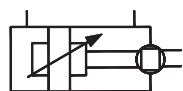


A23H - Magnetic



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

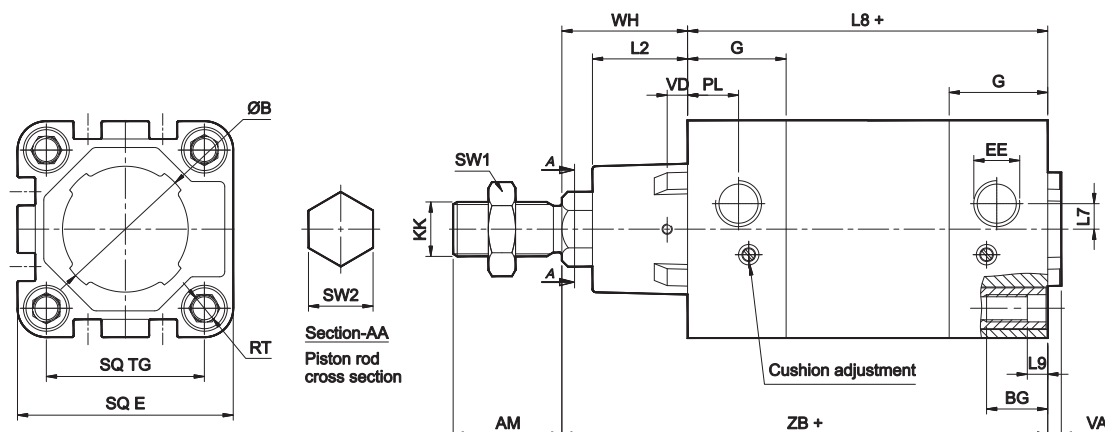
(Above values have been worked out taking frictional loss into consideration)

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	Tol	ZB	Tol	L8	Tol	L9	Stroke tol
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

+ Add stroke

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

How to order

A

24

Model

23

Magnetic cylinder

24

Standard cylinder

H

Hex. Piston Rod

H

- Hex. Piston Rod

040

Piston Ø (mm)

032

- Ø 32

040

- Ø 40

050

- Ø 50

063

- Ø 63

050

Stroke (mm)

025

- 25

050

- 50

080

- 80

100

- 100

125

- 125

160

- 160

200

- 200

250

- 250

300

- 300

320

- 320

400

- 400

500

- 500

D

Mountings

L

- Foot Mounting

F

- Front Flange

R

- Rear Flange

S

- Male Clevis

G

- Male Clevis

(with spherical bearing)

D

- Female Clevis

K

- Female Clevis

(King pin)

M

- Rear Trunnion

N

- Front Trunnion

T

- Centre Trunnion

Note

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

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.