

# G-MGW100

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

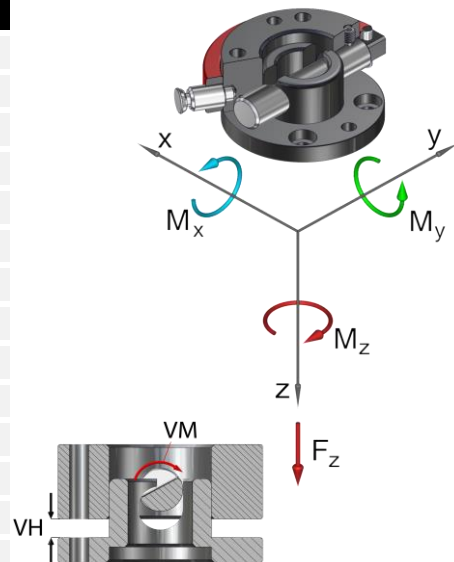
### Advantages:

- 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		MGW100	
Basic material		Al. anod.	St, nitrated
External diameter x Height [mm]		100 x 45	
Pitch circle diameter [mm]		80	
Repeat accuracy +/- [mm]		0,02	
Tension Fz [N]		1.200	4.200
Compression -Fz [kN]		219	439
Torsion Mz [Nm]		110	185
Bending Mx, My [Nm]		130	205
Mass [kg]	upper assembly	0,74	1,53
	lower assembly	0,35	1,01
Recommended load [kg] *		28	39
Locking torque VM [Nm]		2 – 10	3 – 14
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 Ø100, drilled acc. to ISO...

G-MGW100-2O	upper assembly, Al, anodized
G-MGW100-2OE	upper assembly, E-Mount, Al, anodized
G-MGW100-2OEN	upper assembly, E-Mount, steel, nitrated
G-MGW100-2O-N	upper assembly, steel, nitrated
G-MGW100-2U	lower assembly, Al, anodized
G-MGW100-2UE	lower assembly, E-Mount, Al, anodized
G-MGW100-2UEN	lower assembly, E-Mount, steel, nitrated
G-MGW100-2U-N	lower assembly, steel, nitrated

### Replacement semi-cylindrical bolt...

EG-MGW100-HB	for MGW100
EG-MGW100-HB-VA	for MGW100, out off VA

### Replacement hand lever

EG-MGW100-HH	for MGW100
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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

