

Parallel gripper

Three-jaw gripper

Angle gripper

Internal-hole gripper

Other grippers

Electric gripper

GP403

GP404

GP406

GP408

GP410

GP412

GP416

GP420

GP430

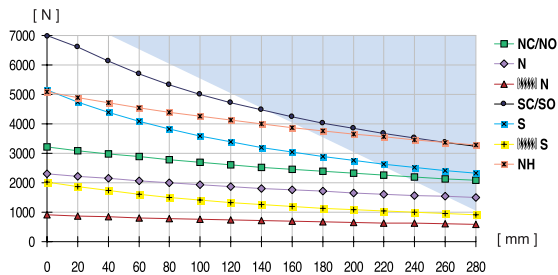
Universal jaw



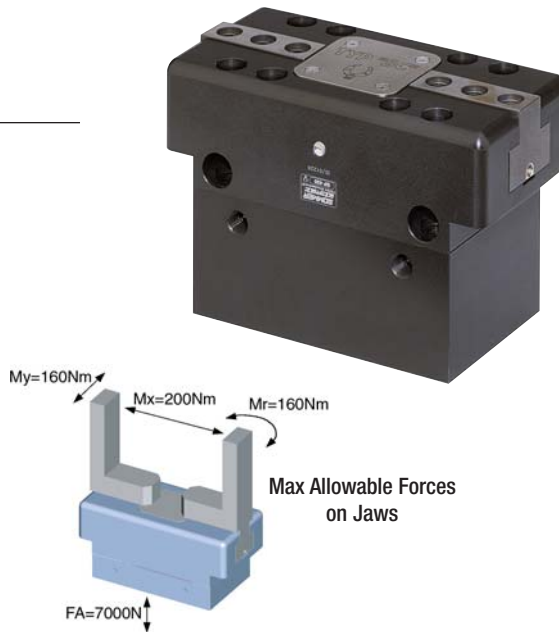
Parallel gripper with T-slot guide

Advantages, benefits, comparisons and tips! Stacks of information all about this product are on page 17.

Gripping force as a function of jaw length



Colored area: increased wear and tear to be expected



Max Allowable Forces on Jaws

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

Order no.:

GP420 N	GP420 NC	GP420 NO	GP420 S	GP420 SC	GP420 SO	GP420 NH
Drive:						
pneum.	pneum.	pneum.	pneum.	pneum.	pneum.	hydr.
Stroke per jaw [mm]:						
20	20	20	10	10	10	20
Gripping force in closing and opening [N]:						
2300	-	-	5100	-	-	5100
Gripping force in closing [N]:						
-	3200	-	-	7000	-	-
Gripping force in opening [N]:						
-	-	3200	-	-	7000	-
Self-locking via:						
DSV1/8	Spring	Spring	DSV1/8	Spring	Spring	-
Closing time/opening time [s]:						
0,15	0,25	0,25	0,15	0,25	0,25	0,6
Repeatability ± [mm]:						
0,025	0,3	0,3	0,025	0,3	0,3	0,025
Min./max. operating pressure [bar]:						
3 / 8	5 / 8	5 / 8	3 / 8	5 / 8	5 / 8	10 / 40
Air volume per cycle [cm³]:						
233	583	583	233	583	583	-
Oil volume per cycle [cm³]:						
-	-	-	-	-	-	110
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]:						
T3	T3	T3	T3	T3	T3	T3
Piston diameter [mm]:						
80	80	80	80	80	80	55
Weight [kg]:						
5,4	6,7	6,7	5,4	6,7	6,7	5,7

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

See Page 17 for Accessory list.

