

## ▼ HM10 Hydramax® Topside Tensioner



- Fifteen load cells from ¾" to 4" / M20 to M100
- Twin ports for quick connection of multiple tools
- High bolt-load capacity at maximum 21,750 psi (1500 bar)
- Long-stroke capability of 9/16 inch (15 mm) with over stroke elimination
- HM01 to HM05: mechanical over-stroke prevention, no spring return; HM06 to HM15: relief valve for over-stroke prevention, spring return
- Quick release bridge
- Stroke indicator
- Captive socket – eliminates falling object risk
- Interchangeable adapter kits available
- Anti-slip grip for more secure handling
- HM-Series HydraMax® Tensioners comply to following: Machine Directive 2006/42/EC, ASME B30.1, EN-ISO 4413:2010, EN-ISO 12100:2010



◀ Enerpac HM-Series HydraMax® tensioners have been designed to generate high-bolt loads associated with compact flanges, while providing versatility for maximum bolt coverage.

## High Bolt Load Capacities, Superior Performance



### HydraMax® Topside Tensioners

The HM-Series tensioners have been designed to fit all standard flanges, including ANSI, API and compact flanges based on Norsok L005 and generates 30% more load capacity than traditional tensioners.



### Tensioning Pumps, Hoses and Couplers

High-pressure pumps, hoses and fittings matched for use with the Enerpac Bolt Tensioners. See [enerpac.com](http://enerpac.com)

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### Ultra-High Pressure

This tool operates at ultra high-pressure, use only the specified fittings and hoses designed for these pressures.



### How to Order HydraMax® Tensioners

To provide maximum flexibility, Load Cells are ordered separately from Adaptor and Bridge Kits. Example, to order a complete tensioner for a M24 x 3 threaded bolt order:

1 x Load Cell: **HM03-LC**

1 x Adaptor and Bridge Kit:  
**HM03BPM-NRS02430**



### Bolting Integrity Software

The software offers Tool selection, Bolt Load calculations and Tool pressure settings, as well as, a combined Application Data Sheet, and Joint Combination report. Custom Joint information can also be entered.

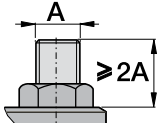
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# HydraMax® Topside Tensioners

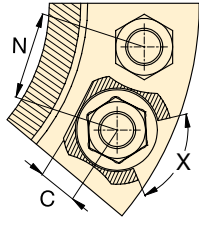


## Thread and Pitch Sizes

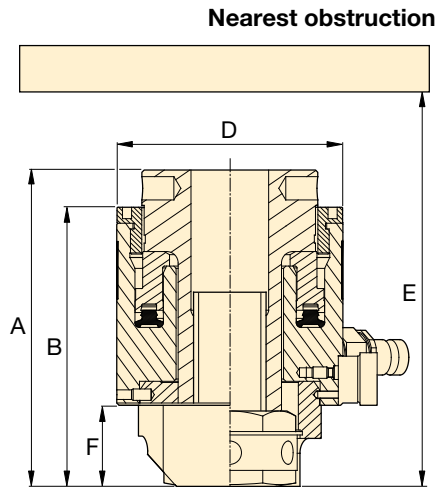
Contact Enerpac for different thread or pitch sizes. Alternative size adaptor kits can be supplied upon request.



Minimum Stud Protrusion



X = Minimum socket rotation 60°



## HM Series



Bolt Range:

**3/4" - 1 1/2" | M20 - M39**

Maximum Load Capacity:

**15.1 - 70.2 tons**

Stroke:

**0.39 - 0.59 inch \***

Maximum Operating Pressure:

