HYDRAULIC CYLINDERS INC.®

'HCS' SERIES APPLICATION CHECKLIST

DATE
/ /

Need help selecting the right cylinder for your application?

Just fill out as much information about your application and contact HYDRAULIC CYLINDERS INC.®.

PHONE: 1-888-771-1894 | **FAX:** 1-888-693-8681 | **EMAIL:** sales@hydrauliccylindersinc.com | **WEB:** HydraulicCylindersInc.com

CUSTOMER INFORMATION

CUSTOMER

CONTACT

HOW DO YOU WANT TO BE CONTACTED?

PHONE

FAX

EMAIL

APPLICATION INFORMATION

DO YOU HAVE A BASIC CYLINDER DESCRIPTION?

BORE

STROKE

MOUNT

OPTIONS

MODIFICATION

CYLINDER OPERATING PRESSURE: ☐ PNEUMATIC PSI ☐ HYDRAULIC PSI (NON-STOCK)

AMBIENT TEMPERATURE: ☐ NORMAL INDOOR INDUSTRIAL ☐ COLD: _____ °F ☐ HOT: _____ °F

CYLINDER VELOCITY: _____ INCHES/SECOND _____ CYCLES PER MINUTE:

CYLINDER ORIENTATION: ☐ HORIZONTAL ☐ VERTICAL: ☐ ROD UP ☐ ROD DOWN ☐ ANGLE (DEGREES)

DESCRIBE THE LOAD (INCLUDING WEIGHT). IS THE LOAD GUIDED? HOW IS THE CYLINDER ROD ATTACHED TO THE LOAD? ANY SIDE LOAD?

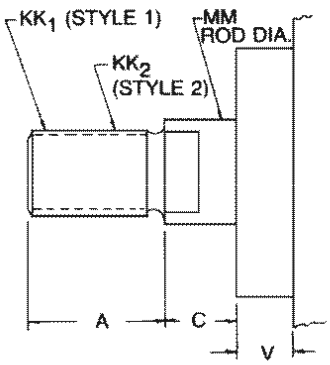
APPLICATION:

HYDRAULIC CYLINDERS INC.®

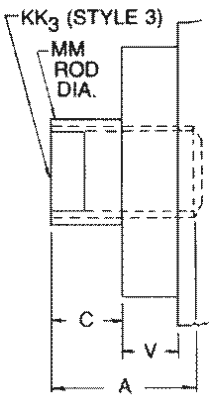
SERIES 'HCS' DIMENSIONS | BASIC CYLINDER (NO MOUNT)

PISTON ROD END STYLES

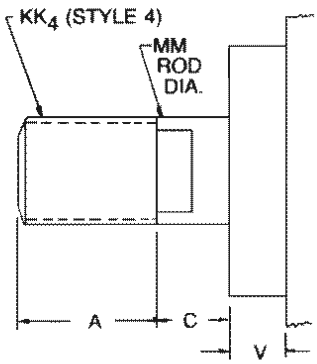
STYLE 1 & 2
KK1 & KK2



STYLE 3
KK3



STYLE 4
KK4



STANDARD			OPTIONAL								
ROD DIAMETER (MM)	STYLE 1 – MALE		STYLE 2 – MALE		STYLE 3 – FEMALE		STYLE 4 – MALE		STYLE 5 – BLANK	C	V
	KK1	A	KK2	A	KK3	A	KK4	A	KK5		
0.625	7/16-20	0.750	1/2-20	0.750	7/16-20	0.750	5/8-18	0.750	NO THREADS	0.375	0.250
0.625 CUSTOMIZED											
1.000	3/4-16	1.125	7/8-14	1.125	3/4-16	1.125	1-14	1.125	NO THREADS	0.500	0.250
1.000 CUSTOMIZED											
1.375	1-14	1.625	1 1/4-12	1.625	1-14	1.625	1 3/8-12	1.625	NO THREADS	0.625	0.375
1.375 CUSTOMIZED											
1.750	1 1/14-12	2.000	1 1/2-12	2.000	1 1/4-12	2.000	1 3/4-12	2.000	NO THREADS	0.750	0.500
1.750 CUSTOMIZED											

