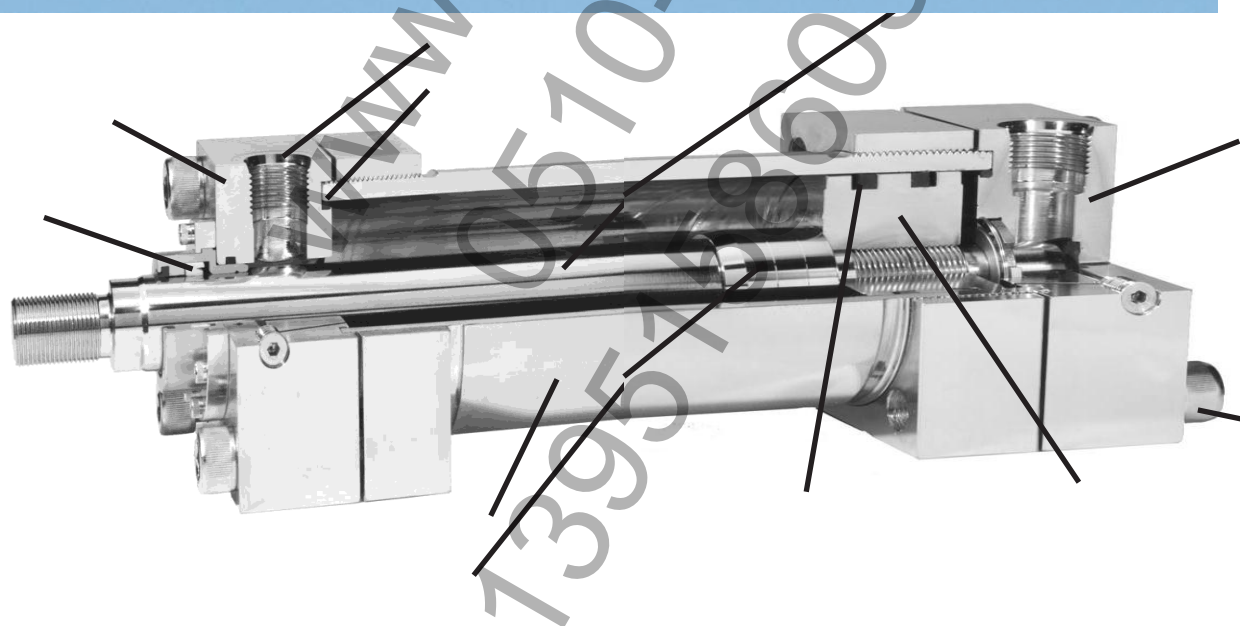


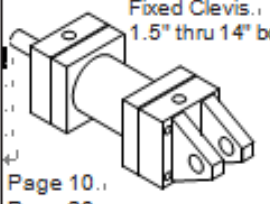
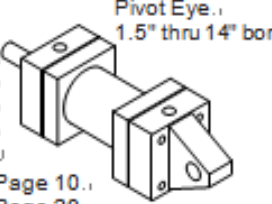
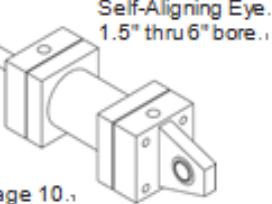
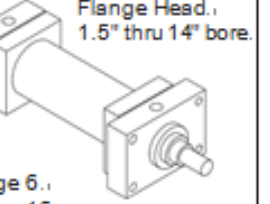
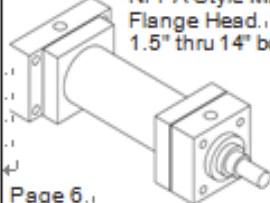
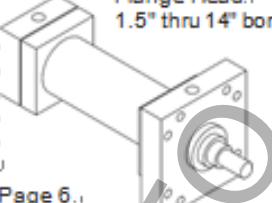
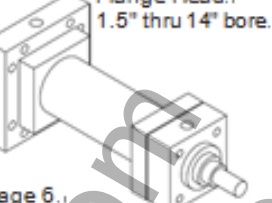
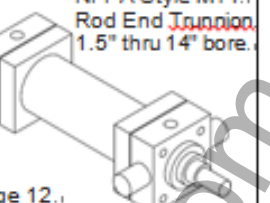
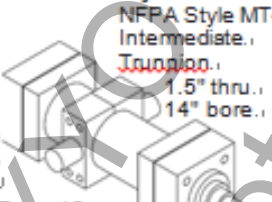
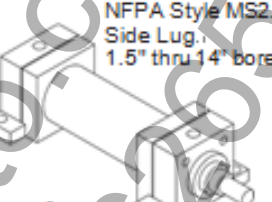
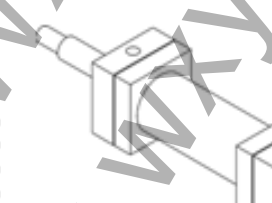
MH 液压缸安装方式



2"	C	K	J	-	MH	M	T	-	-	1	4	2	A	C	6.000
Bore Size	Cushion Head End	Double Rod Cylinder	Mounting Style	Mounting Modification	Series	Piston	Ports	Common Modifications	Special Modification	Piston Rod Number	Rod End Thread Style	Piston Rod Alt. Thread	Piston Rod Threads	Cushion Cap End	Stroke†††
Specify: 1 1/2" 2" 2 1/2" 3 1/4" 4" 5" 6" 7" 8" 10" 12" 14"	Use "C" only if head end cushion is required.	Use "K" only if double rod cylinder is required.	Specify Mounting Style BB, BE, SB, JJ, HH, JB, HB, D, DB, DD†, C, E, F		Specify: MH		Specify: T = SAE Ports U = NPTF Ports R = BSPP Ports P = SAE Flange Ports B = BSPT Ports G = Metric Ports Y = ISO 6149 Metric Thread Ports	Use "S" for Special modification other than rod end and specify modification.			Select: Style 4 Small Male Style 8 Intermediate Male Style 9 Small Female Style 55 Rod End for Split Coupling†† Style 3 Special (Specify)		A = UNF Standard W = BSF (British Fine) M = Metric	Use "C" only if cap end cushion is	Specify in inches.
			P = Thrust Key (Styles C and F only)		M = PolyPak® seal piston standard. Specify:		Leave blank for Class 1 seals. Specify:		Specify:		Used ONLY				

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13951586037@163.com

Mounting Styles

Style BB. NFFA Style MP1. Fixed Clevis. 1.5" thru 14" bore.  Page 10. Page 20.	Style BE. NFFA Style MP3. Pivot Eye. 1.5" thru 14" bore.  Page 10. Page 20.	Style SB. NFFA Style MPU3. Self-Aligning Eye. 1.5" thru 6" bore.  Page 10.	Style JJ. NFFA Style ME5. Flange Head. 1.5" thru 14" bore.  Page 6. Page 16.
Style HH. NFFA Style ME6. Flange Head. 1.5" thru 14" bore.  Page 6. Page 16.	Style JB. Flange Head. 1.5" thru 14" bore.  Page 6. Page 16.	Style HB. Flange Head. 1.5" thru 14" bore.  Page 6. Page 16.	Style D. NFFA Style MT1. Rod End Turnion. 1.5" thru 14" bore.  Page 12. Page 22.
Style DB. NFFA Style MT2. Cap End Turnion. 1.5" thru 14" bore.  Page 12. Page 22.	Style DD. NFFA Style MT4. Intermediate. Turnion. 1.5" thru 14" bore.  Page 12. Page 22.	Style C. NFFA Style MS2. Side Lug. 1.5" thru 14" bore.  Page 8. Page 18.	Style E. NFFA Style MS3. Centerline Lugs. 1.5" thru 14" bore.  Page 8. Page 18.
Style F. NFFA Style MS4. Side Tapped. 1.5" thru 8" bore only.  Page 8.	Style KTB NFFA Style MD Double Rod Cylinder. 1.5" thru 14" bore only.  Page 14.		

安装方式 JJ、JB、HH、HB

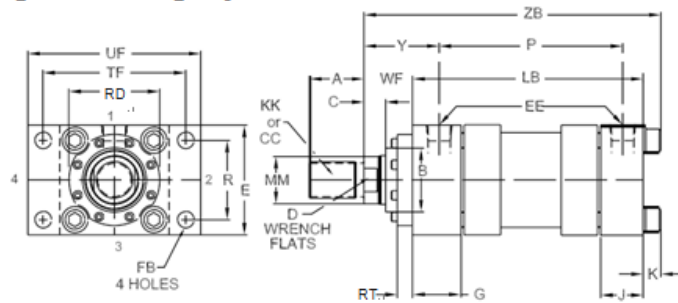
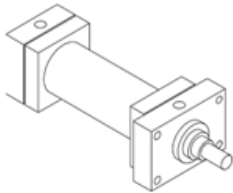
Rod Head Flange and Cap Head Flange Mounting Styles

Rod Head Flange

Style JJ

NFPA Style ME5

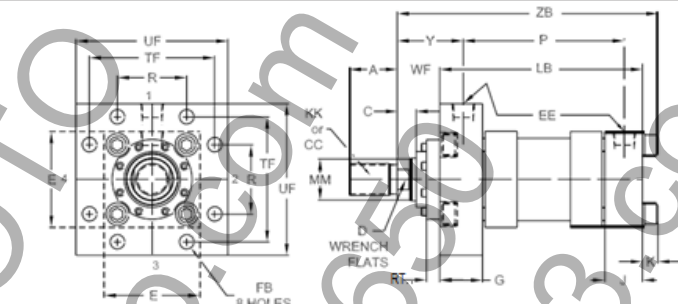
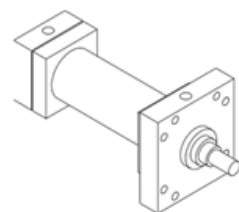
1.5" thru 8" Bore



Rod Head Flange

Style JB

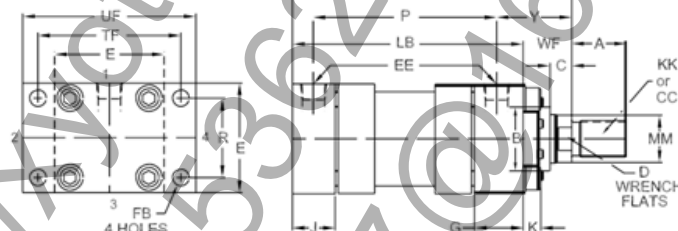
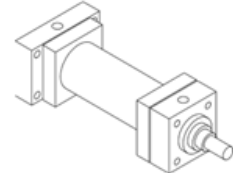
1.5" thru 8" Bore



Style HH

NFPA Style ME6

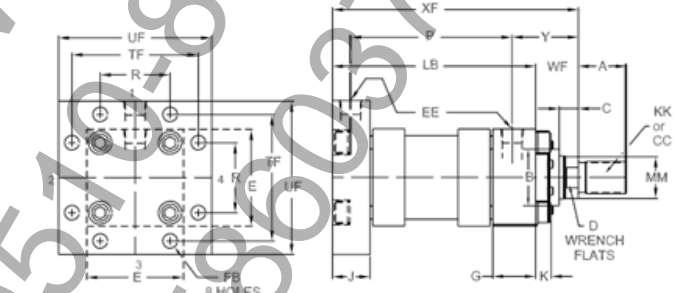
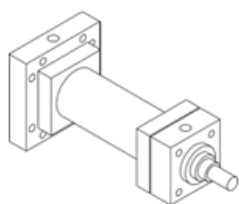
1.5" thru 8" Bore



Cap Head Flange

Style HB

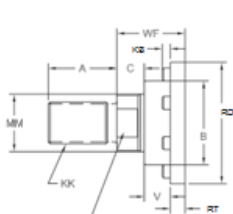
1.5" thru 8" Bore



Rod End Dimensions

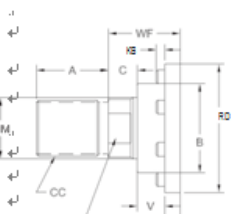
Style 4

Standard Male Thread



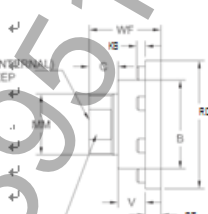
Style 8

Oversize Male Thread



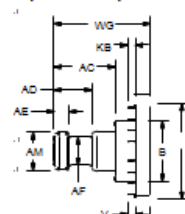
Style 9

Female Thread



Style 55

Split Coupler



Style 3

"Specials"
Thread Style 3
Special thread,
extension, rod eye,
blank, etc., are also
available.

To order, specify
"Style 3" and give
desired dimensions

尺寸表

Envelope and Mounting Dimensions

BORE	E	EE		FB	G	J	K	R	TF	UF	Add Stroke		Minimum Stroke
		SAE	NPTF								LB	P	
1 $\frac{1}{2}$	2 $\frac{1}{2}$	#8	$\frac{1}{2}$	$\frac{7}{16}$	1 $\frac{3}{4}$	1 $\frac{1}{2}$	.38	1.63	3 $\frac{7}{16}$	4 $\frac{1}{4}$	4 $\frac{5}{8}$	2 $\frac{7}{8}$	1.63
2	3	#8	$\frac{1}{2}$	$\frac{9}{16}$	1 $\frac{3}{4}$	1 $\frac{1}{2}$	.50	2.05	4 $\frac{1}{8}$	5 $\frac{1}{8}$	4 $\frac{5}{8}$	2 $\frac{7}{8}$	1.63
2 $\frac{1}{2}$	3 $\frac{1}{2}$	#8	$\frac{1}{2}$	$\frac{9}{16}$	1 $\frac{3}{4}$	1 $\frac{1}{2}$	.50	2.55	4 $\frac{5}{8}$	5 $\frac{5}{8}$	4 $\frac{3}{4}$	3	1.50
3 $\frac{1}{4}$	4 $\frac{1}{2}$	#12	$\frac{3}{4}$	$\frac{11}{16}$	2	1 $\frac{3}{4}$	.63	3.25	5 $\frac{7}{8}$	7 $\frac{1}{8}$	5 $\frac{1}{2}$	3 $\frac{1}{2}$	1.75
4	5	#12	$\frac{3}{4}$	$\frac{11}{16}$	2	1 $\frac{3}{4}$	.63	3.82	6 $\frac{3}{8}$	7 $\frac{5}{8}$	5 $\frac{3}{4}$	3 $\frac{3}{4}$	1.50
5	6 $\frac{1}{2}$	#12	$\frac{3}{4}$	$\frac{15}{16}$	2	1 $\frac{3}{4}$	.88	4.95	8 $\frac{3}{16}$	9 $\frac{3}{4}$	6 $\frac{1}{4}$	4 $\frac{1}{4}$	1.50
6	7 $\frac{1}{2}$	#16	1	$\frac{11}{16}$	2 $\frac{1}{4}$	2 $\frac{1}{4}$	1.00	5.73	9 $\frac{7}{16}$	11 $\frac{1}{4}$	7 $\frac{3}{8}$	4 $\frac{7}{8}$	2.38
7	8 $\frac{1}{2}$	#20	$\frac{11}{4}$	$\frac{13}{16}$	2 $\frac{3}{4}$	2 $\frac{3}{4}$	1.13	6.58	10 $\frac{5}{8}$	12 $\frac{5}{8}$	8 $\frac{1}{2}$	5 $\frac{1}{2}$	3.25
8	9 $\frac{1}{2}$	#24	$\frac{11}{2}$	$\frac{15}{16}$	3	3	1.25	7.50	11 $\frac{13}{16}$	14	9 $\frac{1}{2}$	6 $\frac{1}{4}$	4.75

