

Parallel gripper

Three-jaw gripper

Angle gripper

Internal-hole gripper

Other grippers

Electric gripper

GP1803

GP1804

GP1806

GP1808

GP1810

GP1812

GP1816

GP1820

GP1830

Universal Jaw



Sommer-automatic

Grippers

Separators

Swivel units

Rotating jaws

Axial compensators

Tool changers

Linear cylinders

Shock absorbers

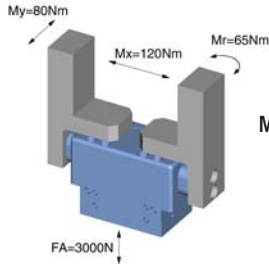
Rotary cylinders

Air vane motors

Vacuum components

Accessories

Quick finder

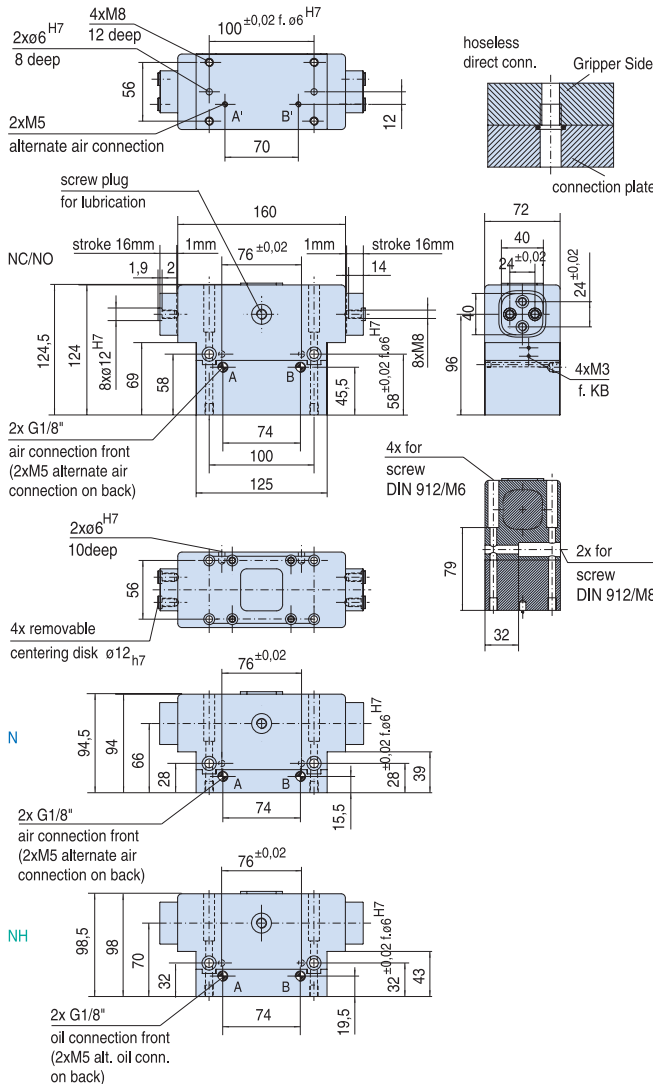
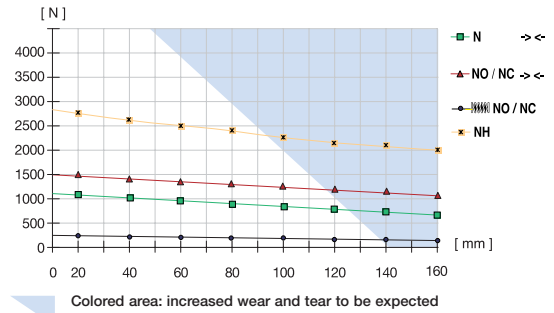


Max Allowable Forces on Jaws

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



Order no.:				
GP1816 N	GP1816 NC	GP1816 NO	GP1816 NH	
Drive:				
pneum.	pneum.	pneum.	hydr.	
Stroke per jaw [mm]:				
16	16	16	16	
Gripping force in closing and opening [N]:				
1150	-	-	2750	
Gripping force in closing [N]:				
-	1550	-	-	
Gripping force in opening [N]:				
-	-	1550	-	
Self-locking via:				
DSV1/8	Spring	Spring	-	
Closing time/opening time [s]:				
0,1	0,15	0,15	0,3	
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]:				
150	267	267	-	
Oil volume per cycle [cm³]:				
-	-	-	100	
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]:				
63	63	63	45	
Weight [kg]:				
3,1	3,7	3,7	3,1	

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

See Page 35 for Accessory list.