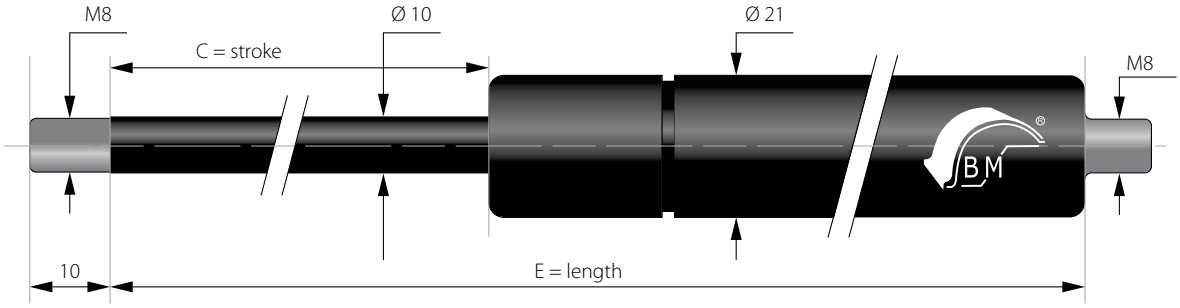
COMPRESSION GAS

WITH A PISTON DIAMETER OF 10 mm COMPLETED WITH M8 THREAD

Compression gas springs are a multipurpose product of a simple cylindrical shape with different mounting variants producing an extending power under pressurized nitrogen. The compression of the piston rod into the cylinder compresses nitrogen, resulting in the formation of force, which extends the piston from the cylinder. The amount of force depends on the cross section of the piston rod, the cylinder volume and the amount of nitrogen therein.

Gas springs are finished with an M8 thread, for which there is a wide range of end fittings. End fittings for this type of spring can be found in many materials created on demand 13, 14 and 15.

The piston rod is made of C35 steel, which is treated by nitriding (QPQ). The cylinder body is made of ST34 2-BK steel and painted with black epoxy paint.



C - stroke [mm]	E - length [mm]	F1 - force [N]	Reference
60	180	100-1150	ST 060+F1 V+D10
100	255	100-1150	ST 100+F1 V+D10
150	355	100-1150	ST 150+F1 V+D10
150	405	250-1150	ST 150+F1 V+D10E405
200	455	100-1150	ST 200+F1 V+D10
250	555	100-1050	ST 250+F1 V+D10
250	610	100-1050	ST 250+F1 V+D10E610
300	655	100-1050	ST 300+F1 V+D10
300	711	100-1000	ST 300+F1 V+D10E711
350	735	100-1000	ST 350+F1 V+D10E735
350	755	100-1000	ST 350+F1 V+D10
400	855	100-900	ST 400+F1 V+D10
440	960	100-900	ST 440+F1 V+D10E960
500	1055	100-700	ST 500+F1 V+D10
550*	1155	100-700	ST 550+F1 V+D10VA
600*	1255	100-700	ST 600+F1 V+D10VA
650*	1355	100-700	ST 650+F1 V+D10VA
700*	1455	100-700	ST 700+F1 V+D10VA

*Delivery date specified on demand.

Instructions for ordering the correct type of gas springs:
If you need a gas spring with a piston diameter of 10 mm, finished M8 thread, stroke of C = 100mm and with a force of F1 = 1000N – the spring will have order number ST100 1000 VD10.

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