



Pneumatic & Hydraulic Cylinders

Manufactured to Chrysler Specifications



MMHC-500

***Chrysler Standard (NFPA Interchangeable)
3000 PSI Rated High-Pressure
Hydraulic Cylinders***



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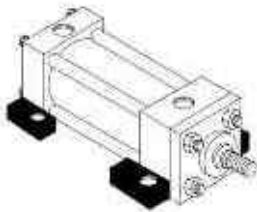
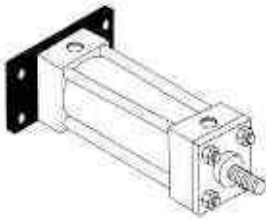
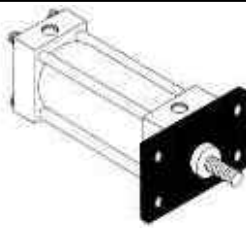
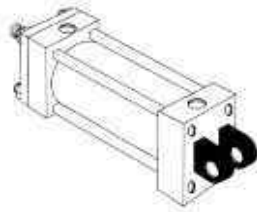
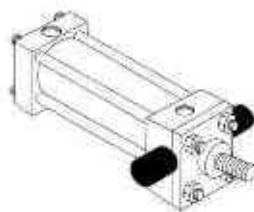
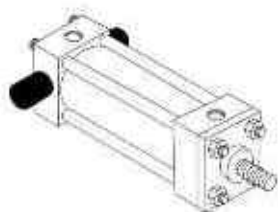
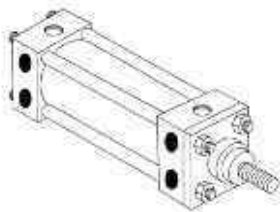
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MMHC-500 Series

(3000 PSI Non-Shock Load Rated Hydraulic Cylinder)

ORDERING INFORMATION



1 Specify Chrysler Cylinder Series Code "MMHC"

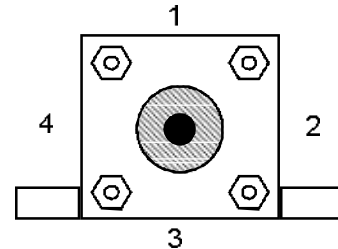
2 Specify Chrysler Cylinder Model Number :

<u>MODEL NUMBER</u>	<u>MOUNT DESCRIPTION</u>
505 - MS2	= Side Lug
515 - MF2	= Cap Rectangular Flange
525 - MF1	= Head Rectangular Flange
535 - MP1	= Cap Fixed Clevis
545 - MT1	= Head Trunnion
555 - MS4	= Side Tapped
565 - MT2	= Cap Trunnion

3 Specify Cushion Location :

- B = Cushion on Blind End Only
- R = Cushion on Rod End Only
- BR = Cushion on Both Blind & Rod Ends
- NC = No Cushions

Cushion Adjustment may be at Positions 1, 2, 3, or 4.
Cushions are standard at Position 2.



4 Specify Cylinder Bore: & 5 Specify Cylinder Stroke (rounded to nearest 2 decimals) :

6 Specify Cylinder Rod Diameter :

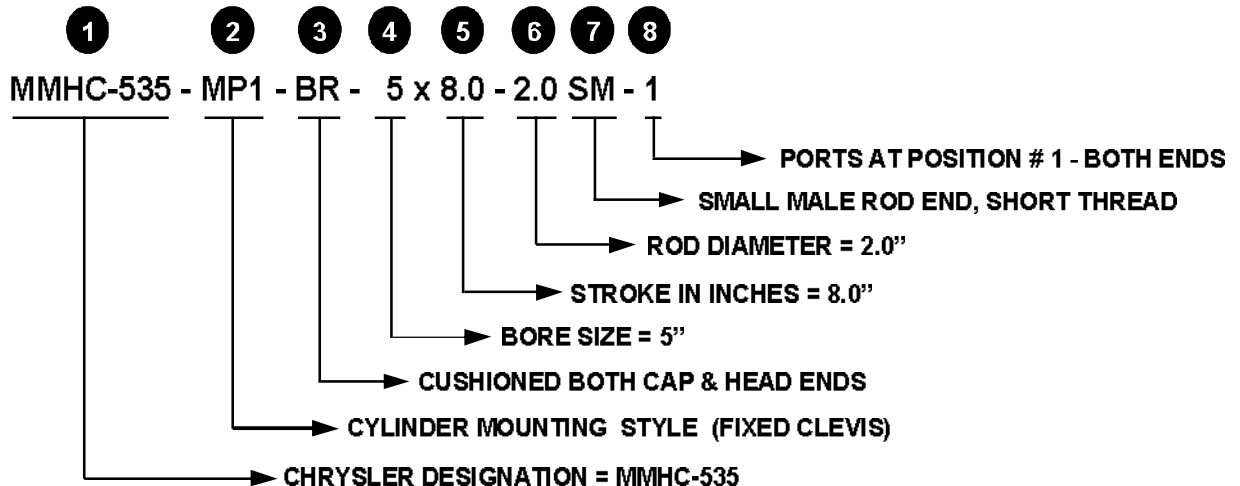
7 Specify Cylinder Rod End Style :

- B = Chrysler Standard (4 flats)
- FM = Full Male, Short Thread
- IM = Intermediate Male, Short Thread

- SM = Small Male, Short Thread with Shoulder
- SF = Short Female

8 Specify Port Locations : (Note: NPTF Ports are Standard. Port location is standard at Position 1.
Ports may be located at Positions 1, 2, 3, or 4.)

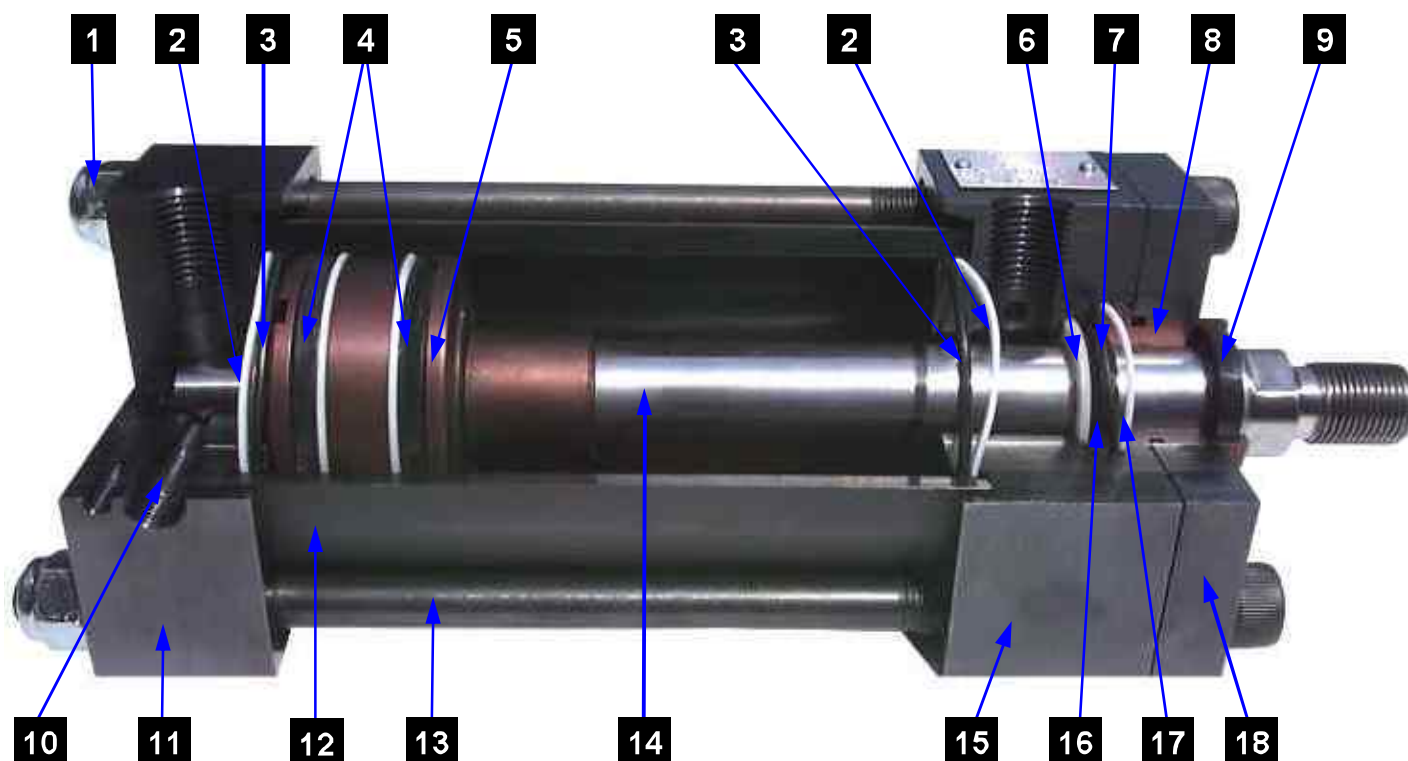
Example:



MMHC-500 Cylinder Parts List



(3000 PSI Non-Shock Load Rated Hydraulic Cylinder)

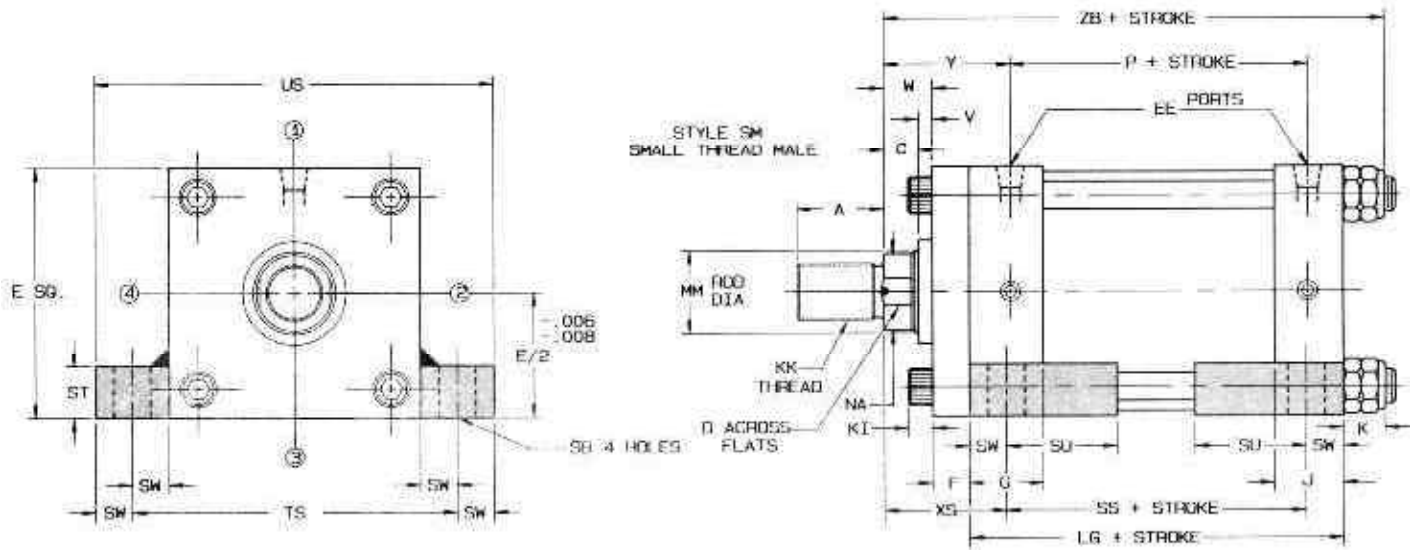


- | | |
|------------------------------------|--|
| 1. Tie Rod Nut | 11. Cap |
| 2. Teflon™ Backup Ring for Tube | 12. Cylinder Tube |
| 3. Tube O-Ring | 13. Tie Rod |
| 4. Piston U-Cups | 14. Piston Rod; Specify Rod End Style & Diameter |
| 5. Piston | 15. Head |
| 6. Teflon™ Backup Ring for Z-Seal™ | 16. Z-Seal™ |
| 7. Rod Cartridge O-Ring | 17. Teflon Backup Ring for Rod Cartridge O-Ring |
| 8. Rod Cartridge | 18. Rod Cartridge Retainer Plate |
| 9. Rod Wiper | |
| 10. Cushion Adjustment | |

