

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)

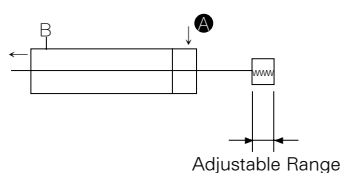
Stroke Adjusting Symbol
 A-Stroke Adjusting Range 0~25mm
 B-Stroke Adjusting Range 0~50mm

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

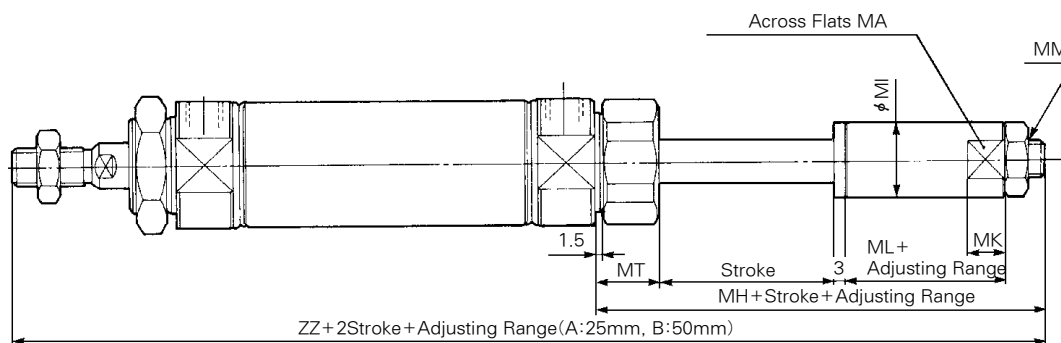
Specifications

Fluid	Air
Proof Pressure	15kgf/cm ² (1.5MPa)
Max. Operating Pressure	9.9kgf/cm ² (1.0MPa)
Min. Operating Pressure	0.5kgf/cm ² (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
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- AL
- ALX
- UARD
- UAQ
- AJ
- AG
- UAG
- ADM
- ADR
- AMR
- UAMR
- AST
- W~

Series AX

② Adjustable Stroke Cylinder/Retraction Adjustable Type

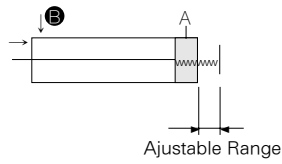
AX (Mounting) (Type) (Bore Size) (Stroke) (Additional Symbol) (Stroke Adjusting Symbol) — XC9

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

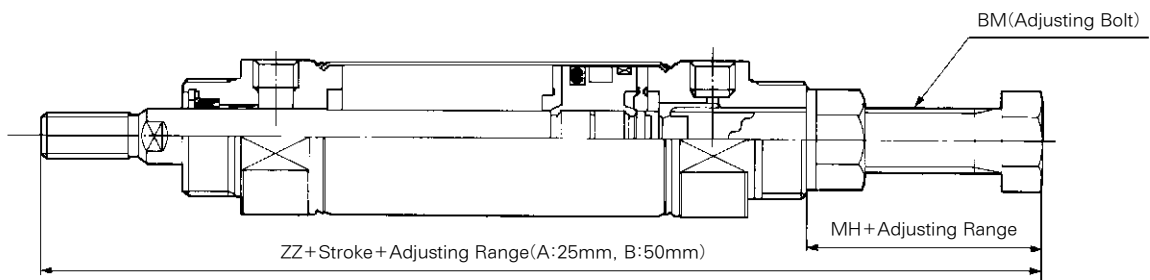
Symbol



Specifications

Fluid	Air
Proof Pressure	15kgf/cm ² (1.5MPa)
Max. Operating Pressure	9.9kgf/cm ² (1.0MPa)
Min. Operating Pressure	0.5kgf/cm ² (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)

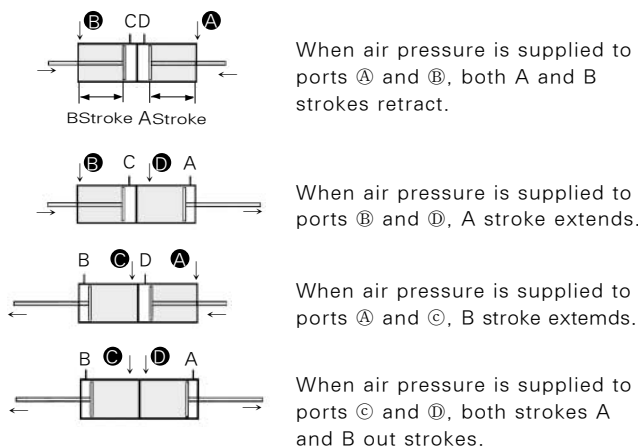
Two cylinders are constructed as one cylinder in a back-to-back configuration allowing the cylinder stroke to be controlled in three steps.

