



HYDRAULIC CYLINDERS INC.®

'HCF' 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-SHOCK)

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?

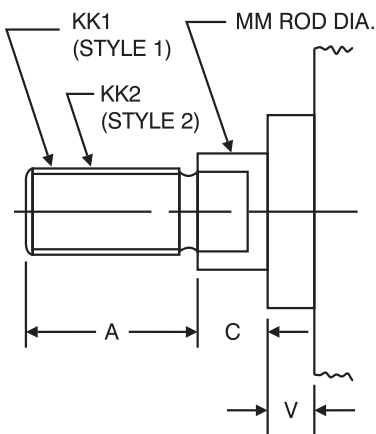
APPLICATION:



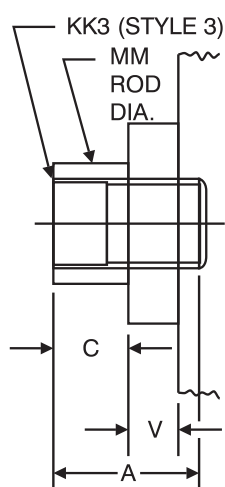
SERIES 'HCF' DIMENSIONS | BASIC CYLINDER (NO MOUNT)

PISTON ROD END STYLES

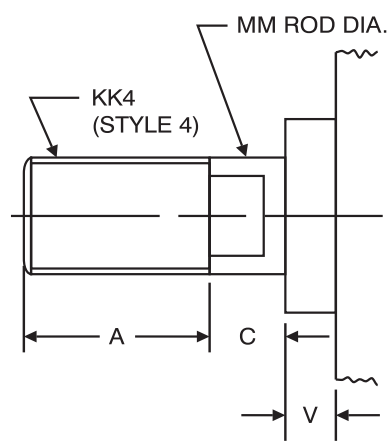
STYLE 1 & 2
KK1 & KK2



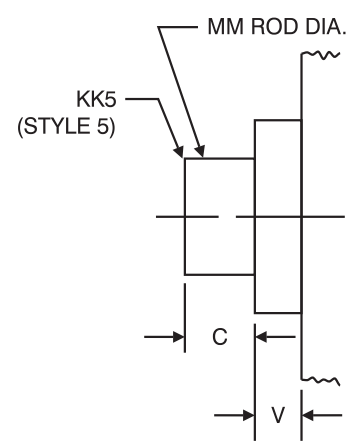
STYLE 3
KK3



STYLE 4
KK4



STYLE 5
KK5

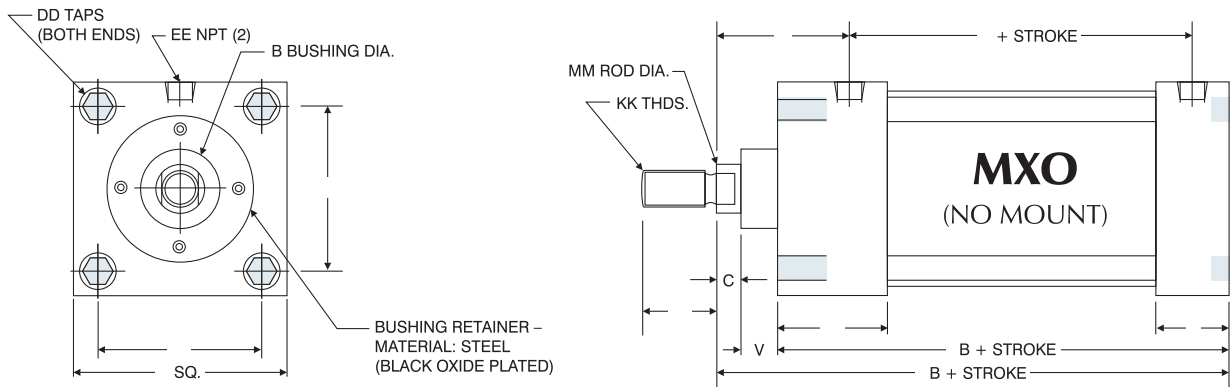


| STANDARD | | | OPTIONAL | | | | | | | | |
|-------------------|----------------|-------|----------------|-------|------------------|-------|----------------|-------|-----------------|-------|-------|
| ROD DIAMETER (MM) | STYLE 1 – MALE | | STYLE 2 – MALE | | STYLE 3 – FEMALE | | STYLE 4 – MALE | | STYLE 5 – BLANK | C | V |
| | KK1 | A | KK2 | A | KK3 | A | KK4 | A | KK5 | | |
