

How to Order Peninsular Series IMH Metric

Peninsular, Inc. 27650 Groesbeck Highway, Roseville Michigan 48066-2759
www.peninsularcylinders.com

ALL STEEL CONSTRUCTION CYLINDER: Detachable rear clevis, 80mm bore x 200mm stroke, 25mm Dia. rod with M20-1.5 X 40 male threads. Front and rear end caps are prepped for in-port mounted proximity switches at position #1, NPT port at position #2, Cushion at position #4, No proximity switch attached to the cylinder.

Sample Order:

	End Cap				Side Locations.....				1	2	3	4	1	2	3	4			
Position Number.....	<u>IMH</u>	<u>3</u>	<u>80</u>	<u>X</u>	<u>200</u>	<u>AM</u>	-	<u>M</u>	<u>A</u>	<u>N</u>	<u>C</u>	-	<u>M</u>	<u>A</u>	<u>N</u>	<u>C</u>	-	<u>0</u>	<u> </u>
	1.	2.	3.	4.	5.	6.	7.	8.	9.										

POSITION 1. CYLINDER MODEL: SPECIFY *IMH* IN THIS POSITION

SERIES IMH FEATURES

32mm bore through 1,000mm bore
Bolt on cylinder mounts. (Std.)
Larger lasting improved nitrile seals. (Std.)
Machined steel cylinder heads. (Std.)
Removable, internally lubricated, bearing cartridge. (Std.)
D.O.M. Seamless tube with hard chrome plated I.D. (Std.)
Internally lubricated for life; no in-line lubrication required. (Std.)
100,000 PSI yield, chrome plated piston rod (Std.)
Adjustable cushions with captive screw.
In port mounted proximity switches for near end of stroke position sensing (Replaces Mechanical Limit Switches.)

POSITION 2. SPECIFY CYLINDER MOUNTING STYLE: (See Back Page of This Booklet for Illustrations)

IMH 0 - No Mount (MX0)	IMH 5 - Rear Rectangular Flange (MF2)
IMH 3 - Detachable Rear Clevis (MP2)	IMH 6 - Center Trunnion (See Note on Back Page) (MT4)
IMH 4 - Front Rectangular Flange (MF1)	IMH 13 - Detachable Front Angle Foot (MS1)

POSITION 3. SPECIFY CYLINDER BORE:

32 = 32 mm	100 = 100 mm
40 = 40 mm	125 = 125 mm
50 = 50 mm	160 = 160 mm
63 = 63 mm	200 = 200 mm
80 = 80 mm	250 = 250 mm
	320 = 320 mm

For Larger Bores Contact Peninsular

POSITION 4. SPECIFY STROKE LENGTH:

Specify Stroke Length in millimeters from 25 mm to 3,500 mm.

For Stop Tube applications, contact Peninsular to determine call out for correct stroke length to specify.

POSITION 5 SPECIFY PISTON ROD DIAMETER & ROD THREADS

FIRST LETTER DENOTES ROD DIAMETER, SPECIFY:

"A" = Standard Rod Dia.

Other than Standard Rod Diameter, Specify "X" and write Rod Diameter.

SECOND LETTER DENOTES ROD THREADS, SPECIFY:

"M" = Standard Male Rod Threads.

Other than Standard Male Rod Threads, Specify "X" and write Rod Threads.

BORE SIZE	STD. ROD DIAMETER SPECIFY A	STANDARD MALE ROD THREADS SPECIFY "M"
32	12	M10 x 1.25 - 22 LONG
40	16	M12 x 1.25 - 24 LONG
50	20	M16 x 1.5 - 32 LONG
63	20	M16 x 1.5 - 32 LONG
80	25	M20 x 1.5 - 40 LONG
100	32	M20 x 1.5 - 40 LONG
125	32	M27 x 2.0 - 54 LONG
160	40	M36 x 2.0 - 72 LONG
200	40	M36 x 2.0 - 72 LONG
250	50	M42 x 2.0 - 84 LONG
320	50	M48 x 2.0 - 96 LONG

FOR LARGER BORE SIZES CONTACT PENINSULAR

Steel Air Cylinder - Medium/Heavy Duty

Telephone (586) 775-7211 Fax: (586) 775-4545 Toll Free: (800) 526-7968

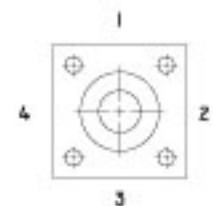
Email: sales@peninsularcylinders.com
tech@peninsularcylinders.com

POSITION 6 & 7

SPECIFY PLUMBING CONFIGURATION FOR ROD END CAP (POSITION 6) AND CAP END (POSITION 7) SIDE POSITIONS

- N** = Nothing. No Air Supply Port, No Cushion Adjustment Screw
- A** = NPT Air Supply Port
- G** = BSP air supply port (G-Port)
- W** = BPT air supply port
- S** = Proximity switch will be affixed by Peninsular to the cylinder head (Complete position 8)
- M** = Cylinder head will be prepared to receive an "In Port" mounted proximity switch, Peninsular will not mount the switch to the cylinder head (Specify "0" in position 8)
- C** = Cushion Adjustment Screw
- B** = NPT port and Cushion adjustment screw at same side location
- V** = BSP (G-Port) and cushion adjustment screw on same side location
- Q** = BPT port and cushion adjustment screw on same side location

End Cap Side Locations



Always View Cylinder Through Rod End.