**21,750 psi**

\* Stroke HM01 models 0.39 inch

Strokes all other HM-models 0.59 inch

| Load Cell Model Number* | Thread Size  | Adaptor and Bridge Kit Model Number | Cylinder Effective Area | Maximum Load Capacity | Dimensions (in) |     |     |     |        |     |        | Load Cell Weight | Adaptor and Bridge Kit Weight |
|-------------------------|--------------|-------------------------------------|-------------------------|-----------------------|-----------------|-----|-----|-----|--------|-----|--------|------------------|-------------------------------|
|                         |              |                                     |                         |                       | A               | B   | C   | D   | E min. | F   | N min. |                  |                               |
| HM01-LC                 | M20 x 2,5    | HM01BPM-NRS02025                    | 1.39                    | 15.1                  | 4.4             | 3.8 | 0.6 | 2.7 | 7.8    | 1.1 | 2.0    | 3.5              | 1.3                           |
|                         | ¾" - 10UN    | HM01BP-NRS0750U10                   | 1.39                    | 15.1                  | 4.4             | 3.8 | 0.6 | 2.7 | 7.8    | 1.1 | 2.0    | 3.5              | 1.3                           |
| HM02-LC                 | M20 x 2,5    | HM02BPM-NRS02025                    | 1.92                    | 20.9                  | 4.7             | 4.1 | 0.6 | 2.9 | 8.2    | 1.1 | 2.1    | 4.0              | 2.0                           |
|                         | M22 x 2,5    | HM02BPM-NRS02225                    | 1.92                    | 20.9                  | 4.7             | 4.1 | 0.6 | 2.9 | 8.2    | 1.1 | 2.1    | 4.0              | 2.0                           |
|                         | ¾" - 10UN    | HM02BP-NRS0750U10                   | 1.92                    | 20.9                  | 4.7             | 4.1 | 0.6 | 2.9 | 8.2    | 1.1 | 2.0    | 4.0              | 2.0                           |
|                         | 7⁄8"-9UN     | HM02BP-NRS0875U09                   | 1.92                    | 20.9                  | 4.7             | 4.1 | 0.7 | 2.9 | 8.2    | 1.1 | 2.2    | 4.0              | 1.8                           |
| HM03-LC                 | M20 x 2,5    | HM03BPM-NRS02025                    | 2.52                    | 27.4                  | 4.7             | 4.1 | 0.6 | 3.2 | 8.3    | 1.1 | 2.2    | 4.9              | 2.4                           |
|                         | M22 x 2,5    | HM03BPM-NRS02225                    | 2.52                    | 27.4                  | 4.7             | 4.1 | 0.6 | 3.2 | 8.3    | 1.1 | 2.3    | 4.9              | 2.4                           |
|                         | M24 x 3      | HM03BPM-NRS02430                    | 2.52                    | 27.4                  | 4.7             | 4.1 | 0.8 | 3.2 | 8.3    | 1.1 | 2.3    | 4.9              | 2.4                           |
|                         | ¾" - 10UN    | HM03BP-NRS0750U10                   | 2.52                    | 27.4                  | 4.7             | 4.1 | 0.6 | 3.2 | 8.3    | 1.1 | 2.2    | 4.9              | 2.4                           |
|                         | 7⁄8" - 9UN   | HM03BP-NRS0875U09                   | 2.52                    | 27.4                  | 4.7             | 4.1 | 0.7 | 3.2 | 8.3    | 1.1 | 2.3    | 4.9              | 2.4                           |
|                         | 1" - 8UN     | HM03BP-NRS1000U08                   | 2.52                    | 27.4                  | 4.9             | 4.3 | 0.8 | 3.2 | 8.5    | 1.3 | 2.4    | 4.9              | 2.4                           |
| HM04-LC                 | M22 x 2,5    | HM04BPM-NRS02225                    | 3.35                    | 36.4                  | 5.0             | 4.4 | 0.7 | 3.5 | 9.1    | 1.1 | 2.4    | 6.0              | 3.5                           |
|                         | M24 x 3      | HM04BPM-NRS02430                    | 3.35                    | 36.4                  | 5.1             | 4.4 | 0.8 | 3.5 | 9.1    | 1.1 | 2.5    | 6.0              | 3.5                           |
|                         | M27 x 3      | HM04BPM-NRS02730                    | 3.35                    | 36.4                  | 5.3             | 4.6 | 0.8 | 3.5 | 9.3    | 1.3 | 2.5    | 6.0              | 3.7                           |
