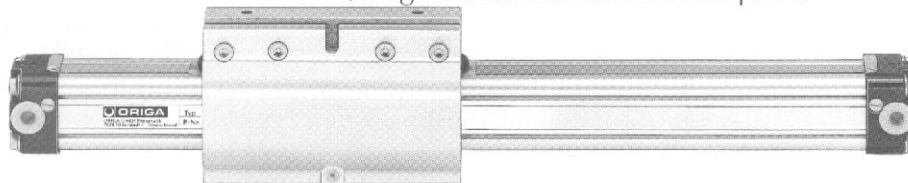
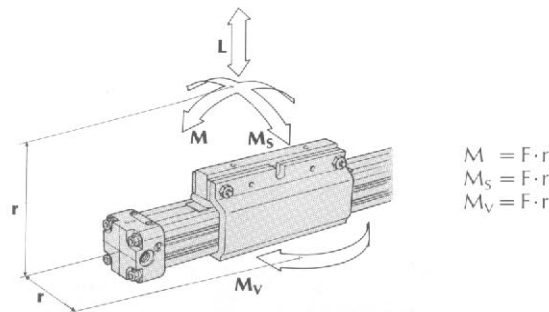


Series P 240 Cylinder with Brake Diameters 25 and 32 mm
 Optional stroke lengths up to 7,000 mm.
 (Longer strokes available on request.)



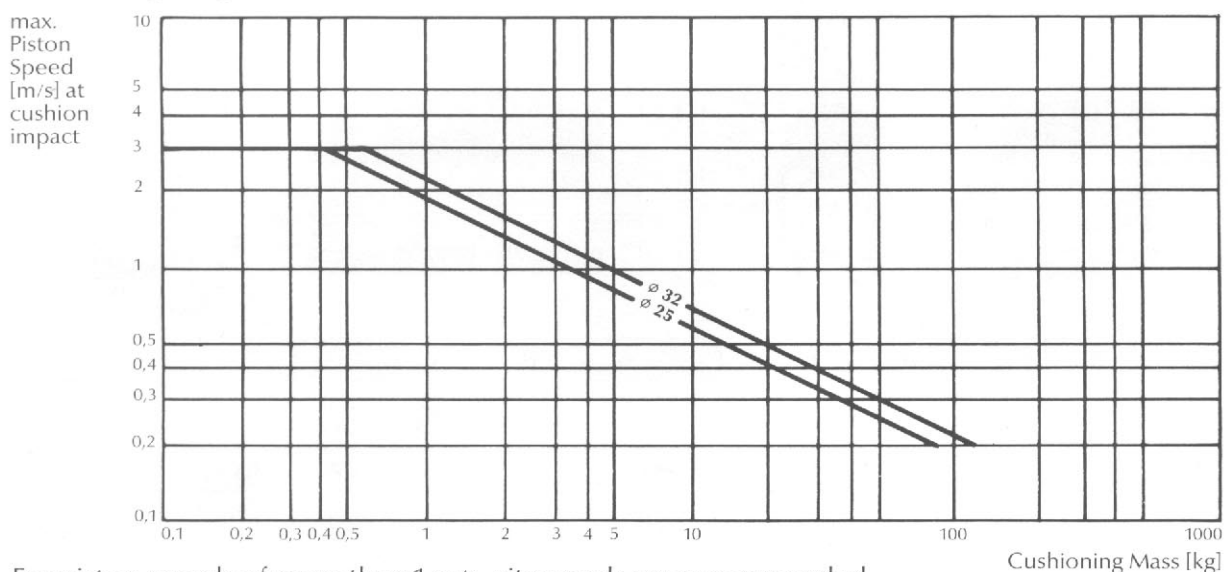
Technical Data
 Loads, forces, moments



Cyl. \varnothing	effective Force [N] at 6 bar	Cushion Length (mm)	Max. Allowed Bending Moment (Nm)		Max. Allowed Torque (Nm) M_v	Max. Allowed Load (N) L	Max. Braking Force (N)** at 6 bar
			M	M_s			
25	250	21	15	1,0	3	300	205-275
32	420	26	30	2,0	5	450	340-575

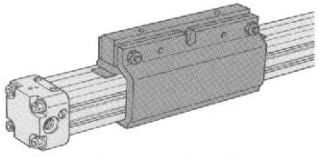
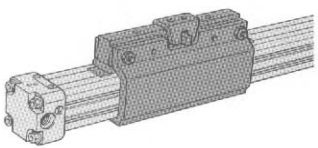
**Oiled surface - dry surface. Values are based on light shock free duty and should not be exceeded during piston acceleration. Side bending moments should be avoided. Operating pressure max. 8 bar.