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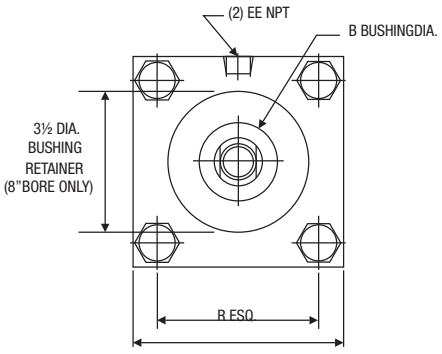
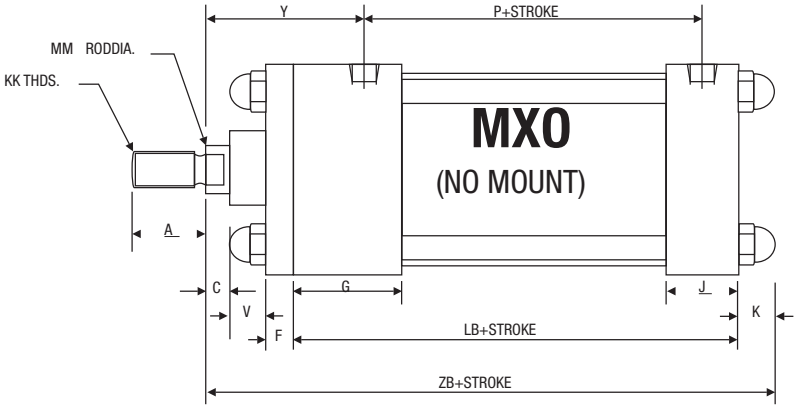
SERIES 'HCS' DIMENSIONS | BASIC CYLINDER (NO MOUNT)

