



MİL KİLİTLERİ

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SEMAK[®]MATIC
PNEUMATIC EQUIPMENTS

ROD LOCKS for ISO 15552 CYLINDERS



ROD LOCK for ISO 6432 CYLINDERS

SEMAKMATIC serie rod lock units are suitable for ISO 15552 and ISO 6432 serie of cylinders. There are 8 different models with are Ø 20 , 25 mm for ISO 6432 and Ø 32 , 40 , 50 , 63 , 80 and 100 mm for ISO 15552 cylinders .

The locking unit released by pressured air and activated by spring force .
Min working pressure is 4 bar .

For the perfect result , the cylinder should be ordered with extended rod .
(please see the related page)

The locking force refers to static load , sliding can happen exceeding the max. indicated values.

The locking rod unit must be unclamped only when both chambers of the cylinder are in pressure , otherwise the cylinder rod could move not uniformly and this could cause a damage to the application .

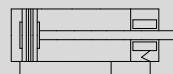


ROD LOCK for ISO 15552 CYLINDERS

CYLINDER BORE (Ø)	LOCKING FORCE (N)
Ø 20	300 N
Ø 25	400 N

CYLINDER BORE (Ø)	LOCKING FORCE (N)
Ø 32	650 N
Ø 40	1100 N
Ø 50	1600 N
Ø 63	2500 N
Ø 80	4000 N
Ø 100	6300 N

ORDERING CODE



SMS . . . / 0000000 RL

ROD LOCK

FLUID : Compressed filtered air with or without lubricating

VERSION : RELEASE with PRESSURED AIR

DIAMETERS : 20 - 25 - 32 – 40 – 50 – 63 – 80 – 100 mm

TEMPERATURES : - 10 °C / + 50 °C

ACTIVATING : With 3/2 way valve

Materials

Body : Anodized aluminium

Jaws : Brass

Seals : NBR

Locking cylinder : Sintered Bronze

Pilot port : 1/8" bspp (M5 for Ø 20 , 25 mm)

SUITABLE CYLINDERS : ISO 6432 , ISO 15552

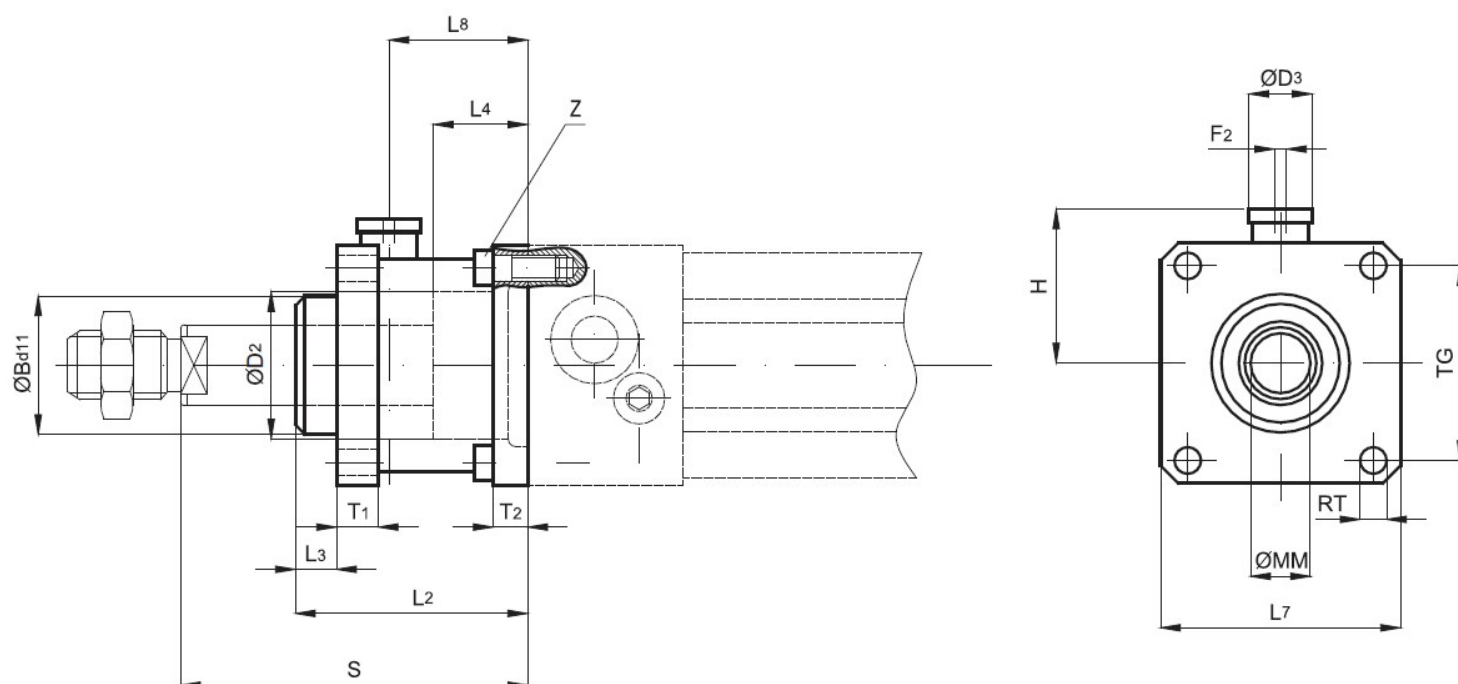
WORKING PRESSURE : Min. 4 bar / Max. 8 bar

Screws : Zinc plated steel

Speciality : Supplied with security screw (brass)

