

5

Pos.	Item	Qty.
1	Circlip	2
2	Bushing guide	1
3	Piston and piston rod assembly	1
4	Body	1
5	End plate	1
6	Guide screw	7
7	Guide	1
8	Piston rod nut	2
9	Plate	1



**Ordering code**

6700.Ø.stroke  
 |  
 | 10  
 | 16  
 | 20

**Construction characteristics**

Body	Oxide aluminium alloy
Piston rod	stainless steel
Piston	aluminium
Piston rod bushing	aluminium
End plate	aluminium
Seal	oil resistant NBR rubber
Tavola	aluminium

**Technical characteristics**

Fluid	filtered and non lubricated air
Working pressure	1,2 ÷ 7 bar
Working temperature	-5°C + +60°C
Cushioning	with elastic bumper

**Theoretical force**

Bore	Effective Area (mm <sup>2</sup> )	Force (N)							
		2	3	4	5	6	7		
Ø10	Uscita	28,3	5,7	8,5	11,3	14,2	17	19,8	
	Rientro	21,2	4,2	6,4	8,5	10,6	12,7	14,8	
Ø16	Uscita	78,5	15,7	23,6	31,4	39,3	47,1	55	
	Rientro	66	13,2	19,8	26,4	33	39,6	46,2	
Ø20	Uscita	314	62,8	94,2	125,6	157	188,4	219,8	
	Rientro	264	52,8	79,2	105,6	132	158,4	184,8	
			2	3	4	5	6	7	
			Working pressure(bar)						

**Standard stroke**

Bore	Stroke						
	5	10	20	30	40	50	60
Ø10	●	●	●	●	●	●	●
Ø16	●	●	●	●	●	●	●
Ø20	●	●	●	●	●	●	●