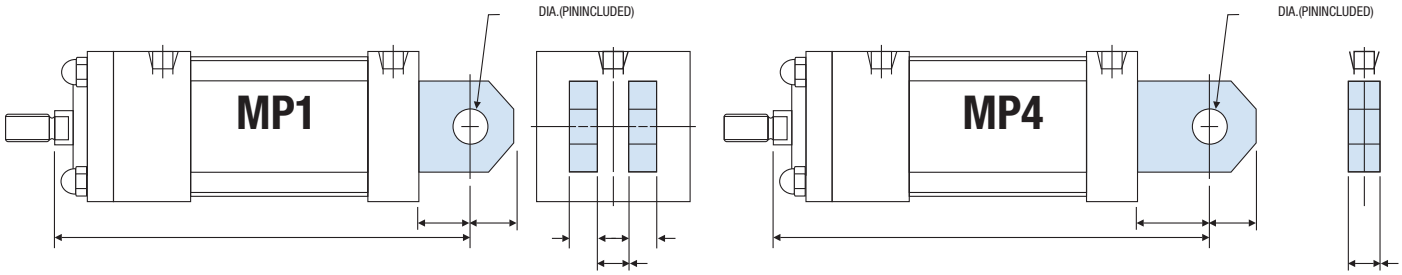
BASIC MODELS



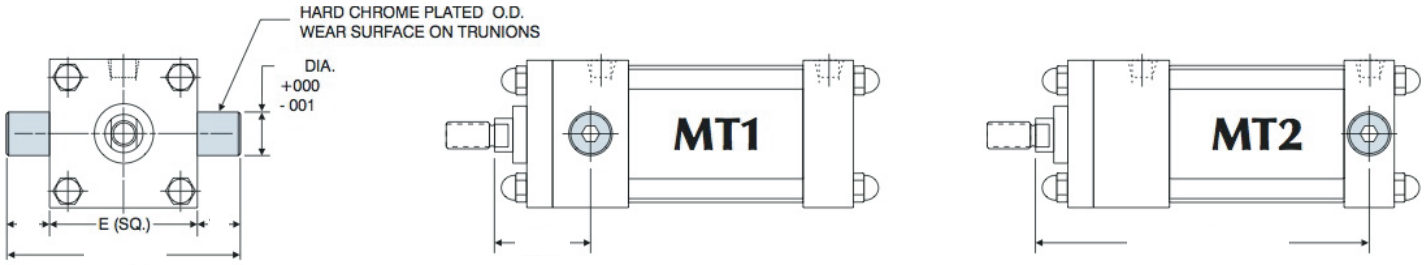


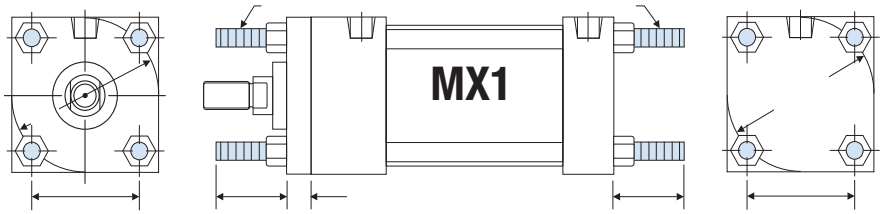
BASIC DIMENSIONS 'MXO' STANDARD AND OVERSIZE RODS

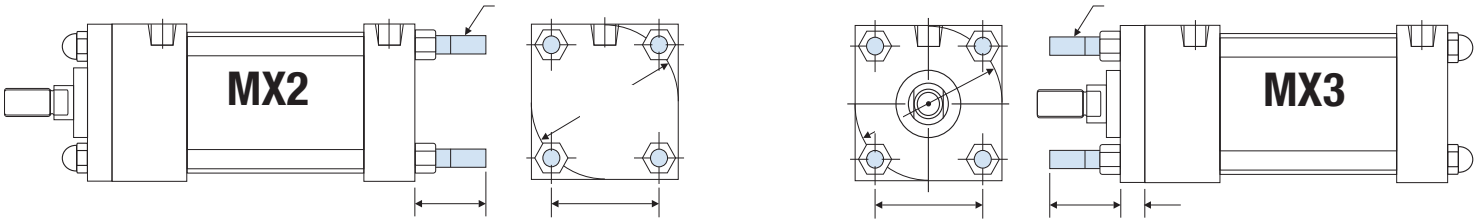
BORE	ROD DIAMETER	A	B	C	E	EE	F	G	J	K	KK	LB	MM	P	R	V	Y	ZB
1.50	0.625 Standard	0.750	1.125	0.375	2.000	0.375	0.375	1.500	1.000	0.438	7/16-20	3.625	0.625	2.375	1.430	0.250	1.875	5.063
	1.000 Oversize	1.125	1.500	0.500							3/4-16		1.000			0.500	2.250	5.438
2.00	0.625 Standard	0.750	1.125	0.375	2.500	0.375	0.375	1.500	1.000	0.563	7/16-20	3.625	0.625	2.375	1.840	0.250	1.875	5.188
	1.000 Oversize	1.125	1.500	0.500							3/4-16		1.000			0.500	2.250	5.563
2.50	0.625 Standard	0.750	1.125	0.375	3.000	0.375	0.375	1.500	1.000	0.563	7/16-20	3.750	0.625	2.500	2.190	0.250	1.875	5.313
	1.000 Oversize	1.125	1.500	0.500							3/4-16		1.000			0.500	2.250	5.688
3.25	1.000 Standard	1.125	1.500	0.500	3.750	0.500	0.625	1.750	1.250	0.625	3/4-16	4.250	1.000	2.750	2.760	0.250	2.375	6.250
	1.375 Oversize	1.625	2.000	0.625							1-14		1.375			0.375	2.625	6.500
4.00	1.000 Standard	1.125	1.500	0.500	4.500	0.500	0.625	1.750	1.250	0.625	3/4-16	4.250	1.000	2.750	3.320	0.250	2.375	6.250
	1.375 Oversize	1.625	2.000	0.625							1-14		1.375			0.375	2.625	6.500
5.00	1.000 Standard	1.125	1.500	0.500	5.500	0.500	0.625	1.750	1.250	0.813	3/4-16	4.500	1.000	3.000	4.100	0.250	2.375	6.625
	1.375 Oversize	1.625	2.000	0.625							1-14		1.375			0.375	2.625	6.875
6.00	1.375 Standard	1.625	2.000	0.625	6.500	0.750	0.750	2.000	1.500	0.813	1-14	5.000	1.375	3.250	4.880	0.250	2.750	7.375
	1.750 Oversize	2.000	2.375	0.750							1 1/4-12		1.750			0.375	3.000	7.625
8.00	1.375 Standard	1.625	2.000	0.625	8.500	0.750	0.625	2.000	1.500	1.000	1-14	5.125	1.375	3.375	6.440	0.375	2.750	7.750
	1.750 Oversize	2.000	2.375	0.750							1 1/4-12		1.750			0.500	3.000	8.000

