

# ROTOKOMBI



MULTICHANNEL ROTARY UNION COMBINING  
DIFFERENT SEALING TECHNOLOGIES



**GAT**<sup>®</sup>

**MOOG**

# ROKOMB

## MULTICHANNEL ROTARY UNION COMBINING DIFFERENT SEALING TECHNOLOGIES

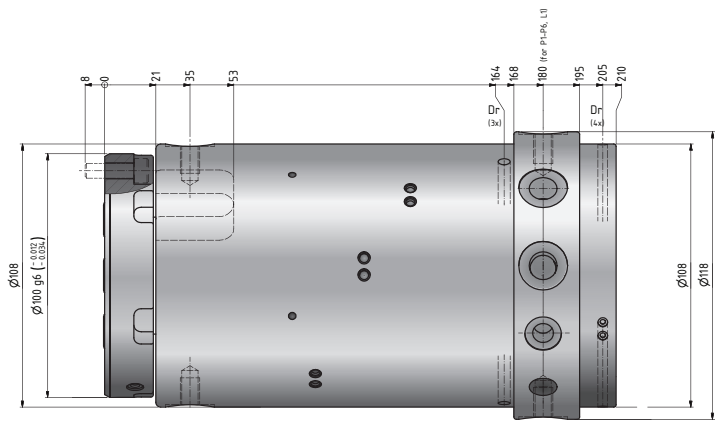
ROKOMB systems combine different sealing systems and technologies. An optimally adapted sealing system is used for each medium. This ensures a reliable transfer to the rotating system. Thanks to our modular system of standard parts, individual components can be easily replaced, supplemented, or upgraded at any time. In addition to the large number of standard designs, we offer custom-made solutions that are optimally tailored to your applications and installation conditions.

### TECHNICAL DATA

Medium	Air / Gas	Water	Emulsion	Oil
Max. pressure [bar]	40	80	120	350
Max. speed [rpm]	10,000	10,000	10,000	10,000

## STANDARD DESIGNS

SAME DIMENSIONS IN DIFFERENT MEDIA AND SAME NUMBER OF CHANNELS  
(HAND-OVER VIA CONNECTING THREAD)