MMHC-505 Side Lug Mount (MS2)

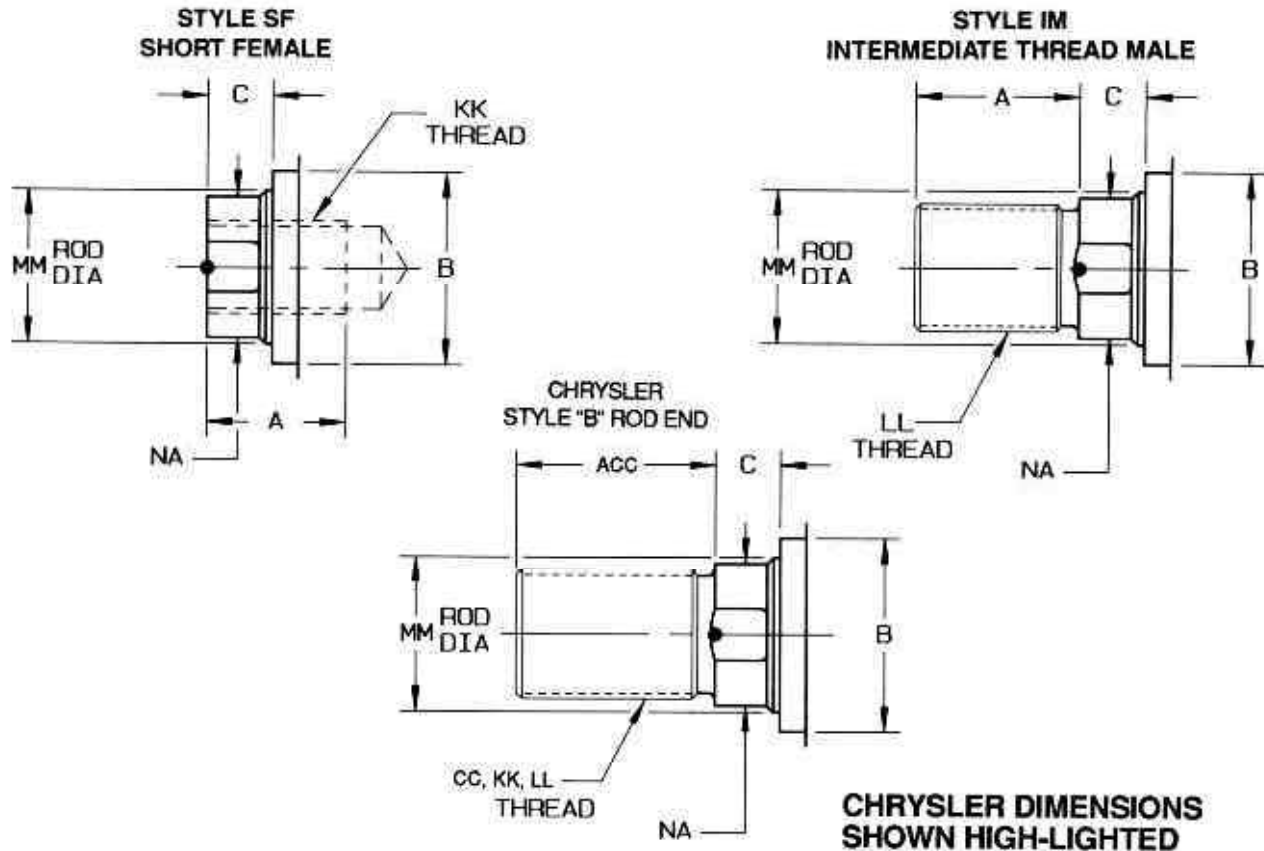


1 1/2" THRU 8" CYLINDER BORE



ENVELOPE AND MOUNTING DIMENSIONS NOT AFFECTED BY ROD SIZE

CYL. BORE	E	EE(NPTF)	F	G	J	K	KI	LG	P	SB (hole)	SS	ST	SU	SW	TS	US
1 1/2	2 1/2	1/2	3/8	1 3/4	1 1/2	15/32	3/8	4 5/8	2 7/8	7/16	3 7/8	1/2	15/16	3/8	3 1/4	4
2	3	1/2	5/8	1 3/4	1 1/2	39/64	1/2	4 5/8	2 7/8	9/16	3 5/8	3/4	1 1/4	1/2	4	5
2 1/2	3 1/2	1/2	5/8	1 3/4	1 1/2	39/64	1/2	4 3/4	3	13/16	3 3/8	1	1 9/16	11/16	4 7/8	6 1/4
3 1/4	4 1/2	3/4	3/4	2	1 3/4	49/64	5/8	5 1/2	3 1/2	13/16	4 1/8	1	1 9/16	11/16	5 7/8	7 1/4
4	5	3/4	7/8	2	1 3/4	49/64	5/8	5 3/4	3 3/4	1 1/16	4	1 1/4	2	7/8	6 3/4	8 1/2
5	6 1/2	3/4	7/8	2	1 3/4	63/64	7/8	6 1/4	4 1/4	1 1/16	4 1/2	1 1/4	2	7/8	8 1/4	10
6	7 1/2	1	1	2 1/4	2 1/4	1 1/32	1	7 3/8	4 7/8	1 5/16	5 1/8	1 1/2	2 1/2	1 1/8	9 3/4	12
8	9 1/2	1 1/2	1	3	3	1 3/8	1 1/4	9 1/2	6 1/8	1 9/16	6 3/4	1 3/4	2 7/8	1 3/8	12 1/4	15

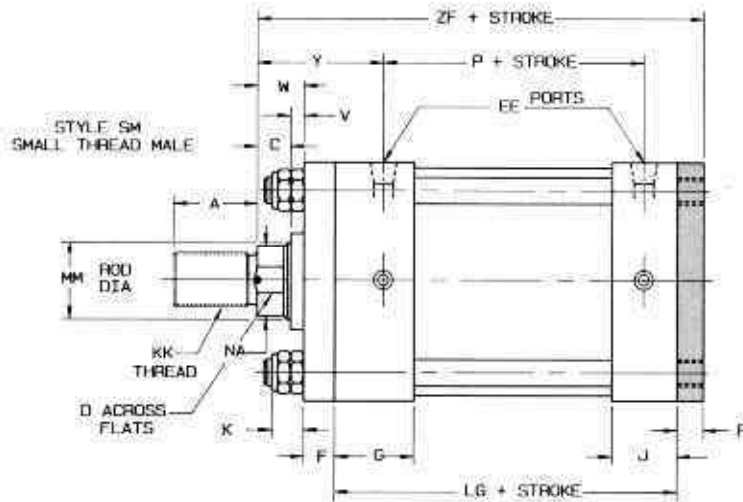


CYL. BORE	ROD DIA	THREAD		ROD END DIMENSIONS & MOUNT DIMENSIONS AFFECTED BY ROD SIZE										
	MM	KK	LL	A	ACC	B $\pm .000$ -.002	C	D	NA	V	W	XS	Y	ZB
1 1/2	5/8	7/16-20	1/2-20	3/4	1 1/8	1.124	3/8	1/2	.593	1/4	5/8	1 3/8	2	6 3/32
	1	3/4-16	7/8-14	1 1/8	1 1/8	1.499	1/2	7/8	.968	1/2	1	1 3/4	2 3/8	6 15/32
2	1	3/4-16	7/8-14	1 1/8	1 7/8	1.499	1/2	7/8	.968	1/4	3/4	1 7/8	2 3/8	6 39/64
	1 3/8	1-14	1 1/4-12	1 5/8	1 5/8	1.999	5/8	1 1/8	1.343	3/8	1	2 1/8	2 5/8	6 55/64
2 1/2	1	3/4-16	7/8-14	1 1/8	1 7/8	1.499	1/2	7/8	.968	1/4	3/4	2 1/16	2 3/8	6 47/64
	1 3/8	1-14	1 1/4-12	1 5/8	1 5/8	1.999	5/8	1 1/8	1.343	3/8	1	2 5/16	2 5/8	6 63/64
3 1/4	1 3/8	1-14	1 1/4-12	1 5/8	1 5/8	1.999	5/8	1 1/8	1.343	1/4	7/8	2 5/16	2 3/4	7 57/64
	1 3/4	1 1/4-12	1 1/2-12	2	3	2.374	3/4	1 1/2	1.703	3/8	1 1/8	2 9/16	3	8 9/64
4	1 3/4	1 1/4-12	1 1/2-12	2	2	2.374	3/4	1 1/2	1.703	1/4	1	2 3/4	3	8 25/64
	2	1 1/2-12	1 3/4-12	2 1/4	3 1/2	2.624	7/8	1 11/16	1.953	1/4	1 1/8	2 7/8	3 1/8	8 33/64
5	2	1 1/2-12	1 3/4-12	2 1/4	2 1/4	2.624	7/8	1 11/16	1.953	1/4	1 1/8	2 7/8	3 1/8	9 15/64
	2 1/2	1 7/8-12	2 1/4-12	3	4 1/2	3.124	1	2 1/16	2.453	3/8	1 3/8	3 1/8	3 3/8	9 31/64
6	2 1/2	1 7/8-12	2 1/4-12	3	3	3.124	1	2 1/16	2.453	1/4	1 1/4	3 3/8	3 1/2	10 21/32
	3 1/2	2 1/2-12	3 1/4-12	3 1/2	6 1/2	4.249	1	3	3.437	1/4	1 1/4	3 3/8	3 1/2	10 21/32
8	3 1/2	2 1/2-12	3 1/4-12	3 1/2	3 1/2	4.249	1	3	3.437	1/4	1 1/4	3 5/8	3 15/16	13 1/8
	4	3-12	3 3/4-12	4	7 1/2	4.749	1	3 3/8	3.937	1/4	1 1/4	3 5/8	3 15/16	13 1/8
	5 1/2	4-12	5 1/4-12	5 1/2	10	6.249	1	4 5/8	5.421	1/4	1 1/4	3 5/8	3 15/16	13 1/8

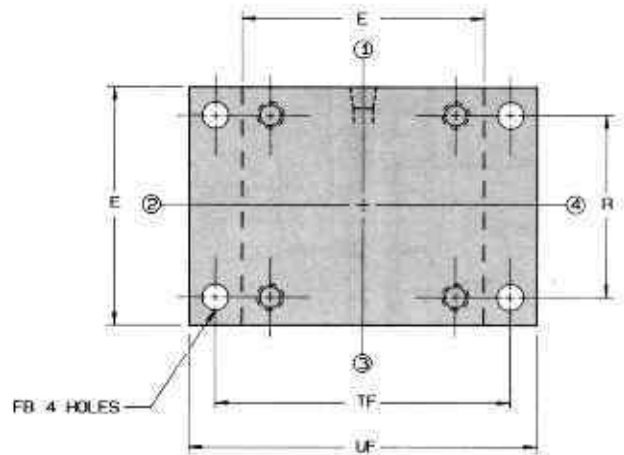
MMHC-515 Cap Rectangular Flange (MF2)



