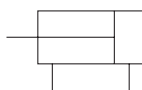


Series C95



JIS Symbol
Double acting



Minimum Stroke for Auto Switch Mounting

Refer to page 6-12-16 for "Minimum Stroke for Auto Switch Mounting".



Made to Order Specifications (For details, refer to page 6-17-19.)

Symbol	Specifications
-XB6	Heat resistant cylinder (150°C)
-XB13	Low speed cylinder (5 to 50 mm/s)
-XC4	With heavy duty scraper
-XC6	Piston rod and rod end nut made of stainless steel
-XC18	NPT finish piping
-XC22	Fluoro rubber seals
-XC35	With coil scraper

Specifications

Bore size (mm)	32	40	50	63	80	100
Action	Double acting					
Fluid	Air					
Proof pressure	1.5 MPa					
Max. operating pressure	1.0 MPa					
Min. operating pressure	0.05 MPa					
Ambient and fluid temperature	Without auto switch: -10 to 70°C (No freezing) With auto switch: -10 to 60°C (No freezing)					
Lubrication	Not required (Non-lube)					
Operating piston speed	50 to 1000 mm/s					
Allowable stroke tolerance	Up to 250: $+1.0_0$, 251 to 1000: $+1.4_0$, 1001 to 1500: $+1.8_0$					
Cushion	Both ends (Air cushion)					
Thread tolerance	JIS Class 2					
Port size	G 1/8	G 1/4	G 1/4	G 3/8	G 3/8	G 1/2
Mounting	Basic style, Axial foot style, Rod side flange style, Head side flange style, Single clevis style, Double clevis style, Center trunnion style					

Standard Stroke

Bore size (mm)	Standard stroke (mm)	Max. * stroke
32	25, 50, 80, 100, 125, 160, 200, 250, 320, 400, 500	700
40	25, 50, 80, 100, 125, 160, 200, 250, 320, 400, 500	800
50	25, 50, 80, 100, 125, 160, 200, 250, 320, 400, 500, 600	1200
63	25, 50, 80, 100, 125, 160, 200, 250, 320, 400, 500, 600	1200
80	25, 50, 80, 100, 125, 160, 200, 250, 320, 400, 500, 600, 700, 800	1400
100	25, 50, 80, 100, 125, 160, 200, 250, 320, 400, 500, 600, 700, 800	1500

Intermediate strokes are available.

* Please consult with SMC for longer strokes.

Accessory

	Mounting	Basic style	Foot style	Rod side flange style	Head side flange style	Single clevis style	Double clevis style	Center trunnion style
Standard	Rod end nut	●	●	●	●	●	●	●
	Clevis pin	—	—	—	—	—	●	—
Option	Single clevis	●	●	●	●	●	●	●
	Double clevis (With pin)	●	●	●	●	●	●	●
	Rod boot	●	●	●	●	●	●	●

Made to Order Common Specifications: -XC18: NPT Finish Piping Port

23 NPT Finish Piping Port

Symbol

-XC18

Air cylinder which piping port Rc threads were changed to NPT threads.