ROD LOCKS for ISO 15552

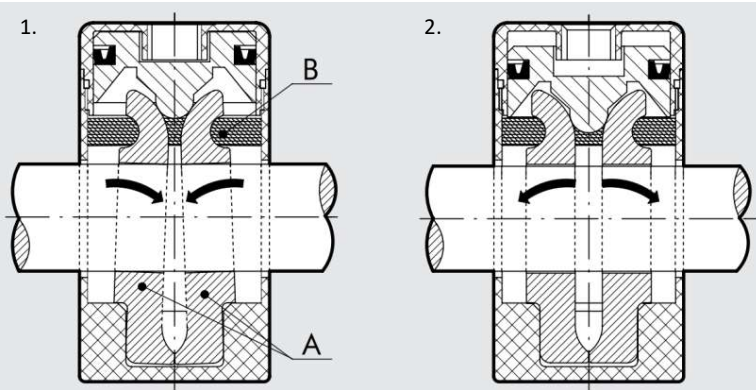
Dimensions of the rod lock unit for iso 15552 cylinder



Ø	Ø B	ØD2	ØD3	F2	H	L2	L3	L4	L7	L8	ØMM	RT	S	T1	T2	TG	Z
32	30	30,5	20	M5	25,5	58	10	20,5	45	31,5	12	M6	74	13	8	32,5	M6x20
40	35	35	24	1/8"	30	65	10	22,5	50	36	16	M6	85	13	8	38	M6x20
50	40	40	30	1/8"	36	82	12	29,5	60	45,5	20	M8	107	16	15	46,5	M8x30
63	45	45	38	1/8"	40	82	12	29,5	70	49,5	20	M8	107	16	15	56,5	M8x30
80	45	45	48	1/8"	50	110	20	35	90	61	25	M10	136	20	18	72	M10x35
100	55	55	48	1/8"	58	115	23	39	105	65	25	M10	143	20	18	89	M10x35

A . Locked cylinder rod
B. Opposite spring force

1. Piston rod is locked
2. Piston rod is unlocked

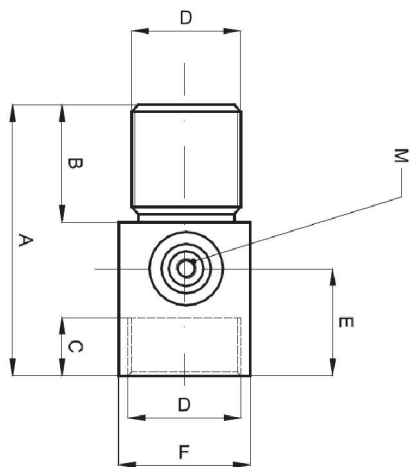
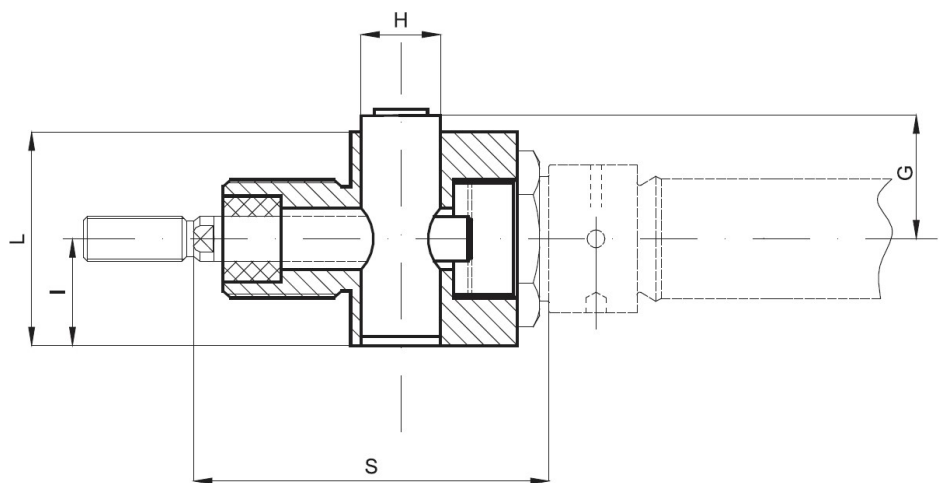


Sample application ..

ISO 15552 cylinder + Rod lock + Fork + Flow control



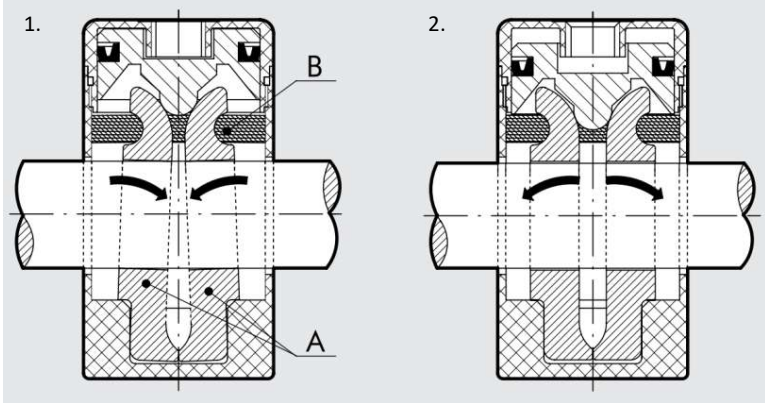
Dimensions of the rod lock unit for iso 15552 cylinder



Ø	A	B	C	E	F	G	H	I	D	L	M	S
20	58	23	12	24	27	21	20	19	M22x1,5	38	M5	72
25	58	23	12	24	27	21	20	19	M22x1,5	38	M5	74

A . Locked cylinder rod
B. Opposite spring force

1. Piston rod is locked
2. Piston rod is unlocked



Sample application ..

ISO 6432 cylinder + Rod lock



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