

# Telescopic Cylinders

Reliable, Smooth Operating and Totally Interchangeable



**EASTAI**

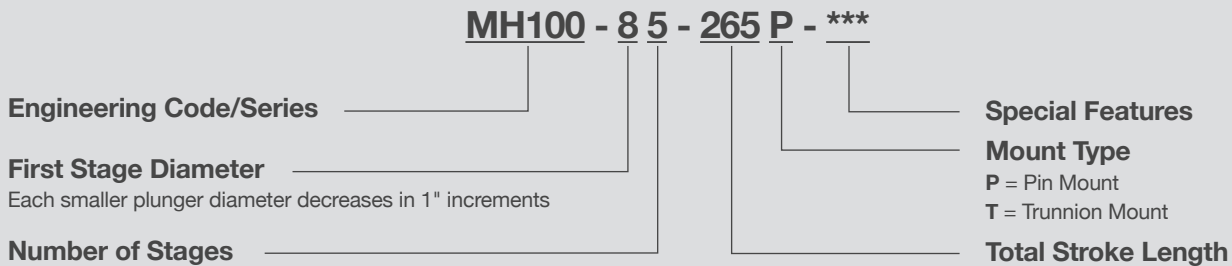


- Single acting—pin mount & trunnion mount options
- Bleeder-less design (pin mount only)
- Re-designed piston assembly reduces air pocket
- All cylinder stages are chrome plated & roller burnished
- Dual retaining rings & dual nylon bearings
- Low friction dual lip rod seal



