

5

Pos.	Item	Qty.	Pos.	Item	Qty.
1	Plate mounting screw	3	10	Piston seal	2
2	Plate	1	11	Half piston	2
3	Rod	2	12	Magnet	1
4	Circlip	2	13	Piston rod nut	1
5	Piston rod seal	1	14	Rod - guide - bushing	4*
6	Seal	2	15	Body	1
7	Bush	1	16	End plate	1
8	Piston rod	1	17	Plug	2
9	Cushioning washer	2	* N. 2 pieces for strokes under 50 mm		



Ordering code

6101.80.stroke. B .

Side supply ports closed
L = Top supply pots closed

Construction characteristics

Body	oxidate aluminium alloy
Rods	C43 chromed steel
Piston	aluminium
Piston rod	C43 chromed steel
Piston rod bushing	sinterize bronze
Rods busching	teflon coated bush
End cover / End plate	aluminium
Piston seal	NBR oil-resistant rubber
Piston rod seal	self-lubricating polyurethane
Plate	nickel plated steel

Technical characteristics

Function	double acting
Fluid	filtered and lubricated or non lubricated air
Max. pressure	max. 10 bar
Working temperature	-5°C ÷ +70°C
Cushioning	elastic bumper on both ends

Standard strokes

Bore	Stroke							
	25	50	75	100	125	150	175	200
Ø80	●	●	●	●	●	●	●	●

Intermediate strokes can be obtained by adding specific spacers (5 , 10 , 15 , 20mm)
Example: it is possible to obtain a **6101.80.45B** starting from a **6101.80.50B** simply by adding a 5mm spacer.(the overall dimension will remain as per the 50mm stroke) Intermediate strokes manufactured Without the use of a spacer are considered special products.

