

9 Technical Data

General data

Permissible medium	Compressed air in accordance with ISO 8573-1:2010
Max. particle size	5 µm
Oil content of compressed air	0-5 mg/m ³

The pressure dew point must be at least 15°C below the ambient and medium temperatures and must not exceed 3°C. The properties of the compressed air must remain constant over the entire service life.

Min./max. operating pressure	4–8 bar
Mounting orientation	Any

Holding force, weight, tightening torque

Cylinder Ø [mm]	Static holding force [N]	Weight [kg]	Tightening torque for lock nut [Nm]
20	300	0.13	20.0 ± 1.5
25	400	0.13	20.0 ± 1.5

Holding force, weight, tightening torque

Cylinder Ø [mm]	Static holding force [N]	Weight [kg]	Tightening torque for mounting screws [Nm]
32	650	0.2	9.5 ± 0.7
40	1100	0.27	9.5 ± 0.7
50	1600	0.57	19 ± 1.5
63	2500	0.8	19 ± 1.5
80	4000	1.85	40 ± 3
100	6300	2.9	40 ± 3

Permissible piston rod extension

Cylinder Ø [mm]	Length of piston rod extension [mm]	Suitable piston rod diameter [mm]
20	54	8
25	51	10
32	42	12
40	47	16
50	57	20
63	57	20
80	77	25
100	77	25

- For further technical data, please see the AVENTICS GmbH online catalog at www.aventics.com/pneumatics-catalog.