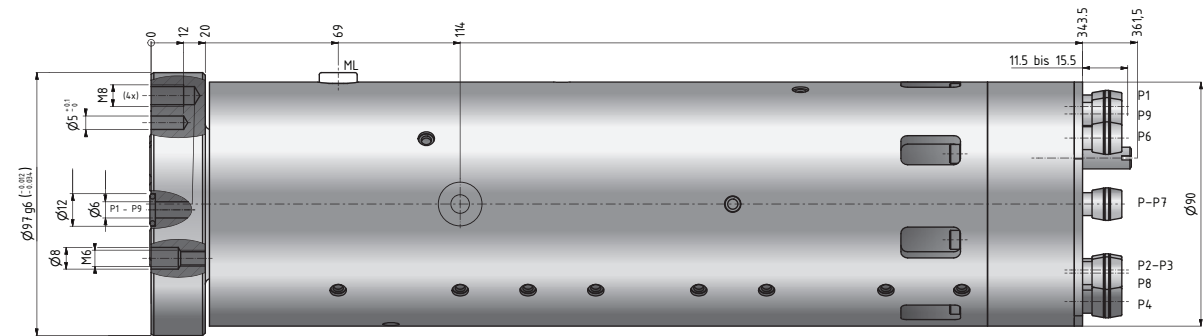


Dimensions in mm

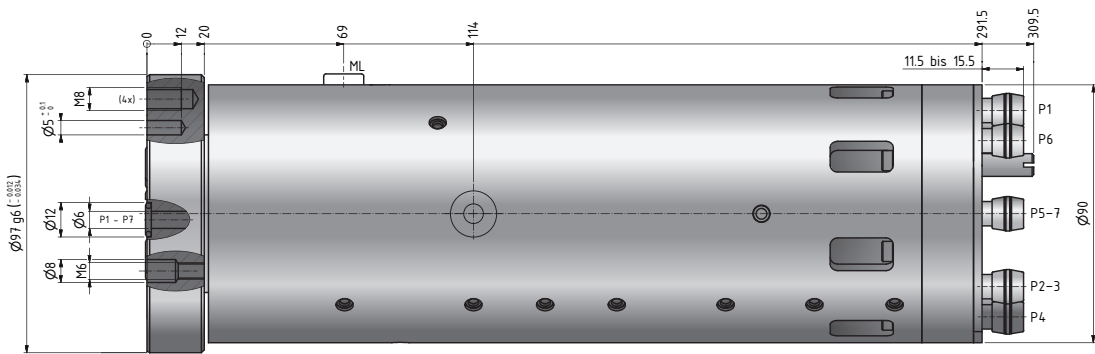
Example	M40 EX4+SW35 L1+S0		M40 EX3+SW35 L2+S0		M40 EX5 +S0	
Medium	Number of channels	Pressure	Number of channels	Pressure	Number of channels	Pressure
Hydraulic oil	4	210 bar	3	150 bar	5	210 bar
Air	1	10 bar	2	10 bar		
Emulsion	1	80 bar	1	80 bar	1	80 bar

IDENTICAL CONNECTION GEOMETRY WITH HIGHER NUMBER OF CHANNELS  
(HAND-OVER VIA COUPLING)

