WI-RDLCK SERİSİ

ROD LOCK

The patented WINMAN ROD LOCK WI-RDCLK Serie, is a machanical device to apply to cylinders ISO 15552 and 6432 VDMA whose scope is that one to block the cylinder's rod, in whichever position.This solution allows to block the race of the cylinder anytime takes nplace an unexpected fall of pressure.The blocking force is always and however greater of that one developed from the respective fed cylinder to 10 bars.

The piston rod can be held in position for long periods even with alternating loads, fluctuating operating pressure or leaks in the system Additional measures are required for use in safety-related applications; in Europe, for example, the standards listed under the EC Machinery Directive must be observed.

Without additional measures in accordance with legally specified minimum requirements, the product is not suitable as a safety relevant component in control systems.

KEY TO TYPE NUMBER

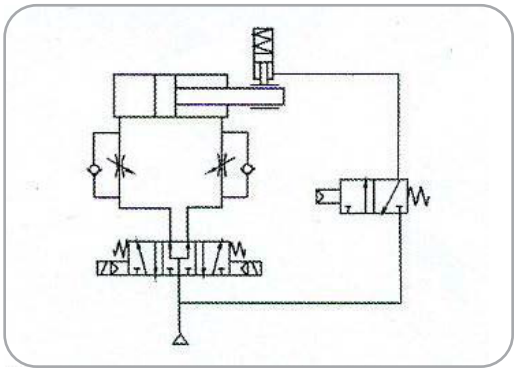
BS 3 0 01 000

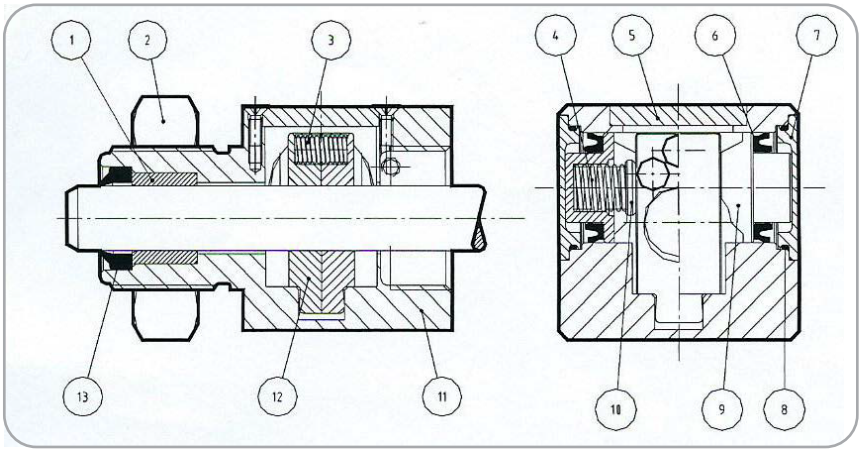
- Ø CYLINDER
- 01=STANDARD
  03=DOUBLE GUIDED
- 0:ISO
  1:NFPA
- 3:FROM SIZE Ø 20 TO Ø 50
  2:FROM SIZE Ø63 TO Ø 125

Fluid	Lubricated or non lubricated air
Operating pressure	3-6 bar
Temperature range	-5C / +80C
Sizes	Ø20-25-32-40-50-63-80-100-125
Type of locking	Mechanical bi-directional
In absence of pressure	Locked
Locking forces	(Ø20=490N) (Ø25=490N) (Ø32=790N) (Ø40=1240N) (Ø50=1930N) (Ø63=3060N) (Ø80=5400N) (Ø100=7700N) (Ø125=12040N)

ATTTENTION

WINMAN Rod Lock's functions are static type (cylinder's rod stopped).
Before to use the brake, take care to stop the cylinder's rod.



