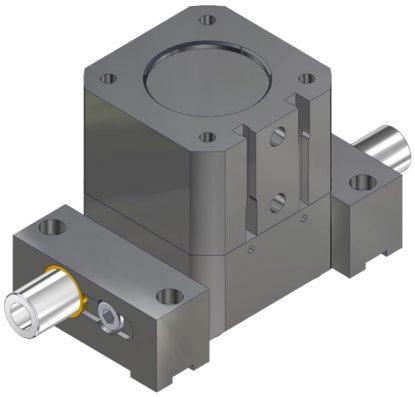
# G-GP125

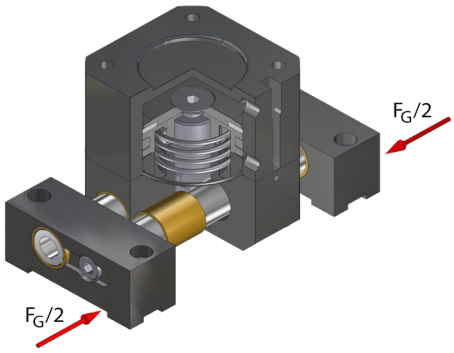
Technical specifications

| 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. |

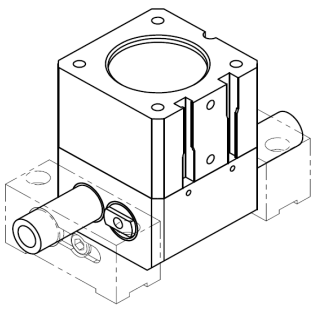
| Advantages: |
|---|
| High life span |
| Two stroke variants stroke 1 or stroke 2 |
| Mechanical interface according to DIN EN ISO 9409-12 |
| Low dead weight |
| Optional gripping force safety device "opening" via pressure spring (7) |
| Optional gripping force safety device "closing" via pressure spring (7) |
| Depending on the mounting, gripping force safety device "closing" or "opening" |
| Gripping force safety device |
| Piston position detection by means of proximity switch ZG-RSGU01 / 300-M8 |



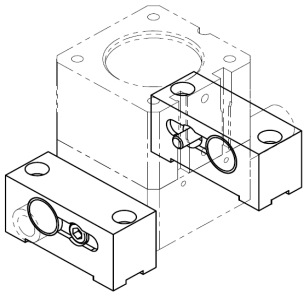
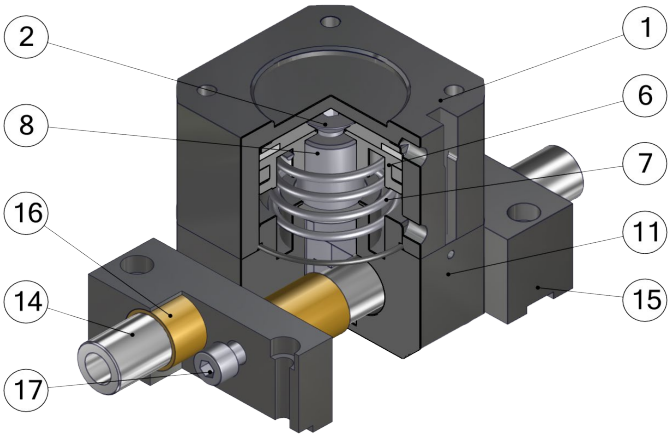
| Technical specifications | | | | GP125 |
|---|---|---|---|---|
| Gripping force at 6 bar | FG [N] | stroke 1 | opening | 4900 |
| | | | shutting | 4100 |
| | | stroke 2 | opening | 2450 |
| | | | shutting | 2050 |
| Gripping force factor | fg [N/ bar] | stroke 1 | opening | 816 |
| | | | shutting | 683 |
| | | stroke 2 | opening | 408 |
| | | | shutting | 341,5 |
| Gripping force safety device | FS [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 |
| Recommended component weight | | | mw [kg] | 40 |
| Weight gripper | | | mg [kg] | 3 |
| Air consumption per Hub | | | V [ccm] | 70,4 |
| Air connection | | | Pmax = 10 bar | G 1/8 |
| Mounting flange | | | ISO | 4 x M8 on TK ø100 |
| Operating temperature range [°C] | | | | -30 to +120 |




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



| Equipment GP | |
|---|---|
| ZG-GP125-UB | Universal jaw for GP050 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 |
| 2 | Countersunk screw |
| 3 | Cap |
| 4 | Magnetic ring |
| 5 | Quadrat ring 1 |
| 6 | Cone |
| 7 | Compression spring |
| 8 | Power unit 1/2 |
| 9 | Quadrat ring 2 |
| 10 | O- Ring |
| 11 | Housing |
| 12 | Cylinder head screw housing |
| 13 | Plain bearing bushing housing |
| 14 | Bolt 1/2 |
| 15 | Universal jaw |
| 16 | Plain bearing bushing UB |
| 17 | Cylinder head screw UB |