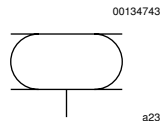


Rodless cylinders ▶ Bellow actuator

Series BCP

▶ standard version ▶ double ▶ Stroke: 95 - 253 mm



Version
Functional principle
Permissible angle of tilt max.
Working pressure min./max.
Ambient temperature min./max.
Medium
Pressure for determining forces

Bellow actuator with cover
Single-acting, retracted without pressure
20 °
0 bar / 8 bar
-40 °C / +70 °C
Compressed air
6 bar

Materials:

Bellow

caoutchouc/butadiene caoutchouc

Front cover

Steel, galvanized

End cover

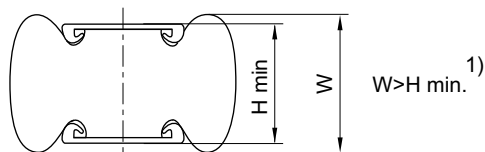
Steel, galvanized

Technical Remarks

- Compliance with the minimum height H min. as well as the maximum height H max. must be ensured with end stops.
- Use at operating height $\geq H_{\max}$: only permitted upon approval by AVENTICS
- For information on vibration insulators, see "Technical Information"
- reduced service life at a temperature greater than: 50 °C

Cover diameter	Compressed air connection G	Max. effective stroke	Min. radial installation space	Weight	Force min./max.	Fig.	Note	Part No.
[mm]		[mm]	[mm]	[kg]	[kN]			
90	G 1/8	95	160	1.3	2.1 - 5.6	Fig. 1	-	0822419040
108	G 1/4	108	180	1.5	3.5 - 8.7	Fig. 2	-	0822419041
141	G 1/4	123	215	2.1	5 - 12.6	Fig. 2	-	2999640000
	G 3/4	130	230	2.3	7 - 13		1)	0822419042
	G 3/4	153	235	2.3	7.7 - 14.8		1)	1922161000
161	G 3/4	165	250	3	7.7 - 20	Fig. 3	-	0822419043
		183	265	3.2	8.7 - 20.1		1)	R412010042
		223	275	3.5	8.2 - 19.5		1)	2999619400
228	G 3/4	190	340	4.8	17 - 35.4	Fig. 3	-	1933181000
		223	355	5.1	20.5 - 36.8		1)	2999638300
287	G 3/4	193	400	6.9	27.4 - 49.6	Fig. 4	-	1938191000
		223	415	7.3	27.8 - 52.6		1)	R412010200
		253	420	7.7	30 - 55		1)	2999610900

Comment



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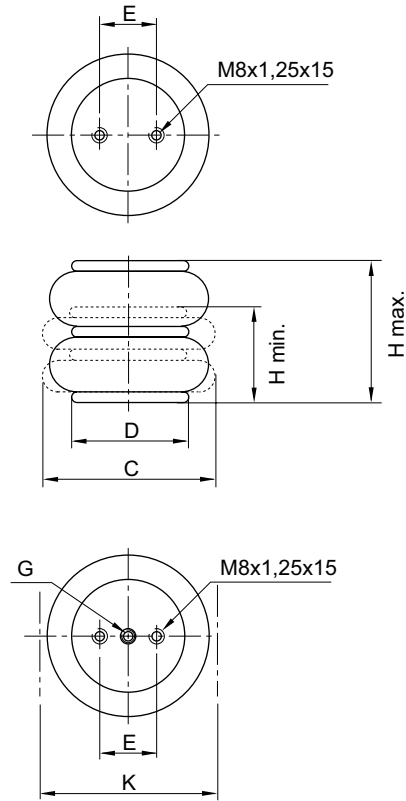
1) Once the minimum height H min. is reached, the bead height W can fall below the lower limit. If, for these products, level mounting surfaces greater than the cover diameter are selected, the return force and force output at the start of stroke increase. In the process, the rubber bellow is also compressed by the mounting surfaces. These products require more space upward, which can, in rare cases, present a hindrance. In any case, the specifications of the data sheets apply when using mounting surfaces in the size of the bellows actuator cover.

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Fig. 2



D190_053_E

Part No.	Compressed air connection G	H min. [mm]	H max. [mm]	C [mm]	D [mm]	E ±0,5 [mm]	K [mm]	Return force, min. [N]
0822419041	G 1/4	72	180	165	108	44.5	180	200
2999640000	G 1/4	72	195	203	141	70	215	200
0822419042	G 3/4	75	205	215	141	70	230	200
1922161000	G 3/4	77	230	218	141	70	235	200