

# G-SHS050

## Technical specifications



### Operating mode:

By operating the hand lever on the upper assembly (1), the crossway bolt is displaced radially. The crossway bolt is pressed into the bore of the lower assembly (2).

### Advantages:

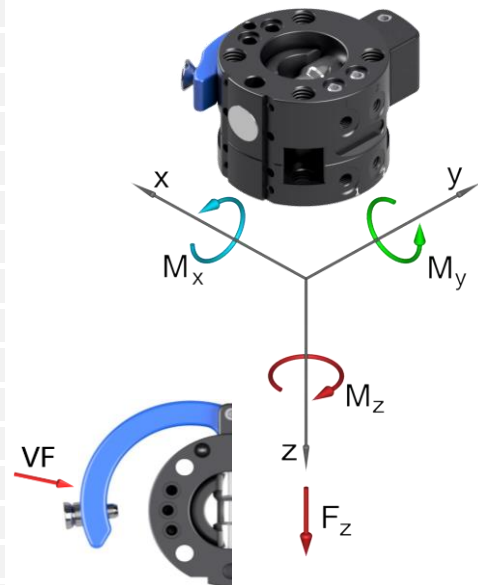
- Withstands high loads with low dead weight
- Intuitive operation
- Can be released and closed with one handle
- High repeat accuracy +/- 0.02 mm
- Holds up to 5,000 changing cycles
- Optional connection of an energy feed-through for electrical and pneumatic ducts
- With 4 integrated pneumatic ducts
- Interface according to DIN EN ISO 9409-1-40-4-M6



Technical specifications		SHS050
Basic material		Al. anod.
External diameter x height [mm]		50 x 39
Pitch circle diameter [mm]		40
Repeat accuracy +/- [mm]		0,02
Tension Fz [N]		700
Compression -Fz [kN]		48
Torsion Mz [Nm]		75
Bending Mx, My [Nm]		45
Mass [kg]	upper assembly	0,13
	lower assembly	0,07
Recommended load [kg]		8* / 12**
Locking force VF [N]		4 - 50
Locking stroke VH [mm]		0 - 1
Pneumatic ducts	connection	2 x M5 a. 2 x D=2,8
	max. pressure p [bar]	-1 to 8
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, double safety

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



Pos.	Description
1	Upper assembly
2	Crossway bolt (CB)
3	Hand lever
4	Holder
5	Strap pin (SP)
6	Spring locking pin
7	Guiding screw
9	Cylinder bolt SP
10	Cylinder bolt CB
11	Shim ring
12	Lower assembly

### SHS050 Connector, drilled acc. to ISO...

G-SHS050-O-K040	upper assembly, E-Mount, 4 pneum. ducts, Al, anodized
G-SHS050-U-A040	lower assembly, E-Mount, 4 pneum. ducts, Al, anodized

