Series 1200 Rolled end covers MIR-INOX

Construction characteristics

Barrel	stainless steel AISI 304
Fixing devices	stainless steel AISI 304
Forks	stainless steel AISI 304
Piston seals	standard: NBR Oil resistant rubber, PUR Piston rod seals (FPM seals available upon request)
Pistons	aluminium
Piston rod	stainless steel
End caps	stainless steel AISI 316

Operational characteristics

Fluid	filtered air, preferably lubricated
Max. working pressure	10 bar
Working temperature	-5°C ... +70°C with standard seals magnetic or non magnetic piston -5°C ... +80°C with FPM seals 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.

Standard strokes

Double acting version

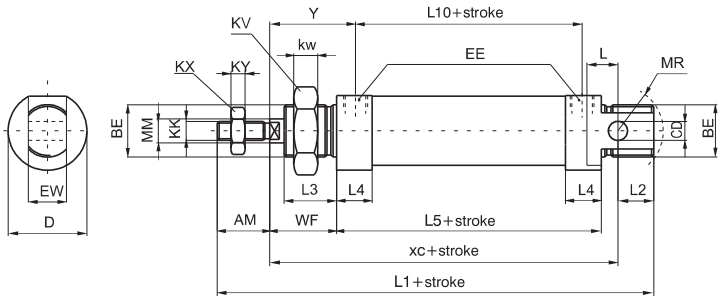
Ø16:
15 - 25 - 50 - 75 - 80 - 100 - 150 - 160 - 200 - 250 - 300 mm
Ø20 - Ø25:
15 - 25 - 50 - 75 - 80 - 100 - 150 - 160 - 200 - 250 - 300 - 320 - 350 - 400 mm
Ø32:
15 - 25 - 50 - 75 - 80 - 100 - 150 - 160 - 200 - 250 - 300 - 320 - 350 - 400 - 450 - 500 mm
On request are available strokes up to:
Ø16: 700 mm
Ø20 - Ø32: 1000 mm

Basic version

Coding: 1280.Ø.stroke.Ⓥ Ⓖ

Ø	BORE
	16 = Ø16
	20 = Ø20
	25 = Ø25
	32 = Ø32
Ⓥ	VERSION
	X = non-magnetic
	AX = non-magnetic version with cushions (non-adjustable cushioning)
	MX = Stainless steel magnetic version
	AMX = stainless steel magnetic version with cushions (non-adjustable cushioning)
Ⓖ	SEALS
	= NBR
	V = FPM

Standard version, fully complying with ISO standards. Can use all available mountings.



Through rod cylinder version

Coding: 1282.Ø.stroke.Ⓥ Ⓖ

Ø	BORE
	16 = Ø16
	20 = Ø20
	25 = Ø25
	32 = Ø32
Ⓥ	VERSION
	X = non-magnetic
	AX = non-magnetic version with cushions (non-adjustable cushioning)
	MX = Stainless steel magnetic version
	AMX = stainless steel magnetic version with cushions (non-adjustable cushioning)
Ⓖ	SEALS
	= NBR
	V = FPM

This version having rods coming out from both end caps, with overall dimensions, except for the rod, equal to 1280 version.

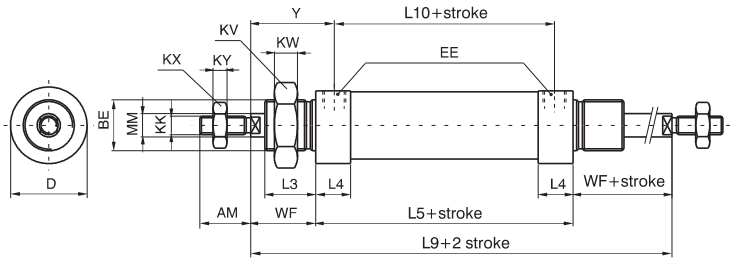


Table of dimensions

Bore	AM	BE	CD	D	EE	EW	KK	KV	KW	KX	KY	L	L1	L2	L3	L4	L5	L9	L10	MM	MR	WF	XC	Y
16	16	M16X1,5	6	21	M5	12	M6X1	22	6	10	4	9	111	13	17	10,5	56	100	45	6	16	22	82	27,5
20	20	M22X1,5	8	27	G1/8"	16	M8X1,25	30	7	13	5	12	130	15	18	10,5	68	116	52,5	8	18	24	95	32
25	22	M22X1,5	8	30	G1/8"	16	M10X1,25	30	7	17	6	13	140	15	22	15,5	68	125	52,5	10	18	28	104	36
32	20	M30X1,5	12	38	G1/8"	26	M10X1,25	42	8	17	6	13	139	14	22	14,5	69	125	54,5	12	22	28	105	35

Bore	Standard weight (g)		Weight push-pull version (g)	
	Stroke 0	every 10 mm	Stroke 0	every 10 mm
16	145	5	180	7
20	280	8	330	11
25	370	12	440	16
32	580	18	660	24

Overall dimensions and technical information are provided solely for informative purposes and may be modified without notice