

MGW160

Technical specifications



Operating mode:

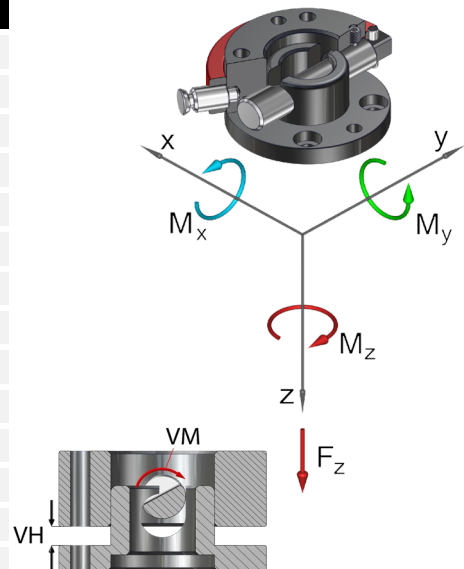
By rotating the semi-cylindrical bolt by 180°, the upper assembly (1) and the lower assembly (2) are braced in a form-closed manner

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 acc. to DIN EN ISO 9409-1
- Optional connection of a Multi energy coupling **MEK**



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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	
* This guideline applies to the following assumptions: Acceleration: 10 m/s ² , gravity distance: 100 mm, double safety			
** This guideline applies to the following assumptions: Acceleration: 10 m/s ² , gravity distance: 250 mm, 1.6 times safety			



Manual gripper change system Ø160, drilled acc. to ISO...	
G-MGW160-2O	upper assembly, Al, anodized
G-MGW160-2OE	upper assembly, E-Mounting, Al, anodized
G-MGW160-2OEN	upper assembly, E-Mounting, steel, nitrated
G-MGW160-2O-N	upper assembly, steel, nitrated
G-MGW160-2U	lower assembly, Al, anodized
G-MGW160-2UE	lower assembly, E-Mounting, Al, anodized
G-MGW160-2UEN	lower assembly, E-Mounting, 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