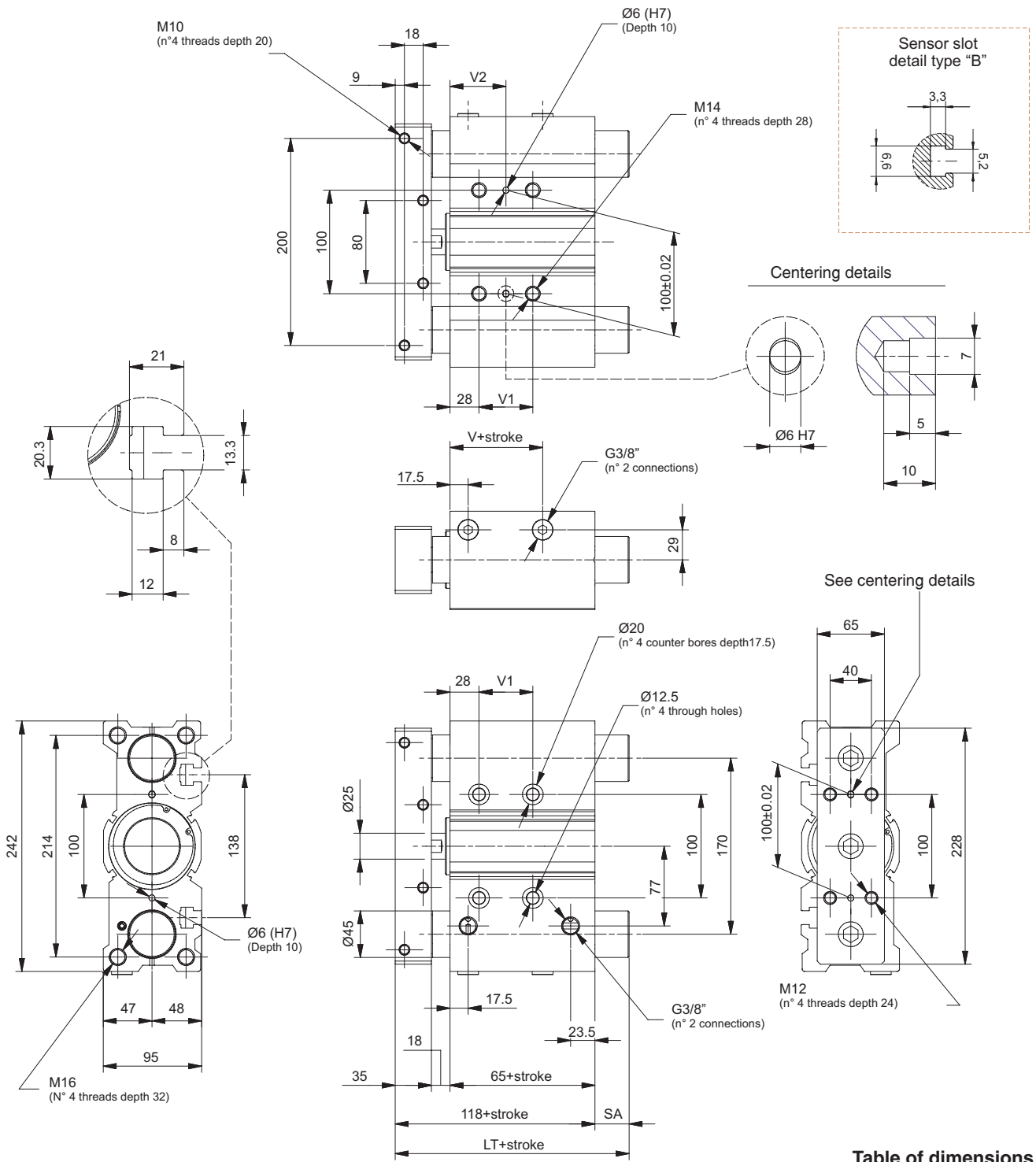


Table of dimensions

stroke	25	LT	118
	50		118
	> 50		151
		V	14,5
			28
stroke	25	V1	
	50		
	75		52
	100		
	> 100		128
stroke	25	V2	42
	50		
	75		54
	100		
	> 100		92
stroke	25	SA	0
	50		0
	> 50		33

Cylinder theoretic force (N)