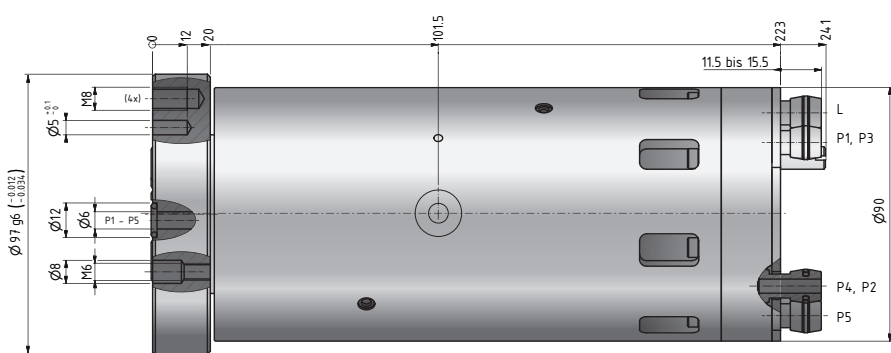
M40 EX9



M40 EX7



M40 EX5

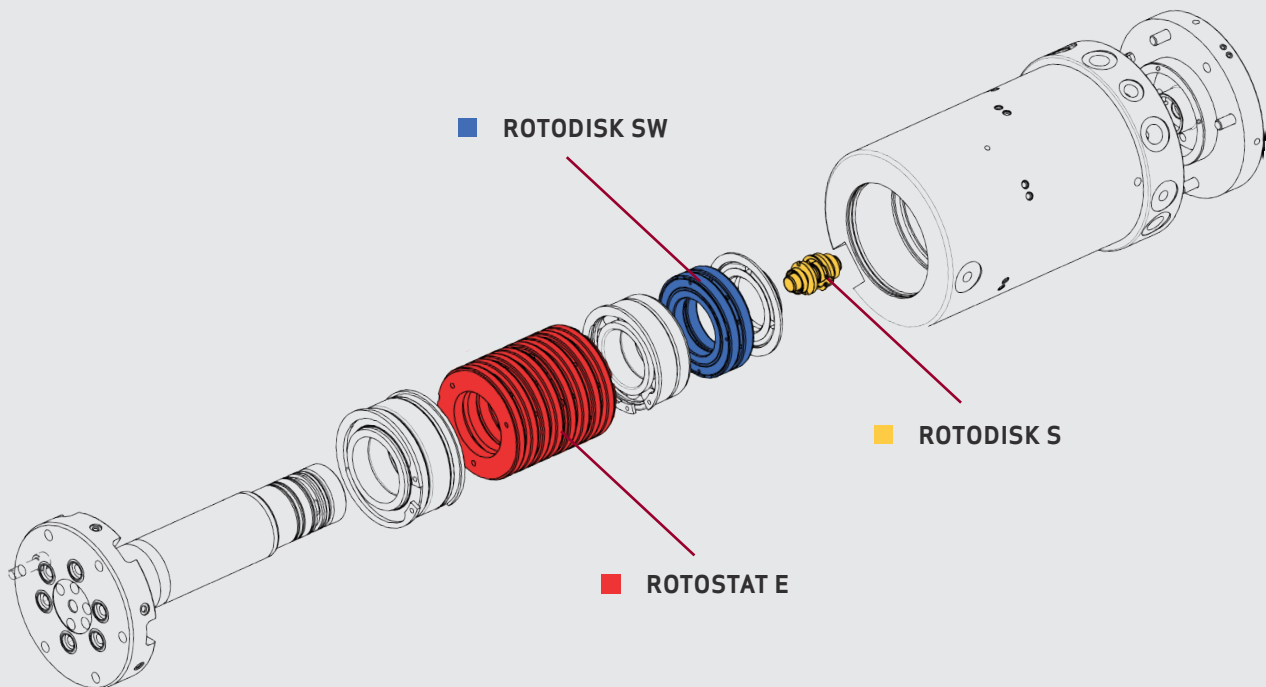


Dimensions in mm

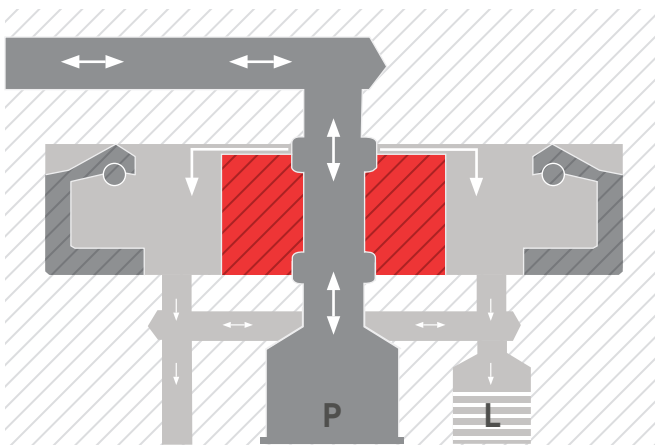
Example	M40 EX9		M40 EX7		M40 EX5	
Medium	Number of channels	Pressure	Number of channels	Pressure	Number of channels	Pressure
Hydraulic oil	9	210 bar	7	210 bar	5	210 bar

# SEALING TECHNOLOGIES

## COMBINATION OPTIONS FOR SEALING TECHNOLOGIES



### ■ ROTOSTAT E - CONTACTLESS RADIAL GAP SEAL

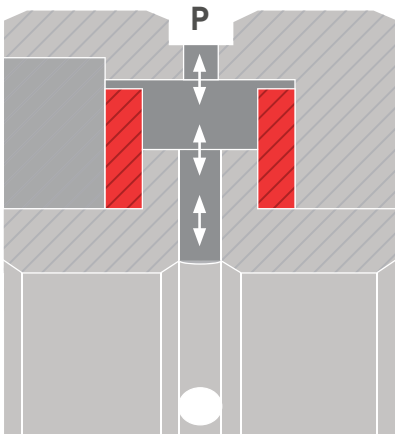


- Radial media transfer
- Suitable for high pressures and speeds
- Low leakage
- Reliable operation under the most demanding operation conditions

