No. 6991

Rotary coupling

overflow oil connection not included,
max. operating pressure 350 bar

Order no.	Article no.	Connections inputs	Connections outputs	Ambient temp. [°C]	Md max. [Nm]	max. r.p.m. [1/min]	NG	Weight [Kg]
334185	6991-20	2	2	-10 - +60	5,0	85	5	2,2
323451	6991-40	4	4	-10 - +60	7,5	48	5	3,8
323477	6991-60	6	6	-10 - +60	14,0	40	5	5,8

Design:

Rotary feed-through housing from spheroid graphite iron with radial oil connections 1/4“ thd. Rotary piston from nitrided, hardened steel with radial and face side oil connections 1/4“ thd. The reductions in the face side connections can be use as O-ring connection.

Application:

Rotary couplings transmit flows of hydraulic oil from a stationary machine component to a rotating one. They are located in the rotary axis of a rotating system. The rotary couplings are generally designed for hydraulic systems. To transmit air flows, they have to be filtered, oiled, and free of water. Single-acting and double-acting cylinders can be connected. Each cylinder channel requires a separate connection on the housing and on the rotor.

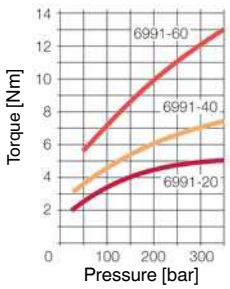
Features:

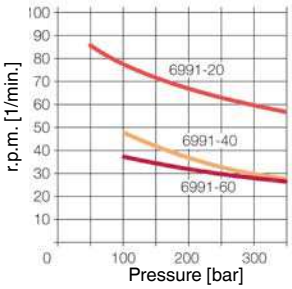
Because of the high-grade seal packages it is possible to operate at high pressures. Multistrand rotary oil couplings. Long service life. Compact design.

Note:

Max. pressure and max. rpm must not occur together. See diagrams.
The rotary couplings must be operated without bending forces. We recommend that you screw the rotating housing with the connections to the clamping fixtures and secure the rotary piston only against twisting. Do not introduce any bearing loads! The line connections to the rotary piston must always be made with hoses. The frictional resistance on the seals is pressure-dependent. This must be taken into account when calculating the drive torque for the rotary table. The rotary couplings are fundamentally designed for intermittent operation.
Special versions available on request. See diagrams for minimum and maximum load data.

Diagrams:





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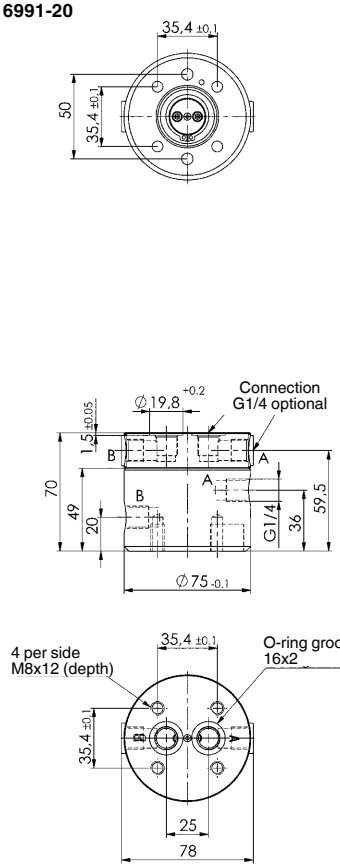

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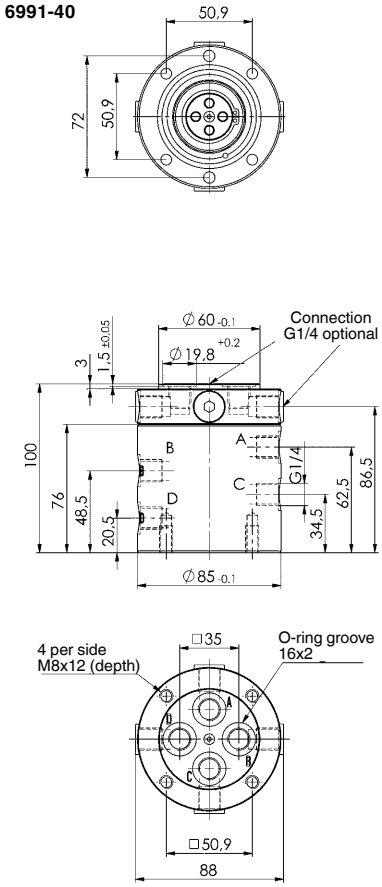
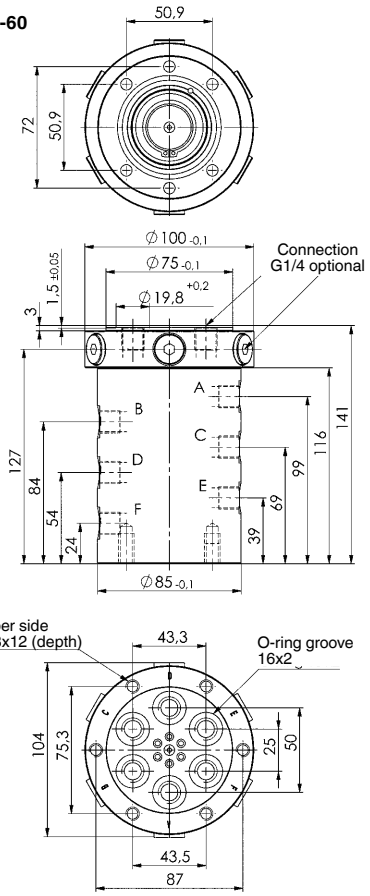


6991-60



CAD

Subject to technical alterations.

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