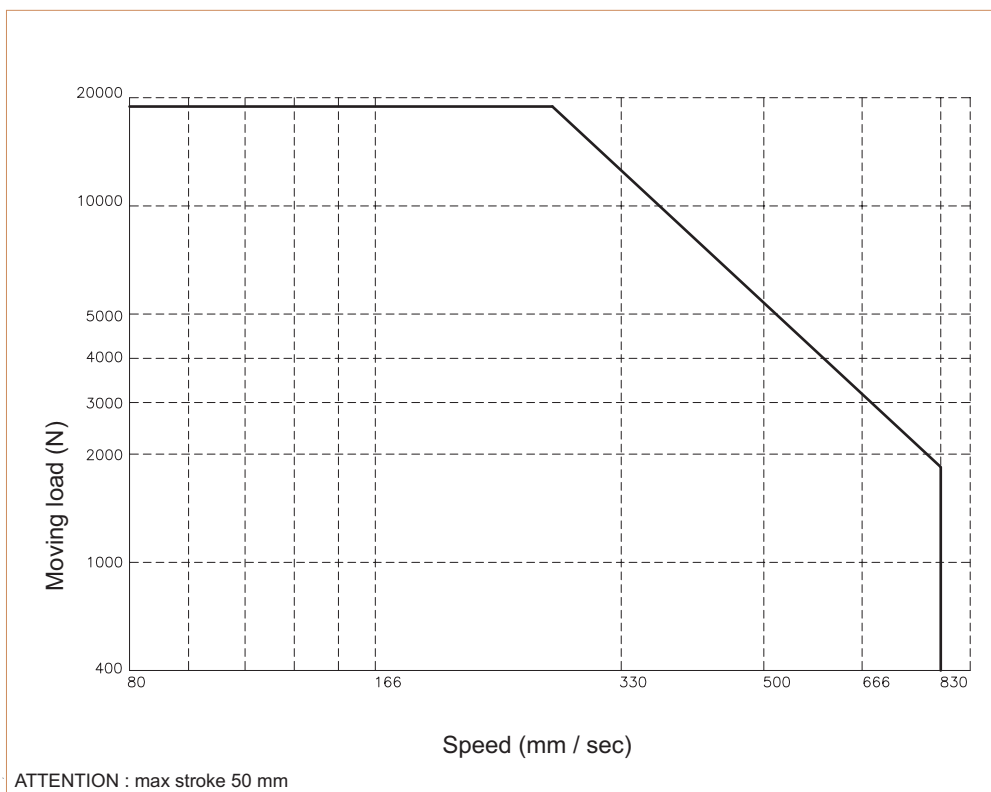
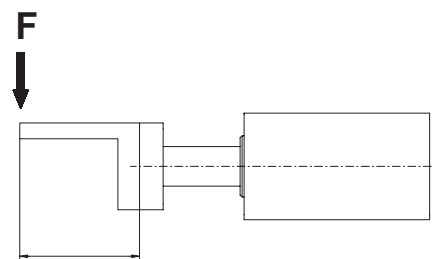
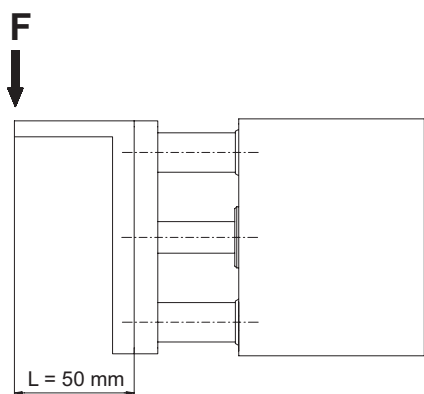
Working pressure		
2 bar	1005	907
3 bar	1508	1361
4 bar	2011	1814
5 bar	2513	2268
6 bar	3016	2721
7 bar	3519	3175
8 bar	4021	3629
9 bar	4524	4082
10 bar	5027	4536
Effective area (mm ²)	out	in
	5027	4536

