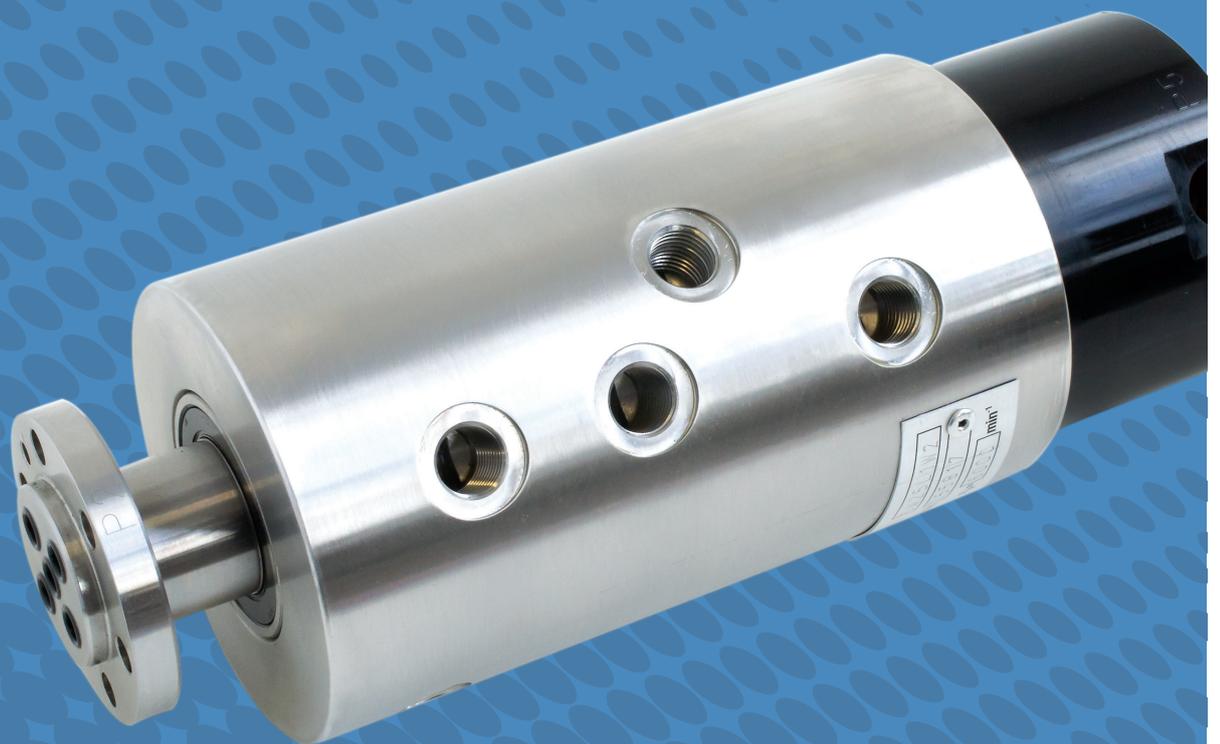


ROTOKOMBI



MULTICHANNEL ROTARY UNION COMBINING
DIFFERENT SEALING TECHNOLOGIES



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MOOG

ROKOMB

MULTICHANNEL ROTARY UNION COMBINING DIFFERENT SEALING TECHNOLOGIES

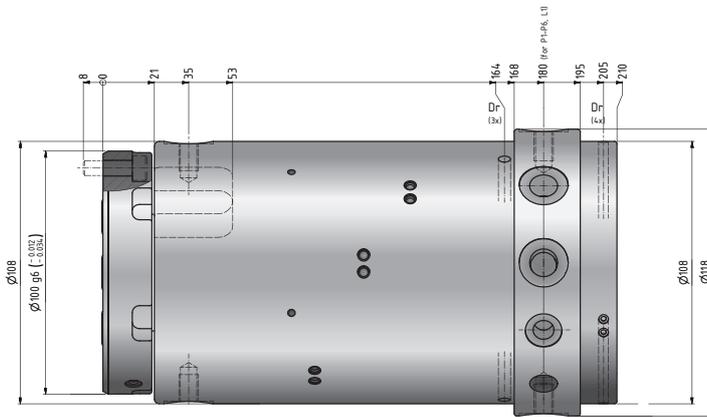
ROKOMB systems combine different sealing systems and technologies. An optimally adapted sealing system is used for each medium. This ensures a reliable transfer to the rotating system. Thanks to our modular system of standard parts, individual components can be easily replaced, supplemented, or upgraded 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)