Applicable Series

Series	Description	Model	Action	Note	Vol. no. (for std model)
CM2	Air cylinder	CM2	Double acting, Single rod		6
			Single acting (Spring return/extend)		
	Non-rotating rod type	CM2W	Double acting, Double rod		
		CM2K	Double acting, Single rod		
		CM2KW	Single acting (Spring return/extend)		
CG1	Air cylinder	CG1	Double acting		6
			Single acting (Spring return/extend)		
MB	Air cylinder	MB	Double acting, Single rod		6
		MBW	Double acting, Double rod		
	Non-rotating rod type	MBK	Double acting, Single rod		
	Low friction type	MB□Q	Double acting, Single rod		
MB1	Air cylinder	MB1	Double acting, Single rod		6
		MB1W	Double acting, Double rod		
	Non-rotating rod type	MB1K	Double acting, Single rod		
CS1	Air cylinder	CS1	Double acting, Single rod		6
C95	ISO cylinder	C95S	Double acting, Single rod		6
CU	Free mount cylinder	CU	Double acting, Single rod	Applicable to ø32 only	7
			Single acting (Spring return/extend)	Applicable to ø32 only	
	Non-rotating rod type	CUK	Double acting, Single rod	Applicable to ø32 only	
			Single acting (Spring return/extend)	Applicable to ø32 only	
CQ2	Compact cylinder	CQ2	Double acting, Single rod	Applicable to ø32 to 100	7
			Single acting (Spring return/extend)	Applicable to ø32 to 50	
	Non-rotating rod type	CQ2W	Double acting, Double rod	Applicable to ø32 to 100	
			Double acting, Single rod	Applicable to ø32 to 63	
	Large bore size	CQ2 (125, 140, 160)	Double acting, Single rod		
			Double acting, Double rod		
RSQ	Stopper cylinder	RSQ	Double acting		10
			Double acting with spring type		
			Single acting		
CL	Locked-up cylinder	CL1	Double acting, Single rod	Applicable to ø125 to 160	9
CXW	Slide unit	CXWM	Slide bearing	Applicable to ø25, ø32	8
		CXWL	Ball bushing bearing	Applicable to ø25, ø32	
MGQ	Compact guide cylinder	MGQ	Double acting		8
MGG	Guide cylinder	MGG	Standard type		8
MGC		MGC	Compact type		8
CY1	Magnetic rodless cylinder	CY1B	Basic type		8
		CY1S	Slide bearing		
MY1	Mechanically jointed rodless cylinder	MY1B	Double acting	Applicable to ø25 to 100	8
		MY1M	Double acting	Applicable to ø25 to 63	
		MY1C	Double acting	Applicable to ø25 to 63	
		MY1H	Double acting	Applicable to ø25 to 40	
		MY1HT	Double acting	Applicable to ø50, ø63	
CE2	Stroke reading cylinder	CE2	Double acting, Single rod		10

CJ1

CJP

CJ2

CM2

CG1

MB

MB1

CA2

CS1

C76

C85

C95

CP95

NCM

NCA

D-

-X

20-

Data

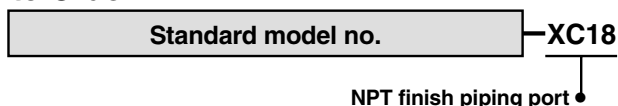
Made to Order Common Specifications: -XC18: NPT Finish Piping Port

23 NPT Finish Piping Port

Symbol

-XC18

How to Order



Specifications: Same as standard type.

Dimensions (Connection port size) (Dimensions other than below are the same as standard type.)

Series CS1

Bore size (mm)	Port size
125	NPT 1/2
140	
160	
180	NPT 3/4
200	
250	
300	NPT 1

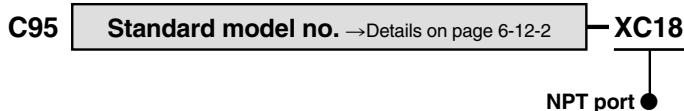
Series MB, Series MB1

Bore size (mm)	Port size
32	NPT 1/2
40, 50	NPT 3/4
63, 80	NPT 3/8
100	NPT 1/2

Series MGG

Bore size (mm)	Port size
20	NPT 1/8
25	
32	
40	
50	NPT 1/4
63	
80	NPT 3/8
100	NPT 1/2

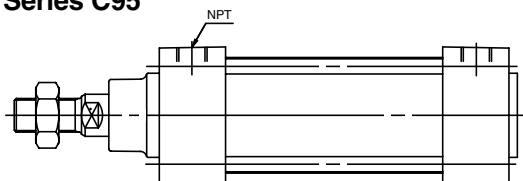
How to Order



Specifications

Applicable cylinder	Air cylinder/Standard
Series	C95
Action	Double acting/Single rod
Bore size(mm)	32, 40, 50, 63, 80, 100
Cushion	Air cushion
Auto switch	Available for mounting
Mounting	Basic, Foot, Flange, Clevis, Trunnion

Series C95



Bore size (mm)	Port size
32	NPT 1/8
40/50	NPT 1/4
63/80	NPT 3/8
100	NPT 1/2