Dimensions Affected by Rod Size

BORE	Rod No.	MM Rod Size	Threa		A	B	RD	C	D	RT	V	KB	WF	Y	Add Stroke	
			Style 4 & 9	Style 8											XF	ZB
			KK	CC												
1 $\frac{1}{2}$	1*	$\frac{5}{8}$	$\frac{7}{16}$ - 20	$\frac{1}{2}$ - 20	$\frac{3}{4}$	1.124	1 $\frac{15}{16}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{8}$	$\frac{1}{4}$	$\frac{3}{16}$	1	2	5 $\frac{5}{8}$	6 $\frac{1}{8}$
	2	1	$\frac{3}{4}$ - 16	$\frac{7}{8}$ - 14	1 $\frac{1}{8}$	1.499	2 $\frac{3}{8}$	$\frac{1}{2}$	$\frac{7}{8}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{16}$	1 $\frac{3}{8}$	2 $\frac{3}{8}$	6	6 $\frac{1}{2}$
2	1*	1	$\frac{3}{4}$ - 16	$\frac{7}{8}$ - 14	1 $\frac{1}{8}$	1.499	2 $\frac{3}{8}$	$\frac{1}{2}$	$\frac{7}{8}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{16}$	1 $\frac{3}{8}$	2 $\frac{3}{8}$	6	6 $\frac{5}{8}$
	2	1 $\frac{3}{8}$	1 - 14	1 $\frac{1}{4}$ - 12	1 $\frac{5}{8}$	1.999	2 $\frac{7}{8}$	$\frac{3}{8}$	1 $\frac{1}{8}$	$\frac{3}{8}$	$\frac{5}{8}$	$\frac{3}{16}$	1 $\frac{5}{8}$	2 $\frac{5}{8}$	6 $\frac{1}{4}$	6 $\frac{7}{8}$
2 $\frac{1}{2}$	1*	1	$\frac{3}{4}$ - 16	$\frac{7}{8}$ - 14	1 $\frac{1}{8}$	1.499	2 $\frac{3}{8}$	$\frac{1}{2}$	$\frac{7}{8}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{16}$	1 $\frac{3}{8}$	2 $\frac{3}{8}$	6 $\frac{1}{8}$	6 $\frac{3}{4}$
	3	1 $\frac{3}{8}$	1 - 14	1 $\frac{1}{4}$ - 12	1 $\frac{5}{8}$	1.999	2 $\frac{7}{8}$	$\frac{5}{8}$	1 $\frac{1}{8}$	$\frac{3}{8}$	$\frac{5}{8}$	$\frac{3}{16}$	1 $\frac{5}{8}$	2 $\frac{5}{8}$	6 $\frac{3}{8}$	7
	2	1 $\frac{3}{4}$	1 $\frac{1}{4}$ - 12	1 $\frac{1}{2}$ - 12	2	2.374	3 $\frac{1}{2}$	$\frac{3}{4}$	1 $\frac{1}{2}$	$\frac{5}{8}$	$\frac{1}{2}$	$\frac{3}{16}$	1 $\frac{7}{8}$	2 $\frac{7}{8}$	6 $\frac{5}{8}$	7 $\frac{1}{4}$
3 $\frac{1}{4}$	1*	1 $\frac{3}{8}$	1 - 14	1 $\frac{1}{4}$ - 12	1 $\frac{5}{8}$	1.999	2 $\frac{7}{8}$	$\frac{5}{8}$	1 $\frac{1}{8}$	$\frac{3}{8}$	$\frac{5}{8}$	$\frac{3}{16}$	1 $\frac{5}{8}$	2 $\frac{3}{4}$	7 $\frac{1}{8}$	7 $\frac{7}{8}$
	3	1 $\frac{3}{4}$	1 $\frac{1}{4}$ - 12	1 $\frac{1}{2}$ - 12	2	2.374	3 $\frac{1}{2}$	$\frac{3}{4}$	1 $\frac{1}{2}$	$\frac{5}{8}$	$\frac{1}{2}$	$\frac{3}{16}$	1 $\frac{7}{8}$	3	7 $\frac{3}{8}$	8 $\frac{1}{8}$
	2	2	1 $\frac{1}{2}$ - 12	1 $\frac{3}{4}$ - 12	2 $\frac{1}{4}$	2.624	3 $\frac{3}{4}$	$\frac{7}{8}$	1 $\frac{11}{16}$	$\frac{5}{8}$	$\frac{1}{2}$	$\frac{1}{4}$	2	3 $\frac{1}{8}$	7 $\frac{1}{2}$	8 $\frac{1}{4}$
4	1*	1 $\frac{3}{4}$	1 $\frac{1}{4}$ - 12	1 $\frac{1}{2}$ - 12	2	2.374	3 $\frac{1}{2}$	$\frac{3}{4}$	1 $\frac{1}{2}$	$\frac{5}{8}$	$\frac{1}{2}$	$\frac{3}{16}$	1 $\frac{7}{8}$	3	7 $\frac{5}{8}$	8 $\frac{3}{8}$
	3	2	1 $\frac{1}{2}$ - 12	1 $\frac{3}{4}$ - 12	2 $\frac{1}{4}$	2.624	3 $\frac{3}{4}$	$\frac{7}{8}$	1 $\frac{11}{16}$	$\frac{5}{8}$	$\frac{1}{2}$	$\frac{1}{4}$	2	3 $\frac{1}{8}$	7 $\frac{3}{4}$	8 $\frac{1}{2}$
	2	2 $\frac{1}{2}$	1 $\frac{7}{8}$ - 12	2 $\frac{1}{4}$ - 12	3	3.124	4 $\frac{1}{4}$	1	2 $\frac{1}{16}$	$\frac{5}{8}$	$\frac{5}{8}$	$\frac{1}{4}$	2 $\frac{1}{4}$	3 $\frac{3}{8}$	8	8 $\frac{3}{4}$
5	1*	2	1 $\frac{1}{2}$ - 12	1 $\frac{3}{4}$ - 12	2 $\frac{1}{4}$	2.624	3 $\frac{3}{4}$	$\frac{7}{8}$	1 $\frac{11}{16}$	$\frac{5}{8}$	$\frac{1}{2}$	$\frac{1}{4}$	2	3 $\frac{1}{8}$	8 $\frac{1}{4}$	9 $\frac{1}{4}$
	3	2 $\frac{1}{2}$	1 $\frac{7}{8}$ - 12	2 $\frac{1}{4}$ - 12	3	3.124	4 $\frac{1}{4}$	1	2 $\frac{1}{16}$	$\frac{5}{8}$	$\frac{5}{8}$	$\frac{1}{4}$	2 $\frac{1}{4}$	3 $\frac{3}{8}$	8 $\frac{1}{2}$	9 $\frac{1}{2}$
	4	3	2 $\frac{1}{4}$ - 12	2 $\frac{3}{4}$ - 12	3 $\frac{1}{2}$	3.749	5 $\frac{1}{16}$	1	2 $\frac{5}{8}$	$\frac{15}{16}$	$\frac{5}{16}$	—	2 $\frac{1}{4}$	3 $\frac{3}{8}$	8 $\frac{1}{2}$	9 $\frac{1}{2}$
	2	3 $\frac{1}{2}$	2 $\frac{1}{2}$ - 12	3 $\frac{1}{4}$ - 12	3 $\frac{1}{2}$	4.249	5 $\frac{15}{16}$	1	3	$\frac{15}{16}$	$\frac{5}{16}$	—	2 $\frac{1}{4}$	3 $\frac{3}{8}$	8 $\frac{1}{2}$	9 $\frac{1}{2}$
6	1*	2 $\frac{1}{2}$	1 $\frac{7}{8}$ - 12	2 $\frac{1}{4}$ - 12	3	3.124	4 $\frac{1}{4}$	1	2 $\frac{1}{16}$	$\frac{5}{8}$	$\frac{5}{8}$	$\frac{1}{4}$	2 $\frac{1}{4}$	3 $\frac{1}{2}$	9 $\frac{5}{8}$	10 $\frac{3}{4}$
	3	3	2 $\frac{1}{4}$ - 12	2 $\frac{3}{4}$ - 12	3 $\frac{1}{2}$	3.749	5 $\frac{7}{8}$	1	2 $\frac{5}{8}$	$\frac{15}{16}$	$\frac{5}{16}$	—	2 $\frac{1}{4}$	3 $\frac{1}{2}$	9 $\frac{5}{8}$	10 $\frac{3}{4}$
	4	3 $\frac{1}{2}$	2 $\frac{1}{2}$ - 12	3 $\frac{1}{4}$ - 12	3 $\frac{1}{2}$	4.249	5 $\frac{15}{16}$	1	3	$\frac{15}{16}$	$\frac{5}{16}$	—	2 $\frac{1}{4}$	3 $\frac{1}{2}$	9 $\frac{5}{8}$	10 $\frac{3}{4}$
	2	4	3 - 12	3 $\frac{3}{4}$ - 12	4	4.749	6 $\frac{5}{16}$	1	3 $\frac{3}{8}$	$\frac{15}{16}$	$\frac{5}{16}$	—	2 $\frac{1}{4}$	3 $\frac{1}{2}$	9 $\frac{5}{8}$	10 $\frac{3}{4}$
7	1*	3	2 $\frac{1}{4}$ - 12	2 $\frac{3}{4}$ - 12	3 $\frac{1}{2}$	3.749	5 $\frac{7}{16}$	1	2 $\frac{5}{8}$	$\frac{15}{16}$	$\frac{5}{16}$	—	2 $\frac{1}{4}$	3 $\frac{3}{4}$	10 $\frac{3}{4}$	12
	3	3 $\frac{1}{2}$	2 $\frac{1}{2}$ - 12	3 $\frac{1}{4}$ - 12	3 $\frac{1}{2}$	4.249	5 $\frac{15}{16}$	1	3	$\frac{15}{16}$	$\frac{5}{16}$	—	2 $\frac{1}{4}$	3 $\frac{3}{4}$	10 $\frac{3}{4}$	12
	4	4	3 - 12	3 $\frac{3}{4}$ - 12	4	4.749	6 $\frac{5}{16}$	1	3 $\frac{3}{8}$	$\frac{15}{16}$	$\frac{5}{16}$	—	2 $\frac{1}{4}$	3 $\frac{3}{4}$	10 $\frac{3}{4}$	12
	5	4 $\frac{1}{2}$	3 $\frac{1}{4}$ - 12	4 $\frac{1}{4}$ - 12	4 $\frac{1}{2}$	5.249	6 $\frac{15}{16}$	1	†	$\frac{15}{16}$	$\frac{5}{16}$	—	2 $\frac{1}{4}$	3 $\frac{3}{4}$	10 $\frac{3}{4}$	12
	2	5	3 $\frac{1}{2}$ - 12	4 $\frac{3}{4}$ - 12	5	5.749	7 $\frac{7}{16}$	1	†	$\frac{15}{16}$	$\frac{5}{16}$	—	2 $\frac{1}{4}$	3 $\frac{3}{4}$	10 $\frac{3}{4}$	12
8	1*	3 $\frac{1}{2}$	2 $\frac{1}{2}$ - 12	3 $\frac{1}{4}$ - 12	3 $\frac{1}{2}$	4.249	5 $\frac{15}{16}$	1	3	$\frac{15}{16}$	$\frac{5}{16}$	—	2 $\frac{1}{4}$	3 $\frac{7}{8}$	11 $\frac{3}{4}$	13 $\frac{3}{4}$
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	5	5	3 $\frac{1}{2}$ - 12	4 $\frac{3}{4}$ - 12	5	5.749	7 $\frac{7}{16}$	1	†	$\frac{15}{16}$	$\frac{5}{16}$	—	2 $\frac{1}{4}$	3 $\frac{7}{8}$	11 $\frac{3}{4}$	13 $\frac{3}{4}$
	2	5 $\frac{1}{2}$	4 - 12	5 $\frac{1}{4}$ - 12	5 $\frac{1}{2}$	6.249	7 $\frac{15}{16}$	1	†	$\frac{15}{16}$	$\frac{5}{16}$	—	2 $\frac{1}{4}$	3 $\frac{7}{8}$	11 $\frac{3}{4}$	13 $\frac{3}{4}$

安装方式 C、F、E

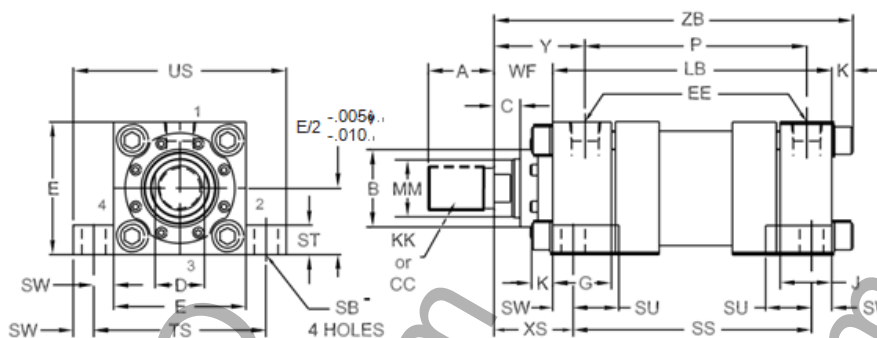
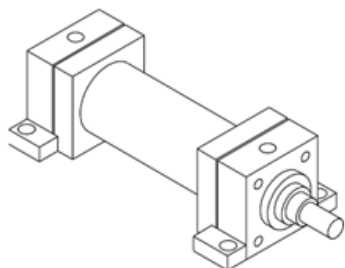
Side Lug, Center Lug and Side Tapped Mounting Styles

Side Lug

Style C

NFPA Style MS2

1.5" thru 8" Bore

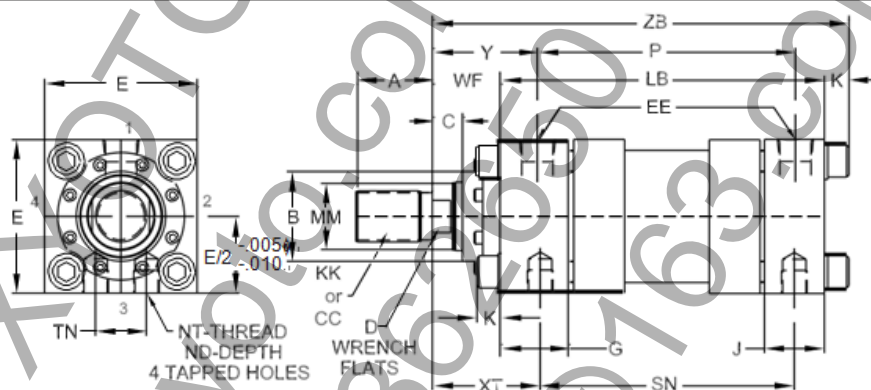
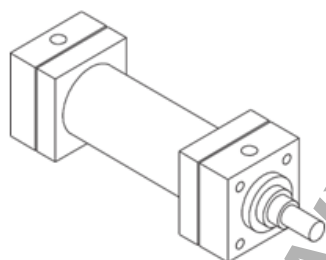


Side Tapped

Style F

NFPA Style MS4

1.5" thru 8" Bore

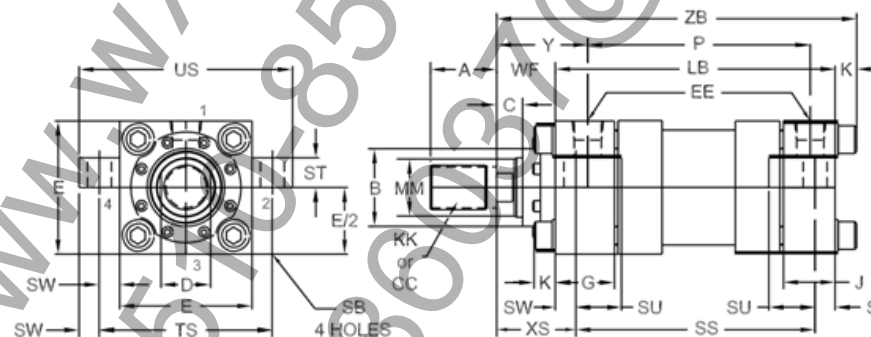
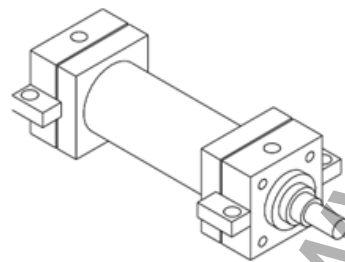


Center Lug

Style E

NFPA Style MS3

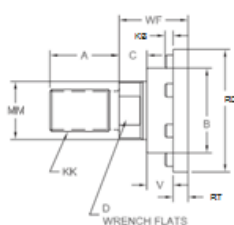
1.5" thru 8" Bore



Rod End Dimensions

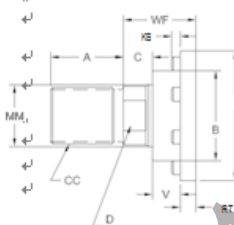
Style 4

Standard Male Thread



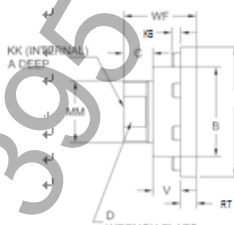
Style 8

Oversize Male Thread



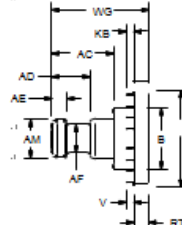
Style 9

Female Thread



Style 55

Split Coupler



See Page 26 for dimensional data.

Style 3

"Specials"
Thread Style 3
Special thread,
extension, rod eye,
blank, etc., are also
available.

To order, specify
"Style 3" and give
desired dimensions
for CC or KK, A and
WF. If otherwise
special, supply
dimensioned sketch.

