



Series 1315, Round tube cylinders

These cylinders are built according to ISO 15552.

Construction characteristics

Cushion bushings	aluminium
Piston rod bushings	sintered bronze
Barrel	oxidised aluminium
Seals	standard: NBR Oil resistant rubber, PUR Piston rod seals
Pistons	aluminium
Piston rod	C43 chromed steel
End caps	aluminium alloy casting
Tie rods	steel with rolled threads

Operational characteristics

Fluid	filtered and lubricated air - hydraulic oil (with special bushing)
Pressure	max. 10 bar
Working temperature	-5 °C ... +70 °C
Cushioning length	50 mm

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.

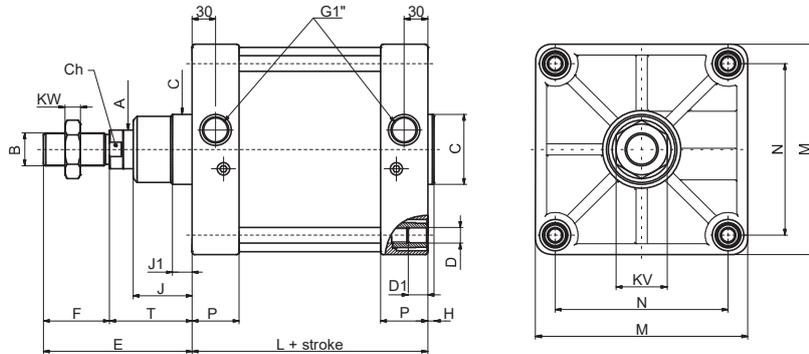
On request are available strokes up to: 2800 mm

Basic version "01"

Coding: 1315.Ø.stroke.01A

	BORE
Ø	250 = 250mm
	320 = 320mm

magnetic, aluminium barrel



Through rod cylinder version "02"

Coding: 1315.Ø.stroke.02A

	BORE
Ø	250 = 250mm
	320 = 320mm

magnetic, aluminium barrel

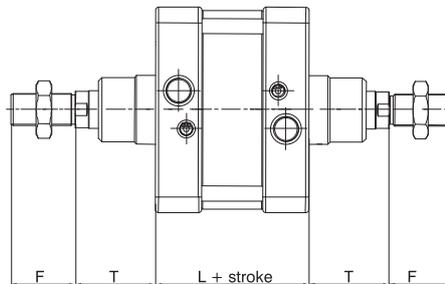


Table of dimensions

Bore	250	320
A	Ø50	Ø63
B	M42x2	M48x2
Ch	46	55
C	Ø90	Ø110
D	M20	M24
D1	25	28
E	189	216
F	84	96
J	75	90
J1	25	25
H	8	10
KW	21	24
KV	Es65	Es65
L	200	220
M	270	350
N	220	270
P	60	65
T	105	120
Weight (g)	28.170 (increase of 380 g each 10 mm stroke)	49.810 (increase of 616 g each 10 mm stroke)

PNEUMATIC ACTUATION