

# Made to Order Common Specifications: -XC3: Special Port Location



## 15 Special Port Location

Symbol  
**-XC3**

Compared with the standard type, a cylinder which changes the connection port location of rod/head cover and the location of cushion valve.

### Applicable Series

Series	Description	Model	Action	Note	Vol. no. (for std model)	
CJ2	Standard type	CJ2-Z	Double acting, Single rod	Except w/ rail mounting type auto switches, w/ air cushion Except w/ rail mounting type auto switches		
	Non-rotating rod type	CJ2K-Z	Double acting, Single rod			
	Smooth cylinder	CJ2Y-Z	Double acting, Single rod			
CM2	Air cylinder	CM2-Z1	Double acting, Single rod			
	Standard type	CM2-Z	Double acting, Single rod			
		CM2W-Z	Double acting, Double rod			
	Air-hydro type	CM2H-Z	Double acting, Single rod			
		CM2K-Z	Double acting, Single rod			
	Non-rotating rod type	CM2K-Z	Double acting, Single rod			
		CM2KW-Z	Double acting, Double rod			
	Direct mount type	CM2R-Z	Double acting, Single rod			Except with air cushion
	Direct mount type, Air-hydro type	CM2HR-Z	Double acting, Single rod			
	Non-rotating rod, Direct mount type	CM2RK-Z	Double acting, Single rod			Except with air cushion
	Smooth cylinder	CM2Y-Z	Double acting, Single rod			
	End lock cylinder	CBM2	Double acting, Single rod			
CG1	Air cylinder	CM2X-Z	Double acting, Single rod			
		CG1-Z1	Double acting, Single rod			
MB	Standard type	MB	Double acting, Single rod			
		MBW	Double acting, Double rod			
		MBK	Double acting, Single rod			
MB1	Non-rotating rod type	MBKW	Double acting, Double rod			
		MB1	Double acting, Single rod			
		MB1W	Double acting, Double rod			
CA2	Standard type	MB1K	Double acting, Single rod			
		CA2	Double acting, Single rod			
		CA2W	Double acting, Double rod			
CS1	Standard type	CBA2	Double acting, Single rod			
		CS1	Double acting, Single rod			
CS2	Low friction type	CS1□Q	Double acting, Single rod			
		CS2	Double acting, Single rod			
RHC	Standard type	CS2Y	Double acting, Single rod	Applicable to ø20 to ø40		
		CS2Y	Double acting, Single rod			
RSQ	High power cylinder	RHC	Double acting, Single rod			
		Stopper cylinder	RSQ-Z			Double acting
			RSQ-Z			Double acting with spring installed
		Stopper cylinder	RSQ*			Single acting
			RSQ*			Double acting
RSG	Stopper cylinder	RSQ*	Double acting with spring installed			
		RSQ*	Single acting			
CL1	Locked up cylinder	CL1	Double acting, Single rod			
CLS	Cylinder with lock	CLS	Double acting, Single rod			
CNA2	Cylinder with lock	CNA2	Double acting, Single rod	Unlocking cams are on the same side as cushion valves.		
MXH	Compact slide	MXH-Z	Double acting			

Web Catalog

\* The RSQ, MB, MB1, and CA2 are the same shape as the current product.

### How to Order

CJ2  
CM2



Special port location

Head port location seen from the rod side  
Rod port location seen from the rod side

Specifications: Same as standard type.

\* For port location, refer to the following diagrams and show the symbols of A, B, C, and D.

### Port Location

Series	Corresponding symbol of mounting bracket (Positional relationships)	
CJ2	<p>Position relation between clevis and port</p>	<p>* Viewed from the rod side, the ports are rendered A, B, C, and D, in the clockwise direction.</p>
CM2	<p>* Viewed from the rod side, the ports are rendered A, B, C, and D, in the clockwise direction.</p>	<p>* Viewed from the rod side, the ports are rendered A, B, C, and D, in the clockwise direction.</p>
CG1	<p>1. Positional relationships between port and cushion valve cannot be changed. 3. The standard product is used for CG1-XC3AA/BB/CC/DD.</p>	<p>2. Cylinder with cushion of CJ2 (CJ2-A) is not available for -XC3.</p>

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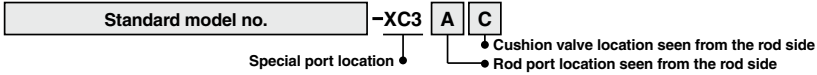


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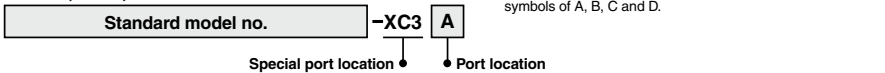
Symbol  
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### How to Order