尺寸表

Envelope and Mounting Dimensions

BORE	E	EE		G	J	K	ND	NT	SB	ST	SU	SW
		SAE	NPTF									
1 $\frac{1}{2}$	2 $\frac{1}{2}$	#8	$\frac{1}{2}$	1 $\frac{3}{4}$	1 $\frac{1}{2}$	.38	$\frac{3}{8}$	$\frac{3}{8}$ - 16	$\frac{7}{16}$	$\frac{1}{2}$	$\frac{15}{16}$	$\frac{3}{8}$
2	3	#8	$\frac{1}{2}$	1 $\frac{3}{4}$	1 $\frac{1}{2}$	.50	$\frac{7}{16}$	$\frac{1}{2}$ - 13	$\frac{9}{16}$	$\frac{3}{4}$	1 $\frac{1}{4}$	$\frac{1}{2}$
2 $\frac{1}{2}$	3 $\frac{1}{2}$	#8	$\frac{1}{2}$	1 $\frac{3}{4}$	1 $\frac{1}{2}$	.50	$\frac{1}{2}$	$\frac{5}{8}$ - 11	$\frac{13}{16}$	1	1 $\frac{9}{16}$	$\frac{11}{16}$
3 $\frac{1}{4}$	4 $\frac{1}{2}$	#12	$\frac{3}{4}$	2	1 $\frac{3}{4}$	.63	$\frac{11}{16}$	$\frac{3}{4}$ - 10	$\frac{13}{16}$	1	1 $\frac{9}{16}$	$\frac{11}{16}$
4	5	#12	$\frac{3}{4}$	2	1 $\frac{3}{4}$	.63	$\frac{11}{16}$	1 - 8	1 $\frac{1}{16}$	1 $\frac{1}{4}$	2	$\frac{7}{8}$
5	6 $\frac{1}{2}$	#12	$\frac{3}{4}$	2	1 $\frac{3}{4}$	.88	1	1 - 8	1 $\frac{1}{16}$	1 $\frac{1}{4}$	2	$\frac{7}{8}$
6	7 $\frac{1}{2}$	#16	1	2 $\frac{1}{4}$	2 $\frac{1}{4}$	1.00	1 $\frac{1}{4}$	1 $\frac{1}{4}$ - 7	1 $\frac{5}{16}$	1 $\frac{1}{2}$	2 $\frac{1}{2}$	1 $\frac{1}{8}$
7	8 $\frac{1}{2}$	#20	1 $\frac{1}{4}$	2 $\frac{3}{4}$	2 $\frac{3}{4}$	1.13	1 $\frac{1}{8}$	1 $\frac{1}{2}$ - 6	1 $\frac{9}{16}$	1 $\frac{3}{4}$	2 $\frac{7}{8}$	1 $\frac{3}{8}$
8	9 $\frac{1}{2}$	#24	1 $\frac{1}{2}$	3	3	1.25	1 $\frac{1}{2}$	1 $\frac{1}{2}$ - 6	1 $\frac{9}{16}$	1 $\frac{3}{4}$	2 $\frac{7}{8}$	1 $\frac{3}{8}$

Envelope and Mounting Dimensions—Continued

BORE	TN	TS	US	Add Stroke				S
				IR	P	SN	SS	
1 $\frac{1}{2}$	$\frac{3}{4}$	3 $\frac{1}{4}$	4	4 $\frac{5}{8}$	2 $\frac{7}{8}$	2 $\frac{7}{8}$	3 $\frac{7}{8}$	T 1.63
2	$\frac{15}{16}$	4	5	4 $\frac{5}{8}$	2 $\frac{7}{8}$	2 $\frac{7}{8}$	3 $\frac{5}{8}$	R 1.63
2 $\frac{1}{2}$	$\frac{15}{16}$	4 $\frac{7}{8}$	6 $\frac{1}{4}$	4 $\frac{3}{4}$	3	3	3 $\frac{3}{8}$	R 1.50
3 $\frac{1}{4}$	1 $\frac{1}{2}$	5 $\frac{7}{8}$	7 $\frac{1}{4}$	5 $\frac{1}{2}$	3 $\frac{1}{2}$	3 $\frac{1}{2}$	4 $\frac{1}{8}$	O 1.75
4	2 $\frac{1}{8}$	6 $\frac{3}{4}$	8 $\frac{1}{2}$	5 $\frac{3}{4}$	3 $\frac{3}{4}$	3 $\frac{3}{4}$	4	K 1.50
5	2 $\frac{15}{16}$	8 $\frac{1}{4}$	10	6 $\frac{1}{4}$	4 $\frac{1}{4}$	4 $\frac{1}{4}$	4 $\frac{1}{2}$	K 1.50
6	3 $\frac{5}{16}$	9 $\frac{3}{4}$	12	7 $\frac{3}{8}$	4 $\frac{7}{8}$	5 $\frac{1}{8}$	5 $\frac{1}{8}$	E 2.38
7	3 $\frac{3}{4}$	11 $\frac{1}{4}$	14	8 $\frac{1}{2}$	5 $\frac{1}{2}$	5 $\frac{7}{8}$	5 $\frac{3}{4}$	E 3.25
8	4 $\frac{1}{4}$	12 $\frac{1}{4}$	15	9 $\frac{1}{2}$	6 $\frac{1}{4}$	6 $\frac{5}{8}$	6 $\frac{3}{4}$	4.75

BORE	Rod No.	MM Rod Size	Thread		A	B	RD	C	D	RT	V	KB	WF	XS	XT	Y	Add. Stroke
			Style 4 & 9	Style 8													
			KK	CC													ZB
1 $\frac{1}{2}$	1 $\frac{1}{2}$	$\frac{5}{8}$	7 $\frac{1}{8}$ - 20 $\frac{1}{2}$	7 $\frac{1}{8}$ - 20 $\frac{1}{2}$	$\frac{3}{4}$	1.124	1 $\frac{15}{16}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{8}$	$\frac{1}{4}$	$\frac{3}{16}$	1 $\frac{1}{2}$	1 $\frac{1}{8}$	1 $\frac{15}{16}$	2 $\frac{1}{2}$	6 $\frac{1}{8}$
	2 $\frac{1}{2}$	1 $\frac{1}{8}$	$\frac{3}{4}$ - 16 $\frac{1}{2}$	7 $\frac{1}{8}$ - 14 $\frac{1}{2}$	1 $\frac{1}{8}$	1.499	2 $\frac{1}{8}$	$\frac{1}{2}$	$\frac{7}{8}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{16}$	1 $\frac{1}{8}$	1 $\frac{1}{4}$	2 $\frac{1}{8}$	2 $\frac{1}{8}$	6 $\frac{1}{2}$
2	1 $\frac{1}{2}$	1 $\frac{1}{2}$	$\frac{3}{4}$ - 16 $\frac{1}{2}$	7 $\frac{1}{8}$ - 14 $\frac{1}{2}$	1 $\frac{1}{8}$	1.499	2 $\frac{1}{8}$	$\frac{1}{2}$	$\frac{7}{8}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{16}$	1 $\frac{1}{8}$	1 $\frac{1}{4}$	2 $\frac{1}{8}$	2 $\frac{1}{8}$	6 $\frac{1}{8}$
	2 $\frac{1}{2}$	1 $\frac{3}{8}$	1 - 14 $\frac{1}{2}$	1 $\frac{1}{4}$ - 12 $\frac{1}{2}$	1 $\frac{1}{8}$	1.999	2 $\frac{1}{8}$	$\frac{5}{8}$	1 $\frac{1}{8}$	$\frac{3}{8}$	$\frac{5}{16}$	$\frac{3}{16}$	1 $\frac{1}{8}$	2 $\frac{1}{8}$	2 $\frac{1}{8}$	2 $\frac{1}{8}$	6 $\frac{1}{8}$
2 $\frac{1}{2}$	1 $\frac{1}{2}$	1 $\frac{1}{2}$	$\frac{3}{4}$ - 16 $\frac{1}{2}$	7 $\frac{1}{8}$ - 14 $\frac{1}{2}$	1 $\frac{1}{8}$	1.499	2 $\frac{1}{8}$	$\frac{1}{2}$	$\frac{7}{8}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{16}$	1 $\frac{1}{8}$	2 $\frac{1}{8}$	2 $\frac{1}{8}$	2 $\frac{1}{8}$	6 $\frac{1}{8}$
	2 $\frac{1}{2}$	1 $\frac{3}{8}$	1 - 14 $\frac{1}{2}$	1 $\frac{1}{4}$ - 12 $\frac{1}{2}$	1 $\frac{1}{8}$	1.999	2 $\frac{1}{8}$	$\frac{5}{8}$	1 $\frac{1}{8}$	$\frac{3}{8}$	$\frac{5}{16}$	$\frac{3}{16}$	1 $\frac{1}{8}$	2 $\frac{1}{8}$	2 $\frac{1}{8}$	2 $\frac{1}{8}$	7 $\frac{1}{4}$
3 $\frac{1}{4}$	1 $\frac{1}{2}$	1 $\frac{1}{2}$	$\frac{3}{4}$ - 16 $\frac{1}{2}$	7 $\frac{1}{8}$ - 14 $\frac{1}{2}$	1 $\frac{1}{8}$	1.499	2 $\frac{1}{8}$	$\frac{1}{2}$	$\frac{7}{8}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{16}$	1 $\frac{1}{8}$	2 $\frac{1}{8}$	2 $\frac{1}{8}$	2 $\frac{1}{8}$	7 $\frac{1}{4}$
	2 $\frac{1}{2}$	1 $\frac{3}{8}$	1 - 14 $\frac{1}{2}$	1 $\frac{1}{4}$ - 12 $\frac{1}{2}$	1 $\frac{1}{8}$	1.999	2 $\frac{1}{8}$	$\frac{5}{8}$	1 $\frac{1}{8}$	$\frac{3}{8}$	$\frac{5}{16}$	$\frac{3}{16}$	1 $\frac{1}{8}$	2 $\frac{1}{8}$	2 $\frac{1}{8}$	2 $\frac{1}{8}$	7 $\frac{1}{4}$
4	1 $\frac{1}{2}$	1 $\frac{1}{2}$	$\frac{3}{4}$ - 16 $\frac{1}{2}$	7 $\frac{1}{8}$ - 14 $\frac{1}{2}$	1 $\frac{1}{8}$	1.499	2 $\frac{1}{8}$	$\frac{1}{2}$	$\frac{7}{8}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{16}$	1 $\frac{1}{8}$	2 $\frac{1}{8}$	2 $\frac{1}{8}$	2 $\frac{1}{8}$	8 $\frac{1}{4}$
	2 $\frac{1}{2}$	1 $\frac{3}{8}$	1 - 14 $\frac{1}{2}$	1 $\frac{1}{4}$ - 12 $\frac{1}{2}$	1 $\frac{1}{8}$	1.999	2 $\frac{1}{8}$	$\frac{5}{8}$	1 $\frac{1}{8}$	$\frac{3}{8}$	$\frac{5}{16}$	$\frac{3}{16}$	1 $\frac{1}{8}$	2 $\frac{1}{8}$	2 $\frac{1}{8}$	2 $\frac{1}{8}$	8 $\frac{1}{4}$
5	1 $\frac{1}{2}$	1 $\frac{1}{2}$	$\frac{3}{4}$ - 16 $\frac{1}{2}$	7 $\frac{1}{8}$ - 14 $\frac{1}{2}$	1 $\frac{1}{8}$	1.499	2 $\frac{1}{8}$	$\frac{1}{2}$	$\frac{7}{8}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{16}$	1 $\frac{1}{8}$	2 $\frac{1}{8}$	2 $\frac{1}{8}$	2 $\frac{1}{8}$	9 $\frac{1}{4}$
	2 $\frac{1}{2}$	1 $\frac{3}{8}$	1 - 14 $\frac{1}{2}$	1 $\frac{1}{4}$ - 12 $\frac{1}{2}$	1 $\frac{1}{8}$	1.999	2 $\frac{1}{8}$	$\frac{5}{8}$	1 $\frac{1}{8}$	$\frac{3}{8}$	$\frac{5}{16}$	$\frac{3}{16}$	1 $\frac{1}{8}$	2 $\frac{1}{8}$	2 $\frac{1}{8}$	2 $\frac{1}{8}$	9 $\frac{1}{4}$
6	1 $\frac{1}{2}$	1 $\frac{1}{2}$	$\frac{3}{4}$ - 16 $\frac{1}{2}$	7 $\frac{1}{8}$ - 14 $\frac{1}{2}$	1 $\frac{1}{8}$	1.499	2 $\frac{1}{8}$	$\frac{1}{2}$	$\frac{7}{8}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{16}$	1 $\frac{1}{8}$	2 $\frac{1}{8}$	2 $\frac{1}{8}$	2 $\frac{1}{8}$	10 $\frac{1}{4}$
	2 $\frac{1}{2}$	1 $\frac{3}{8}$	1 - 14 $\frac{1}{2}$	1 $\frac{1}{4}$ - 12 $\frac{1}{2}$	1 $\frac{1}{8}$	1.999	2 $\frac{1}{8}$	$\frac{5}{8}$	1 $\frac{1}{8}$	$\frac{3}{8}$	$\frac{5}{16}$	$\frac{3}{16}$	1 $\frac{1}{8}$	2 $\frac{1}{8}$	2 $\frac{1}{8}$	2 $\frac{1}{8}$	10 $\frac{1}{4}$
7	1 $\frac{1}{2}$	1 $\frac{1}{2}$	$\frac{3}{4}$ - 16 $\frac{1}{2}$	7 $\frac{1}{8}$ - 14 $\frac{1}{2}$	1 $\frac{1}{8}$	1.499	2 $\frac{1}{8}$	$\frac{1}{2}$	$\frac{7}{8}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{16}$	1 $\frac{1}{8}$	2 $\frac{1}{8}$	2 $\frac{1}{8}$	2 $\frac{1}{8}$	12 $\frac{1}{4}$
	2 $\frac{1}{2}$	1 $\frac{3}{8}$	1 - 14 $\frac{1}{2}$	1 $\frac{1}{4}$ - 12 $\frac{1}{2}$	1 $\frac{1}{8}$	1.999	2 $\frac{1}{8}$	$\frac{5}{8}$	1 $\frac{1}{8}$	$\frac{3}{8}$	$\frac{5}{16}$	$\frac{3}{16}$	1 $\frac{1}{8}$	2 $\frac{1}{8}$	2 $\frac{1}{8}$	2 $\frac{1}{8}$	12 $\frac{1}{4}$
8	1 $\frac{1}{2}$	1 $\frac{1}{2}$	$\frac{3}{4}$ - 16 $\frac{1}{2}$	7 $\frac{1}{8}$ - 14 $\frac{1}{2}$	1 $\frac{1}{8}$	1.499	2 $\frac{1}{8}$	$\frac{1}{2}$	$\frac{7}{8}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{16}$	1 $\frac{1}{8}$	2 $\frac{1}{8}$	2 $\frac{1}{8}$	2 $\frac{1}{8}$	13 $\frac{1}{4}$
	2 $\frac{1}{2}$	1 $\frac{3}{8}$	1 - 14 $\frac{1}{2}$	1 $\frac{1}{4}$ - 12 $\frac{1}{2}$	1 $\frac{1}{8}$	1.999	2 $\frac{1}{8}$	$\frac{5}{8}$	1 $\frac{1}{8}$	$\frac{3}{8}$	$\frac{5}{16}$	$\frac{3}{16}$	1 $\frac{1}{8}$	2 $\frac{1}{8}$	2 $\frac{1}{8}$	2 $\frac{1}{8}$	13 $\frac{1}{4}$

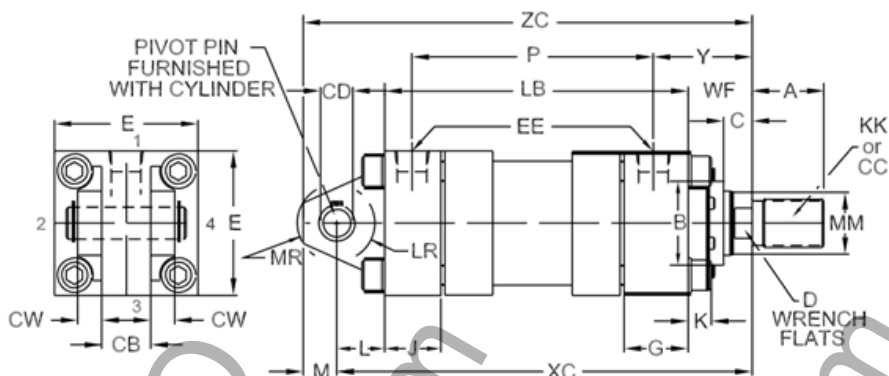
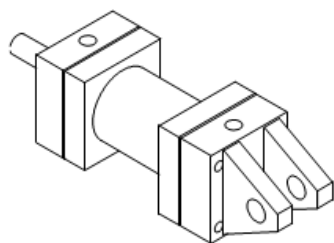
安装方式 BB、SB、BE

Fixed Clevis, Pivot Eye and Self Aligning Eye Mounting Styles

Fixed Clevis

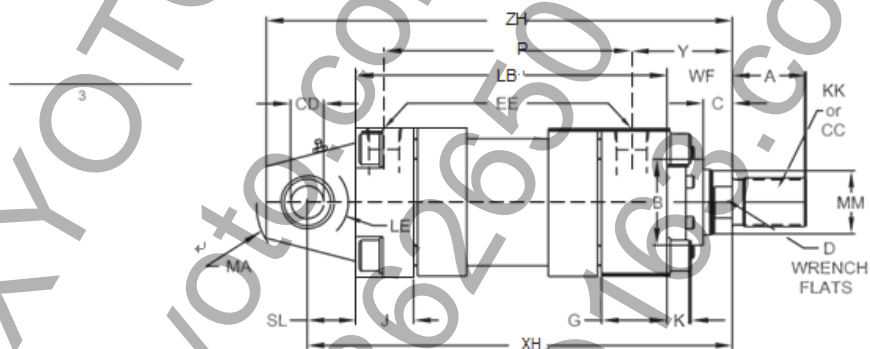
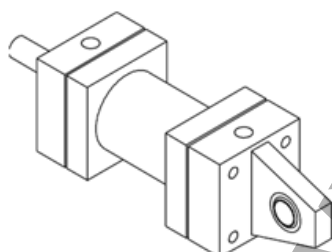
Style BB