|                         | M30 x 3,5    | HM04BPM-NRS03035                    | 3.35                    | 36.4                  | 5.4             | 4.7 | 0.9 | 3.5 | 9.4    | 1.4 | 2.6    | 6.0              | 3.7                           |
|                         | 7⁄8"- 9UN    | HM04BP-NRS0875U09                   | 3.35                    | 36.4                  | 5.1             | 4.4 | 0.7 | 3.5 | 9.1    | 1.1 | 2.4    | 6.0              | 3.5                           |
|                         | 1" - 8UN     | HM04BP-NRS1000U08                   | 3.35                    | 36.4                  | 5.3             | 4.6 | 0.8 | 3.5 | 9.3    | 1.3 | 2.5    | 6.0              | 3.7                           |
|                         | 1 1⁄8" - 8UN | HM04BP-NRS1125U08                   | 3.35                    | 36.4                  | 5.4             | 4.7 | 0.9 | 3.5 | 9.4    | 1.4 | 2.6    | 6.0              | 3.7                           |
| HM05-LC                 | M24 x 3      | HM05BPM-NRS02430                    | 4.27                    | 46.4                  | 5.1             | 4.5 | 0.7 | 3.9 | 9.2    | 1.1 | 2.7    | 7.3              | 4.2                           |
|                         | M27 x 3      | HM05BPM-NRS02730                    | 4.27                    | 46.4                  | 5.3             | 4.7 | 0.8 | 3.9 | 9.4    | 1.3 | 2.7    | 7.3              | 4.4                           |
|                         | M30 x 3,5    | HM05BPM-NRS03035                    | 4.27                    | 46.4                  | 5.5             | 4.8 | 0.9 | 3.9 | 9.5    | 1.4 | 2.8    | 7.3              | 4.4                           |
|                         | M33 x 3,5    | HM05BPM-NRS03335                    | 4.27                    | 46.4                  | 5.6             | 4.9 | 1.1 | 3.9 | 9.6    | 1.5 | 2.8    | 7.3              | 4.6                           |
|                         | 1"-8UN       | HM05BP-NRS1000U08                   | 4.27                    | 46.4                  | 5.3             | 4.7 | 0.8 | 3.9 | 9.4    | 1.3 | 2.7    | 7.3              | 4.6                           |
|                         | 1 1⁄8"-8UN   | HM05BP-NRS1125U08                   | 4.27                    | 46.4                  | 5.5             | 4.8 | 0.9 | 3.9 | 9.5    | 1.4 | 2.7    | 7.3              | 4.6                           |
|                         | 1 1⁄4"-8UN   | HM05BP-NRS1250U08                   | 4.27                    | 46.4                  | 5.6             | 4.9 | 1.1 | 3.9 | 9.6    | 1.5 | 2.8    | 7.3              | 4.6                           |
| HM06-LC                 | M30 x 3,5    | HM06BPM-NRS03035                    | 6.45                    | 70.2                  | 5.6             | 5.0 | 0.9 | 4.6 | 9.7    | 1.4 | 3.1    | 9.9              | 6.2                           |
|                         | M33 x 3,5    | HM06BPM-NRS03335                    | 6.45                    | 70.2                  | 5.7             | 5.1 | 1.1 | 4.6 | 9.8    | 1.5 | 3.2    | 9.9              | 6.4                           |
|                         | M36 x 4      | HM06BPM-NRS03640                    | 6.45                    | 70.2                  | 5.9             | 5.2 | 1.3 | 4.6 | 9.9    | 1.6 | 3.3    | 9.9              | 6.6                           |
|                         | M39 x 4      | HM06BPM-NRS03940                    | 6.45                    | 70.2                  | 6.0             | 5.3 | 1.3 | 4.6 | 10.0   | 1.8 | 3.3    | 9.9              | 6.8                           |
|                         | 1 1⁄8" - 8UN | HM06BP-NRS1125U08                   | 6.45                    | 70.2                  | 5.6             | 5.0 | 0.9 | 4.6 | 9.7    | 1.4 | 3.1    | 9.9              | 6.2                           |
|                         | 1 1⁄4" - 8UN | HM06BP-NRS1250U08                   | 6.45                    | 70.2                  | 5.7             | 5.1 | 1.1 | 4.6 | 9.8    | 1.5 | 3.2    | 9.9              | 6.4                           |
|                         | 1 3⁄8" - 8UN | HM06BP-NRS1375U08                   | 6.45                    | 70.2                  | 5.9             | 5.2 | 1.3 | 4.6 | 9.9    | 1.6 | 3.2    | 9.9              | 6.6                           |
|                         | 1 1⁄2" - 8UN | HM06BP-NRS1500U08                   | 6.45                    | 70.2                  | 6.0             | 5.3 | 1.3 | 4.6 | 10.0   | 1.8 | 3.3    | 9.9              | 6.8                           |

