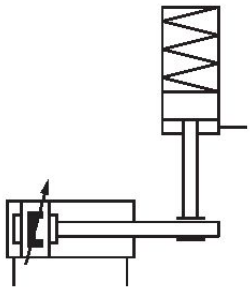
Locking unit, Series LU1

R412003732

General series information
AVENTICS Series LU1 Locking units

- The AVENTICS Series LU1 is a an holding unit using eccentric movement to hold the piston rod in any position.





Technical data

Industry	Industrial
Function	Clamp with eccentric tappet
Function	hold: spring force, release: compressed air
Piston Ø	50 mm 63 mm
suitable piston rod Ø	20 mm
Piston rod extension	100 mm
Compressed air connection	G 1/8
Release pressure min.	4.5 bar
Release pressure max.	8 bar
Min. medium temperature	-20 °C
Max. medium temperature	80 °C

Medium	Compressed air
Max. particle size	5 µm
Min. ambient temperature	-20 °C
Max. ambient temperature	80 °C
Oil content of compressed air min.	0 mg/m³
Oil content of compressed air max.	5 mg/m³
Static holding force	2300 N
Weight	2.56 kg

Material

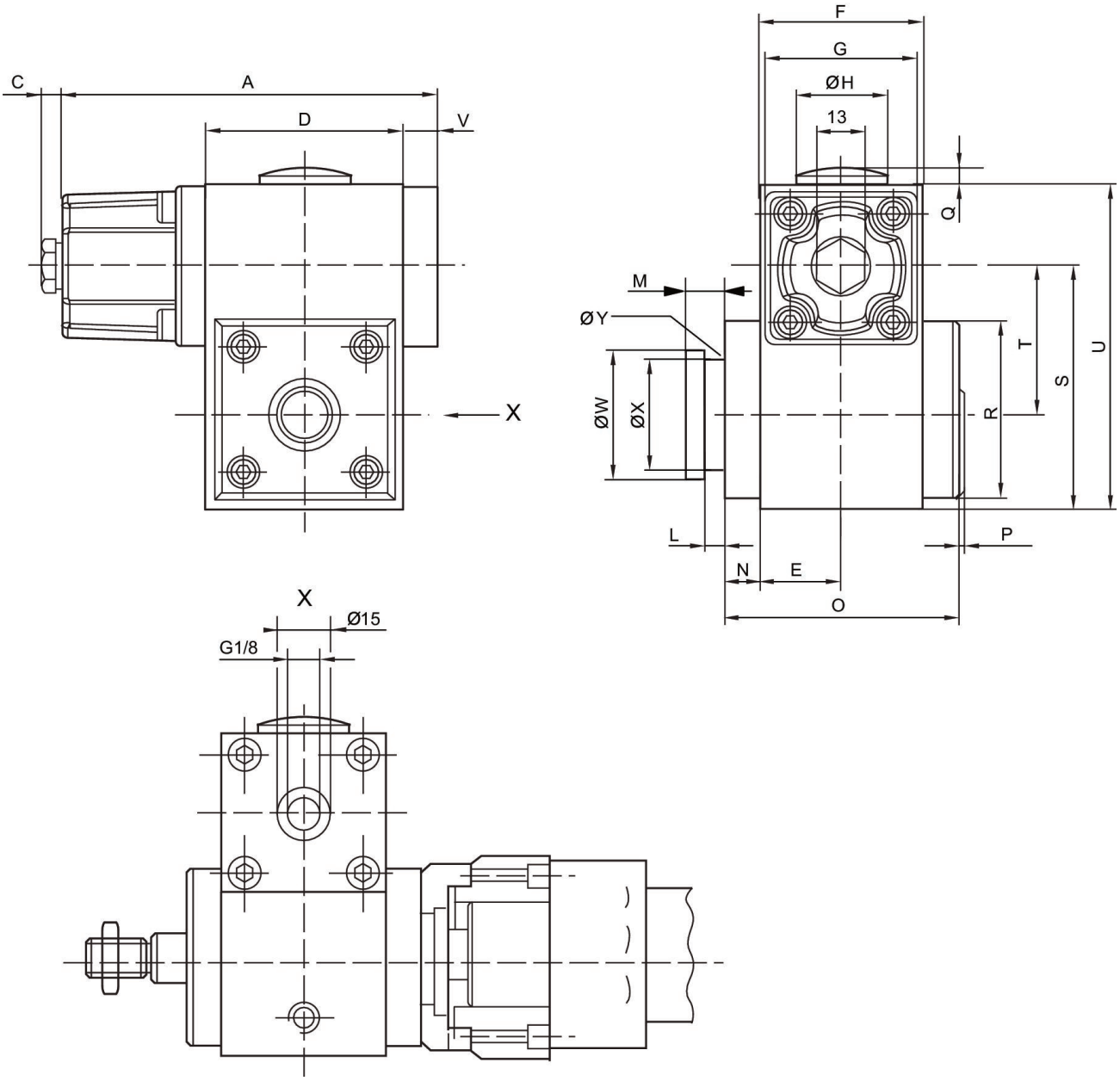
Housing	Aluminum
Surface housing	anodized
Cover	Die-cast aluminum
Part No.	R412003732

Technical information

Warning: The Locking unit may not be used for the following applications: - for dynamic holding - in or as safety equipment

Locking unit may only be unlocked when turned off.

Dimensions



Piston Ø	Part No.	A	C	D	E	F	G	Ø H	L
32	R412003730	106	6	56	23	46	45	30	4.1
32	0821401134	106	6	56	23	46	45	30	4.1
40	R412003731	106	6	56	23	46	45	30	5.1
40	0821401135	106	6	56	23	46	45	30	5.1
50, 63	R412003732	139.5	6	69	30	60	55	30	5.1
50, 63	0821401136	139.5	6	69	30	60	55	30	5.1
80, 100	R412003733	176.5	6	100	40	80	65	37.5	8.1
80, 100	0821401137	176.5	6	100	40	80	65	37.5	8.1

Piston Ø	M	N	O	P	Q	R	S	T	U
32	8	9	65	3	2.5	50	68.5	41.9	91.5
32	8	9	65	3	2.5	50	68.5	41.9	91.5
40	10	9	65	3	2.5	50	68.5	40.5	91.5
40	10	9	65	3	2.5	50	68.5	40.5	91.5
50, 63	10	9	83.5	3	2.5	60	79.5	48	110
50, 63	10	9	83.5	3	2.5	60	79.5	48	110
80, 100	16	13	118	3	2	90	119	72	155
80, 100	16	13	118	3	2	90	119	72	155

Piston Ø	V	Ø W	Ø X	Ø Y
32	10	29.9	24	3
32	10	29.9	24	3
40	10	39.9	30	3
40	10	39.9	30	3
50, 63	10	39.9	30	3
50, 63	10	39.9	30	3
80, 100	10	54.9	40	5
80, 100	10	54.9	40	5