NFPA Style MP1
1.5" thru 8" Bore



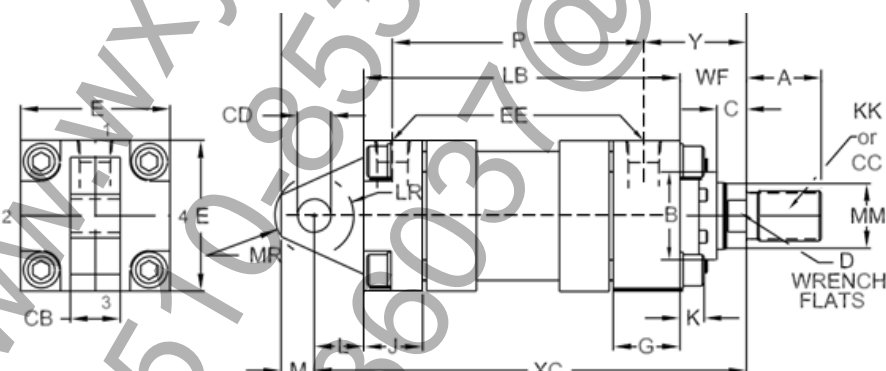
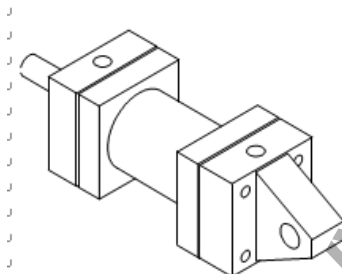
Self Aligning Eye Style SB

NFPA Style MPU3
1.5" thru 6" Bore



Style BE

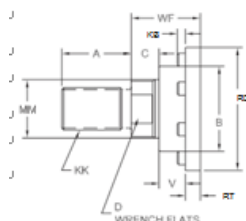
NFPA Style MP3
1.5" thru 8" Bore



Rod End Dimensions

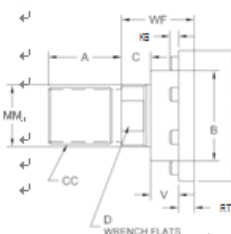
Style 4

Standard Male Thread



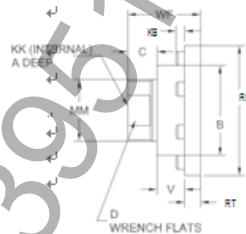
Style 8

Oversize Male Thread



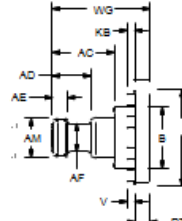
Style 9

Female Thread



Style 55

Split Coupler



See Page 26 for dimensional data.

Style 3

"Specials"

Thread Style 3
Special thread,
extension, rod eye,
blank, etc., are also
available.

To order, specify
"Style 3" and give
desired dimensions
for CC or KK, A and
WF. If otherwise
special, supply
dimensioned sketch.

尺寸表

Envelope and Mounting Dimensions

BORE	CB	CD	EX	CW	E	EE		G	J	K	L	LE	LR
						SAE	NPTF						
1 $\frac{1}{2}$	$\frac{3}{4}$	0.501	$\frac{7}{16}$	$\frac{1}{2}$	2 $\frac{1}{2}$	#8	$\frac{1}{2}$	1 $\frac{3}{4}$	1 $\frac{1}{2}$	.38	$\frac{3}{4}$	$\frac{7}{8}$	$\frac{9}{16}$
2	1 $\frac{1}{4}$	0.751	$\frac{21}{32}$	$\frac{5}{8}$	3	#8	$\frac{1}{2}$	1 $\frac{3}{4}$	1 $\frac{1}{2}$	.50	1 $\frac{1}{4}$	$\frac{7}{8}$	1
2 $\frac{1}{2}$	1 $\frac{1}{4}$	0.751	$\frac{21}{32}$	$\frac{5}{8}$	3 $\frac{1}{2}$	#8	$\frac{1}{2}$	1 $\frac{3}{4}$	1 $\frac{1}{2}$	.50	1 $\frac{1}{4}$	$\frac{7}{8}$	1 $\frac{5}{16}$
3 $\frac{1}{4}$	1 $\frac{1}{2}$	1.001	$\frac{7}{8}$	$\frac{3}{4}$	4 $\frac{1}{2}$	#12	$\frac{3}{4}$	2	1 $\frac{3}{4}$	.63	1 $\frac{1}{2}$	1 $\frac{1}{8}$	1 $\frac{1}{4}$
4	2	1.376	1 $\frac{3}{16}$	1	5	#12	$\frac{3}{4}$	2	1 $\frac{3}{4}$	.63	2 $\frac{1}{8}$	1 $\frac{1}{2}$	1 $\frac{3}{4}$
5	2 $\frac{1}{2}$	1.751	1 $\frac{17}{32}$	1 $\frac{1}{4}$	6 $\frac{1}{2}$	#12	$\frac{3}{4}$	2	1 $\frac{3}{4}$	.88	2 $\frac{1}{4}$	1 $\frac{5}{16}$	2 $\frac{1}{16}$
6	2 $\frac{1}{2}$	2.001	1 $\frac{3}{4}$	1 $\frac{1}{4}$	7 $\frac{1}{2}$	#16	1	2 $\frac{1}{4}$	2 $\frac{1}{4}$	1.00	2 $\frac{1}{2}$	2 $\frac{3}{16}$	2 $\frac{5}{16}$
7	3	2.501	—	1 $\frac{1}{2}$	8 $\frac{1}{2}$	#20	1 $\frac{1}{4}$	2 $\frac{3}{4}$	2 $\frac{3}{4}$	1.13	3	—	2 $\frac{3}{4}$
8	3	3.001	—	1 $\frac{1}{2}$	9 $\frac{1}{2}$	#24	1 $\frac{1}{2}$	3	3	1.25	3 $\frac{1}{4}$	—	3 $\frac{1}{4}$

Envelope and Mounting Dimensions—Continued

BORE	M	MA	MR	SL	Add Stroke		MIN STROKE
					LB	P	
1 $\frac{1}{2}$	$\frac{1}{2}$	1 $\frac{1}{4}$	$\frac{5}{8}$	$\frac{3}{4}$	4 $\frac{5}{8}$	2 $\frac{7}{8}$	1.63
2	$\frac{3}{4}$	1 $\frac{1}{4}$	$\frac{15}{16}$	1 $\frac{1}{4}$	4 $\frac{5}{8}$	2 $\frac{7}{8}$	1.63
2 $\frac{1}{2}$	$\frac{3}{4}$	1 $\frac{1}{4}$	$\frac{15}{16}$	1 $\frac{1}{4}$	4 $\frac{3}{4}$	3	1.50
3 $\frac{1}{4}$	1	1 $\frac{1}{2}$	1 $\frac{3}{16}$	1 $\frac{1}{2}$	5 $\frac{1}{2}$	3 $\frac{1}{2}$	1.75
4	1 $\frac{3}{8}$	1 $\frac{3}{4}$	1 $\frac{5}{8}$	2 $\frac{1}{8}$	5 $\frac{3}{4}$	3 $\frac{3}{4}$	1.50
5	1 $\frac{3}{4}$	2 $\frac{1}{4}$	2 $\frac{1}{8}$	2 $\frac{1}{4}$	6 $\frac{1}{4}$	4 $\frac{1}{4}$	1.50
6	2	2 $\frac{3}{4}$	2 $\frac{3}{8}$	2 $\frac{1}{2}$	7 $\frac{3}{8}$	4 $\frac{7}{8}$	2.38
7	2 $\frac{1}{2}$	—	2 $\frac{7}{8}$	—	8 $\frac{1}{2}$	5 $\frac{1}{2}$	3.25
8	2 $\frac{3}{4}$	—	3 $\frac{1}{8}$	—	9 $\frac{1}{2}$	6 $\frac{1}{4}$	4.75

BORE ₁	Rod No. ₁	MM Rod Size ₁	Thread ₂		A ₁	B ₁	RD ₁	C ₁	D ₁	RT ₁	V ₁	KB ₁	WF ₁	Y ₁	Add Stroke ₁			
			Style 4 & 9 ₂	Style 8 ₂											XC ₁	XH ₁	ZC ₁	ZH ₁
			KK ₁	CC ₁														
1½	1* ₂	⅝ ₂	7/16 - 20 ₂	½ - 20 ₂	¾ ₂	1.124 ₂	1⅝/16 ₂	⅜ ₂	½ ₂	⅜ ₂	¼ ₂	⅜/16 ₂	1* ₂	2* ₂	6⅜ ₂	6⅜ ₂	6⅞ ₂	7⅞ ₂
	2* ₂	1* ₂	¾ - 16 ₂	7/8 - 14 ₂	1⅞ ₂	1.499 ₂	2⅞ ₂	½ ₂	7/8 ₂	⅜ ₂	½ ₂	⅜/16 ₂	1⅞ ₂	2⅞ ₂	6¾ ₂	6¾ ₂	7¼ ₂	7½ ₂
2	1* ₂	1* ₂	¾ - 16 ₂	7/8 - 14 ₂	1⅞ ₂	1.499 ₂	2⅞ ₂	½ ₂	7/8 ₂	⅜ ₂	½ ₂	⅜/16 ₂	1⅞ ₂	2⅞ ₂	7¼ ₂	7¼ ₂	8* ₂	8¼ ₂
	2* ₂	1⅜ ₂	1 - 14 ₂	1¼ - 12 ₂	1⅝ ₂	1.999 ₂	2⅞ ₂	⅝ ₂	1⅞ ₂	⅜ ₂	⅝ ₂	⅜/16 ₂	1⅝ ₂	2⅝ ₂	7½ ₂	7½ ₂	8¼ ₂	8½ ₂
2½	1* ₂	1* ₂	¾ - 16 ₂	7/8 - 14 ₂	1⅞ ₂	1.499 ₂	2⅞ ₂	½ ₂	7/8 ₂	⅜ ₂	½ ₂	⅜/16 ₂	1⅞ ₂	2⅞ ₂	7⅞ ₂	7⅞ ₂	8⅞ ₂	8⅞ ₂
	3* ₂	1⅜ ₂	1 - 14 ₂	1¼ - 12 ₂	1⅝ ₂	1.999 ₂	2⅞ ₂	⅝ ₂	1⅞ ₂	⅜ ₂	⅝ ₂	⅜/16 ₂	1⅝ ₂	2⅝ ₂	7⅞ ₂	7⅞ ₂	8⅞ ₂	8⅞ ₂
3¼	1* ₂	1⅞ ₂	1 - 14 ₂	1¼ - 12 ₂	1⅝ ₂	1.999 ₂	2⅞ ₂	⅝ ₂	1⅞ ₂	⅜ ₂	⅝ ₂	⅜/16 ₂	1⅝ ₂	2⅞ ₂	8⅞ ₂	8⅞ ₂	9⅞ ₂	9⅞ ₂
	3* ₂	1¾ ₂	1¼ - 12 ₂	1½ - 12 ₂	2* ₂	2.374 ₂	3⅞ ₂	¾ ₂	1½ ₂	⅝ ₂	½ ₂	⅜/16 ₂	1⅞ ₂	3* ₂	8⅞ ₂	8⅞ ₂	9⅞ ₂	10⅞ ₂
4	1* ₂	1¾ ₂	1¼ - 12 ₂	1½ - 12 ₂	2* ₂	2.374 ₂	3⅞ ₂	¾ ₂	1½ ₂	⅝ ₂	½ ₂	⅜/16 ₂	1⅞ ₂	3* ₂	9¾ ₂	9¾ ₂	11⅞ ₂	11⅞ ₂
	3* ₂	2* ₂	1½ - 12 ₂	1¾ - 12 ₂	2¼ ₂	2.624 ₂	3⅞ ₂	7/8 ₂	1⅞/16 ₂	⅝ ₂	½ ₂	⅜/16 ₂	2* ₂	3⅞ ₂	9⅞ ₂	9⅞ ₂	11⅞ ₂	11⅞/4 ₂
5	1* ₂	2* ₂	1½ - 12 ₂	1¾ - 12 ₂	2¼ ₂	2.624 ₂	3⅞ ₂	7/8 ₂	1⅞/16 ₂	⅝ ₂	½ ₂	⅜/16 ₂	2* ₂	3⅞ ₂	10½ ₂	10½ ₂	12⅞ ₂	13* ₂
	3* ₂	2½ ₂	1½ - 12 ₂	1¾ - 12 ₂	3* ₂	3.124 ₂	4⅞ ₂	1* ₂	2⅞/16 ₂	⅝ ₂	⅝ ₂	¼ ₂	2¼ ₂	3⅞ ₂	10⅞ ₂	10⅞ ₂	11½ ₂	12* ₂
6	1* ₂	2* ₂	1½ - 12 ₂	1¾ - 12 ₂	2¼ ₂	2.624 ₂	3⅞ ₂	7/8 ₂	1⅞/16 ₂	⅝ ₂	½ ₂	⅜/16 ₂	2* ₂	3⅞ ₂	10½ ₂	10½ ₂	12⅞ ₂	13* ₂
	3* ₂	2½ ₂	1½ - 12 ₂	1¾ - 12 ₂	3* ₂	3.124 ₂	4⅞ ₂	1* ₂	2⅞/16 ₂	⅝ ₂	⅝ ₂	¼ ₂	2¼ ₂	3⅞ ₂	10⅞ ₂	10⅞ ₂	12½ ₂	13¼ ₂
7	1* ₂	3* ₂	2¼ - 12 ₂	2⅞ - 12 ₂	3⅞ ₂	3.749 ₂	5⅞/16 ₂	1* ₂	2⅞ ₂	⅝/16 ₂	⅝/16 ₂	— ₂	2¼ ₂	3⅞ ₂	10¾ ₂	10¾ ₂	12½ ₂	13¼ ₂
	2* ₂	3⅞ ₂	2½ - 12 ₂	3¼ - 12 ₂	3⅞ ₂	4.249 ₂	5⅞/16 ₂	1* ₂	3* ₂	⅝/16 ₂	⅝/16 ₂	— ₂	2¼ ₂	3⅞ ₂	10¾ ₂	10¾ ₂	12½ ₂	13¼ ₂
8	1* ₂	2* ₂	1½ - 12 ₂	1¾ - 12 ₂	2¼ ₂	2.624 ₂	3⅞ ₂	7/8 ₂	1⅞/16 ₂	⅝ ₂	½ ₂	⅜/16 ₂	2* ₂	3⅞ ₂	10½ ₂	10½ ₂	12⅞ ₂	13* ₂
	3* ₂	2½ ₂	1½ - 12 ₂	1¾ - 12 ₂	3* ₂	3.124 ₂	4⅞ ₂	1* ₂	2⅞/16 ₂	⅝ ₂	⅝ ₂	¼ ₂	2¼ ₂	3⅞ ₂	10⅞ ₂	10⅞ ₂	11½ ₂	12* ₂
9	1* ₂	3* ₂	2¼ - 12 ₂	2⅞ - 12 ₂	3⅞ ₂	3.749 ₂	5⅞/16 ₂	1* ₂	2⅞ ₂	⅝/16 ₂	⅝/16 ₂	— ₂	2¼ ₂	3⅞ ₂	10¾ ₂	10¾ ₂	12½ ₂	13¼ ₂
	2* ₂	3⅞ ₂	2½ - 12 ₂	3¼ - 12 ₂	3⅞ ₂	4.249 ₂	5⅞/16 ₂	1* ₂	3* ₂	⅝/16 ₂	⅝/16 ₂	— ₂	2¼ ₂	3⅞ ₂	10¾ ₂	10¾ ₂	12½ ₂	13¼ ₂
10	1* ₂	3* ₂	2¼ - 12 ₂	2⅞ - 12 ₂	3⅞ ₂	3.749 ₂	5⅞/16 ₂	1* ₂	2⅞ ₂	⅝/16 ₂	⅝/16 ₂	— ₂	2¼ ₂	3⅞ ₂	10¾ ₂	10¾ ₂	12½ ₂	13¼ ₂
	2* ₂	3⅞ ₂	2½ - 12 ₂	3¼ - 12 ₂	3⅞ ₂	4.249 ₂	5⅞/16 ₂	1* ₂	3* ₂	⅝/16 ₂	⅝/16 ₂	— ₂	2¼ ₂	3⅞ ₂	10¾ ₂	10¾ ₂	12½ ₂	13¼ ₂
11	1* ₂	3* ₂	2¼ - 12 ₂	2⅞ - 12 ₂	3⅞ ₂	3.749 ₂	5⅞/16 ₂	1* ₂	2⅞ ₂	⅝/16 ₂	⅝/16 ₂	— ₂	2¼ ₂	3⅞ ₂	10¾ ₂	10¾ ₂	12½ ₂	13¼ ₂
	2* ₂	3⅞ ₂	2½ - 12 ₂	3¼ - 12 ₂	3⅞ ₂	4.249 ₂	5⅞/16 ₂	1* ₂	3* ₂	⅝/16 ₂	⅝/16 ₂	— ₂	2¼ ₂	3⅞ ₂	10¾ ₂	10¾ ₂	12½ ₂	13¼ ₂
12	1* ₂	3* ₂	2¼ - 12 ₂	2⅞ - 12 ₂	3⅞ ₂	3.749 ₂	5⅞/16 ₂	1* ₂	2⅞ ₂	⅝/16 ₂	⅝/16 ₂	— ₂	2¼ ₂	3⅞ ₂	10¾ ₂	10¾ ₂	12½ ₂	13¼ ₂
	2* ₂	3⅞ ₂	2½ - 12 ₂	3¼ - 12 ₂	3⅞ ₂	4.249 ₂	5⅞/16 ₂	1* ₂	3* ₂	⅝/16 ₂	⅝/16 ₂	— ₂	2¼ ₂	3⅞ ₂	10¾ ₂	10¾ ₂	12½ ₂	13¼ ₂
13	1* ₂	3* ₂	2¼ - 12 ₂	2⅞ - 12 ₂	3⅞ ₂	3.749 ₂	5⅞/16 ₂	1* ₂	2⅞ ₂	⅝/16 ₂	⅝/16 ₂	— ₂	2¼ ₂	3⅞ ₂	10¾ ₂	10¾ ₂	12½ ₂	13¼ ₂
	2* ₂	3⅞ ₂	2½ - 12 ₂	3¼ - 12 ₂	3⅞ ₂	4.249 ₂	5⅞/16 ₂	1* ₂	3* ₂	⅝/16 ₂	⅝/16 ₂	— ₂	2¼ ₂	3⅞ ₂	10¾ ₂	10¾ ₂	12½ ₂	13¼ ₂
14	1* ₂	3* ₂	2¼ - 12 ₂	2⅞ - 12 ₂	3⅞ ₂	3.749 ₂	5⅞/16 ₂	1* ₂	2⅞ ₂	⅝/16 ₂	⅝/16 ₂	— ₂	2¼ ₂	3⅞ ₂	10¾ ₂	10¾ ₂	12½ ₂	13¼ ₂
	2* ₂	3⅞ ₂	2½ - 12 ₂	3¼ - 12 ₂	3⅞ ₂	4.249 ₂	5⅞/16 ₂	1* ₂	3* ₂	⅝/16 ₂	⅝/16 ₂	— ₂	2¼ ₂	3⅞ ₂	10¾ ₂	10¾ ₂	12½ ₂	13¼ ₂
15	1* ₂	3* ₂	2¼ - 12 ₂	2⅞ - 12 ₂	3⅞ ₂	3.749 ₂	5⅞/16 ₂	1* ₂	2⅞ ₂	⅝/16 ₂	⅝/16 ₂	— ₂	2¼ ₂	3⅞ ₂	10¾ ₂	10¾ ₂	12½ ₂	13¼ ₂
	2* ₂	3⅞ ₂	2½ - 12 ₂	3¼ - 12 ₂	3⅞ ₂	4.249 ₂	5⅞/16 ₂	1* ₂	3* ₂	⅝/16 ₂	⅝/16 ₂	— ₂	2¼ ₂	3⅞ ₂	10¾ ₂	10¾ ₂	12½ ₂	13¼ ₂
16	1* ₂	3* ₂	2¼ - 12 ₂	2⅞ - 12 ₂	3⅞ ₂	3.749 ₂	5⅞/16 ₂	1* ₂	2⅞ ₂	⅝/16 ₂	⅝/16 ₂	— ₂	2¼ ₂	3⅞ ₂	10¾ ₂	10¾ ₂	12½ ₂	13¼ ₂
	2* ₂	3⅞ ₂	2½ - 12 ₂	3¼ - 12 ₂	3⅞ ₂	4.249 ₂	5⅞/16 ₂	1* ₂	3* ₂	⅝/16 ₂	⅝/16 ₂	— ₂	2¼ ₂	3⅞ ₂	10¾ ₂	10¾ ₂	12½ ₂	13¼ ₂
17	1* ₂	3* ₂	2¼ - 12 ₂	2⅞ - 12 ₂	3⅞ ₂	3.749 ₂	5⅞/16 ₂	1* ₂	2⅞ ₂	⅝/16 ₂	⅝/16 ₂	— ₂	2¼ ₂	3⅞ ₂	10¾ ₂	10¾ ₂	12½ ₂	13¼ ₂
	2* ₂	3⅞ ₂	2½ - 12 ₂	3¼ - 12 ₂	3⅞ ₂	4.249 ₂	5⅞/16 ₂	1* ₂	3* ₂	⅝/16 ₂	⅝/16 ₂	— ₂	2¼ ₂	3⅞ ₂	10¾ ₂	10¾ ₂	12½ ₂	13¼ ₂
18	1* ₂	3* ₂	2¼ - 12 ₂	2⅞ - 12 ₂	3⅞ ₂	3.749 ₂	5⅞/16 ₂	1* ₂	2⅞ ₂	⅝/16 ₂	⅝/16 ₂	— ₂	2¼ ₂	3⅞ ₂	10¾ ₂	10¾ ₂	12½ ₂	13¼ ₂
	2* ₂	3⅞ ₂	2½ - 12 ₂	3¼ - 12 ₂	3⅞ ₂	4.249 ₂	5⅞/16 ₂	1* ₂	3* ₂	⅝/16 ₂	⅝/16 ₂	— ₂	2¼ ₂	3⅞ ₂	10¾ ₂	10¾ ₂	12½ ₂	13¼ ₂
19	1* ₂	3* ₂	2¼ - 12 ₂	2⅞ - 12 ₂	3⅞ ₂	3.749 ₂	5⅞/16 ₂	1* ₂	2⅞ ₂	⅝/16 ₂	⅝/16 ₂	— ₂	2¼ ₂	3⅞ ₂	10¾ ₂	10¾ ₂	12½ ₂	13¼ ₂
	2* ₂	3⅞ ₂	2½ - 12 ₂	3¼ - 12 ₂	3⅞ ₂	4.249 ₂	5⅞/16 ₂	1* ₂	3* ₂	⅝/16 ₂	⅝/16 ₂	— ₂	2¼ ₂	3⅞ ₂	10¾ ₂	10¾ ₂	12½ ₂	13¼ ₂
20	1* ₂	3* ₂	2¼ - 12 ₂	2⅞ - 12 ₂	3⅞ ₂	3.749 ₂	5⅞/16 ₂	1* ₂	2⅞ ₂	⅝/16 ₂	⅝/16 ₂	— ₂	2¼ ₂	3⅞ ₂	10¾ ₂	10¾ ₂	12½ ₂	13¼ ₂
	2* ₂	3⅞ ₂	2½ - 12 ₂	3¼ - 12 ₂	3⅞ ₂	4.249 ₂	5⅞/16 ₂	1* ₂	3* ₂	⅝/16 ₂	⅝/16 ₂	— ₂	2¼ ₂	3⅞ ₂	10¾ ₂	10¾ ₂	12½ ₂	13¼ ₂
21	1* ₂	3* ₂	2¼ - 12 ₂	2⅞ - 12 ₂	3⅞ ₂	3.749 ₂	5⅞/16 ₂	1* ₂	2⅞ ₂	⅝/16 ₂	⅝/16 ₂	— ₂	2¼ ₂	3⅞ ₂	10¾ ₂	10¾ ₂	12½ ₂	13¼ ₂
	2* ₂	3⅞ ₂	2½ - 12 ₂	3¼ - 12 ₂	3⅞ ₂	4.249 ₂	5⅞/16 ₂	1* ₂	3* ₂	⅝/16 ₂	⅝/16 ₂	— ₂	2¼ ₂	3⅞ ₂	10¾ ₂	10¾ ₂	12½ ₂	13¼ ₂
22	1* ₂	3* ₂	2¼ - 12 ₂	2⅞ - 12 ₂	3⅞ ₂	3.749 ₂	5⅞/16 ₂	1* ₂	2⅞ ₂	⅝/16 ₂	⅝/16 ₂	— ₂	2¼ ₂	3⅞ ₂	1			

