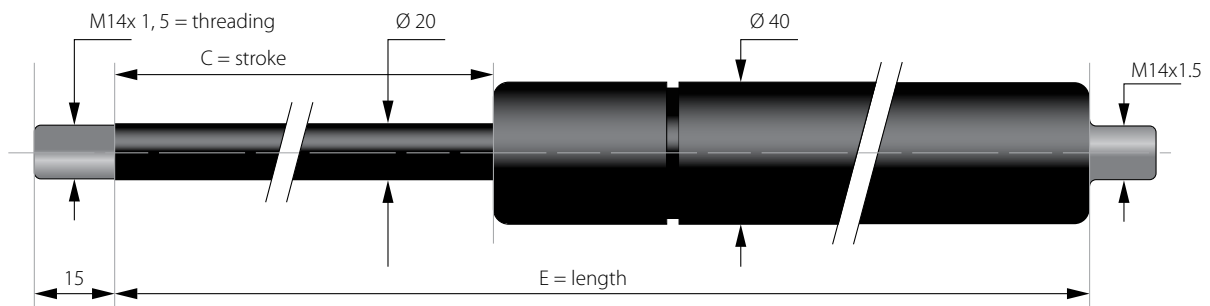


# COMPRESSION GAS SPRINGS

WITH A PISTON DIAMETER OF 20 mm ENDED WITH M14 THREADS

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 M14 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.



C - stroke [mm]	E - length [mm]	F1 - force [N]	Reference
100	316	De 300-5200	ST 100+F1 V+D20
150	416	De 300-5200	ST 150+F1 V+D20
200	516	De 300-5200	ST 200+F1 V+D20
250	616	De 300-5200	ST 250+F1 V+D20
300	716	De 300-5200	ST 300+F1 V+D20
350	816	De 300-5200	ST 350+F1 V+D20
400	916	De 300-5200	ST 400+F1 V+D20
500	1116	De 300-5200	ST 500+F1 V+D20

All sprigs in the  $\text{Ø } 20$  range are equipped with valves