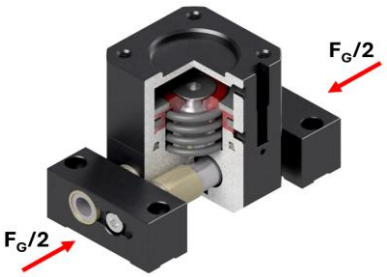
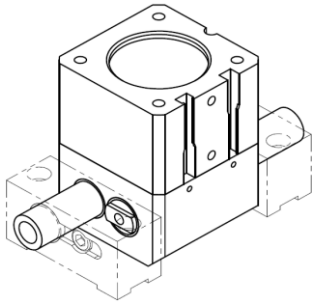
Operating mode:
The double-acting cylinder is operated via pneum. compressed air and actuates the power unit. By two angularly arranged springs, which engage in the grooves of the bolts, the vertical is converted into horizontal movement.
Advantages:
High life span
Two stroke variants stroke 1 or stroke 2
Mechanical interface according to DIN EN ISO 9409-12
Low dead weight
Optional gripping force safety device "opening" via pressure spring (7)
Optional gripping force safety device "closing" via pressure spring (7)
Depending on the mounting, gripping force safety device "closing" or "opening"
Universal jaws (15) for easy mounting of specific fingers
Piston position detection optionally via proximity switch ZG-RSGU01-300-M8

Technical specifications				GP125
Gripping force at 6 bar	F_G [N]	stroke 1	opening	4900
			shutting	4100
		stroke 2	opening	2450
			shutting	2050
Gripping force factor	f_g [N/ bar]	stroke 1	opening	816
			shutting	683
		stroke 2	opening	408
			shutting	341,5
Gripping force safety device	F_S [N]	stroke 1	min.	1100
			max.	2200
		stroke 2	min.	550
			max.	1100
System stroke per jaw	h [mm]	stroke 1		7
		stroke 2		14
Rec. component weight (stroke 1)			m_w [kg]	41*
Rec. component weight (stroke 2)			m_w [kg]	20.5*
Weight gripper			m_g [kg]	3
Operating pressure (with gripping force safety device)				5 …6 bar
Operating pressure (w/o gripping force safety device)				2 …6 bar
Air consumption per stroke			V [ccm]	70,4
Air connection			P_{max} = 10 bar	G 1/8
Mounting flange			ISO	4 x M8 on Ø100
Operating temperature range [°C]				-30 to +120

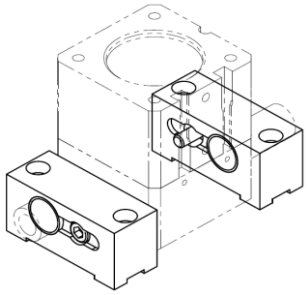
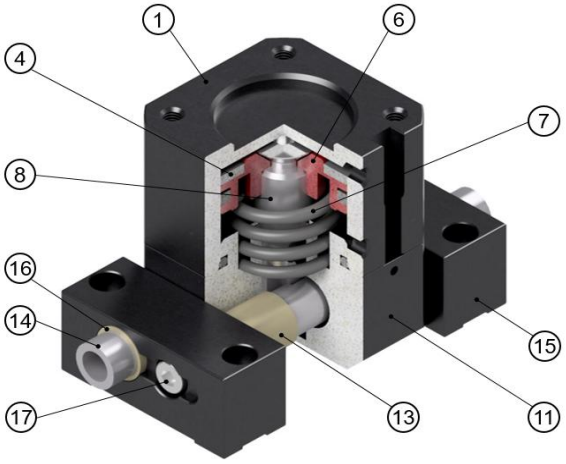
* This guideline applies to the following assumptions:
force-locking, static friction coefficient: **0,2**, operating pressure: **6 bar**, double safety



Parallel gripper Ø125…	
G-GP125-I1-GÖ	ISO-flange, stroke 1 gripping force safety device opening
G-GP125-I1-GS	ISO-flange, stroke 1 gripping force safety device shutting
G-GP125-I1-O	ISO-flange, stroke 1 without gripping force safety device
G-GP125-I2-GÖ	ISO-flange, stroke 2 gripping force safety device opening
G-GP125-I2-GS	ISO-flange, stroke 2 gripping force safety device shutting
G-GP125-I2-O	ISO-flange, stroke 2 without gripping force safety device



Equipment GP	
ZG-GP125-UB	Universal jaw for GP125 pair
ZG-RSGU-01	Signal transmitter with LED
ZG-RSGU01-300-M8	Signal transmitter with LED, with M8 plug
Spare parts GG	
EG-GG125-DS	Gasket set for gripper size 125



Pos.	Description
1	Cylinder ISO
4	Magnetic ring
6	Cone
7	Compression spring
8	Power unit 1/2
11	Housing
13	Plain bearing bushing housing
14	Bolt 1/2
15	Universal jaw
16	Plain bearing bushing UB
17	Cylinder head screw UB