

Simple Specials: -XA0 to XA30: Change of Rod End Shape

The following changes are dealt with through the Simple Specials System.
Please contact your local sales representative for more details.

Part of the CG1 series (model highlighted in red) is to be discontinued as of the end of February 2025.
Please select the CG1-Z1 series instead.

Symbol

1 Change of Rod End Shape

-XA0 to XA30

Applicable Series

Series			Action	Symbol for change of rod end shape	Note
CJP2	Pin cylinder	CJP2	Double acting, Single rod	XA0/1/10/11	ø6, ø10, ø16
CJ2	Standard type	CJ2-Z	Double acting, Single rod	XA0/1/10/11	
			Single acting (Spring return/extend)	XA0/1/10/11	
	Non-rotating rod type	CJ2W-Z	Double acting, Double rod	XA0/1/10/11	
			Double acting, Single rod	XA0/1/10/11	
	With speed controller type	CJ2K-Z	Double acting, Single rod	XA0/1/10/11	
			Single acting (Spring return/extend)	XA0/1/10/11	
		CJ2Z-Z	Double acting, Single rod	XA0/1/10/11	
		CJ2ZW-Z	Double acting, Double rod	XA0/1/10/11	
	Direct mount type	CJ2RA-Z	Double acting, Single rod	XA0/1/10/11	
			Single acting (Spring return/extend)	XA0/1/10/11	
CM2	Standard type	CJ2RK-Z	Double acting, Single rod	XA0/1/10/11	
			Single acting (Spring return/extend)	XA0/1/10/11	
	Non-rotating rod, Direct mount type	CJ2Y-Z	Double acting, Single rod	XA0/1/10/11	
	Smooth cylinder		Double acting, Single rod	XA0/1/10/11	
	Standard type	CM2-Z	Double acting, Single rod	XA0 to 30	
			Single acting (Spring return/extend)	XA0 to 30	
	Standard type (Air-hydro type)	CM2W-Z	Double acting, Double rod	XA0 to 30	
		CM2H	Double acting, Single rod	XA0 to 30	
	Non-rotating rod type	CM2WH	Double acting, Double rod	XA0 to 30	
		CM2K-Z	Double acting, Single rod	XA0,1,6,10,11,13,14,17,19,21	Except with air cushion
CG1	Direct mount type	CM2R-Z	Double acting, Single rod	XA0 to 30	Except with air cushion
	Non-rotating rod, Direct mount type	CM2RK-Z	Double acting, Single rod	XA0,1,6,10,11,13,14,17,19,21	
	Centralized piping type	CM2□□P	Double acting, Single rod	XA0 to 30	
	End lock cylinder	CBM2	Double acting, Single rod	XA0 to 30	
	Smooth cylinder	CM2Y-Z	Double acting, Single rod	XA0 to 30	
	Air cylinder	CG1-Z1	Double acting, Single rod	XA0 to 30	Excludes cylinders with a rod end bracket
	Standard type	CG1-Z	Double acting, Single rod	XA0 to 30	
		CG1W-Z	Double acting, Double rod	XA0 to 30	
	Standard type (Air-hydro type)	CG1H-Z	Double acting, Single rod	XA0 to 30	
	Non-rotating rod type	CG1K-Z	Double acting, Single rod	XA0 to 30	
CG3	Direct mount type	CG1R-Z	Double acting, Single rod	XA0 to 30	
	End lock cylinder	CBG1-Z1	Double acting, Single rod	XA0 to 30	
		CBG1	Double acting, Single rod	XA0 to 30	
	Smooth cylinder	CG1Y-Z	Double acting, Single rod	XA0 to 30	
	Air cylinder	CG3-Z1	Double acting, Single rod	XA0 to 30	
	Standard type	CG3	Double acting, Single rod	XA0 to 30	