| 0.625 STANDARD | 7/16-20 | 0.750 | 1/2-20 | 0.750 | 7/16-20 | 0.750 | 5/8-18 | 0.750 | NO THREADS | 0.375 | 0.625 |
| 1.000 OVERSIZE | 3/4-16 | 1.125 | 7/18-14 | 1.125 | 3/4-16 | 1.125 | 1-14 | 1.125 | NO THREADS | 0.500 | 0.500 |
| 1.000 STANDARD | 3/4-16 | 1.125 | 7/8-14 | 1.125 | 3/4-16 | 1.125 | 1-14 | 1.125 | NO THREADS | 0.500 | 0.875 |
| 1.375 OVERSIZE | 1-14 | 1.625 | 1 1/4-12 | 1.625 | 1-14 | 1.625 | 1 3/8-12 | 1.625 | NO THREADS | 0.625 | 1.000 |
| 1.375 STANDARD | 1-14 | 1.625 | 1 1/4-12 | 1.625 | 1-14 | 1.625 | 1 3/8-12 | 1.625 | NO THREADS | 0.625 | 1.000 |
| 1.750 OVERSIZE | 1 1/4-12 | 2.000 | 1 1/2-12 | 2.000 | 1 1/4-12 | 2.000 | 1 3/4-12 | 2.000 | NO THREADS | 0.750 | 1.125 |



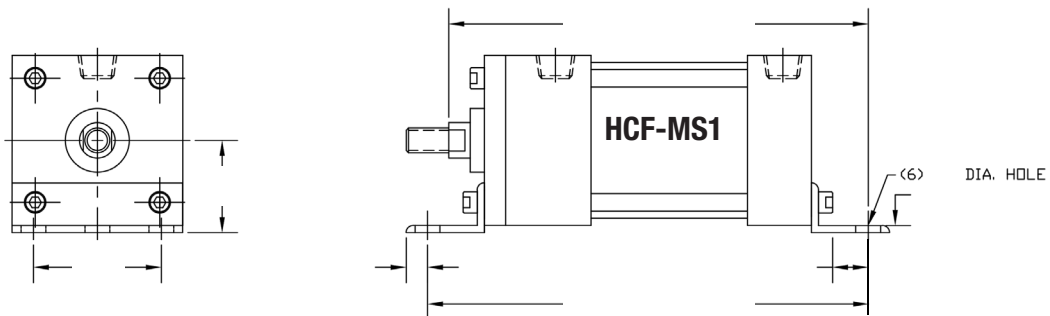
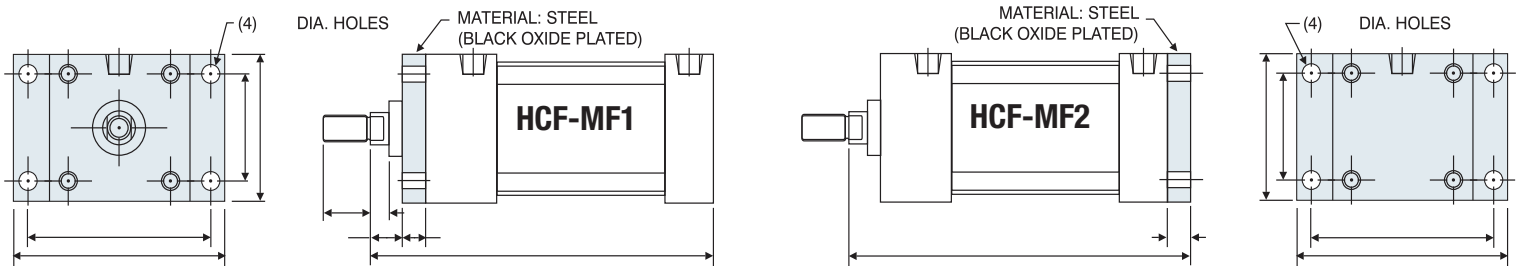
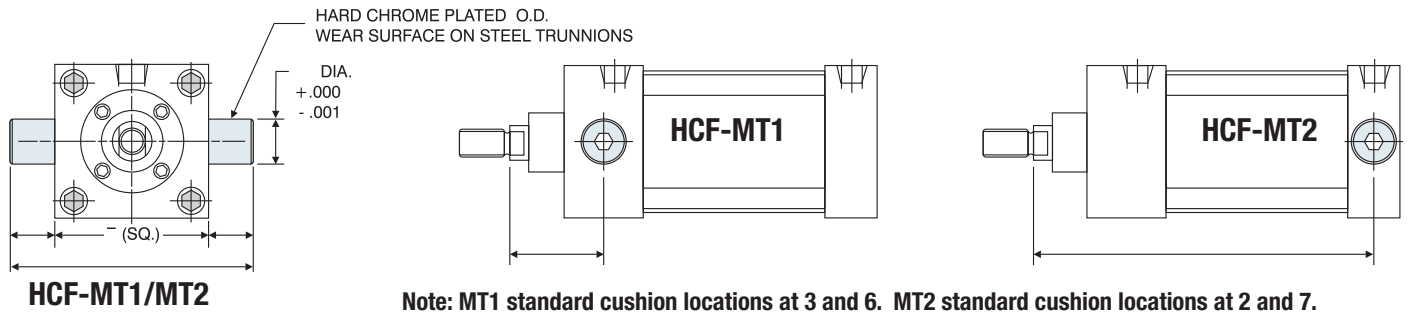
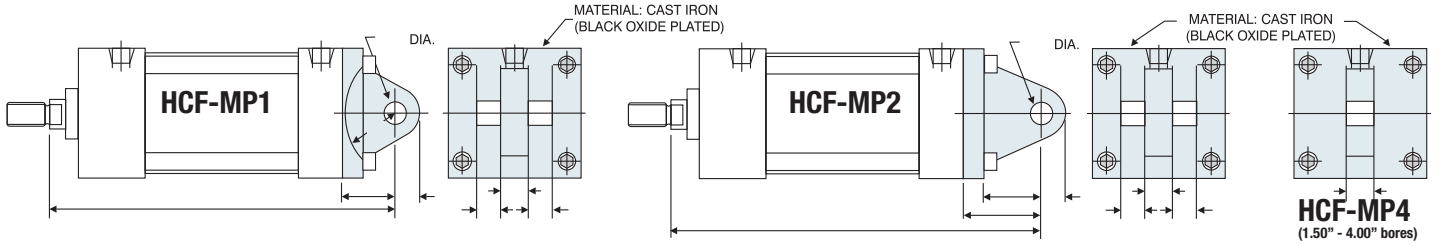
SERIES 'HCF' DIMENSIONS | BASIC CYLINDER (NO MOUNT)

