

# **RSL-SERIES** **LOW-PROFILE HEXAGON** **& SQUARE DRIVE** **TORQUE WRENCHES**

One Drive, Two Tools



**ENERPAC** 

▼ Shown: RSL Torque Wrench Drive with interchangeable RLP hexagon cassette



## Setting New Standards in Safety, Simplicity and Performance



### Torque Wrench Options and Accessories

Optional accessories are available for maximum versatility. Please contact your Enerpac representative to help you select the optimum solution for your application.

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### Safety and Performance

- Innovative design that completely encloses all moving parts and minimizes pinch points
- 30-35° of operating stroke provides added productivity while avoiding “tool lock on” which is common with some torque wrench designs

### Simplicity

- Simple robust alloy steel design with just three moving parts for reduced maintenance
- Designed to give optimum strength to weight and torque to weight ratios
- Minimum nose radius for trouble-free tool fit

### Versatility

- Interchangeable cassette design
- Wide range of hexagon sizes available for all applications
- Reaction arm has a simple dial lock for rapid change
- For use in multiple industrial, energy, and oil and gas applications

### Accuracy

- Accuracy of +/-3%



### Back-Up Spanner

To be used to stop back nut from turning during make up or break out. Two hex sizes in one tool.

| Hexagon Sizes (A/F) |           | Back-Up Spanner Model Number |
|---------------------|-----------|------------------------------|
| (in)                | (mm)      |                              |
| 1 1/16 - 1 1/4      | 27 - 32   | <b>BUS 01</b>                |
| 1 7/16 - 1 5/8      | 36 - 41   | <b>BUS 02</b>                |
| 1 13/16 - 2         | 46 - 50   | <b>BUS 03</b>                |
| 2 3/16 - 2 3/8      | 55 - 60   | <b>BUS 04</b>                |
| 2 9/16 - 2 3/4      | 65 - 70   | <b>BUS 05</b>                |
| 2 15/16 - 3 1/8     | 75 - 80   | <b>BUS 06</b>                |
| 3 1/2 - 3 7/8       | —         | <b>BUS 07</b>                |
| 4 1/4 - 4 5/8       | —         | <b>BUS 08</b>                |
| —                   | 85 - 90   | <b>BUS 09</b>                |
| 3 3/4 - 3 15/16     | 95 - 100  | <b>BUS 10</b>                |
| 4 1/8 - 4 15/16     | 105 - 110 | <b>BUS 11</b>                |
| —                   | 115 - 120 | <b>BUS 12</b>                |



### Torque Wrench Pumps

Visit [enerpac.com](http://enerpac.com) for system matched air and electric torque wrench pumps that are ideal for use with hydraulic torque wrenches.

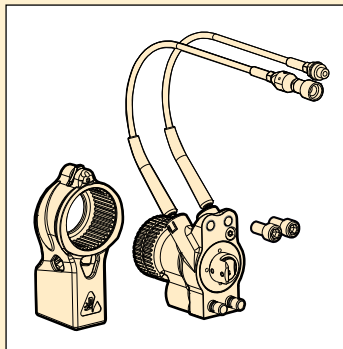
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# Drive Units for Hexagon Cassettes & Square Drive Heads

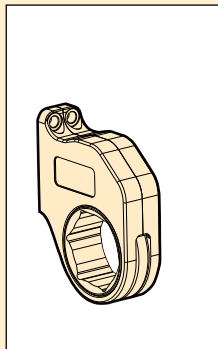


## One Drive, Two Tools

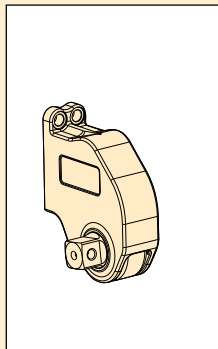
One RSL-Hydraulic Drive Unit fits RLP-Hexagon Cassette or RSQ-Square Drive Head.



