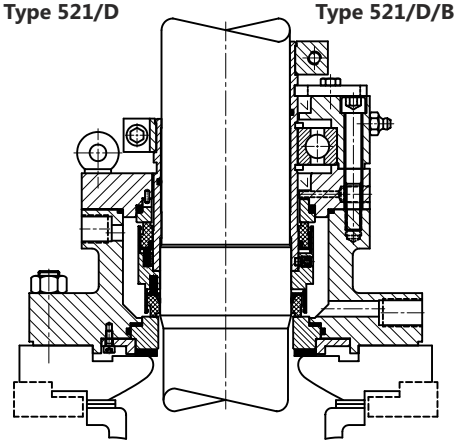
MATERIALS

Seal Ring Faces : Carbon and SiC
Seat Faces : SiC and Ceramic
Elastomer : Viton, TTV, FEP and FFKM
MOC : SS 316 – CHANGE OF MOC ON REQUEST

OPERATING CAPABILITIES

Shaft Dia. : 25mm to 150mm
Pressure : Full Vacuum to 8 bar
Temperature : -30°C to 150°
Speed : 250 r.p.m.

Type 521/D & 521/D/B - Double Seal for Glass Lined Reactor



FEATURES

Double balanced mechanical seal for Glass lined reactor. This seals are excellent with Low RPM operation in Vacuum and pressure conditions. Design without bearing (Type – 521/D) OR with Integral bearing (Type – 521/D/B). Design for Top entry.

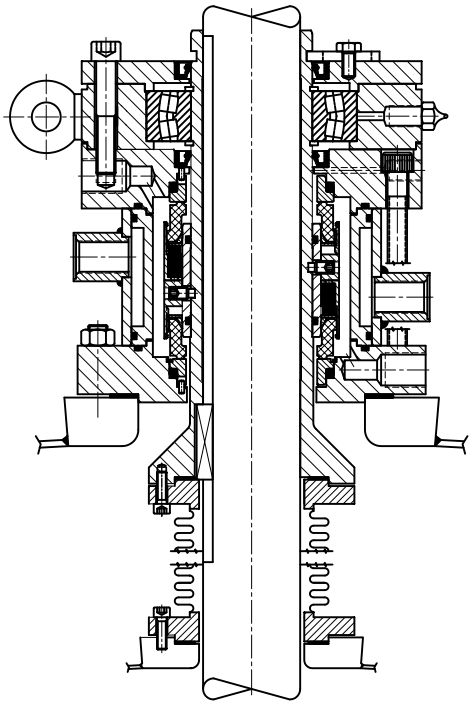
MATERIALS

Seal Ring Faces : Carbon and SiC
Seat Faces : Ceramic and SiC
Elastomer : Viton, TTV, FEP and FFKM
MOC : SS 316 – CHANGE OF MOC ON REQUEST

OPERATING CAPABILITIES

Shaft Dia. : 25mm to 150mm
Pressure : Full Vacuum to 14 bar
Temperature : -30°C to 260°C
Speed : 250 r.p.m.

541/D/B - Double Mechanical Seal for ANFD



FEATURES

Double balanced mechanical seal for ANFD (Agitated Nutsche Filter Dryers). This Seal is excellent with Low RPM operation in Vacuum and pressure conditions. The Bellow assembly is for long fatigue life. Design with solid antifriction linear Integral bearing (Type – 541/D/B). Design for Top entry.

OPERATING CAPABILITIES

Shaft Dia.	: 20mm to 200mm
Pressure	: Up to 5 bar
Temperature	: -30°C to 260°C
Speed	: 100 r.p.m.

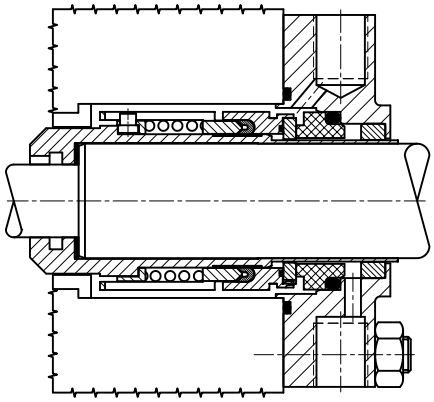
MATERIALS

Seal Ring Faces	: Carbon and SiC
Seat Faces	: SiC and TC
Elastomer	: Viton, PTFE, EPDM, NBR, FFKM
MOC	: SS 316, Duplex, Super Duplex, Hastelloy C, Monal

APPLICATION

Agitated Nutsche Filters and Dryers
Rotary Vacuum Paddle Dryers
Horizontal Reactors With Expanding Shaft

Seal Type 44UC - Single Spring



FEATURES

Single Spring balanced mechanical seal. This Seal is excellent high pressure conditions. Large cross section Elastomer U-cup dynamic gasket.

OPERATING CAPABILITIES

Shaft Dia.	: 20mm to 100mm
Pressure	: Up to 40 bar
Temperature	: -30°C to 260°C
Speed	: 3000 r.p.m.