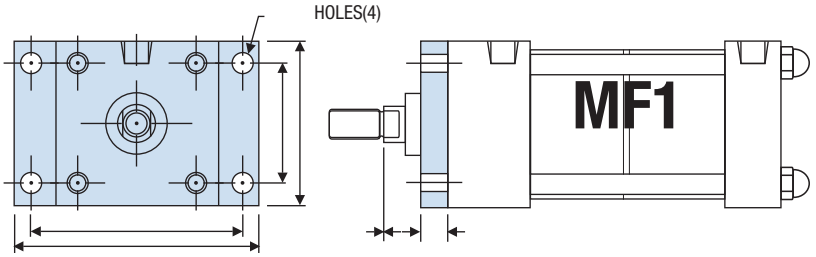


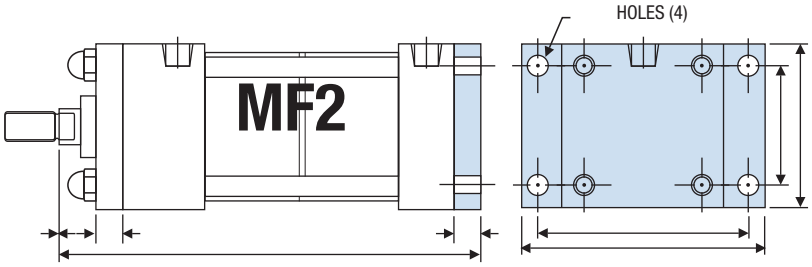
Note: Pivot Mount is non-detachable. Contact factory for detachable mount options.

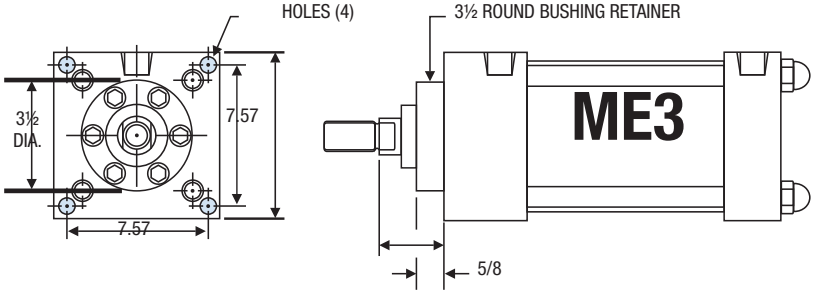


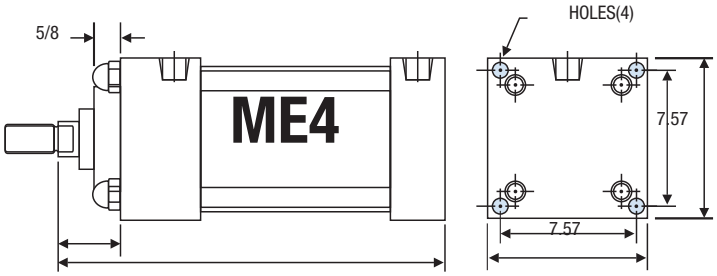


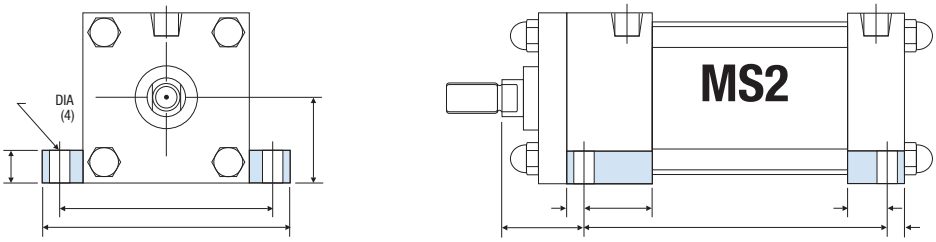


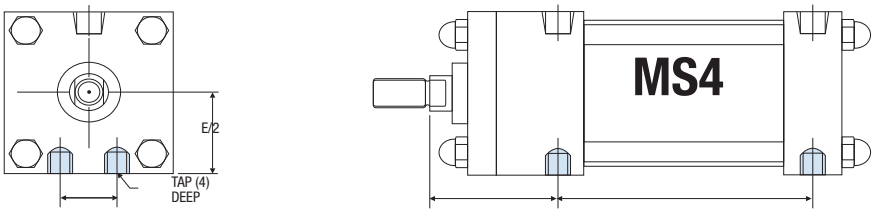

HOLES(4)
MF1


HOLES (4)
MF2


HOLES (4)
3½ ROUND BUSHING RETAINER
3½
DIA.
7.57
7.57
ME3
5/8


5/8
HOLES(4)
ME4
7.57
7.57


DIA
(4)
MS2


E/2
TAP (4)
DEEP
MS4

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SKETCH

(INCLUDE DIMENSIONS)

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NOTES