

CHARACTERISTICS

Ambient temperature	-20 ÷ 30 °C
Fluid	filtered air, with or without lubrication
Working pressure	4 ÷ 10 bar
Body	die-cast aluminium
Cover	die-cast aluminium
Piston	aluminium
Seals	NBR
Springs	special steel



2

M, KL, KE/K, KD, RS series cylinders



CODIFICATION KEY

L	1	-	N	0	6	3	2	0		
	1			2		3		4	5	

1 Series L1-N = Locking unit for cylinders and piston rods	2 Cylinder bore (mm) 016 = Ø16 050 = Ø50 020 = Ø20 063 = Ø63 025 = Ø25 080 = Ø80 032 = Ø32 100 = Ø100 040 = Ø40 125 = Ø125	3 Piston rod bore (mm) 06 = Ø6 16 = Ø16 08 = Ø8 20 = Ø20 10 = Ø10 25 = Ø25 12 = Ø12 32 = Ø32
4 Option K = Metallic piston rod scraper upon request	5 ATEX option X = Atex (upon request) See ATEX Catalogue for types and versions	

Core features and performance

Ø	Ø rod (mm)	Static locking force	Pressure on the equivalent cylinder	Dynamic braking force	Response time at 6 bar	Stopping point repeatability	Vibration resistance	Shock resistance	Minimum release pressure
		N	bar	a 1m/s	ms	J		bar	
16	6	200	10	40% of the static locking force	12	< 1 mm at 1 m/s	10 g (10-55 Hz) for 30 minutes on each axis	2	4
20	8	314			12			3	
25	10	490			15			4	
32	12	800			20			5	
40	16	1260			20			8	
50	20	2000			25			11	
63	20	3100			25			15	
80	25	5000			30			21	
100	25	7850			30			29	
125	32	12300			40			40	

■ **NFZ 160/200**
ISO 15552 cylinders with integrated locking unit

■ Locking unit with M8 inductive position sensor

■ Customized version upon request