

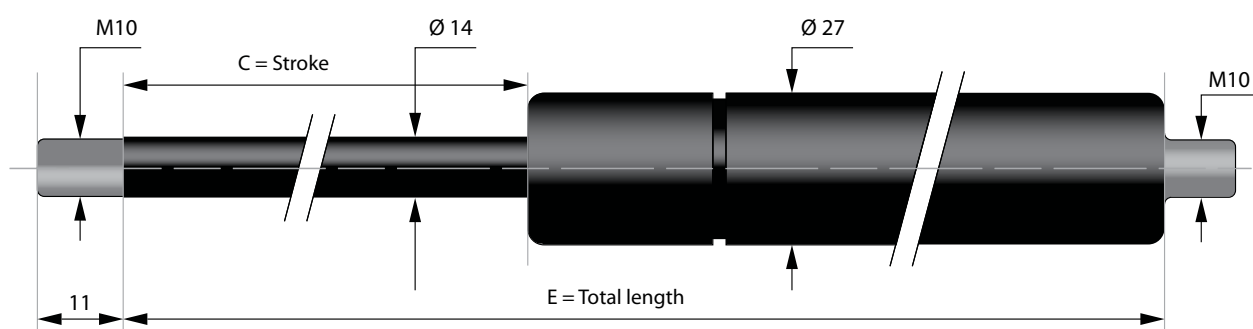
COMPRESSION GAS SPRINGS

WITH PISTON DIAMETER OF 14 mm

ENDED WITH M10 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 ended with M10 thread, for which there is a wide range of end fittings. 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.



INSTRUCTIONS FOR ORDERING THE CORRECT TYPE OF GAS SPRINGS:

If you need a gas spring with a piston diameter of 14 mm, ended with a M10 thread, stroke of $C=400$ mm and with a force of $F_1=1500$ N – the spring will have the following order number ST400 1500 V D14 M10.

C - stroke (mm)	E - length (mm)	F1 - force (N)	Reference
150	368	200 - 2400	ST 150 + F1 V + D14 E368 M10
200	455	200 - 2400	ST 200 + F1 V + D14 M10
250	555	200 - 2400	ST 250 + F1 V + D14 M10
300	655	300 - 2400	ST 300 + F1 V + D14 M10
350	755	300 - 2400	ST 350 + F1 V + D14 M10
400	855	300 - 2400	ST 400 + F1 V + D14 M10
450	955	300 - 2400	ST 450 + F1 V + D14 M10
500	1055	300 - 2100	ST 500 + F1 V + D14 M10
600	1255	300 - 2100	ST 600 + F1 V + D14 VA
650	1355	300 - 2100	ST 650 + F1 V + D14 VA
700	1455	300 - 1800	ST 700 + F1 V + D14 VA
750	1555	300 - 1800	ST 750 + F1 V + D14 VA
800	1655	300 - 1500	ST 800 + F1 V + D14 VA
900	1855	300 - 1500	ST 900 + F1 V + D14 VA