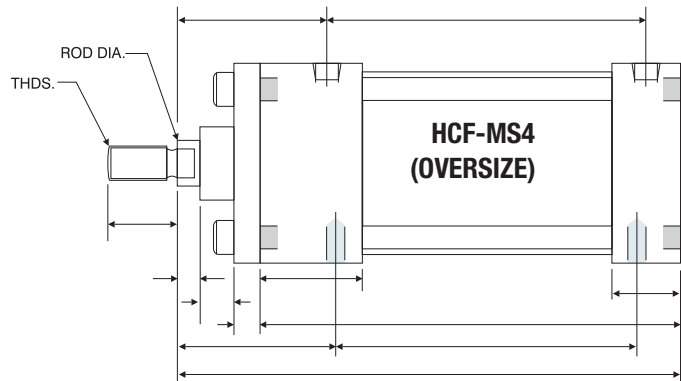
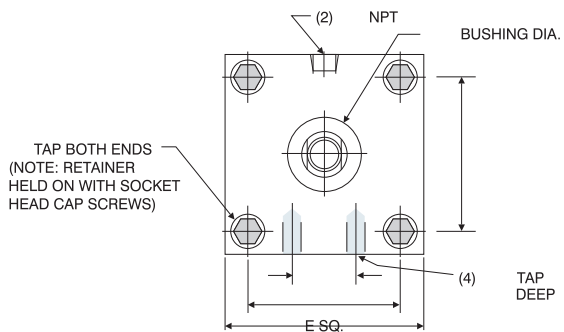
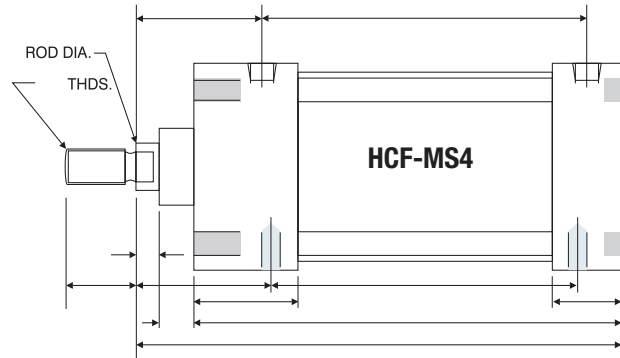
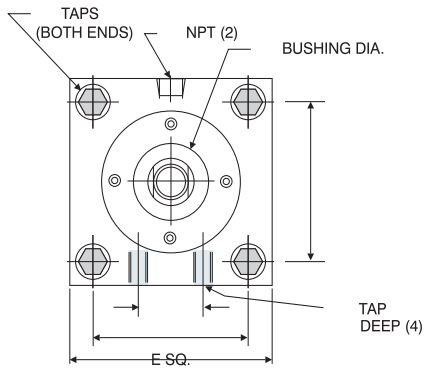
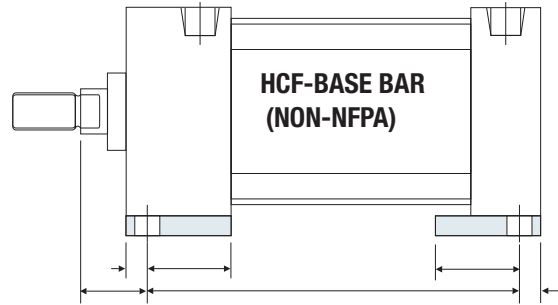
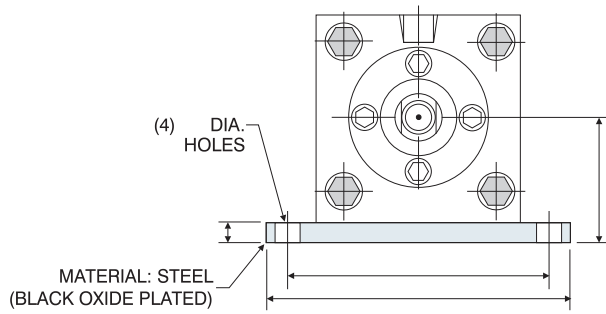
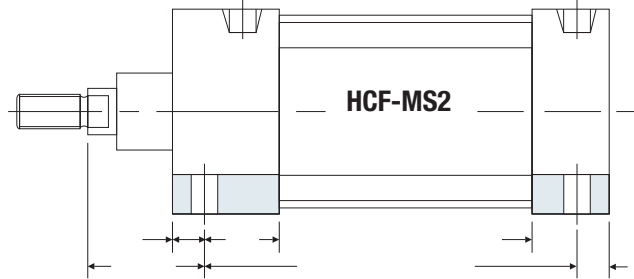
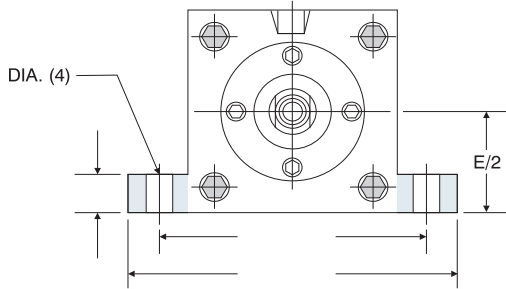
BASIC MODELS



