

## Locking unit, Series LU1

► Ø32 - 100 mm ► Hold: adjustable spring force, Release: compressed air



Function Clamp with eccentric tappet

Release pressure 2 bar / 8 bar Ambient temperature min./max.  $-20 \,^{\circ}\text{C}$  /  $+80 \,^{\circ}\text{C}$  Medium temperature min./max.  $-20 \,^{\circ}\text{C}$  /  $+80 \,^{\circ}\text{C}$  Max. particle size 5  $\mu\text{m}$ 

 $\begin{array}{ll} \mbox{Oil content of compressed air} & \mbox{0 mg/m}^3 - 5 \mbox{ mg/m}^3 \\ \mbox{Static holding force} & \mbox{See table below} \end{array}$ 

Materials:

Housing Aluminum, anodized Cover Die-cast aluminum

## **Technical Remarks**

■ The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C.

- The oil content of compressed air must remain constant during the life cycle.
- Use only the approved oils from AVENTICS, see chapter "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.
- Note:The minimum release pressure is >= the working pressure of the cylinder!The holding force is dependent on the set spring force

Piston Ø	suitable piston rod Ø	Piston rod extension			Weight	Part No.
[mm]	[mm]	[mm]		[N]	[kg]	
32	12	79		840	2	0821401130
40	16	81		1100	2	0821401131
50, 63	20	100		2700	3	0821401132
			G 1/8			
80, 100	25	140		5800	9	0821401133

Holding force at 0 bar

Mounting elements LU3, LU4, LU5 are required for assembly and must be ordered separately as accessories.

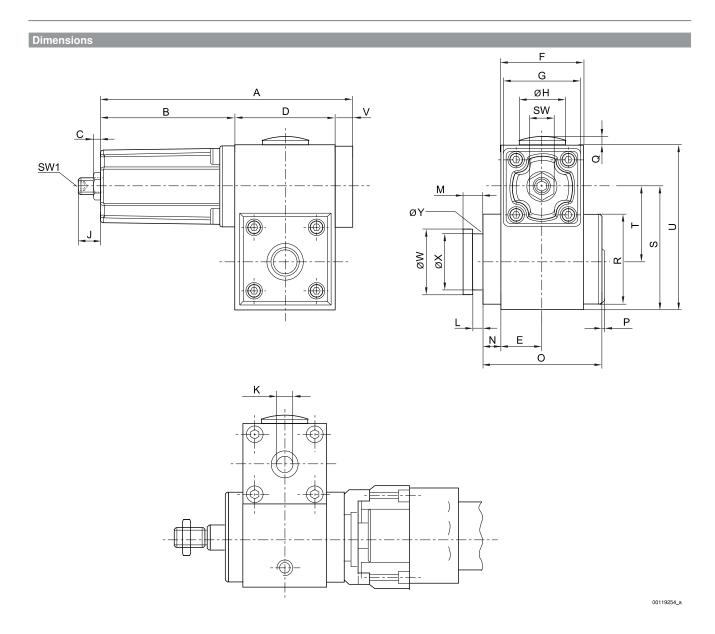
Rexroth

**Pneumatics** 

Cylinder Accessories ► Locking Elements, series CL1

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Piston Ø	Α	В	С	D	Е	F	G	ØH	J	K	L	М	N
32	135	69	10	56	23	46	45	30	19	G 1/8	4.1	8	9
40	135	69	10	56	23	46	45	30	18	G 1/8	5.1	10	9
50, 63	169	90	10	69	30	60	55	30	17	G 1/8	5.1	10	9
80, 100	208	98	16.7	100	40	80	65	37.5	15	G 1/8	8.1	16	13
Piston Ø	0	Р	Q	R	S	SW	SW1	Т	U	V	ØW	ØX	ØΥ
32	65	3	2.5	50	69	15	5	41.9	92	10	29.9	24	3
40	65	3	2.5	50	69	15	5	40.5	92	10	39.9	30	3
50, 63	84	3	2.5	60	80	15	5	48	111	10	39.9	30	3
80, 100	118	3	2	90	119	24	8	72	155	10	54.9	40	5