\* Tommy bar is included with Load Cell

# HM-Series, HydraMax® Topside Tensioners **ENERPAC**



## Thread and Pitch Sizes

Contact Enerpac for different thread or pitch sizes. Alternative size adaptor kits can be supplied upon request.

## HM Series



Bolt Range:

**1 1/4" - 2" | M33 - M52**

Maximum Load Capacity:

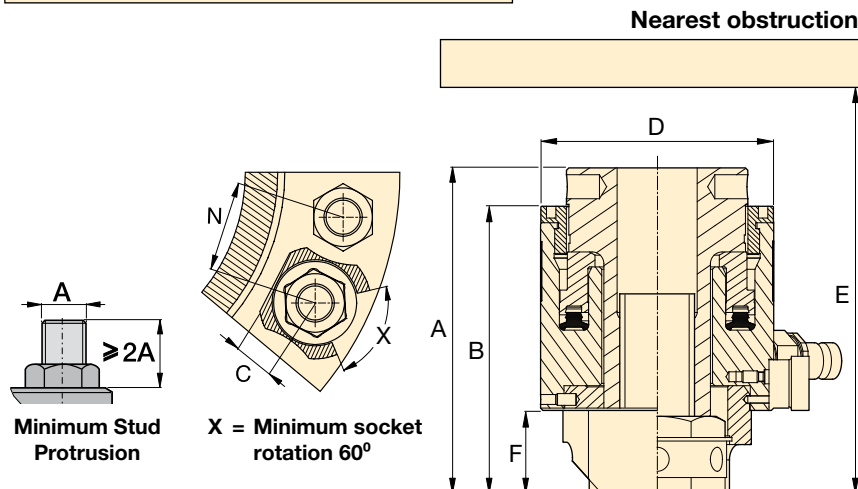
**83.9 - 131.9 tons**

Stroke:

**0.59 inch**

Maximum Operating Pressure:

