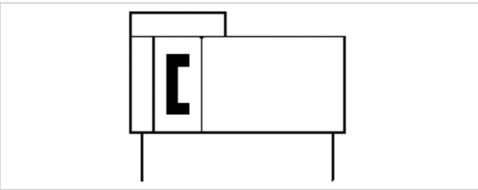


Guided slide unit, Series GSU

- Ø 16-25 mm
- Ports M5 G 1/8
- double-acting
- with magnetic piston
- mini ball rail guide ball rail guide
- Cushioning hydraulic non-adjustable
- Easy2Combine capable
- adjustable end stops



Working pressure min./max.	See table below
Ambient temperature min./max.	0 ... 60 °C
Medium	Compressed air
Max. particle size	5 µm
Oil content of compressed air	0 ... 1 mg/m³
Pressure for determining piston forces	6.3 bar
Weight	See table below

Technical data

Piston Ø	16 mm	25 mm
Stroke 200	R402000986	R402000995
300	R402000987	R402000996
400	R402000988	R402000997
500	R402000989	R402000998
600	R402000990	R402000999
700	R402000991	R402001000
800	R402000992	R402001001
900	R402000993	R402001002
1000	R402000994	R402001003

Stroke length adjustable and end stops can be mounted over the entire stroke.

Technical data

Piston Ø	16 mm	25 mm
Piston force	127 N	309 N
Cushioning length	10 mm	12,5 mm
Cushioning energy	2,3 J	3,3 J
Speed max.	1,5 m/s	1,5 m/s
+10 mm stroke	-	-
Stroke max.	1000 mm	1000 mm

Technical information

The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .

The oil content of compressed air must remain constant during the life cycle.

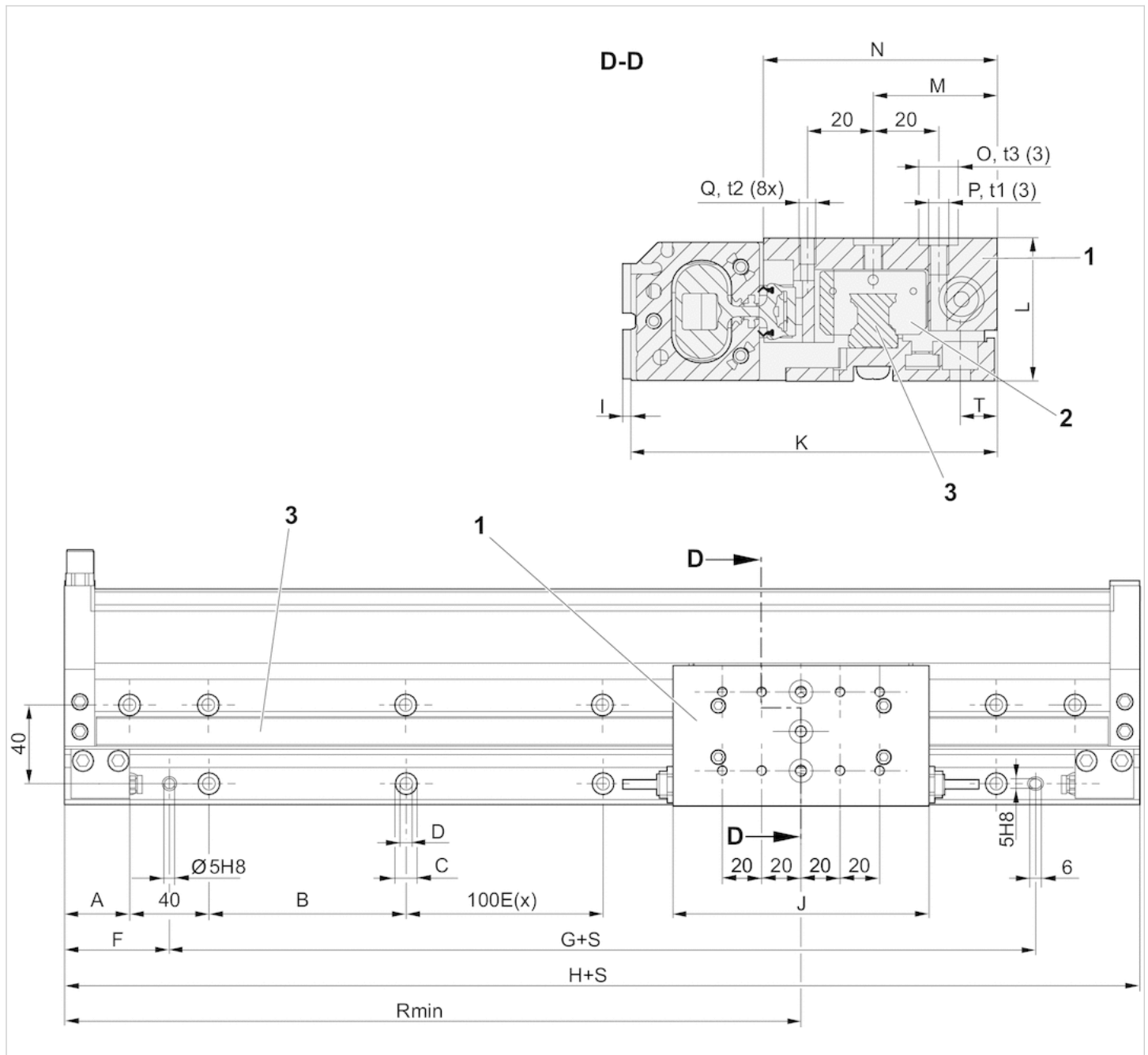
Use only the approved oils from AVENTICS. Further information can be found in the "Technical information" document (available in the MediaCentre).

