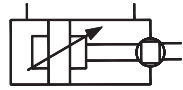


A23H - Magnetic



A24H - Non-magnetic

AIR CYLINDER

Series A23H, A24H

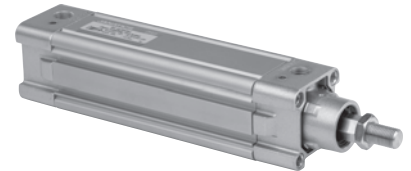
Cat No A23H, A24H - 01 - 01 - A

NON ROTATING ROD CYLINDER - Double Acting Cylinders (Square type) Ø32 - 63 mm

As per ISO 15552 / VDMA 24562 standards

Features

- Hexagonal piston rod for non rotation
- Adjustable cushioning at both ends with elastomer pads
- Wide varieties of mountings as per ISO 15552 / VDMA 24562 standards
- Magnetic and Non magnetic version
- Aluminium profile (square) cylinder barrel
- Magnetic sensor common for all sizes (Refer Magnetic sensor catalogue)
- Piston rod - Non rusting stainless steel material



Technical Specifications

Cylinder bore Ø	(mm)	32	40	50	63
Cushion stroke	(mm)	21	23	23	23
Non rotating accuracy		± 0.65°		± 0.5°	
Allowable rotating torque	Nm max.	0.25	0.45	0.64	
Standard strokes *	(mm)	25, 50, 80, 100, 125, 160, 200, 250, 300, 320, 400, 500			
Medium		Compressed air - filtered - lubricated			
Working pressure		0.5 to 10 bar			
Ambient temperature		-10° to +60° C			
Medium temperature		+5° to +50° C			
Materials of construction		Aluminium, Brass, Nitrile, Steel, Acetal, Polyurethane, SS			
Mountings		Foot mounting, Front flange, Rear flange, Male clevis, Male clevis (with spherical bearing), Female clevis, Female clevis (King pin), Front trunnion, Rear trunnion, Centre trunnion			
Accessories		Clevis foot bracket, Clevis foot bracket (spherical), Wall mounting bracket, Trunnion bracket, Rod end fork, Rod end aligner, Rod end spherical eye			

* For Non standard or longer stroke cylinders, contact your regional dealer or **JANATICS**

Note: For details of Cylinder Mountings and Accessories, refer Product catalogue **Series A23, A24** (Page no. 1.4.1) and Magnetic sensor, refer catalogue **Series AM4** (Page no. 1a.1.1)

Output force (force in N : 1N = 0.1 kgf)

Cylinder bore Ø (in mm)	Rod size (Hex) (in mm)		Working pressure in bar								
			2	3	4	5	6	7	8	9	10
32	12	Extend	145	217	289	362	434	507	579	651	724
		Retract	122	183	244	306	367	428	489	550	610
40	14	Extend	226	339	452	565	678	792	905	1018	1130
		Retract	195	293	391	489	587	685	782	880	978
50	19	Extend	353	530	706	884	1060	1237	1414	1590	1767
		Retract	297	445	594	742	890	1040	1188	1336	1485
63	19	Extend	561	842	1122	1403	1683	1964	2244	2525	2805
		Retract	505	757	1009	1262	1514	1766	2018	2270	2523

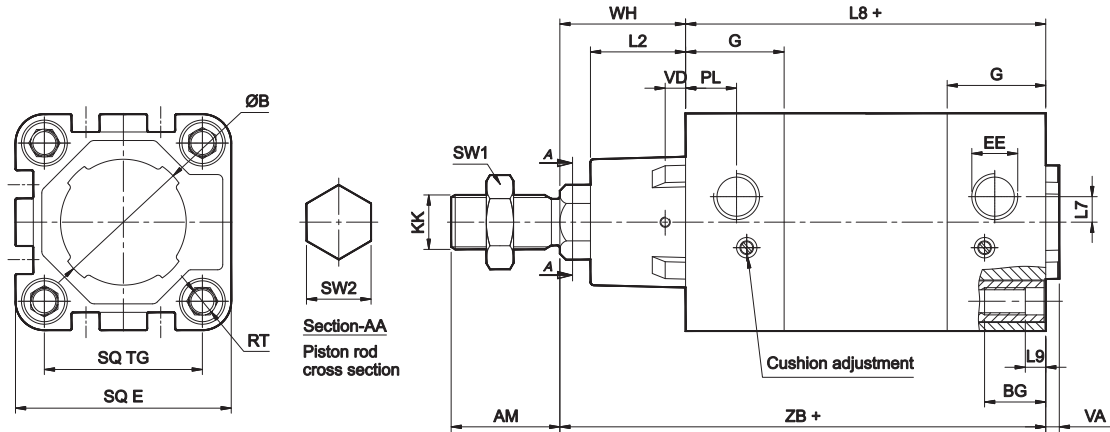
(Above values have been worked out taking frictional loss into consideration)

AIR CYLINDER

Series A23H, A24H

Cat No A23H, A24H - 01 - 01 - A

Basic cylinder



Cylinder Bore Ø	KK	AM	SW1	SW2	B e11	VD	VA	L2	E max	G	TG	RT	BG min	EE	PL	L7	WH	ToI	ZB	ToI	L8	ToI	L9	Stroke tol	+ Add stroke	
																									ToI	ToI
32	M10x1.25	22	17	12	30	6	4	18.5	45	25.5	32.5	M6	16	G1/8	13	5	26	±1.8	120	±1.2	94	±0.6	5	+2 0		
40	M12x1.25	24	19	14	35	6.5	4	20.5	51	29	38	M6	16	G1/4	14.5	5	30	±1.7	135		105	±0.7	5			
50	M16x1.5	32	24	19	40	6.5	4	28	64	29	46.5	M8	16	G1/4	15	7.5	37	±1.7	143		106		6			
63	M16x1.5	32	24	19	45	6.5	4	27	74	35	56.5	M8	16	G3/8	17	10	37	±1.7	158		121	±0.9	6			+2.5 0

@ - T Groove for magnetic sensor, Refer catalogue series AM4

How to order

A		24		H		040		050		D	
Model		Hex. Piston Rod		Piston Ø (mm)		Stroke (mm)		Mountings			
23	Magnetic cylinder	H	- Hex. Piston Rod	032	- Ø 32	025	- 25	L	- Foot Mounting		
24	Standard cylinder			040	- Ø 40	050	- 50	F	- Front Flange		
				050	- Ø 50	080	- 80	R	- Rear Flange		
				063	- Ø 63	100	- 100	S	- Male Clevis		
						125	- 125	G	- Male Clevis (with spherical bearing)		
						160	- 160	D	- Female Clevis		
						200	- 200	K	- Female Clevis (King pin)		
						250	- 250	M	- Rear Trunnion		
						300	- 300	N	- Front Trunnion		
						320	- 320	T	- Centre Trunnion		
						400	- 400				
						500	- 500				

Note
For details of Accessories for Magnetic sensor, refer product catalogue **Series AM4 (Page no. 1a.1.1)**

Example:

Ordering no. for non rotating cylinder basic with 40 dia bore, 50 mm stroke with female clevis: **A24H 040 050 D**

Note:

If ordered as 40 dia, 50mm stroke, non rotating cylinder basic **A24H 040 050** will be supplied.
For repeat order when the details are taken from cylinder nameplate, mention the mounting style separately.