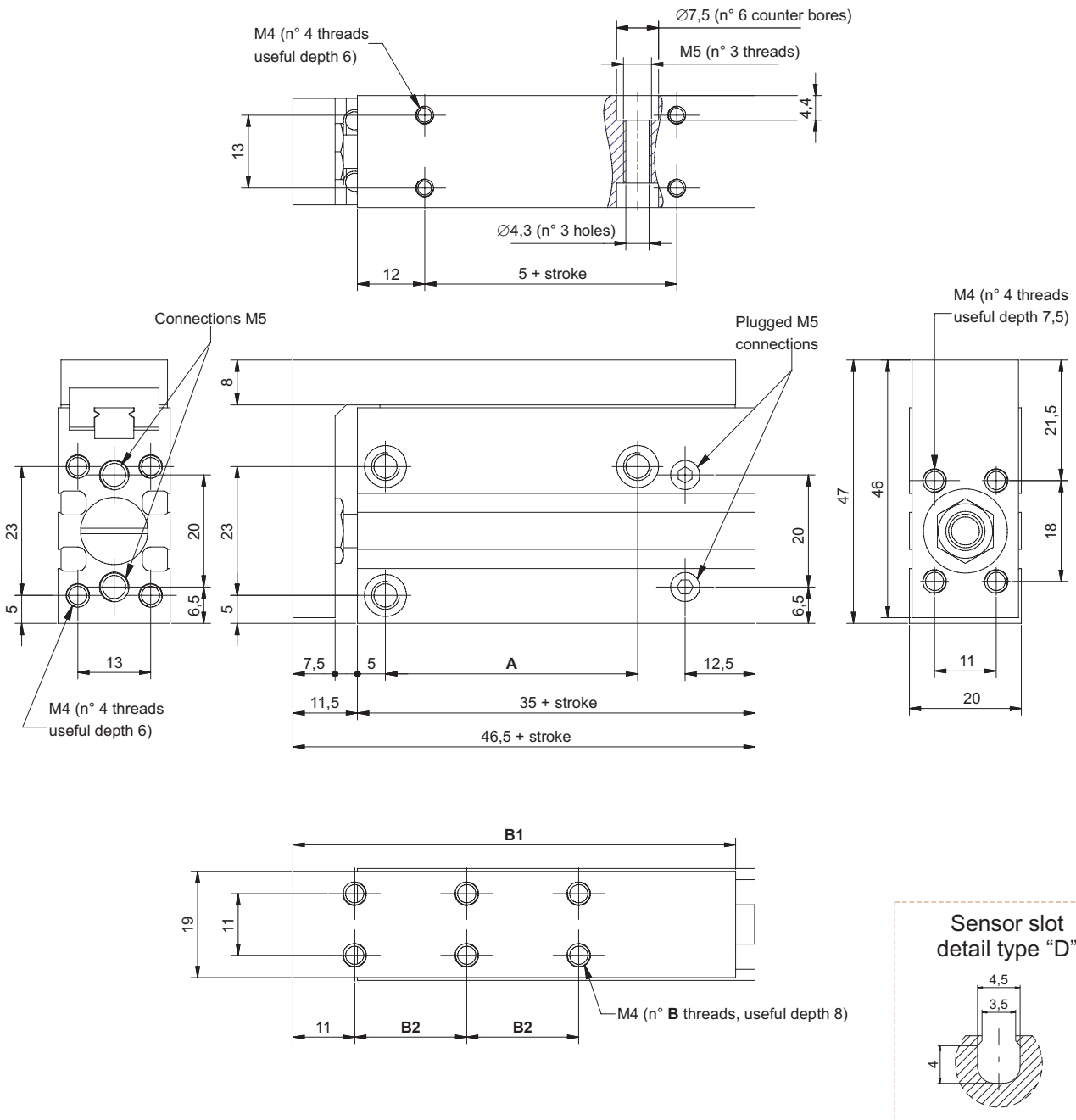


Table of dimensions

	Standard strokes								
	5	10	15	20	25	30	40	50	60
A	14	24	30	45	45	60			
B1	49	59	69	79	79	99			
B2	10	20	30	20	20	30			
B			4				6		
Weight(gr.)	117	125	140	148	162	170	192	215	238

