

Operating mode:

By rotating the semi-cylindrical bolt by 180°, the upper assembly (1) and the lower assembly (2) are braced in a form-closed manner

Advantages:

Withstands high loads with low dead weight

Can be released and closed with one handle

High repeat accuracy +/- 0.02 mm

Resilient locking pin secures hand lever against independent releasing

Holds up to 5,000 changing cycles

During locking, the lower assembly is pulled around the

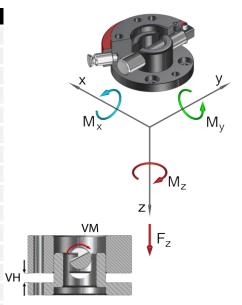
locking stroke

Interface according to DIN EN ISO 9409-1

Optional connection of a multi energy coupling MEK



| Technical specifications | | MGW080 | |
|--|----------------|-------------|--------------|
| Basic material | | Al. anod. | St, nitrated |
| External diameter x Height [mm] | | 80 x 37 | |
| Pitch circle diameter [mm] | | 63 | |
| Repeat accuracy +/- [mm] | | 0,02 | |
| Tension Fz [N] | | 1.000 | 3.000 |
| Compression -Fz [kN] | | 157 | 313 |
| Torsion Mz [Nm] | | 80 | 120 |
| Bending Mx, My [Nm] | | 100 | 160 |
| Mass [kg] | upper assembly | 0,45 | 0,92 |
| | lower assembly | 0,15 | 0,5 |
| Recommended load [kg] * | | 20 | 28 |
| Locking torque VM [Nm] | | 1,5 - 6 | 3 - 9 |
| Locking stroke VH [mm] | | 0 - 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 | | | |



| MGW Connector Ø80, drilled acc. to ISO | | | |
|---|--|--|--|
| G-MGW080-2O | upper assembly, Al, anodized | | |
| G-MGW080-20E | upper assembly, E-Mount, Al, anodized | | |
| G-MGW080-20EN | upper assembly, E-Mount, steel, nitrated | | |
| G-MGW080-2O-N | upper assembly, steel, nitrated | | |
| G-MGW080-2U | lower assembly, AI, anodized | | |
| G-MGW080-2UE | lower assembly, E-Mount, AI, anodized | | |
| G-MGW080-2UEN | lower assembly, E-Mount, steel, nitrated | | |
| G-MGW080-2U-N | lower assembly, steel, nitrated | | |
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| G-MGW080-2U-N | lower assembly, steel, nitrated | |
|-----------------------------------|---------------------------------|--|
| Replacement semi-cylindrical bolt | | |
| EG-MGW080-HB | for MGW080 | |
| EG-MGW080-HB-VA | for MGW080, out off VA | |
| Replacement hand lever | | |

| FG-MGW080-HH | for MGW080 |
|--------------|------------|

| Pos. | Description |
|------|-----------------------|
| 1 | Upper assembly |
| 2 | Semi-cylindrical bolt |
| 3 | Hand lever |
| 4 | Index pin |
| 5 | Cylinder bolt |
| 6 | Spring locking pin |
| 7 | Setscrew |
| 8 | Lower assembly |