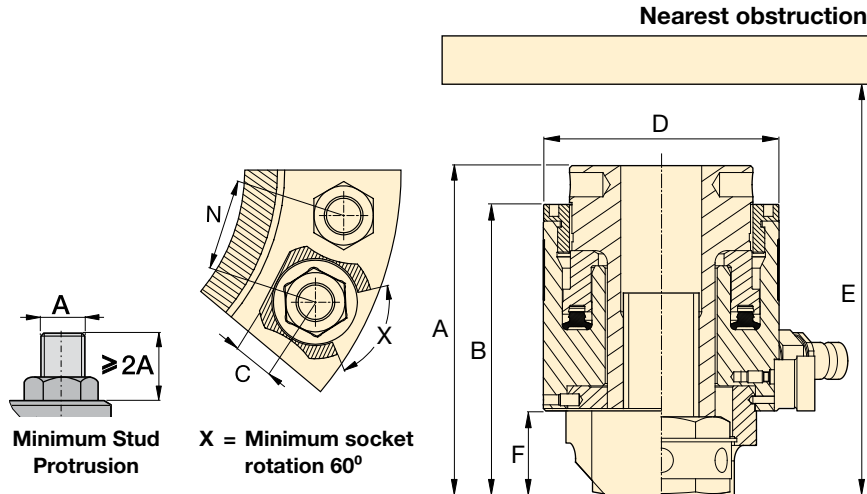
**21,750 psi**



| Load Cell Model Number * | Thread Size  | Adaptor and Bridge Kit Model Number | Cylinder Effective Area (in²) | Maximum Load Capacity (tons) | Dimensions (in) |     |     |     |        |     |        | Load Cell Weight (lbs) | Adaptor and Bridge Kit Weight (lbs) |
|--------------------------|--------------|-------------------------------------|-------------------------------|------------------------------|-----------------|-----|-----|-----|--------|-----|--------|------------------------|-------------------------------------|
|                          |              |                                     |                               |                              | A               | B   | C   | D   | E min. | F   | N min. |                        |                                     |
| HM07-LC                  | M33 x 3,5    | HM07BPM-NRS03335                    | 7.72                          | 83.9                         | 5.7             | 5.0 | 1.1 | 5.0 | 9.7    | 1.5 | 3.4    | 11.5                   | 7.5                                 |
|                          | M36 x 4      | HM07BPM-NRS03640                    | 7.72                          | 83.9                         | 5.8             | 5.2 | 1.3 | 5.0 | 9.8    | 1.6 | 3.4    | 11.5                   | 7.7                                 |
|                          | M39 x 4      | HM07BPM-NRS03940                    | 7.72                          | 83.9                         | 5.9             | 5.3 | 1.3 | 5.0 | 9.9    | 1.8 | 3.5    | 11.5                   | 7.9                                 |
|                          | M42 x 4,5    | HM07BPM-NRS04245                    | 7.72                          | 83.9                         | 6.1             | 5.4 | 1.3 | 5.0 | 10.0   | 1.9 | 3.6    | 11.5                   | 8.2                                 |
|                          | 1 1/4" - 8UN | HM07BP-NRS1250U08                   | 7.72                          | 83.9                         | 5.7             | 5.0 | 1.1 | 5.0 | 9.7    | 1.5 | 3.4    | 11.5                   | 7.5                                 |
|                          | 1 3/8" - 8UN | HM07BP-NRS1375U08                   | 7.72                          | 83.9                         | 5.8             | 5.2 | 1.3 | 5.0 | 9.8    | 1.6 | 3.4    | 11.5                   | 7.7                                 |
|                          | 1 1/2" - 8UN | HM07BP-NRS1500U08                   | 7.72                          | 83.9                         | 5.9             | 5.3 | 1.3 | 5.0 | 9.9    | 1.8 | 3.5    | 11.5                   | 7.9                                 |
|                          | 1 5/8" - 8UN | HM07BP-NRS1625U08                   | 7.72                          | 83.9                         | 6.1             | 5.4 | 1.3 | 5.0 | 10.0   | 1.9 | 3.5    | 11.5                   | 8.2                                 |
| HM08-LC                  | M36 x 4      | HM08BPM-NRS03640                    | 9.10                          | 98.9                         | 5.9             | 5.2 | 1.3 | 5.4 | 9.9    | 1.6 | 3.6    | 13.9                   | 8.6                                 |
|                          | M39 x 4      | HM08BPM-NRS03940                    | 9.10                          | 98.9                         | 6.0             | 5.3 | 1.3 | 5.4 | 10.0   | 1.8 | 3.7    | 13.9                   | 8.8                                 |
|                          | M42 x 4,5    | HM08BPM-NRS04245                    | 9.10                          | 98.9                         | 6.1             | 5.5 | 1.3 | 5.4 | 10.1   | 1.9 | 3.8    | 13.9                   | 9.0                                 |
|                          | M45 x 4,5    | HM08BPM-NRS04545                    | 9.10                          | 98.9                         | 6.2             | 5.6 | 1.5 | 5.4 | 10.3   | 2.0 | 3.8    | 13.9                   | 9.7                                 |
|                          | 1 3/8" - 8UN | HM08BP-NRS1375U08                   | 9.10                          | 98.9                         | 5.9             | 5.2 | 1.3 | 5.4 | 9.9    | 1.6 | 3.6    | 13.9                   | 8.6                                 |
|                          | 1 1/2" - 8UN | HM08BP-NRS1500U08                   | 9.10                          | 98.9                         | 6.0             | 5.3 | 1.3 | 5.4 | 10.0   | 1.8 | 3.7    | 13.9                   | 8.8                                 |
