

# rotary indexing table

## DHTG-90-8-A

Part number: 548085

FESTO

For position sensing.



## Data sheet

| Feature                                 | Value   |
|---|---|
| Size                                    | 90  |
| Parallelity poppet valve                | $\leq 0.04$ mm  |
| Axial ecc poppet valve                  | $\leq 0.02$ mm  |
| Concentricity poppet valve              | $\leq 0.02$ mm  |
| Repetition accuracy of the swivel angle | $\leq 0.03$ deg   |
| Cushioning                              | YSRJ: Shock absorber, hard characteristic curve, adjustable                 |
| Assembly position                       | Any   |
| Mode of operation                       | double-acting   |
| Design structure                        | Gear coupling<br>Rack and pinion<br>guided motion sequence                  |
| Position detection                      | For inductive sensors   |
| Pitch                                   | 8   |
| Operating pressure                      | 4 ... 8 bar   |
| Operating medium                        | Compressed air in accordance with ISO8573-1:2010 [7:4:4]                    |
| Note on operating and pilot medium      | Lubricated operation possible (subsequently required for further operation) |
| Corrosion resistance classification CRC | 2 - Moderate corrosion stress   |
| Sound pressure level                    | $\leq 70$ dB(A)   |
| Ambient temperature                     | 5 ... 60 °C   |
| Max. axial force static                 | 2,000 N   |
| Max. pull-out torque static             | 150 Nm  |
| Max. radial force static                | 5,000 N   |
| Max. tangential torque static           | 150 Nm  |
| Theoretical torque at 6 bar             | 4.4 Nm  |
| Product weight                          | 4,500 g   |
| Mounting type                           | With through-hole and centring sleeve                                       |
| Pneumatic connection                    | Female thread M5  |
| Material poppet valve                   | steel, galvanized   |
| Materials note                          | Free of copper and PTFE<br>Conforms to RoHS                                 |
| Material stops                          | steel, galvanized   |
| Material cover                          | Wrought Aluminium alloy   |
| Material seals                          | NBR<br>TPE-U(PU)  |
| Material housing                        | Wrought Aluminium alloy   |