G-SHS160

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 12 integrated pneumatic ducts
Interface according to DIN EN ISO 9409-1-125-6-M10

1

2

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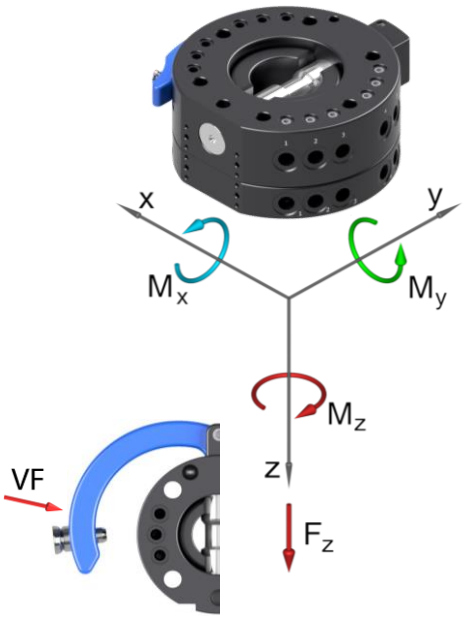
Basic material		Al. anod.
External diameter x height [mm]		160 x 78
Pitch circle diameter [mm]		125
Repeat accuracy +/- [mm]		0,02
Tension Fz [N]		3.000
Compression -Fz [kN]		626
Torsion Mz [Nm]		2325
Bending Mx, My [Nm]		960
Mass [kg]	upper assembly	2,42
	lower assembly	1,45
Recommended load [kg]		52* / 68**
Locking force VF [N]		10 - 100
Locking stroke VH [mm]		0 - 1
Pneumatic ducts	connection	6 x G1/4 a. 6 x D=6,5
	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
9	Cylinder bolt SP
10	Cylinder bolt CB
11	Shim ring
12	Lower assembly
13	Pneumatic seals

SHS160 Connector, drilled acc. to ISO…	
G-SHS160-O-K125	upper assembly, E-Mount, 12 pneum. ducts, Al, anodized
G-SHS160-U-A125	lower assembly, E-Mount, 12 pneum. ducts, Al, anodized