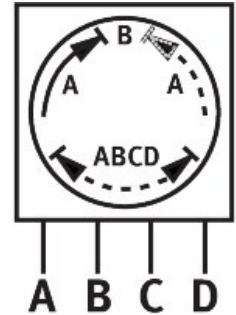


# Rotary indexing table DHTG-90-2-A-L

Part number: 8213371

FESTO



[PDF](#) General operating condition

## Data sheet

| Feature                             | Value                                                                                      |
|-------------------------------------|--------------------------------------------------------------------------------------------|
| Size                                | 90                                                                                         |
| Parallelity poppet valve            | ≤0.04 mm                                                                                   |
| Axial eccentricity poppet valve     | ≤0.02 mm                                                                                   |
| Concentricity poppet valve          | ≤0.02 mm                                                                                   |
| Repetition accuracy of swivel angle | ≤0.03 deg                                                                                  |
| Direction of rotation               | Anticlockwise rotation                                                                     |
| Cushioning                          | Shock absorber, hard characteristic curve, adjustable                                      |
| Mounting position                   | Any                                                                                        |
| Mode of operation                   | Double-acting                                                                              |
| Design                              | Gear coupling<br>Rack and pinion<br>Force pilot operated motion sequence                   |
| Symbol                              | 00992251                                                                                   |
| Position detection                  | For inductive sensors                                                                      |
| Pitch                               | 2                                                                                          |
| Operating pressure                  | 0.3 MPa ... 0.8 MPa                                                                        |
| Operating pressure                  | 3 bar ... 8 bar                                                                            |
| Operating medium                    | Compressed air to ISO 8573-1:2010 [7:4:4]                                                  |
| Note on operating and pilot medium  | Lubricated operation possible (in which case lubricated operation will always be required) |
| Corrosion resistance class CRC      | 2 - Moderate corrosion stress                                                              |
| LABS (PWIS) conformity              | VDMA24364-B2-L                                                                             |
| Storage temperature                 | -20 °C ... 80 °C                                                                           |
| Sound pressure level                | ≤70 dB(A)                                                                                  |
| Degree of protection                | IP54                                                                                       |
| Ambient temperature                 | 5 °C ... 60 °C                                                                             |
| Mass moment of inertia              | 300 kgcm <sup>2</sup>                                                                      |
| Max. axial force static             | 2000 N                                                                                     |
| Max. pull-out torque static         | 150 Nm                                                                                     |
| Max. radial force static            | 5000 N                                                                                     |
| Max. tangential torque static       | 150 Nm                                                                                     |

| Feature                                       | Value                                |
|-----------------------------------------------|--------------------------------------|
| Theoretical torque at 0.6 MPa (6 bar, 87 psi) | 4.4 Nm                               |
| Product weight                                | 4500 g                               |
| Type of mounting                              | Via through-hole and centring sleeve |
| Pneumatic connection                          | Female thread M5                     |
| Material poppet valve                         | Galvanised steel                     |
| Note on materials                             | RoHS compliant                       |
| Material stops                                | Galvanised steel                     |
| Material cover                                | Wrought aluminium alloy              |
| Material seals                                | NBR<br>TPE-U(PU)                     |
| Material housing                              | Wrought aluminium alloy              |