

# Rotary indexing table DHTG-90-6-A

Part number: 548084

FESTO



[General operating condition](#)

## Data sheet

| Feature                                       | Value                                                                                      |
|-----------------------------------------------|--------------------------------------------------------------------------------------------|
| Size                                          | 90                                                                                         |
| Parallelity poppet valve                      | $\leq 0.04$ mm                                                                             |
| Axial eccentricity poppet valve               | $\leq 0.02$ mm                                                                             |
| Concentricity poppet valve                    | $\leq 0.02$ mm                                                                             |
| Repetition accuracy of swivel angle           | $\leq 0.03$ deg                                                                            |
| 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                                         | 6                                                                                          |
| 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                          | $\leq 70$ 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                                                                                     |
| Theoretical torque at 0.6 MPa (6 bar, 87 psi) | 4.4 Nm                                                                                     |

| Feature               | Value                                |
|-----------------------|--------------------------------------|
| 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              |