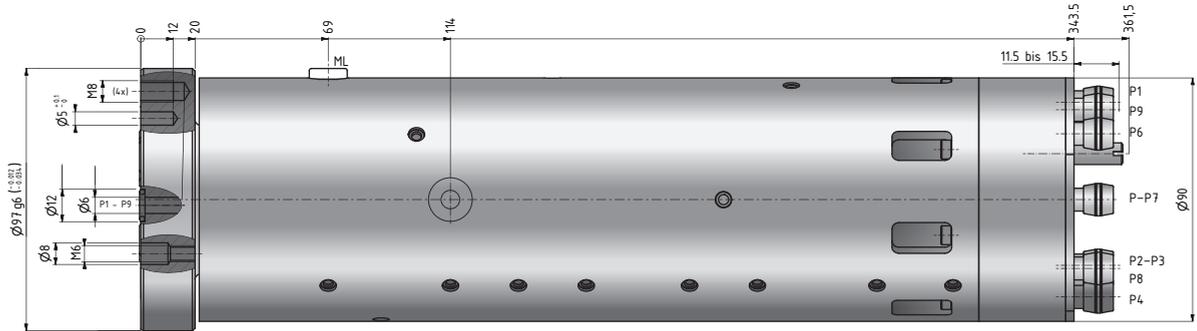


Dimensions in mm

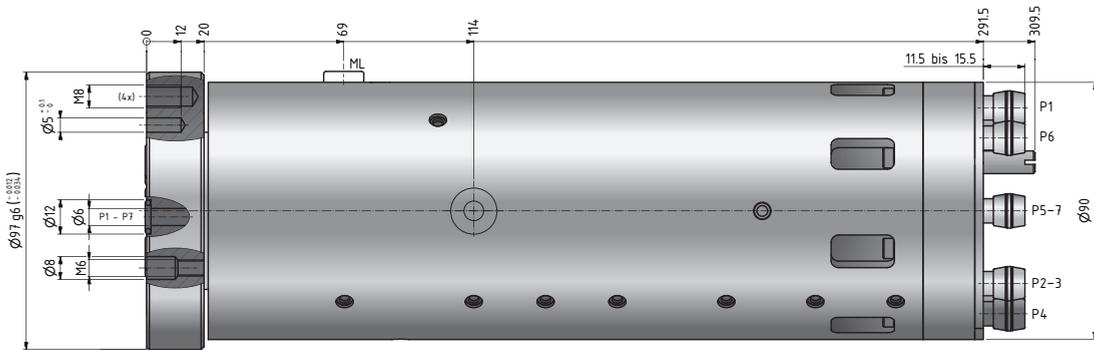
Example	M40 EX4+SW35 L1+S0		M40 EX3+SW35 L2+S0		M40 EX5 +S0	
	Number of channels	Pressure	Number of channels	Pressure	Number of channels	Pressure
Hydraulic oil	4	210 bar	3	150 bar	5	210 bar
Air	1	10 bar	2	10 bar		
Emulsion	1	80 bar	1	80 bar	1	80 bar

