

Series AXRK

Non-Rotating Piston Rod Direct Mounting type

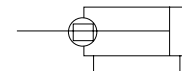
Bore Size(mm) : ϕ 20, ϕ 25, ϕ 32, ϕ 40



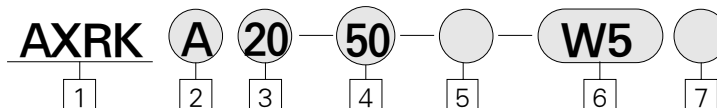
- DIRECT MOUNT CYLINDER
- HIGH ANTI-ROTATING ACCURACY
- SPACE SAVING CYLINDER
- SQUARE ROD COVER MAKES DIRECT MOUNTING POSSIBLE

Symbol

Double acting/Single rod
Non-rotating Piston rod



How to Order



- 1 Type**
Non-Rotating/
Direct Pivot
- 2 Mounting**
A : Rear Pilot mounting
B : Front Face mounting
- 3 Bore Size(mm)**
20 : ϕ 20
25 : ϕ 25
32 : ϕ 32
40 : ϕ 40
- 4 Stroke/mm**
※ For Stroke Refer to Page A-105.
- 5 Special Options**
Blank : Standard type
XC16 : Copper-free

- 6 Applicable Auto Switch Reed Switch**
(Band mounted type)
<Grommet>
Blank : Without Auto Switch
W5 : W5
Standard Lead Length 0.5m
(Up to 3m Optional)
- 7 Number of Switches**
Blank : 2 pcs.
S : 1 pc.
n : n pcs.

PART No. of Auto Switch Mounting Band

Auto Switch Model	Bore size(mm)			
	ϕ 20	ϕ 25	ϕ 32	ϕ 40
W5	TBM2-020	TBM2-025	TBM2-032	TBM2-040

Specifications

Action	Double acting single rod
Fluid	Air
Proof Pressure	15kgf/cm ² {1.5MPa}
Max. Operating Pressure	9.9kgf/cm ² {1.0MPa}
Min. Operating Pressure	0.5kgf/cm ² {0.05MPa}
Ambient and Fluid Temperature	5~60℃
Cushion	Rubber Cushion (Standard)
Stroke Tolerance	$^{+1.4}_0$ mm
Non-Rotating Accuracy	φ20, φ25:±0.8°, φ32, φ40:±5°
Mounting	Rear Pivot Mounting, Front Face mounting

Piston Speed

Bore Size(mm)	φ20	φ25	φ32	φ40
Piston Speed	50~750 mm/sec			
Allowable Kinetic Energy(kgf/cm)	2.7	4	6.5	12

Standard Stroke

Bore Size(mm)	Standard Stroke(mm)
φ20	25, 50, 75, 100, 125, 150
φ25	25, 50, 75, 100, 125, 150, 200
φ32	25, 50, 75, 100, 125, 150, 200
φ40	25, 50, 75, 100, 125, 150, 200, 250, 300

Auto Switch Specifications

Mounting	Lead Wire Entry	Reed Switch
Band Mounting Type	Grommet	W5

Mounting and Accessories

Accessories	Standard	Option	
	Rod End Nut	Single Knuckle Joint	Double Knuckle Joint
Mounting			
Rear Pivot Mounting	●	●	●
Front Nose Mounting	●	●	●

Weight Table

(kgf)

Bore Size(mm)		φ20	φ25	φ32	φ40
Basic Weight	Rear Pivot Mounting	0.14	0.23	0.32	0.63
	Front Nose Mounting	0.14	0.22	0.32	0.62
Additional weight for each 50 of stroke		0.04	0.07	0.09	0.14

