

Simple Specials: -XC14: Change of Trunnion Bracket Mounting Position

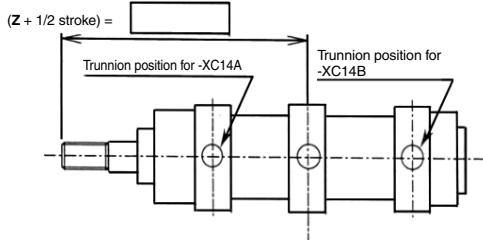
These changes are dealt with Simple Specials System. Refer to the front matter pages for details.

8 Change of Trunnion Bracket Mounting Position

Note

The position for mounting the trunnion pivot bracket on the cylinder can be moved from the standard mounting position to any desired position.

Series	Description	Model	Action
MB	Standard type	MB-Z	Double acting, Single rod
		MBW-Z	Double acting, Double rod
	Non-rotating rod type	MBK-Z	Double acting, Single rod
	End lock cylinder	MBB	Double acting, Single rod
CA2	Smooth cylinder	MBY-Z	Double acting, Single rod
	Standard type	CA2-Z	Double acting, Single rod
		CA2W-Z	Double acting, Double rod
	Non-rotating rod type	CA2K	Double acting, Single rod
CS1	End lock cylinder	CA2KW	Applicable to ø40 to ø63 Double acting, Double rod
	Air-hydro cylinder	CBA2	Double acting, Single rod
	Smooth cylinder	CA2H	Double acting, Single rod
		CA2Y-Z	Double acting, Single rod
CS2	Standard type	CS1	Double acting, Double rod
	Low friction type	CS1W	Double acting, Single rod
CNA2	Cylinder with lock	CS1Q	Double acting, Single rod
		CS2	Double acting, Double rod
		CS2W	Double acting, Single rod
CNS	Smooth cylinder	CS2Y	Double acting, Single rod
		CNA2	Double acting, Double rod
CLS		CNA2W	Double acting, Single rod
	CNS	Double acting, Single rod	
CL1	Lock-up cylinder	CLS	Double acting, Single rod
		CL1	Double acting, Single rod Applicable to ø40 to ø100
CVS1	Valve mounted cylinder	CVS1	Double acting, Single rod
		CVS1K	Double acting, Single rod Applicable to ø40 to ø63



Precautions

- Specify "Z + 1/2 stroke" in the case the trunnion bracket position is not -XC14A, B or trunnion is not a center trunnion.
- SMC will make appropriate arrangements if no dimension, tolerance, or finish instructions are given in the diagram.
- The possible range of trunnion bracket mounting position is indicated in the table below.
- Some trunnion mounting positions do not allow auto switch mounting. Please consult with SMC for more information.
- When the trunnion position is changed to somewhere close to the cover for the end lock cylinder, there is a possibility that the lock part and the trunnion pivot bracket may interfere with each other. Change the lock position (-X3) at the same time.
- The CS2 series has a greater range of trunnion bracket mounting positions than CS1 series, so the value of "Z + 1/2 stroke" at -XC14A and -XC14B is different.

MB Series

(mm)

Symbol Bore size (mm)	Z + 1/2 stroke			Reference Standard (Center trunnion)	Minimum stroke
	For -XC14A	For -XC14B	For -XC14		
32	82.5	95.5 + Stroke	84	94 + Stroke	89 + 1/2 stroke
40	89	97 + Stroke	90	96 + Stroke	93 + 1/2 stroke
50	100.5	109.5 + Stroke	102	108 + Stroke	105 + 1/2 stroke
63	103.5	106.5 + Stroke	105	105 + Stroke	105 + 1/2 stroke
80	127	131 + Stroke	128	130 + Stroke	129 + 1/2 stroke
100	130	128 + Stroke	131	127 + Stroke	129 + 1/2 stroke
125	160	154 + Stroke	160.5	153.5 + Stroke	157 + 1/2 stroke

CA2/CBA2/CSV1 Series

(mm)

Symbol Bore size (mm)	Z + 1/2 stroke			Reference Standard (Center trunnion)	Minimum stroke
	For -XC14A	For -XC14B	For -XC14		
40	89	97 + Stroke	89.5	96.5 + Stroke	93 + 1/2 stroke
50	99	107 + Stroke	99.5	106.5 + Stroke	103 + 1/2 stroke
63	103	111 + Stroke	103.5	110.5 + Stroke	107 + 1/2 stroke
80	125	133 + Stroke	125.5	132.5 + Stroke	129 + 1/2 stroke
100	132	138 + Stroke	132.5	137.5 + Stroke	135 + 1/2 stroke

CS1 Series

(mm)

Symbol Bore size (mm)	Z + 1/2 stroke			Reference Standard (Center trunnion)	Minimum stroke
	For -XC14A	For -XC14B	For -XC14		
125	170	148 + Stroke	170.5	147.5 + Stroke	159 + 1/2 stroke
140	172.5	145.5 + Stroke	173	145 + Stroke	159 + 1/2 stroke
160	189	157 + Stroke	189.5	156.5 + Stroke	173 + 1/2 stroke
180	203.5	177.5 + Stroke	204	177 + Stroke	190.5 + 1/2 stroke
200	203.5	177.5 + Stroke	204	177 + Stroke	190.5 + 1/2 stroke
250	243.5	217.5 + Stroke	244	217 + Stroke	230.5 + 1/2 stroke
300	263.5	232.5 + Stroke	264	232 + Stroke	248 + 1/2 stroke

