

▶ Parallel style pneumatic grippers - Standard version



Ordering code

6310.Ø

- 10
 - 16
 - 20
 - 25
- D** = Double acting
NC = Single acting (normally closed)
NO = Single acting (normally open)

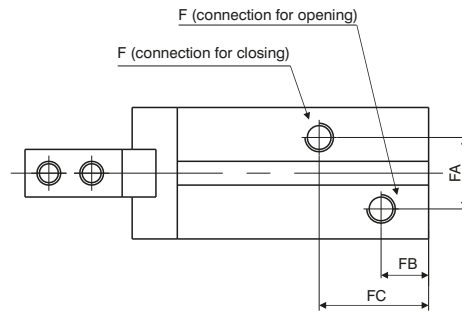
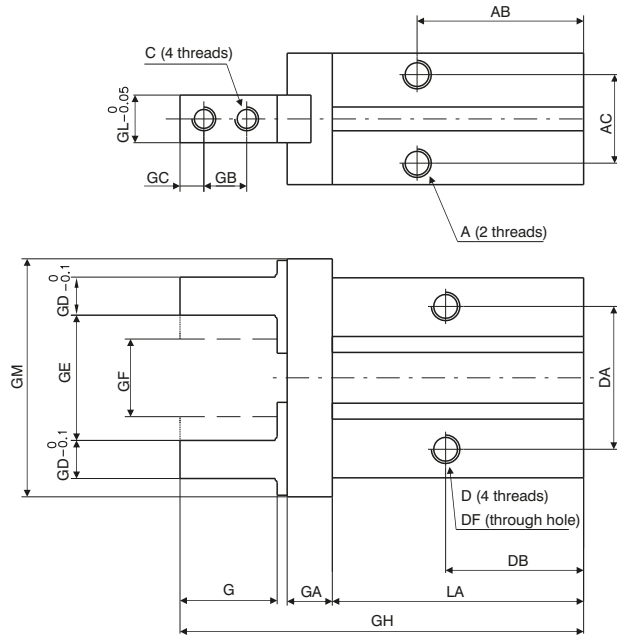
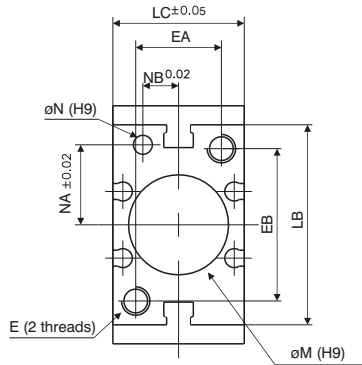
Construction characteristics

Body	anodised aluminium
Piston	aluminium or stainless steel (depending on the bore)
Fingers	steel
End cap	anodised aluminium
Seals	oil resistant NBR rubber

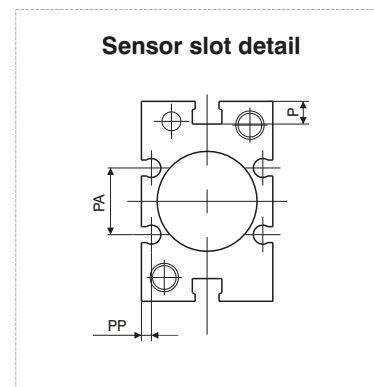
Operational characteristics

Fluid	Filtered air. No lubrication needed, if applied it shall be continuous.
Working pressure	double acting : 2 - 7 bar (for $\varnothing 10$) - 1 - 7 (for other bores) single acting : 3.5 - 7 bar (for $\varnothing 10$) - 2.5 - 7 (for other bores)
Operating temperature	-5°C - +70°C
Maximum operating frequency	from $\varnothing 10$ to $\varnothing 25$, 180 cycles/minute

Overall dimensions

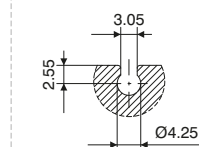


Bore		Ø10	Ø16	Ø20	Ø25
A		M3x0,5	M4x0,7	M5x0,8	M6x1
	Useful depth	6	4,5	8	10
AB		27	30	35	36,5
AC		11,4	16	18,6	22
C		M2,5x0,45	M3x0,5	M4x0,7	M5x0,8
D		M3x0,5	M4x0,7	M5x0,8	M6x1
	Useful depth	5,5	8	10	12
DA		16	24	30	36
DB		23	24,5	29	30
ØDF		2,6	3,4	4,3	5,1
E		M3x0,5	M4x0,7	M5x0,8	M6x1
	Useful depth	6	8	10	12
EA		12	15	18	22
EB		18	22	32	40
F		M3x0,5	M5x0,8	M5x0,8	M5x0,8
FA		11	13	15	20
FB		9	7,5	10	10,7
FC		19	19	23	23,5
G		12	15,5	20	25
GA		6	7,5	9,5	11
GB		5,7	7	9	12
GC		3	4	5	6
GD		4	5	8	10
GE		15,2	20,9	26,3	33,3
GF		11,2	14,9	16,3	19,3
GH		57	67,5	84,8	102,7
GL		5	8	10	12
GM		29	38	50	63
LA		37,8	42,5	52,8	63,6
LB		23	30,6	42	52
LC		16,4	23,6	27,6	33,6
ØM ^{H9}		11	17	21	26
	Useful depth	2	2	3	3,5
ØN ^{H9}		2	3	4	4
	Useful depth	3	3	4	4
NA		7,6	11	16,8	21,8
NB		5,2	6,5	7,5	10
P		5,4	5,8	9	11,5
PA		/	11,6	14	19
PP		/	2,1	2,1	3,5
Weight (g)		55	120	230	425