Technical information

Material	
Cylinder tube	Aluminum, anodized
Cap	Aluminum, anodized
Seal	Polyurethane
Sealing strips	Polyurethane Stainless steel
Ball rail table	Aluminum, anodized
Guide shuttle	Stainless steel Steel
Guide rail	Stainless steel, hardened Steel, hardened

Dimensions

Dimensions



S = stroke

t1, t2 = depth of thread

t3 = sinkhole depth

1) Ball rail table

2) Guide shuttle

3) Guide rail

Dimensions

Piston Ø	A	B	C	D	F	G	H	I	J	K	L	M	N	O	t3	P
16 mm	25	92	Ø 9,5	Ø 5,5	45	124	214	3.6	110	99	29	33.5	69	Ø 9 H8	2,1 +0,2	M5
25 mm	33	100	Ø 11	Ø 6,6	53	140	246	2.5	130	111.65	43.5	37.85	71.15	Ø 12 H8	2,1 +0,2	M6

Piston Ø	t1	Q	t2	R 1)	T
16 mm	9	M4	8	107	7.5
25 mm	9	M5	8	123	11.35

1) Min.

Weight [kg]

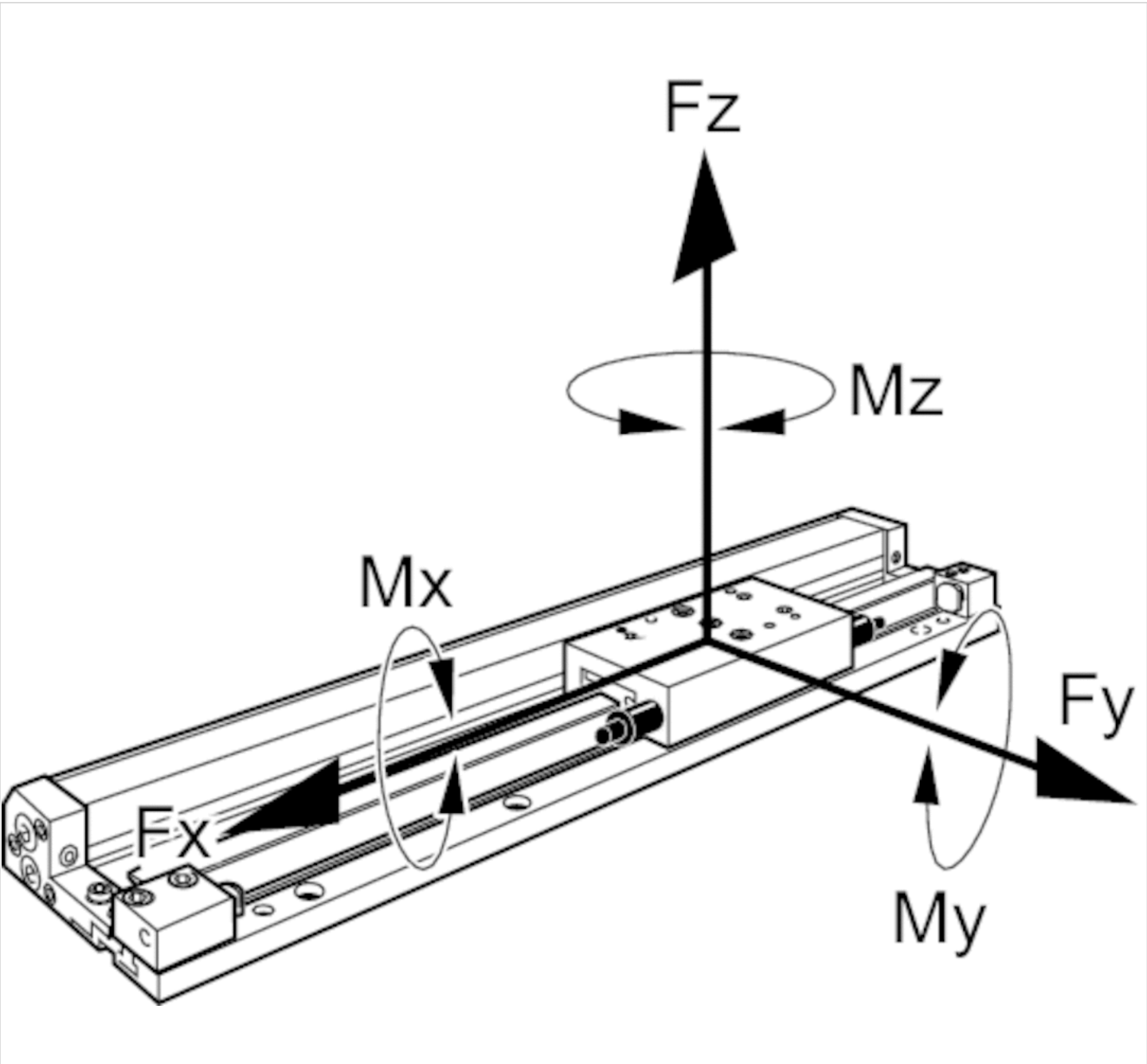
Piston Ø	Stroke	200	300	400	500	600	700	800	900	1000
16 mm	E(x)	1	2	3	4	5	6	7	8	9
25 mm	E(x)	1	2	3	4	5	6	7	8	9

Stroke-dependent dimensions

Piston Ø	Stroke	Weight kg
16 mm	200	1,78 kg
16 mm	300	2,09 kg
16 mm	400	2,4 kg
16 mm	500	2,71 kg
16 mm	600	3,02 kg
16 mm	700	3,33 kg
16 mm	800	3,64 kg
16 mm	900	3,95 kg
16 mm	1000	4,26 kg
25 mm	200	3,21 kg
25 mm	300	3,73 kg
25 mm	400	4,25 kg
25 mm	500	4,77 kg
25 mm	600	5,29 kg
25 mm	700	5,81 kg
25 mm	800	6,33 kg
25 mm	900	6,85 kg
25 mm	1000	7,37 kg

