

# Air Cylinder Series AX

**Bore Size:**  $\phi 20$ ,  $\phi 25$ ,  $\phi 32$ ,  $\phi 40$



- Long life
- Low breakaway
- Numerous mounting options
- Designed for non-lubricated service

Action	Series	Bore Size (mm)	Port Size Rc(PT)	Standard Stroke(mm) <sup>*1</sup>		Operating Pressure kgf/cm <sup>2</sup> (psi)
				Standard	Max. Stroke	
Double Acting/Single Rod 	AX	$\phi 20$	1/8	25, 50, 75, 100, 125, 150, 200, 250, 300	1,000	0.5~9.9(7~140)
		$\phi 25$				
		$\phi 32$				
		$\phi 40$				
Double Acting/Double Rod 	AXW	$\phi 20$	1/8	25, 50, 75, 100, 125, 150, 200, 250, 300	1,000	0.5~9.9(7~140)
		$\phi 25$				
		$\phi 32$				
		$\phi 40$				
Double Acting/Non-Rotating Piston Rod 	AXK	$\phi 20$	1/8	25, 50, 75, 100, 125, 150, 200, 250, 300	1,000	0.5~9.9(7~140)
		$\phi 25$				
		$\phi 32$				
		$\phi 40$				
Double Acting/Direct Mount 	AXR	$\phi 20$	1/8	25, 50, 75, 100, 125, 150	1,000	0.5~9.9(7~140)
		$\phi 25$		25, 50, 75, 100, 125, 150, 200		
		$\phi 32$	25, 50, 75, 100, 125, 150, 200			
		$\phi 40$	25, 50, 75, 100, 125, 150, 200, 250, 300			
Double Acting/Non-Rotating Piston Rod 	AXRK	$\phi 20$	1/8	25, 50, 75, 100, 125, 150, 200, 250, 300	1,000	0.5~9.9(7~140)
		$\phi 25$				
		$\phi 32$				
		$\phi 40$				
Single Acting/Single Rod 	AXS	$\phi 20$	1/8	25, 50, 75, 100, 125, 150,	1,8~9.9(25~140) <sup>*2</sup>	
		$\phi 25$		25, 50, 75, 100, 125, 150, 200		
		$\phi 32$	25, 50, 75, 100, 125, 150, 200, 250			
		$\phi 40$	25, 50, 75, 100, 125, 150, 200, 250			

\*1. Long stroke for double action : 501 mm or more

\*2. In case of spring extended type, min. operating pressure is 2.3 kgf/cm<sup>2</sup>(32psi)

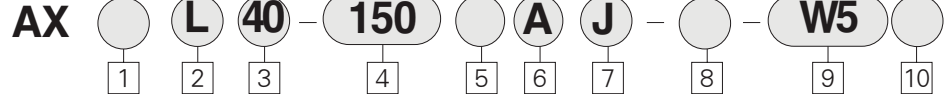
## PART No. of Mounting Bracket

Bore Size(mm)	$\phi 20$	$\phi 25$	$\phi 32$	$\phi 40$
※ Axial foot	TCM-L020B	TCM-L032B	TCM-L040B	
Flange	TCM-F020B	TCM-F032B	TCM-F040B	
Single Clevis	TCM-C020B	TCM-C032B	TCM-C040B	
Double Clevis	TCM-D020B	TCM-D032B	TCM-D040B	
Trunnion(With nut)	TCM-T020B	TCM-T032B	TCM-T040B	

※ 2 pcs. Required Per Cylinder

## PART No. of Auto Switch Mounting Band

Auto Switch Model	Bore Size(mm)			
	$\phi 20$	$\phi 25$	$\phi 32$	$\phi 40$
W5	TBM2-020	TBM2-025	TBM2-032	TBM2-040



### 1 Series

Blank: Double Acting/Single Rod  
 W : Double Acting/Double Rod  
 K : Non-Rotating Piston Rod Type  
 R : Direct Mounting Type

### 2 Mounting

B : Basic Type  
 L : Axial Foot Type  
 F : Rod Side Flange Type  
 G : Head Side Flange Type  
 C : Single Clevis Type  
 D : Double Clevis Type  
 T : Head Side Trunnion Type  
 U : Rod Side Trunnion Type  
 E : Integrated Clevis Type  
 BZ : Boss-Cut Basic Type  
 FZ : Boss-Cut Flange Type  
 UZ : Boss-Cut Trunnion Type

### 3 Bore Size(mm)

20 :  $\phi 20$   
 25 :  $\phi 25$   
 32 :  $\phi 32$   
 40 :  $\phi 40$

### 4 Stroke(mm)

※ Refer to the upside table

### 5 Action

Blank : Double Action  
 S : Single Acting Spring Return  
 T : Single Acting Spring Extended

### 6 Cushion

Blank : Rubber Cushion  
 A : Air Cushion  
 ※ Compact(Boss-cut)type:Rubber Cushion Only

### 7 Rod Boot Option

Blank : Without Boot

J : Nylon Tarpaulin (60°C, 140°F)  
 K : Neoprene Cloth (110°C, 230°F)

※ The Max. Ambient Temperature of Rod Boot Only

### 8 Special Option

Blank : Standard Type  
 XC16 : Copper-Free

### 9 Applicable Auto Switches

(Band Mounted Type)  
 Blank : Without Auto Switch  
 W5 : Reed Switch(Lead Wire of 0.5m)  
 W5L : Reed Switch(Lead Wire of 3m)

### 10 Number of Switches

Blank : 2 pcs.  
 S : 1 pc.  
 # : Enter Required Number of Switches.

## Specifications / Standard Type

Action	Double Acting/Single Rod
Fluid	Air
Proof Pressure	14kgf/cm <sup>2</sup> (200 psi)
Max. Operating Pressure	9.9kgf/cm <sup>2</sup> (140 psi)
Min. Operating Pressure	0.5kgf/cm <sup>2</sup> (7 psi)
Ambient and Fluid Temperature	-10~70 °C (14~160 °F)
Lubrication	None (Non-Lube)
Thread Tolerance	KS 2 Class
Stroke Tolerance	$^{+1.4}_0$ mm

### Order Made Option

- XC 8 : Adjustable Stroke Cylinder / Extension Adjustable Type  
 XC 9 : Adjustable Stroke Cylinder / Retraction Adjustable Type  
 XC10 : Dual Stroke Cylinder / Double Rod Type  
 XC11 : Dual Stroke Cylinder / Single Rod Type  
 XC12 : Tandem Type Air Cylinder

- ACP/UACP
- APM
- AS
- AX
- AM
- AM2
- AL/ALX
- AQ/UAQ
- ADQCP
- AQ2/UADQ2
- AG/UAG
- NGQ/UNGQ
- AJ/AJM
- ABK
- NSK
- GX/AGX
- NDM
- ADR
- AMR/UAMR
- NST
- AST
- ASTH
- NF
- NLCD
- NLCS
- TCRL
- NP
- ARD/UARD
- NR
- ASL
- SB
- SAH
- CR/CV
- CR/CV-AQ2,ADQ2
- CR/CV-AX
- CR/CV-NLCD
- CR/CV-AGL
- DR100
- RS
- DV1000/3000/4000
- DS300
- DS2000