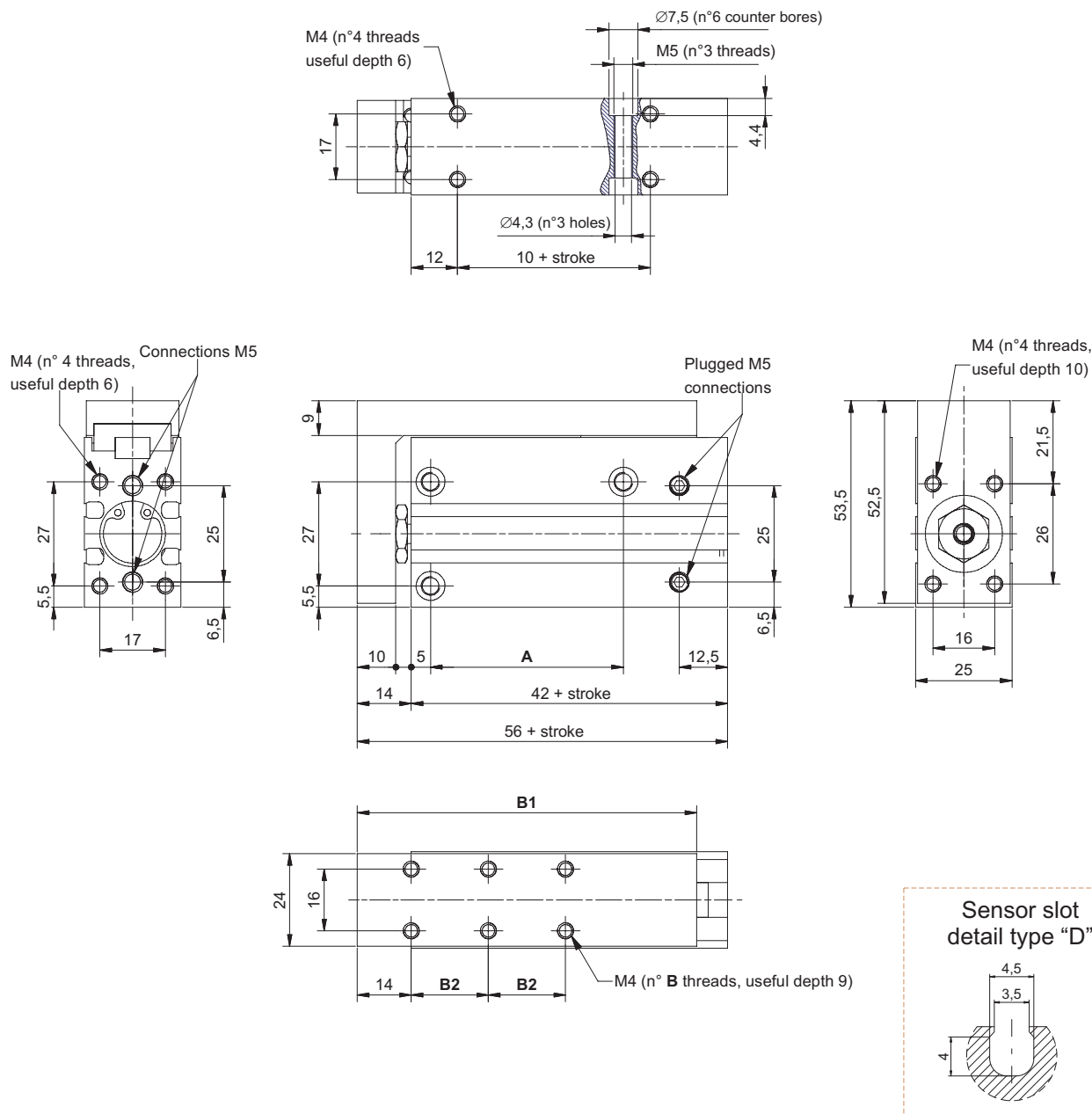


Table of dimensions

	Standard strokes								
	5	10	15	20	25	30	40	50	60
A	20	30	40	50	60				
B1	58	68	78	88	98	108			
B2	10	20	30	20	25	30			
B	4			6					
Weight(gr.)	215	230	250	260	280	290	325	350	390

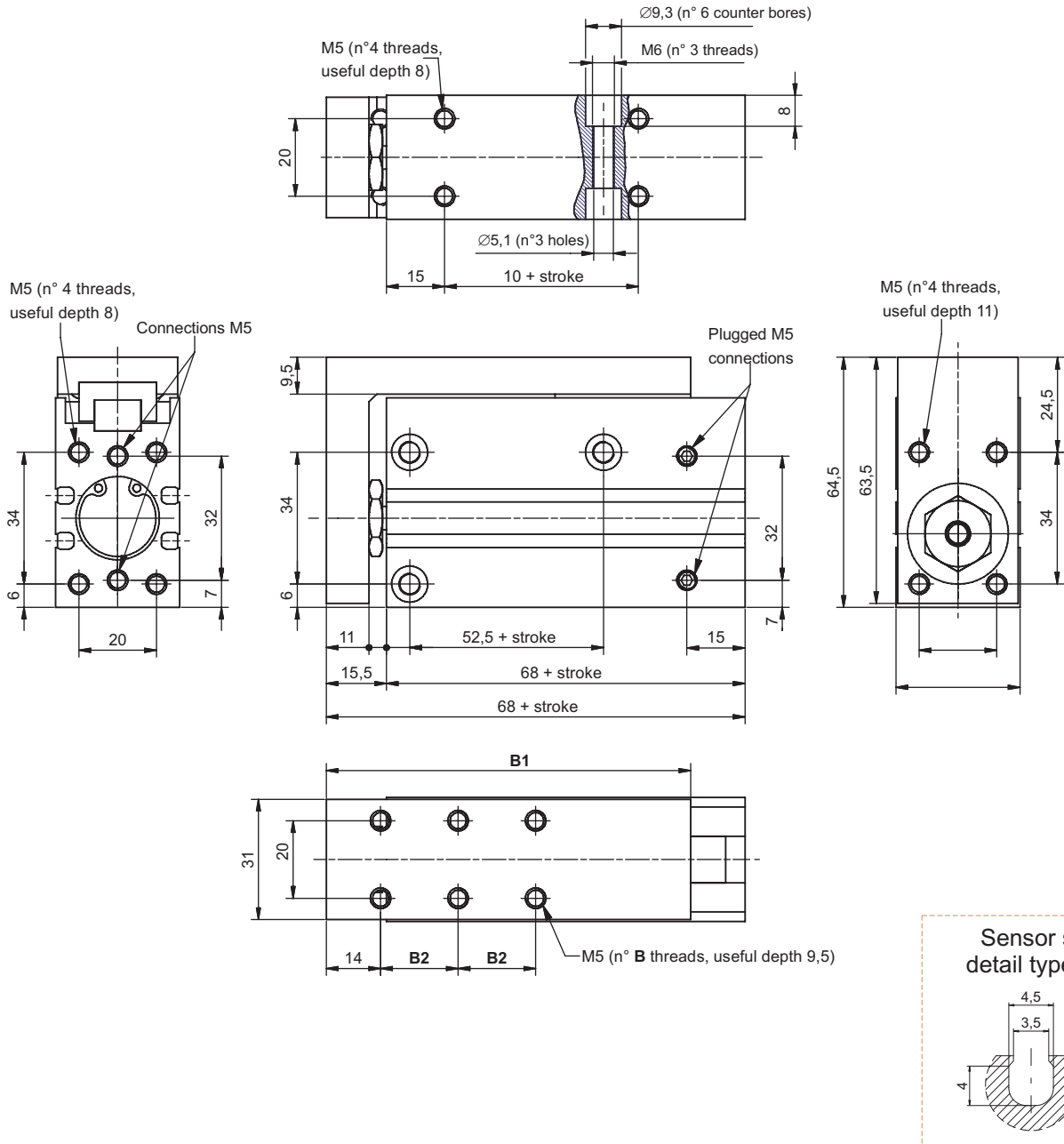
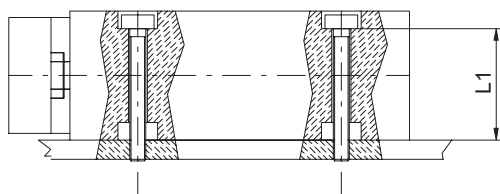