## TECHNICAL DATA

Medium	Oil	Water	Air / Gas
Max. pressures [bar]	350	80	40

■ ROTODISK SW – RADIAL MECHANICAL SEAL

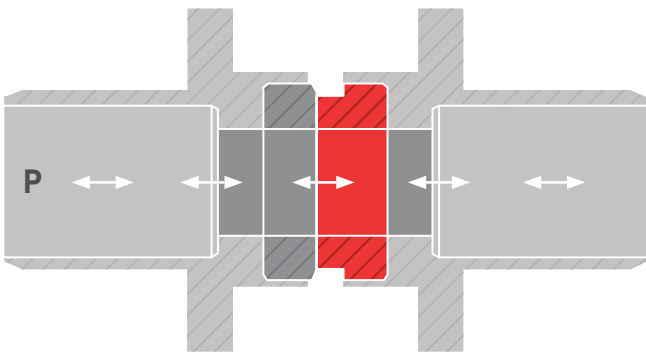


- Radial media transfer
- Hydrostatically relieved sealing element
- Low frictional torque
- Suitable for dry-running (air variant)
- Suitable for abrasive media

TECHNICAL DATA

Medium	Air	Emulsion	Oil-air mixture
Max. pressure [bar]	10	80	10

■ ROTODISK S – AXIAL MECHANICAL SEAL



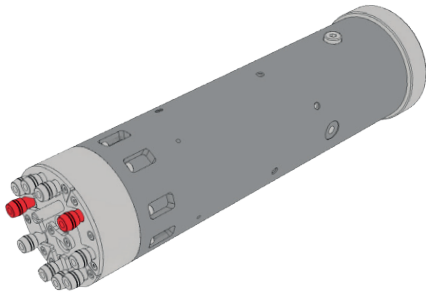
- Axial media transfer
- Hydraulic compensated silicon-carbide or carbon-graphite mechanical seals
- Low frictional torque and minimal wear
- Automatic alignment compensation system for the mechanical seals

TECHNICAL DATA

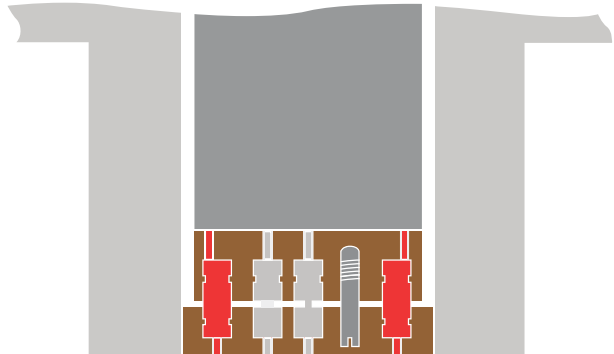
Medium	Air	Emulsion	Oil-air mixture
Max. pressure [bar]	20	120	20

# CONNECTION OPTIONS

## HAND-OVER COUPLING FOR EASY ASSEMBLY IN INDEXING TURNTABLES

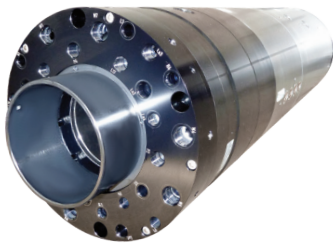


M40 EX9  
HAND-OVER COUPLING



# CUSTOM SOLUTIONS

## MULTICHANNEL ROTARY UNIONS FOR SPECIAL APPLICATIONS



ROKOKOMBI M170 EX7EL7 + D2 + SW150  
+ SW150 W3-WC  
Integration in machine tool



ROKOKOMBI ESR 200 + SW50 + LWL  
Integration in an indexing turntable

Visit our website to find the Moog office nearest you, [www.gat-mbh.de](http://www.gat-mbh.de)

For product information, visit [www.gat-mbh.de/en/products](http://www.gat-mbh.de/en/products)

For service information, visit [www.gat-mbh.de/en/contact/service](http://www.gat-mbh.de/en/contact/service)

Moog is a registered trademark of Moog Inc. and its subsidiaries.  
All trademarks as indicated herein are the property of Moog Inc. and its subsidiaries.  
©2020 Moog Inc. All rights reserved. All changes are reserved.

Moog GAT GmbH  
Rotokombi/Rev. A, June 2020, Id. CDL GATD-000209-en



**GAT**<sup>®</sup>

**MOOG**