

**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

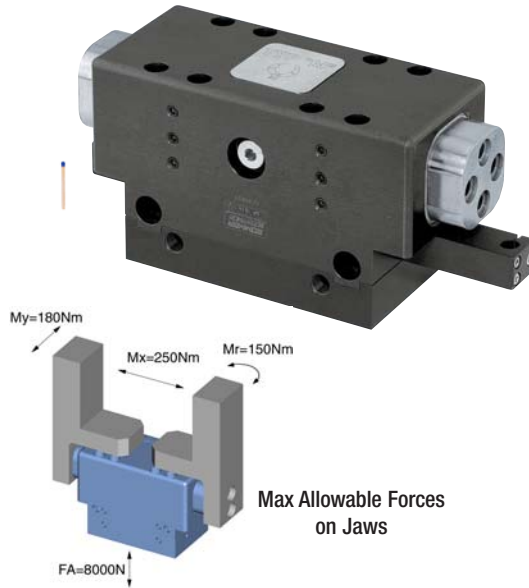
Rotary cylinders

Air vane motors

Vacuum components

Accessories

Quick finder

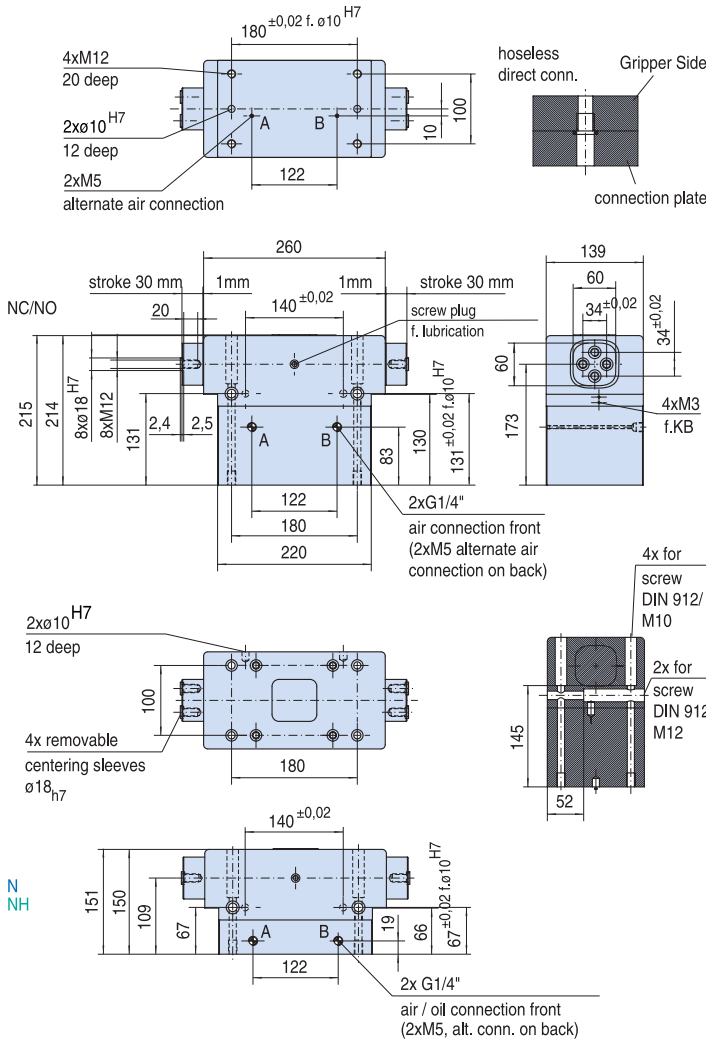
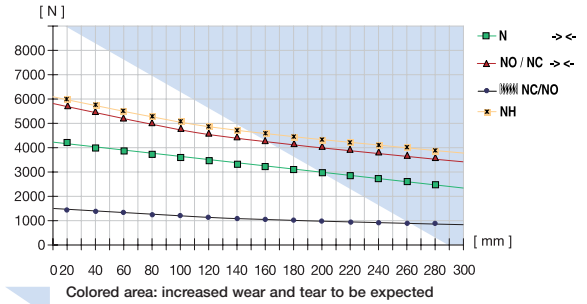


Max Allowable Forces on Jaws

**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.:			
GP1830 N	GP1830 NC	GP1830 NO	GP1830 NH
<b>Drive:</b>			
pneum.	pneum.	pneum.	hydr.
<b>Stroke per jaw [mm]:</b>			
30	30	30	30
<b>Gripping force in closing and opening [N]:</b>			
4100	-	-	6200
<b>Gripping force in closing [N]:</b>			
-	5750	-	-
<b>Gripping force in opening [N]:</b>			
-	-	5750	-
<b>Self-locking via:</b>			
DSV1/8	Spring	Spring	-
<b>Closing time/opening time [s]:</b>			
0,3	0,4	0,4	0,6
<b>Repeatability ± [mm]:</b>			
0,05	0,05	0,05	0,05
<b>Min./max. operating pressure [bar]:</b>			
4 / 8	5 / 8	5 / 8	10 / 30
<b>Air volume per cycle [cm<sup>3</sup>]:</b>			
730	1020	1020	-
<b>Oil volume per cycle [cm<sup>3</sup>]:</b>			
-	-	-	230
<b>Min./max. operating temperature [°C]:</b>			
5 / 80	5 / 80	5 / 80	5 / 80
<b>Temp. resistant version up to 150° C [add to part number]:</b>			
T3	T3	T3	T3
<b>Piston diameter [mm]:</b>			
115	115	115	64
<b>Weight [kg]:</b>			
16	22	22	17

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

See Page 35 for Accessory list.