RSL

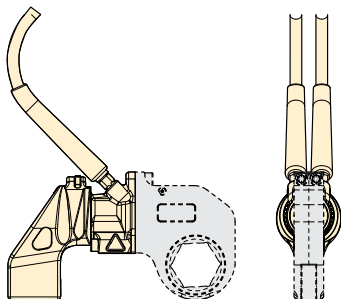


RLP... / RLP...SL

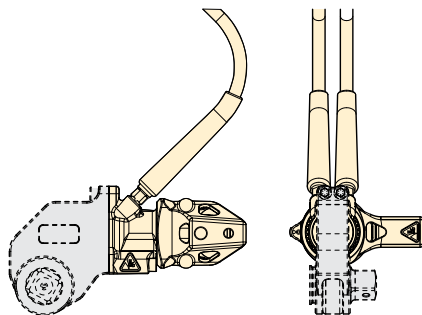


RSQ

### ▼ RSL Torque Wrench Drive shown with RLP, Low-Profile Hexagon Cassette



### ▼ RSL Torque Wrench Drive shown with RSQ, Square Drive Head



### ▼ SELECTION CHART

| Hexagon Cassette Range (A/F)<br>(see pages 4-8 for sizes and model numbers) |          | Drive Unit<br>Model Number | Maximum<br>Torque Output |       | Weight<br>(lbs) |
|-----------------------------------------------------------------------------|----------|----------------------------|--------------------------|-------|-----------------|
| (in)                                                                        | (mm)     |                            | (ft-lbs)                 | Nm    |                 |
| 7/8 - 2-3/8                                                                 | 22 - 60  | <b>RSL1500</b>             | 1408                     | 1909  | 3.4             |
| 1-1/4 - 2-15/16                                                             | 32 - 74  | <b>RSL3000</b>             | 3080                     | 4176  | 5.6             |
| 2 - 3-1/8                                                                   | 50 - 80  | <b>RSL5000</b>             | 5303                     | 7190  | 8.9             |
| 2-3/16 - 3-1/8                                                              | 55 - 80  | <b>RSL8000</b>             | 7862                     | 10659 | 10.6            |
| 2-9/16 - 4-5/8                                                              | 65 - 117 | <b>RSL11000</b>            | 11154                    | 15123 | 11.6            |
| 3-1/8 - 4-5/8                                                               | 79 - 117 | <b>RSL19000</b>            | 18843                    | 25547 | 20.0            |
| 3-1/2 - 6-1/8                                                               | 89 - 155 | <b>RSL28000</b>            | 28002                    | 37965 | 22.0            |

## RSL Series



Maximum Torque Output:

**28,002 ft-lbs**

Hexagon Range:

**7/8 - 6 1/8 inches**

Hexagon Range:

**22 - 155 mm**

Maximum Operating Pressure:

**10,000 psi**



### Select the Right Torque

Choose your Enerpac Torque Wrench using the untightening rule of thumb: Loosening torque equals about 250% of tightening torque.



### Torque Wrench Hoses

Use Enerpac THQ-700 Series hoses with RSL-Series torque wrenches to ensure the integrity of your hydraulic system.

19.5 feet long, 2 hoses

**THQ-706T**

39 feet long, 2 hoses

**THQ-712T**



### RLP-Series, Low-Profile Hexagon Cassettes

For metric and imperial hexagon cassettes see pages 4-8.

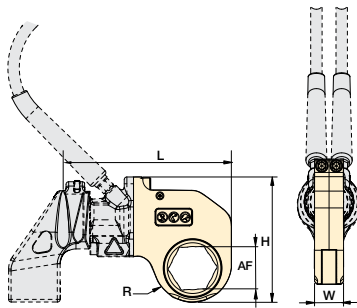
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### RSQ-Series, Square-Drive Heads

RSQ Square Drive Heads are interchangeable with the RLP Hexagon Cassettes. The same RSL drive unit is used for all the cassettes.

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Hexagon Range:

**$\frac{7}{8}$  -  $6\frac{1}{8}$  inches**

Hexagon Range:

**22 - 155 mm**

Maximum Operating Pressure:

