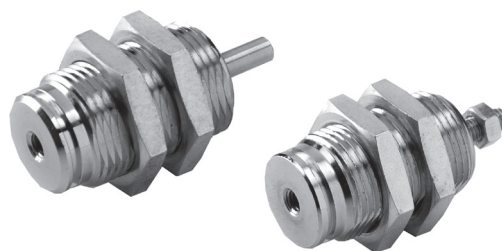


## DESCRIPTION

The single acting front spring cartridge micro-cylinders are available in three bores, each bore in three strokes and in two versions: threaded or non-threaded piston rod. They are used in applications where a must is to have extremely small actuators. The thread on cylinders barrel helps the assembling directly on the industrial machines.

They can comply with ATEX directive, 2GD category, upon request.



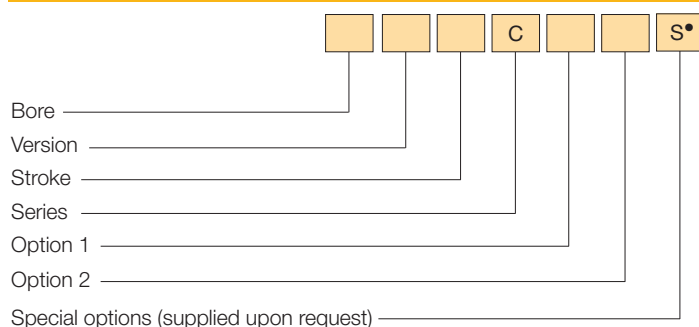
## TECHNICAL DATA

Operating pressure	2 ÷ 6 bar
Working temperature	Ø 6 = 0 ÷ +80 °C (with dry air -20 °C) Ø 10-16 = 0 ÷ +80 °C (with dry air -35 °C)
Fluid	Compressed air, filtered, continuous lubricated, unlubricated or dry lubricated
Versions	Single acting front spring
Bore	Ø 6, 10, 16,
Port size	Ø 6 ÷ 16 = M5
Standard strokes (mm)	5, 10, 15
Spring theoretical tractive force	See technical data on page 0.13

## MATERIALS

Body	Nichel-plated brass
Piston rod	AISI 303 stainless steel
Rod and end cap nuts	Galvanized steel
Piston	Ø 6 - 10 = AISI 303 stainless steel Ø 16 = Brass
Seals	Ø 6 = NBR Ø 10 - 16 = Polyurethane
Spring	Springs steel

## ORDER KEY



• See chapter 1, page 1.1.

## VERSION 1

/ Single acting front spring

## OPTION 1

L Smooth piston rod                      F Threaded piston rod

## OPTION 2

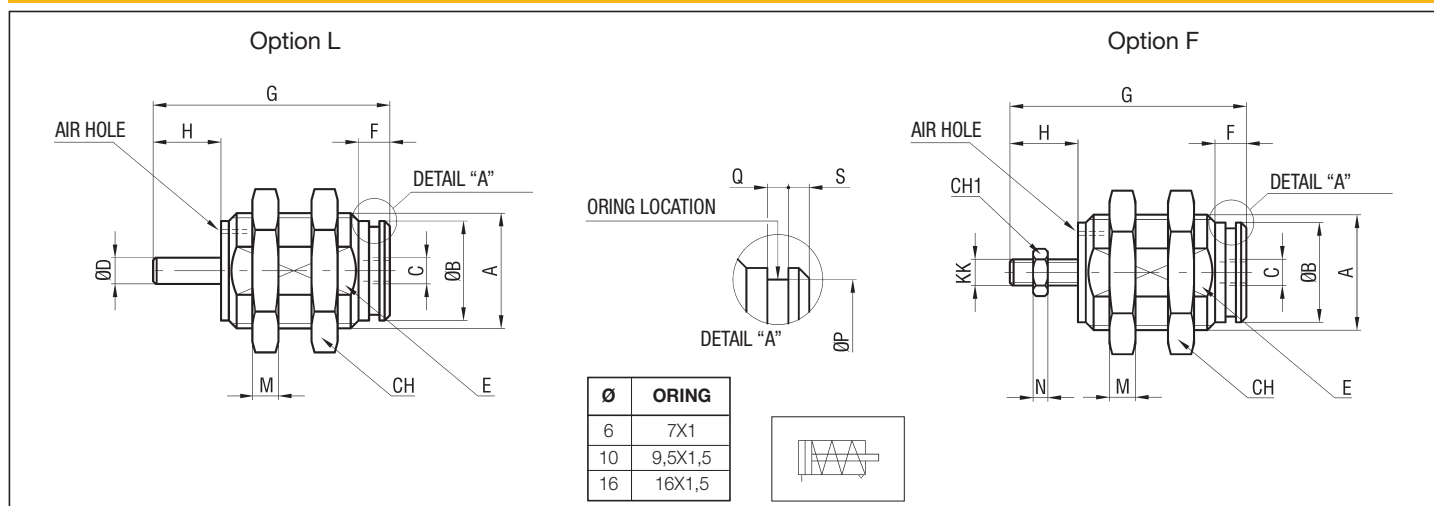
/EX Consistent with the ATEX directive II 2GD c T5 T100°C - 10°C < Ta < 80°C

## ORDER EXAMPLES

Cylinder Ø 6, single acting front spring, 15 mm stroke, smooth piston rod: **6/15 CL**

Cylinder Ø 16, single acting front spring, 10 mm stroke, threaded piston rod: **16/10 CF**

## C BASIC CYLINDER



P.S.: ORING no supplied as standard

## DIMENSIONS AND WEIGHTS BASIC CYLINDER

Ø	A	B	C	CH	CH1	D	E	F	G			H	KK	M	N	P	Q	S	WEIGHT (g)		
									5 mm	10 mm	15 mm								5 mm	10 mm	15 mm
6	M10X1	8,5	M5	14	5,5	3	9	5	27,5	34,5	41,5	8	M3	3	2,4	7,2	1,2	1,5	13	16	19
10	M15X1,5	12	M5	19	7	4	14	7	33,5	40	47	10,5	M4	4	3,2	9,8	2	1,5	30	34,5	41
16	M22X1,5	19	M5	27	8	5	20	6	40	45	50	13	M5	5	4	16,8	2	2	77	84	91,5