Table of dimensions

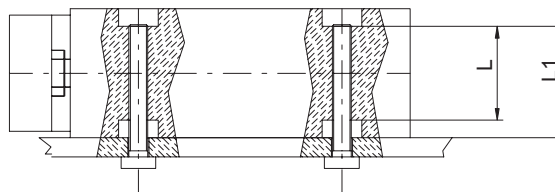
	Standard strokes									
	5	10	15	20	25	30	40	50	60	
A	20		25		40		50		70	
B1	64		74		84		94		104	114
B2	10		20		30		20	25	30	
B			4					6		
<b>Weight(gr.)</b>	440	455	490	505	540	560	600	660	700	

LATERAL (THROUGH SCREW)



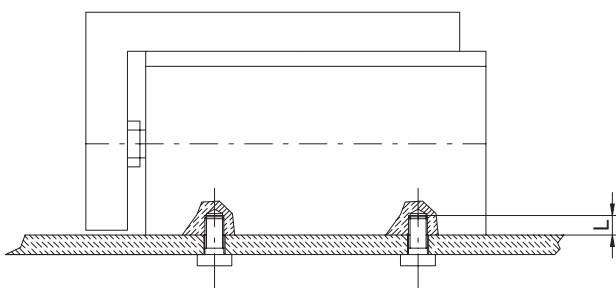
	SCREW	Maximum torque (Nm)	L1
Ø10	M4	2,5	15,6
Ø16	M4	2,5	20,6
Ø20	M5	5,1	24

LATERAL (THREADED HOLE)



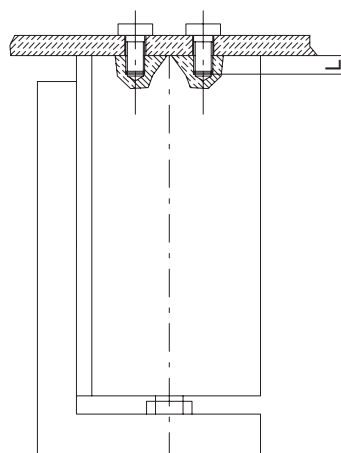
	SCREW	Maximum torque (Nm)	L1	L
Ø10	M5	5,1	15,6	11,2
Ø16	M5	5,1	20,6	16,2
Ø20	M6	8,1	24	16

VERTICAL (THREADED HOLE)



	SCREW	Maximum torque (Nm)	L
Ø10	M4	2,5	6
Ø16	M4	2,5	6
Ø20	M5	5,1	8

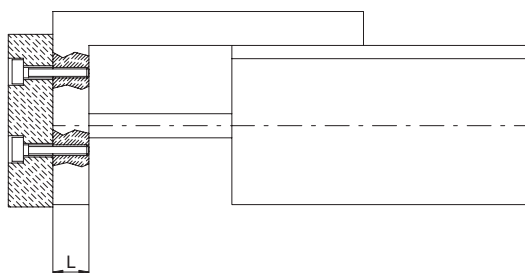
AXIAL (THREADED HOLE)