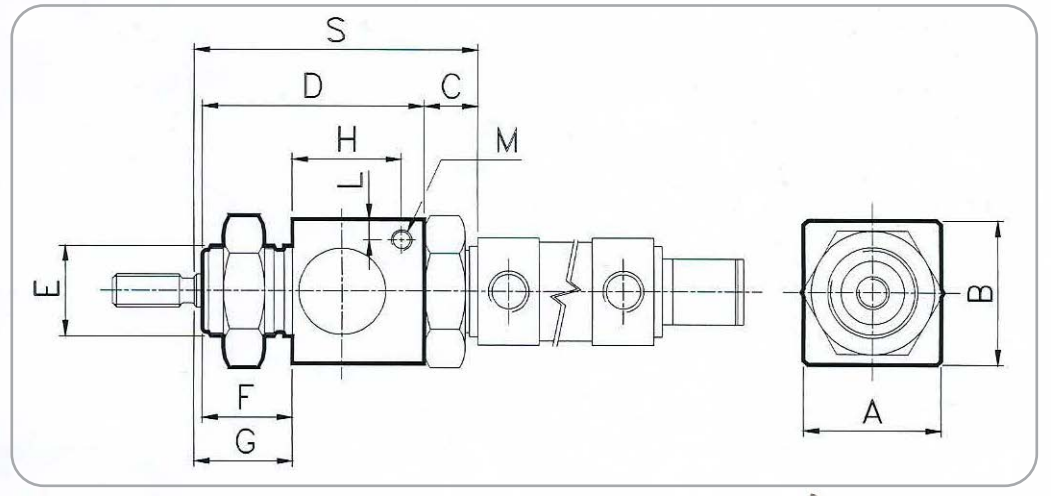


Pos	Denominazione
13	Guarnizione Tergi Asta
12	Paletta Bloccastelo
11	Corpo
10	Pastiglia Guida Molla
9	Pistone
8	O Ring Tenuta Statica Coperchio
7	Coperchio Laterale
6	Guarnizione A Labbro
5	Copperchio Superiore
4	Molla Estens Palette
3	Molla Estens Palette
2	Dado Basso
1	Bussola Guida

WI-RDLCK SERİSİ

ROD LOCK

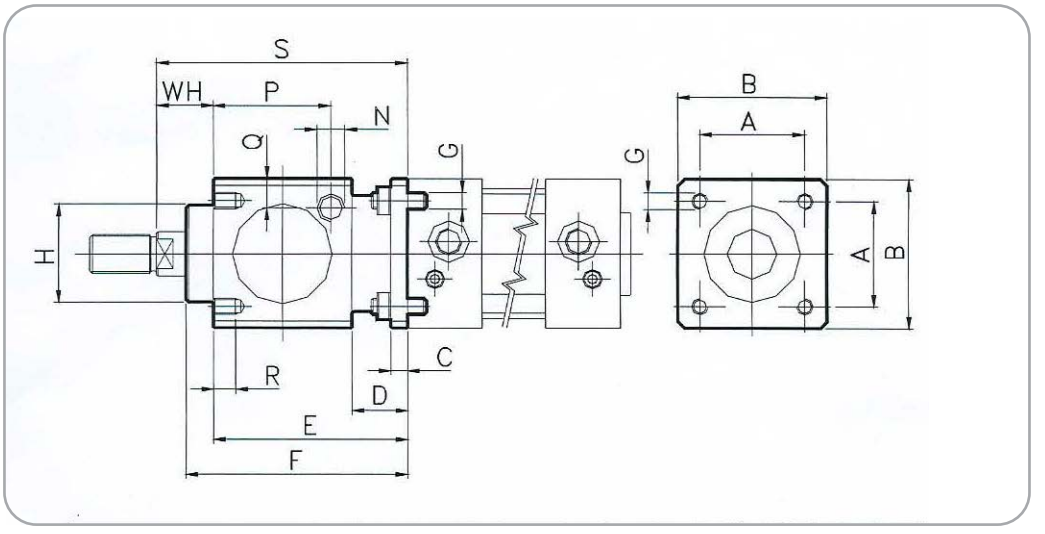
ROD LOCK FOR CYLINDERS ISO 6432



Rod Lock Cylinder Ø	A	B	C	D	E	F	G	H	L	M	S	T	Weight in Kg.
20	34	35	13	54	M22x1.5	22	24	27	5	M5	69	47	0.190
25	34	35	13	54	M22x1.5	22	28	27	5	M5	73	45	0.190

To assembly the rod lock on the cylinder, it is essential to increase the rod lenght, as quoted ın the table of dimension “T”