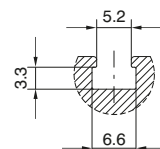
Ø16 - Ø25

Sensor slot detail type "C"



Ø10 - Ø25

Sensor slot detail type "B"



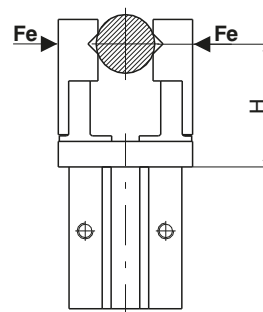
PNEUMATIC ACTUATION

Operating criteria

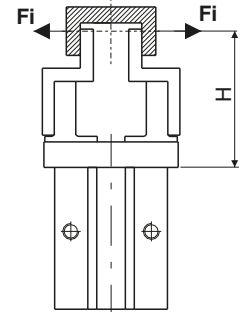
Holding force (N) (pressure 5 bar, holding point H=20 half stroke)

Version	Force	Bore			
		Ø10	Ø16	Ø20	Ø25
Double acting	Fe	9,8	30	42	65
	Fi	17	40	66	104
Single acting	N.O. Fe	6,3	24	28	45
	N.C. Fi	12	31	56	83

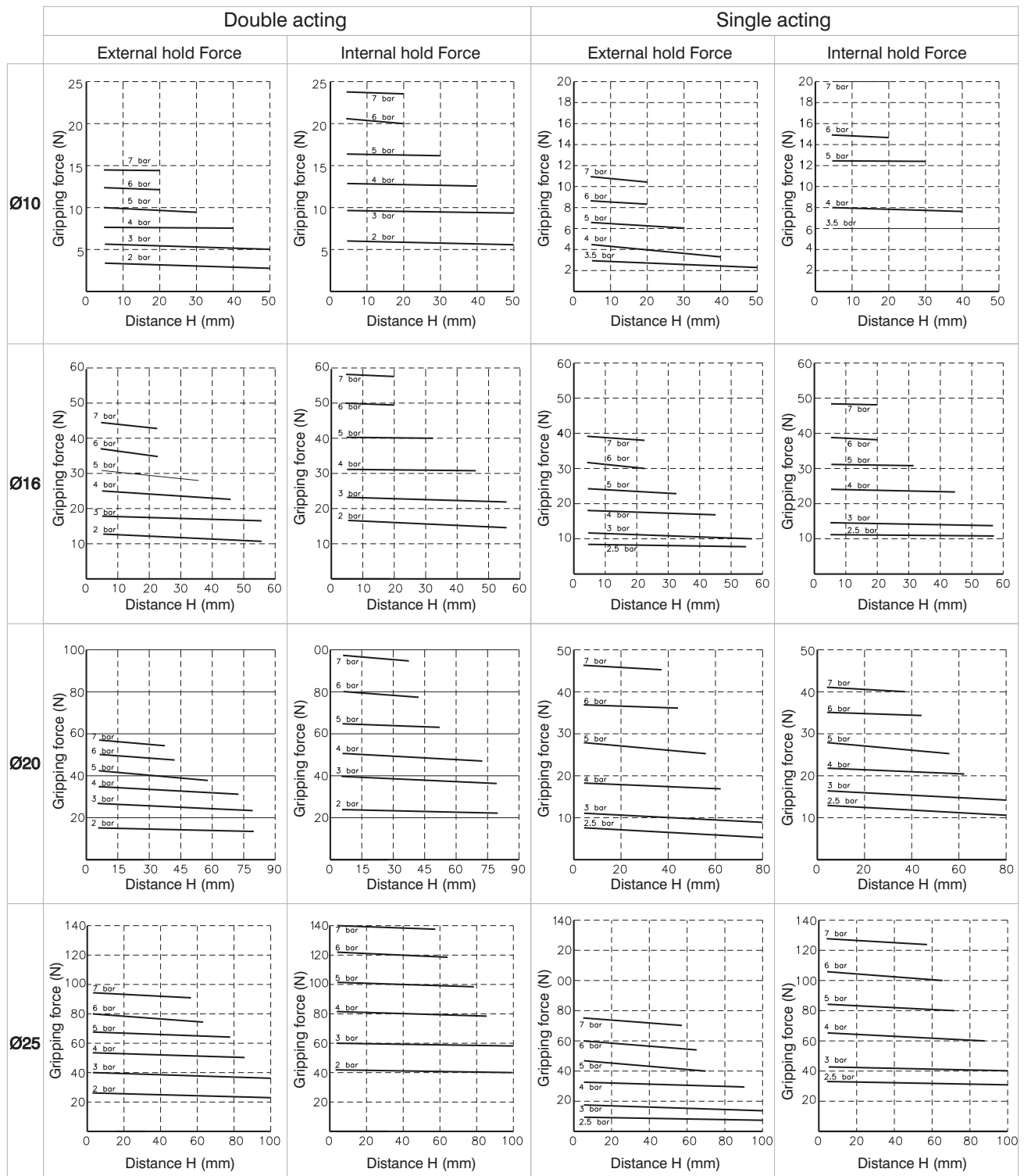
Fe = external holding force Fi = internal holding force



EXTERNAL HOLD



INTERNAL HOLD



3 PNEUMATIC ACTUATION