安装方式 D、DD、DB

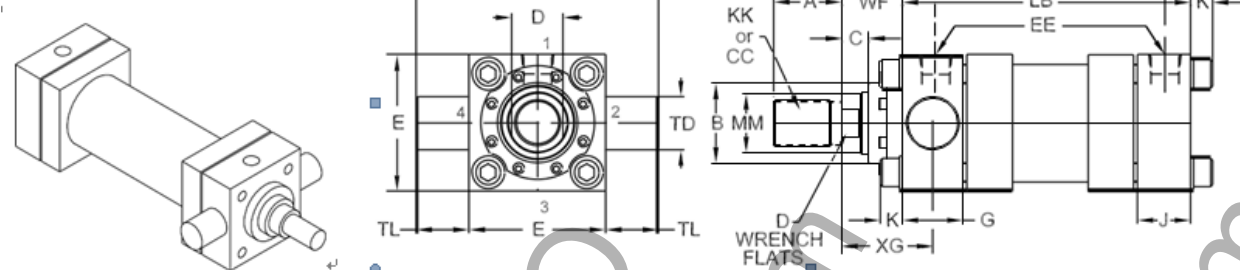
Trunnion Mounting Styles

Rod End Trunnion

Style D

NFPA Style MT1

1.5" thru 8" Bore

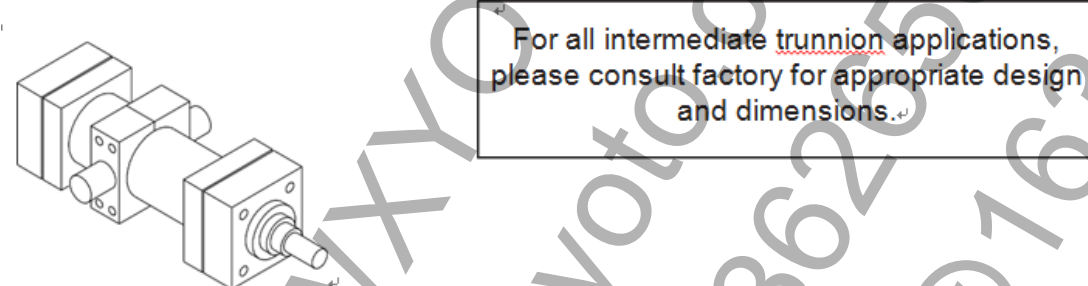


Intermediate Trunnion

Style DD

NFPA Style MT4

1.5" thru 8" Bore



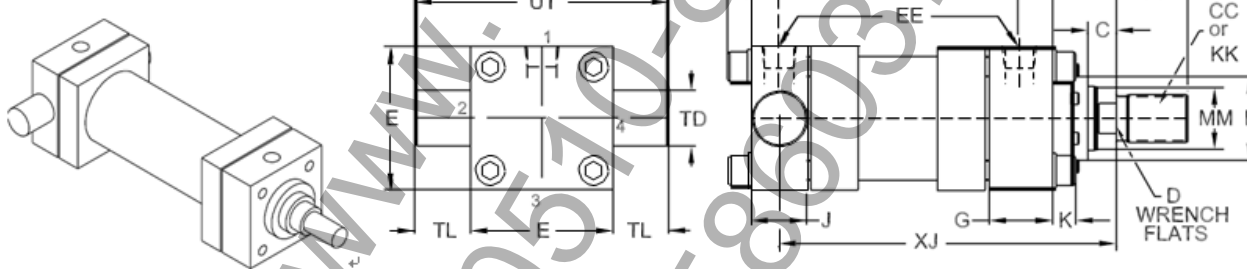
For all intermediate trunnion applications, please consult factory for appropriate design and dimensions.

Cap End Trunnion

Style DB

NFPA Style MT2

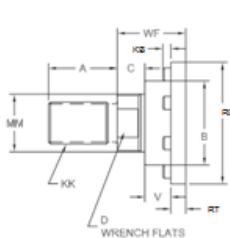
1.5" thru 8" Bore



Rod End Dimensions

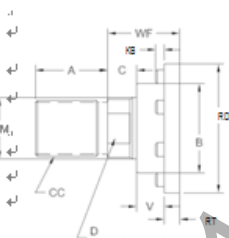
Style 4

Standard Male Thread



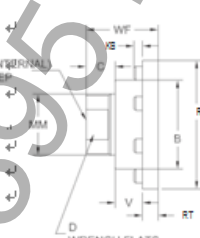
Style 8

Oversize Male Thread



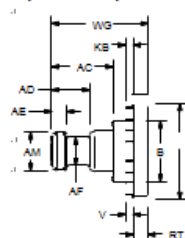
Style 9

Female Thread



Style 55

Split Coupler



See Page 26 for dimensional data.

Style 3

"Specials" Thread Style 3 Special thread, extension, rod eye, blank, etc., are also available.

To order, specify "Style 3" and give desired dimensions for CC or KK, A and WF. If otherwise special, supply dimensioned sketch.

尺寸表

Envelope and Mounting Dimensions

BORE	BD	E	EE		G	J	K	TD	TL	UT
			SAE	NPTF						
1½	1¼	2½	#8	½	1¾	1½	.38	1.000	1	4½
2	1½	3	#8	½	1¾	1½	.50	1.375	1⅜	5¾
2½	1½	3½	#8	½	1¾	1½	.50	1.375	1⅜	6¼
3¼	2	4½	#12	¾	2	1¾	.63	1.750	1¾	8
4	2	5	#12	¾	2	1¾	.63	1.750	1¾	8½
5	2	6½	#12	¾	2	1¾	.88	1.750	1¾	10
6	3	7½	#16	1	2¼	2¼	1.00	2.000	2	11½
7	3	8½	#20	1¼	2¾	2¾	1.13	2.500	2½	13½
8	3½	9½	#24	1½	3	3	1.25	3.000	3	15½

Envelope and Mounting Dimensions—Continued

BORE	Add Stroke		Minimum Stroke
	LB	P	
1½	4⅝	2⅞	1.63
2	4⅝	2⅞	1.63
2½	4¾	3	1.50
3¼	5½	3½	1.75
4	5¾	3¾	1.50
5	6¼	4¼	1.50
6	7⅞	4⅞	2.38
7	8½	5½	3.25
8	9½	6¼	4.75