Dimensions

Permissible forces F_x, F_y, F_z and torques M_x, M_y, M_z , static

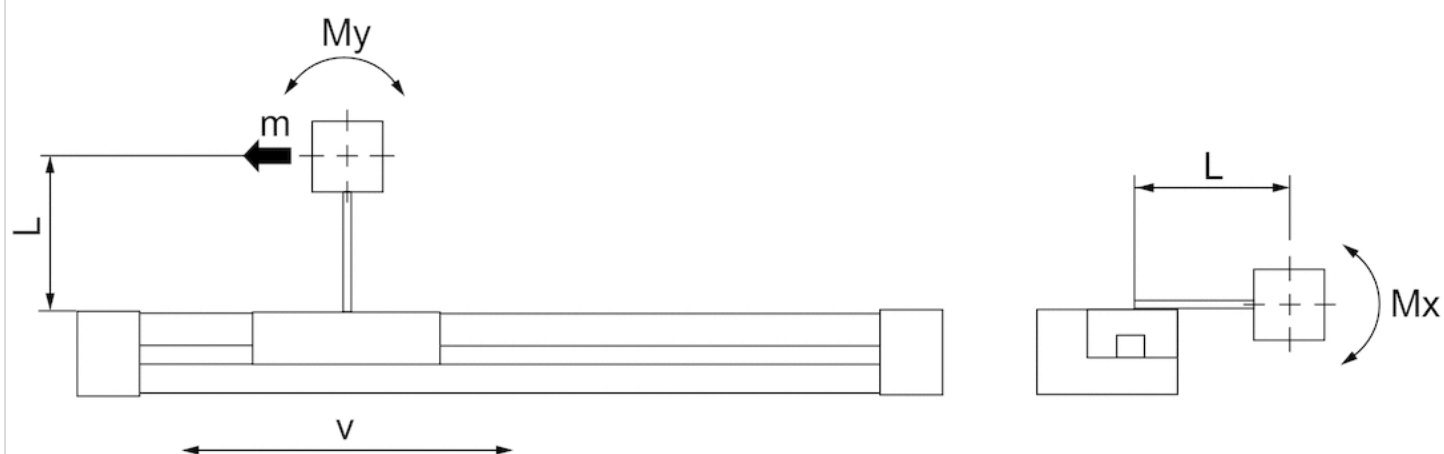


Dimensions

Piston Ø	F_x [N]	F_y [N]	F_z [N]	M_x [Nm]	M_y [Nm]	M_z [Nm]
16 mm	880	880	1500	20	40	40
25 mm	1070	1070	2500	55	65	65