Specifications

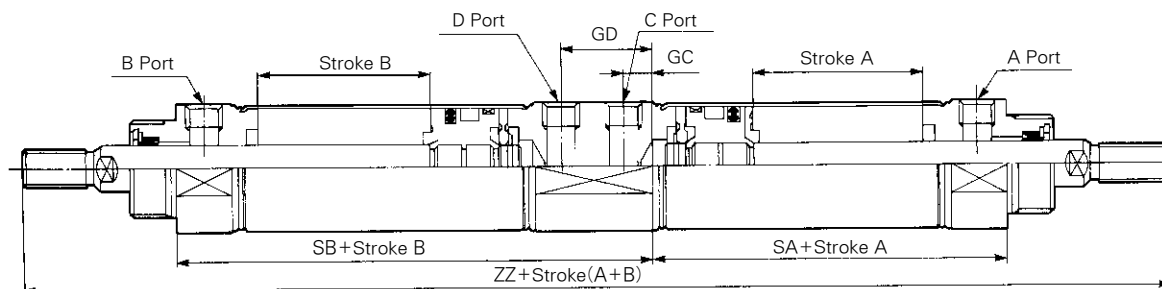
Type	Non-lube
Fluid	Air
Proof Pressure	15kgf/cm ² (1.5MPa)
Max. Operating Pressure	9.9kgf/cm ² (1.0MPa)
Min. Operating Pressure	0.5kgf/cm ² (0.05MPa)
Piston Speed	50~750 mm/sec
Cushion	Rubber cushion(Standard)
Mounting	Basic type, Foot type, Flange type
Applicable Bore Size(mm)	φ20, φ25, φ32, φ40
Stroke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

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Series AX

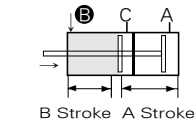
④ Dual Stroke Cylinder/Single Rod Type

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

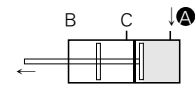
Additional Symbol ●
 Blank-With Boot
 J-With Boot(Nylon tarpaulin)
 K-With Boot(Neoprene cloth)

Symbol

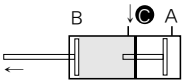
Function



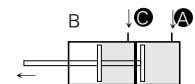
When air pressure is supplied to the ② port, both A and B strokes retract.



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.

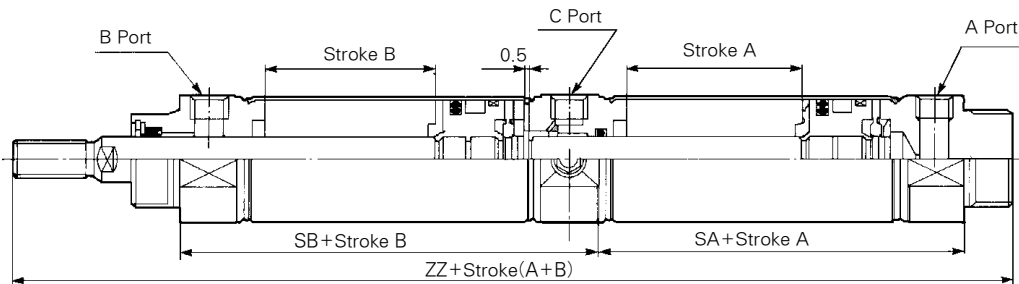


When air pressure is supplied to both ports ① and ③ double output force is obtainable in the range of the A stroke length.

Specifications

Fluid	Air
Proof Pressure	15kgf/cm ² (1.5MPa)
Max. Operating Pressure	9.9kgf/cm ² (1.0MPa)
Min. Operating Pressure	0.5kgf/cm ² (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.

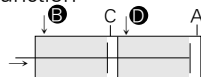
⑤ Tandem Type Air Cylinder

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

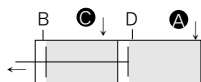
This is a cylinder produced with two air cylinders in line allowing double the output force.

Symbol

Function



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



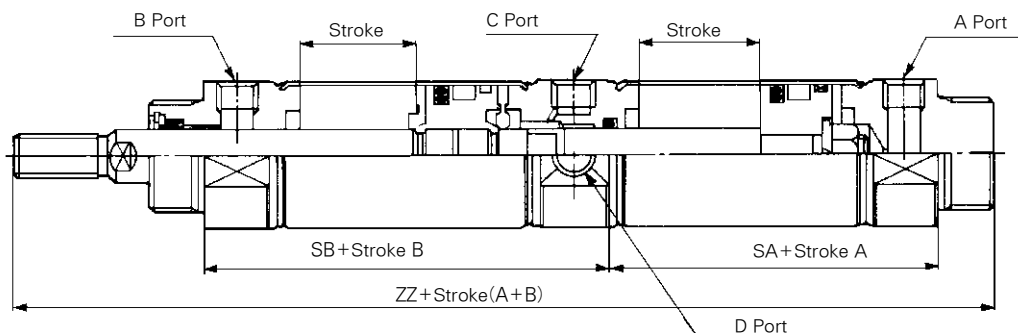
When air pressure is supplied to ports A and C, the output force is doubled in the extend stroke.

Specifications

Type	Air cylinder
Applicable Bore Size	φ 20, φ 25, φ 32, φ 40
Max. Operating Pressure	9.9kgf/cm ² (1.0 MPa)
Min. Operating Pressure	0.8kgf/cm ² (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
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- 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.