

3MA/4MA/4ML Series NFPA Cylinders

Mounting Kit Assembly

Perform the following steps when installing mounting kits onto 1-1/2" - 5" bore 3MA, 4MA and 4ML cylinders with the standard mount (TE or TEF).

- 1) Clean mating parts to remove oil, grease and dirt.
- 2) Fasteners should be clean, dry and burr free.
- 3) Brush mounting fastener threads thoroughly with anti-seize lubricant.
- 4) Follow the appropriate procedure below for the desired mounting.

Rear Pivot Mounting Kits – Style BB, BC and BE (Fig. 1)

Place pivot mount over end cap, lining up the four fastener holes in the end cap with the pivot mounting plate. Note that the pivot mount can be rotated allowing for different cylinder port locations. Secure mounting to cylinder cap (finger tight) using the four fasteners. Torque the fasteners to the specifications in the table on the next page.

End Angle Mounting Kit – Style CB (Fig. 2)

The end angles bolt to the front and rear of the cylinder end caps. The spacer plate** provided is to be assembled at the rod end under the angle plate. Line up the two holes of the spacer plate and angle plate with the two fastener holes in the cylinder head. If 2 different length fasteners are in the kit, use the longer fasteners for the cylinder head end (rod end) mount. Secure (finger tight) using two fasteners. Repeat this assembly at the opposite end (less spacer). Place the assembly with the end angles down on a flat surface and torque the four fasteners to the specifications shown in the table on the next page.

Flange Mounting Kits – Style J and H Single and Double Rod Cylinders (Fig. 3)

Place rectangular flange plate over appropriate end cap. Line up the four holes in the mounting plate with the four fastener holes in the cylinder end cap. Note that the rectangular mounting plate can be rotated to allow for different port locations. Secure the rectangular mounting plate to the end cap (finger tight) using the four fasteners. Then torque the four fasteners to the specifications shown in the table on the next page.

Side End Lug Mounting Kits – Style G (Fig. 4)

Attach the two longer lugs with the fasteners provided in the kit to the cylinder head as shown. Attach the two shorter lugs to the cylinder cap in a similar fashion. Place the assembly with the lugs down on a flat surface and torque the four fasteners to the specifications shown in the table on the next page.

Side Lug Mount – Style C (not shown)

Place one bracket over one cylinder endcap. Align the lower two fastener holes in the endcap with the thru holes in the bracket. Note that the bracket can be rotated allowing for different cylinder port locations. Secure the bracket to the endcap (finger tight) using two fasteners. Repeat for the other bracket and endcap. Place the assembly with the brackets down on a flat surface and torque the four fasteners on both brackets to specifications shown in the table on the next page.

Fig. 1 - Pivot Mounting Kit

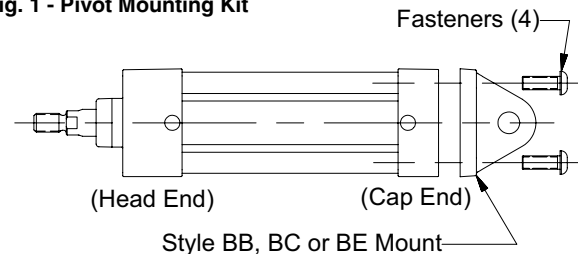


Fig. 2 - End Angle Mounting Kit

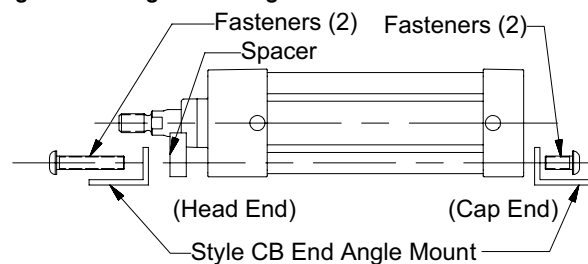


Fig. 3 - Flange Mounting Kit

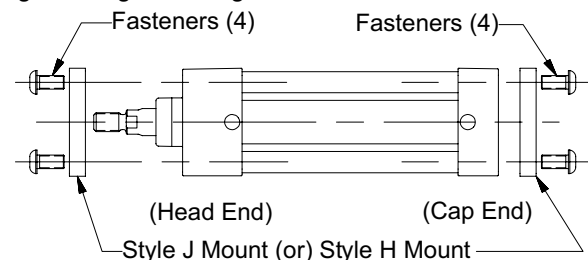
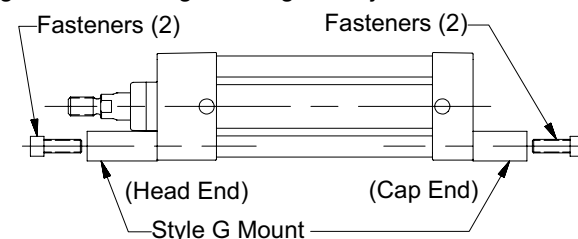


Fig. 4 - Side End Lug Mounting Kit - Style MS7



3MA/4MA/4ML Series

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3MA and 4MA Mounting Kits										
Bore Size	J (MF1)	H (MF2)	BB (MP1)	BC (MP2)	BE (MP4)	CB (MS1)	C (MS2)	G (MS7)	Kit Fastener Torque Units	
	Head Rectangular Flange	Cap Rectangular Flange	Cap Fixed Clevis	Cap Detachable Clevis	Cap Detachable Eye	Side End Angles	Side Lug (3MA only)	Side End Lug	USA	Metric
	Kit Number	Kit Number	Kit Number	Kit Number	Kit Number	Kit Number	Kit Number	Kit Number	inch-lbs	N-m
1-1/2	L079700150	L079700150	L079710150	L079730150	L079720150	L079740150	L079830150	L079750150	32 - 36	3.6 - 4.1
2	L079700200	L079700200	L079710200	L079730200	L079720200	L079740200	L079830200	L079750200	72 - 82	8 - 9
2-1/2	L079700250	L079700250	L079710250	L079730250	L079720250	L079740250	L079830250	L079750250	72 - 82	8 - 9
3-1/4	L079700325	L079700325	L079710325	L079730325	L079720325	L079740325	L079830325	L079750325	216 - 228	24 - 25.3
4	L079700400	L079700400	L079710400	L079730400	L079720400	L079740400	L079830400	L079750400	216 - 228	24 - 25.3
5	L079700500	L079700500	N/A	L079730500	N/A	L079740500	L079830500	N/A	360 - 372	41 - 42

** Spacer plate not used for 4" bore or double rod cylinders

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