'HCF' SERIES BASIC DIMENSIONS 'MXO'

| BORE | A | B | C | DD | E | EE | G | J | KK | LB | MM | P | R | V | T | ZB |
|------|-------|-------|-------|---------|-------|-------|-------|-------|---------|-------|-------|-------|-------|-------|-------|-------|
| 1.50 | 0.750 | 1.125 | 0.375 | 1/4-28 | 2.000 | 0.250 | 1.500 | 1.000 | 7/16-20 | 3.625 | 0.625 | 2.375 | 1.438 | 0.625 | 1.875 | 4.625 |
| 2.00 | 0.750 | 1.125 | 0.375 | 5/16-24 | 2.500 | 0.250 | 1.500 | 1.000 | 7/16-20 | 3.625 | 0.625 | 2.375 | 1.843 | 0.625 | 1.875 | 4.625 |
| 2.50 | 0.750 | 1.125 | 0.375 | 5/16-24 | 3.000 | 0.250 | 1.500 | 1.000 | 7/16-20 | 3.750 | 0.625 | 2.500 | 2.188 | 0.625 | 1.875 | 4.750 |
| 3.25 | 1.125 | 1.500 | 0.500 | 3/8-24 | 3.750 | 0.375 | 1.750 | 1.250 | 3/4-16 | 4.250 | 1.000 | 2.750 | 2.760 | 0.875 | 2.375 | 5.625 |
| 4.00 | 1.125 | 1.500 | 0.500 | 3/8-24 | 4.500 | 0.375 | 1.750 | 1.250 | 3/4-16 | 4.250 | 1.000 | 2.750 | 3.320 | 0.875 | 2.375 | 5.625 |
| 5.00 | 1.125 | 1.500 | 0.500 | 1/2-20 | 5.500 | 0.375 | 1.750 | 1.250 | 3/4-16 | 4.500 | 1.000 | 3.000 | 4.100 | 0.875 | 2.375 | 5.875 |
| 6.00 | 1.625 | 2.000 | 0.625 | 1/2-20 | 6.500 | 0.500 | 2.000 | 1.500 | 1-14 | 5.000 | 1.375 | 3.250 | 4.875 | 1.000 | 2.750 | 6.625 |
| 8.00 | 1.625 | 2.000 | 0.625 | 5/8-18 | 8.500 | 0.750 | 2.000 | 1.500 | 1-14 | 5.125 | 1.375 | 3.375 | 6.438 | 1.000 | 2.750 | 7.313 |







SKETCH
(INCLUDE DIMENSIONS)

A large, empty grid of small squares, intended for drawing a technical sketch of a hydraulic cylinder. The grid is composed of 30 columns and 30 rows of squares, providing a structured area for the student to draw and include dimensions.