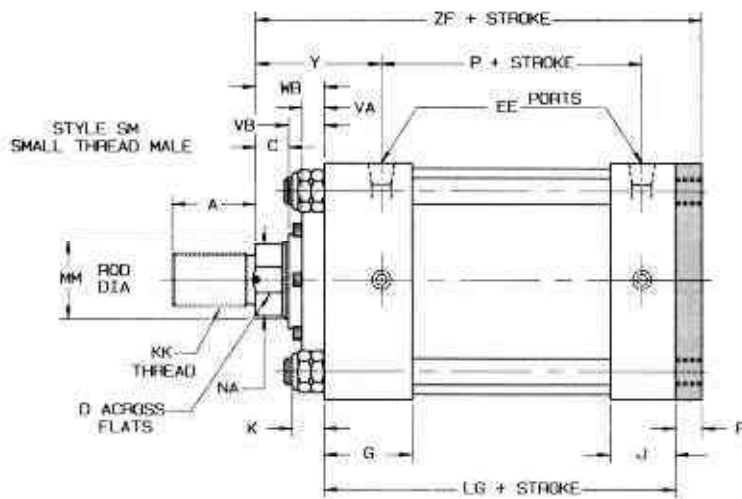
1 1/2" THRU 4" BORE WITH MAX. O/S RODS



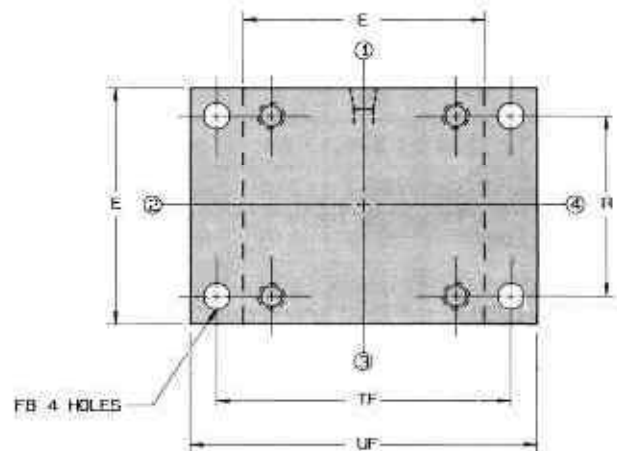
Note:
Check for Operating Pressure Limitations
on this Mount. See Page 41.



1 1/2" THRU 8" CYLINDER BORE

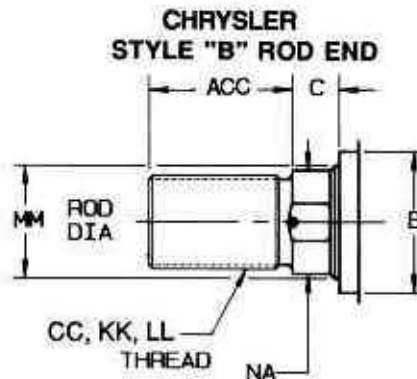
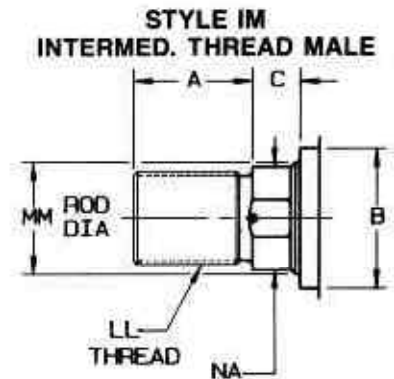
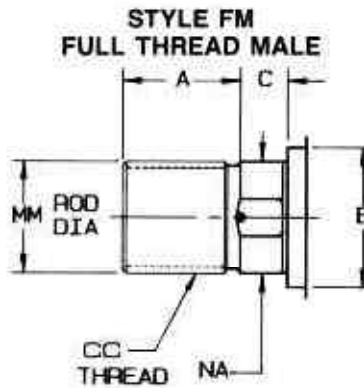
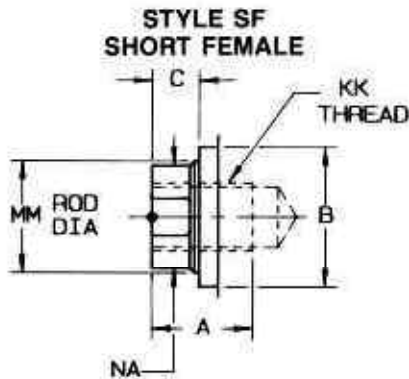


NOTE:
Head end cushions on 1 1/2", 2" and 2 1/2"
bores with max. O/S rods are non-adjustable.



ENVELOPE AND MOUNTING DIMENSIONS NOT AFFECTED BY ROD SIZE

CYL. BORE	E	EE(NPTF)	F	FB (hole)	G	J	K	LG	P	R	TF	UF
1 1/2	2 1/2	1/2	3/8	7/16	1 3/4	1 1/2	15/32	4 5/8	2 7/8	1.63	3 7/16	4 1/4
2	3	1/2	5/8	9/16	1 3/4	1 1/2	39/64	4 5/8	2 7/8	2.05	4 1/8	5 1/8
2 1/2	3 1/2	1/2	5/8	9/16	1 3/4	1 1/2	39/64	4 3/4	3	2.55	4 5/8	5 5/8
3 1/4	4 1/2	3/4	3/4	11/16	2	1 3/4	49/64	5 1/2	3 1/2	3.25	5 7/8	7 1/8
4	5	3/4	7/8	11/16	2	1 3/4	49/64	5 3/4	3 3/4	3.82	6 3/8	7 5/8
5	6 1/2	3/4	7/8	15/16	2	1 3/4	63/64	6 1/4	4 1/4	4.95	8 3/16	9 3/4
6	7 1/2	1	1	1 1/16	2 1/4	2 1/4	1 1/32	7 3/8	4 7/8	5.73	9 7/16	11 1/4
7	8 1/2	1 1/4	1	1 3/16	2 3/4	2 3/4	1 3/16	8 1/2	5 3/8	6.58	10 5/8	12 5/8
8	9 1/2	1 1/2	1	1 5/16	3	3	1 3/8	9 1/2	6 1/8	7.50	11 13/16	14



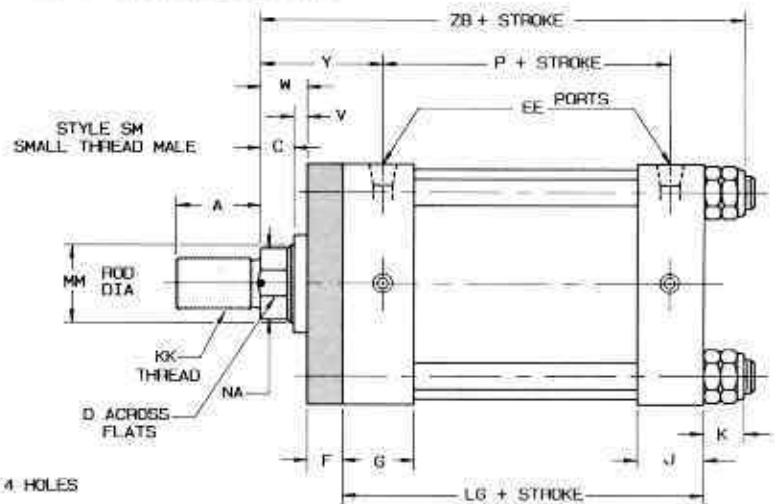
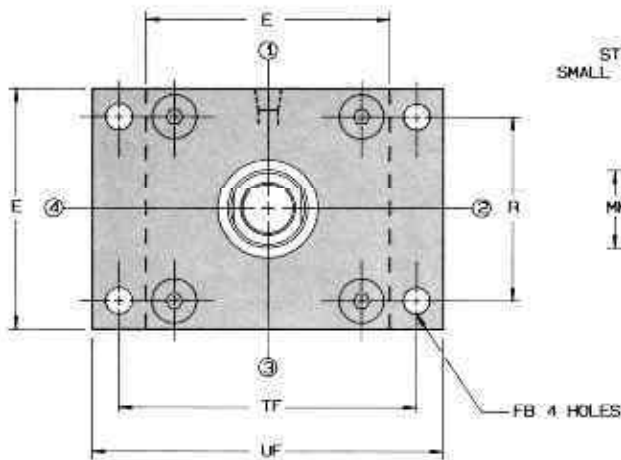
Cyl. Bore	Rod Dia. (mm)	Thread			Rod End Dimensions and Mounting Dimensions Affected by Rod Size													
		KK	LL	CC	A	ACC	B ^{+ .000} - .002	C	D	NA	V	VA	VB	W	WB	Y	ZF	
1 1/2	5/8	7/16-20	1/2-20	5/8-18	3/4	1 1/8	1.124	3/8	1/2	.593	-	1/4	5/8	-	1	2	6	
	1	3/4-16	7/8-14	1-14	1 1/8	1 1/8	1.499	1/2	7/8	.968	1/2	-	-	1	-	2 3/8	6 3/8	
2	1	3/4-16	7/8-14	1-14	1 1/8	1 7/8	1.499	1/2	7/8	.968	-	3/8	7/8	-	1 3/8	2 3/8	6 5/8	
	1 3/8	1-14	1 1/4-12	1 3/8-12	1 5/8	1 5/8	1.999	5/8	1 1/8	1.343	3/8	-	-	1	-	2 5/8	6 7/8	
2 1/2	1	3/4-16	7/8-14	1-14	1 1/8	1 7/8	1.499	1/2	7/8	.968	-	3/8	7/8	-	1 3/8	2 3/8	6 3/4	
	1 3/8	1-14	1 1/4-12	1 3/8-12	1 5/8	1 5/8	1.999	5/8	1 1/8	1.343	-	3/8	1	-	1 5/8	2 5/8	7	
	1 3/4	1 1/4-12	1 1/2-12	1 3/4-12	2	3	2.374	3/4	1 1/2	1.703	1/2	-	-	1 1/4	-	2 7/8	7 1/4	
3 1/4	1 3/8	1-14	1 1/4-12	1 3/8-12	1 5/8	1 5/8	1.999	5/8	1 1/8	1.343	-	3/8	1	-	1 5/8	2 3/4	7 7/8	
	1 3/4	1 1/4-12	1 1/2-12	1 3/4-12	2	3	2.374	3/4	1 1/2	1.703	-	3/8	1 1/8	-	1 7/8	3	8 1/8	
	2	1 1/2-12	1 3/4-12	2-12	2 1/4	3 1/2	2.624	7/8	1 11/16	1.953	3/8	-	-	1 1/4	-	3 1/8	8 1/4	
4	1 3/4	1 1/4-12	1 1/2-12	1 3/4-12	2	2	2.374	3/4	1 1/2	1.703	-	3/8	1 1/8	-	1 7/8	3	8 1/2	
	2	1 1/2-12	1 3/4-12	2-12	2 1/4	3 1/2	2.624	7/8	1 11/16	1.953	-	3/8	1 1/8	-	2	3 1/8	8 5/8	
	2 1/2	1 7/8-12	2 1/4-12	2 1/2-12	3	4 1/2	3.124	1	2 1/16	2.453	3/8	-	-	1 3/8	-	3 3/8	8 7/8	
5	2	1 1/2-12	1 3/4-12	2-12	2 1/4	2 1/4	2.624	7/8	1 11/16	1.953	-	3/8	1 1/8	-	2	3 1/8	9 1/8	
	2 1/2	1 7/8-12	2 1/4-12	2 1/2-12	3	4 1/2	3.124	1	2 1/16	2.453	-	3/8	1 1/4	-	2 1/4	3 3/8	9 3/8	
	3	2 1/4-12	2 3/4-12	3-12	3 1/2	5 1/2	3.749	1	2 5/8	2.937	-	3/8	1 1/4	-	2 1/4	3 3/8	9 3/8	
	3 1/2	2 1/2-12	3 1/4-12	3 1/2-12	3 1/2	6 1/2	4.249	1	3	3.437	-	3/8	1 1/4	-	2 1/4	3 3/8	9 3/8	
6	2 1/2	1 7/8-12	2 1/4-12	2 1/2-12	3	3	3.124	1	2 1/16	2.453	-	3/8	1 1/4	-	2 1/4	3 1/2	10 5/8	
	3	2 1/4-12	2 3/4-12	3-12	3 1/2	5 1/2	3.749	1	2 5/8	2.937	-	3/8	1 1/4	-	2 1/4	3 1/2	10 5/8	
	3 1/2	2 1/2-12	3 1/4-12	3 1/2-12	3 1/2	6 1/2	4.249	1	3	3.437	-	3/8	1 1/4	-	2 1/4	3 1/2	10 5/8	
	4	3-12	3 3/4-12	4-12	4	7 1/2	4.749	1	3 3/8	3.937	-	1/2	1 1/4	-	2 1/4	3 1/2	10 5/8	
7	3	2 1/4-12	2 3/4-12	3-12	3 1/2	3 1/2	3.749	1	2 5/8	2.937	-	3/8	1 1/4	-	2 1/4	3 13/16	11 3/4	
	3 1/2	2 1/2-12	3 1/4-12	3 1/2-12	3 1/2	5 1/2	4.249	1	3	3.437	-	3/8	1 1/4	-	2 1/4	3 13/16	11 3/4	
	4	3-12	3 3/4-12	4-12	4	7 1/2	4.749	1	3 3/8	3.937	-	1/2	1 1/4	-	2 1/4	3 13/16	11 3/4	
	4 1/2	3 1/4-12	4 1/4-12	4 1/2-12	4 1/2	8 1/4	5.249	1	3 7/8	4.421	-	1/2	1 1/4	-	2 1/4	3 13/16	11 3/4	
	5	3 1/2-12	4 3/4-12	5-12	5	9	5.749	1	4 1/4	4.921	-	1/2	1 1/4	-	2 1/4	3 13/16	11 3/4	
8	3 1/2	2 1/2-12	3 1/4-12	3 1/2-12	3 1/2	3 1/2	4.249	1	3	3.437	-	3/8	1 1/4	-	2 1/4	3 15/16	12 3/4	
	4	3-12	3 3/4-12	4-12	4	7 1/2	4.749	1	3 3/8	3.937	-	1/2	1 1/4	-	2 1/4	3 15/16	12 3/4	
	4 1/2	3 1/4-12	4 1/4-12	4 1/2-12	4 1/2	8 1/4	5.249	1	3 7/8	4.421	-	1/2	1 1/4	-	2 1/4	3 15/16	12 3/4	
	5	3 1/2-12	4 3/4-12	5-12	5	9	5.749	1	4 1/4	4.921	-	1/2	1 1/4	-	2 1/4	3 15/16	12 3/4	
	5 1/2	4-12	5 1/4-12	5 1/2-12	5 1/2	10	6.249	1	4 5/8	5.421	-	1/2	1 1/4	-	2 1/4	3 15/16	12 3/4	