# It's All in the Details

## MODEL CODE BREAKDOWN

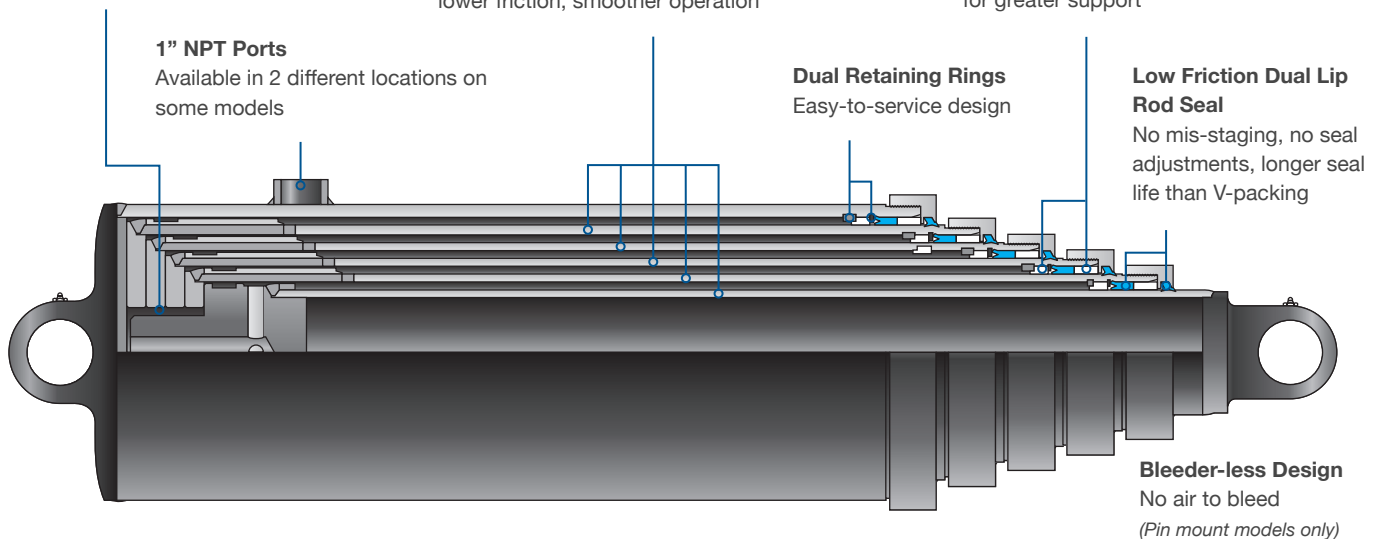


## SPECS & BENEFITS

**Redesigned Piston Assembly**  
Reduces air pocket at base of cylinder

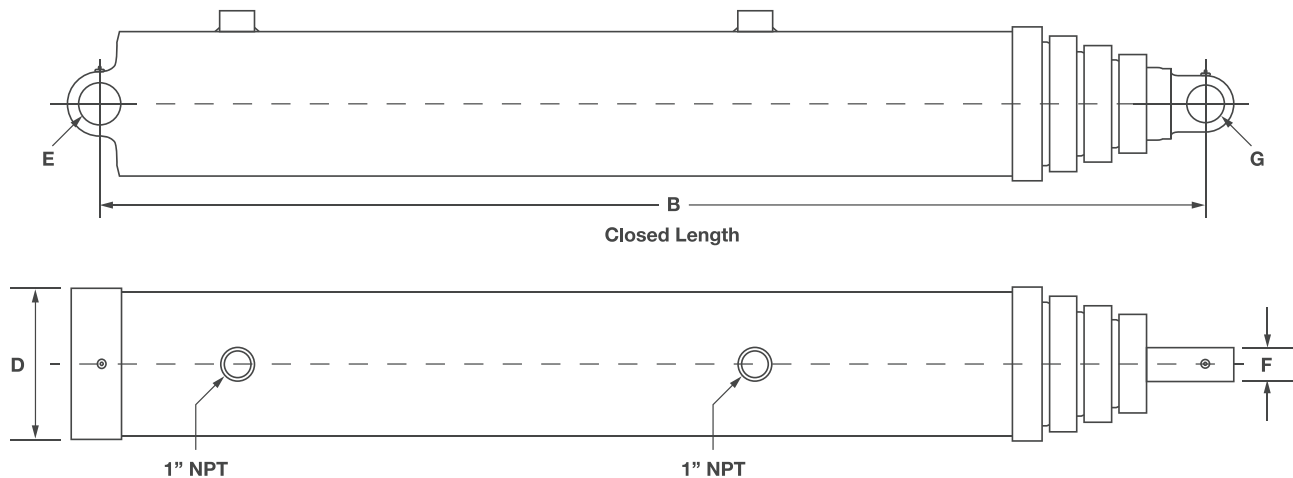
**All Stages are Chrome Plated**  
Increases impact & scratch resistance, strength;  
lower friction, smoother operation

**Dual Nylon Bearings**  
More bearing surface area  
for greater support



|  | GENUINE METARIS | PARKER®   | CUSTOM HOIST®         | MUNCIE® | HYCO® |
|--|-----------------|-----------|-----------------------|---------|-------|
| <b>Bleeder-less Design</b><br>(not available in trunnion models) | ✓               | ✓         | ✓                     | ✓       | -     |
| <b>Low Friction Dual Lip Rod Seal</b>                            | ✓               | V-packing | V-packing             | ✓       | ✓     |
| <b>Dual nylon Bearings</b>                                       | ✓               | -         | ✓                     | ✓       | ✓     |
| <b>Dual Retaining Rings</b>                                      | ✓               | -         | Single retaining ring | -       | ✓     |
| <b>Chrome Plated Stages (All)</b>                                | ✓               | -         | -                     | -       | -     |

