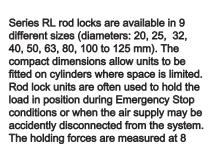
Series RL rod lock

For cylinders ISO 6431/VDMA and ISO 6432 ø 20, 25, 32, 40, 50, 63, 80, 100, 125 mm



- » Compact design
- » Functioning in both directions
- » Blocks without pressure releases with pressure



bar and apply in both directions.

Caution!

The rod lock should not be used to "brake" the piston rod in dynamic conditions and must only be applied when movement has ceased.

Note:

the cylinder piston rod length must be increased when using a rod lock unit. See the table for the minimum extension lengths for each diameter.

GENERAL DATA

Type of construction compact

Operation piston operated clamp

Materials housing: anodized AL clamp: brass

seals: NBR

Cylinder diameter ø 20 - 25 - 32 - 40 - 50 - 63 - 80 - 100 - 125

Operating temperature $0^{\circ}\text{C} \div 80^{\circ}\text{C}$ (with dry air -20°C)

Configuration pressure release **Operating pressure** 3 ÷ 8 bar

Ports M5 = Ø20, 25, 32 - G1/8 = Ø40, 50, 63, 80, 100, 125

Fluid Filtered air without lubrication. If lubricated air is used, it is recommended to use ISOVG32 oil. Once applied the lubrication should

never be interrupted.

CODING EXAMPLE

		1	1	i
RLC	_	41	_	32

		• •		0 -
RLC	SERIES RLC = standard, complete with cartride RLB = cartridge only	ge and housing		
41	CYLINDER SERIES 24 = for Series 24 and 25 41 = for Series 60, 61 and 62		PNEUMATIC SYMBOL RDLK	
32	CYLINDER DIAMETER (mm) 20 = 20 mm 25 = 25 mm 32 = 32 mm 40 = 40 mm 50 = 50 mm 63 = 63 mm 80 = 80 mm 100 = 100 mm 125 = 125 mm			

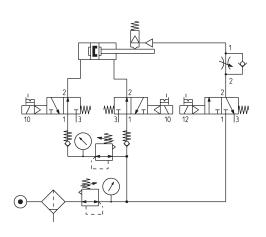


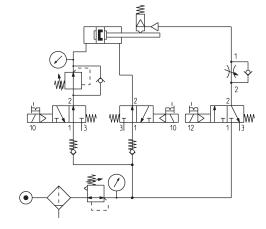
PNEUMATIC SYMBOLS

The pneumatic symbols which have been indicated in the CODING EXAMPLE are shown below.



CONNECTION EXAMPLES



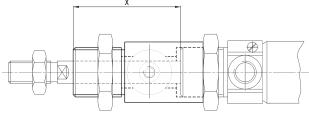


For a correct use of the rod lock Mod. RLC a pneumatic connection is recommended (as shown in the examples).

ROD EXTENSION and HOLDING FORCE



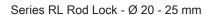
Table showing the rod extensions which are necessary for the rod lock mounting.



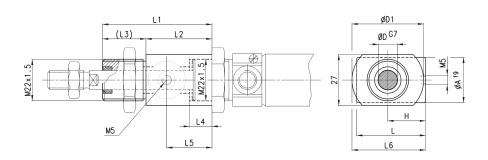
Ø	Rod extension [X] (mm)	Holding force [static load] (N)	
20	+50	300	
25	+48	400	
32	+40	650	
40	+43	1100	
50	+57	1600	
63	+57	2500	
80	+80	4000	
100	+80	6300	
125	+125	8800	

C₹









DIMENSIONS	;											
Mod.	Ø	D	А	D1	Н	L	L1	L2	L3	L4	L5	L6
RLC-24-20	20	8	20	38	21	40	58	35	23	12	24	40
RLC-24-25	25	10	20	38	21	40	58	35	23	12	24	40

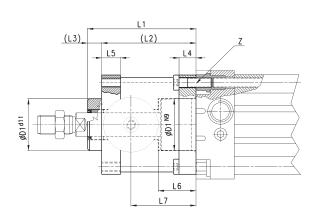


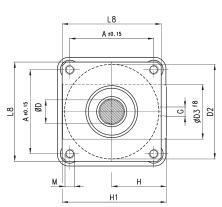
Series RL Rod Lock - Ø 32 ÷ 125 mm

Supplied with:

- 4x screws







DIMENSIONS																			
Mod.	Ø	D	D1	D2	D3	G	L1	L2	L3	L4	L5	L6	L7	L8	Α	M	Н	H1	Z
RLC-41-32	32	12	30,5	35	25	M5	58	48	10	8	13	20,5	34	45	32,5	M6	25,5	46,5	M6X20
RLC-41-40	40	16	35	40	28	G1/8	65	55	10	8	13	22,5	38	50	38	M6	30	53	M6X20
RLC-41-50	50	20	40	50	35	G1/8	82	70	12	15	16	29,5	48	60	46,5	M8	36	64	M8X30
RLC-41-63	63	20	45	60	38	G1/8	82	70	12	15	16	29,5	49,5	70	56,5	M8	40	75	M8X30
RLC-41-80	80	25	45	80	48	G1/8	110	90	20	18	20	35	61	90	72	M10	50	95	M10X35
RLC-41-100	100	25	55	100	58	G1/8	115	100	15	18	20	39	69	105	89	M10	58	110,5	M10X35
RLC-41-125	125	32	60	130	65	G1/8	167	122	45	22	30	51	86,5	140	110	M12	80	150	M12X40