MMHC-525 Head Rectangular Flange (MF1)



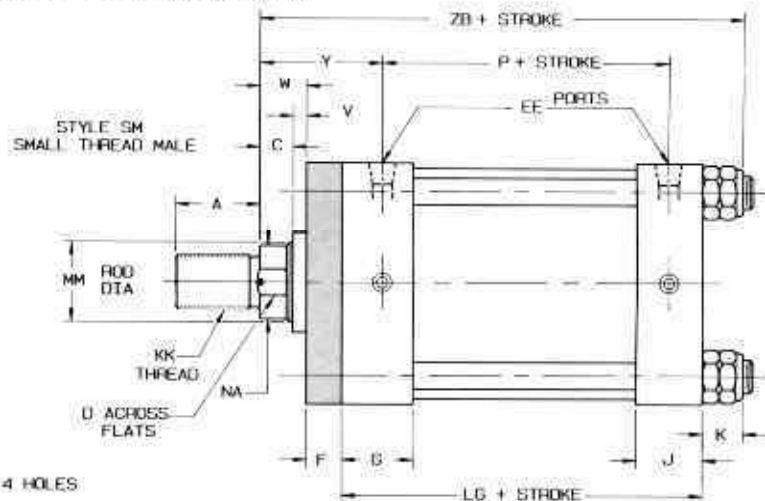
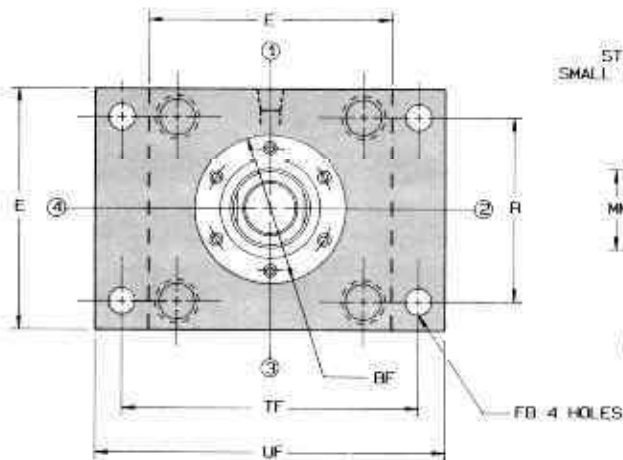
1 1/2" THRU 4" CYLINDER BORE

Note:
Check for Operating Pressure Limitations
on this Mount. See Page 41.



NOTE:
Head end cushions on 1 1/2", 2" and 2 1/2"
bores with max. O/S rods are non-adjustable

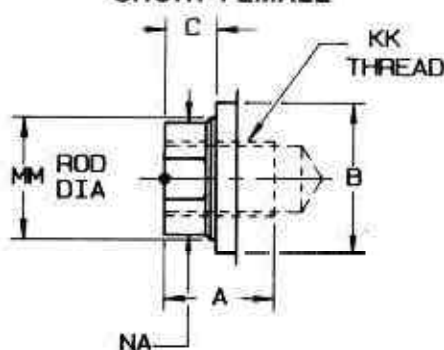
5" THRU 8" CYLINDER BORE



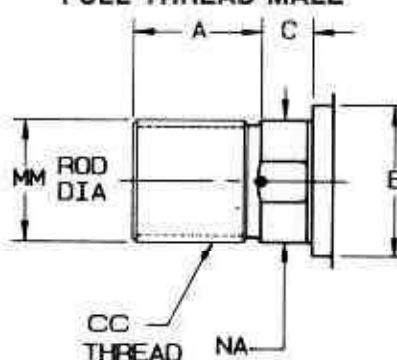
ENVELOPE AND MOUNTING DIMENSIONS NOT AFFECTED BY ROD SIZE

CYL. BORE	E	EE(NPTF)	F	FB (hole)	G	J	K	LG	P	R	TF	UF
1 1/2	2 1/2	1/2	3/8	7/16	1 3/4	1 1/2	15/32	4 5/8	2 7/8	1.63	3 7/16	4 1/4
2	3	1/2	5/8	9/16	1 3/4	1 1/2	39/64	4 5/8	2 7/8	2.05	4 1/8	5 1/8
2 1/2	3 1/2	1/2	5/8	9/16	1 3/4	1 1/2	39/64	4 3/4	3	2.55	4 5/8	5 5/8
3 1/4	4 1/2	3/4	3/4	11/16	2	1 3/4	49/64	5 1/2	3 1/2	3.25	5 7/8	7 1/8
4	5	3/4	7/8	11/16	2	1 3/4	49/64	5 3/4	3 3/4	3.82	6 3/8	7 5/8
5	6 1/2	3/4	7/8	15/16	2	1 3/4	63/64	6 1/4	4 1/4	4.95	8 3/16	9 3/4
6	7 1/2	1	1	1 1/16	2 1/4	2 1/4	1 1/32	7 3/8	4 7/8	5.73	9 7/16	11 1/4
7	8 1/2	1 1/4	1	1 3/16	2 3/4	2 3/4	1 3/16	8 1/2	5 3/8	6.58	10 5/8	12 5/8
8	9 1/2	1 1/2	1	1 5/16	3	3	1 3/8	9 1/2	6 1/8	7.50	11 13/16	14

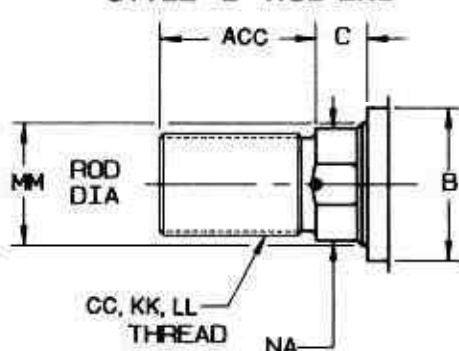
**STYLE SF
SHORT FEMALE**



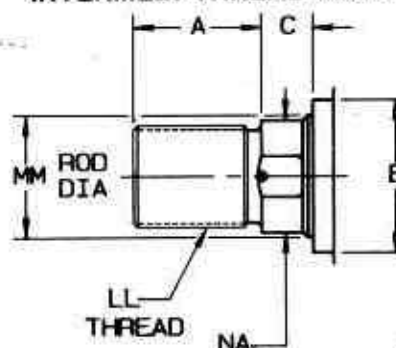
**STYLE FM
FULL THREAD MALE**



**CHRYSLER
STYLE "B" ROD END**



**STYLE IM
INTERMED. THREAD MALE**



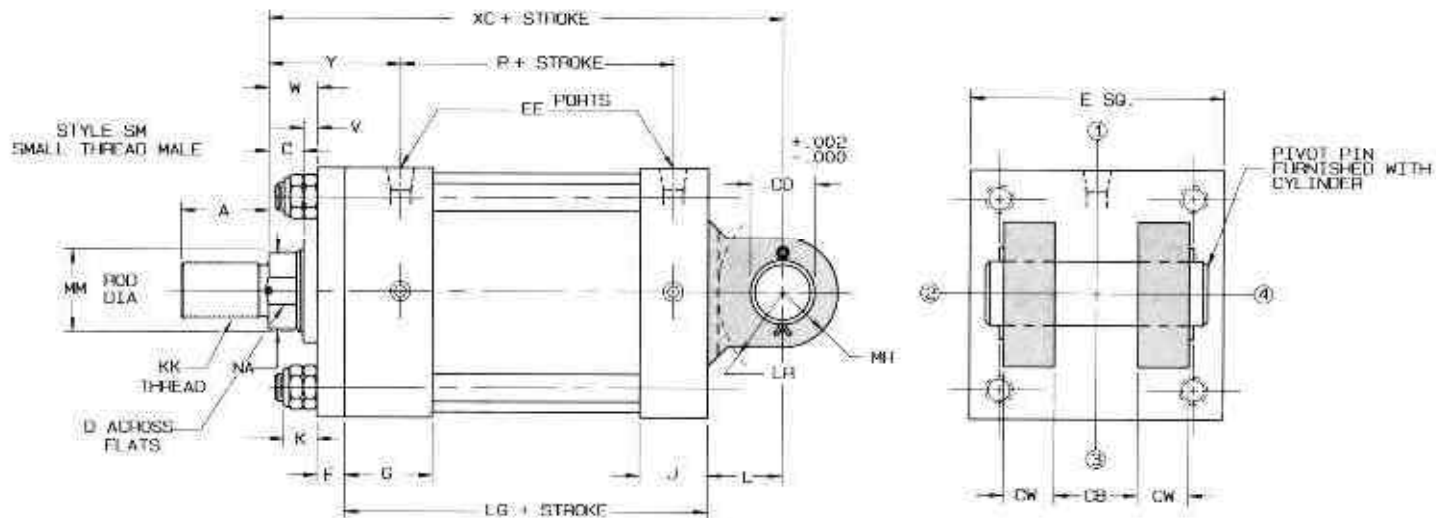
**CHRYSLER DIMENSIONS
SHOWN HIGH-LIGHTED**

