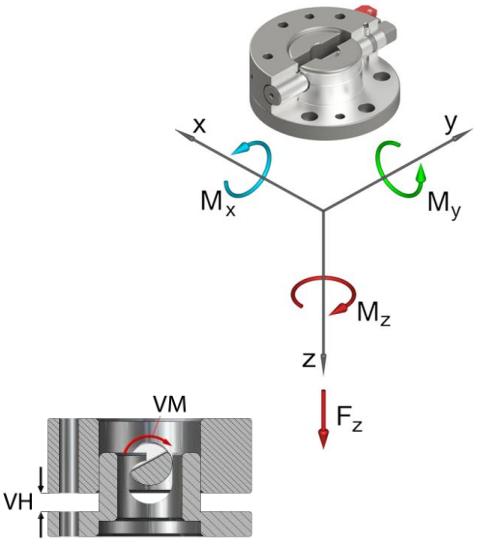
# G-SWS160

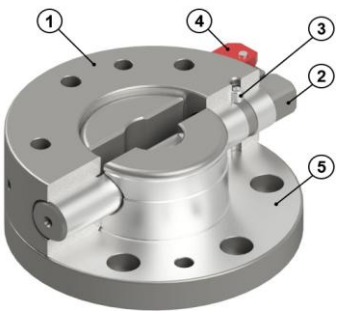
Technical specifications

| Operating mode: |
|---|
| By rotating the semi-cylindrical bolt by 180° the upper assembly (1) and the lower assembly (2) are positively locked together. |
| **Advantages:** |
| Cost-effective alternative to the MGW |
| Without hand lever, thereby low interference contours |
| High repeat accuracy +/- 0,02 mm |
| Optional connection of an MEK multi-energy coupling for electrical and pneumatic connections. |
| Holds up to 10,000 changing cycles |
| During locking, the lower assembly is pulled around the locking stroke |
| Interface according to DIN EN ISO 9409-1 |

| Technical specifications | | SWS160 |
|---|---|---|
| Basic material | | steel, nitrided |
| External diameter x Height [mm] | | 160 x 70 |
| Pitch circle diameter [mm] | | 125 |
| Repeat accuracy +/- [mm] | | 0,02 |
| Tension Fz [N] | | 10.000 |
| Compression -Fz [kN] | | 1.252 |
| Torsion Mz [Nm] | | 1.000 |
| Bending Mx, My [Nm] | | 1.000 |
| Mass [kg] | upper assembly | 6,6 |
| | lower assembly | 3,85 |
| Recommended load [kg] * | | 120 |
| Locking moment VM [Nm] | | 4 - 30 |
| Locking stroke VH [mm] | | 0 - 10 |
| Operating temperature range [°C] | | -30 to +120 |

* The recommended load is based on the following assumptions:
Acceleration: 10m/s², center of gravity distance: 200 mm, 1,7 times safety




| Quick change system Ø160, drilled according to ISO, steel, nitrided. | |
|---|---|
| G-SWS160-2O-N | upper assembly, safety lock |
| G-SWS160-2OEN | upper assembly, E-Mount, safety lock |
| G-SWS160-2U-N | lower assembly |
| G-SWS160-2UEN | lower assembly, E-Mount |
| **Replacement semi-cylindrical bolt…** | |
| EG-SWS160-HB | for SWS160 |
| **Replacement safety lock…** | |
| EG-SWS160-VS2 | for SWS160 |
| **Square socket key…** | |
| ZG-VKS160-SW20 | for SW 20 |

| Pos. | Description |
|---|---|
| 1 | Upper assembly |
| 2 | Semi-cylindrical bolt |
| 3 | Setscrew |
| 4 | Safety lock |
| 5 | Lower assembly |