## TWH-NRH - IMPERIAL SIZE RATCHET HEADS

OOLS



Choice of standard imperial sizes

Easily fitted to TWH-N drive units

Strong steel construction

The TWH-NRH range of imperial hexagon ratchet heads, suitable for use with TWH-N series low profile hydraulic torque wrenches (see pages 79-80), provide exceptional flexibility with across flats (AF) sizes from 1  $\frac{1}{16}$ " to 67/8" available as standard. All models feature extremely low profile design combined with a minimum nose radius (R) that enables fitment in very confined limited access places. For even greater versatility a comprehensive range of imperial hexagon reducer bushes (see page 84) and square drive conversion kits (see page 83) to suit TWH-NRH imperial ratchet heads are also available. Non standard and special design ratchet heads can be made to order.



| IMPERIAL RATCHET HEAD SELECTION TABLE: |  |                   |         |          |                 |         |     |                  |         |     |                  |         |          |                    |         |          |
|--|--|-------------------|---------|----------|-----------------|---------|-----|------------------|---------|-----|------------------|---------|----------|--------------------|---------|----------|
|  | Nut                                      | For <b>TWH27N</b> |         |          | For TWH54N      |         |     | For TWH120N      |         |     | For TWH210N      |         |          | For <b>TWH430N</b> |         |          |
| Bolt<br>size                           |  | Model<br>number   | R<br>mm | Wt<br>kg | Model<br>number | R<br>mm |     | Model<br>number  | R<br>mm |     | Model<br>number  | R<br>mm | Wt<br>kg | Model<br>number    | R<br>mm | Wt<br>kg |
| <sup>5</sup> /8"                       | 1 <sup>1</sup> / <sub>16</sub> "         | TWH27NRH1.1/16    | 10.4    | 1.5      |                 |         |     |                  |         |     |                  |         |          |                    |         |          |
| <sup>3</sup> ⁄4"                       | 1 ¼"                                     | TWH27NRH1.1/4     | 9.7     | 1.6      |                 |         |     |                  |         |     |                  |         |          |                    |         |          |
| <sup>7</sup> /8"                       | <b>1</b> <sup>7</sup> / <sub>16</sub> "  | TWH27NRH1.7/16    | 9.8     | 1.6      | TWH54NRH1.7/16  | 13.5    | 2.9 |                  |         |     |                  |         |          |                    |         |          |
| 1"                                     | . /0                                     | TWH27NRH1.5/8     | 10.0    | 1.6      | TWH54NRH1.5/8   | 10.8    | 2.8 |                  |         |     |                  |         |          |                    |         |          |
| 1 <sup>1</sup> ⁄ <sub>8</sub> "        | <b>1</b> <sup>13</sup> ⁄ <sub>16</sub> " | TWH27NRH1.13/16   | 10.5    | 1.7      | TWH54NRH1.13/16 | 10.7    | 2.9 |                  |         |     |                  |         |          |                    |         |          |
| 1 ¼"                                   | _  | TWH27NRH2         | 10.5    | 1.7      | TWH54NRH2       | 11.7    | 3.0 |                  |         |     |                  |         |          |                    |         |          |
|  | 2 <sup>3</sup> ⁄16"                      | TWH27NRH2.3/16    | 10.3    | 1.8      | TWH54NRH2.3/16  | 11.8    | 3.1 | TWH120NRH2.3/16  | 14.7    | 6.1 |                  |         |          |                    |         |          |
| 1½"                                    | 2 <sup>3</sup> ⁄/8"                      | TWH27NRH2.3/8     | 10.5    | 1.8      | TWH54NRH2.3/8   | 11.8    | 3.2 | TWH120NRH2.3/8   | 14.8    | 6.4 |                  |         |          |                    |         |          |
|  | 2 <sup>%</sup> /16"                      |                   |         |          | TWH54NRH2.9/16  | 11.6    | 3.3 | TWH120NRH2.9/16  | 14.8    | 6.4 |                  |         |          |                    |         |          |
| 1 <sup>3</sup> ⁄4"                     | 2¾"                                      |                   |         |          | TWH54NRH2.3/4   | 11.8    | 3.4 | TWH120NRH2.3/4   | 14.9    | 6.5 | TWH210NRH2.3/4   | 18.3    | 12.1     |                    |         |          |
| 1 <sup>7</sup> / <sub>8</sub> "        | 2 <sup>15</sup> ⁄16"                     |                   |         |          | TWH54NRH2.15/16 | 14.8    | 3.5 | TWH120NRH2.15/16 | 14.9    | 6.5 | TWH210NRH2.15/16 | 18.3    | 12.2     |                    |         |          |
| 2"                                     | 3 <sup>1</sup> ⁄/ <sub>8</sub> "         |                   |         |          | TWH54NRH3.1/8   | 12.1    | 3.5 | TWH120NRH3.1/8   | 15.1    | 6.5 | TWH210NRH3.1/8   | 18.5    | 12.3     | TWH430NRH3.1/8     | 26.0    | 23.2     |
| 2 ¼"                                   | 3½"                                      |                   |         |          |                 |         |     | TWH120NRH3.1/2   | 16.9    | 7.9 | TWH210NRH3.1/2   | 19.3    | 12.4     | TWH430NRH3.1/2     | 26.8    | 23.9     |
| 2 ½"                                   | 3 <sup>7</sup> /8"                       |                   |         |          |                 |         |     | TWH120NRH3.7/8   | 19.6    | 8.5 | TWH210NRH3.7/8   | 19.5    | 12.5     | TWH430NRH3.7/8     | 26.5    | 25.7     |
| 2 <sup>3</sup> ⁄4"                     | 4 <sup>1</sup> / <sub>4</sub> "          |                   |         |          |                 |         |     |                  |         |     | TWH210NRH4.1/4   | 19.5    | 13.3     | TWH430NRH4.1/4     | 26.9    | 26.1     |
| 3"                                     | 4 <sup>5</sup> / <sub>8</sub> "          |                   |         |          |                 |         |     |                  |         |     | TWH210NRH4.5/8   | 19.3    | 13.8     | TWH430NRH4.5/8     | 25.9    | 26.3     |
| 31⁄4"                                  | 5"                                       |                   |         |          |                 |         |     |                  |         |     |                  |         |          | TWH430NRH5         | 27.4    | 27.9     |
| 3½"                                    | 5¾"                                      |                   |         |          |                 |         |     |                  |         |     |                  |         |          | TWH430NRH5.3/8     | 25.8    | 28.3     |
| 3¾"                                    | 5¾"                                      |                   |         |          |                 |         |     |                  |         |     |                  |         |          | TWH430NRH5.3/4     | 24.8    | 29.3     |
| 4"                                     | 6 <sup>1</sup> / <sub>8</sub> "          |                   |         |          |                 |         |     |                  |         |     |                  |         |          | TWH430NRH6.1/8     | 25.0    | 30.1     |
| 4 ¼"                                   | 6½"                                      |                   |         |          |                 |         |     |                  |         |     |                  |         |          | TWH430NRH6.1/2     | 25.0    | 31.0     |
| 4 ½"                                   | 6 <sup>7</sup> /8"                       |                   |         |          |                 |         |     |                  |         |     |                  |         |          | TWH430NRH6.7/8     | 27.3    | 31.8     |