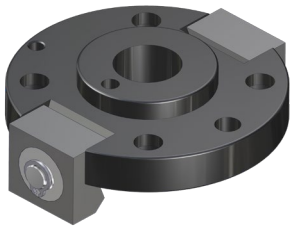
G-SWA080

Technical specifications

Operating mode:
By turning the axis, the upper (1) and the lower assembly (2) are locked.
The wedge-shaped flanges brace the system in a form-closed manner.

Advantages:
Reduced height to a minimum
Very low interference contours
High repeat accuracy +/- 0,02 mm
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



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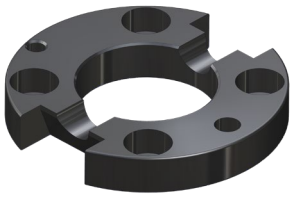
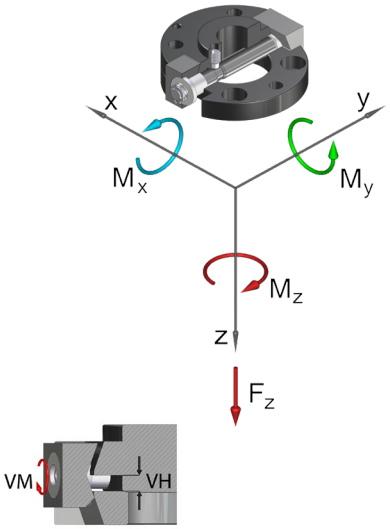


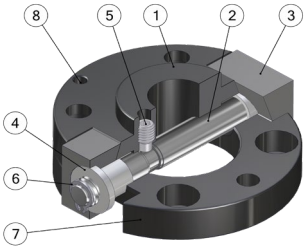
2

Technical specifications		SWA080	
Basic material		Al, anod.	St, nitrated
External diameter x height [mm]		80 x 20	
Pitch circle diameter [mm]		63	
Repeat accuracy +/- [mm]		0,02	
Tension Fz [N]		1.200	1.400
Compression -Fz [kN]		157	313
Torsion Mz [Nm]		140	160
Bending Mx [Nm]		120	140
Bending My [Nm]		80	90
Mass [kg]	Upper assembly	0,25	0,5
	Lower assembly	0,1	0,25
Recommended load [kg] *		16	18
Locking torque VM [Nm]		16	
Locking stroke VH [mm]		0 - 6	
Operating temperature range [°C]		-30 to +120	

* This guideline applies to the following assumptions:
Acceleration: 10 m/s², gravity distance: 100 mm, 2,5 times safety



Quick change adapter Ø80, drilled according to ISO…	
G-SWA080-2O	upper assembly, Al, anodized
G-SWA080-2O-N	upper assembly, steel, nitrated
G-SWA080-2U	lower assembly, Al, anodized
G-SWA080-2U-N	lower assembly, steel, nitrated
Replacement axis…	
EG-SWA080-A	for SWA080



Pos.	Description
1	Upper assembly
2	Axis
3	Flange
4	Screw nut
5	Setscrew
6	Locking ring
7	Lower assembly
8	Index pin