

Product



- ✓ **Pneumatic ring indexing table with double piston drive RST-D 134 for maximum power.**

Product Features

Unique Selling Points:

- ✓ Only the outer ring rotates. The large center portion remains stationary.

Product Features:

- ✓ Flexible control. Right, left or pendulum mode is possible by only adjusting the controls.
- ✓ Compact design – easy assembly
- ✓ All settings and air connections are located on one side
- ✓ Robust design
- ✓ Strong double piston/pinion drive
- ✓ Optional incl. rotary feed-through available
- ✓ The rotary feed-through can be also retrofitted

Market and Competitors

Key Competitors

- ✓ Festo
DHTG (4 sizes): it can be compared with the third size of Festo. The other two versions can be compared with the two smaller sizes.
- ✓ Mader
RSE (4 sizes): Mader has no consistent series.

Cost Effectiveness/Customer Benefits

- ✓ Due to the use of the rotary feed-through, handling components can be actuated in any direction without causing cables to become twisted.
- ✓ Right, left, or pendulum operation is possible via the control unit, and therefore ensures absolute flexibility to the user.
- ✓ High damping performance due to the use of hydraulic shock absorbers and a large rotary table.
- ✓ Large fixed middle part for easy attachment of further components.
- ✓ Two locking bolts means that the drive ring has zero backlash.
- ✓ Double piston drive leads to a high rotating torque.
- ✓ Center bore for media feed-through for supply of additional components.
- ✓ All settings/connections are located on one side to aid in easy commissioning.

Questions about the product? Your contact person for Gripping Systems is B. Painting (+49-7133-103-2433)

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Technical Data/Functions

Technical Data

- ✓ Sizes 60, 87, 134
- ✓ Pitch 4, 6, 8, 12, 16
- ✓ Torque max. 29.3 Nm
- ✓ Max. mass moment of inertia 0.6 kgm²
- ✓ Repeat accuracy < 0.06°
- ✓ In case of RST-P 87 and RST-D 134 up to 6 pneumatic lines can be fed through

Function

After applying pressure to the drive pistons, they move linearly in their respective bores and rotate the output ring via a rack and pinion principle.

After actuation of the locking piston it is indexed, and releases the drive pistons to return to the starting position.

Complementary products:

- ✓ Valves
- ✓ Linear modules LM, KLM, CLM
- ✓ Pick & Place Units PPU-P, PPU-E
- ✓ RVK

Industries and Application

The RST-D particularly convinces in the following industries

- ✓ Electronics assembly
- ✓ Assembly and handling technology
- ✓ Household goods
- ✓ Medical technology

Applications

- ✓ Valve assembly

Additional information

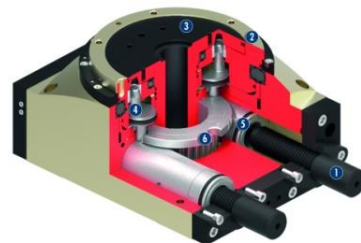
Every size is available now:

RST-D-60
RST-D-87
RST-D-134

"D" stands for double piston drive, and the size for the drive ring Ø.

Sizes 60 and 87 have pitches of 4, 6, 8, or 12.
Size 134 has a pitch of 4, 6, 8, 12, or 16.

Cross Section



1. **Damping**
to increase the damping performance
2. **Drive ring**
high-precision seated for a high axial run-out accuracy
3. **Fixed center part with center bore**
Large center part for easy attachment of further components
4. **Locking mechanism**
Two pneumatic pistons for scope-free locking in the end positions
5. **Drive**
Pneumatic, powerful double piston drive
6. **Carrier**
Serration for transmission of the rotary movement of the pinion to the drive ring

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