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MB	Standard type	MB2	Double acting, Single rod	XA0 to 30	
		MB-Z	Double acting, Single rod	XA0 to 30	
		MB2W	Double acting, Double rod	XA0 to 30	Only 1 end can be changed. A special order is required for changes to both ends.
		MBW-Z	Double acting, Double rod	XA0 to 30	Only 1 end can be changed. A special order is required for changes to both ends.
	Non-rotating rod type	MB2K	Double acting, Single rod	XA0/1/6/10/11/13/14/17/19/21	
		MBK-Z	Double acting, Single rod	XA0/1/6/10/11/13/14/17/19/21	
	With end lock type	MBB	Double acting, Single rod	XA0 to 30	
MB1	Standard type	MBY-Z	Double acting, Single rod	XA0 to 30	
		MB1-Z	Double acting, Single rod	XA0 to 30	
		MB1W-Z	Double acting, Double rod	XA0 to 30	Only 1 end can be changed. A special order is required for changes to both ends.
	Non-rotating rod type	MB1K-Z	Double acting, Single rod	XA0/1/6/10/11/13/14/17/19/21	
		CA2-Z	Double acting, Single rod	XA0 to 30	
CA2	Standard type	CA2W-Z	Double acting, Double rod	XA0 to 30	Only 1 end can be changed. A special order is required for changes to both ends.
		CA2K	Double acting, Single rod	XA0/1/6/10/11/13/14/17/19/21	ø40 to ø63
	Non-rotating rod type	CA2□H	Double acting, Single rod	XA0/1/3/5 to 8/10/11/13 to 23/26 to 30	
	Standard type (Air-hydro type)	CBA2	Double acting, Single rod	XA0 to 30	
	End lock cylinder	CA2Y-Z	Double acting, Single rod	XA0 to 30	
CS1	Standard type	CS1	Double acting, Single rod	XA0 to 30	
		CS1W	Double acting, Double rod	XA0 to 30	
	Low friction type	CS1□Q	Double acting, Single rod	XA0 to 30	ø125 to ø160
		CS2	Double acting, Single rod	XA0 to 30	
CS2	Standard type	CS2W	Double acting, Double rod	XA0 to 30	
		CS2-V	Double acting, Single rod	XA0 to 30	ø200 to ø320
	Long stroke	CS2□P	Double acting, Single rod	XA0 to 30	ø180 to ø250
	Axial centralized piping	CS2Y	Double acting, Single rod	XA0 to 30	ø125 to ø160
CJ5	Smooth cylinder	CJ5-S	Double acting, Single rod	XA0 to 30	
CG5	Stainless steel cylinder	CG5-S	Double acting, Single rod	XA0/1/10/11	
CN CL	Cylinder with lock	CNG	Double acting, Single rod	XA0 to 30	
		CNA2	Double acting, Single rod	XA0 to 30	
		CNS	Double acting, Single rod	XA0 to 30	
		CLS	Double acting, Single rod	XA0 to 30	
MWB	Cylinder with lock Lock unit	MWB	Double acting, Single rod	XA0 to 30	
		MWB-UT	—	XA1 to 30	Except XA2, XA9, XA12, XA24, XA25
CL	Fine lock cylinder	CLJ2	Double acting, Single rod	XA0/1/10/11	
		CLM2	Double acting, Single rod	XA0 to 30	
		CLG1	Double acting, Single rod	XA0 to 30	
CL	Locked-up cylinder	CL1	Double acting, Single rod	XA0 to 30	
CV	Valve mounted cylinder	CVJ5	Double acting, Single rod	XA0/1/10/11	
		CVJ3	Single acting (Spring return/extend)	XA0/1/10/11	
		CVM5	Double acting, Single rod	XA0 to 30	
		CVM3	Single acting (Spring return/extend)	XA0 to 30	
		CV3	Double acting, Single rod	XA0 to 30	
		CVS1	Double acting, Single rod	XA0 to 30	
		CVM5K	Double acting, Single rod	XA0/1/6/10/11/13/14/17/19/21	
		CVM3K	Single acting (Spring return/extend)	XA0/1/6/10/11/13/14/17/19/21	
		CV3K	Double acting, Single rod	XA0/1/6/10/11/13/14/17/19/21	ø40 to ø63
		CVS1K	Double acting, Single rod	XA0/1/6/10/11/13/14/17/19/21	ø40 to ø63

Simple Specials: -XA0 to XA30: Change of Rod End Shape

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⚠ Precautions

- SMC will make appropriate arrangements if no dimension, tolerance, or finish instructions are given in the diagram.
- Standard dimensions marked with "*" will be as follows to the rod diameter (D).
Enter any special dimension you desire.
 $D \leq 6 \rightarrow D - 1 \text{ mm}$, $6 < D \leq 25 \rightarrow D - 2 \text{ mm}$, $D > 25 \rightarrow D - 4 \text{ mm}$
- In the case of double rod type and single acting retraction type, enter the dimensions when the rod is retracted.
- The same shape as the standard type is "A0".
(The specifications of A0 are that only dimensions A and H are changed from the standard type. Excludes MWB-UT.)
- For the MWB-UT, there is no need to specify an H dimension.
- For the MWB-UT, to change 1 side, specify on 1 Simple Specials specification sheet, and to change both sides, specify on 2 Simple Specials specification sheets.

Symbol: A0 	Symbol: A1 	Symbol: A2 	Symbol: A3
Symbol: A4 	Symbol: A5 	Symbol: A6 	Symbol: A7
Symbol: A8 	Symbol: A9 	Symbol: A10 	Symbol: A11
Symbol: A12 	Symbol: A13 	Symbol: A14 	Symbol: A15

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Symbol

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<p>Symbol: A16</p>	<p>Symbol: A17</p>	<p>Symbol: A18</p>	<p>Symbol: A19</p>
<p>Symbol: A20</p>	<p>Symbol: A21</p>	<p>Symbol: A22</p>	<p>Symbol: A23</p>
<p>Symbol: A24</p>	<p>Symbol: A25</p>	<p>Symbol: A26</p>	<p>Symbol: A27</p>
<p>Symbol: A28</p>	<p>Symbol: A29</p>	<p>Symbol: A30</p>	