**10,000 psi**

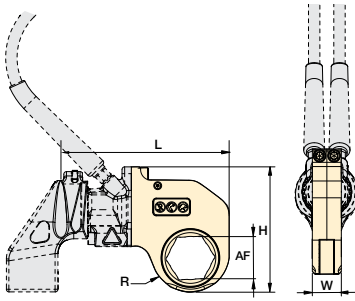
**RSL  
Series**



## ▼ SELECTION CHART

| Hexagon Cassette Model Number | Drive Unit Model Number | AF Size          |      | Maximum Torque Output (ft-lbs) | Dimensions (in) |      |      |      | Weight (lbs) |
|-------------------------------|-------------------------|------------------|------|--------------------------------|-----------------|------|------|------|--------------|
|                               |                         | (in)             | (mm) |                                | R               | L    | W    | H    |              |
| RLP1014                       | RSL1500                 | $\frac{7}{8}$    | -    | 320                            | 0.79            | 6.00 | 1.25 | 4.33 | 2.2          |
| RLP1101                       |                         | $1\frac{1}{16}$  | -    | 640                            | 0.95            | 6.05 | 1.25 | 4.50 | 2.2          |
| RLP1102                       |                         | $1\frac{1}{8}$   | -    | 640                            | 1.03            | 6.12 | 1.25 | 4.57 | 2.3          |
| RLP1103                       |                         | $1\frac{3}{16}$  | -    | 640                            | 1.03            | 6.12 | 1.25 | 4.57 | 2.3          |
| RLP1104                       |                         | $1\frac{1}{4}$   | -    | 640                            | 1.03            | 6.12 | 1.25 | 4.57 | 2.3          |
| RLP1105                       |                         | $1\frac{5}{16}$  | -    | 900                            | 1.15            | 6.24 | 1.25 | 4.69 | 2.4          |
| RLP1032M                      |                         | -                | 32   | 900                            | 1.15            | 6.24 | 1.25 | 4.69 | 2.4          |
| RLP1106                       |                         | $1\frac{3}{8}$   | -    | 900                            | 1.15            | 6.24 | 1.25 | 4.69 | 2.4          |
| RLP1036M                      |                         | -                | 36   | 900                            | 1.15            | 6.24 | 1.25 | 4.69 | 2.4          |
| RLP1107                       |                         | $1\frac{7}{16}$  | -    | 900                            | 1.15            | 6.24 | 1.25 | 4.69 | 2.4          |
| RLP1108                       |                         | $1\frac{1}{2}$   | -    | 1408                           | 1.31            | 6.41 | 1.25 | 4.86 | 2.7          |
| RLP1109                       |                         | $1\frac{9}{16}$  | -    | 1408                           | 1.31            | 6.41 | 1.25 | 4.86 | 2.7          |
| RLP1110                       |                         | $1\frac{5}{8}$   | 41   | 1408                           | 1.31            | 6.41 | 1.25 | 4.86 | 2.7          |
| RLP1111                       |                         | $1\frac{11}{16}$ | -    | 1408                           | 1.40            | 6.49 | 1.25 | 4.94 | 2.7          |
| RLP1112                       |                         | $1\frac{3}{4}$   | -    | 1408                           | 1.40            | 6.49 | 1.25 | 4.94 | 2.7          |
| RLP1046M                      |                         | $1\frac{13}{16}$ | 46   | 1408                           | 1.40            | 6.49 | 1.25 | 4.94 | 2.7          |
| RLP1113                       |                         | $1\frac{13}{16}$ | -    | 1408                           | 1.40            | 6.49 | 1.25 | 4.94 | 2.7          |
| RLP1114                       |                         | $1\frac{7}{8}$   | -    | 1408                           | 1.48            | 6.58 | 1.25 | 5.03 | 2.7          |
| RLP1115                       |                         | $1\frac{15}{16}$ | -    | 1408                           | 1.48            | 6.58 | 1.25 | 5.03 | 2.7          |
| RLP1200                       |                         | 2                | -    | 1408                           | 1.48            | 6.58 | 1.25 | 5.03 | 2.7          |