BORE.	Rod No.	MM Rod Size.	Thread.		A.	B.	RD.	C.	D.	RT.	V.	KB.	WF.	XG.	Y.	Add Stroke.	
			Style 4 & 9.	Style 8.												XJ.	ZB.
			KK.	CC.													
1½	1*	⅝	7/16 - 20	1/2 - 20	¾	1.124	1 15/16	⅝	1/2	¾	1/4	3/16	1	1 1/8	2	4 7/8	6 1/8
	2	1	¾ - 16	7/8 - 14	1 1/8	1.499	2 3/8	1/2	7/8	3/8	1/2	3/16	1 3/8	2 1/4	2 3/8	5 1/4	6 1/2
2	1*	1	¾ - 16	7/8 - 14	1 1/8	1.499	2 3/8	1/2	7/8	3/8	1/2	3/16	1 3/8	2 1/4	2 3/8	5 1/4	6 1/8
	2	1 1/8	1 - 14	1 1/4 - 12	1 5/8	1.999	2 7/8	5/8	1 1/8	3/8	5/8	2/16	1 5/8	2 1/2	2 5/8	5 1/2	6 7/8
2½	1*	1	¾ - 16	7/8 - 14	1 1/8	1.499	2 3/8	1/2	7/8	3/8	1/2	3/16	1 3/8	2 1/4	2 3/8	5 3/8	6 3/4
	3	1 1/8	1 - 14	1 1/4 - 12	1 5/8	1.999	2 7/8	5/8	1 1/8	3/8	5/8	2/16	1 5/8	2 1/2	2 5/8	5 5/8	7
3¼	1*	1 1/8	1 - 14	1 1/4 - 12	1 5/8	1.999	2 7/8	5/8	1 1/8	3/8	5/8	2/16	1 5/8	2 1/2	2 5/8	5 7/8	7 1/4
	3	1 1/4	1 1/4 - 12	1 1/2 - 12	2	2.374	3 1/2	3/4	1 1/2	5/8	1/2	3/16	1 7/8	2 3/4	2 7/8	6 1/2	8 1/8
4	1*	1 1/4	1 1/4 - 12	1 1/2 - 12	2 1/4	2.624	3 3/4	7/8	1 11/16	5/8	1/2	1/4	2	3	3 1/8	6 5/8	8 1/4
	3	2	1 1/2 - 12	1 3/4 - 12	2 1/4	2.624	3 3/4	7/8	1 11/16	5/8	1/2	1/4	2	3	3 1/8	6 7/8	8 1/2
5	1*	1 1/4	1 1/4 - 12	1 1/2 - 12	2 1/4	2.624	3 3/4	7/8	1 11/16	5/8	1/2	1/4	2	3	3 1/8	7 1/8	9 1/4
	4	3	2 1/4 - 12	2 3/4 - 12	3 1/2	3.749	5 1/16	1	2 5/8	1 5/16	5/16	—	2 1/4	3 1/4	3 5/8	7 5/8	9 1/2
6	1*	1 1/2	1 1/2 - 12	1 3/4 - 12	2 1/4	2.624	3 3/4	7/8	1 11/16	5/8	1/2	1/4	2	3	3 1/8	7 3/8	9 1/4
	3	2	1 1/2 - 12	1 3/4 - 12	2 1/4	2.624	3 3/4	7/8	1 11/16	5/8	1/2	1/4	2	3	3 1/8	7 5/8	9 1/2
7	1*	1 1/2	1 1/2 - 12	1 3/4 - 12	2 1/4	2.624	3 3/4	7/8	1 11/16	5/8	1/2	1/4	2	3	3 1/8	7 3/8	9 1/4
	4	3	2 1/4 - 12	2 3/4 - 12	3 1/2	3.749	5 1/16	1	2 5/8	1 5/16	5/16	—	2 1/4	3 1/4	3 5/8	7 5/8	9 1/2
8	1*	1 3/4	1 1/2 - 12	1 3/4 - 12	3 1/2	4.249	5 5/16	1	3	1 5/16	5/16	—	2 1/4	3 1/4	3 5/8	7 5/8	9 1/2
	2	3 1/2	2 1/2 - 12	3 1/4 - 12	3 1/2	4.249	5 5/16	1	3	1 5/16	5/16	—	2 1/4	3 1/4	3 5/8	7 5/8	9 1/2
9	1*	1 3/4	1 1/2 - 12	1 3/4 - 12	3 1/2	4.249	5 5/16	1	3	1 5/16	5/16	—	2 1/4	3 1/4	3 5/8	7 5/8	9 1/2
	3	3	2 1/4 - 12	2 3/4 - 12	3 1/2	3.749	5 5/16	1	2 5/8	1 5/16	5/16	—	2 1/4	3 3/8	3 1/2	8 3/8	10 1/4
10	1*	1 3/4	1 1/2 - 12	1 3/4 - 12	3 1/2	4.249	5 5/16	1	3	1 5/16	5/16	—	2 1/4	3 3/8	3 1/2	8 3/8	10 1/4
	4	3 1/2	2 1/2 - 12	3 1/4 - 12	3 1/2	4.249	5 5/16	1	3	1 5/16	5/16	—	2 1/4	3 3/8	3 1/2	8 3/8	10 1/4
11	1*	1 3/4	1 1/2 - 12	1 3/4 - 12	3 1/2	4.249	5 5/16	1	3	1 5/16	5/16	—	2 1/4	3 3/8	3 1/2	8 3/8	10 1/4
	2	4	3 - 12	3 3/4 - 12	4	4.749	6 5/16	1	3 3/8	1 5/16	5/16	—	2 1/4	3 3/8	3 1/2	8 3/8	10 1/4
12	1*	1 3/4	1 1/2 - 12	1 3/4 - 12	3 1/2	4.249	5 5/16	1	3	1 5/16	5/16	—	2 1/4	3 3/8	3 1/2	8 3/8	10 1/4
	3	3 1/2	2 1/2 - 12	3 1/4 - 12	3 1/2	4.249	5 5/16	1	3	1 5/16	5/16	—	2 1/4	3 3/8	3 1/2	8 3/8	10 1/4
13	1*	1 3/4	1 1/2 - 12	1 3/4 - 12	3 1/2	4.249	5 5/16	1	3	1 5/16	5/16	—	2 1/4	3 3/8	3 1/2	8 3/8	10 1/4
	4	4	3 - 12	3 3/4 - 12	4	4.749	6 5/16	1	3 3/8	1 5/16	5/16	—	2 1/4	3 3/8	3 1/2	8 3/8	10 1/4
14	1*	1 3/4	1 1/2 - 12	1 3/4 - 12	3 1/2	4.249	5 5/16	1	3	1 5/16	5/16	—	2 1/4	3 3/8	3 1/2	8 3/8	10 1/4
	3	3 1/2	2 1/2 - 12	3 1/4 - 12	3 1/2	4.249	5 5/16	1	3	1 5/16	5/16	—	2 1/4	3 3/8	3 1/2	8 3/8	10 1/4
15	1*	1 3/4	1 1/2 - 12	1 3/4 - 12	3 1/2	4.249	5 5/16	1	3	1 5/16	5/16	—	2 1/4	3 3/8	3 1/2	8 3/8	10 1/4
	4	4	3 - 12	3 3/4 - 12	4	4.749	6 5/16	1	3 3/8	1 5/16	5/16	—	2 1/4	3 3/8	3 1/2	8 3/8	10 1/4
16	1*	1 3/4	1 1/2 - 12	1 3/4 - 12	3 1/2	4.249	5 5/16	1	3	1 5/16	5/16	—	2 1/4	3 3/8	3 1/2	8 3/8	10 1/4
	3	3 1/2	2 1/2 - 12	3 1/4 - 12	3 1/2	4.249	5 5/16	1	3	1 5/16	5/16	—	2 1/4	3 3/8	3 1/2	8 3/8	10 1/4
17	1*	1 3/4	1 1/2 - 12	1 3/4 - 12	3 1/2	4.249	5 5/16	1	3	1 5/16	5/16	—	2 1/4	3 3/8	3 1/2	8 3/8	10 1/4
	4	4	3 - 12	3 3/4 - 12	4	4.749	6 5/16	1	3 3/8	1 5/16	5/16	—	2 1/4	3 3/8	3 1/2	8 3/8	10 1/4
18	1*	1 3/4	1 1/2 - 12	1 3/4 - 12	3 1/2	4.249	5 5/16	1	3	1 5/16	5/16	—	2 1/4	3 3/8	3 1/2	8 3/8	10 1/4
	3	3 1/2	2 1/2 - 12	3 1/4 - 12	3 1/2	4.249	5 5/16	1	3	1 5/16	5/16	—	2 1/4	3 3/8	3 1/2	8 3/8	10 1/4
19	1*	1 3/4	1 1/2 - 12	1 3/4 - 12	3 1/2	4.249	5 5/16	1	3	1 5/16	5/16	—	2 1/4	3 3/8	3 1/2	8 3/8	10 1/4
	4	4	3 - 12	3 3/4 - 12	4	4.749	6 5/16	1	3 3/8	1 5/16	5/16	—	2 1/4	3 3/8	3 1/2	8 3/8	10 1/4
20	1*	1 3/4	1 1/2 - 12	1 3/4 - 12	3 1/2	4.249	5 5/16	1	3	1 5/16	5/16	—	2 1/4	3 3/8	3 1/2	8 3/8	10 1/4
	3	3 1/2	2 1/2 - 12	3 1/4 - 12	3 1/2	4.249	5 5/16	1	3	1 5/16	5/16	—	2 1/4	3 3/8	3 1/2	8 3/8	10 1/4
21	1*	1 3/4	1 1/2 - 12	1 3/4 - 12	3 1/2	4.249	5 5/16	1	3	1 5/16	5/16	—	2 1/4	3 3/8	3 1/2	8 3/8	10 1/4
	4	4	3 - 12	3 3/4 - 12	4	4.749	6 5/16	1	3 3/8	1 5/16	5/16	—	2 1/4	3 3/8	3 1/2	8 3/8	10 1/4
22	1*	1 3/4	1 1/2 - 12	1 3/4 - 12	3 1/2	4.249	5 5/16	1	3	1 5/16	5/16	—	2 1/4	3 3/8	3 1/2	8 3/8	10 1/4
	3	3 1/2	2 1/2 - 12	3 1/4 - 12	3 1/2	4.249	5 5/16	1	3	1 5/16	5/16	—	2 1/4	3 3/8	3 1/2	8 3/8	10 1/4
23	1*	1 3/4	1 1/2 - 12	1 3/4 - 12	3 1/2	4.249	5 5/16	1	3	1 5/16	5/16	—	2 1/4	3 3/8	3 1/2	8 3/8	10 1/4
	4	4	3 - 12	3 3/4 - 12	4	4.749	6 5/16	1	3 3/8	1 5/16	5/16	—	2 1/4	3 3/8	3 1/2	8 3/8	10 1/4
24	1*	1 3/4	1 1/2 - 12	1 3/4 - 12	3 1/2	4.249	5 5/16	1	3	1 5/16	5/16	—	2 1/4	3 3/8	3 1/2	8 3/8	10 1/4
	3	3 1/2	2 1/2 - 12	3 1/4 - 12	3 1/2	4.249	5 5/16	1	3	1 5/16	5/16	—	2 1/4	3 3/8	3 1/2	8 3/8	10 1/4
25	1*	1 3/4	1 1/2 - 12	1 3/4 - 12	3 1/2	4.249	5 5/16	1	3	1 5/16	5/16	—	2 1/4	3 3/8	3 1/2	8 3/8	10 1/4
	4	4	3 - 12	3 3/4 - 12	4	4.749	6 5/16	1	3 3/8	1 5/16	5/16	—	2 1/4	3 3/8	3 1/2	8 3/8	10 1/4
26	1*	1 3/4	1 1/2 - 12	1 3/4 - 12	3 1/2	4.249	5 5/16	1	3	1 5/16	5/16	—	2 1/4	3 3/8	3 1/2	8 3/8	10 1/4
	3	3 1/2	2 1/2 - 12	3 1/4 - 12	3 1/2	4.249	5 5/16	1	3	1 5/16	5/16	—	2 1/4	3 3/8	3 1/2	8 3/8	10 1/4
27	1*	1 3/4	1 1/2 - 12	1 3/4 - 12	3 1/2	4.249	5 5/16	1	3	1 5/16	5/16	—	2 1/4	3 3/8	3 1/2	8 3/8	10 1/4
	4	4	3 - 12	3 3/4 - 12	4	4.749	6 5/16	1	3 3/8	1 5/16	5/16	—	2 1/4	3 3/8	3 1/2	8 3/8	10 1/4
28	1*	1 3/4	1 1/2 - 12	1 3/4 - 12	3 1/2	4.249	5 5/16	1	3	1 5/16	5/16	—	2 1/4	3 3/8	3 1/2	8 3/8	10 1/4
	3	3 1/2	2 1/2 - 12	3 1/4 - 12	3 1/2	4.249	5 5/16	1	3	1 5/16	5/16	—	2 1/4	3 3/8	3 1/2	8 3/8	10 1/4
29	1*	1 3/4	1 1/2 - 12	1 3/4 - 12	3 1/2	4.249	5 5/16	1	3	1 5/16	5/16	—	2 1/4	3 3/8	3 1/2	8 3/8	10 1/4
	4	4	3 - 12	3 3/4 - 12	4	4.749	6 5/16	1	3 3/8	1 5/16	5/16	—	2 1/4	3 3/8	3 1/2	8 3/8	10 1/4
30	1*	1 3/4	1 1/2 - 12	1 3/4 - 12	3 1/2	4.249	5 5/16	1	3	1 5/16	5/16	—	2 1/4	3 3/8	3 1/2	8 3/8	10 1/4
	3	3 1/2	2 1/2 - 12	3 1/4 - 12	3 1/2	4.249	5 5/16	1	3	1 5/16	5/16	—	2 1/4	3 3/8	3 1/2	8 3/8	10 1/4
31	1*	1 3/4	1 1/2 - 12	1 3/4 - 12	3 1/2	4.249	5 5/16	1	3	1 5/16	5/16	—	2 1/4	3 3/8	3 1/2	8 3/8	10 1/4
	4	4	3 - 12	3 3/4 - 12	4	4.749	6 5/16	1	3 3/8	1 5/16	5/16	—	2 1/4	3 3/8	3 1/2	8 3/8	10 1/4
32	1*	1 3/4	1 1/2 - 12	1 3/4 - 12	3 1/2	4.249	5 5/16	1	3	1 5/16	5/16	—	2 1/4	3 3/8	3 1/2	8 3/8	10 1/4
	3	3 1/2	2 1/2 - 12	3 1/4 - 12	3 1/2	4.249	5 5/16	1	3	1 5/16	5/16	—	2 1/4	3 3/8	3 1/2	8 3/8	10 1/4
33	1*	1 3/4	1 1/2 - 12	1 3/4 - 12	3 1/2	4.249	5 5/16	1	3	1 5/16	5/16	—	2 1/4	3 3/8	3 1/2	8 3/8	10 1/4
	4	4	3 - 12	3 3/4 - 12	4	4.749	6 5/16	1	3 3/8	1 5/16	5/16	—	2 1/4	3 3/8	3 1/2	8 3/8	10 1/4
34	1*	1 3/4	1 1/2 - 12	1 3/4 - 12	3 1/2	4.249	5 5/16	1	3	1 5/16	5/16	—	2 1/4	3 3/8	3 1/2	8 3/8	10 1/4
	3	3 1/2	2 1/2 - 12	3 1/4 - 12	3 1/2	4.249	5 5/16	1	3	1 5/16	5/16	—	2 1/4	3 3/8	3 1/2	8 3/8	10 1/4
35	1*	1 3/4	1 1/2 - 12	1 3/4 - 12	3 1/2	4.249	5 5/16	1	3	1 5/16	5/16	—	2 1/4	3 3/8	3 1/2	8 3/8	10 1/4
	4	4	3 - 12	3 3/4 - 12	4	4.749	6 5/16	1									

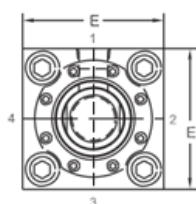
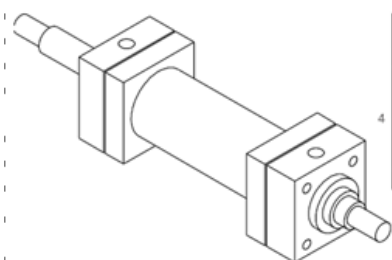
安装方式 KTB

Double Rod End Mount

Style KTB

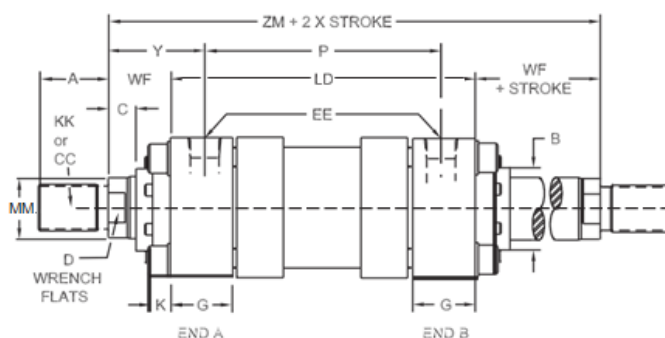
NFPA Style MD

1.5" thru 8" Bore



Rod End #1

Rod End #2

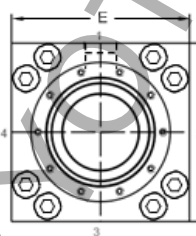
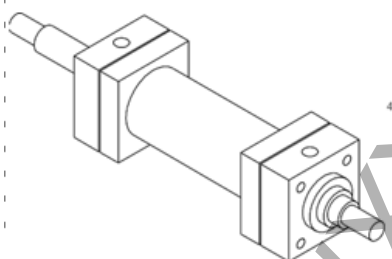


Double Rod End Mount

Style KTB

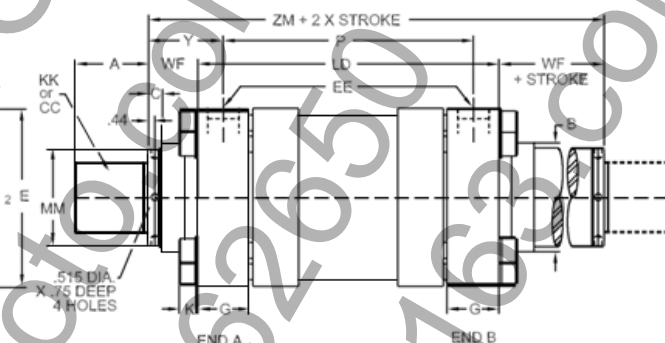
NFPA Style MD

10" thru 14" Bore



Rod End #1

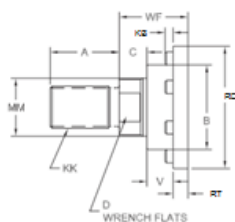
Rod End #2



Rod End Dimensions

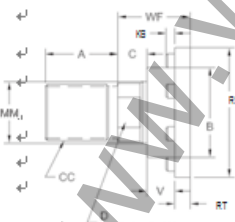
Style 4

Standard Male Thread



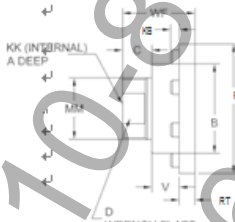
Style 8

Oversize Male Thread



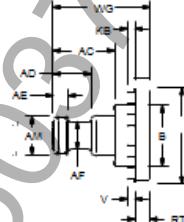
Style 9

Female Thread



Style 55

Split Coupler



Style 3

"Specials"

Thread Style 3
Special thread,
extension, rod eye,
blank, etc., are also
available.

To order, specify
"Style 3" and give
desired dimensions
for CC or KK, A and
WF. If otherwise
special, supply
dimensioned sketch.

See Page 26 for
dimensional data.