Cushioning Diagram

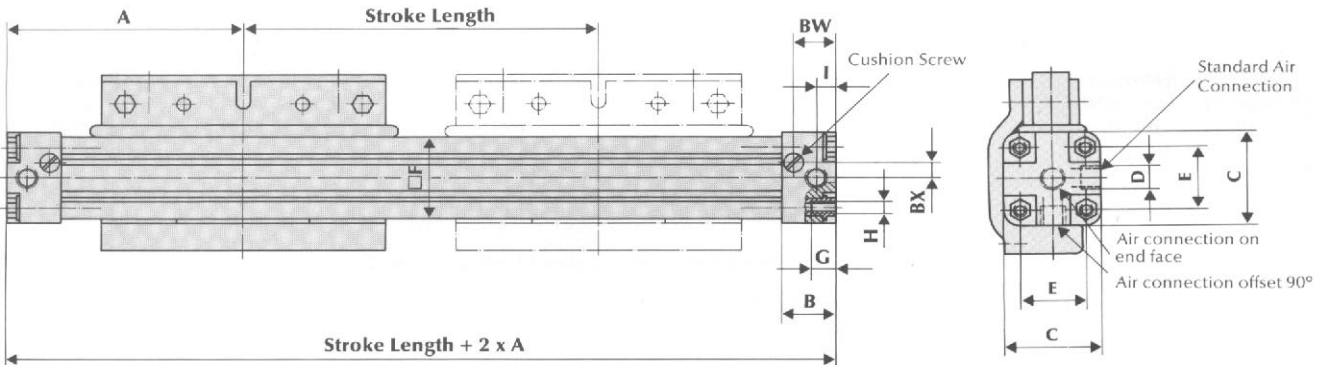


For piston speeds of more than 1 m/s, viton seals are recommended. If the approved limits are exceeded additional shock absorbers are advisable. For piston speeds of less than 0,2 m/s slow speed lubrication is recommended. Maximum seal life will be achieved when piston speeds do not exceed 1 m/s.

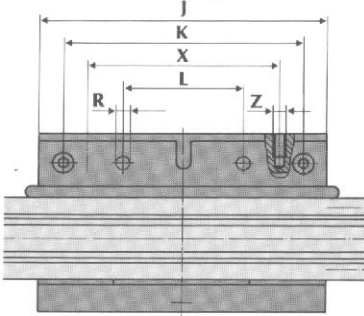
Piston Mountings

Standard Piston Mountings		Cyl. \varnothing	Cylinder weight [kg] for 0 stroke Increase 100 mm stroke		Ident No.	
Type P 240/20		Piston mounting No. 20	25	1,10	0,18	2820
		Aluminium	32	2,20	0,36	3820
Type P 240/25		Piston mounting No. 25	25	1,20	0,18	2850
		Galvanized steel	32	2,40	0,36	3850
		Carrier pin hardened steel for floating connection.				

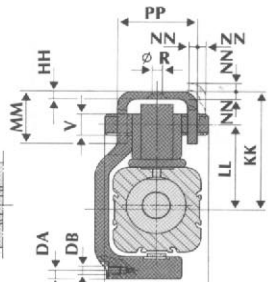
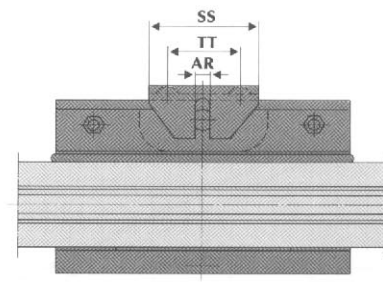
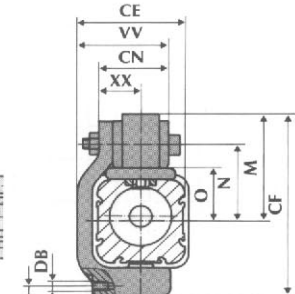
Overall Dimensions



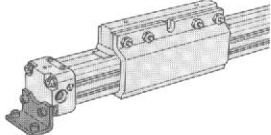
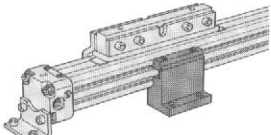
Piston Mounting No. 20



