

Quality With **Integrity**



Office : +91 9687984867
Sales : +91 7434935407
+91 9558124024



mechpro.co.in@gmail.com
mechprorotary@gmail.com



Survey No. 121, Plot No. 05,
Shed No. 01, Evershine Industrial
Estate, B/h J. Nanji Park,
Near 3rd Phase, Chhiri,
G.I.D.C, Vapi-396195,
Gujarat, India

GST NO : 24AANCM8500F1ZK



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1 Water Rotary Union/Joint



Function

Its a Mechanical Device that allows transfer of water form stationary unit into rotating machinery part for heating, cooling or transfer of fluid power.

It should be customized as per client requirement for his application.

Size Available	1/4 Inch to 5 Inch (BSP/BSPT/NPT) QC Flange Mounted Option
Pressure Range	0-35 kg/cm ²
Temperature Range	0-120° C + 0 160° C
RPM	0-1600
Flow Option	*Mono Flow , *Duo Flow, *Rotating Siphon Type
Bearing Type	Double Ball Bearing
Material Option	Brass, SS, CL etc

Note:- Spare Seal Kit available in all sizes.

2 Hot Oil Rotary Union/Joint



Function

Its a Mechanical Device that allows transfer of Hot Oil (Thermic Fluid) from Stationary unit into rotating machinery part for Heating or transfer of fluid power.

It should be customized as per client requirement for his application.

Size Available	1/4 Inch to 5 Inch (BSP/BSPT/NPT) QC Flange Mounted Optio
Pressure Range	0-15 kg/cm ²
Temperature Range	220-350o C
RPM	250-500
Flow Option	*Moon Flow, * Duo Flow, * Rotating Siphon Type
Bearing Type	Graphite Bush Bearing (It is High Temperature Rotary Union therefore Tungsten Carbide Seal is used in this Rotary Unions.)
Material Option	SS 316L etc

Note:- Spare Seal Kit available in all sizes.

3 Air & Hydraulic Rotary Union/Joint (High Speed)



Function

Its a Mechanical Device that allows transfer of Pressurised Air or Fluid from stationary unit into rotating machinery part for heating. Cooling or transfer of fluid power. This Type of Rotary Union used for High Speed Application.

It should be customized as per client requirement for his application.

Size Available	1/8 Inch to 2 1/2 Inch (BSP/BSPT/NPT) NB
Pressure Range	10-35 kg/cm ²
Temperature Range	0-100 oC
RPM	0-1600
Flow Option	Single Way
Bearing Type	Double Ball Bearing
Material Option	Aluminium, SS etc

Note:- Spare Seal Kit available in all sizes.

4 Coolant & Hydraulic Rotary Union/Joint



Function

Its a Mechanical Device that allows transfer of Coolant from Stationary unit into rotating machinery part for Cooling of tools & Spindle or transfer of fluid power. This Type of Rotary Union Mostly Used in CNC & VME Machine & Drill Machine. It should be customized as per client requirement for his application.

Size Available	M16X 1.5 LH, M16X1.5 RH, 5/8 Inch UNF
Pressure Range	68-105 kg/cm ²
Temperature Range	0- 100oC
RPM	0-10000 + 0 15000
Flow Option	*Single Way
Bearing Type	Double Ball Bearing
Material Option	SS etc.

Note:- Spare Seal Kit available in all sizes.

5 Air & Hydraulic Rotary Union/Joint (Low Speed)



Function

Its a Mechanical Device that allows transfer of Pressurised Air or Fluid from stationary unit into rotating machinery part for heating, Cooling or transfer of fluid power. This Type of Rotary Union used where Low Speed & Single Passage required only. It should be customized as per client requirement for his application.

Size Available	1/4 Inch to 2 1/2 Inch (BSP/BSPT/NPT) NB	RPM	0-250
Pressure Range	0-10 kg/cm ²	Flow Option	Two Way
Hydraulic Pressure Range	0-204 kg/cm ²	Bearing Type	Bush Bearing
Temperature Range	0-100o C	Material Option	Aluminium etc

Note:- Spare Seal Kit available in all sizes.