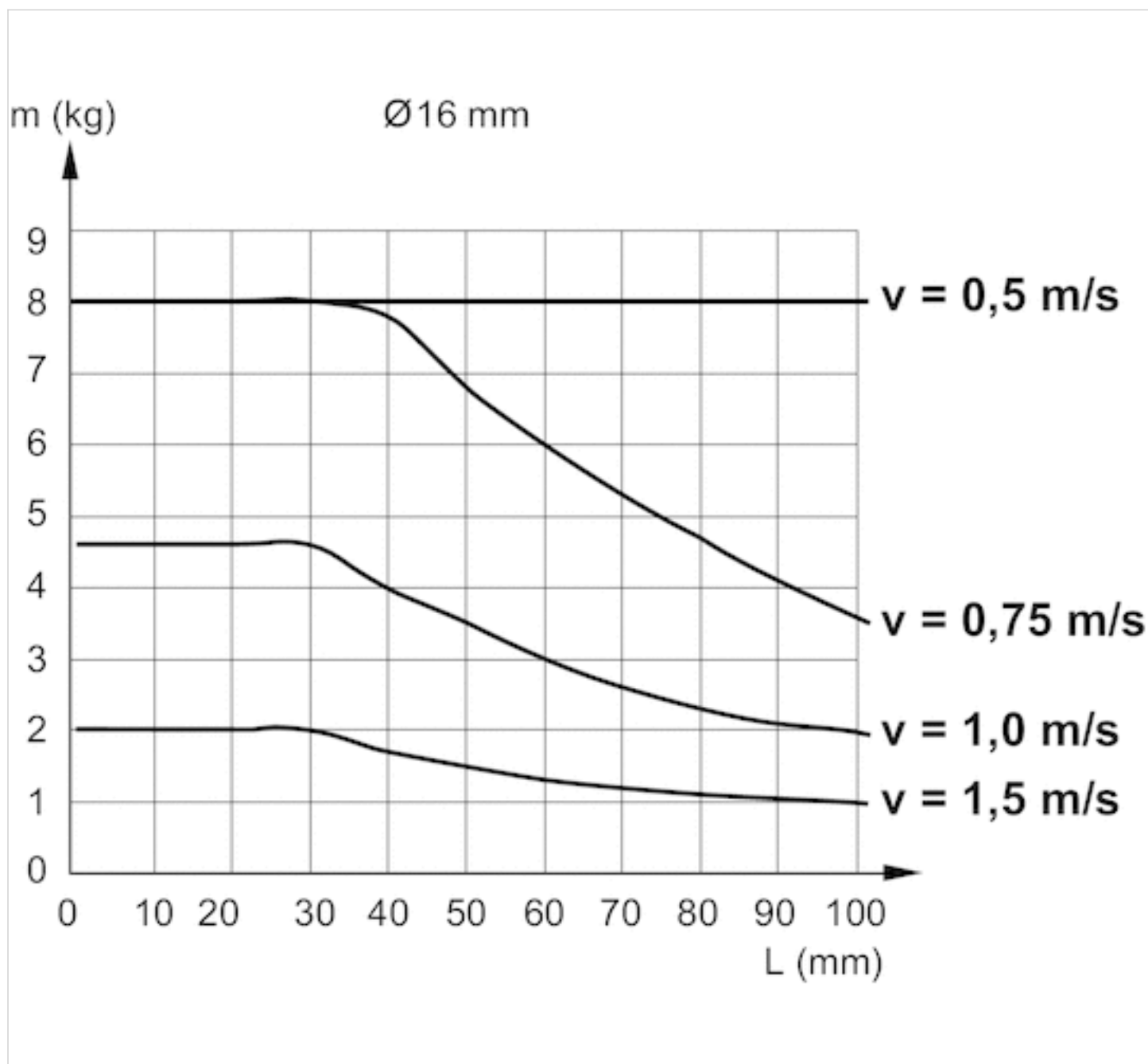
Dimensions

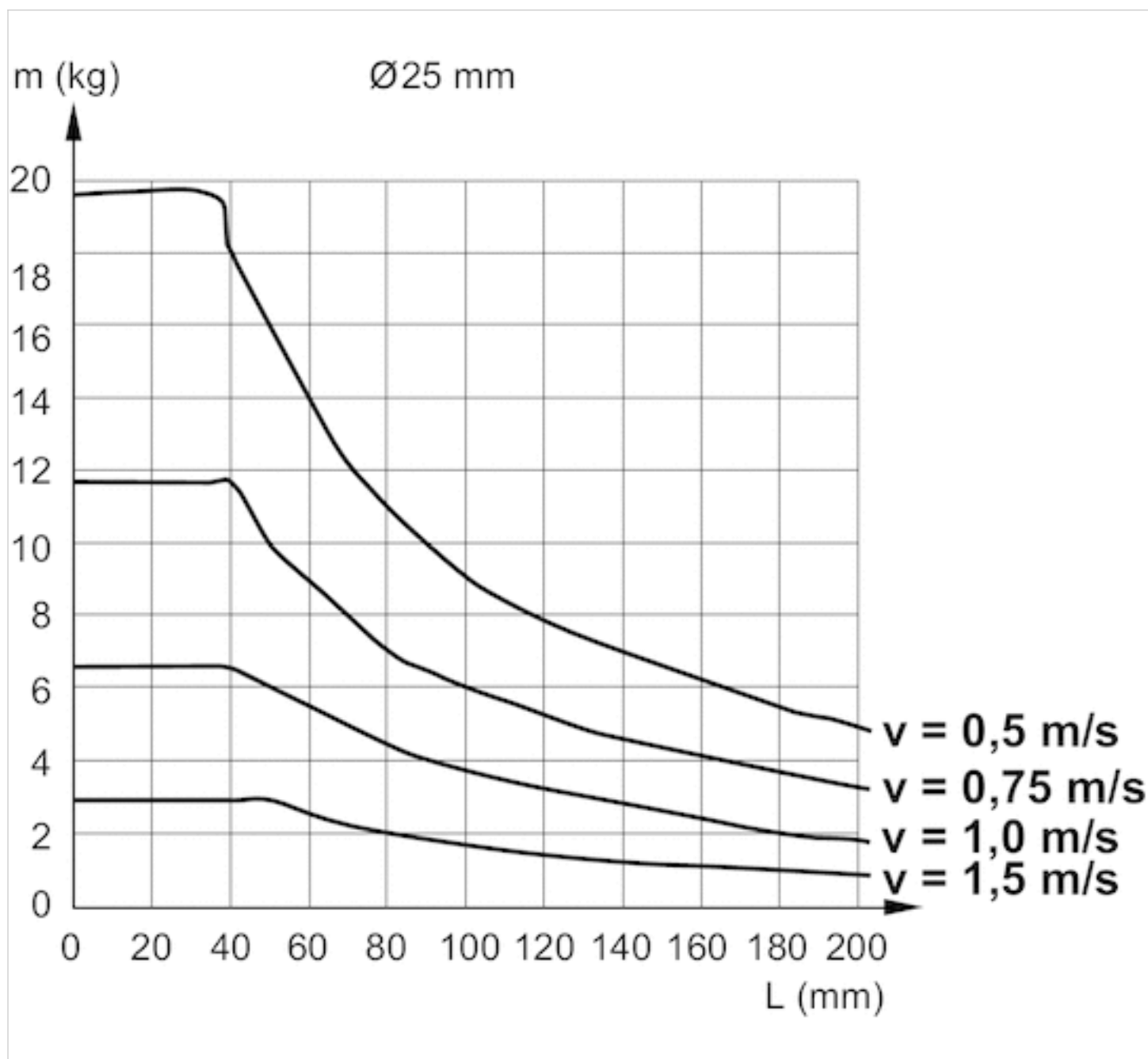
dynamic



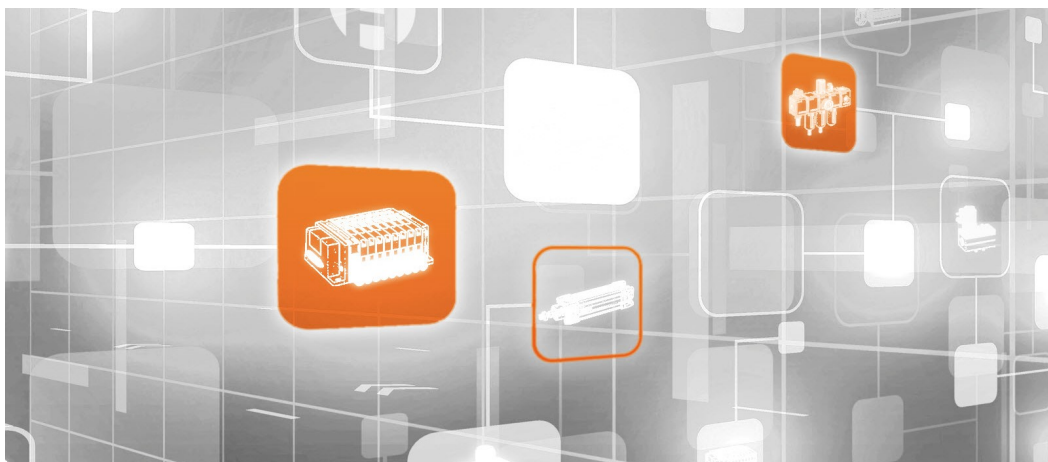
L indicates the distance between the mounting plate center and the center of mass of the attached parts.

Diagrams





Efficient pneumatic solutions, our program: cylinders and drives, valves and valve systems, air supply management



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