MB, MB1, CA2, CS1, CS2, CNA2, CL1



RSQ-Z, RSQ, RSG



Specifications: Same as standard type

### Relation between Port Location and Cushion Valve Location

Series	Corresponding symbol of mounting bracket (Positional relationships)						
CA2 CS1 CNA2 CL1	<p><b>Basic type</b></p>	<p><b>Foot type</b></p>	<p><b>Rod side flange type</b></p>	<p><b>Head side flange type</b></p>	<p><b>Single clevis type</b></p>	<p><b>Double clevis type</b></p>	<p><b>Center trunnion type</b></p>
CS2	<p><b>Basic type</b></p>	<p><b>Foot type</b></p>	<p><b>Rod side flange type</b></p>	<p><b>Head side flange type</b></p>	<p><b>Single clevis type</b></p>	<p><b>Double clevis type</b></p>	<p><b>Center trunnion type</b></p>
MB MB1	<p><b>Basic type</b></p>	<p><b>Foot type</b></p>	<p><b>Rod side flange type</b></p>	<p><b>Head side flange type</b></p>	<p><b>Single clevis type</b></p>	<p><b>Double clevis type</b></p>	<p><b>Center trunnion type (Except MB1)</b></p>
RSQ-Z RSQ RSG	<p>In the case of standard type, the symbol for port and rod-chamfered positions are on the same surface and positioned upward. Define the port position at right to be A, and then B, C in a clockwise order.</p> <p><b>Standard type</b>      <b>-XC3A</b>      <b>-XC3B</b>      <b>-XC3C</b></p>						

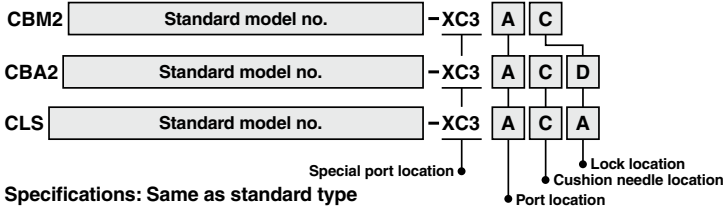
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### How to Order



Specifications: Same as standard type

### Relation between Port Location and Cushion Valve Location

Series	Corresponding symbol of mounting bracket (Positional relationships)	
CBM2	<p>The port and end lock positions can be specified. Rod side port and head side port are at the same location. Symbols of lock position and port location are as the following diagrams.</p> <p>Standard (AD) AC AB</p> <p>Except with air cushion</p>	<p>The figures below show typical symbol examples for the double clevis type.</p> <p>AD CD BD Standard (BA) CA DA</p> <p>Diagrams seen from the rod side</p>
CBA2	<p>Port and cushion needle are at the same rod/head position. Symbols of port location, cushion needle position and lock position are as the following diagrams.</p> <p>Standard (ABD) ACD ADB</p> <p>End lock Cushion valve</p>	<p>When the mounting bracket is attached, the conditions placed like below are on a basis.</p> <p>Foot type (A) Rod side flange type (A) Head side flange type (A) Single clevis type (D) Double clevis type (D) Center trunnion type (D)</p> <p>Diagrams seen from the rod side</p>
CLS	<p>Basic type Foot type Rod side flange type Head side flange type Single clevis type Double clevis type Center trunnion type</p> <p>Lock location Port Cushion valve</p>	<p>1. Symbols of port and cushion valve, and lock positions, have to be looked at from the rod side as shown in the figures above. Define the upper side to be A, and then B, C, and D in a clockwise order.          2. The combination model of a port and a cushion valve is applicable when the rod and head covers are moved to the same position.          3. Part number of -XC3[A][B][A] is not available since it indicates a standard type.          4. For the rod side flange type, lock positions [B] and [D] cannot be manufactured since the brake cylinder and the mounting hole of the flange bracket interfere with each other.          5. Symbols excluding those that indicate the locations of ports and cushion valves are the same as the standard type.</p>

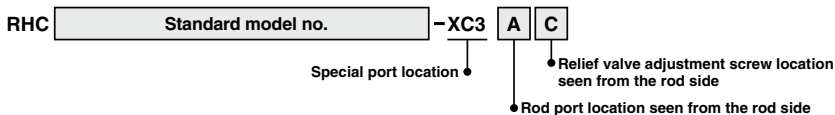
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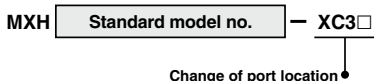
\* For port location, refer to the following diagrams and show the symbols of A, B, C and D.

### Specifications: Same as standard type

### Relation between Port Location and Relief Valve Adjustment Screw Location

Series	Corresponding symbol of mounting bracket (Positional relationships)			
RHC	<p><b>Basic type</b></p>	<p><b>Foot type</b></p>	<p><b>Rod side flange type</b></p>	<p><b>Head side flange type</b></p>
	<p>Relief valve adjustment screw</p> <ol style="list-style-type: none"> <li>As shown in the above diagram, the symbols for the positions of the ports and the relief valve adjustment screws are as follows: viewed from the rod side, the top position is rendered A, then B, C and D in the clockwise direction.</li> <li>The type in which the ports and the relief valve adjustment screws is applicable only when the rod cover and the head cover are changed to the same positions.</li> <li>The symbol indicated as "-XC3 <input type="text" value="A"/> <input type="text" value="B"/></li> <li>Those shown above are the same as standard, other than the symbols that indicate the positions of the ports and the relief valve adjustment screws.</li> <li>Brackets are shipped together.</li> </ol>			

### How to Order



### Specifications: Same as standard type

The port location of a standard product is in the axial direction, and it is shipped as plugged on both sides. However, side ported types can be ordered. A shifting of the plugs is not required by the customer.

### Relation between Port Location and Plug Location

Standard	-XC3A	-XC3B