# Pin Mount Options

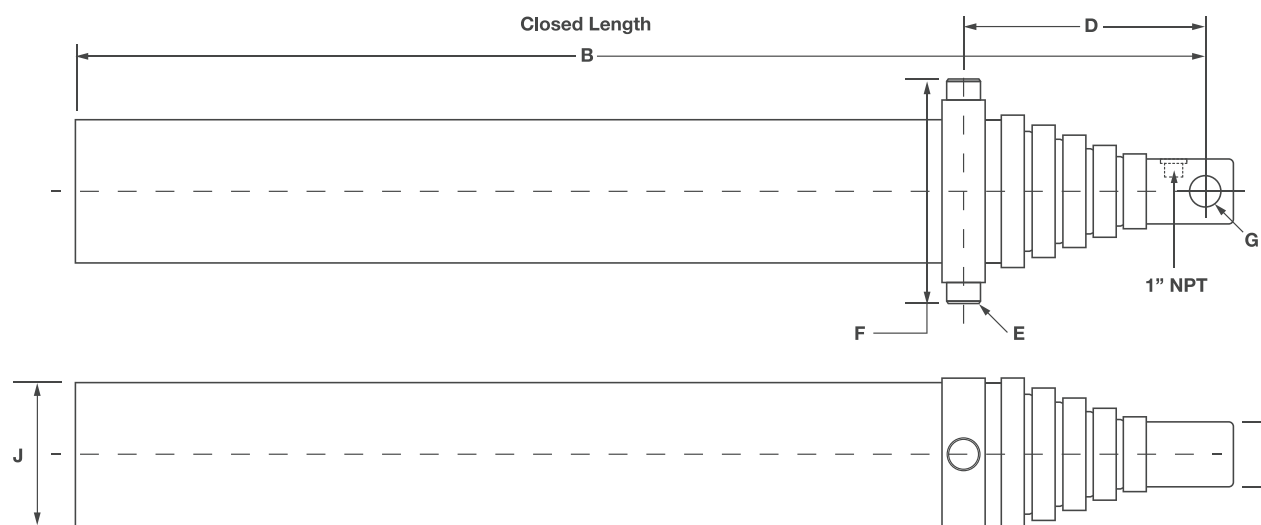


## DIMENSIONS

| Metaris # | Model Code        | A<br>Total Stroke Length | B<br>Closed Length | C<br>Extended Length | D<br>Width of Base Eye | E<br>Diam. of Base Pin Eye | F<br>Width of Top Pin Eye | G<br>Diam. of Top Pin Eye | Weight (lbs) |
|-----------|-------------------|--------------------------|--------------------|----------------------|------------------------|----------------------------|---------------------------|---------------------------|--------------|
| NW188395  | MH100-53-84P      | 84                       | 39 1/2             | 122 1/2              | 7                      | Fits a 2" Pin              | 2                         | Fits a 2" Pin             | 178          |
| NW175402  | MH100-53-126P     | 126                      | 54 1/2             | 180 1/2              | 7                      | Fits a 2" Pin              | 2                         | Fits a 1 3/4" Pin         | 215          |
| NW175397  | MH100-63-108P     | 108                      | 49 1/2             | 157 1/2              | 7 1/4                  | Fits a 2" Pin              | 2                         | Fits a 2" Pin             | 272          |
| NW175398  | MH100-63-120P     | 120                      | 53 1/2             | 174 1/2              | 7 1/4                  | Fits a 2" Pin              | 2                         | Fits a 2" Pin             | 265          |
| NW175399  | MH100-63-126P     | 126                      | 55 1/2             | 181 1/2              | 7 1/4                  | Fits a 2" Pin              | 2                         | Fits a 2" Pin             | 280          |
| NW175400  | MH100-63-132P     | 132                      | 57 1/2             | 189 1/2              | 7 1/4                  | Fits a 2" Pin              | 2                         | Fits a 2" Pin             | 310          |
| NW175401  | MH100-63-140P     | 140                      | 60                 | 200                  | 7 1/4                  | Fits a 2" Pin              | 2                         | Fits a 2" Pin             | 325          |
| NW194642  | MH100-73-120P     | 120                      | 53 1/8             | 173 1/8              | 8 5/8                  | Fits a 2" Pin              | 2                         | Fits a 2" Pin             | 383          |
| NW194643  | MH100-73-124P     | 124                      | 54 13/16           | 179 11/16            | 8 5/8                  | Fits a 2" Pin              | 2                         | Fits a 2" Pin             | 397          |
| NW188244  | MH100-64-135P-175 | 135                      | 48 1/4             | 183                  | 8                      | Fits a 1 3/4" Pin          | 2 3/4                     | Fits a 1 1/2" Pin         | 275          |
| NW188245  | MH100-64-156P-175 | 156                      | 53 1/4             | 209 1/4              | 7 1/8                  | Fits a 1 3/4" Pin          | 2 3/4                     | Fits a 1 1/2" Pin         | 301          |
| NW175396  | MH100-64-156P     | 156                      | 53 1/2             | 209 1/2              | 7 1/8                  | Fits a 2" Pin              | 2                         | Fits a 2" Pin             | 295          |
| NW204030  | MH100-64-168P     | 168                      | 56 1/2             | 224 1/2              | 7 1/8                  | Fits a 2" Pin              | 2                         | Fits a 2" Pin             | 315          |
| NW175394  | MH100-74-135P     | 135                      | 48 1/2             | 182 1/2              | 8 5/8                  | Fits a 2" Pin              | 2                         | Fits a 2" Pin             | 340          |
| NW175395  | MH100-74-156P     | 156                      | 53 1/2             | 209 1/2              | 8 5/8                  | Fits a 2" Pin              | 2                         | Fits a 2" Pin             | 370          |
| NW195410  | MH100-74-180P     | 180                      | 59 1/2             | 239 1/4              | 8 5/8                  | Fits a 2" Pin              | 2                         | Fits a 2" Pin             | 448          |
| NW175389  | MH100-85-190P     | 190                      | 54                 | 244                  | 9 1/2                  | Fits a 2" Pin              | 2                         | Fits a 2" Pin             | 520          |
| NW175390  | MH100-85-220P     | 220                      | 60                 | 280                  | 9 1/2                  | Fits a 2" Pin              | 2                         | Fits a 2" Pin             | 595          |
| NW175391  | MH100-85-235P     | 235                      | 65                 | 300                  | 9 1/2                  | Fits a 2" Pin              | 2                         | Fits a 2" Pin             | 632          |
| NW175392  | MH100-85-250P     | 250                      | 68                 | 318                  | 9 1/2                  | Fits a 2" Pin              | 2                         | Fits a 2" Pin             | 690          |
| NW175393  | MH100-85-265P     | 265                      | 71                 | 336                  | 9 1/2                  | Fits a 2" Pin              | 2                         | Fits a 2" Pin             | 710          |

