

Operating mode:

By operating the hand lever on the upper assembly (1), the crossway bolt is displaced radially. The crossway bolt is pressed into the bore of the lower assembly (2).

Advantages:

Withstands high loads with low dead weight

Intuitive operation

Can be released and closed with one handle

High repeat accuracy +/- 0.02 mm

Holds up to 5,000 changing cycles

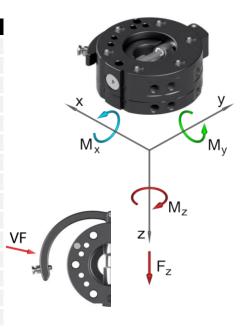
Optional connection of an energy feed-through **SEK** for electrical and pneumatic ducts

With 8 integrated pneumatic ducts

Interface according to DIN EN ISO 9409-1



| Technical st | pecifications | SHW100-P |
|--|-----------------------|---------------------|
| Basic material | | Al. anod. |
| External diameter x height [mm] | | 100 x 47 |
| Pitch circle diameter [mm] | | 80 |
| Repeat accuracy +/- [mm] | | 0,02 |
| Tension Fz [N] | | 1.000 |
| Compression -Fz [kN] | | 219 |
| Torsion Mz [Nm] | | 140 |
| Bending Mx, My [Nm] | | 130 |
| Mass [kg] | upper assembly | 0,74 |
| | lower assembly | 0,35 |
| Recommended load [kg] | | 25* / 34** |
| Locking force VF [N] | | 6 - 70 |
| Locking stroke VH [mm] | | 0 - 1 |
| Pneumatic ducts | connection | 4 x G1/8 a. 4 x D=6 |
| | max. pressure p [bar] | -1 to 8 |
| Operating temperature range [°C] | | -30 to +120 |
| * This guideline applies to the following assumptions: Acceleration: 10 m/s², gravity distance: 100 mm, double safety | | |
| ** This guideline applies to the following assumptions: Acceleration: 5 m/s², gravity distance: 100 mm, double safety | | |



| Pos. | Description |
|------|--------------------|
| 1 | Upper assembly |
| 2 | Crossway bolt (CB) |
| 3 | Hand lever |
| 4 | Holder |
| 5 | Strap pin (SP) |
| 6 | Spring locking pin |
| 7 | Guiding screw |
| 8 | Index pin |
| 9 | Cylinder bolt SP |
| 10 | Cylinder bolt CB |
| 11 | Shim ring |
| 12 | Lower assembly |
| 13 | O-ring |

| SHW100 Connector, drilled acc. to ISO | | |
|---------------------------------------|---|--|
| G-SHW100-20EP | upper assembly, E-Mount, 8 pneum. ducts, Al, anodized | |
| G-SHW100-2UEP | lower assembly, E-Mount, 8 pneum. ducts, Al, anodized | |