	SCREW	Maximum torque (Nm)	L
Ø10	M4	2,5	6
Ø16	M4	2,5	6
Ø20	M5	5,1	8

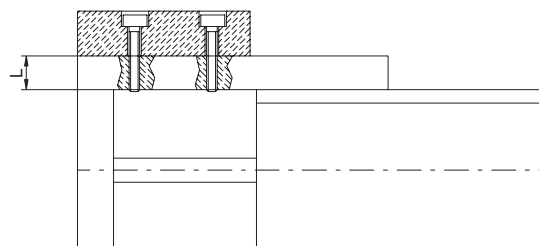
LOAD

FRONTAL MOUNTING

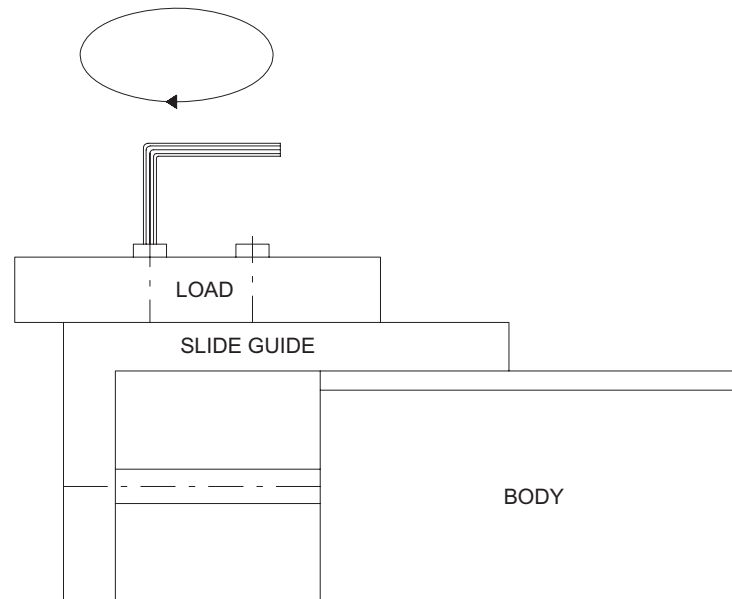


	SCREW	Maximum torque (Nm)	L
Ø10	M4	2,5	7,5
Ø16	M4	2,5	10
Ø20	M5	5,1	11

BACK MOUNTING

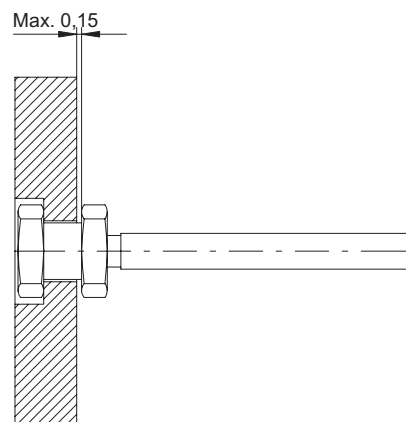


	SCREW	Maximum torque (Nm)	L
Ø10	M4	2,5	8
Ø16	M4	2,5	9
Ø20	M5	5,1	9,5



ATTENTION : Slide must be blocked before fixing the load  
this operation should not be done by blocking the body as the  
guide could get damaged.

#### CONNECTION BETWEEN PLATE AND ROD



The fluctuating connection, maximum clearance 0,15mm as indicated by the arrow

Plate deviation (arrow) when the load is applied on the spot indicated with the arrow and the unit completely extended