尺寸表

Basic Dimensions for Small Rod Size

Bore	LD	SN	SS	ZM
1 ^{1/2}	4 ^{7/8}	2 ^{7/8}	4 ^{1/8}	6 ^{7/8}
2	4 ^{7/8}	2 ^{7/8}	3 ^{7/8}	7 ^{5/8}
2 ^{1/2}	5	3	3 ^{5/8}	7 ^{3/4}
3 ^{1/4}	5 ^{3/4}	3 ^{1/2}	4 ^{3/8}	9
4	6	4	4 ^{1/4}	9 ^{3/4}
5	6 ^{1/2}	4 ^{1/4}	4 ^{3/4}	10 ^{1/2}
6	7 ^{3/8}	4 ^{7/8}	5 ^{1/8}	11 ^{7/8}
7	8 ^{1/2}	5 ^{3/8}	5 ^{3/4}	13
8	9 ^{1/2}	6 ^{1/8}	6 ^{3/4}	14
10	* www.wxyoto.com			18
12				20 ^{7/8}
14				20 ^{5/8}

*Envelope dimensions for 10-14" sizes do not change from single rod end style.

Mountings available in double rod end style: JJ, JB, E, F, C, D and DD.

安装方式

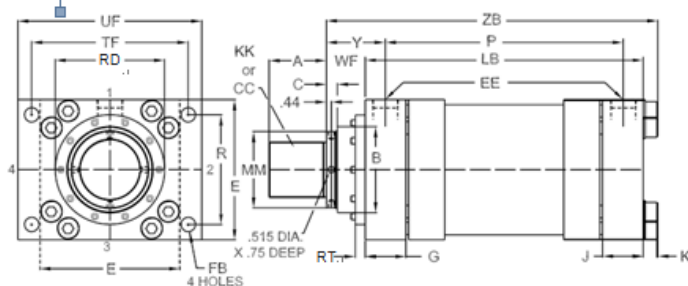
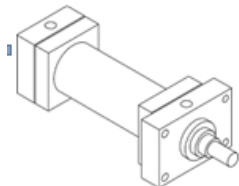
Rod Head Flange and Cap Head Flange Mounting Styles

Rod Head Flange

Style JJ

NFPA Style ME5

10" thru 14" Bore

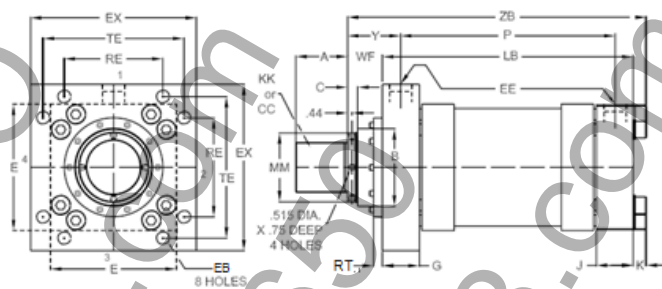
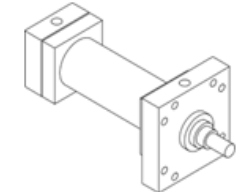


Rod Head Flange

Style JB

NFPA Style MF5

10" thru 14" Bore

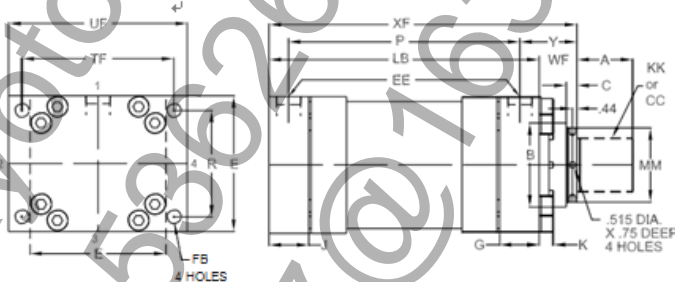
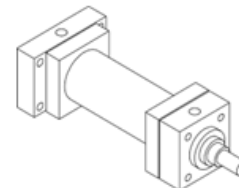


Cap Head Flange

Style HH

NFPA Style ME6

10" thru 14" Bore

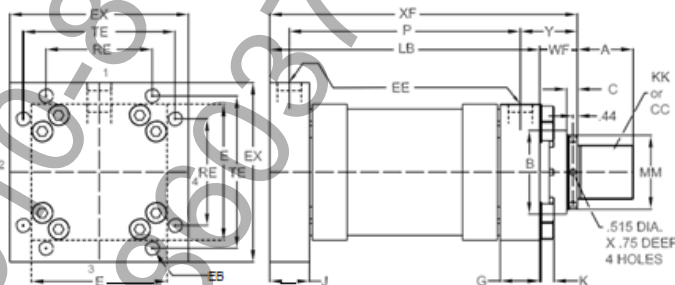
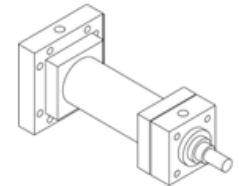


Cap Head Flange

Style HB

NFPA Style MF6

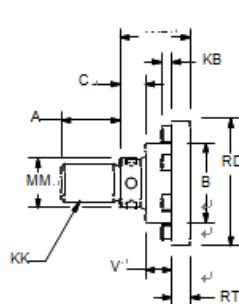
10" thru 14" Bore



Rod End Dimensions

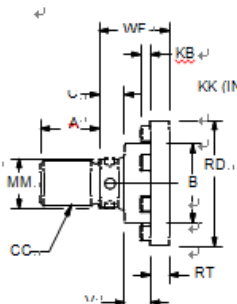
Style 4

Standard Male Thread



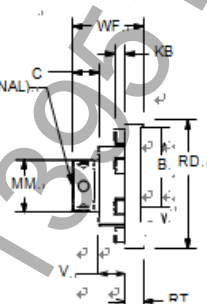
Style 8

Oversize Male Thread



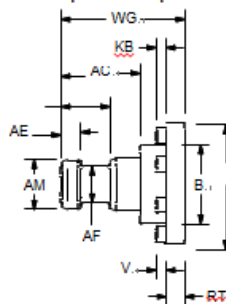
Style 9

Female Thread



Style 55

Split Coupler



Style 3

"Specials"
Thread Style 3
Special thread, extension, rod eye, blank, etc., are also available.

To order, specify "Style 3" and give desired dimensions for CC or KK, A and WF. If otherwise special, supply dimensioned sketch.

See Page 26 for dimensional data.

尺寸表

Envelope and Mounting Dimensions

BORE	E	EB	EE		FB	G	J	K	R	TF	UF
			SAE	NPTF							
10	12 ⁵ / ₈	1 ⁵ / ₁₆	#24	2	1 ¹³ / ₁₆	3 ¹¹ / ₁₆	3 ¹¹ / ₁₆	1.13	9.62	15.88	19
12	14 ⁷ / ₈	1 ⁹ / ₁₆	#24	2 ¹ / ₂	2 ¹ / ₁₆	4 ⁷ / ₁₆	4 ⁷ / ₁₆	1.25	11.45	18.50	22
14	17 ¹ / ₈	1 ⁴ / ₅	#24	2 ¹ / ₂	2 ⁵ / ₁₆	4 ⁷ / ₈	4 ⁷ / ₈	1.25	13.26	21.00	25

Envelope and Mounting Dimensions—Continued

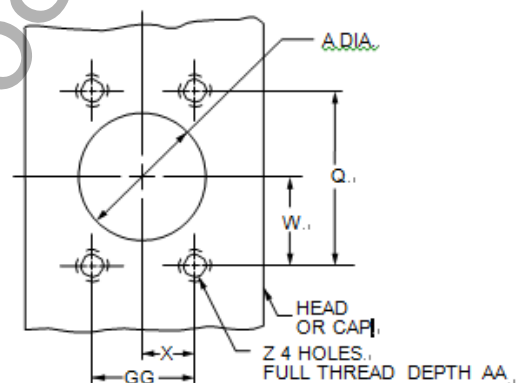
BORE	EX	RE	TE	ADD STROKE		MIN STROKE
				LB	P	
10	16 ⁵ / ₈	9.89	14.13	12 ¹ / ₈	8 ¹ / ₂	3.50
12	19 ³ / ₄	11.75	16.79	14 ¹ / ₂	10 ¹ / ₈	2.63
14	21 ³ / ₄	12.90	18.43	15 ⁵ / ₈	10 ⁷ / ₈	2.38

Dimensions Affected by Rod Size

BORE	Rod No.	MM Rod Size	Thread		A	B	RD	C	RT	V	WF	Y	Add Stroke	
			Style 4 & 9 KK	Style 8 CC									XF	ZB
10	1*	4 ¹ / ₂	3 ¹ / ₄ - 12	4 ¹ / ₄ - 12	4 ¹ / ₂	5.249	6 ¹⁵ / ₁₆	1	1 ⁵ / ₁₆	1	2 ¹⁵ / ₁₆	4 ³ / ₄	15 ¹ / ₁₆	16 ¹¹ / ₃₂
	3	5	4 - 12	5 ¹ / ₄ - 12	5	5.749	7	1	1 ⁵ / ₁₆	1 ¹ / ₄	3 ³ / ₁₆	5	15 ⁵ / ₁₆	16 ¹⁹ / ₃₂
	4	5 ¹ / ₂	4 - 12	5 ¹ / ₄ - 12	5 ¹ / ₂	6.249	7 ¹⁵ / ₁₆	1	1 ⁵ / ₁₆	1 ¹ / ₄	3 ³ / ₁₆	5	15 ⁵ / ₁₆	16 ¹⁹ / ₃₂
	2	7	4 - 12	5 ¹ / ₂ - 12	5 ¹ / ₂	7.749	9 ⁷ / ₈	1	1 ⁵ / ₁₆	1 ¹ / ₄	3 ³ / ₁₆	5 ⁵ / ₁₆	15 ⁵ / ₈	16 ²⁹ / ₃₂
12	1*	5 ¹ / ₂	4 - 12	5 ¹ / ₄ - 12	5 ¹ / ₂	6.249	7 ¹⁵ / ₁₆	1	1 ⁵ / ₁₆	1 ¹ / ₄	3 ³ / ₁₆	5 ³ / ₈	17 ¹¹ / ₁₆	19 ³ / ₃₂
	3	7	4 - 12	5 ¹ / ₂ - 12	5 ¹ / ₂	7.749	9 ⁷ / ₈	1 ¹ / ₄	1 ⁵ / ₁₆	1 ¹ / ₄	3 ³ / ₁₆	5 ¹¹ / ₁₆	18	19 ¹³ / ₃₂
	2	8	4 ¹ / ₂ - 12	6 - 12	8	8.749	10 ¹⁵ / ₁₆	1	1 ⁵ / ₁₆	1 ¹ / ₂	4	6 ³ / ₁₆	18 ¹ / ₂	19 ²⁹ / ₃₂
14	1*	7	4 - 12	5 ¹ / ₂ - 12	5 ¹ / ₂	7.749	9 ⁷ / ₈	1 ¹ / ₄	1 ⁵ / ₁₆	1 ¹ / ₄	3 ³ / ₁₆	5 ⁷ / ₈	19 ¹ / ₈	20 ¹⁷ / ₃₂
	3	8	4 ¹ / ₂ - 12	6 - 12	8	8.749	10 ¹⁵ / ₁₆	1	1 ⁵ / ₁₆	1 ¹ / ₂	4	6 ³ / ₈	19 ⁵ / ₈	21 ¹ / ₃₂
	2	10	7 ¹ / ₄ - 12	—	10	10.749	14	1	1 ⁵ / ₈	5 ⁵ / ₁₆	4 ¹ / ₂	6 ⁷ / ₈	20 ¹ / ₈	21 ¹⁷ / ₃₂

Optional SAE Flange Port Pattern
SAE Code 61

Nom. Flange Size	A	Q	GG	W	X	Z-THD UNC-2B	AA Min.
1 ¹ / ₂	1.50	2.750	1.406	1.38	0.70	1/2-13	1.06
2	2.00	3.062	1.688	1.53	0.84	1/2-13	1.06
2 ¹ / ₂	2.50	3.500	2.000	1.75	1.00	1/2-13	1.19
3	3.00	4.188	2.438	2.09	1.22	5/8-11	1.19



安装形式

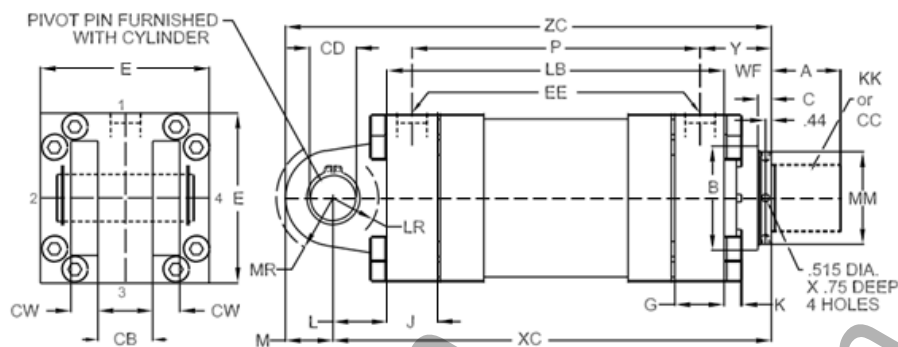
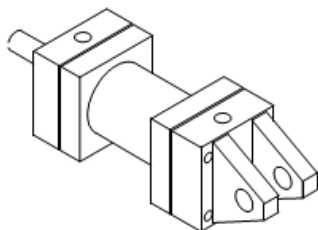
Side and Centerline Lugs Mounting Styles

Cap Fixed Clevis Mounting

Style BB₊

NFPA Style MP1↵

10" thru 14" Bore

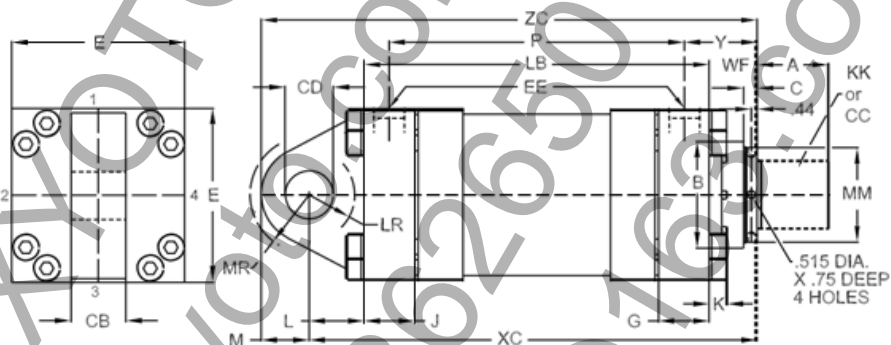
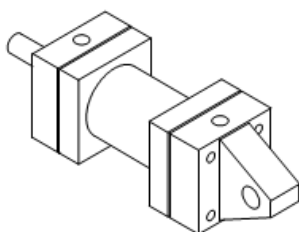


Pivot Eye

Style BE↵

NFPA Style MP3

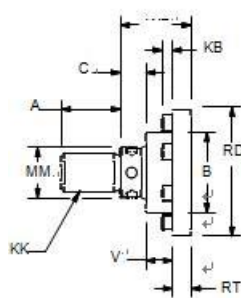
10" thru 14" Bore



Rod End Dimensions

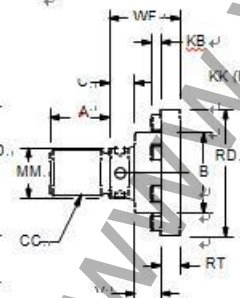
Style 4

Standard Male Thread.



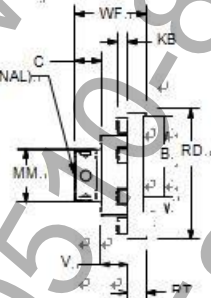
Style 8

Oversize Male Thread



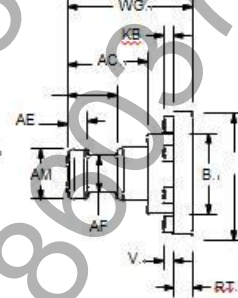
Style 9

Female Thread



Style 55

Split Coupler



Style 3

"Specials"

Thread Style 3+

Special thread, extension, rod eye, blank, etc., are also available.

To order, specify "Style 3" and give desired dimensions for CC or KK, A and WF. If otherwise special, supply dimensioned sketch.

See Page 26 for dimensional data. 

