

## ① Adjustable Stroke Cylinder/Extension Adjustable Type

AX (Mounting) (Type) (Bore Size) (Stroke) (Additional Symbol) (Stroke Adjusting Symbol) — XC8

**Additional Symbol ●**  
 Blank-With Boot  
 J-With Boot(Nylon Tarpaulin)  
 K-With Boot(Neoprene Cloth)

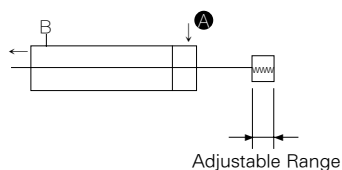
**Stroke Adjusting Symbol ●**  
 A-Stroke Adjusting Range 0~25mm  
 B-Stroke Adjusting Range 0~50mm

The Extended Stroke of the cylinder can be adjusted by the stopper in the head side.

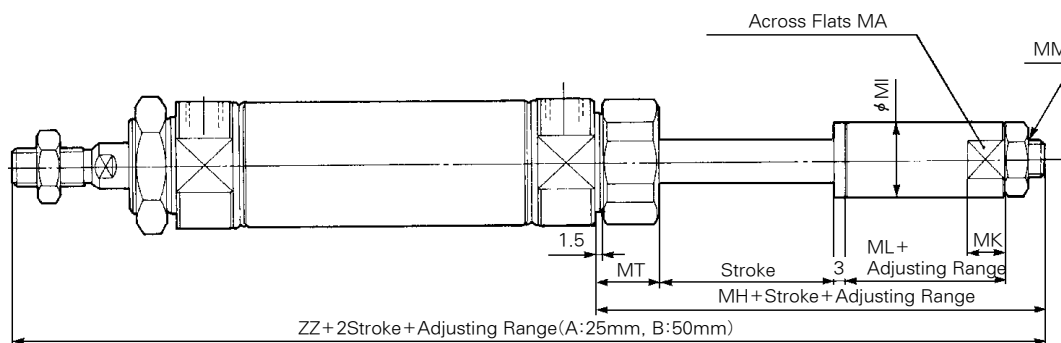
### Specifications

Fluid	Air
Proof Pressure	15kgf/cm <sup>2</sup> (1.5MPa)
Max. Operating Pressure	9.9kgf/cm <sup>2</sup> (1.0MPa)
Min. Operating Pressure	0.5kgf/cm <sup>2</sup> (0.05MPa)
Piston Speed	50~750 mm/sec
Cushion	Rubber Cushion(Standard)
Stroke Adjusting System	Adjusting Stopper
Stroke Adjusting Range	A : 0~25mm, B : 0~50mm
Mounting	Basic Type, Axial Foot Type, Rod Side Flange Type, Head Side Flange Type, Rod Side Trunnion Type
Applicable Bore Size(mm)	φ 20, φ 25, φ 32, φ 40

### Symbol



### Construction, Dimensions/Basic Type



(Unit: mm)

Bore Size	MA	MK	MI	MM	MT	MH	ML	ZZ
φ 20	12	8	15	M8×1.25	16.5	47	18	150
φ 25	17	10	20	M10×1.25	17.5	49	18	156
φ 32	17	10	20	M10×1.25	17.5	49	18	158
φ 40	22	12	25	M14×1.5	21.5	60	22	198

※ Other dimensions are the same as for standard type.

ACP

UACP

AX

AS

AM

AL  
ALX

UARD

UAQ

AJ

AG

UAG

ADM

ADR

AMR

UAMR

AST

W~

# Series AX

## ② Adjustable Stroke Cylinder/Retraction Adjustable Type

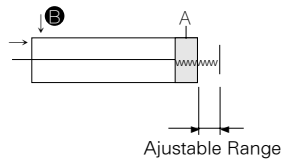
AX (Mounting) (Type) (Bore Size) (Stroke) (Additional Symbol) (Stroke Adjusting Symbol) — XC9