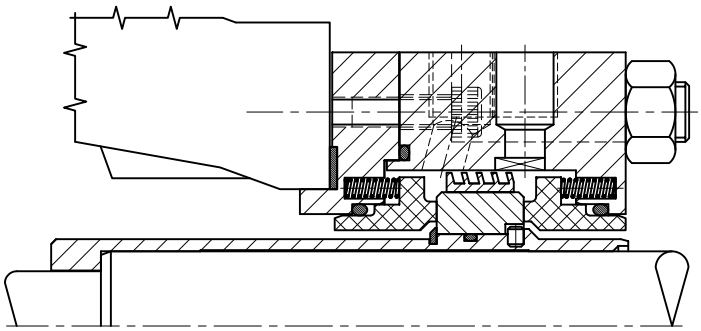
MATERIALS

Seal Ring Faces	: SiC and TC
Seat Faces	: Carbon, SiC and TC
Elastomer	: Viton, EPDM, NBR, FFKM
MOC	: SS 316, Duplex, Super Duplex, Hastelloy C, Monal

APPLICATION

Ideal for boiler feed water and hot water services.

Type ZR400/D - Face to Face Seal



FEATURES

Face to Face double balanced mechanical seal. This Seal is excellent high pressure and high speed conditions.

OPERATING CAPABILITIES

Shaft Dia.	: 20mm to 100mm
Pressure	: Up to 60 bar
Temperature	: -30°C to 260°C
Speed	: 3000 r.p.m.

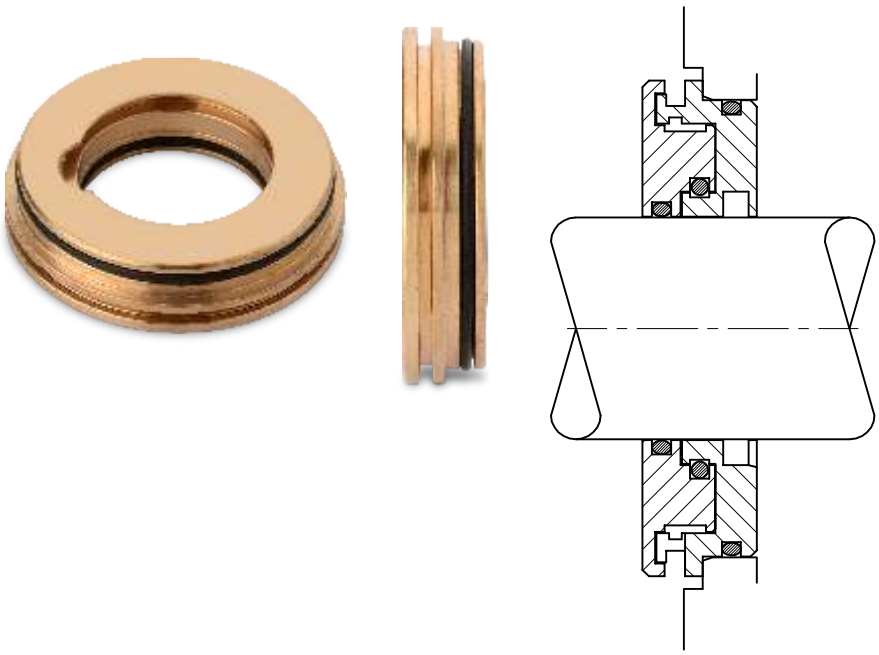
MATERIALS

Seal Ring Faces	: Sp. Carbon, SiC
Seat Faces	: SiC and TC
Elastomer	: Viton, EPDM, NBR, FFKM
MOC	: SS 316, Duplex, Super Duplex, Hastelloy C, Monal

APPLICATION

Ideal for boiler feed water and heavy duty process pumps.

Type SPB01 - Bearing Isolator



FEATURES

Close tolerance bearing Isolator design locks out moisture, grit and dust, which extending bearing life. No more shaft wearing as compare to conventional oil seal.

APPLICATION

Installs on bearing frames used in oil and gas, chemical, mining, pulp and paper, power and general industries.

Type TS 20 & TS 40 - Thermosyphon System

FEATURES

The Thermosyphon provides lubrication, dissipate heat and maintain the temperature and required pressure gradient across the seal faces in case of double back to back and tandem seal arrangement for pumps and agitator seals. Plan 52 and 53A configurations. Economical light and heavy duty reservoir for general service applications. Instrumentation on each reservoir is according to local standards and can be adapted to suit application and customer requirements. 304 and 316 stainless steel construction. Cooling coil is optional.

MATERIALS

MOC: SS 316, SS 304 and MS

OPERATING CAPABILITIES

TS 20 Pressure Limit : 20 bar
TS 40 Pressure Limit : 40 bar
Temperature: Up to 200°C

SUPERPROOF™

Innovative Sealing Solutions

SUPERPROOF SEALS ENGINEERING PVT. LTD.

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Old National Highway No.8, Near Railway Station,
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