|                          | 1 5/8" - 8UN | HM08BP-NRS1625U08                   | 9.10                          | 98.9                         | 6.1             | 5.5 | 1.3 | 5.4 | 10.1   | 1.9 | 3.7    | 13.9                   | 9.0                                 |
|                          | 1 3/4" - 8UN | HM08BP-NRS1750U08                   | 9.10                          | 98.9                         | 6.2             | 5.6 | 1.5 | 5.4 | 10.3   | 2.0 | 3.8    | 13.9                   | 9.7                                 |
| HM09-LC                  | M39 x 4      | HM09BPM-NRS03940                    | 10.59                         | 115.2                        | 6.0             | 5.4 | 1.3 | 5.7 | 10.0   | 1.8 | 3.9    | 14.3                   | 11.0                                |
|                          | M42 x 4,5    | HM09BPM-NRS04245                    | 10.59                         | 115.2                        | 6.1             | 5.5 | 1.3 | 5.7 | 10.1   | 1.9 | 3.9    | 14.3                   | 11.2                                |
|                          | M45 x 4,5    | HM09BPM-NRS04545                    | 10.59                         | 115.2                        | 6.2             | 5.6 | 1.5 | 5.7 | 10.3   | 2.0 | 4.0    | 14.3                   | 11.2                                |
|                          | M48 x 5      | HM09BPM-NRS04850                    | 10.59                         | 115.2                        | 6.4             | 5.7 | 1.6 | 5.7 | 10.4   | 2.1 | 4.0    | 14.3                   | 12.1                                |
|                          | 1 1/2" - 8UN | HM09BP-NRS1500U08                   | 10.59                         | 115.2                        | 6.0             | 5.4 | 1.3 | 5.7 | 10.0   | 1.8 | 3.8    | 14.3                   | 11.2                                |
|                          | 1 3/8" - 8UN | HM09BP-NRS1625U08                   | 10.59                         | 115.2                        | 6.1             | 5.5 | 1.3 | 5.7 | 10.2   | 1.9 | 3.9    | 14.3                   | 11.2                                |
|                          | 1 1/4" - 8UN | HM09BP-NRS1750U08                   | 10.59                         | 115.2                        | 6.2             | 5.5 | 1.5 | 5.7 | 10.1   | 2.0 | 4.0    | 14.3                   | 13.2                                |
|                          | 1 7/8" - 8UN | HM09BP-NRS1875U08                   | 10.59                         | 115.2                        | 6.4             | 5.7 | 1.6 | 5.7 | 10.4   | 2.1 | 4.0    | 14.3                   | 11.9                                |
| HM10-LC                  | M42 x 4,5    | HM10BPM-NRS04245                    | 12.20                         | 132.6                        | 6.3             | 5.6 | 1.3 | 6.1 | 10.5   | 1.9 | 4.1    | 18.3                   | 12.6                                |
|                          | M45 x 4,5    | HM10BPM-NRS04545                    | 12.20                         | 131.9                        | 6.4             | 5.7 | 1.5 | 6.1 | 10.6   | 2.0 | 4.2    | 18.3                   | 12.6                                |
|                          | M48 x 5      | HM10BPM-NRS04850                    | 12.20                         | 131.9                        | 6.5             | 5.8 | 1.6 | 6.1 | 10.7   | 2.1 | 4.3    | 18.3                   | 13.4                                |
|                          | M52 x 5      | HM10BPM-NRS05250                    | 12.20                         | 131.9                        | 6.7             | 6.0 | 1.7 | 6.1 | 10.8   | 2.3 | 4.3    | 18.3                   | 13.9                                |
|                          | 1 3/8" - 8UN | HM10BP-NRS1625U08                   | 12.20                         | 131.9                        | 6.3             | 5.6 | 1.3 | 6.1 | 10.5   | 1.9 | 4.1    | 18.3                   | 12.6                                |
|                          | 1 1/4" - 8UN | HM10BP-NRS1750U08                   | 12.20                         | 131.9                        | 6.4             | 5.7 | 1.5 | 6.1 | 10.6   | 2.0 | 4.2    | 18.3                   | 12.3                                |
|                          | 1 7/8" - 8UN | HM10BP-NRS1875U08                   | 12.20                         | 131.9                        | 6.5             | 5.9 | 1.6 | 6.1 | 10.7   | 2.1 | 4.2    | 18.3                   | 13.2                                |
|                          | 2" - 8UN     | HM10BP-NRS2000U08                   | 12.20                         | 131.9                        | 6.7             | 6.0 | 1.7 | 6.1 | 10.8   | 2.3 | 4.3    | 18.3                   | 13.9                                |