| RLP1201                       |                         | $2\frac{1}{16}$  | -    | 1408                           | 1.58            | 6.68 | 1.25 | 5.13 | 2.7          |
| RLP1202                       |                         | $2\frac{1}{8}$   | 54   | 1408                           | 1.58            | 6.68 | 1.25 | 5.13 | 2.7          |
| RLP1203                       |                         | $2\frac{3}{16}$  | -    | 1408                           | 1.58            | 6.68 | 1.25 | 5.13 | 2.7          |
| RLP1204                       |                         | $2\frac{1}{4}$   | -    | 1408                           | 1.70            | 6.79 | 1.25 | 5.24 | 2.8          |
| RLP1205                       |                         | $2\frac{5}{16}$  | -    | 1408                           | 1.70            | 6.79 | 1.25 | 5.24 | 2.8          |
| RLP1206                       |                         | $2\frac{3}{8}$   | -    | 1408                           | 1.70            | 6.79 | 1.25 | 5.24 | 2.8          |
| RLP3105                       | RSL3000                 | $1\frac{5}{16}$  | -    | 900                            | 1.18            | 7.62 | 1.38 | 5.49 | 3.5          |
| RLP3106                       |                         | $1\frac{3}{8}$   | 35   | 900                            | 1.18            | 7.62 | 1.38 | 5.49 | 3.5          |
| RLP3107                       |                         | $1\frac{7}{16}$  | -    | 900                            | 1.18            | 7.62 | 1.38 | 5.49 | 3.5          |
| RLP3108                       |                         | $1\frac{1}{2}$   | -    | 1200                           | 1.32            | 7.77 | 1.38 | 5.63 | 3.9          |
| RLP3109                       |                         | $1\frac{9}{16}$  | -    | 1200                           | 1.32            | 7.77 | 1.38 | 5.63 | 3.9          |
| RLP3110                       |                         | $1\frac{5}{8}$   | -    | 1200                           | 1.32            | 7.77 | 1.38 | 5.63 | 3.9          |
| RLP3111                       |                         | $1\frac{11}{16}$ | -    | 1900                           | 1.47            | 7.87 | 1.38 | 5.78 | 4.0          |
| RLP3112                       |                         | $1\frac{3}{4}$   | -    | 1900                           | 1.47            | 7.87 | 1.38 | 5.78 | 4.0          |
| RLP3113                       |                         | $1\frac{13}{16}$ | -    | 1900                           | 1.47            | 7.87 | 1.38 | 5.78 | 4.0          |
| RLP3114                       |                         | $1\frac{7}{8}$   | -    | 2600                           | 1.60            | 8.04 | 1.38 | 5.92 | 4.5          |
| RLP3115                       |                         | $1\frac{15}{16}$ | -    | 2600                           | 1.60            | 8.04 | 1.38 | 5.92 | 4.5          |
| RLP3200                       |                         | 2                | -    | 2600                           | 1.60            | 8.04 | 1.38 | 5.92 | 4.5          |
| RLP3201                       |                         | $2\frac{1}{16}$  | -    | 3080                           | 1.76            | 8.16 | 1.38 | 6.08 | 4.7          |
| RLP3202                       |                         | $2\frac{1}{8}$   | -    | 3080                           | 1.76            | 8.16 | 1.38 | 6.08 | 4.7          |
| RLP3055M                      |                         | -                | 55   | 3080                           | 1.76            | 8.16 | 1.38 | 6.08 | 4.7          |
| RLP3203                       |                         | $2\frac{3}{16}$  | -    | 3080                           | 1.76            | 8.16 | 1.38 | 6.08 | 4.7          |
| RLP3204                       |                         | $2\frac{1}{4}$   | -    | 3080                           | 1.84            | 8.25 | 1.38 | 6.15 | 4.8          |

