

G-MGW160

Technical specifications



Operating mode:

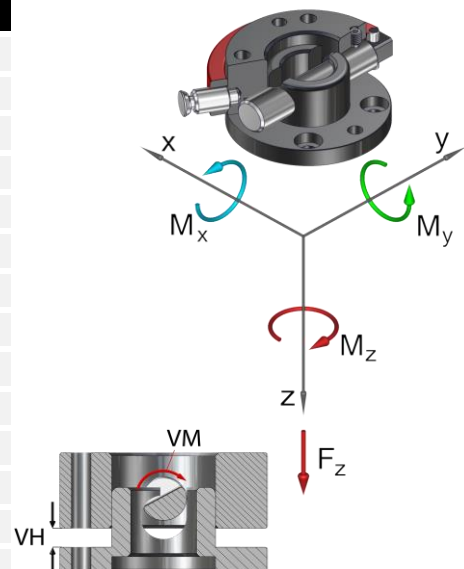
By rotating the semi-cylindrical bolt by 180°, the upper assembly (1) and the lower assembly (2) are braced in a form-closed manner

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 | | MGW160 | |
|--|----------------|-------------|--------------|
| Basic material | | Al. anod. | St, nitrated |
| External diameter x Height [mm] | | 160 x 70 | |
| Pitch circle diameter [mm] | | 125 | |
| Repeat accuracy +/- [mm] | | 0,02 | |
| Tension Fz [N] | | 2.500 | 10.000 |
| Compression -Fz [kN] | | 626 | 1.252 |
| Torsion Mz [Nm] | | 250 | 1.000 |
| Bending Mx, My [Nm] | | 320 | 1.000 |
| Mass [kg] | upper assembly | 2,8 | 6,6 |
| | lower assembly | 1,3 | 3,85 |
| Recommended load [kg] | | 75 * | 120 ** |
| Locking torque VM [Nm] | | 3 - 24 | 4 - 30 |
| Locking stroke VH [mm] | | 0 - 10 | |
| Operating temperature range [°C] | | -30 to +120 | |
| * This guideline applies to the following assumptions: Acceleration: 10 m/s², gravity distance: 100 mm, 1.6 times safety | | | |
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MGW Connector Ø160, drilled acc. to ISO...

| | |
|---------------|--|
| G-MGW160-2O | upper assembly, Al, anodized |
| G-MGW160-2OE | upper assembly, E-Mount, Al, anodized |
| G-MGW160-2OEN | upper assembly, E-Mount, steel, nitrated |
| G-MGW160-2O-N | upper assembly, steel, nitrated |
| G-MGW160-2U | lower assembly, Al, anodized |
| G-MGW160-2UE | lower assembly, E-Mount, Al, anodized |
| G-MGW160-2UEN | lower assembly, E-Mount, steel, nitrated |
| G-MGW160-2U-N | lower assembly, steel, nitrated |

Replacement semi-cylindrical bolt...

| | |
|-----------------|------------------------|
| EG-MGW160-HB | for MGW160 |
| EG-MGW160-HB-VA | for MGW160, out off VA |

Replacement hand lever

| | |
|--------------|------------|
| EG-MGW160-HH | for MGW160 |
|--------------|------------|

| 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 |