\* Tommy bar is included with Load Cell

# HM-Series, HydraMax® Torsion Tensioners



## HM Series



Bolt Range:

**1 3/4" - 4" | M45 - M100**

Maximum Load Capacity:

**171 - 522 tons**

Stroke:

**0.59 inch**

| Load Cell Model Number * | Thread Size ** | Adaptor and Bridge Kit Model Number | Cylinder Effective Area<br>(in <sup>2</sup> ) | Maximum Load Capacity<br>(tons) | Dimensions (in) |     |     |      |        |     |        | Load Cell Weight<br>(lbs) | Adaptor and Bridge Kit Weight<br>(lbs) |
|--------------------------|----------------|-------------------------------------|-----------------------------------------------|---------------------------------|-----------------|-----|-----|------|--------|-----|--------|---------------------------|----------------------------------------|
|                          |                |                                     |                                               |                                 | A               | B   | C   | D    | E min. | F   | N min. |                           |                                        |
| HM11-LC                  | M45 x 4,5      | HM11BPM-NRS04545                    | 15.74                                         | 171.1                           | 6.6             | 5.7 | 1.5 | 6.9  | 10.8   | 2.0 | 4.6    | 23.1                      | 16.3                                   |
|                          | M48 x 5        | HM11BPM-NRS04850                    | 15.74                                         | 171.1                           | 6.7             | 5.8 | 1.6 | 6.9  | 10.9   | 2.1 | 4.6    | 23.1                      | 17.4                                   |
|                          | M52 x 5        | HM11BPM-NRS05250                    | 15.74                                         | 171.1                           | 6.8             | 6.0 | 1.7 | 6.9  | 11.0   | 2.3 | 4.7    | 23.1                      | 17.9                                   |
|                          | M56 x 5,5      | HM11BPM-NRS05655                    | 15.74                                         | 171.1                           | 7.2             | 6.3 | 2.0 | 6.9  | 11.4   | 2.6 | 4.8    | 23.1                      | 20.1                                   |
|                          | M60 x 5,5      | HM11BPM-NRS06055                    | 15.74                                         | 171.1                           | 7.2             | 6.3 | 2.0 | 6.9  | 11.4   | 2.6 | 4.9    | 23.1                      | 19.2                                   |
|                          | 1 3/4" - 8UN   | HM11BP-NRS1750U08                   | 15.74                                         | 171.1                           | 6.6             | 5.7 | 1.5 | 6.9  | 10.8   | 2.0 | 4.6    | 23.1                      | 16.5                                   |
|                          | 1 7/8" - 8UN   | HM11BP-NRS1875U08                   | 15.74                                         | 171.1                           | 6.7             | 5.8 | 1.6 | 6.9  | 10.9   | 2.1 | 4.6    | 23.1                      | 17.4                                   |
|                          | 2" - 8UN       | HM11BP-NRS2000U08                   | 15.74                                         | 171.1                           | 6.8             | 6.0 | 1.7 | 6.9  | 11.0   | 2.3 | 4.7    | 23.1                      | 17.9                                   |
| HM12-LC                  | 2 1/4" - 8UN   | HM11BP-NRS2250U08                   | 15.74                                         | 171.1                           | 7.2             | 6.3 | 2.0 | 6.9  | 11.4   | 2.6 | 4.8    | 23.1                      | 19.4                                   |
|                          | M48 x 5        | HM12BPM-NRS04850                    | 19.72                                         | 214.4                           | 6.7             | 5.8 | 1.6 | 7.6  | 11.0   | 2.1 | 5.0    | 29.3                      | 21.4                                   |
|                          | M52 x 5        | HM12BPM-NRS05250                    | 19.72                                         | 214.4                           | 6.8             | 6.0 | 1.7 | 7.6  | 11.2   | 2.3 | 5.1    | 29.3                      | 21.6                                   |
|                          | M56 x 5,5      | HM12BPM-NRS05655                    | 19.72                                         | 214.4                           | 7.2             | 6.3 | 2.0 | 7.6  | 11.5   | 2.6 | 5.2    | 29.3                      | 23.6                                   |
|                          | M60 x 5,5      | HM12BPM-NRS06055                    | 19.72                                         | 214.4                           | 7.2             | 6.3 | 2.0 | 7.6  | 11.5   | 2.7 | 5.2    | 29.3                      | 22.9                                   |
|                          | M64 x 6        | HM12BPM-NRS06460                    | 19.72                                         | 214.4                           | 7.3             | 6.5 | 2.2 | 7.6  | 11.7   | 2.7 | 5.3    | 29.3                      | 24.5                                   |
|                          | 1 7/8" - 8UN   | HM12BP-NRS1875U08                   | 19.72                                         | 214.4                           | 6.7             | 5.8 | 1.6 | 7.6  | 11.0   | 2.1 | 5.0    | 29.3                      | 21.2                                   |
|                          | 2" - 8UN       | HM12BP-NRS2000U08                   | 19.72                                         | 214.4                           | 6.8             | 6.0 | 1.7 | 7.6  | 11.2   | 2.3 | 5.1    | 29.3                      | 21.6                                   |
| HM13-LC                  | 2 1/4" - 8UN   | HM12BP-NRS2250U08                   | 19.72                                         | 214.4                           | 7.2             | 6.3 | 2.0 | 7.6  | 11.5   | 2.6 | 5.2    | 29.3                      | 22.9                                   |
|                          | 2 1/2" - 8UN   | HM12BP-NRS2500U08                   | 19.72                                         | 214.4                           | 7.3             | 6.5 | 2.2 | 7.6  | 11.7   | 2.7 | 5.3    | 29.3                      | 23.8                                   |