# RSL-Series Hexagon Cassettes



Hexagon Range:

**$\frac{7}{8}$  -  $6\frac{1}{8}$  inches**

Hexagon Range:

**22 - 155 mm**

Maximum Operating Pressure:

**10,000 psi**

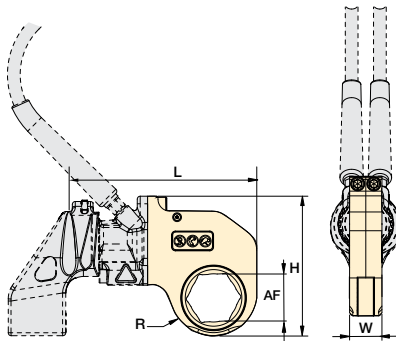
**RSL  
Series**



## ▼ SELECTION CHART

| Hexagon Cassette Model Number | Drive Unit Model Number | AF Size          |      | Maximum Torque Output<br>(ft-lbs) | Dimensions (in) |      |      |      | Weight<br>(lbs) |
|-------------------------------|-------------------------|------------------|------|-----------------------------------|-----------------|------|------|------|-----------------|
|                               |                         | (in)             | (mm) |                                   | R               | L    | W    | H    |                 |
| RLP3205                       | RSL3000                 | $2\frac{15}{16}$ | -    | 3080                              | 1.84            | 8.25 | 1.38 | 6.15 | 4.8             |
| RLP3206                       |                         | $2\frac{3}{8}$   | -    | 3080                              | 1.84            | 8.25 | 1.38 | 6.15 | 4.8             |
| RLP3060M                      |                         | -                | 60   | 3080                              | 1.84            | 8.25 | 1.38 | 6.15 | 4.8             |
| RLP3207                       |                         | $2\frac{7}{16}$  | -    | 3080                              | 1.95            | 8.14 | 1.38 | 6.26 | 4.6             |
| RLP3208                       |                         | $2\frac{1}{2}$   | -    | 3080                              | 1.95            | 8.14 | 1.38 | 6.26 | 4.6             |
| RLP3209                       |                         | $2\frac{9}{16}$  | -    | 3080                              | 1.95            | 8.14 | 1.38 | 6.26 | 4.6             |
| RLP3210                       |                         | $2\frac{5}{8}$   | -    | 3080                              | 2.04            | 8.23 | 1.38 | 6.36 | 4.4             |
| RLP3211                       |                         | $2\frac{11}{16}$ | -    | 3080                              | 2.04            | 8.23 | 1.38 | 6.36 | 4.4             |
| RLP3212                       |                         | $2\frac{3}{4}$   | -    | 3080                              | 2.04            | 8.23 | 1.38 | 6.36 | 4.4             |
| RLP3213                       |                         | $2\frac{13}{16}$ | -    | 3080                              | 2.16            | 8.34 | 1.38 | 6.54 | 4.7             |
| RLP3214                       |                         | $2\frac{7}{8}$   | -    | 3080                              | 2.16            | 8.34 | 1.38 | 6.54 | 4.7             |
| RLP3215                       |                         | $2\frac{15}{16}$ | -    | 3080                              | 2.16            | 8.34 | 1.38 | 6.54 | 4.7             |
| RLP5111                       | RSL5000                 | $1\frac{11}{16}$ | -    | 2600                              | 1.61            | 9.08 | 1.75 | 6.52 | 6.6             |
| RLP5112                       |                         | $1\frac{3}{4}$   | -    | 2600                              | 1.61            | 9.08 | 1.75 | 6.52 | 6.6             |
| RLP5113                       |                         | $1\frac{13}{16}$ | 46   | 2600                              | 1.61            | 9.08 | 1.75 | 6.52 | 6.6             |
| RLP5114                       |                         | $1\frac{7}{8}$   | -    | 2600                              | 1.61            | 9.08 | 1.75 | 6.52 | 6.6             |
| RLP5115                       |                         | $1\frac{15}{16}$ | -    | 2600                              | 1.61            | 9.08 | 1.75 | 6.52 | 6.6             |
| RLP5200                       |                         | 2                | -    | 2600                              | 1.61            | 9.08 | 1.75 | 6.52 | 6.6             |
| RLP5201                       |                         | $2\frac{1}{16}$  | -    | 3500                              | 1.71            | 9.18 | 1.75 | 6.62 | 6.5             |
