

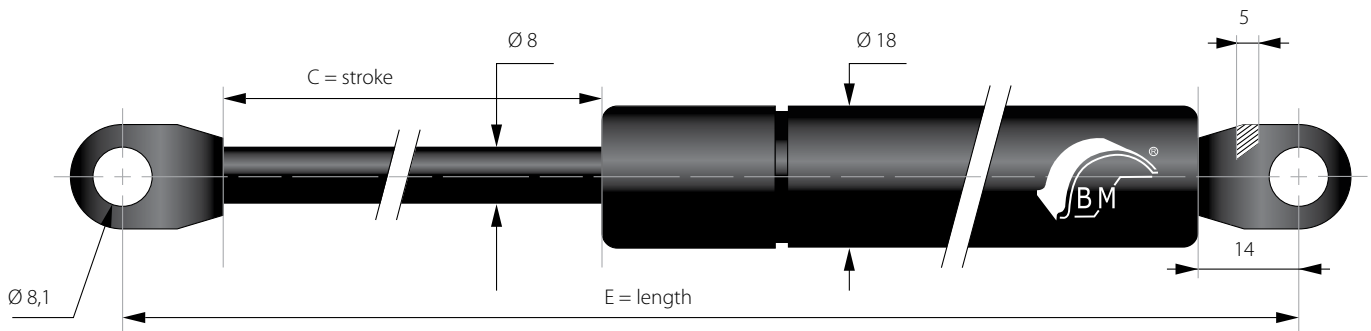
# COMPRESSION GAS

## GAS SPRINGS WITH A PISTON DIAMETER OF 8 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
40	155	50-750	ST 040+F1+D8E155
60	205	50-750	ST 060+F1+D8
72	225	50-750	ST 072+F1+D8
80	245	50-750	ST 080+F1+D8
90	255	50-750	ST 090+F1+D8
100	285	50-750	ST 100+F1+D8
120	325	50-750	ST 120+F1+D8
140	365	50-750	ST 140+F1+D8
150	385	50-750	ST 150+F1+D8
160	405	50-750	ST 160+F1+D8
180	445	50-700	ST 180+F1+D8
200	485	50-700	ST 200+F1+D8
200	500	50-700	ST 200+F1+D8E500
220	525	50-700	ST 220+F1+D8
250	585	50-700	ST 250+F1+D8
250	600	50-700	ST 250+F1+D8E600

### Instructions for ordering the correct type of gas springs:

If you need a gas spring with a piston diameter of 8 mm, with a welded mesh, stroke of C = 100mm and with a force of F1 = 600N – the spring will have order number ST100 600 D8.