

Locking unit, Series LU1

- Ø 1.26-3.94 inch

- hold: spring force, release: compressed air



Function

Release pressure

Ambient temperature min./max.

Medium temperature min./max.

Medium

Max. particle size

Oil content of compressed air

Weight

Clamp with eccentric tappet

See table below

-4 ... 176 °F

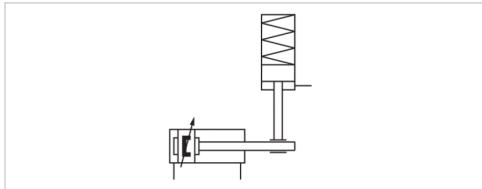
-4 ... 176 °F

Compressed air

5 µm

0 ... 5 mg/m³

See table below



Technical data

Part No.	Piston Ø	suitable piston rod Ø	Piston rod extension	Compressed air connection	Release pressure
R412003730	1.26 inch	0.47 inch	3.11 inch	G 1/8	66 ... 116 psi
0821401134	1.26 inch	0.47 inch	3.11 inch	G 1/8	80 ... 116 psi
R412003731	1.57 inch	0.63 inch	3.19 inch	G 1/8	66 ... 116 psi
0821401135	1.57 inch	0.63 inch	3.19 inch	G 1/8	80 ... 116 psi
R412003732	1.97 2.48 inch	0.79 inch	3.94 inch	G 1/8	66 ... 116 psi
0821401136	1.97 2.48 inch	0.79 inch	3.94 inch	G 1/8	80 ... 116 psi
R412003733	3.15 3.94 inch	0.98 inch	5.51 inch	G 1/8	66 ... 116 psi
0821401137	3.15 3.94 inch	0.98 inch	5.51 inch	G 1/8	80 ... 116 psi

Part No.	Static holding force	Weight
R412003730	166.35 lbf	3.35 lbs
0821401134	188.83 lbf	3.35 lbs
R412003731	224.8 lbf	3.31 lbs
0821401135	247.28 lbf	3.31 lbs
R412003732	517.04 lbf	5.64 lbs
0821401136	606.96 lbf	5.64 lbs
R412003733	899.2 lbf	16.98 lbs
0821401137	1303.84 lbf	16.98 lbs

Holding force at 0 bar, Mounting elements LU3, LU4, LU5 are required for assembly and must be ordered separately as accessories.

Technical information

Warning:

The Locking unit may not be used for the following applications:

- for dynamic holding
- in or as safety equipment

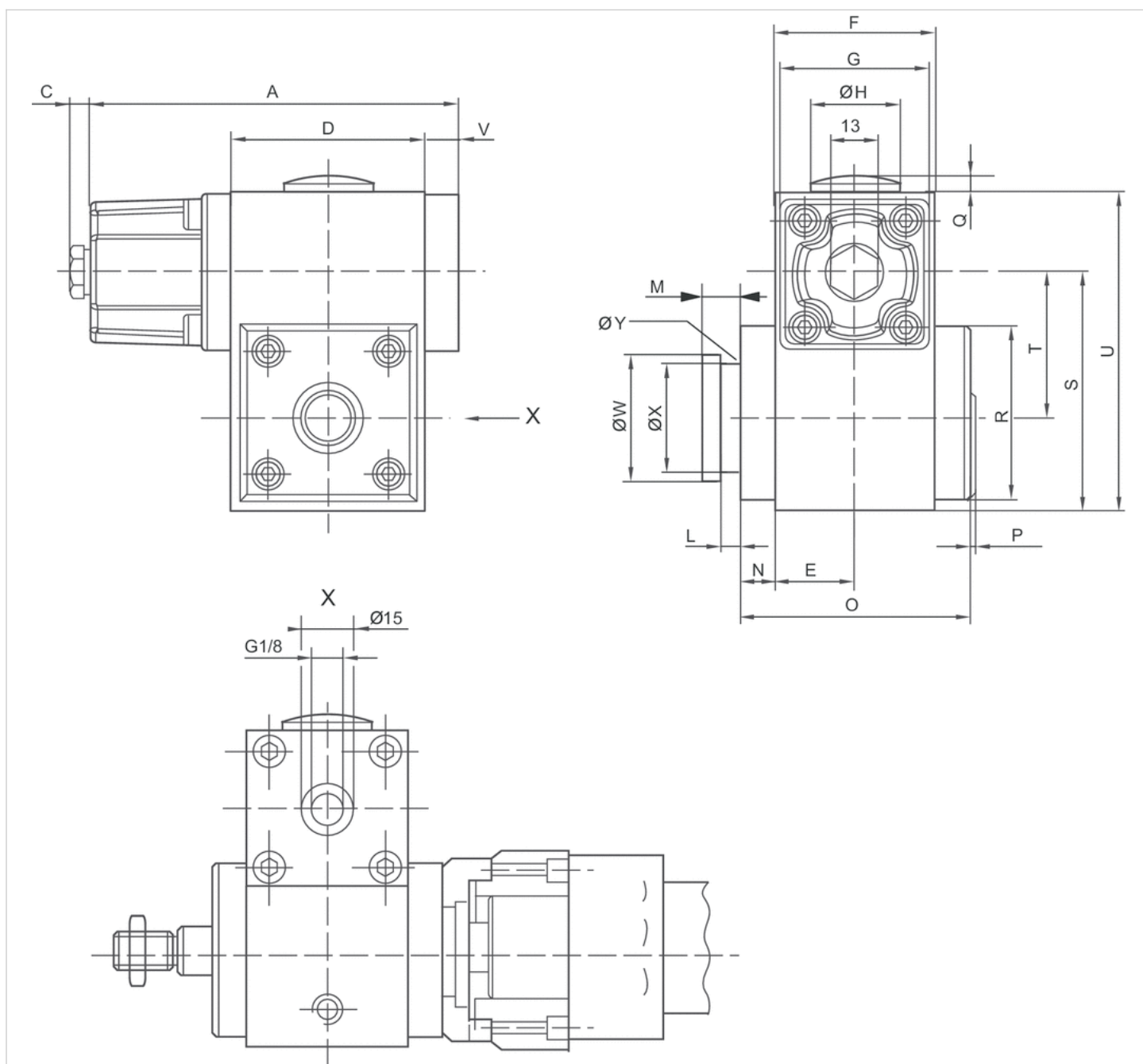
Locking unit may only be unlocked when turned off.

Technical information

Material	
Housing	Aluminum, anodized
Cap	Die-cast aluminum

Dimensions

Dimensions



Dimensions

Part No.	A	C	D	E	F	G	ØH	L	M	N	O	P	Q	R	S	T	U	V	ØW	ØX	ØY
R412003730	106	6	56	23	46	45	30	4.1	8	9	65	3	2.5	50	68.5	41.9	91.5	10	29.9	24	3
0821401134	106	6	56	23	46	45	30	4.1	8	9	65	3	2.5	50	68.5	41.9	91.5	10	29.9	24	3
R412003731	106	6	56	23	46	45	30	5.1	10	9	65	3	2.5	50	68.5	40.5	91.5	10	39.9	30	3
0821401135	106	6	56	23	46	45	30	5.1	10	9	65	3	2.5	50	68.5	40.5	91.5	10	39.9	30	3
R412003732	139.5	6	69	30	60	55	30	5.1	10	9	83.5	3	2.5	60	79.5	48	110	10	39.9	30	3
0821401136	139.5	6	69	30	60	55	30	5.1	10	9	83.5	3	2.5	60	79.5	48	110	10	39.9	30	3
R412003733	176.5	6	100	40	80	65	37.5	8.1	16	13	118	3	2	90	119	72	155	10	54.9	40	5
0821401137	176.5	6	100	40	80	65	37.5	8.1	16	13	118	3	2	90	119	72	155	10	54.9	40	5