**Additional symbol** ●  
 Blank-Without Boot  
 J-With Boot(Nylon tarpaulin)  
 K-With Boot(Neoprene cloth)

**Stroke Adjusting Symbol** ●  
 A-Stroke Adjusting Range 0~25mm  
 B-Stroke Adjusting Range 0~50mm

The Retracted Stroke of the cylinder can be adjusted from (0~25)mm or (0~50)mm by the adjusting bolt

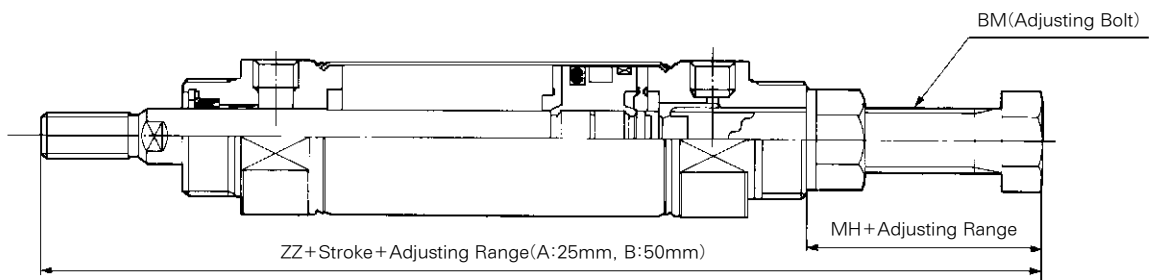
### Symbol



### Specifications

Fluid	Air
Proof Pressure	15kgf/cm <sup>2</sup> (1.5MPa)
Max. Operating Pressure	9.9kgf/cm <sup>2</sup> (1.0MPa)
Min. Operating Pressure	0.5kgf/cm <sup>2</sup> (0.05MPa)
Piston Speed	50~750mm/sec
Cushion	Rubber cushion(Standard)
Stroke Adjusting System	Stopper adjustment
Stroke Adjusting Range	A : 0~25mm, B : 0~50mm
Mounting	Basic Type, Axial Foot Type, Rod Side Flange Type, Head Side Flange Type, Rod Side Trunnion Type, Head Side Trunnion Type
Applicable Bore Size(mm)	φ 20, φ 25, φ 32, φ 40
Stroke Range	~300 mm

## Construction, Dimensions/Basic Type



(Unit : mm)

Bore Size	BM	MH	ZZ
φ 20	M8×1.25	20	136
φ 25	M8×1.25	20	140
φ 32	M8×1.25	20	142
φ 40	M12×1.75	24	178

※ Other dimensions are the same as for standard type.

③ Dual Stroke Cylinder/Single Rod Type

AX (Mounting) (Type) (Bore Size) (Stroke A) (Additional Symbol) + (Stroke B) (Additional Symbol) -XC10

Additional symbol ●  
 Blank-With Boot  
 J-With Boot(Nylon tarpaulin)  
 K-With Boot(Neoprene cloth)

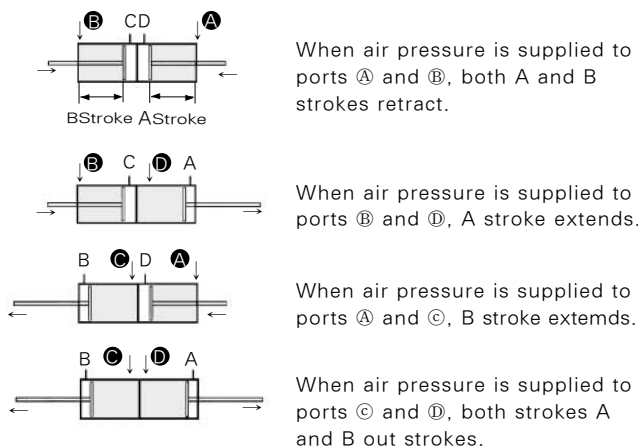
Two cylinders are constructed as one cylinder in a back-to-back configuration allowing the cylinder stroke to be controlled in three steps.

