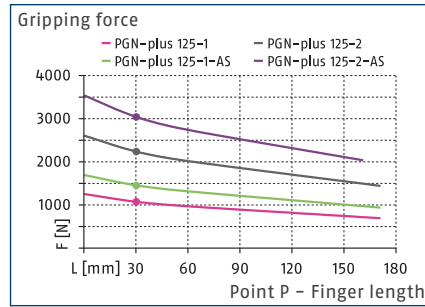


PGN-plus 125

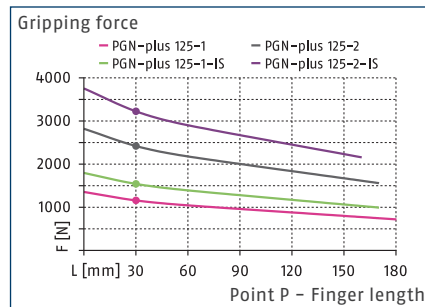
Universal gripper



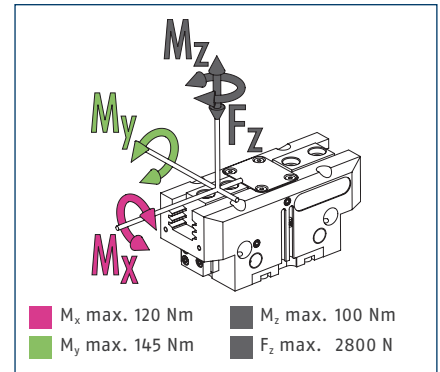
Gripping force, O.D. gripping



Gripping force, I.D. gripping



Finger load



① The specified torques and forces are static values, apply for each base jaw, and may occur simultaneously. M_y may arise in addition to the moment generated by the gripping force itself.

Technical data

Description		PGN-plus 125-1	PGN-plus 125-2	PGN-plus 125-1-AS	PGN-plus 125-2-AS	PGN-plus 125-1-IS	PGN-plus 125-2-IS
ID		0371103	0371153	0371403	0371453	0371463	0371473
Stroke per jaw	[mm]	13	6	13	6	13	6
Closing / opening force	[N]	1080/1170	2240/2420	1470/-	3040/-	-/1560	-/3220
Min. spring force	[N]			390	800	390	800
Weight	[kg]	1.35	1.35	1.85	1.85	1.85	1.85
Recommended workpiece weight	[kg]	5.4	11.2	5.4	11.2	5.4	11.2
Fluid consumption double stroke	[cm ³]	87	87	119	119	166	166
Min./max. operating pressure	[bar]	2.5/8	2.5/8	4/6.5	4/6.5	4/6.5	4/6.5
Nominal operating pressure	[bar]	6	6	6	6	6	6
Min./max. air purge pressure	[bar]	0.5/1	0.5/1	0.5/1	0.5/1	0.5/1	0.5/1
Closing/opening time	[s]	0.1/0.1	0.1/0.1	0.08/0.12	0.08/0.12	0.12/0.08	0.12/0.08
Closing- / opening time with spring	[s]			0.30	0.30	0.30	0.30
Max. permissible finger length	[mm]	180	170	170	160	170	160
Max. permissible mass per finger	[kg]	2.1	2.1	2.1	2.1	2.1	2.1
Protection class IP		40	40	40	40	40	40
Min./max. ambient temperature	[°C]	5/90	5/90	5/90	5/90	5/90	5/90
Repeat accuracy	[mm]	0.01	0.01	0.01	0.01	0.01	0.01
Cleanroom class ISO 14644-1		5	5	5	5	5	5
Options and their characteristics							
Dust-tight version		37371103	37371153	37371403	37371453	37371463	37371473
Protection class IP		64	64	64	64	64	64
Weight	[kg]	1.55	1.55	2.05	2.05	2.05	2.05
Anti-corrosion version		38371103	38371153	38371403	38371453	38371463	38371473
High-temperature version		39371103	39371153	39371403	39371453	39371463	39371473
Min./max. ambient temperature	[°C]	5/130	5/130	5/130	5/130	5/130	5/130
Force intensified version		0372103	0372153	0372403		0372463	
Closing / opening force	[N]	1945/2105	4030/4355	2335/-		-/2495	
Weight	[kg]	1.85	1.85	2.3		2.3	
Maximum pressure	[bar]	6	6	6		6	
Max. permissible finger length	[mm]	160	125	125		125	
Precision version		0371125	0371175	0371425	0371440		

① It may take a few 100 gripping cycles until the full gripping force (as indicated in the data table) will be available.