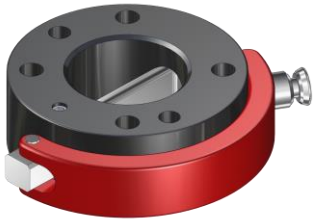
G-MGW080

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**

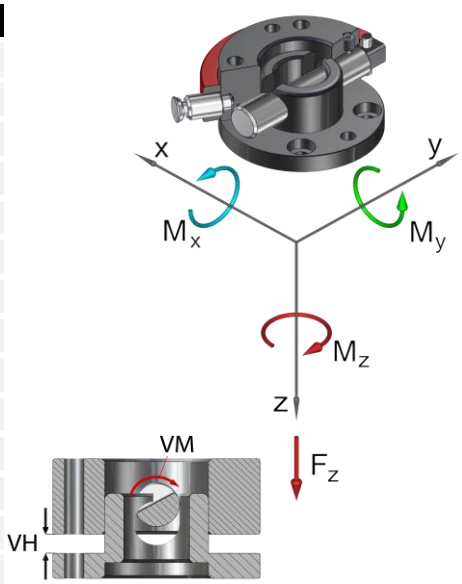


1

2

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-MGW080-2OE	upper assembly, E-Mount, Al, anodized
G-MGW080-2OEN	upper assembly, E-Mount, steel, nitrated
G-MGW080-2O-N	upper assembly, steel, nitrated
G-MGW080-2U	lower assembly, Al, anodized
G-MGW080-2UE	lower assembly, E-Mount, Al, anodized
G-MGW080-2UEN	lower assembly, E-Mount, steel, nitrated
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	
EG-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