Cyl. Bore	Rod Dia. (mm)	Thread			Rod End Dimensions and Mounting Dimensions Affected by Rod Size											
		KK	LL	CC	A	ACC	B + .000 - .002	BF	C	D	NA	V	W	Y	ZB	
1 1/2	5/8	7/16-20	1/2-20	5/8-18	3/4	1 1/8	1.124	-	3/8	1/2	.593	1/4	5/8	2	6 3/32	
	1	3/4-16	7/8-14	1-14	1 1/8	1 1/8	1.499	-	1/2	7/8	.968	1/2	1	2 3/8	6 15/32	
2	1	3/4-16	7/8-14	1-14	1 1/8	1 7/8	1.499	-	1/2	7/8	.968	1/4	3/4	2 3/8	6 39/64	
	1 3/8	1-14	1 1/4-12	1 3/8-12	1 5/8	1 5/8	1.999	-	5/8	1 1/8	1.343	3/8	1	2 5/8	6 55/64	
2 1/2	1	3/4-16	7/8-14	1-14	1 1/8	1 7/8	1.499	-	1/2	7/8	.968	1/4	3/4	2 3/8	6 47/64	
	1 3/8	1-14	1 1/4-12	1 3/8-12	1 5/8	1 5/8	1.999	-	5/8	1 1/8	1.343	3/8	1	2 5/8	6 53/64	
	1 3/4	1 1/4-12	1 1/2-12	1 3/4-12	2	3	2.374	-	3/4	1 1/2	1.703	1/2	1 1/4	2 7/8	7 15/64	
3 1/4	1 3/8	1-14	1 1/4-12	1 3/8-12	1 5/8	1 5/8	1.999	-	5/8	1 1/8	1.343	1/4	7/8	2 3/4	7 57/64	
	1 3/4	1 1/4-12	1 1/2-12	1 3/4-12	2	3	2.374	-	3/4	1 1/2	1.703	3/8	1 1/8	3	8 9/64	
	2	1 1/2-12	1 3/4-12	2-12	2 1/4	3 1/2	2.624	-	7/8	1 11/16	1.953	3/8	1 1/4	3 1/8	8 17/64	
4	1 3/4	1 1/4-12	1 1/2-12	1 3/4-12	2	2	2.374	-	3/4	1 1/2	1.703	1/4	1	3	8 25/64	
	2	1 1/2-12	1 3/4-12	2-12	2 1/4	3 1/2	2.624	-	7/8	1 11/16	1.953	1/4	1 1/8	3 1/8	8 33/64	
	2 1/2	1 7/8-12	2 1/4-12	2 1/2-12	3	4 1/2	3.124	-	1	2 1/16	2.453	3/8	1 3/8	3 3/8	8 49/64	
5	2	1 1/2-12	1 3/4-12	2-12	2 1/4	2 1/4	2.624	4 1/4	7/8	1 11/16	1.953	1/4	1 1/8	3 1/8	9 15/64	
	2 1/2	1 7/8-12	2 1/4-12	2 1/2-12	3	4 1/2	3.124	4 5/8	1	2 1/16	2.453	3/8	1 3/8	3 3/8	9 31/64	
	3	2 1/4-12	2 3/4-12	3-12	3 1/2	5 1/2	3.749	5 1/8	1	2 5/8	2.937	3/8	1 3/8	3 3/8	9 31/64	
	3 1/2	2 1/2-12	3 1/4-12	3 1/2-12	3 1/2	6 1/2	4.249	5 9/16	1	3	3.437	3/8	1 3/8	3 3/8	9 31/64	
6	2 1/2	1 7/8-12	2 1/4-12	2 1/2-12	3	3	3.124	4 5/8	1	2 1/16	2.453	1/4	1 1/4	3 1/2	10 21/32	
	3	2 1/4-12	2 3/4-12	3-12	3 1/2	5 1/2	3.749	5 1/8	1	2 5/8	2.937	1/4	1 1/4	3 1/2	10 21/32	
	3 1/2	2 1/2-12	3 1/4-12	3 1/2-12	3 1/2	6 1/2	4.249	5 9/16	1	3	3.437	1/4	1 1/4	3 1/2	10 21/32	
	4	3-12	3 3/4-12	4-12	4	7 1/2	4.749	6 1/2	1	3 3/8	3.937	1/4	1 1/4	3 1/2	10 21/32	
7	3	2 1/4-12	2 3/4-12	3-12	3 1/2	3 1/2	3.749	5 1/8	1	2 5/8	2.937	1/4	1 1/4	3 13/16	11 15/16	
	3 1/2	2 1/2-12	3 1/4-12	3 1/2-12	3 1/2	6 1/2	4.249	5 9/16	1	3	3.437	1/4	1 1/4	3 13/16	11 15/16	
	4	3-12	3 3/4-12	4-12	4	7 1/2	4.749	6 1/2	1	3 3/8	3.937	1/4	1 1/4	3 13/16	11 15/16	
	4 1/2	3 1/4-12	4 1/4-12	4 1/2-12	4 1/2	8 1/4	5.249	7 1/4	1	3 7/8	4.421	1/4	1 1/4	3 13/16	11 15/16	
	5	3 1/2-12	4 3/4-12	5-12	5	9	5.749	7 3/4	1	4 1/4	4.921	1/4	1 1/4	3 13/16	11 15/16	
8	3 1/2	2 1/2-12	3 1/4-12	3 1/2-12	3 1/2	3 1/2	4.249	5 9/16	1	3	3.437	1/4	1 1/4	3 15/16	13 1/8	
	4	3-12	3 3/4-12	4-12	4	7 1/2	4.749	6 1/2	1	3 3/8	3.937	1/4	1 1/4	3 15/16	13 1/8	
	4 1/2	3 1/4-12	4 1/4-12	4 1/2-12	4 1/2	8 1/4	5.249	7 1/4	1	3 7/8	4.421	1/4	1 1/4	3 15/16	13 1/8	
	5	3 1/2-12	4 3/4-12	5-12	5	9	5.749	7 3/4	1	4 1/4	4.921	1/4	1 1/4	3 15/16	13 1/8	
	5 1/2	4-12	5 1/4-12	5 1/2-12	5 1/2	10	6.249	8 1/4	1	4 5/8	5.421	1/4	1 1/4	3 15/16	13 1/8	

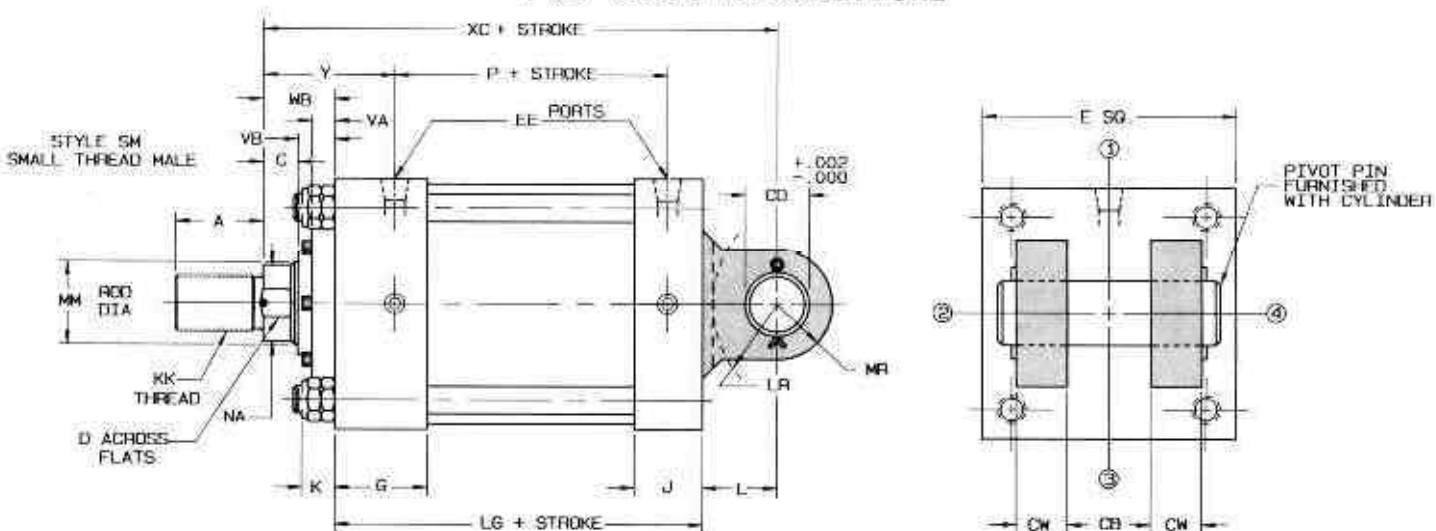
MMHC-535 Cap Fixed Clevis (MP1)