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

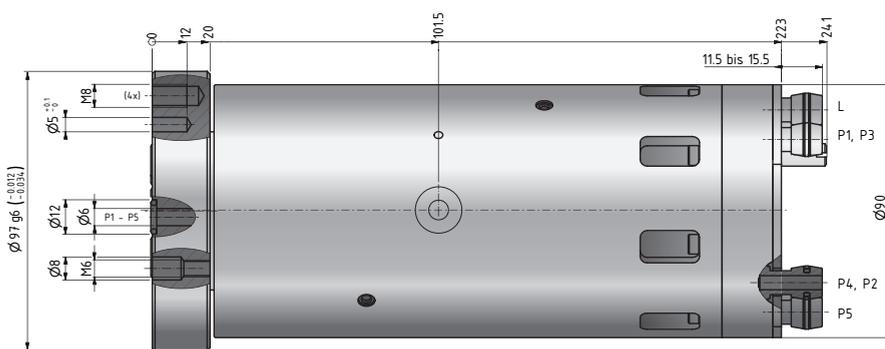
M40 EX9



M40 EX7



M40 EX5

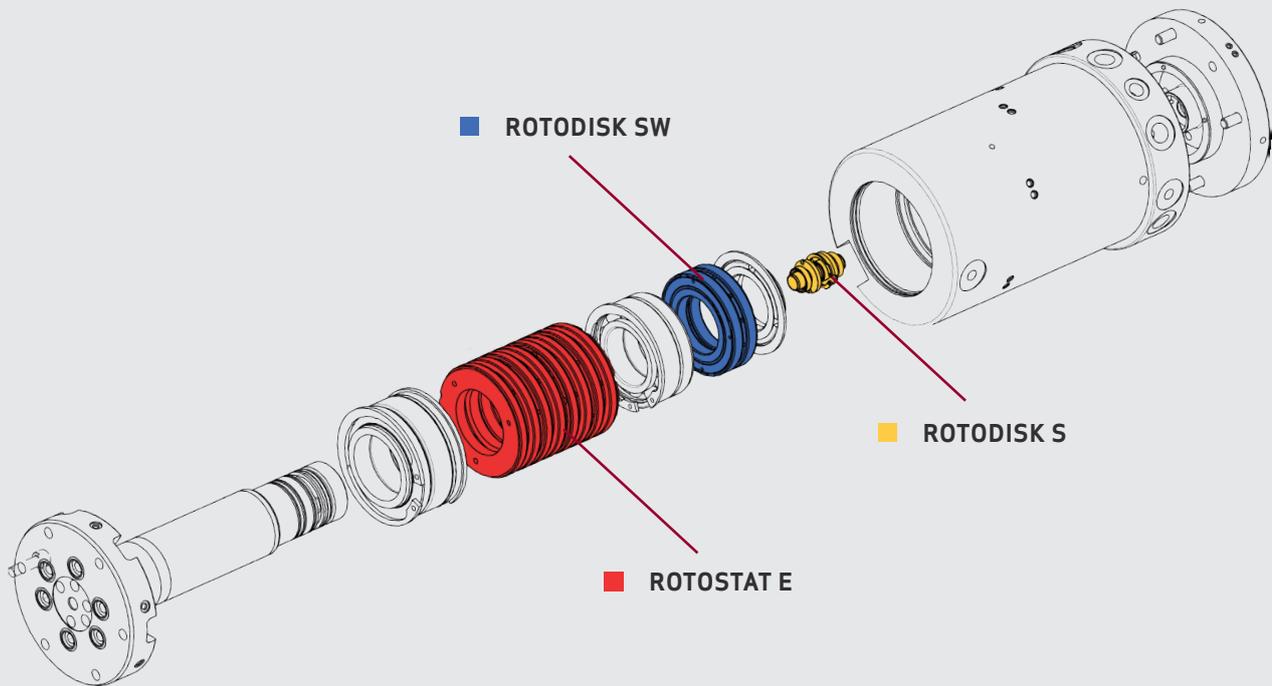


Dimensions in mm

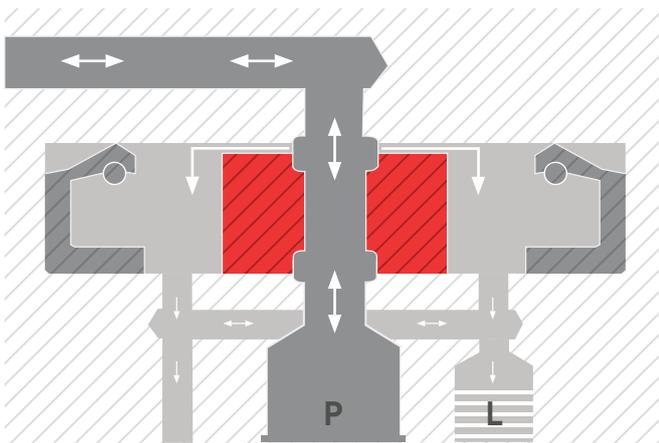
Example	M40 EX9		M40 EX7		M40 EX5	
Medium	Number of channels	Pressure	Number of channels	Pressure	Number of channels	Pressure
Hydraulic oil	9	210 bar	7	210 bar	5	210 bar

