G-SHS080 Pro

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 6 radial pneumatic ducts
Interface according to DIN EN ISO 9409-1-63-4-M6

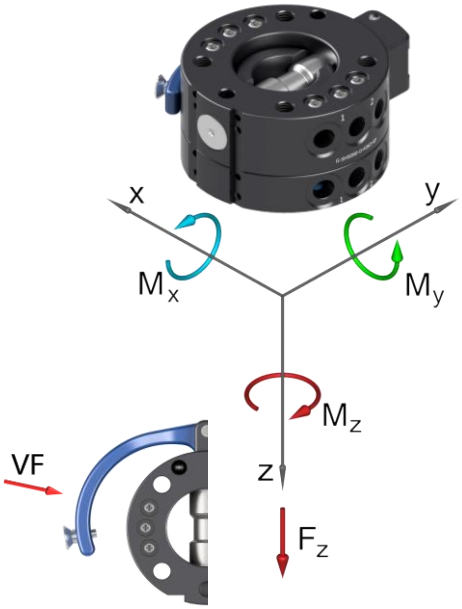
1

2

Technical specifications		SHS080 Pro
Basic material		Al. anod.
External diameter x height [mm]		80 x 46,5
Pitch circle diameter [mm]		63
Repeat accuracy +/- [mm]		0,02
Tension Fz [N]		1000
Compression -Fz [kN]		160
Torsion Mz [Nm]		240
Bending Mx, My [Nm]		150
Mass [kg]	upper assembly	0,42
	lower assembly	0,23
Recommended load [kg]		20* / 28**
Locking force VF [N]		5 - 60
Locking stroke VH [mm]		0 - 1
Pneumatic ducts	connection	6 x G1/8
	max. pressure p [bar	-1 to 8
Operating temperature range [°C]		-30 to +120

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

** This guideline applies to the following assumptions:
Acceleration: **5 m/s²**, 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
8	Grub screw
9	Cylinder bolt SP
10	Cylinder bolt CB
11	Shim ring
12	Lower assembly

SHS080 Pro Connector, drilled acc. to ISO…	
G-SHS080-O-K063-6P	upper assembly, E-Mount, 6 pneum. ducts, Al, anodized
G-SHS080-U-A063	lower assembly, E-Mount, 6 pneum. ducts, Al, anodized