

Simple Specials: -XC15: Change of Tie-rod Length

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

Symbol

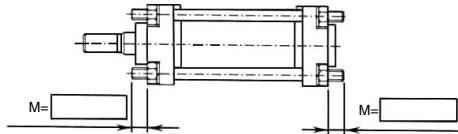
-XC15

9 Change of Tie-rod Length

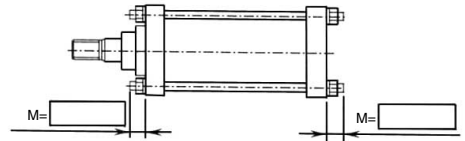
Cylinder with M dimension for tie-rod length changed from the standard length.

Series	Description	Model	Action	Note
CA2	Standard type	CA2-Z	Double acting, Single rod	
		CA2W-Z	Double acting, Double rod	
	Non-rotating rod type	CA2K	Double acting, Single rod	Applicable to $\phi 40$ to $\phi 63$
		CA2KW	Double acting, Double rod	Applicable to $\phi 40$ to $\phi 63$
		CA2H	Double acting, Single rod	
		CA2Y-Z	Double acting, Single rod	
CS1	Standard type	CS1	Double acting, Single rod	
		CS1W	Double acting, Double rod	
	Low friction type	CS1□Q	Double acting, Single rod	Applicable to $\phi 125$ to $\phi 160$
CS2	Standard type	CS2	Double acting, Single rod	
		CS2W	Double acting, Double rod	
	Long stroke	CS2-V	Double acting, Single rod	Applicable to $\phi 180$ to $\phi 320$
	Axial centralized piping	CS2□P	Double acting, Single rod	Applicable to $\phi 180$ to $\phi 250$
CNA2	Cylinder with lock	CS2Y	Double acting, Single rod	Applicable to $\phi 125$ to $\phi 160$
		CNA2	Double acting, Single rod	
CV	Valve mounted cylinder	CNA2W	Double acting, Double rod	
		CV3	Double acting, Single rod	
		CV3K	Double acting, Single rod	Applicable to $\phi 40$ to $\phi 63$
		CVS1	Double acting, Single rod	
		CVS1K	Double acting, Single rod	Applicable to $\phi 40$ to $\phi 63$

CA2, CNA2, CV series



CS1, CS2 series



⚠ Precautions

- To order, specify the M dimension as well as the part number.
- SMC will make appropriate arrangements if no dimension, tolerance, or finish instructions are given in the diagram.
- Tie-rod length changeable range is described in the below.
- The M dimension of the bracket mounting side of Flange (F, G), Clevis (C, D) types cannot be specified.

Tie-rod Length Changeable Range

(mm)

Model	CA2, CNA2, CV	CS1						
Bore size (mm)	All bore size	125	140	160	180	200	250	300
M Min.	0	15.5	18	20.5	22	26	32.5	
M Max.	300 ⁽¹⁾	110						

Note 1) The maximum value of M on the rod side for the CNA2 series is 50.

Tie-rod Length Changeable Range

(mm)

Model	CS2																																									
Bore size (mm)	125			140			160			180			200			250			320																							
Mounting bracket	L	B	F	G	C	D	T	L	B	F	G	C	D	T	L	B	F	G	C	D	T	L	B	F	G	C	D	T	L	B	F	G	C	D	T	L	B	F	G	C	D	T
M Min.	20	12	21	12	23	14	27	17	28	18	33	21	38	0																												
M Max.	110																																									