

# G-SWA160

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.

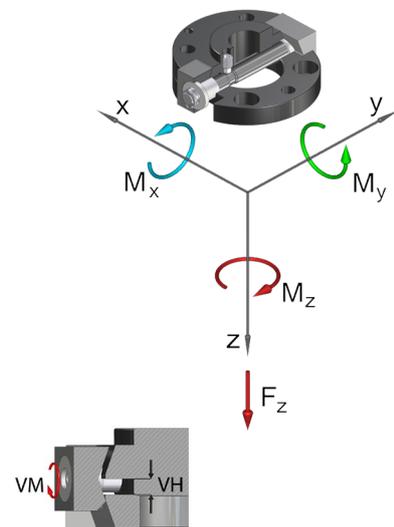
### Advantages:

- 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



Technical specifications		SWA160	
Basic material		Al, anod.	St, nitrated
External diameter x height [mm]		160 x 40	
Pitch circle diameter [mm]		125	
Repeat accuracy +/- [mm]		0,02	
Tension Fz [N]		2.800	3.300
Compression -Fz [kN]		626	1.252
Torsion Mz [Nm]		460	500
Bending Mx [Nm]		350	410
Bending My [Nm]		280	320
Mass [kg]	Upper assembly	1,75	3,5
	Lower assembly	0,8	2
Recommended load [kg] *		56	62
Locking torque VM [Nm]		40	
Locking stroke VH [mm]		0 - 14	
Operating temperature range [°C]		-30 to +120	

\* This guideline applies to the following assumptions:  
Acceleration: 10 m/s<sup>2</sup>, gravity distance: 100 mm, 2,5 times safety

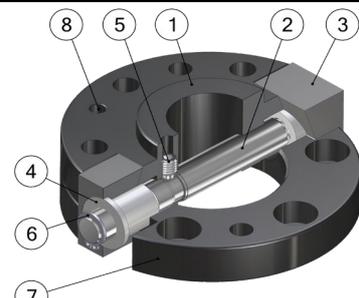


### Quick change adapter Ø160, drilled according to ISO...

G-SWA160-2O	upper assembly, Al, anodized
G-SWA160-2O-N	upper assembly, steel, nitrated
G-SWA160-2U	lower assembly, Al, anodized
G-SWA160-2U-N	lower assembly, steel, nitrated

### Replacement axis...

EG-SWA160-A	for SWA160
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Pos.	Description
1	Upper assembly
2	Axis
3	Flange
4	Screw nut
5	Setscrew
6	Locking ring
7	Lower assembly
8	Index pin