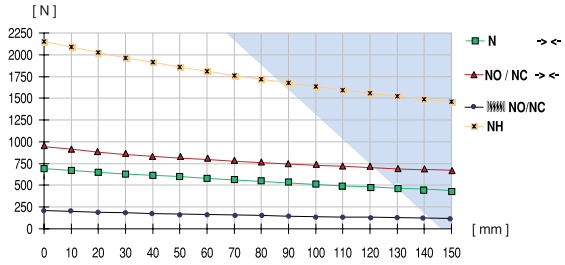
Parallel gripper

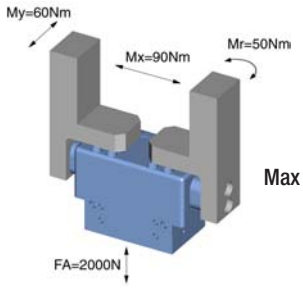
with sealed 4-sided guide

Advantages, benefits, comparisons and tips!
Stacks of information all about this product are on page 35.

Gripping force as a function of jaw length



Colored area: increased wear and tear to be expected

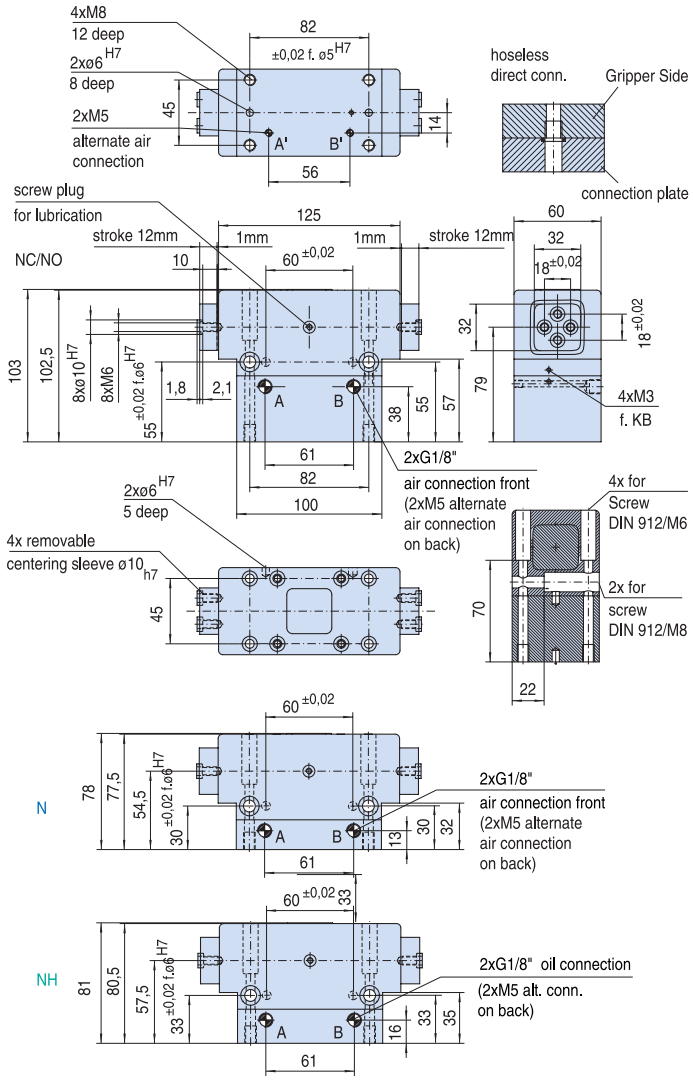


Max Allowable Forces on Jaws

Order no.:						
GP1812 N	GP1812 NC	GP1812 NO	GP1812 NH			
Drive:						
pneum.	pneum.	pneum.	hydr.			
Stroke per jaw [mm]:						
12	12	12	12			
Gripping force in closing and opening [N]:						
690	-	-	2150			
Gripping force in closing [N]:						
-	960	-	-			
Gripping force in opening [N]:						
-	-	960	-			
Self-locking via:						
DSV1/8	Spring	Spring	-			
Closing time/opening time [s]:						
0,07	0,09	0,09	0,2			
Repeatability ± [mm]:						
0,05	0,05	0,05	0,05			
Min./max. operating pressure [bar]:						
4 / 8	5 / 8	5 / 8	10 / 30			
Air volume per cycle [cm³]:						
72	133	133	-			
Oil volume per cycle [cm³]:						
-	-	-	50			
Min./max. operating temperature [°C]:						
5 / 80	5 / 80	5 / 80	5 / 80			
Temp. resistant version up to 150° C [add to part number]:						
T3	T3	T3	T3			
Piston diameter [mm]:						
50	50	50	40			
Weight [kg]:						
1,6	2	2	1,7			

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

See Page 35 for Accessory list.



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