|                          | M64 x 6        | HM13BPM-NRS06460                    | 26.29                                         | 285.9                           | 7.7             | 6.8 | 2.2 | 8.6  | 12.2   | 2.7 | 5.8    | 38.8                      | 32.0                                   |
|                          | M68 x 6        | HM13BPM-NRS06860                    | 26.29                                         | 285.9                           | 7.7             | 6.8 | 2.2 | 8.6  | 12.2   | 2.7 | 5.9    | 38.8                      | 36.4                                   |
|                          | M72 x 6        | HM13BPM-NRS07260                    | 26.29                                         | 285.9                           | 8.0             | 7.1 | 2.5 | 8.6  | 12.5   | 3.1 | 6.0    | 38.8                      | 35.3                                   |
|                          | M76 x 6        | HM13BPM-NRS07660                    | 26.29                                         | 285.9                           | 8.1             | 7.3 | 2.7 | 8.6  | 12.7   | 3.2 | 6.0    | 38.8                      | 35.9                                   |
| HM14-LC                  | 2 1/2" - 8UN   | HM13BP-NRS2500U08                   | 26.29                                         | 285.9                           | 7.7             | 6.8 | 2.2 | 8.6  | 12.2   | 2.7 | 5.8    | 38.8                      | 31.3                                   |
|                          | 2 3/4" - 8UN   | HM13BP-NRS2750U08                   | 26.29                                         | 285.9                           | 8.0             | 7.1 | 2.5 | 8.6  | 12.5   | 3.1 | 5.9    | 38.8                      | 34.8                                   |
|                          | 3" - 8UN       | HM13BP-NRS3000U08                   | 26.29                                         | 285.9                           | 8.1             | 7.3 | 2.7 | 8.6  | 12.7   | 3.2 | 6.3    | 38.8                      | 34.8                                   |
|                          | M72 x 6        | HM14BPM-NRS07260                    | 36.35                                         | 395.3                           | 8.0             | 7.1 | 2.5 | 10.2 | 12.6   | 3.1 | 6.8    | 56.9                      | 45.9                                   |
|                          | M76 x 6        | HM14BPM-NRS07660                    | 36.35                                         | 395.3                           | 8.1             | 7.3 | 2.7 | 10.2 | 12.7   | 3.2 | 6.8    | 56.9                      | 47.0                                   |
|                          | M80 x 6        | HM14BPM-NRS08060                    | 36.35                                         | 395.3                           | 8.1             | 7.3 | 2.7 | 10.2 | 12.7   | 3.2 | 6.9    | 56.9                      | 46.7                                   |
|                          | M85 x 6        | HM14BPM-NRS08560                    | 36.35                                         | 395.3                           | 8.5             | 6.5 | 2.7 | 10.2 | 11.9   | 3.6 | 7.0    | 56.9                      | 50.5                                   |
|                          | M90 x 6        | HM14BPM-NRS09060                    | 36.35                                         | 395.3                           | 8.7             | 7.8 | 3.1 | 10.2 | 13.3   | 3.8 | 7.1    | 56.9                      | 51.4                                   |
| HM15-LC                  | 3" - 8UN       | HM14BP-NRS3000U08                   | 36.35                                         | 395.3                           | 8.1             | 7.3 | 2.7 | 10.2 | 12.7   | 3.2 | 6.8    | 56.9                      | 45.0                                   |
|                          | 3 1/4" - 8UN   | HM14BP-NRS3250U08                   | 36.35                                         | 395.3                           | 8.5             | 6.5 | 2.7 | 10.2 | 11.9   | 3.6 | 7.0    | 56.9                      | 50.0                                   |
|                          | 3 1/2" - 8UN   | HM14BP-NRS3500U08                   | 36.35                                         | 395.3                           | 8.7             | 7.8 | 3.1 | 10.2 | 13.3   | 3.8 | 7.2    | 56.9                      | 52.7                                   |
|                          | M90 x 6        | HM15BPM-NRS09060                    | 48.06                                         | 522.7                           | 8.7             | 7.8 | 3.1 | 11.7 | 13.3   | 3.8 | 7.8    | 71.6                      | 66.1                                   |
|                          | M95 x 6        | HM15BPM-NRS09560                    | 48.06                                         | 522.7                           | 8.9             | 8.1 | 3.2 | 11.7 | 13.5   | 4.0 | 7.9    | 71.6                      | 74.3                                   |
|                          | M100 x 6       | HM15BPM-NRS10060                    | 48.06                                         | 522.7                           | 9.1             | 8.3 | 3.5 | 11.7 | 13.7   | 4.2 | 8.0    | 71.6                      | 77.4                                   |
|                          | 3 1/2" - 8UN   | HM15BP-NRS3500U08                   | 48.06                                         | 522.7                           | 8.7             | 7.8 | 3.1 | 11.7 | 13.3   | 3.8 | 7.8    | 71.6                      | 65.0                                   |
|                          | 3 3/4" - 8UN   | HM15BP-NRS3750U08                   | 48.06                                         | 522.7                           | 8.9             | 8.1 | 3.2 | 11.7 | 13.5   | 4.0 | 7.9    | 71.6                      | 72.3                                   |
|                          | 4" - 8UN       | HM15BP-NRS4000U08                   | 48.06                                         | 522.7                           | 9.1             | 8.3 | 3.5 | 11.7 | 13.7   | 4.2 | 8.3    | 71.6                      | 75.0                                   |

\* Tommy bar is included with Load Cell

\*\*Contact Enerpac for different thread or pitch sizes. Alternative size adaptor kits can be supplied upon request.