Specifications

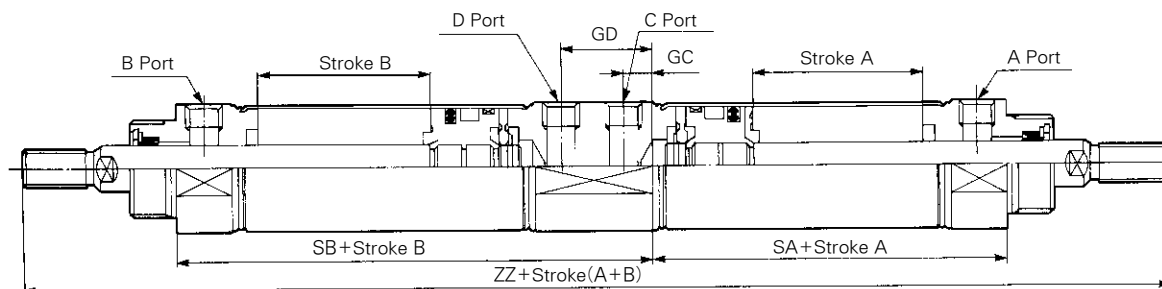
Type	Non-lube
Fluid	Air
Proof Pressure	15kgf/cm <sup>2</sup> (1.5MPa)
Max. Operating Pressure	9.9kgf/cm <sup>2</sup> (1.0MPa)
Min. Operating Pressure	0.5kgf/cm <sup>2</sup> (0.05MPa)
Piston Speed	50~750 mm/sec
Cushion	Rubber cushion(Standard)
Mounting	Basic type, Foot type, Flange type
Applicable Bore Size(mm)	φ20, φ25, φ32, φ40
Stroke A, B	~300 mm

Symbol

Function



Construction, Dimensions/Basic Type



(Unit : mm)

Bore Size	GC	GD	SA	SB	ZZ
φ20	7	24	47	78	207
φ25	7	24	47	78	215
φ32	7	24	49	80	219
φ40	10.5	33.5	66.5	110.5	277

※ Other dimensions are the same as for standard type.

- ACP
- UACP
- AX
- AS
- AM
- AL  
ALX
- UARD
- UAQ
- AJ
- AG
- UAG
- ADM
- ADR
- AMR
- UAMR
- AST
- W~

# Series AX

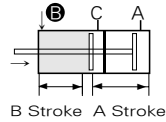
## ④ Dual Stroke Cylinder/Single Rod Type

AX (Mounting) (Type) (Bore Size) (Stroke A) + (Stroke B - A) (Additional Symbol) -XC11

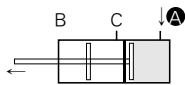
**Additional Symbol** ●  
 Blank-With Boot  
 J-With Boot(Nylon tarpaulin)  
 K-With Boot(Neoprene cloth)

### Symbol

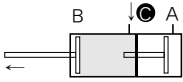
Function



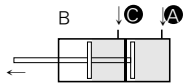
When air pressure is supplied to the ② port, both A and B strokes retract.



When air pressure is supplied to the ① port, the rod extends by A Stroke.



When air pressure is supplied to the ③ port, the rod extends.

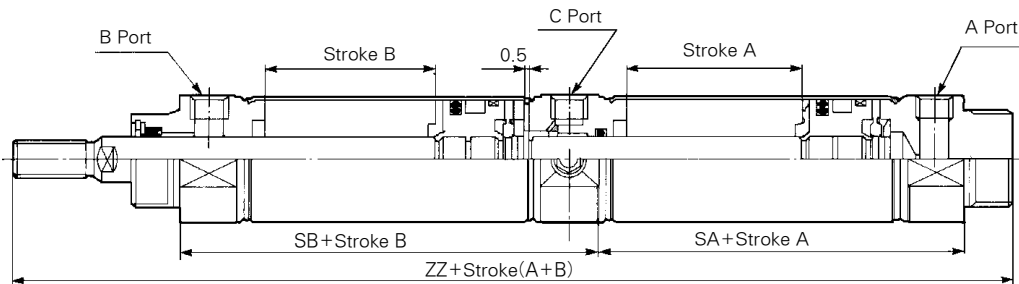


When air pressure is supplied to both ports ① and ③ double output force is obtainable in the range of the A stroke length.