| RLP5202                       |                         | $2\frac{1}{8}$   | -    | 3500                              | 1.71            | 9.18 | 1.75 | 6.62 | 6.5             |
| RLP5203                       |                         | $2\frac{3}{16}$  | -    | 3500                              | 1.71            | 9.18 | 1.75 | 6.62 | 6.5             |
| RLP5204                       |                         | $2\frac{1}{4}$   | -    | 4500                              | 1.87            | 9.34 | 1.75 | 6.78 | 7.0             |
| RLP5205                       |                         | $2\frac{5}{16}$  | -    | 4500                              | 1.87            | 9.34 | 1.75 | 6.78 | 7.0             |
| RLP5206                       |                         | $2\frac{3}{8}$   | -    | 4500                              | 1.87            | 9.34 | 1.75 | 6.78 | 7.0             |
| RLP5207                       |                         | $2\frac{7}{16}$  | -    | 5303                              | 2.01            | 9.48 | 1.75 | 6.92 | 7.0             |
| RLP5208                       |                         | $2\frac{1}{2}$   | -    | 5303                              | 2.01            | 9.48 | 1.75 | 6.92 | 7.0             |
| RLP5209                       |                         | $2\frac{9}{16}$  | 65   | 5303                              | 2.01            | 9.48 | 1.75 | 6.92 | 7.0             |
| RLP5210                       |                         | $2\frac{5}{8}$   | -    | 5303                              | 2.16            | 9.63 | 1.75 | 7.07 | 7.5             |
| RLP5211                       |                         | $2\frac{11}{16}$ | -    | 5303                              | 2.16            | 9.63 | 1.75 | 7.07 | 7.5             |
| RLP5212                       |                         | $2\frac{3}{4}$   | 70   | 5303                              | 2.16            | 9.63 | 1.75 | 7.07 | 7.5             |
| RLP5213                       |                         | $2\frac{13}{16}$ | -    | 5303                              | 2.24            | 9.71 | 1.75 | 7.15 | 7.5             |
| RLP5214                       |                         | $2\frac{7}{8}$   | -    | 5303                              | 2.24            | 9.71 | 1.75 | 7.15 | 7.5             |
| RLP5215                       |                         | $2\frac{15}{16}$ | 75   | 5303                              | 2.24            | 9.71 | 1.75 | 7.15 | 7.5             |
| RLP5300                       |                         | 3                | -    | 5303                              | 2.26            | 9.73 | 1.75 | 7.17 | 7.2             |
| RLP5301                       |                         | $3\frac{1}{16}$  | -    | 5303                              | 2.26            | 9.73 | 1.75 | 7.17 | 7.2             |
| RLP5302                       |                         | $3\frac{1}{8}$   | -    | 5303                              | 2.26            | 9.73 | 1.75 | 7.17 | 7.2             |
| RLP5080M                      |                         | -                | 80   | 5303                              | 2.26            | 9.73 | 1.75 | 7.17 | 7.2             |
| RLP8060M                      | RSL8000                 | -                | 60   | 4500                              | 1.87            | 9.53 | 2.25 | 7.00 | 8.9             |
| RLP8206                       |                         | $2\frac{3}{8}$   | -    | 4500                              | 1.87            | 9.53 | 2.25 | 7.00 | 8.9             |
| RLP8207                       |                         | $2\frac{7}{16}$  | -    | 5800                              | 2.01            | 9.67 | 2.25 | 7.13 | 9.0             |
| RLP8208                       |                         | $2\frac{1}{2}$   | -    | 5800                              | 2.01            | 9.67 | 2.25 | 7.13 | 9.0             |
| RLP8209                       |                         | $2\frac{9}{16}$  | 65   | 5800                              | 2.01            | 9.67 | 2.25 | 7.13 | 9.0             |
| RLP8210                       |                         | $2\frac{5}{8}$   | -    | 7862                              | 2.16            | 9.82 | 2.25 | 7.28 | 9.6             |