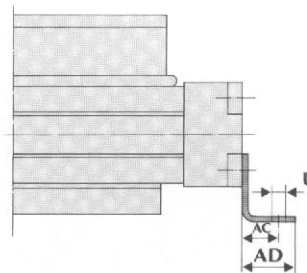
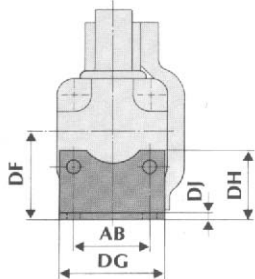
No. 25



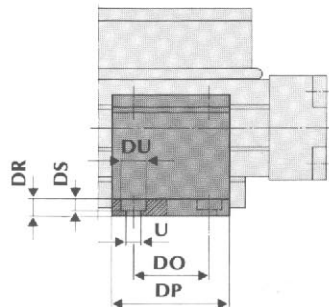
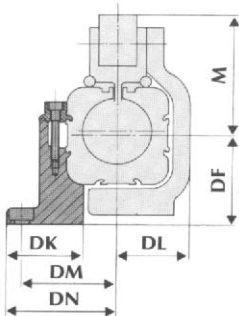
Cyl. \varnothing	A	B	C	D	E	F	G	H	I	J	K	L	M
25	100	23	40	G1/8	27	36	9	M5	8,5	120	100	50	46
32	125	27	52	G1/4	36	48	14	M6	10,5	160	120	60	60
Cyl. \varnothing	N	O	R	V	X	Z x Depth	AR	AS	BW	BX	CE	CF	
25	33	24	5,5	8	80	M5 x 10	5	42	18	6,5	46	78	
32	46	30	7	12	90	M6 x 15	8	55	21	9	60	98,5	
Cyl. \varnothing	CN	DA	DB	HH	KK	LL	MM	NN	PP	SS	TT	VV	XX
25	28,5	4	M5	3	52	38	20	2	37	32	16	37,5	17
32	35	4,5	M5	4	68	48,5	30	3	44	60	40	47,5	21,5

Cylinder Mountings		Cyl. ϕ	Weight [kg]	Ident No.	
	End cap mounting No. 10	25	0,044	2040	
	Galvanized steel	32	0,068	3040	
	Including screws (8.8 galvanized)				
Sole for support of cylinder Axial forces cannot be transferred		Mid-section support No. 11	25	0,100	2050
		Anodised aluminium	32	0,125	3050
		For placing in the profiled groove of the cylinder barrel			

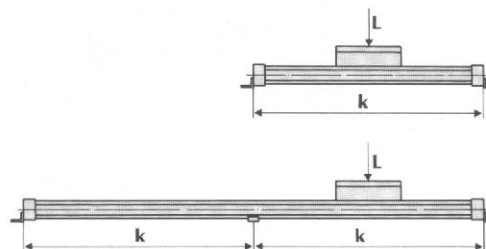
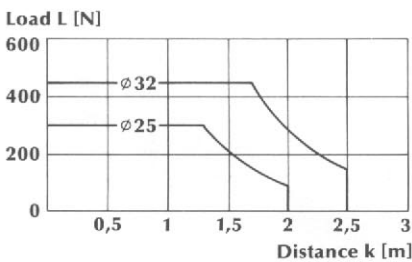
End cap Mounting No. 10



Mid-section Support No. 11



Position of Cylinder Mountings



Cyl. ϕ	M	U	AB	AC	AD	DF	DG	DH	DJ
25	46	5,5	27	16	22	37	39	33	3
32	60	6,6	36	18	26	44	50	34	3
Cyl. ϕ	DK	DL	DM	DN	DO	DP	DR	DS	DU
25	31	26	37	44	36	50	7	5	10
32	36	34	43	50	36	50	8	6	12

End cap Options

Air Connection in End Cap (see illustration of end cap on page 3.5/2)	Ident No.	
Cylinder \varnothing	25	32
Offset by 90°	2751	3751
End face G 1/8	2752	-
End face G 1/4	-	3752

Optional Features

Viton Seals	Ident No.	
End cap and piston	2771	3771

Lubrication	Ident No.	
Grease lubrication for slow speed < 0.2 m/s	2791	3791

Accessories: Electrical VOE or pneumatic VOP control valves, proximity switches RS or IS – Please refer to Chapter 4 – Accessories.