6 Air & Hydraulic Rotary Union/Joint (Low Speed)



Function

Its a Mechanical Device that allows transfer of Pressurised Air or Fluid from stationary unit into rotating machinery part for transfer of fluid power. This Type of Rotary Union used where Low Speed & Multi- Passage required. This is also called as Rotary Distributor Valve which available in Multi-station option for Clamping/Unclamping, Uncontrolled Lubrication etc. It should be customized as per client requirement for his application.

Size Available	2 Passage - 16 Passage etc.	Temperature Range	0-100o C
Pressure Range	0- 12 kg/cm ²	Flow Option	Multi-Passage Type
Hydraulic Pressure Range	0-160 kg/cm ²	Material Option	MS Or EN8 etc

Note:- Spare Seal Kit available in all sizes.

7 MECHANICAL SEAL



Function

Its a Mechanical Device that allows transfer of Pressurised Air or Fluid from stationary unit into rotating machinery part for heating, Cooling or transfer of fluid power. This Type of Rotary Union used where Low Speed & Single Passage required only. It should be customized as per client requirement for his application.

Size Available	Shaft Dia 40mm to 240mm	Flow Option	Singal & Double
Pressure Range	Full Vacuum to 15 BAR	Material Option	SS 316 to 304
Temperature Range	30c to + 260c	USED	PHARMA, CHEMICAL, ANFD, ANF
RPM	0-205		

Note:- Spare Seal Kit available in all sizes.

About Mech Pro

Mech-Pro Rotary is the best company which any business can rely on for sophisticated, yet elegant Rotary Unions and other relevant products. Our 20+ years expertise adds in their efforts and leads us delivering best and Cost effective Rotary Union to our clients Worldwide.

Mech-Pro Rotary is the leading manufacture of Rotating Unions - a mechanical component that allows transfer of pressurized fluid from a stationary unit into rotating machinery for heating, cooling or transfer of fluid power. Mech-Pro rotary unions reliably seal and transfer fluid such as water, air, hydraulic oil, coolant, steam, and other media types from stationary sources to rotating parts.

Our Rotary Unions are manufactured with latest techniques & other machining methods, in accordance with ISO-9001 standards.

Our rotary union products are used across a wide range of industries including factory automation, heavy equipment, machine toll, packaging, medical, oil and gas, defence, and aerospace etc.

We offer standard rotary union product lines grouped by function adn feature exclusive sealing technology selected for compatibility to each application's operating pressure, temperature, speed, media, and required service life.

If our inventory of standard products isn't a fit for your project, we can provide a cuctom- tailored rotary union solution designed to meet you exact application's requirements for operating performance, cost, and delivery - in fact, it's what we do best! Our fluid sealing experts will assist with a solution that meets your needs, which may include making modifications to a standard product, providing improvement recommendations to an existing design, or developing a new prototype to your exact project's specifications.

➤ Mech-Pro Rotary Union works best with the following Application Industries

Printing Industry	Paper Mills & Paper Industry	Continue Casting Plants
Machine Tool Industry	Rubber machinery	Plastic Molding
Pharmaceutical Machinery	Textile Machinery	Oil & Gas Industry
Cement & Mining Industry	Chemical Industry	Packaging Industry
Defence	Automotive Industry	Aerospace
Alternative Energy	Factory Automation	Food & Beverages
Heavy Equipment	Marine	Metal Production

➤ Mech-Pro Rotary Union is available in the following media type

Water	Steam	Thermic Fluid
Coolant	Vacuum	Air
Gases	Hydraulic Fluid	Hot Oil

➤ Selection Criteria of Rotary Union is as follows

Media Type	Pressure	Temperature
RPM Range	Rotation Of Rotor	Number of Passage
Port Size	Rotor type	Material

Note:-

1. Media type is Water, Steam,Air,Hot Oil, Thermic Fluid or Gases etc
2. Rotation of Rotor should be Right Hand/Lest Hand or Bi-directional Type
3. Media Flow Type Should be Single flow,Duo Flow or Multiple Passage Type
4. Rotor should be either Threaded or Flanged type
5. We also Provide Customized Range Of Products as per client application.