### Specifications

Fluid	Air
Proof Pressure	15kgf/cm <sup>2</sup> (1.5MPa)
Max. Operating Pressure	9.9kgf/cm <sup>2</sup> (1.0MPa)
Min. Operating Pressure	0.5kgf/cm <sup>2</sup> (0.05MPa)
Piston Speed	50~750 mm/sec
Cushion	Rubber Cushion (Standard)
Mounting	Basic Type, Foot Type, Rod Side Flange Type, Head Side Flange type, Single Clevis Type, Double Clevis Type.
Applicable Bore Size(mm)	φ 20, φ 25, φ 32, φ 40
Stroke	~300 mm

### Construction, Dimensions/Basic Type



(Unit : mm)

Bore Size	SA	SB	ZZ
φ 20	48	62	164
φ 25	48	62	168
φ 32	50	64	172
φ 40	67.5	88.5	222

※ Other dimensions are the same as for standard type.

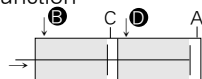
⑤ Tandem Type Air Cylinder

AX **Mounting Type** **Bore Size** **Stroke** - XC12

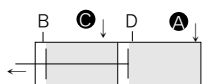
This is a cylinder produced with two air cylinders in line allowing double the output force.

Symbol

Function



When air pressure is supplied to ports B and D, the output force is doubled in the retract stroke.



When air pressure is supplied to ports A and C, the output force is doubled in the extend stroke.

Specifications

Type	Air cylinder
Applicable Bore Size	φ 20, φ 25, φ 32, φ 40
Max. Operating Pressure	9.9kgf/cm <sup>2</sup> (1.0 MPa)
Min. Operating Pressure	0.8kgf/cm <sup>2</sup> (0.08 MPa)
Cushion	Rubber Cushion (Standard)
Action	Double Acting
Mounting	Basic Type, Axial Foot Type, Rod Side Flange Type, Head Side Flange Type, Single Clevis Type, Double Clevis Type

ACP

UACP

AX

AS

AM

AL  
ALX

UARD

UAQ

AJ

AG

UAG

ADM

ADR

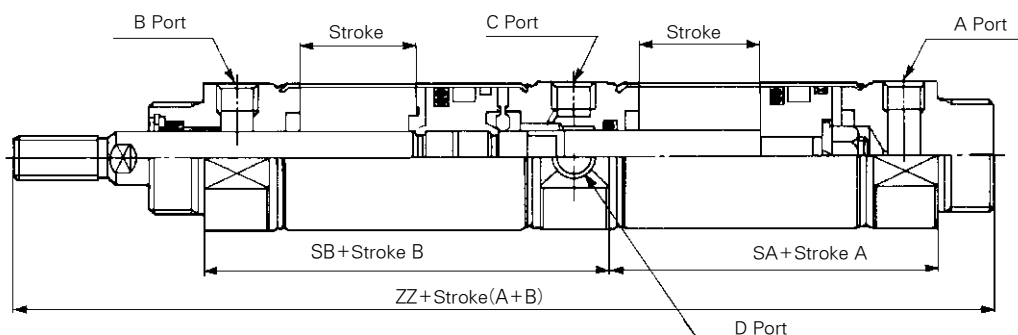
AMR

UAMR

AST

W~

Construction



(Unit : mm)

Bore Size	SA	SB	ZZ
φ 20	48	62	164
φ 25	48	62	168
φ 32	50	64	172
φ 40	67.5	88.5	222

※ Other dimensions are the same as for standard type.