ACP

UACP

AX

AS

AM

AL
ALX

UARD

UAQ

AJ

AG

UAG

ADM

ADR

AMR

UAMR

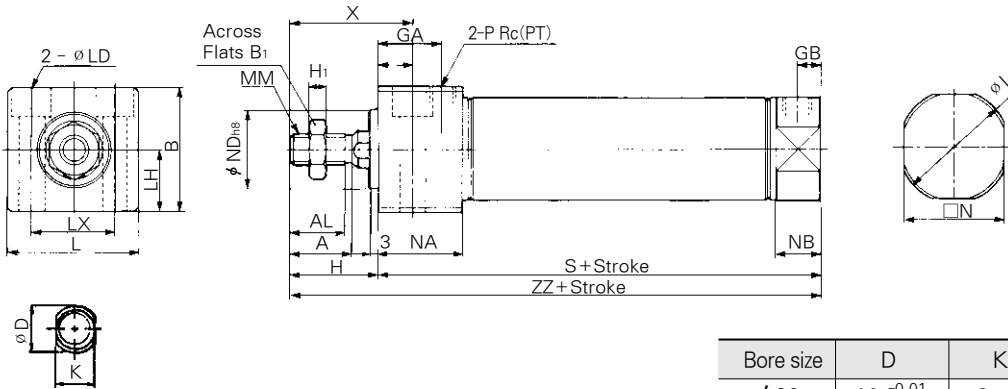
AST

W~

Series AXRK

Rear Pilot Mounting

AXRKA **Bore Size** **Stroke**



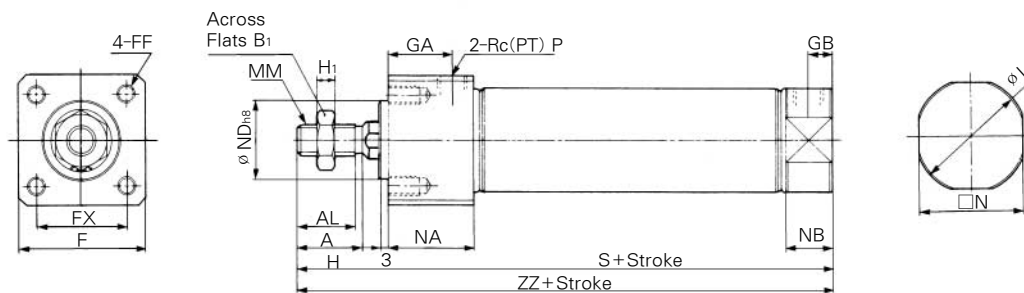
Rod Cross Section

Bore size	D	K	Stroke range
φ 20	10 ^{-0.01/-0.05}	8 ^{-0.01/-0.05}	~150
φ 25	10 ^{-0.01/-0.05}	8 ^{-0.01/-0.05}	~200
φ 32	12 ^{-0.01/-0.05}	10 ^{-0.01/-0.05}	~200
φ 40	16 ^{-0.01/-0.05}	14 ^{-0.01/-0.05}	~300

Bore size	A	AL	B	B ₁	GA	GB	H	H ₁	I	L	LD	LH	LX	MM	N	NA	NB	ND	P	S	X	Y	ZZ
φ 20	18	15.5	30.3	13	22	8	27	5	27	33.5	#5.5, #9.5C-BORE Dp6.5	15	21	M8×1.25	24	29	15	20 ^{-0/-0.033}	1/8	76	39	12	103
φ 25	22	19.5	36.3	17	22	8	31	6	33	39	#6.6, #11C-BORE Dp7.5	18	25	M8×1.25	30	29	15	26 ^{-0/-0.033}	1/8	76	43	12	107
φ 32	22	19.5	42.3	17	22	8	31	6	37.5	47	#9, #14C-BORE Dp10	21	30	M10×1.25	34.5	29	15	26 ^{-0/-0.033}	1/8	78	43	12	109
φ 40	24	21	52.3	22	27	11	34	8	46.5	58.5	#11, #17.5C-BORE Dp12.5	26	38	M14×1.5	42.5	37.5	21.5	32 ^{-0/-0.039}	1/4	104	49	15	138

Front Face Mounting

AXRKB **Bore Size** **Stroke**



Rod Cross Section

Bore size	D	K	Stroke range
φ 20	10 ^{-0.01/-0.05}	8 ^{-0.01/-0.05}	~150
φ 25	10 ^{-0.01/-0.05}	8 ^{-0.01/-0.05}	~200
φ 32	12 ^{-0.01/-0.05}	10 ^{-0.01/-0.05}	~200
φ 40	16 ^{-0.01/-0.05}	14 ^{-0.01/-0.05}	~300

Bore size	A	AL	B ₁	F	FF	FX	GA	GB	H	H ₁	I	MM	N	NA	NB	ND	P	S	ZZ
φ 20	18	15.5	13	30.4	M5×0.8Dp9	22	22	8	27	5	27	M8×1.25	24	29	15	20 ^{-0/-0.033}	1/8	76	103
φ 25	22	19.5	17	36.4	M6×1Dp11	26	22	8	31	6	33	M8×1.25	30	29	15	26 ^{-0/-0.033}	1/8	76	107
φ 32	22	19.5	17	42.4	M6×1Dp11	30	22	8	31	6	37.5	M10×1.25	34.5	29	15	26 ^{-0/-0.033}	1/8	78	109
φ 40	24	21	22	52.4	M8×1.25Dp14	36	27	11	34	8	46.5	M14×1.5	42.5	37.5	21.5	32 ^{-0/-0.039}	1/4	104	138