# RSL-Series Hexagon Cassettes



Hexagon Range:  
 **$\frac{7}{8}$  -  $6\frac{1}{8}$  inches**

Hexagon Range:  
**22 - 155 mm**

Maximum Operating Pressure:  
**10,000 psi**

**RSL  
Series**



## ▼ SELECTION CHART

| Hexagon Cassette Model Number | Drive Unit Model Number | AF Size          |      | Maximum Torque Output<br>(ft-lbs) | Dimensions (in) |       |      |      | Weight<br>(lbs) |
|-------------------------------|-------------------------|------------------|------|-----------------------------------|-----------------|-------|------|------|-----------------|
|                               |                         | (in)             | (mm) |                                   | R               | L     | W    | H    |                 |
| RLP8211                       | RSL8000                 | $2\frac{1}{16}$  | -    | 7862                              | 2.16            | 9.82  | 2.25 | 7.28 | 9.6             |
| RLP8212                       |                         | $2\frac{3}{4}$   | 70   | 7862                              | 2.16            | 9.82  | 2.25 | 7.28 | 9.6             |
| RLP8213                       |                         | $2\frac{13}{16}$ | -    | 7862                              | 2.24            | 9.90  | 2.25 | 7.36 | 9.6             |
| RLP8214                       |                         | $2\frac{7}{8}$   | -    | 7862                              | 2.24            | 9.90  | 2.25 | 7.36 | 9.6             |
| RLP8215                       |                         | $2\frac{15}{16}$ | 75   | 7862                              | 2.24            | 9.90  | 2.25 | 7.36 | 9.6             |
| RLP8300                       |                         | 3                | -    | 7862                              | 2.26            | 9.92  | 2.25 | 7.39 | 9.3             |
| RLP8301                       |                         | $3\frac{1}{16}$  | -    | 7862                              | 2.26            | 9.92  | 2.25 | 7.39 | 9.3             |
| RLP8302                       |                         | $3\frac{1}{8}$   | -    | 7862                              | 2.26            | 9.92  | 2.25 | 7.39 | 9.3             |
| RLP11207                      | RSL11000                | $2\frac{7}{16}$  | -    | 5800                              | 1.98            | 10.00 | 2.50 | 8.03 | 14.2            |
| RLP11208                      |                         | $2\frac{1}{2}$   | -    | 5800                              | 1.98            | 10.00 | 2.50 | 8.03 | 14.2            |
| RLP11209                      |                         | $2\frac{9}{16}$  | 65   | 5800                              | 1.98            | 10.00 | 2.50 | 8.03 | 14.2            |
| RLP11210                      |                         | $2\frac{5}{8}$   | -    | 7300                              | 2.19            | 11.20 | 2.50 | 8.23 | 14.8            |
| RLP11211                      |                         | $2\frac{11}{16}$ | -    | 7300                              | 2.19            | 11.20 | 2.50 | 8.23 | 14.8            |
| RLP11212                      |                         | $2\frac{3}{4}$   | 70   | 7300                              | 2.19            | 11.20 | 2.50 | 8.23 | 14.8            |
| RLP11213                      |                         | $2\frac{13}{16}$ | -    | 9000                              | 2.29            | 11.31 | 2.50 | 8.34 | 14.8            |
| RLP11214                      |                         | $2\frac{7}{8}$   | -    | 9000                              | 2.29            | 11.31 | 2.50 | 8.34 | 14.8            |
| RLP11215                      |                         | $2\frac{15}{16}$ | 75   | 9000                              | 2.29            | 11.31 | 2.50 | 8.34 | 14.8            |
| RLP11300                      |                         | 3                | -    | 11154                             | 2.43            | 11.44 | 2.50 | 8.47 | 15.2            |
| RLP11301                      |                         | $3\frac{1}{16}$  | -    | 11154                             | 2.43            | 11.44 | 2.50 | 8.47 | 15.2            |
| RLP11302                      |                         | $3\frac{1}{8}$   | -    | 11154                             | 2.43            | 11.44 | 2.50 | 8.47 | 15.2            |
| RLP11303                      |                         | $3\frac{3}{16}$  | -    | 11154                             | 2.60            | 11.71 | 2.50 | 8.64 | 16.6            |
| RLP11085M                     |                         | -                | 85   | 11154                             | 2.60            | 11.71 | 2.50 | 8.64 | 16.6            |
| RLP11304                      |                         | $3\frac{1}{4}$   | -    | 11154                             | 2.60            | 11.71 | 2.50 | 8.64 | 16.6            |
| RLP11305                      |                         | $3\frac{5}{16}$  | -    | 11154                             | 2.60            | 11.71 | 2.50 | 8.64 | 16.6            |
| RLP11306                      |                         | $3\frac{3}{8}$   | -    | 11154                             | 2.60            | 11.71 | 2.50 | 8.64 | 16.6            |
| RLP11307                      |                         | $3\frac{7}{16}$  | -    | 11154                             | 2.60            | 11.71 | 2.50 | 8.64 | 16.6            |
| RLP11308                      |                         | $3\frac{1}{2}$   | -    | 11154                             | 2.60            | 11.71 | 2.50 | 8.64 | 16.6            |
| RLP11090M                     |                         | -                | 90   | 11154                             | 2.88            | 11.89 | 2.50 | 8.92 | 17.2            |
| RLP11309                      |                         | $3\frac{9}{16}$  | -    | 11154                             | 2.88            | 11.89 | 2.50 | 8.92 | 17.2            |
| RLP11310                      |                         | $3\frac{5}{8}$   | -    | 11154                             | 2.88            | 11.89 | 2.50 | 8.92 | 17.2            |
| RLP11311                      |                         | $3\frac{11}{16}$ | -    | 11154                             | 2.88            | 11.89 | 2.50 | 8.92 | 17.2            |
| RLP11312                      |                         | $3\frac{3}{4}$   | 95   | 11154                             | 2.88            | 11.89 | 2.50 | 8.92 | 17.2            |
| RLP11313                      |                         | $3\frac{13}{16}$ | 97   | 11154                             | 2.88            | 11.89 | 2.50 | 8.92 | 17.2            |
| RLP11314                      |                         | $3\frac{7}{8}$   | -    | 11154                             | 2.88            | 11.89 | 2.50 | 8.92 | 17.2            |
| RLP11100M                     |                         | $3\frac{15}{16}$ | 100  | 11154                             | 2.98            | 12.00 | 2.50 | 9.03 | 16.4            |
| RLP11400                      |                         | $4\frac{1}{4}$   | -    | 11154                             | 2.98            | 12.00 | 2.50 | 9.03 | 16.4            |
| RLP11401                      |                         | $4\frac{1}{16}$  | -    | 11154                             | 2.98            | 12.00 | 2.50 | 9.03 | 16.4            |
| RLP11402                      |                         | $4\frac{1}{8}$   | 105  | 11154                             | 2.98            | 12.00 | 2.50 | 9.03 | 16.4            |
| RLP11404                      |                         | $4\frac{1}{4}$   | -    | 11154                             | 2.98            | 12.00 | 2.50 | 9.03 | 16.4            |
| RLP11408                      |                         | $4\frac{1}{2}$   | -    | 11154                             | 3.25            | 12.27 | 2.50 | 9.30 | 17.6            |
| RLP11410                      |                         | $4\frac{5}{8}$   | -    | 11154                             | 3.25            | 12.27 | 2.50 | 9.30 | 17.6            |

