

Product



No. 1 position

Rotary module with swiveling, adaptive drive

Product Features

Unique Selling Points:

- ✓ Rotary module with swiveling, adaptive drive
- ✓ Easy integration into existing control or regulation electronics (eg. CNC, robot controller, inverter)
- ✓ Integration in Mechatronic Schunk modular

Further product features:

- ✓ Air feed-through and center bore for media-feed-through
- ✓ High torque and high accuracy when positioning large loads with high precision
- ✓ Turns endlessly
- ✓ Can be connected to all common industrial servo drives
- ✓ Simple integration into existing control and

Market and Competitors

Key competitors

- ✓ FIBRO
- ✓ GÜDEL
- ✓ FESTO ERM 20/25/32
- ✓ Sommer DES140NC

Advantages towards competitors:

- ✓ Swiveling drive
- ✓ Can be combined with existing Schunk products

Cost Effectiveness / Customer Benefits

- ✓ Adaptation options with common servo motors such as Bosch, Siemens SEW. Offers maximum versatility in control and regulation strategies
- ✓ Turns endlessly, offering a wide spectrum of possible applications
- ✓ Fieldbus or safety technology (STO, SLS), diverse technological functions as well as existing control and programming know-how can be transferred directly from current system to module using suitable customer motor
- ✓ High torque yields high dynamics
- ✓ Module can be interpolated directly with other connected axes
- ✓ Any intermediate position can be approached, enabling great process versatility, optimally adaptable to the relevant application
- ✓ Center bore for cable feed-through, yielding tidy and compact system designs

Questions about the product? Your contact person is T. Sibold (+49 - 7133 - 103 - 2574)

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Technical Data / Functions

- ✓ Size: 100/160
- ✓ Weight: On request/15 kg (without motor)
- ✓ Axial force: aA/to 7.500 N
- ✓ Rated torque: 11/60 Nm
- ✓ Max. torque: 20/110 Nm
- ✓ Bending moment: aA/to 600 Nm
- ✓ RPM: 100/40 rpm

Complementary products:

- ✓ PEH
- ✓ PG
- ✓ EVG
- ✓ WSG
- ✓ PGN+

Industries and Applications

ERM convinces in the following industries:

Generally speaking, adaptive systems make it relatively easy to adjust for regional variations in standards between Europe, Asia and the USA.

- ✓ Automotive industry
- ✓ Mechanical engineering
- ✓ Food and packaging
- ✓ Assembly and handling technology

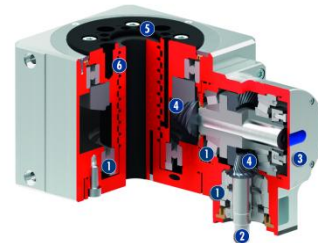
Applications

- ✓ Use as freely programmable rotary table in an assembly system
- ✓ As positioning device in handling systems
- ✓ Turning, swiveling and realigning workpieces

Additional Information

- ✓ Deliverable: - Bgr.160: 11/2012
Bgr.100: 2013
- ✓ 90 ° swivel drive for optimum adaptation to the portals or robot
- ✓ Delivery time: 14 weeks

Cross Section



- 1 – Bearing
- 2 – Drive shaft
- 3 – Bevel gears
- 4 – 2-fold bevel gear stage
- 5 – Drive flange
- 6 – Integrated air feed-through coupling hose

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