

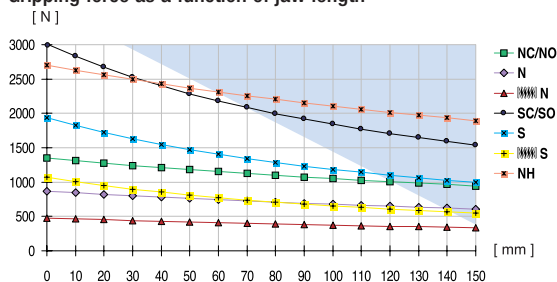
Parallel gripper		Three-jaw gripper		Angle gripper		Internal-hole gripper		Other grippers		Electric gripper	
GP403	GP404	GP406	GP408	GP410	GP412	GP416	GP420	GP430	Universal jaw		



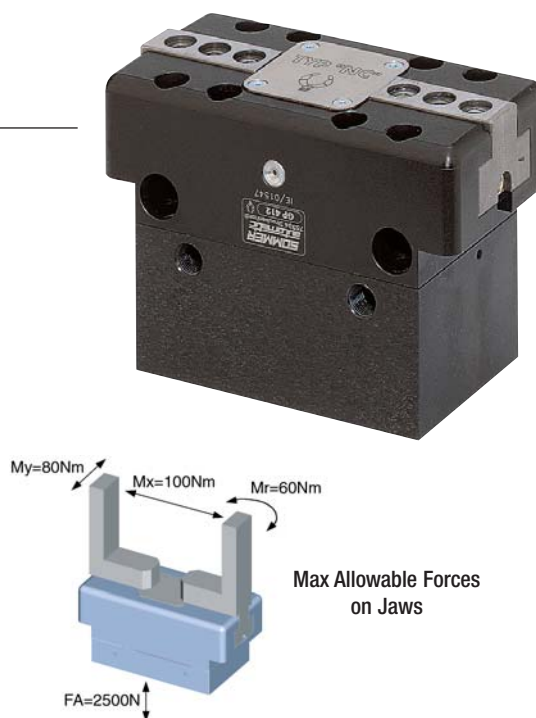
Parallel gripper with T-slot guide

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.:						
GP412 N	GP412 NC	GP412 NO	GP412 S	GP412 SC	GP412 SO	GP412 NH
Drive:						
pneum.	pneum.	pneum.	pneum.	pneum.	pneum.	hydr.
Stroke per jaw [mm]:						
12	12	12	6	6	6	12
Gripping force in closing and opening [N]:						
900	-	-	1950	-	-	2700
Gripping force in closing [N]:						
-	1400	-	-	3000	-	-
Gripping force in opening [N]:						
-	-	1400	-	-	3000	-
Self-locking via:						
DSV1/8	Spring	Spring	DSV1/8	Spring	Spring	-
Closing time/opening time [s]:						
0,08	0,1	0,1	0,08	0,1	0,1	0,5
Repeatability ± [mm]:						
0,025	0,025	0,025	0,025	0,025	0,025	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]:						
55	100	100	55	100	100	-
Oil volume per cycle [cm³]:						
-	-	-	-	-	-	34
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]:						
50	50	50	50	50	50	40
Weight [kg]:						
1,4	1,78	1,78	1,4	1,78	1,78	1,4

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

See Page 17 for Accessory list.

