

# ISO 6432 Miniatur Cylinders (IU)

## Specifications

Bore (mm)	8 • 10 • 12 • 16 20 • 25 • 32 • 40	
Fluid	Air	
Operating pressure	0.5-9.9 kgf/cm <sup>2</sup>	
Temperature	-20~+80°C	
Piston speed	50-750(mm/s)	
Cushion length (mm)	Ø16	22
	Ø20 - Ø25	24
	Ø32	26
	Ø40	30

## Theoretical force

Unit : kg

Bore (mm)	Rod (mm)	Action	Pressed Area (cm <sup>2</sup> )	Operating pressure							
				3	4	5	6	7	8		
8	4	push	0.5	1.5	2	2.5	3	3.5	4		
		pull	0.37	1.1	1.5	1.9	2.2	2.6	3		
10	4	push	0.79	2.4	3.2	4	4.7	5.5	6.3		
		pull	0.66	2	2.6	3.3	4	4.6	5.3		
12	6	push	1.13	3.4	4.5	5.7	6.8	7.9	9		
		pull	0.85	2.6	3.4	4.3	5.1	6	6.8		
16	6	push	2.0	6	8	10	12	14	16		
		pull	1.72	5.2	6.9	8.6	10.3	12	13.8		
20	8	push	3.14	9.4	12.6	15.7	18.8	22	25.1		
		pull	2.64	7.9	10.6	13.2	15.8	18.5	21.1		
25	10	push	4.9	14.7	19.6	24.5	29.4	34.3	39.2		
		pull	4.11	12.3	16.4	20.6	24.7	28.8	32.9		
32	12	push	8.04	24.1	32.2	40.2	48.2	56.3	64.3		
		pull	6.91	20.7	27.6	34.6	41.5	48.4	55.3		
40	16	push	12.56	37.7	50.2	62.8	75.4	87.9	100.5		
		pull	10.56	31.7	42.2	52.8	63.4	73.9	84.5		

## Mounting Type

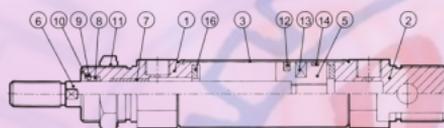
Mounting type	Drawing
CA Standard	
CV Cut type	
FA Head rectangular flange	
FB Cap rectangular flange	
LB End angle flange	
CABK Standard	

Rod end connectors	Drawing	Standard stroke	
		Unit:mm	
Y connector + pin		Stroke	15 25 40 50 60 75 100 125 150 200
		Bore	8 10 12 16 20 25 32 40
pin			
Vertical bearing			
Floating joint			

## Structure and Parts list

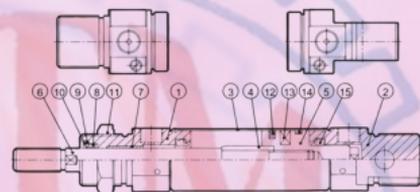
Double acting cylinders (IU-A)

• no cushion



Item	Part name	Qty.
①	Rod cover	1
②	Head cover	1
③	Tube	1
④	Cushion black	1

• With cushion



Item	Part name	Qty.	Item	Part name	Qty.
⑤	Piston	1	⑨	Dust seal	1
⑥	Rod	1	⑩	Shap ring	1
⑦	Bearing	1	⑪	Rod nut	1
⑧	Rod seal	1	⑫	Piston packing	1
			⑬	Magnet	1
			⑭	Piston Wearing	1
			⑮	Cushion packing	2
			⑯	Cushion pu	2