Positions 8. PROXIMITY SWITCHES

Use this position to identify the required proximity switch that is to be affixed to the cylinder.
IF A SWITCH IS NOT SUPPLIED WITH THE CYLINDER SPECIFY 0 (ZERO) IN POSITION 8.

RF INDUCTIVE PROXIMITY SWITCHES - IN PORT MOUNTED TO CYLINDER HEAD

SPECIFY TYPE

- S - Namco Standard - Mini-Connector
- L - Namco Low Profile - Micro-Connector
- LPR - Namco Low Profile Rotatable
- T-11 - Turck Mini-Connector
- T-31 - Turck Micro-Connector
- EL - Namco Euro Low Profile
- ER - Namco Euro Rotatable
- TE - Turck Euro PNP (Sourcing)
- TN - Turck Euro NPN (Sinking)

IF PROXIMITY SWITCH CORDS ARE REQUIRED, CONTACT PENINSULAR

RF INDUCTIVE (IN-PORT MOUNTED) PROXIMITY SWITCH PROBE LENGTH DIMENSIONS (BOTH CYLINDER ENDS)

Bore Size	40mm	50mm	63mm	80mm	100mm	125mm	160mm	200mm	250mm	320mm
Probe Length	1.025	1.025	1.025	1.025	1.250	2.062	2.062	2.875	3.775	4.562

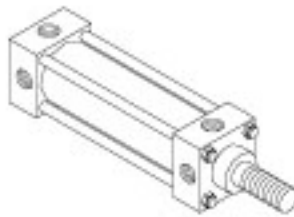
POSITIONS 9. SPECIFY OPTIONAL FEATURES WITH SLASH MARK AND ALPHA CHARACTER(S)

- /B** = ADJUSTABLE STROKE
- /K** = SPRING RETURN
- /V** = VITON SEALS
- /E** = EXTENDED PISTON ROD
- /N** = STOP TUBE
- /XV** = SPECIFY XV DIMENSION (STYLE 6)
- /H** = ROD BOOT COVER
- /S** = SCRAPER RING
- /Y** = DOUBLE ROD END
- /J** = SPRING EXTEND
- /U** = NON ROTATABLE PISTON ROD
- /O** = OPTIONS OTHER THAN ABOVE (PLEASE DESCRIBE)

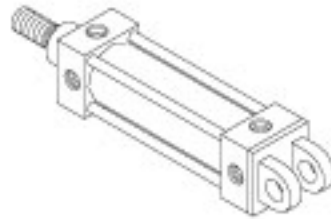
IMH SERIES METRIC CYLINDER
MOUNTING STYLES

Peninsular metric air cylinders are available in the following detachable ISO mounting styles. Other mounting styles are also available upon request.

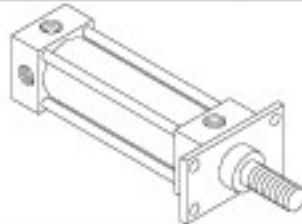
IMH 0
NO MOUNT
(MX0)



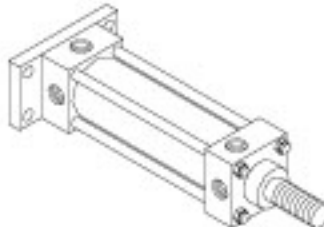
IMH 3
DETACHABLE
REAR CLEVIS
(MP2)



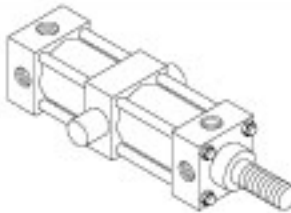
IMH 4
DETACHABLE
FRONT FLANGE
(MF1)



IMH 5
DETACHABLE
REAR FLANGE
(MF2)

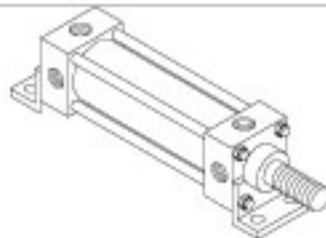


IMH 6
CENTER TRUNNION
(MT4)



NOTE: SPECIFY XV
DIMENSION AT POSITION 9.
IF XV DIMENSION IS NOT
SPECIFIED, TRUNNION WILL BE
CENTERED BETWEEN FRONT
AND REAR END CAPS.

IMH 13
DETACHABLE
FRONT ANGLE
FOOT MOUNT
(MS1)



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Peninsular aluminum metric cylinders are also available. Please refer to our Series ILM cylinders for more information.