尺寸表

Envelope and Mounting Dimensions

BORE ₁	CB ₁	CD ₁	CW ₁	E ₁	EE ₁		G ₁	J ₁	K ₁
					SAE ₁	NPTF ₁			
10 ⁺	4 ⁺	3.50 ⁺	2 ⁺	12 ^{5/8}	#24 ⁺	2 ⁺	3 ^{11/16}	3 ^{11/16}	1.13 ⁺
12 ⁺	4 1/2 ⁺	4.00 ⁺	2 1/4 ⁺	14 ^{7/8}	#24 ⁺	2 1/2 ⁺	4 ^{7/16}	4 ^{7/16}	1.25 ⁺
14 ⁺	6 ⁺	5.00 ⁺	3 ⁺	17 ^{1/8}	#24 ⁺	2 1/2 ⁺	4 ^{7/8}	4 ^{7/8}	1.25 ⁺

Envelope and Mounting Dimensions—Continued

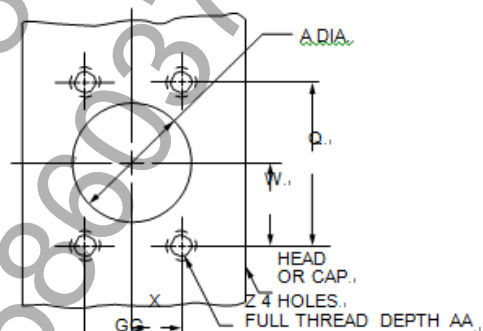
BORE ₁	Rod No. ₁	MM Rod Size ₁	Thread ₁		A ₁	B ₁	RD ₁	C ₁	RT ₁	V ₁	WF ₁	Y ₁	Add Stroke ₁	
			Style 4 & 9	Style 8 ₁									XC ₁	ZC ₁
			KK ₁	CC ₁										
10 ⁺	1 ⁺	4 1/2 ⁺	3 1/4 - 12 ⁺	4 1/4 - 12 ⁺	4 1/2 ⁺	5.249 ⁺	6 ^{15/16}	1 ⁺	1 ^{5/16}	1 ⁺	2 ^{5/16}	4 ^{3/4}	19 ^{1/16}	22 ^{3/16}
	3 ⁺	5 ⁺	3 1/2 - 12 ⁺	4 1/4 - 12 ⁺	5 ⁺	5.749 ⁺	7 ^{1/16}	1 ⁺	1 ^{5/16}	1 ⁺	3 ^{3/16}	5 ⁺	19 ^{5/16}	22 ^{3/16}
	4 ⁺	5 1/2 ⁺	4 - 12 ⁺	5 1/4 - 12 ⁺	5 1/2 ⁺	6.249 ⁺	7 ^{5/16}	1 ⁺	1 ^{5/16}	1 1/4 ⁺	3 ^{3/16}	5 ⁺	19 ^{5/16}	22 ^{3/16}
	2 ⁺	7 ⁺	4 - 12 ⁺	5 1/2 - 12 ⁺	5 1/2 ⁺	7.749 ⁺	9 ^{7/8}	1 ⁺	1 ^{5/16}	1 1/4 ⁺	3 ^{3/16}	5 ^{5/16}	19 ^{5/16}	23 ^{1/8}
12 ⁺	1 ⁺	5 1/2 ⁺	4 - 12 ⁺	5 1/4 - 12 ⁺	5 1/2 ⁺	6.249 ⁺	7 ^{5/16}	1 ⁺	1 ^{5/16}	1 1/4 ⁺	3 ^{3/16}	5 ^{3/16}	22 ^{3/16}	26 ^{3/16}
	3 ⁺	7 ⁺	4 - 12 ⁺	5 1/2 - 12 ⁺	5 1/2 ⁺	7.749 ⁺	9 ^{7/8}	1 1/4 ⁺	1 ^{5/16}	1 1/4 ⁺	3 ^{3/16}	5 ^{11/16}	22 ^{1/2}	26 ^{1/2}
	2 ⁺	8 ⁺	4 1/2 - 12 ⁺	6 - 12 ⁺	8 ⁺	8.749 ⁺	10 ^{5/16}	1 ⁺	1 ^{5/16}	1 1/2 ⁺	4 ⁺	6 ^{3/16}	23 ⁺	27 ⁺
14 ⁺	1 ⁺	7 ⁺	4 - 12 ⁺	5 1/2 - 12 ⁺	5 1/2 ⁺	7.749 ⁺	9 ^{7/8}	1 1/4 ⁺	1 ^{5/16}	1 1/4 ⁺	3 ^{3/16}	5 ^{7/8}	24 ^{7/8}	29 ^{7/8}
	3 ⁺	8 ⁺	4 1/2 - 12 ⁺	6 - 12 ⁺	8 ⁺	8.749 ⁺	10 ^{5/16}	1 ⁺	1 ^{5/16}	1 1/2 ⁺	4 ⁺	6 ^{3/8}	25 ^{3/8}	30 ^{3/8}
	2 ⁺	10 ⁺	7 1/4 - 12 ⁺	—	10 ⁺	10.749 ⁺	14 ⁺	1 ⁺	1 ^{5/8}	3 ^{1/8}	4 1/2 ⁺	6 ^{7/8}	25 ^{7/8}	30 ^{7/8}

*Indicates standard rod for bore size.

Optional SAE Flange Port Pattern

SAE Code 61⁺

Nom. Flange Size ⁺	A ⁺	Q ⁺	GG ⁺	W ⁺	X ⁺	Z-THD UNC-2B ⁺	AA ⁺ Min. ⁺
1 1/2 ⁺	1.50 ⁺	2.750 ⁺	1.406 ⁺	1.38 ⁺	0.70 ⁺	1/2-13 ⁺	1.06 ⁺
2 ⁺	2.00 ⁺	3.062 ⁺	1.688 ⁺	1.53 ⁺	0.84 ⁺	1/2-13 ⁺	1.06 ⁺
2 1/2 ⁺	2.50 ⁺	3.500 ⁺	2.000 ⁺	1.75 ⁺	1.00 ⁺	1/2-13 ⁺	1.19 ⁺
3 ⁺	3.00 ⁺	4.188 ⁺	2.438 ⁺	2.09 ⁺	1.22 ⁺	5/8-11 ⁺	1.19 ⁺



安装形式

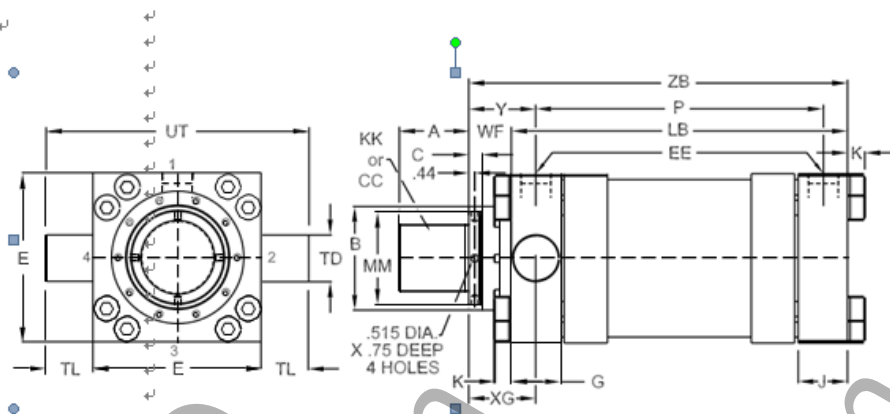
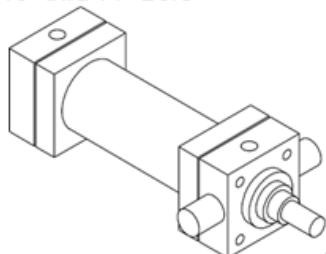
Trunnion Mounting Styles

Head Trunnion Mounting

Style D

NFA Style MT1

10" thru 14" Bore

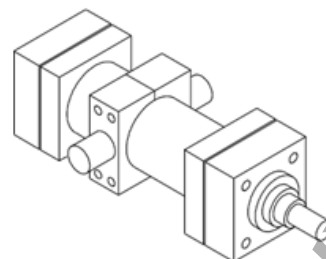


Intermediate Fixed Trunnion Mounting

Style DD

NFA Style MT4

10" thru 14" Bore



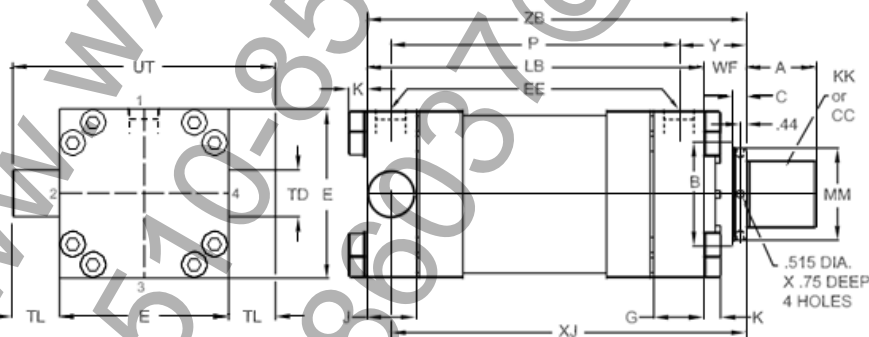
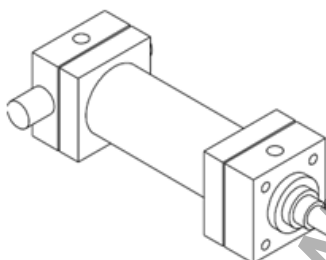
For all intermediate trunnion applications,
please consult factory for appropriate design
and dimensions.

Cap Trunnion Mounting

Style DB

NFA Style MT2

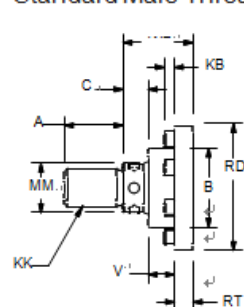
10" thru 14" Bore



Rod End Dimensions

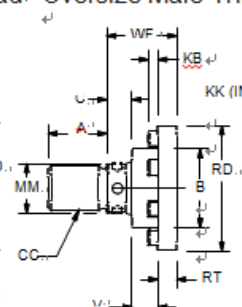
Style 4

Standard Male Thread



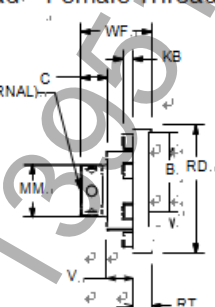
Style 8

Oversize Male Thread



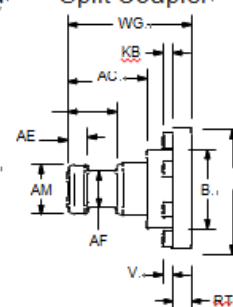
Style 9

Female Thread



Style 55

Split Coupler



Style 3

"Specials"

Thread Style 3
Special thread,
extension, rod eye,
blank, etc., are also
available.

To order, specify
"Style 3" and give
desired dimensions
for CC or KK, A and
WF. If otherwise
special, supply
dimensioned sketch.

See Page 26 for dimensional data.

尺寸表

Envelope and Mounting Dimensions¹

BORE ₁	BD ₁	E ₁	EE ₁		G ₁	J ₁	K ₁	TD ₁	TL ₁	UT ₁	ADD STROKE ₁		MIN STROKE D & DB ₁
			SAE ₁	NPTF ₁							LB ₁	P ₁	
10 ¹	4 ¹ / ₂	12 ⁵ / ₈	#24 ¹	2 ¹	3 ¹¹ / ₁₆	3 ¹¹ / ₁₆	1.13 ¹	3.500 ¹	3 ¹ / ₂	19 ⁵ / ₈	12 ¹ / ₈	8 ¹ / ₂	3.50 ¹
12 ¹	5 ¹ / ₂	14 ⁷ / ₈	#24 ¹	2 ¹ / ₂	4 ⁷ / ₁₆	4 ⁷ / ₁₆	1.25 ¹	4.000 ¹	4 ¹	22 ⁷ / ₈	14 ¹ / ₂	10 ¹ / ₈	2.63 ¹
14 ¹	5 ¹ / ₂	17 ¹ / ₈	#24 ¹	2 ¹ / ₂	4 ⁷ / ₁₆	4 ⁷ / ₁₆	1.25 ¹	4.500 ¹	4 ¹ / ₂	26 ¹ / ₈	15 ⁵ / ₈	10 ⁷ / ₈	2.38 ¹

Dimensions Affected by Rod Size¹

BORE ₁	Rod No. ₁	MM Rod Size ₁	Thread ₁		A ₁	B ₁	RD ₁	C ₁	RT ₁	V ₁	WF ₁	XG ₁	Y ₁	Add Stroke ₁	
			Style 4 & 9 KK ₁	Style 8 ₁ CC ₁										XJ ₁	ZB ₁
10 ¹	1* ¹	4 ¹ / ₂	3 ¹ / ₄ - 12 ¹	4 ¹ / ₄ - 12 ¹	4 ¹ / ₂	5.249 ¹	6 ⁵ / ₁₆	1 ¹	1 ⁵ / ₁₆	1 ¹	2 ¹⁵ / ₁₆	4 ³ / ₄	4 ³ / ₄	13 ³ / ₈	16 ¹¹ / ₃₂
	3 ¹	5 ¹	3 ¹ / ₂ - 12 ¹	4 ¹ / ₃ - 12 ¹	5 ¹	5.749 ¹	7 ⁷ / ₁₆	1 ¹	1 ⁵ / ₁₆	1 ¹	3 ³ / ₁₆	5 ¹	5 ¹	13 ⁵ / ₈	16 ¹³ / ₃₂
	4 ¹	5 ¹ / ₂	4 - 12 ¹	5 ¹ / ₄ - 12 ¹	5 ¹ / ₂	6.249 ¹	7 ¹⁵ / ₁₆	1 ¹	1 ⁵ / ₁₆	1 ¹ / ₄	3 ³ / ₁₆	5 ¹	5 ¹	13 ⁵ / ₈	16 ¹³ / ₃₂
	2 ¹	7 ¹	4 - 12 ¹	5 ¹ / ₂ - 12 ¹	5 ¹ / ₂	7.749 ¹	9 ⁷ / ₈	1 ¹	1 ⁵ / ₁₆	1 ¹ / ₄	3 ¹ / ₂	5 ⁵ / ₁₆	5 ⁵ / ₁₆	13 ¹⁵ / ₁₆	16 ²⁹ / ₃₂
12 ¹	1* ¹	5 ¹ / ₂	4 - 12 ¹	5 ¹ / ₄ - 12 ¹	5 ¹ / ₂	6.249 ¹	7 ¹⁵ / ₁₆	1 ¹	1 ⁵ / ₁₆	1 ¹ / ₄	3 ³ / ₁₆	5 ⁵ / ₁₆	5 ⁵ / ₁₆	15 ¹ / ₂	19 ³ / ₃₂
	3 ¹	7 ¹	4 - 12 ¹	5 ¹ / ₂ - 12 ¹	5 ¹ / ₂	7.749 ¹	9 ⁷ / ₈	1 ¹ / ₄	1 ⁵ / ₁₆	1 ¹ / ₄	3 ¹ / ₂	5 ¹¹ / ₁₆	5 ¹¹ / ₁₆	15 ¹⁵ / ₁₆	19 ¹³ / ₃₂
	2 ¹	8 ¹	4 ¹ / ₂ - 12 ¹	6 - 12 ¹	8 ¹	8.749 ¹	10 ¹⁵ / ₁₆	1 ¹	1 ⁵ / ₁₆	1 ¹ / ₂	4 ¹	6 ³ / ₁₆	6 ³ / ₁₆	16 ³ / ₁₆	19 ²⁹ / ₃₂
14 ¹	1* ¹	7 ¹	4 - 12 ¹	5 ¹ / ₂ - 12 ¹	5 ¹ / ₂	7.749 ¹	9 ⁷ / ₈	1 ¹ / ₄	1 ⁵ / ₁₆	1 ¹ / ₄	3 ¹ / ₂	5 ⁵ / ₁₆	5 ⁵ / ₁₆	16 ¹¹ / ₁₆	20 ¹⁷ / ₃₂
	3 ¹	8 ¹	4 ¹ / ₂ - 12 ¹	6 - 12 ¹	8 ¹	8.749 ¹	10 ¹⁵ / ₁₆	1 ¹	1 ⁵ / ₁₆	1 ¹ / ₂	4 ¹	6 ⁷ / ₁₆	6 ⁷ / ₁₆	17 ⁹ / ₁₆	21 ¹ / ₃₂
	2 ¹	10 ¹	7 ¹ / ₄ - 12 ¹	—	10 ¹	10.749 ¹	14 ¹	1 ¹	1 ⁵ / ₁₆	1 ¹ / ₂	4 ¹ / ₂	6 ¹⁵ / ₁₆	6 ⁷ / ₈	17 ¹¹ / ₁₆	21 ¹⁷ / ₃₂

*Indicates standard rod for bore size.¹Optional SAE Flange Port Pattern¹
SAE Code 61¹

Nom. Flange Size ¹	A ¹	Q ¹	GG ¹	W ¹	X ¹	Z-THD ¹ UNC-2B ¹	AA ¹ Min. ¹
1 ¹ / ₂	1.50 ¹	2.750 ¹	1.406 ¹	1.38 ¹	0.70 ¹	1/2-13 ¹	1.06 ¹
2 ¹	2.00 ¹	3.062 ¹	1.688 ¹	1.53 ¹	0.84 ¹	1/2-13 ¹	1.06 ¹
2 ¹ / ₂	2.50 ¹	3.500 ¹	2.000 ¹	1.75 ¹	1.00 ¹	1/2-13 ¹	1.19 ¹
3 ¹	3.00 ¹	4.188 ¹	2.438 ¹	2.09 ¹	1.22 ¹	5/8-11 ¹	1.19 ¹

