

Construction characteristics

End covers	hard anodised aluminium
Barrel	stainless steel AISI 304
Piston rod	stainless steel
Piston	brass (ø8-10-12) aluminium (ø16-20-25)
Seals	Standard: NBR Oil resistant rubber, PUR Piston rod seals (HNBR or FPM seals available upon request)
Mounting	steel painted in cataphoresis
Forks	zinc plated steel
Single-acting springs	C98 zinc plated steel for springs
Cushioning length	ø <u>16</u> - <u>20</u> - <u>25</u> - <u>32</u> mm <u>15</u> - <u>18</u> - <u>18</u> - <u>18</u>

Technical characteristics

Fluid	filtered air and preferably lubricated
Maximum working pressure	10 bar
Working temperature	$-5^{\circ}C$ - $+70^{\circ}C$ with standard seals magnetic or non magnetic piston
	-5°C - +80°C with FPM seals magnetic piston
	-5°C - +80°C with HNBR seals magnetic piston
	-5°C - +120°C with HNBR seals non magnetic piston
	-5°C - +150°C with FPM seals non magnetic piston

Please follow the suggestions below to ensure a long life for these cylinders:

- use clean and lubricated air
- correct alignment during assembly with regard to the applied load so as to avoid radial components or bending the rod.
- avoid high speeds together with long strokes and heavy loads: this would produce kinetic energy which the cylinder cannot absorb, especially if used as a limit stop (in this case use mechanical stop device)
- evaluate the environmental characteristics of cylinder used (high temperature, hard atmosphere, dust, humidity etc.) Please note: air must be dried for applications with lower temperature.

Use hydraulic oils H class (ISO Vg32) for correct continued lubrication.

Our Technical Department will be glad to help.

Standard strokes

Ø 8 and Ø 10

15-25-50-75-80-100 mm

ø 12 and ø 16

15 - 25 - 50 - 75 - 80 - 100 - 150 - 160 - 200 - 250 - 300 mm

ø 20 and ø 25

15 - 25 - 50 - 75 - 80 - 100 - 150 - 160 - 200 - 250 - 300 - 320 - 350 - 400 mm

ø 32

15 - 25 - 50 - 75 - 80 - 100 - 150 - 160 - 200 - 250 - 300 - 320 - 350 - 400 - 450 - 500 mm

Minimum and maximum springs load

Bore	Ø8	Ø10	Ø12	Ø16	Ø20	Ø25	Ø32
Min. load(N)	2.2	2.2	4	7.5	11	16.5	23
Max. load(N)	4.2	4.2	8.7	21	22	30.7	52.5



Microcylinders according to standard ISO 6432 "MIR" Rolled end covers

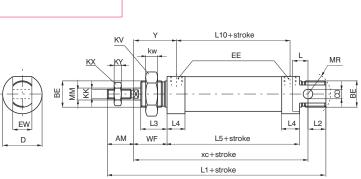
Δ

Ar I

Basic version

Ordering code	Description	
1280.Ø.stroke 1291.Ø.stroke 1292.Ø.stroke 12Ø.stroke.A 12Ø.stroke.M 12Ø.stroke.A.M 12Ø.strokeT 12Ø.strokeV		49)

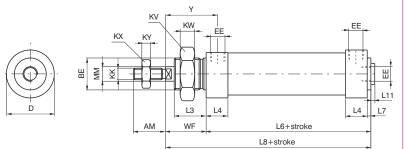
Standard version, fully compliant with ISO standards. Can use all available mountings. For single acting type, the maximum stroke is 50 mm., after which overall dimensions increase in length to an extent not proportional to the stroke (and in any case not longer than stroke 100).



Without rear eye version

Ordering code	Description	
1281.Ø.stroke 1293.Ø.stroke 1294.Ø.stroke 12Ø.stroke.A 12Ø.stroke.M 12Ø.stroke.A.M 12Ø.strokeT 12Ø.strokeV		

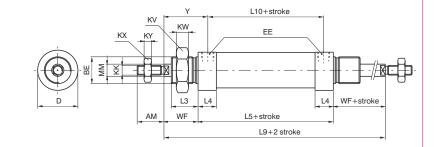
Version derived from standard version 1260 and not included in ISO standard. Not having a rear eye it is shorter. Rear inlet connection is at 90 like the front one, in line and plugged. The considerations made for the basic type 1280 apply for all single-acting types.



Push/Pull rod version

Fusil/Full Iou vei	31011	
Ordering code	Description	
1282.Ø.stroke 1282.Ø.stroke.M 1282.Ø.stroke.A 1282.Ø.stroke.A.M 1282.Ø.strokeV		

This version having rods coming out from both end plates with overall dimensions, except for the rod, equal to 1280 version. This version is not suitable for \emptyset 8 and \emptyset 10 due to difficulty in anchoring the pistons to rods.





UAB "Domingos prekyba" www.dominga.lt/eshop email: info@dominga.lt

Savanorių pr. 187- 4 korp., LT-02300 Vilnius, Lietuva, tel.: +370 5 2322231, faks. + 370 5 2648229



Table of dimensions

	Bore							
	8	10	12	16	20	25	32	
AM (-0,2)	12	12	16	16	20	22	20	
3E	M12X1,25	M12X1,25	M16X1,5	M16X1,5	M22X1,5	M22X1,5	M30X1,5	
CD (H9)	4	4	6	6	8	8	12	
D (h11)	16	16	20	21	27	30	38	
E	M5	M5	M5	M5	G1/8"	G1/8"	G1/8"	
EW (d13)	8	8	12	12	16	16	26	
KK (6g)	M4X0,7	M4X0,7	M6X1	M6X1	M8X1,25	M10X1,25	M10X1,25	
(V	17	17	22	22	30	30	42	
Ŵ	5,5	5,5	6	6	7	7	8	
Х	7	7	10	10	13	17	17	
Y	3	3	4	4	5	6	6	
-	6	6	9	9	12	13	13	
.1 (±1) *	86	86	105	111	130	141	139	
.2	10	10	14	13	15	15	14	
.3	12	12	17	17	18	22	22	
.4	9	9	9	11	15,5	15	14,5	
5 (±1) 🛛 \star	46	46	50	56	68	69	69	
.6 \star	48	48	52	58	70,5	71,5	71,5	
7	2	2	2	2	2,5	2,5	2,5	
8 *	64	64	74	80	94,5	99,5	99,5	
.9 (±1,2) 🛛 \star	78	78	94	100	116	125	125	
.10 (±1) 🛛 ★	37	37	41	45	52,5	53	54,5	
.11	1,5	1,5	1,5	1,5	2	2	2	
IM (f7)	4	4	6	6	8	10	12	
1R	12	12	16	16	18	19	22	
VF (±1,2)	16	16	22	22	24	28	28	
(C (±1) 🖌	64	64	75	82	95	104	105	
′ (±1,2)	20,5	20,5	26,5	27,5	32	36	35	
stroke tolerance:	until stroke 100 +1	,5 mm, beyond +2	mm					
eight stroke 0	30	35	65	80	160	200	310	
: every 10mm	2	2,5	4	5	7,5	11,5	18	
ariations of the vithout rear eye v								
eight stroke 0	25	30	60	75	150	185	290	
c. every 10mm	2	2,5	4	5	7,5	11,5	18	
Push/pull rod vers	sion	· · · · ·						
eight stroke 0	35	40	75	95	200	250	370	
r. every 10mm	2,5	3	6	7	10,5	15,5	24	

4

Dimensions marked with ***** do not increase proportionally to stroke for rear spring version (over 25 mm stroke).