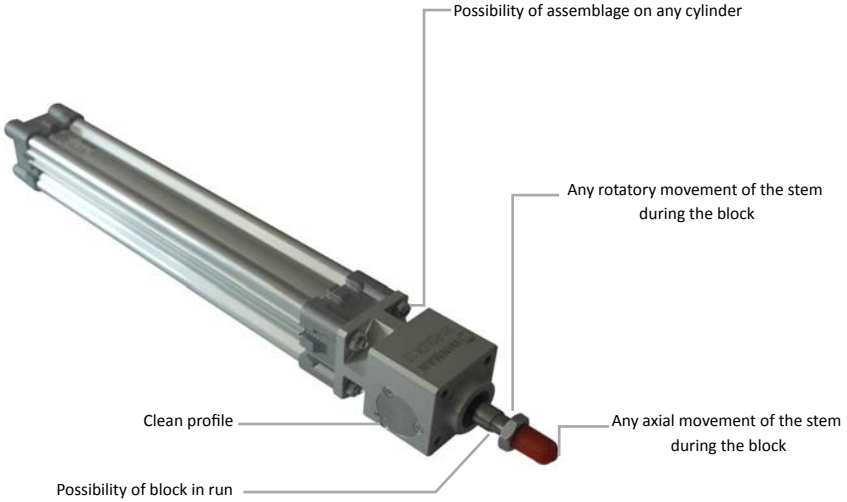
ROD LOCK FOR CYLINDERS ISO 15552



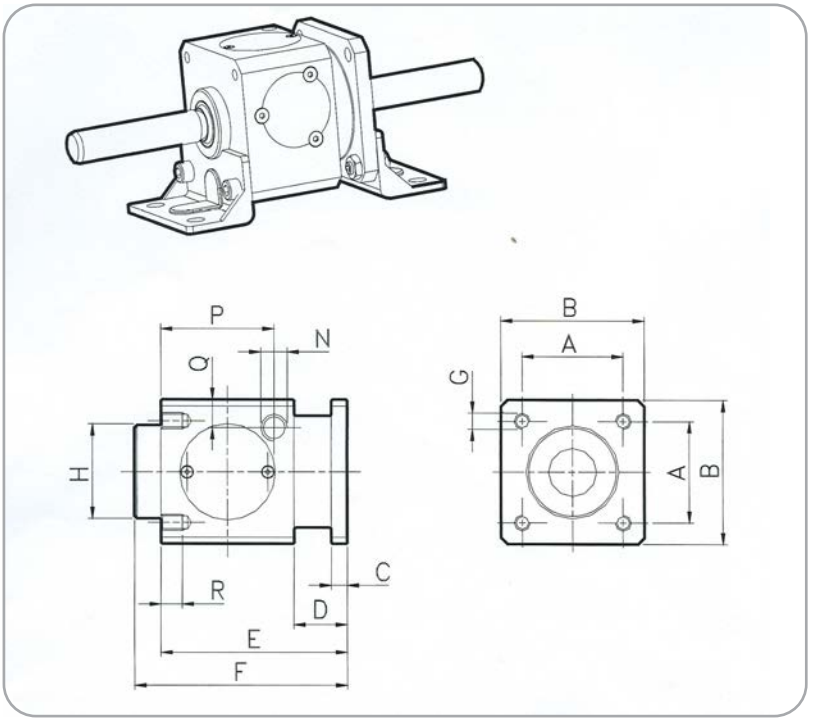
Ø	A	B	C	D	E	F	G	H	WH	N	P	Q	R	S	T	Weight in Kg.
32	32.5	47	6	20	60	67.5	M6	30	26	1/8”G	33.25	9	8	86	60	0.400
40	38	54	6	20	70	80	M6	34.9	30	1/8”G	42.5	9	8	100	70	0.600
50	46.5	65	8	24	90	100	M8	40	37	1/8”G	58	12.5	12	127	90	1.100
63	56.5	75	8	24	90	100	M8	45	37	1/8”G	59	17.5	12	127	90	1.500
80	72	95	12	32	110	120	M10	45	46	1/4”G	69	17.5	16	156	110	2.600
100	89	114	12	32	110	120	M10	55	51	1/4”G	69	20	16	161	110	3.500
125	110	138	20	45	140	156	M12	60	65	1/4”G	84.5	19	20	205	140	6.500

To assembly the rod lock on the cylinder, it is essential to increase the rod lenght, as quoted ın the table of dimension “T”

ROD LOCK WI-RDLCK SERIES



ROD LOCK WITH DOUBLE GUIDE



Ø	A	B	C	D	E	F	G	H	N	P	Q	R	T	Weight in Kg.
32	32.5	47	6	20	60	67,5	M6	30	1/8" G	33.25	9	8	60	0.400
40	38	54	6	20	70	80	M6	34.9	1/8" G	42.5	9	8	70	0.600
50	46.5	65	8	24	90	100	M8	40	1/8" G	58	12.5	12	90	1.100
63	56.5	75	8	24	90	100	M8	45	1/8" G	59	17.5	12	90	1.500
80	72	95	12	32	110	120	M10	45	1/4" G	69	17.5	16	110	2.600
100	89	114	12	32	110	120	M10	55	1/4" G	69	20	16	110	3.500
125	110	138	20	45	140	156	M12	60	1/4" G	84.5	19	20	140	6.500