THE PERFECT CONNECTION BETWEEN ROTATING HOSES AND STATIONARY PARTS
WHAT IS A ROTAPOINT® COUPLING?

The ROTAPOINT® swivel prevents torsion in the hose and extends the lifetime of the hose up to 20 times. It allows free hose movement without imparting torque stresses to the hose assembly.

The hose swivel is designed to endure a wide range of temperatures and pressures for a variety of different fluids.

HOW DOES IT WORKS?

The rotating coupling is assembled on both ends of the hose. During service, the hose is held under pressure. The swivel will avoid the torsion in the hose due to movement. This will prevent one of the biggest causes of premature hose failure.

VALUE PROPOSITION

Longer life of your hoses and other parts
No machine failure, cost decrease, durability of hoses and other piping = peace of mind
Applicable on all type of hoses

MARKETS

The ROTAPOINT® swivel coupling can be used on all types of hoses such as stainless steel, PTFE, rubber, silicon and plastic hoses in all types of industry and applications.
FEATURES & BENEFITS

**FEATURES**
- Different materials available
- Speed
- Simple design
- Wear identification
- Configurable
- Gasket technology
- Compatible with LMC range fittings
- Lubrication option
- Life time calculation

**BENEFITS**
- 100% solution for failures
- Safety wear control
- Long life
- Low maintenance
- Full range of sizes, materials and connections
- Always fit and adaptable
- Easy installation
- Wide temperature range
- Compact design

**PERFORMANCE RANGE**

<table>
<thead>
<tr>
<th>Pressure</th>
<th>Speed</th>
<th>Temperature</th>
<th>Torque</th>
</tr>
</thead>
<tbody>
<tr>
<td>up to 40 bar</td>
<td>up to 40 rpm</td>
<td>-20°C up to 180°C</td>
<td>Low</td>
</tr>
</tbody>
</table>

*Performance will depend on material and size. Detailed charts available on request.*

[QR PERFORMANCE CODE]

[WWW.LMC-COUPLINGS.COM]
PRODUCT SCOPE

1. Female thread, flat sealed
2. Hardened SS440C ball bearings
3. Wear identification silicon dust protection
4. Stabilisation gliding strips self lubricated
5. Precision sealing ring, low friction
6. Grease nipple
7. Performance and traceability marking
8. Male thread, flat sealed with extended head

TECHNICAL SPECS

Material: Extra strong aluminium / SS316 / Brass / Hastelloy

Seal: NBR / EPDM / FPM / Kalrez® / PUR

Sizes: 1/2” / 3/4” / 1” / 1-1/4” / 1-1/2” / 2” / 2-1/2” / 3” / 4”

Threads: BSP / BSPT / NPT

Shaft connections: fem. x fem. / male x male / male x fem. / male x fem. 90° / male x male 90° / fem. x fem. 90°

HOW TO ORDER?

<table>
<thead>
<tr>
<th>Size</th>
<th>Ref.</th>
<th>Material</th>
<th>Ref</th>
<th>Seal material</th>
<th>Ref</th>
<th>Type of thread</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/2”</td>
<td>12</td>
<td>SS 316*</td>
<td>SS</td>
<td>NBR</td>
<td>N</td>
<td>BSP Male**</td>
<td>B</td>
</tr>
<tr>
<td>3/4”</td>
<td>20</td>
<td>Brass*</td>
<td>BR</td>
<td>EPDM</td>
<td>E</td>
<td>BSP Female**</td>
<td>F</td>
</tr>
<tr>
<td>1”</td>
<td>25</td>
<td>ALU7075*</td>
<td>A5</td>
<td>FPM*</td>
<td>V</td>
<td>BSPT Male</td>
<td>T</td>
</tr>
<tr>
<td>1-1/4”</td>
<td>32</td>
<td>Hastelloy</td>
<td>HS</td>
<td>Kalrez®</td>
<td>K</td>
<td>NPT Male</td>
<td>N</td>
</tr>
<tr>
<td>1-1/2”</td>
<td>38</td>
<td></td>
<td></td>
<td>PUR</td>
<td>P</td>
<td>NPT Female 90°</td>
<td>P</td>
</tr>
<tr>
<td>2”</td>
<td>50</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2-1/2”</td>
<td>65</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>3”</td>
<td>75</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4”</td>
<td>100</td>
<td></td>
<td></td>
<td></td>
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<td></td>
<td></td>
</tr>
</tbody>
</table>

* Standard (others on request)
** BSP male - BSP female is the standard configuration

EXAMPLE: ROTAPoint 050 A5 V BF90

CONNECTING THE INDUSTRY
HOW DO I CHOOSE THE BEST ROTAPoint® FOR MY APPLICATION?

The rotating unions and their different accessories are available in the corresponding materials. They make numerous configurations possible. Including radial flow, when applying 90° elbows. LMC advises to use only the original ROTANIP and ROTABOW accessories for your peace of mind.

MATERIAL CHOICE DEPENDENT ON:
1) Type of media
2) Operating pressure
3) Operating temperature
4) Operating speed

ACCESSORIES

SS316
ALU7075
BRASS

<table>
<thead>
<tr>
<th>Pressure (BAR)</th>
<th>Speed (RPM)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>10</td>
<td>10</td>
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<tr>
<td>20</td>
<td>20</td>
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<tr>
<td>35</td>
<td>35</td>
</tr>
<tr>
<td>45</td>
<td>45</td>
</tr>
</tbody>
</table>
DELIVERY PROGRAM

**QUICK COUPLINGS**
- Cam & Groove
- Guillemin
- DSP
- TW
- GK
- Express
- European Air
- Triclamp
- Cardan
- Chemaline

**THREADED COUPLINGS**
- Screw hose
- Nipples
- Food DIN
- Food SMS
- Steam
- DINBO steam
- Petrol couplings

**FLANGE COUPLINGS**
- Flanges

**CLAMPS & FERRULES**
- RK safety clamps
- RKP safety clamps
- FLEXLINE® safety clamps
- RKS steam clamps
- Mira band clamps
- Swage ferrules

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