1 1/2" & 2" BORE WITH O/S RODS



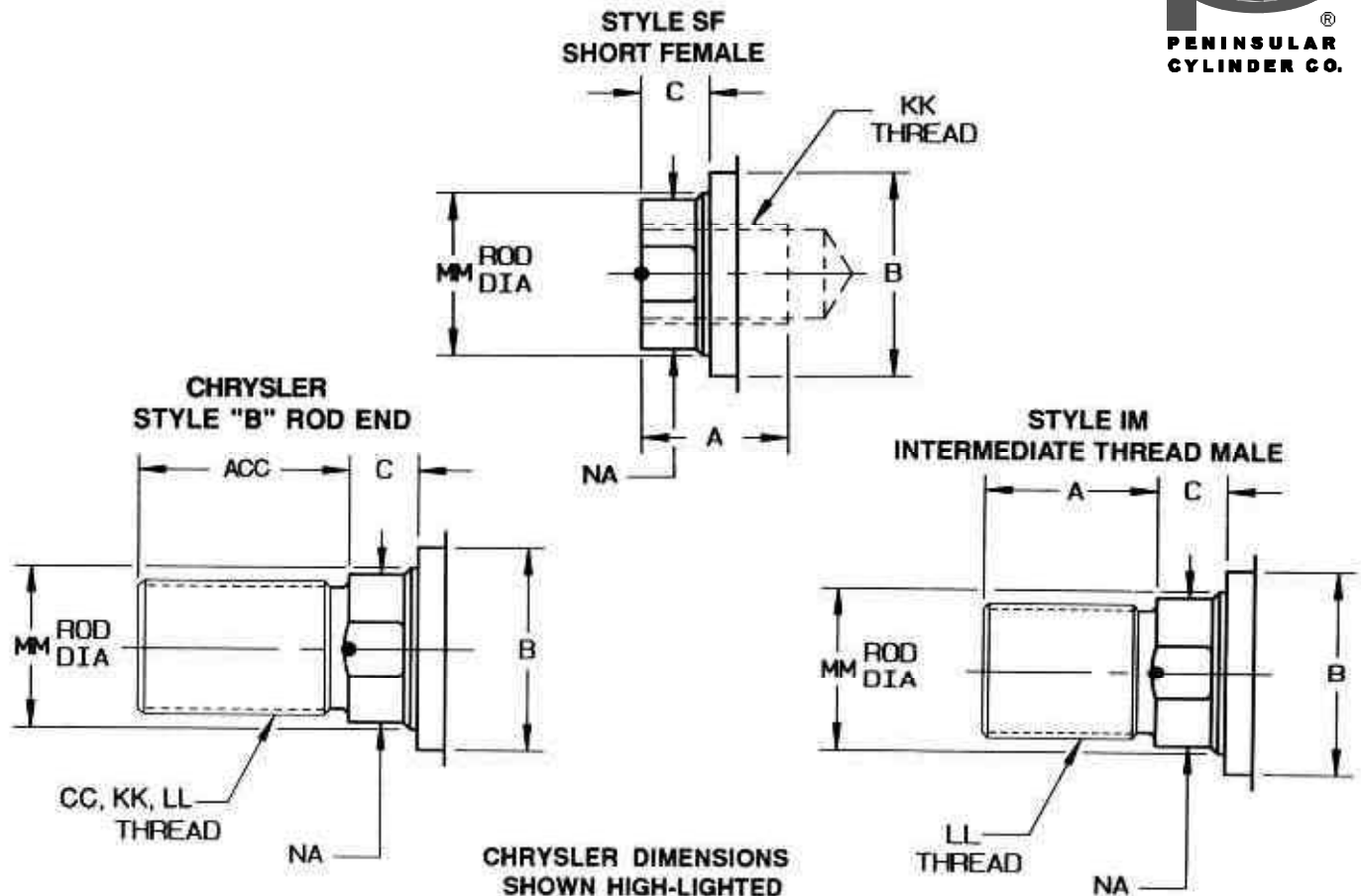
1 1/2" THRU 8" CYLINDER BORE



ENVELOPE AND MOUNTING DIMENSIONS NOT AFFECTED BY ROD SIZE

CYL. BORE	CB	CD (hole)	CW	E	EE (NPTF)	F	G	J	K	L	LG	LR	MR	P
1 1/2	3/4	.500	1/2	2 1/2	1/2	3/8	1 3/4	1 1/2	15/32	3/4	4 5/8	9/16	1/2	2 7/8
2	1 1/4	.750	5/8	3	1/2	5/8	1 3/4	1 1/2	39/64	1 1/4	4 5/8	15/16	3/4	2 7/8
2 1/2	1 1/4	.750	5/8	3 1/2	1/2	5/8	1 3/4	1 1/2	39/64	1 1/4	4 3/4	15/16	3/4	3
3 1/4	1 1/2	1.000	3/4	4 1/2	3/4	3/4	2	1 3/4	49/64	1 1/2	5 1/2	1 3/16	1	3 1/2
4	2	1.375	1	5	3/4	7/8	2	1 3/4	49/64	2 1/8	5 3/4	1 3/4	1 3/8	3 3/4
5	2 1/2	1.750	1 1/4	6 1/2	3/4	7/8	2	1 3/4	63/64	2 1/4	6 1/4	1 5/16	1 3/4	4 1/4
6	2 1/2	2.000	1 1/4	7 1/2	1	1	2 1/4	2 1/4	1 1/32	2 1/2	7 3/8	2 3/16	2	4 7/8
8	3	3.000	1 1/2	9 1/2	1 1/2	1	3	3	1 3/8	3 1/4	9 1/2	3 1/4	2 3/4	6 1/8

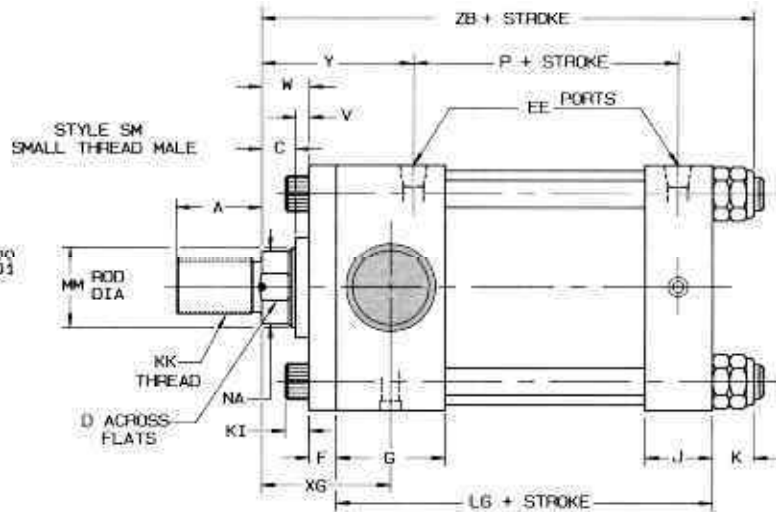
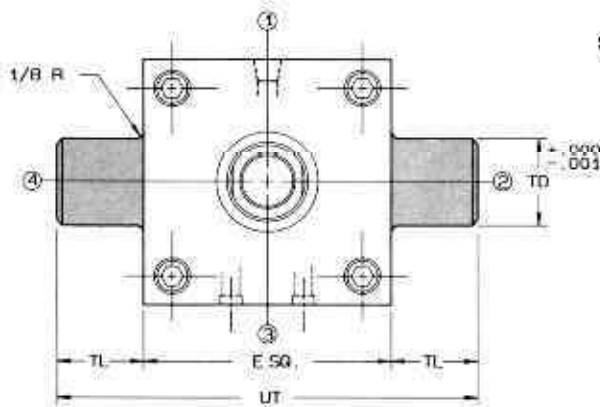
**STYLE SF
SHORT FEMALE**



CYL. BORE	ROD DIA.	THREAD		ROD END DIMENSIONS & MOUNTING DIMENSIONS AFFECTED BY ROD SIZE												
	MM	KK	LL	A	ACC	B $\pm \frac{.000}{.002}$	C	D	NA	V	VA	VB	W	WB	Y	XC
1 1/2	5/8	7/16-20	1/2-20	3/4	1 1/8	1.124	3/8	1/2	.593	-	1/4	5/8	-	1	2	6 3/8
	1	3/4-16	7/8-14	1 1/8	1 1/8	1.499	1/2	7/8	.968	1/2	-	-	1	-	2 3/8	6 3/4
2	1	3/4-16	7/8-14	1 1/8	1 7/8	1.499	1/2	7/8	.968	-	3/8	7/8	-	1 3/8	2 3/8	7 1/4
	1 3/8	1-14	1 1/4-12	1 5/8	1 5/8	1.999	5/8	1 1/8	1.343	3/8	-	-	1	-	2 5/8	7 1/2
2 1/2	1	3/4-16	7/8-14	1 1/8	1 7/8	1.499	1/2	7/8	.968	-	3/8	7/8	-	1 3/8	2 3/8	7 3/8
	1 3/8	1-14	1 1/4-12	1 5/8	1 5/8	1.999	5/8	1 1/8	1.343	-	3/8	1	-	1 5/8	2 5/8	7 5/8
3 1/4	1 3/8	1-14	1 1/4-12	1 5/8	1 5/8	1.999	5/8	1 1/8	1.343	-	3/8	1	-	1 5/8	2 3/4	8 5/8
	1 3/4	1 1/4-12	1 1/2-12	2	3	2.374	3/4	1 1/2	1.703	-	3/8	1 1/8	-	1 7/8	3	8 7/8
4	1 3/4	1 1/4-12	1 1/2-12	2	2	2.374	3/4	1 1/2	1.703	-	3/8	1 1/8	-	1 7/8	3	9 3/4
	2	1 1/2-12	1 3/4-12	2 1/4	3 1/2	2.624	7/8	1 11/16	1.953	-	3/8	1 1/8	-	2	3 1/8	9 7/8
5	2	1 1/2-12	1 3/4-12	2 1/4	2 1/4	2.624	7/8	1 11/16	1.953	-	3/8	1 1/8	-	2	3 1/8	10 1/2
	2 1/2	1 7/8-12	2 1/4-12	3	4 1/2	3.124	1	2 1/16	2.453	-	3/8	1 1/4	-	2 1/4	3 3/8	10 3/4
6	2 1/2	1 7/8-12	2 1/4-12	3	3	3.124	1	2 1/16	2.453	-	3/8	1 1/4	-	2 1/4	3 1/2	12 1/8
	3 1/2	2 1/2-12	3 1/4-12	3 1/2	6 1/2	4.249	1	3	3.437	-	3/8	1 1/4	-	2 1/4	3 1/2	12 1/8
8	3 1/2	2 1/2-12	3 1/4-12	3 1/2	3 1/2	4.249	1	3	3.437	-	3/8	1 1/4	-	2 1/4	3 15/16	15
	4	3-12	3 3/4-12	4	7 1/2	4.749	1	3 3/8	3.937	-	1/2	1 1/4	-	2 1/4	3 15/16	15
	5 1/2	4-12	5 1/4-12	5 1/2	10	6.249	1	4 5/8	5.421	-	1/2	1 1/4	-	2 1/4	3 15/16	15

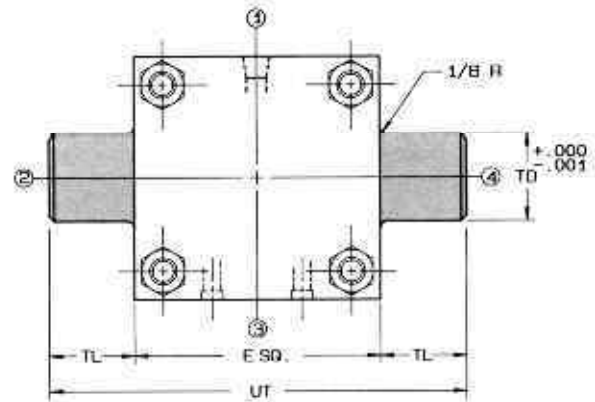
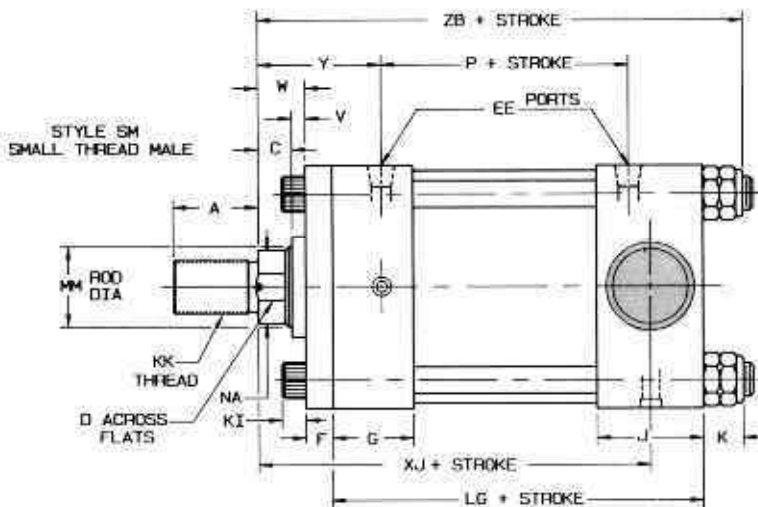
MMHC-545 Head Trunnion (MT1)

