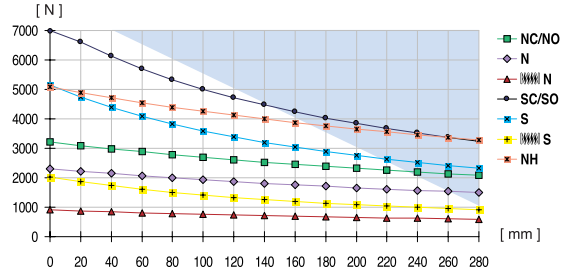
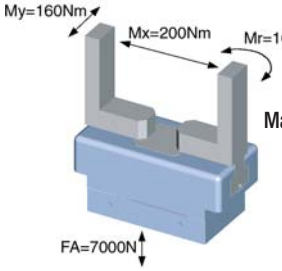
Parallel gripper
with T-slot guide

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

Gripping force as a function of jaw length



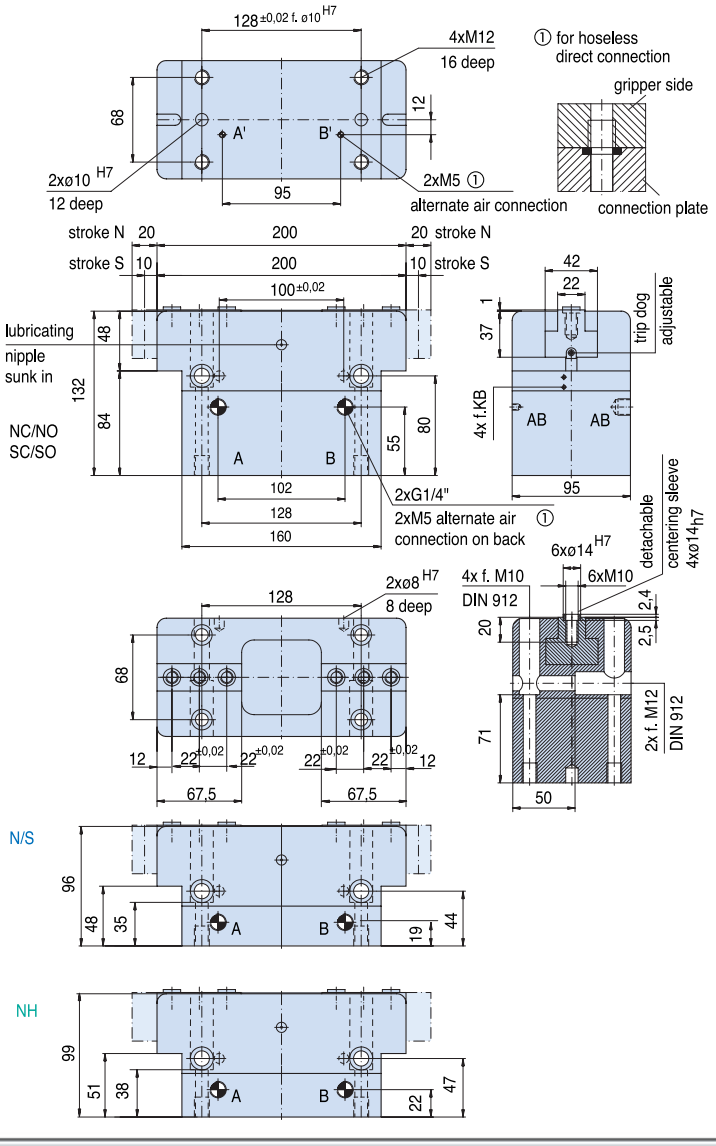
Colored area: increased wear and tear to be expected



Max Allowable Forces on Jaws

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.

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