SEALING TECHNOLOGIES

COMBINATION OPTIONS FOR SEALING TECHNOLOGIES



■ ROTOSTAT E - CONTACTLESS RADIAL GAP SEAL

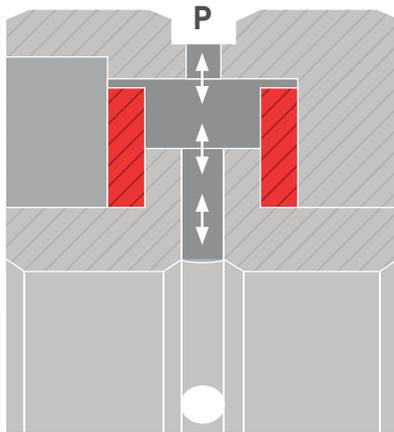


- Radial media transfer
- Suitable for high pressures and speeds
- Low leakage
- Reliable operation under the most demanding operation conditions

TECHNICAL DATA

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

■ ROTODISK SW - RADIAL MECHANICAL SEAL

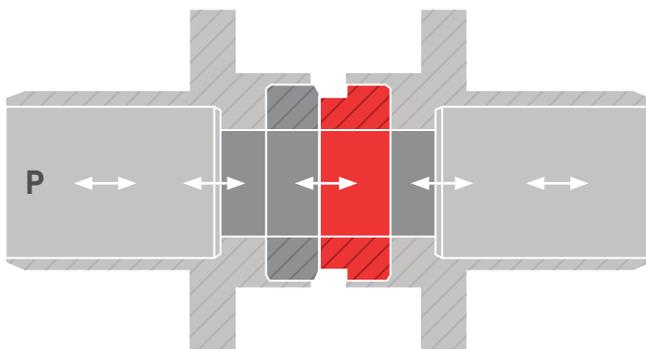


- Radial media transfer
- Hydrostatically relieved sealing element
- Low frictional torque
- Suitable for dry-running (air variant)
- Suitable for abrasive media

TECHNICAL DATA

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

■ ROTODISK S - AXIAL MECHANICAL SEAL



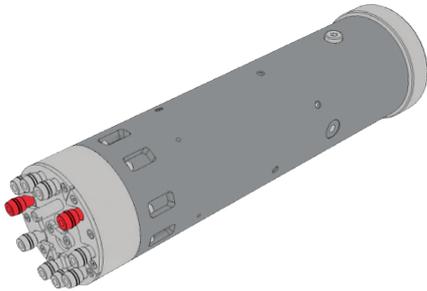
- Axial media transfer
- Hydraulic compensated silicon-carbide or carbon-graphite mechanical seals
- Low frictional torque and minimal wear
- Automatic alignment compensation system for the mechanical seals

TECHNICAL DATA

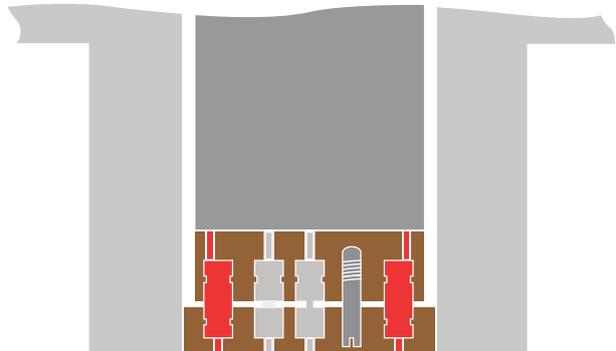
Medium	Air	Emulsion	Oil-air mixture
Max. pressure [bar]	20	120	20

CONNECTION OPTIONS

HAND-OVER COUPLING FOR EASY ASSEMBLY IN INDEXING TURNTABLES

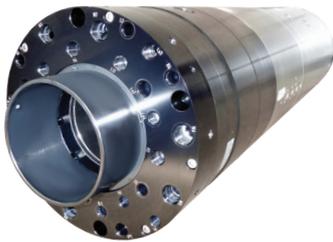


M40 EX9
HAND-OVER COUPLING



CUSTOM SOLUTIONS

MULTICHANNEL ROTARY UNIONS FOR SPECIAL APPLICATIONS



ROKOMBIM170 EX7EL7 + D2 + SW150
+ SW150 W3-WC
Integration in machine tool



ROKOMBIESR 200 + SW50 + LWL
Integration in an indexing turntable

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For service information, visit www.gat-mbh.de/en/contact/service

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