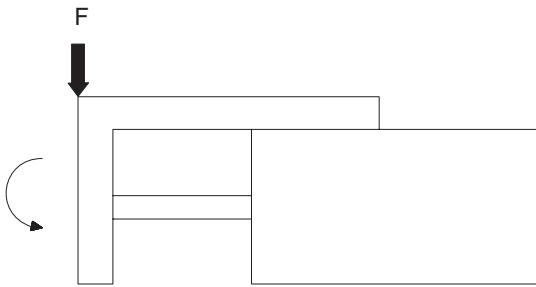
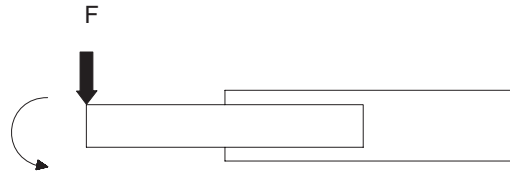
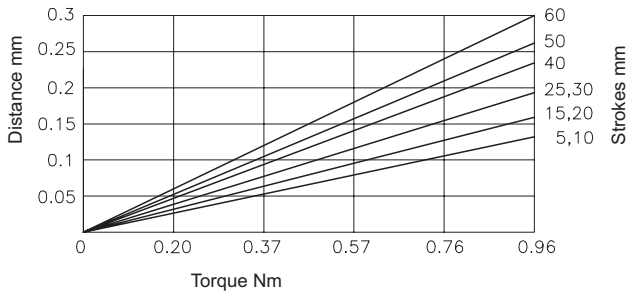


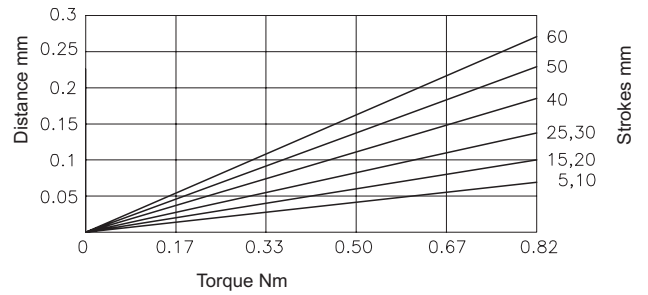
Plate deviation (arrow) when the load is applied on the spot indicated with the arrow and the unit completely extended