1 1/2" THRU 8" CYLINDER BORE



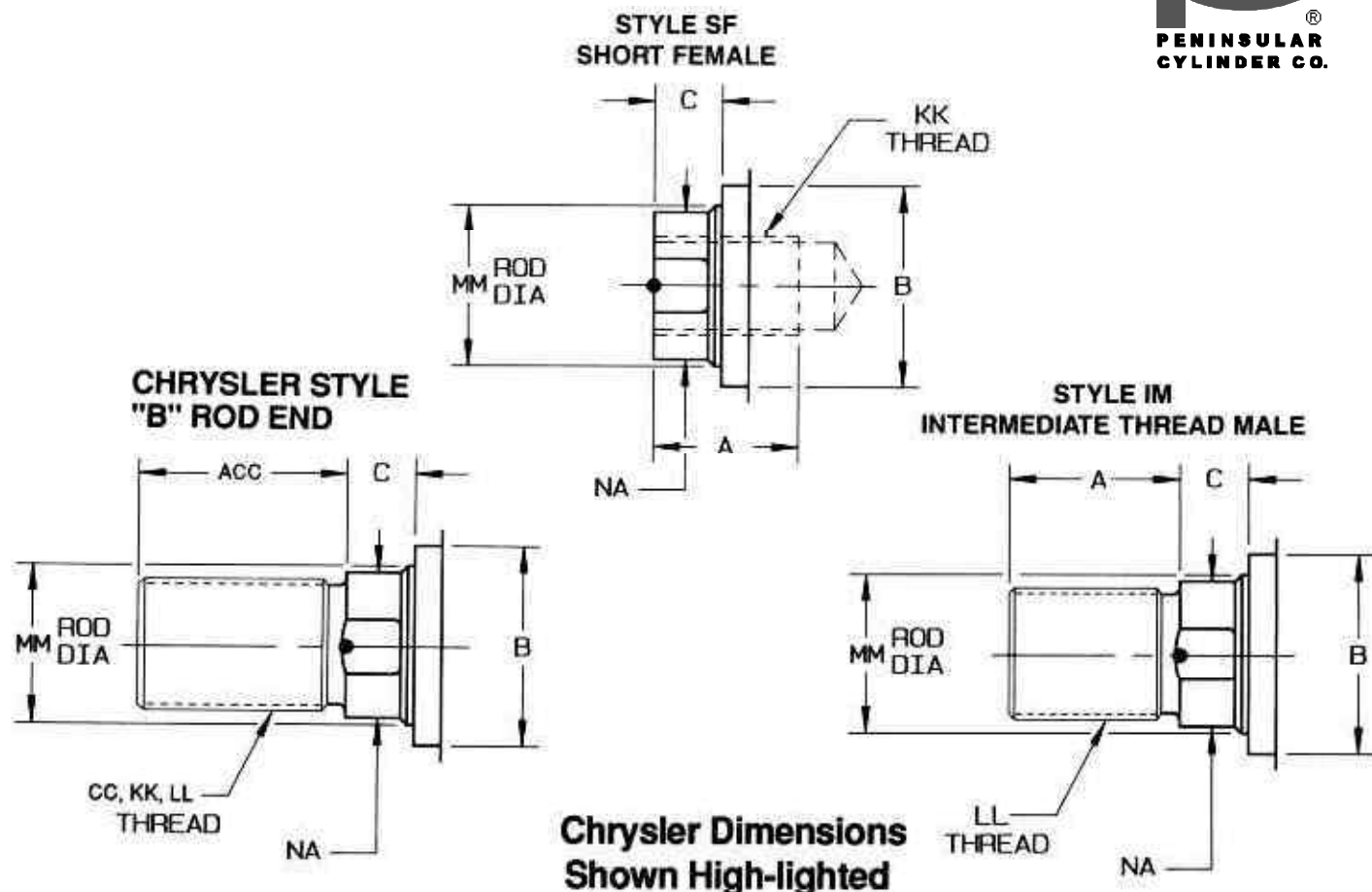
MMHC-565 Cap Trunnion (MT2)

1 1/2" THRU 8" CYLINDER BORE



ENVELOPE AND MOUNTING DIMENSIONS NOT AFFECTED BY ROD SIZE

CYL. BORE	E	EE(NPTF)	F	G	J	K	KI	LG	P	TD	TL	UT
1 1/2	2 1/2	1/2	3/8	1 3/4	1 1/2	15/32	3/8	4 5/8	2 7/8	1.000	1	4 1/2
2	3	1/2	5/8	1 3/4	1 1/2	39/64	1/2	4 5/8	2 7/8	1.375	1 3/8	5 3/4
2 1/2	3 1/2	1/2	5/8	1 3/4	1 1/2	39/64	1/2	4 3/4	3	1.375	1 3/8	6 1/4
3 1/4	4 1/2	3/4	3/4	2	1 3/4	49/64	5/8	5 1/2	3 1/2	1.750	1 3/4	8
4	5	3/4	7/8	2	1 3/4	49/64	5/8	5 3/4	3 3/4	1.750	1 3/4	8 1/2
5	6 1/2	3/4	7/8	2	1 3/4	63/64	7/8	6 1/4	4 1/4	1.750	1 3/4	10
6	7 1/2	1	1	2 1/4	2 1/4	1 1/32	1	7 3/8	4 7/8	2.000	2	11 1/2
8	9 1/2	1 1/2	1	3	3	1 3/8	1 1/4	9 1/2	6 1/8	3.000	3	15 1/2

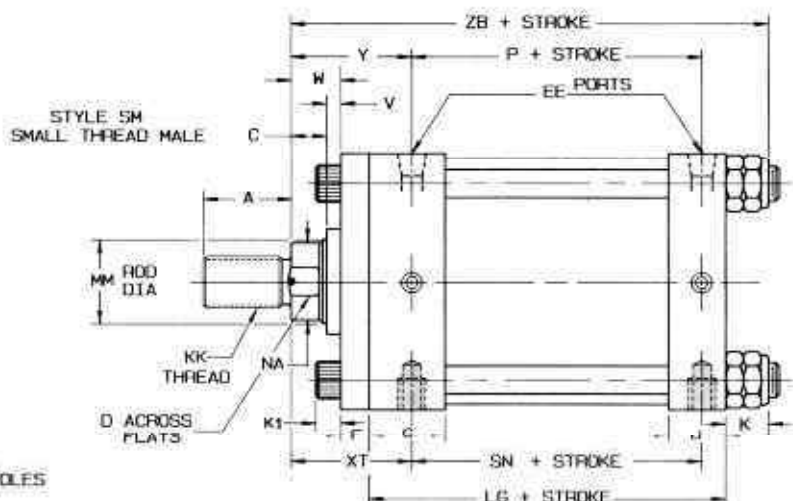
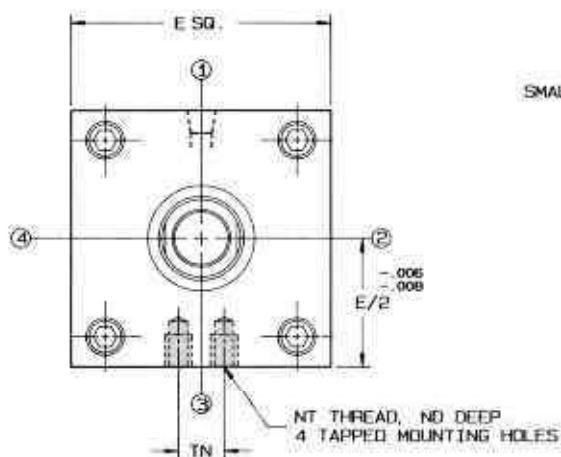


CYL. BORE	ROD DIA.	THREAD		ROD END DIMENSIONS AND MOUNTING DIMENSIONS AFFECTED BY ROD SIZE											
	MM	KK	LL	A	ACC	B $\pm \frac{.000}{.002}$	C	D	NA	V	W	XG	XJ	Y	ZB
1 1/2	5/8	7/16-20	1/2-20	3/4	1 1/8	1.124	3/8	1/2	.593	1/4	5/8	1 7/8	4 7/8	2	6 3/32
	1	3/4-16	7/8-14	1 1/8	1 1/8	1.499	1/2	7/8	.968	1/2	1	2 1/4	5 1/4	2 3/8	6 15/32
2	1	3/4-16	7/8-14	1 1/8	1 7/8	1.499	1/2	7/8	.968	1/4	3/4	2 1/4	5 1/4	2 3/8	6 39/64
	1 3/8	1-14	1 1/4-12	1 5/8	1 5/8	1.999	5/8	1 1/8	1.343	3/8	1	2 1/2	5 1/2	2 5/8	6 55/64
2 1/2	1	3/4-16	7/8-14	1 1/8	1 7/8	1.499	1/2	7/8	.968	1/4	3/4	2 1/4	5 3/8	2 3/8	6 47/64
	1 3/8	1-14	1 1/4-12	1 5/8	1 5/8	1.999	5/8	1 1/8	1.343	3/8	1	2 1/2	5 5/8	2 5/8	6 63/64
3 1/4	1 3/8	1-14	1 1/4-12	1 5/8	1 5/8	1.999	5/8	1 1/8	1.343	1/4	7/8	2 5/8	6 1/4	2 3/4	7 57/64
	1 3/4	1 1/4-12	1 1/2-12	2	3	2.374	3/4	1 1/2	1.703	3/8	1 1/8	2 7/8	6 1/2	3	8 9/64
4	1 3/4	1 1/4-12	1 1/2-12	2	2	2.374	3/4	1 1/2	1.703	1/4	1	2 7/8	6 3/4	3	8 25/64
	2	1 1/2-12	1 3/4-12	2 1/4	3 1/2	2.624	7/8	1 11/16	1.953	1/4	1 1/8	3	6 7/8	3 1/8	8 33/64
5	2	1 1/2-12	1 3/4-12	2 1/4	2 1/4	2.624	7/8	1 11/16	1.953	1/4	1 1/8	3	7 3/8	3 1/8	9 15/64
	2 1/2	1 7/8-12	2 1/4-12	3	4 1/2	3.124	1	2 1/16	2.453	3/8	1 3/8	3 1/4	7 5/8	3 3/8	9 31/64
6	2 1/2	1 7/8-12	2 1/4-12	3	3	3.124	1	2 1/16	2.453	1/4	1 1/4	3 3/8	8 1/2	3 1/2	10 21/32
	3 1/2	2 1/2-12	3 1/4-12	3 1/2	6 1/2	4.249	1	3	3.437	1/4	1 1/4	3 3/8	8 1/2	3 1/2	10 21/32
8	3 1/2	2 1/2-12	3 1/4-12	3 1/2	3 1/2	4.249	1	3	3.437	1/4	1 1/4	3 3/4	10 1/4	3 15/16	13 1/8
	4	3-12	3 3/4-12	4	7 1/2	4.749	1	3 3/8	3.937	1/4	1 1/4	3 3/4	10 1/4	3 15/16	13 1/8
	5 1/2	4-12	5 1/4-12	5 1/2	10	6.249	1	4 5/8	5.421	1/4	1 1/4	3 3/4	10 1/4	3 15/16	13 1/8

MMHC-555 Side Tapped (MS4)



1 1/2" THRU 8" CYLINDER BORE



Note:

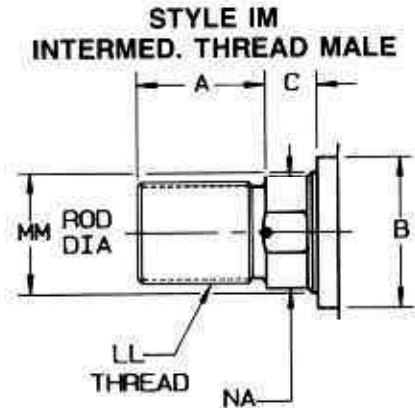
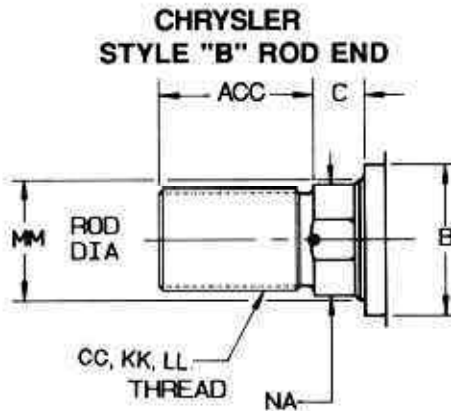
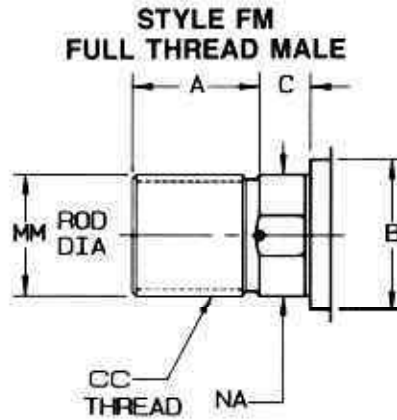
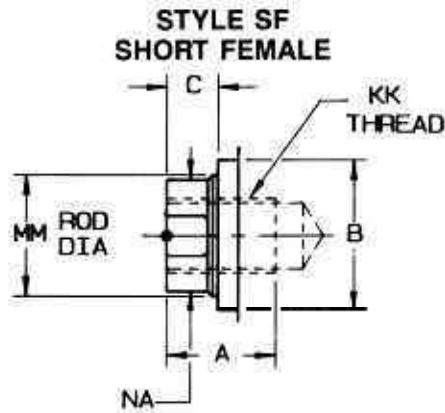
For maximum thrust conditions using this mount, use of a "K" retainer to absorb shear loads is recommended. Add a "K" suffix to Model No.

NOTE:

Head end cushions on 1 1/2", 2" and 2 1/2" bores with max. O/S rods are non-adjustable.

ENVELOPE AND MOUNTING DIMENSIONS NOT AFFECTED BY ROD SIZE

CYL. BORE	E	EE (NPTF)	F	G	J	K	K1	LG	NT	P	SN	TN
1 1/2	2 1/2	1/2	3/8	1 3/4	1 1/2	15/32	3/8	4 5/8	3/8-16	2 7/8	2 7/8	3/4
2	3	1/2	5/8	1 3/4	1 1/2	39/64	1/2	4 5/8	1/2-13	2 7/8	2 7/8	15/16
2 1/2	3 1/2	1/2	5/8	1 3/4	1 1/2	39/64	1/2	4 3/4	5/8-11	3	3	1 5/16
3 1/4	4 1/2	3/4	3/4	2	1 3/4	49/64	5/8	5 1/2	3/4-10	3 1/2	3 1/2	1 1/2
4	5	3/4	7/8	2	1 3/4	49/64	5/8	5 3/4	1-8	3 3/4	3 3/4	2 1/16
5	6 1/2	3/4	7/8	2	1 3/4	63/64	7/8	6 1/4	1-8	4 1/4	4 1/4	2 15/16
6	7 1/2	1	1	2 1/4	2 1/4	1 1/32	1	7 3/8	1 1/4-7	4 7/8	5 1/8	3 5/16
7	8 1/2	1 1/4	1	2 3/4	2 3/4	1 3/16	1 1/8	8 1/2	1 1/2-6	5 3/8	5 7/8	3 3/4
8	9 1/2	1 1/2	1	3	3	1 3/8	1 1/4	9 1/2	1 1/2-6	6 1/8	6 5/8	4 1/4



**CHRYSLER DIMENSIONS
SHOWN HIGH-LIGHTED**

Cyl. Bore	Rod Dia. (mm)	Thread			Rod End Dimensions and Mounting Dimensions Affected by Rod Size												
		KK	LL	CC	A	ACC	B ^{+0.000} _{-0.003}	C	D	NA	ND	V	W	XT	Y	ZB	
1 1/2	5/8	7/16-20	1/2-20	5/8-18	3/4	1 1/8	1.124	3/8	1/2	.593	3/8	1/4	5/8	2	2	6 3/32	
	1	3/4-16	7/8-14	1-14	1 1/8	1 1/8	1.499	1/2	7/8	.968	3/8	1/2	1	2 3/8	2 3/8	6 15/32	
2	1	3/4-16	7/8-14	1-14	1 1/8	1 7/8	1.499	1/2	7/8	.968	3/8	1/4	3/4	2 3/8	2 3/8	6 39/64	
	1 3/8	1-14	1 1/4-12	1 3/8-12	1 5/8	1 5/8	1.999	5/8	1 1/8	1.343	3/8	3/8	1	2 5/8	2 5/8	6 55/64	
2 1/2	1	3/4-16	7/8-14	1-14	1 1/8	1 7/8	1.499	1/2	7/8	.968	1/2	1/4	3/4	2 3/8	2 3/8	6 47/64	
	1 3/8	1-14	1 1/4-12	1 3/8-12	1 5/8	1 5/8	1.999	5/8	1 1/8	1.343	1/2	3/8	1	2 5/8	2 5/8	6 63/64	
3 1/4	1 3/4	1 1/4-12	1 1/2-12	1 3/4-12	2	3	2.374	3/4	1 1/2	1.703	1/2	1/2	1 1/4	2 7/8	2 7/8	7 15/64	
	2	1 1/2-12	1 3/4-12	2-12	2 1/4	3 1/2	2.624	7/8	1 11/16	1.953	3/4	3/8	1 1/4	3 1/8	3 1/8	8 17/64	
4	1 3/4	1 1/4-12	1 1/2-12	1 3/4-12	2	2	2.374	3/4	1 1/2	1.703	3/4	1/4	1	3	3	8 25/64	
	2	1 1/2-12	1 3/4-12	2-12	2 1/4	3 1/2	2.624	7/8	1 11/16	1.953	3/4	1/4	1 1/8	3 1/8	3 1/8	8 33/64	
5	2 1/2	1 7/8-12	2 1/4-12	2 1/2-12	3	4 1/2	3.124	1	2 1/16	2.453	3/4	3/8	1 3/8	3 3/8	3 3/8	8 49/64	
	3	2 1/4-12	2 3/4-12	3-12	3 1/2	5 1/2	3.749	1	2 5/8	2.937	1	3/8	1 3/8	3 3/8	3 3/8	9 15/64	
6	3 1/2	2 1/2-12	3 1/4-12	3 1/2-12	3 1/2	6 1/2	4.249	1	3	3.437	1	3/8	1 3/8	3 3/8	3 3/8	9 31/64	
	4	3-12	3 3/4-12	4-12	4	7 1/2	4.749	1	3 3/8	3.937	1 1/8	1/4	1 1/4	3 1/2	3 1/2	10 21/32	
7	3	2 1/4-12	2 3/4-12	3-12	3 1/2	3 1/2	3.749	1	2 5/8	2.937	1 1/4	1/4	1 1/4	3 13/16	3 13/16	11 15/16	
	3 1/2	2 1/2-12	3 1/4-12	3 1/2-12	3 1/2	6 1/2	4.249	1	3	3.437	1 1/4	1/4	1 1/4	3 13/16	3 13/16	11 15/16	
8	4	3-12	3 3/4-12	4-12	4	7 1/2	4.749	1	3 3/8	3.937	1 1/4	1/4	1 1/4	3 13/16	3 13/16	11 15/16	
	4 1/2	3 1/4-12	4 1/4-12	4 1/2-12	4 1/2	8 1/4	5.249	1	3 7/8	4.421	1 1/4	1/4	1 1/4	3 13/16	3 13/16	11 15/16	
9	5	3 1/2-12	4 3/4-12	5-12	5	9	5.749	1	4 1/4	4.921	1 1/4	1/4	1 1/4	3 13/16	3 13/16	11 15/16	
	5 1/2	4-12	5 1/4-12	5 1/2-12	5 1/2	10	6.249	1	4 5/8	5.421	1 1/4	1/4	1 1/4	3 15/16	3 15/16	13 1/8	
10	5 1/2	4-12	5 1/4-12	5 1/2-12	5 1/2	10	6.249	1	4 5/8	5.421	1 1/4	1/4	1 1/4	3 15/16	3 15/16	13 1/8	
	6	4 1/2-12	5 1/2-12	6-12	6	11	6.749	1	5	5.921	1 1/4	1/4	1 1/4	3 15/16	3 15/16	13 1/8	

General Pressure Rating



GENERAL PRESSURE RATING -- 3000 P.S.I.

MOUNTINGS WITH LIMITED PRESSURE RATINGS ARE SHOWN BELOW

MF1 MOUNT		
BORE	ROD	MAXIMUM PRESSURE
1.500	.625	2500
	1.000	1500
2.000	1.000	2500
	1.375	1500
2.500	1.000	2500
	1.375	1800
	1.750	1500
3.250	1.375	2500
	1.750	2100
	2.000	1500
4.000	1.750	2500
	2.000	1800
	2.500	1500

5.000	2.000	2200
	2.500	1650
	3.000	1200
	3.500	750
6.000	2.500	1800
	3.000	1450
	3.500	1100
	4.000	750
7.000	3.000	1500
	3.500	1250
	4.000	1000
	4.500	800
	5.000	500
8.000	3.500	900
	4.000	800
	4.500	700
	5.000	600
	5.500	500

MF2 MOUNT		
BORE	ROD	MAXIMUM PRESSURE
1.500	.625	3000
	1.000	3000
2.000	1.000	3000
	1.375	3000
2.500	1.000	3000
	1.375	3000
	1.750	3000
3.250	1.375	3000
	1.750	3000
	2.000	3000
4.000	1.750	3000
	2.000	3000
	2.500	3000

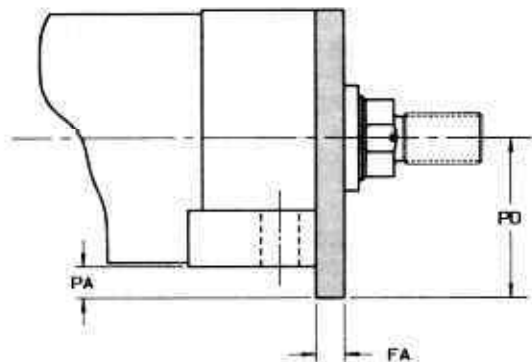
5.000	2.000	2000
	2.500	2500
	3.000	2800
	3.500	3000
6.000	2.500	2000
	3.000	2500
	3.500	2800
	4.000	3000
7.000	3.000	1500
	3.500	1700
	4.000	1800
	4.500	1900
	5.000	2000
8.000	3.500	1500
	4.000	1700
	4.500	1800
	5.000	1900
	5.500	2000

Extension Key Retainers

FOR CYLINDERS REQUIRING MAXIMUM PRESSURE,
USE ANY OF THE FOLLOWING MOUNT STYLES:
ME5, ME6, MF5 OR MF6

MMHC EXTENDED KEY RETAINER DIMENSIONS

BORE	FA + .000/ - .001	PA	PD
1 1/2	.361	3/16	1 7/16
2	.611	5/16	1 13/16
2 1/2	.611	5/16	2 1/16
3 1/4	.736	3/8	2 5/8
4	.861	7/16	2 15/16
5	.861	7/16	3 11/16
6	.986	1/2	4 1/4
7	.986	1/2	4 3/4
8	.986	1/2	5 1/4
10	1.674	27/32	7 5/32
12	1.924	31/32	8 13/32



EXTENDED KEY RETAINER