Recommended torque moments

Stroke	N/m
25	49
50	41
75	51
100	45
125	41
150	38
175	35
200	32

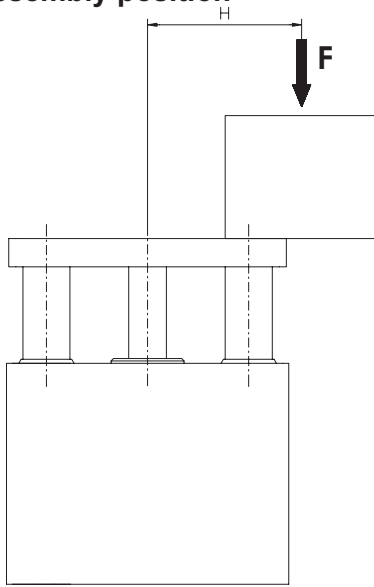


“Stopper” device applications

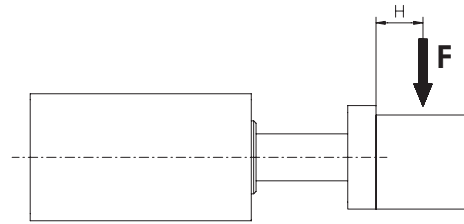


Handling applications

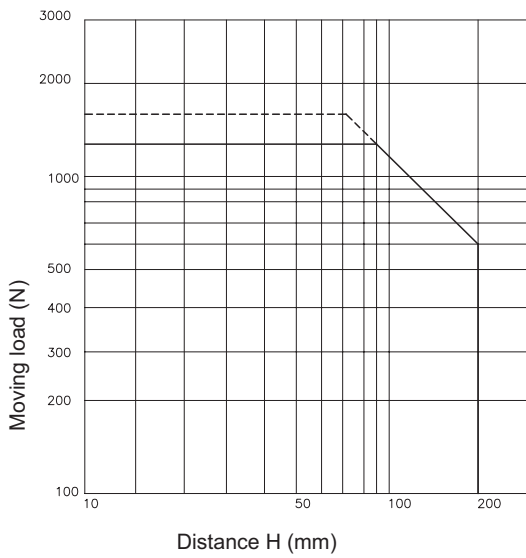
VERTICAL assembly position



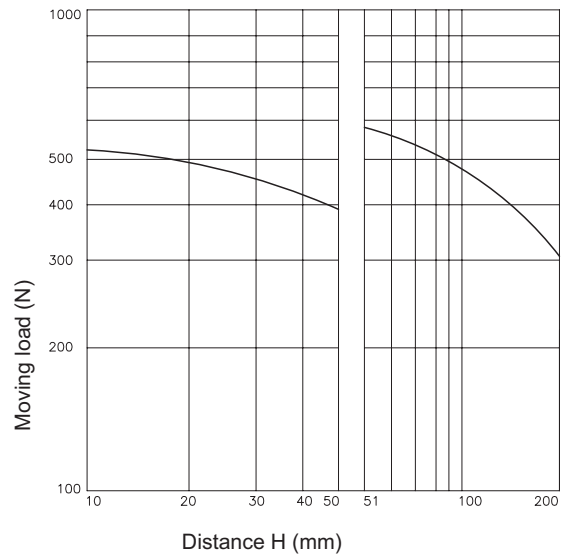
HORIZONTAL assembly position



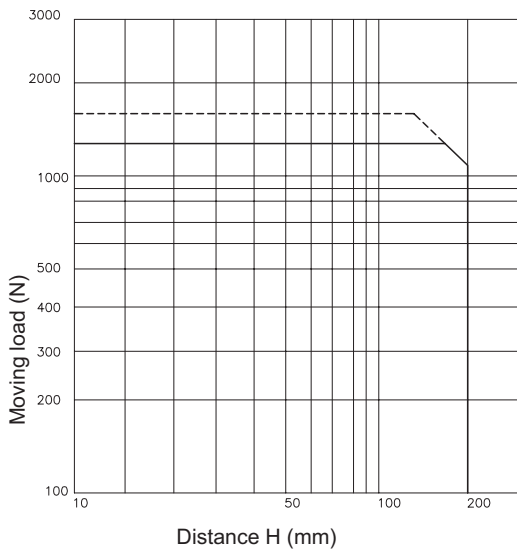
STROKE ≤ 50 mm / V = 200 mm/s



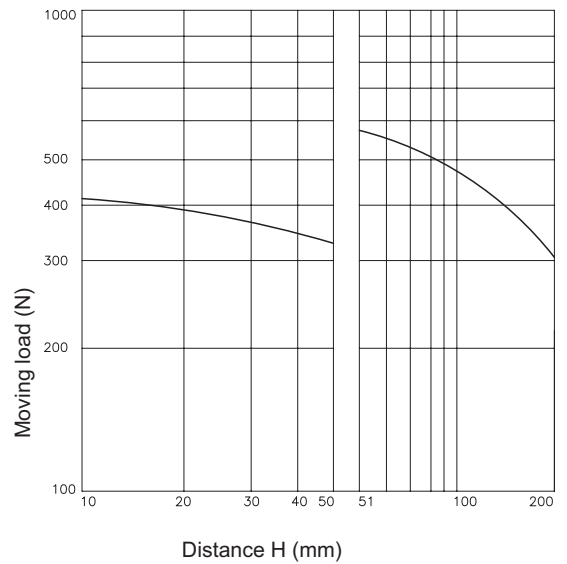
H = 50 mm / V = 200 mm/s



STROKE > 50 mm / V = 200 mm/s



H = 100 mm / V = 200 mm/s



———— Working pressure : 4 bar
 - - - - - Working pressure : 5 bar