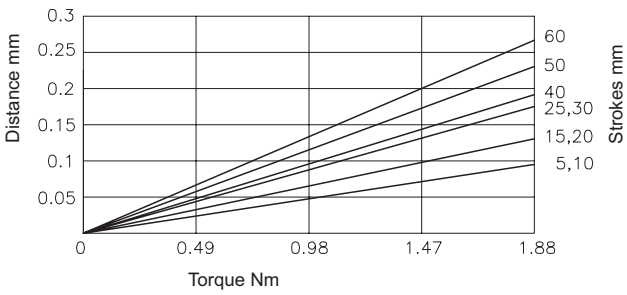
Ø10



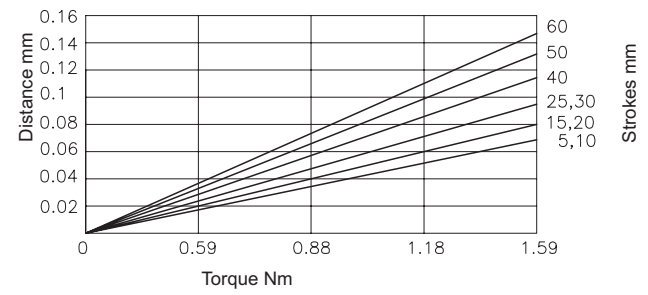
Ø10



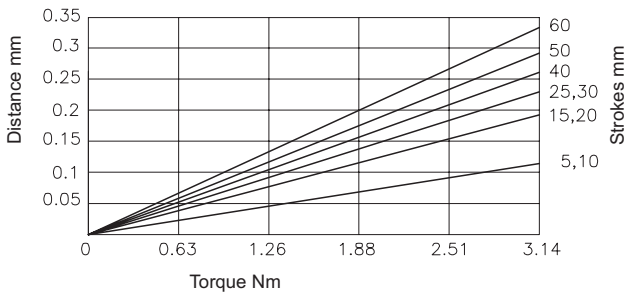
Ø16



Ø16



Ø20



Ø20

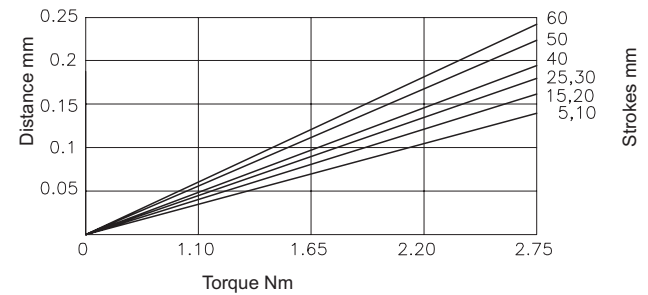
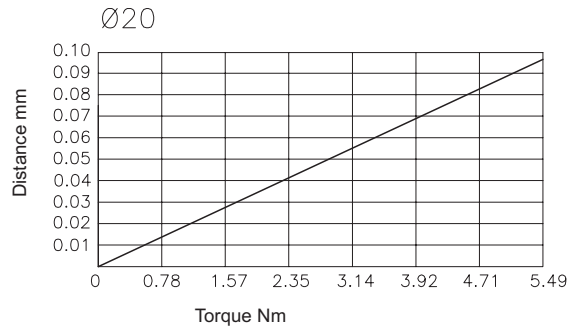
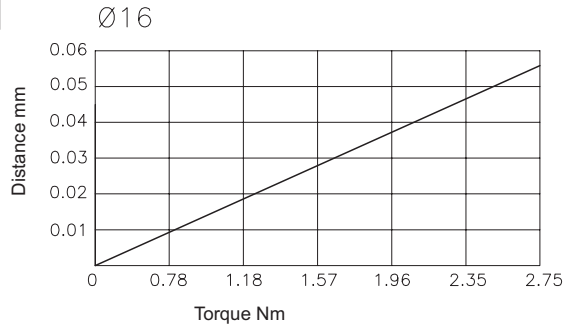
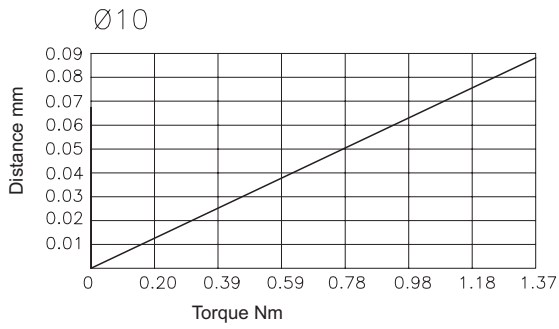
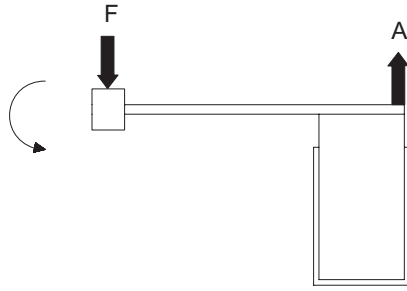




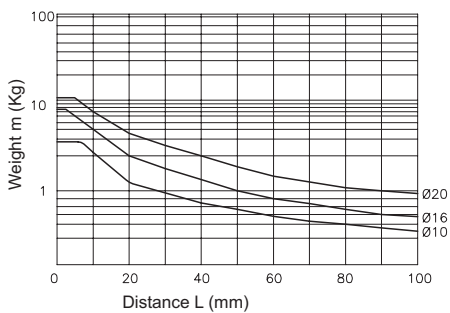
Plate deviation (compared to A) when the load is applied on the spot indicated with the arrow and the unit completely extended



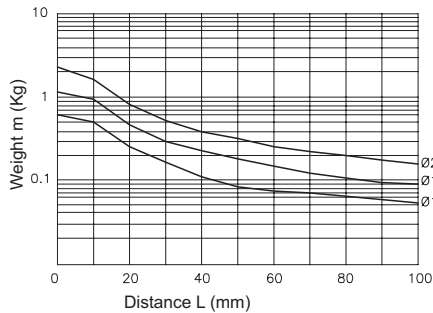
MOUNTING POSITION	VERTICAL			HORIZONTAL								
	E	L		100			200			300		
				50	100	200	50	100	200	50	100	200
	1	2	3	4	5	6	7	8	9	10	11	12

Selection graphs 1 - 3 (vertical mounting)

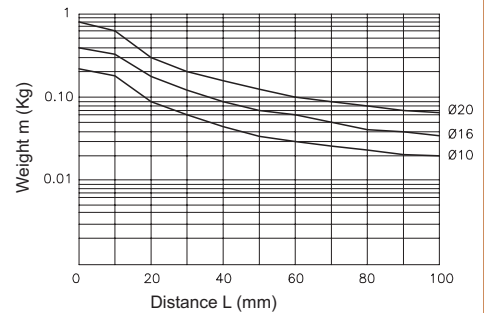
Drawing 1  
Maximum speed 100 mm/s or lower



