

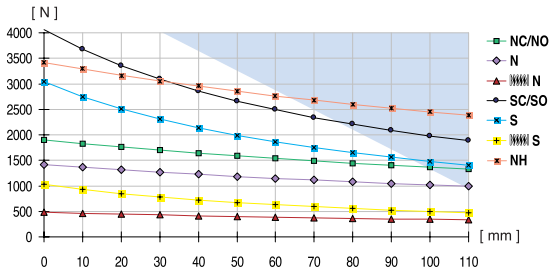
| | | | | | | | | | | | | |
|------------------|-------|--------------------------|--------------|-------|---------------|-------|-----------------------|--|----------------|--|------------------|--|
| Parallel gripper | | Three-jaw gripper | | | Angle gripper | | Internal-hole gripper | | Other grippers | | Electric gripper | |
| GD304 | GD306 | GD308 | GD310 | GD312 | GD316 | GD320 | Pressing star | | Universal jaw | | | |



Three-jaw gripper with T-slot guide

Advantages, benefits, comparisons and tips! Stacks of information all about this product are on page 103.

Gripping force as a function of jaw length



Colored area: increased wear and tear to be expected

| | | | | | | |
|--|-----------------|-----------------|----------------|-----------------|-----------------|-----------------|
| Order no.: | | | | | | |
| GD310 N | GD310 NC | GD310 NO | GD310 S | GD310 SC | GD310 SO | GD310 NH |
| Drive: | | | | | | |
| pneum. | pneum. | pneum. | pneum. | pneum. | pneum. | hydr. |
| Stroke per jaw [mm]: | | | | | | |
| 10 | 10 | 10 | 5 | 5 | 5 | 10 |
| Gripping force in closing and opening [N]: | | | | | | |
| 1400 | - | - | 3000 | - | - | 3400 |
| Gripping force in closing [N]: | | | | | | |
| - | 1800 | - | - | 4000 | - | - |
| Gripping force in opening [N]: | | | | | | |
| - | - | 1800 | - | - | 4000 | - |
| Self-locking via: | | | | | | |
| DSV1/8 | Spring | Spring | DSV1/8 | Spring | Spring | - |
| Closing time/opening time [s]: | | | | | | |
| 0,09 | 0,11 | 0,11 | 0,09 | 0,11 | 0,11 | 0,5 |
| Repeatability ± [mm]: | | | | | | |
| 0,05 | 0,05 | 0,05 | 0,05 | 0,05 | 0,05 | 0,05 |
| Min./max. operating pressure [bar]: | | | | | | |
| 3/8 | 5/8 | 5/8 | 3/8 | 5/8 | 5/8 | 10/40 |
| Air volume per cycle [cm³]: | | | | | | |
| 74 | 150 | 150 | 74 | 150 | 150 | - |
| Oil volume per cycle [cm³]: | | | | | | |
| - | - | - | - | - | - | 36 |
| Min./max. operating temperature [°C]: | | | | | | |
| 5/80 | 5/80 | 5/80 | 5/80 | 5/80 | 5/80 | 5/80 |
| Temp. resistant version up to 150° C [add to part number]: | | | | | | |
| T2 | T2 | T2 | T2 | T2 | T2 | T2 |
| Piston diameter [mm]: | | | | | | |
| 63 | 63 | 63 | 63 | 63 | 63 | 45 |
| Weight [kg]: | | | | | | |
| 1,8 | 2,4 | 2,4 | 1,8 | 2,4 | 2,4 | 1,9 |

All data measured at 6 bar (hydr. 30 bar).

See Page 103 for Accessory list.

Pressing star available (see page 111).



| |
|--------------------|
| Sommer-automatic |
| Grippers |
| Separators |
| Swivel units |
| Rotating jaws |
| Axial compensators |
| Tool changers |
| Linear cylinders |
| Shock absorbers |
| Rotary cylinders |
| Air vane motors |
| Vacuum components |
| Accessories |
| Quick finder |