Sizes/Measurements are in inches rounded to nearest fraction - All cylinders are Single Acting and have a MAX Working Pressure of 2000psi

# Trunnion Mount Options



## DIMENSIONS

| Metaris # | Model Code    | A                   | B             | C               | D                | E               | F           | G                    | H                    | J             | Weight (lbs) |
|-----------|---------------|---------------------|---------------|-----------------|------------------|-----------------|-------------|----------------------|----------------------|---------------|--------------|
|           |               | Total Stroke Length | Closed Length | Extended Length | Eye/Trun. Length | Trun. Lug Diam. | Trun. Width | Diam. of Top Pin Eye | Width of Top Pin Eye | Diam. of Base |              |
| NW188240  | MH100-63-140T | 140                 | 60 1/2        | 200 1/2         | 14 1/2           | 1 3/4           | 12 1/2      | Fits a 1 1/2" Pin    | 3.9                  | 7             | 330          |
| NW188241  | MH100-85-235T | 235                 | 65 1/2        | 300 1/2         | 15 1/2           | 2 1/4           | 14          | Fits a 2" Pin        | 3                    | 9 1/2         | 695          |
| NW188242  | MH100-85-250T | 250                 | 68 1/2        | 318 1/2         | 15 1/2           | 2 1/4           | 14          | Fits a 2" Pin        | 3                    | 9 1/2         | 728          |
| NW188243  | MH100-85-265T | 265                 | 71 1/2        | 336 1/2         | 15 1/2           | 2 1/4           | 14          | Fits a 2" Pin        | 3                    | 9 1/2         | 757          |

Sizes/Measurements are in inches rounded to nearest fraction - All cylinders are Single Acting and have a MAX Working Pressure of 2000psi

# Cross Reference List

Our MH series single acting telescopic cylinders are available in 3, 4 and 5 stage configurations and are fit, form and function interchangeable with other manufacturers such as: Hyco®, Parker® and Custom Hoist®.



| METARIS           | HYCO           | PARKER        | CUSTOM HOIST |
|-------------------|----------------|---------------|--------------|
| MH100-53-84P*     | 70057-53-84*   | S53DC-66-84*  | 53-4592-84   |
| MH100-53-126P     | 70850-53-126E  | S53DC-65-126  | 53-4531-130  |
| MH100-63-108P     | 70347-63-108DE | S63DC-97-111  | 63-4402-108  |
| MH100-63-120P     | 70347-63-120DE | S63DC-101-120 | 63-4402-120  |
| MH100-63-126P     | 70347-63-126DE | S63DC-101-126 | 63-4402-126  |
| MH100-63-132P     | 70347-63-132DE | -             | 63-4402-132  |
| MH100-63-140P     | 70347-63-140E  | S63DC-101-140 | 63-4402-140  |
| MH100-73-120P     | 70195-73-120DE | S73DC-74-120  | -            |
| MH100-73-124P     | 70195-73-124DE | S73DC-66-124  | -            |
| MH100-64-135P-175 | 70470-64-132   | S64DB-12-135  | 64-4435-135  |
| MH100-64-156P-175 | 70854-64-156   | S64DB-12-156  | 64-4435-156  |
| MH100-64-156P     | 70347-64-156DE | S64DC-14-156  | 64-4467-156  |
| MH100-64-168P     | 70894-64-168E  | -             | -            |
| MH100-74-135P     | 70387-74-135DE | S74DC-74-135  | 74-4401-135  |
| MH100-74-156P     | 70195-74-156DE | S74DC-74-156  | 74-4401-156  |
| MH100-74-180P     | 71010-74-180D  | S74DC-66-180  | 74-4401-180  |
| MH100-85-190P     | 70000-815-180D | S85DC-66-190  | 85-4402-190  |
| MH100-85-220P     | 70000-815-210D | S85DC-66-220  | 85-4402-220  |
| MH100-85-235P     | 70000-815-235D | S85DC-66-235  | 85-4402-235  |
| MH100-85-250P     | 70000-815-250D | S85DC-66-250  | 85-4402-250  |
| MH100-85-265P     | 70000-815-265D | S85DC-66-265  | 85-4402-265  |
| MH100-63-140T     | 70050-63-140T  | S63MC-8-140   | 63-4582-140  |
| MH100-85-235T     | 70060-815-235T | S85MC-48-235  | 85-4499-235  |
| MH100-85-250T     | 70060-815-250T | S85MC-48-250  | 85-4499-250  |
| MH100-85-265T     | 70060-815-265T | S85MC-48-265  | 85-4499-265  |



\* Requires modification to the mounting eye. Please contact us on this model before ordering.