Drawing 2  
Maximum speed 300 mm/s or lower

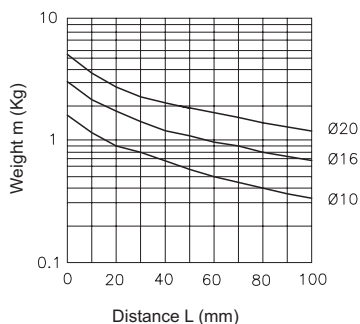


Drawing 3  
Maximum speed 500 mm/s or lower

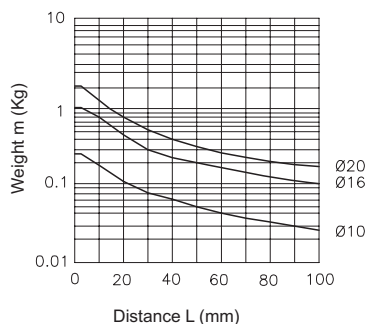


Selection graphs 4 - 12 (horizontal mounting)

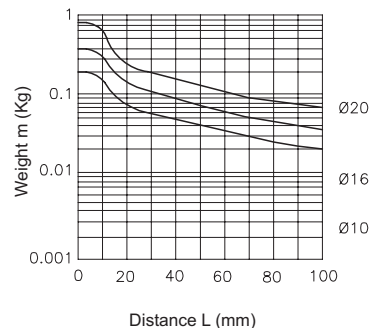
Drawing 4 load eccentricity 50mm  
Maximum speed 100 mm/s or lower



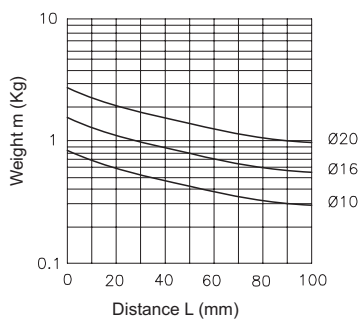
Drawing 7 load eccentricity 50mm  
Maximum speed 300 mm/s or lower



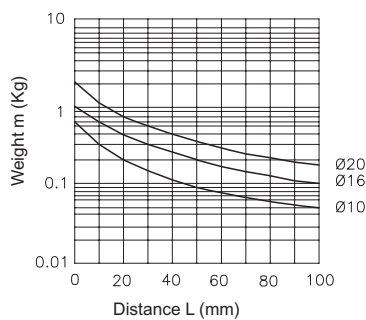
Drawing 10 load eccentricity 50mm  
Maximum speed 300 mm/s or lower



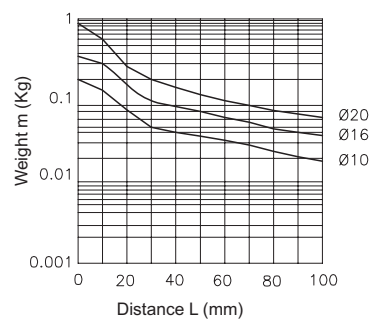
Drawing 5 load eccentricity 100mm  
Maximum speed 100 mm/s or lower



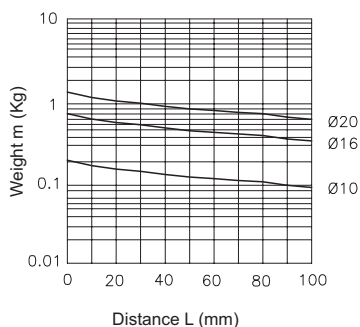
Drawing 8 load eccentricity 100mm  
Maximum speed 300 mm/s or lower



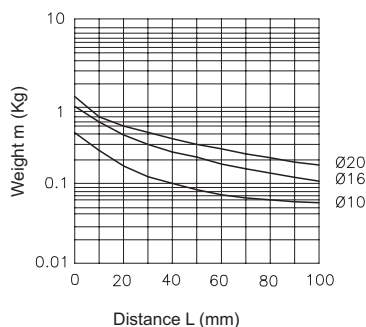
Drawing 11 load eccentricity 100mm  
Maximum speed 300 mm/s or lower



Drawing 6 load eccentricity 200mm  
Maximum speed 100 mm/s or lower



Drawing 9 load eccentricity 200mm  
Maximum speed 300 mm/s or lower



Drawing 12 load eccentricity 200mm  
Maximum speed 300 mm/s or lower

