

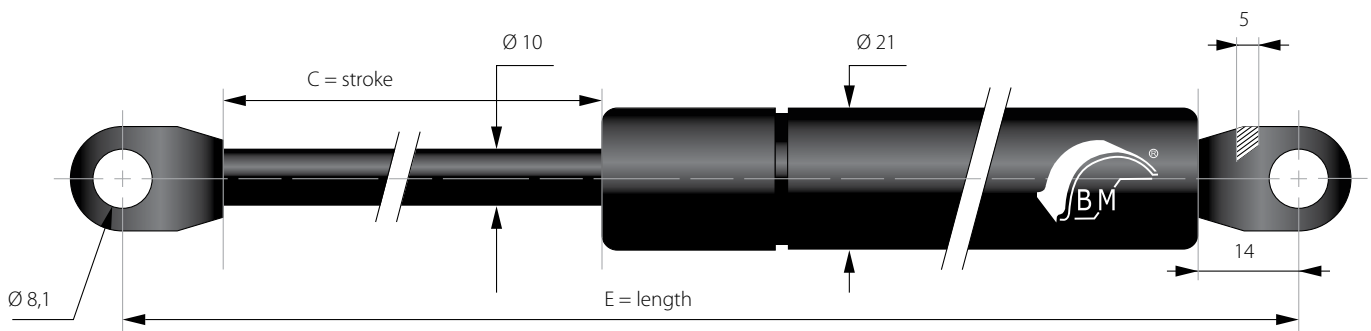
COMPRESSION GAS

GAS SPRINGS WITH A PISTON DIAMETER OF 10 mm WITH WELDED MESH

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 a welded mesh with a diameter of 8.1 mm and a mesh thickness of 5 mm.

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
100	285	50-1150	ST 100+F1+D10
150	385	50-1150	ST 150+F1+D10
200	485	50-1150	ST 200+F1+D10
250	585	50-1050	ST 250+F1+D10
300	685	50-1050	ST 300+F1+D10
330	740	50-1050	ST 330+F1+D10
350	785	50-1000	ST 350+F1+D10
400	885	50-900	ST 400+F1+D10

Instructions for ordering the correct type of gas springs:

If you need a gas spring with a piston diameter of 10 mm, with a welded mesh, stroke of C = 100mm and with a force of F1 = 1000N – the spring will have order number ST100 1000 D10.