# RSL-Series Hexagon Cassettes

Hexagon Range:

**$\frac{7}{8}$  -  $6\frac{1}{8}$  inches**

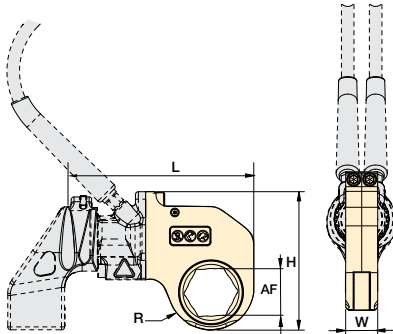
Hexagon Range:

**22 - 155 mm**

Maximum Operating Pressure:

**10,000 psi**

**RSL  
Series**



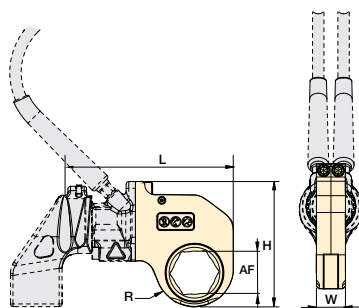
## Slimline Stepped-Width Hexagon Cassettes

For accessing narrow spaces, **RLP...SL**, Stepped-Width Hexagon Cassettes are available. Slimline cassettes use the same drive unit as the standard RLP cassettes.

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## ▼ SELECTION CHART

| Hexagon Cassette Model Number | Drive Unit Model Number | AF Size          |      | Maximum Torque Output<br>(ft-lbs) | Dimensions (in) |       |      |       | Weight<br>(lbs) |
|-------------------------------|-------------------------|------------------|------|-----------------------------------|-----------------|-------|------|-------|-----------------|
|                               |                         | (in)             | (mm) |                                   | R               | L     | W    | H     |                 |
| RLP19215                      | RSL19000                | $2\frac{15}{16}$ | -    | 11000                             | 2.45            | 12.72 | 2.75 | 9.44  | 21.5            |
| RLP19300                      |                         | 3                | -    | 11000                             | 2.45            | 12.72 | 2.75 | 9.44  | 21.5            |
| RLP19301                      |                         | $3\frac{1}{16}$  | -    | 11000                             | 2.45            | 12.72 | 2.75 | 9.44  | 21.5            |
| RLP19302                      |                         | $3\frac{1}{8}$   | -    | 11000                             | 2.45            | 12.72 | 2.75 | 9.44  | 21.5            |
| RLP19303                      |                         | $3\frac{3}{16}$  | -    | 16000                             | 2.77            | 13.04 | 2.75 | 9.76  | 22.6            |
| RLP19304                      |                         | $3\frac{1}{4}$   | -    | 16000                             | 2.77            | 13.04 | 2.75 | 9.76  | 22.6            |
| RLP19305                      |                         | $3\frac{5}{16}$  | -    | 16000                             | 2.77            | 13.04 | 2.75 | 9.76  | 22.6            |
| RLP19306                      |                         | $3\frac{3}{8}$   | -    | 16000                             | 2.77            | 13.04 | 2.75 | 9.76  | 22.6            |
| RLP19307                      |                         | $3\frac{7}{16}$  | -    | 16000                             | 2.77            | 13.04 | 2.75 | 9.76  | 22.6            |
| RLP19308                      |                         | $3\frac{1}{2}$   | -    | 16000                             | 2.77            | 13.04 | 2.75 | 9.76  | 22.6            |
| RLP19309                      |                         | $3\frac{9}{16}$  | -    | 18843                             | 2.95            | 13.22 | 2.75 | 9.94  | 23.8            |
| RLP19310                      |                         | $3\frac{5}{8}$   | -    | 18843                             | 2.95            | 13.22 | 2.75 | 9.94  | 23.8            |
| RLP19311                      |                         | $3\frac{11}{16}$ | -    | 18843                             | 2.95            | 13.22 | 2.75 | 9.94  | 23.8            |
| RLP19312                      |                         | $3\frac{3}{4}$   | -    | 18843                             | 2.95            | 13.22 | 2.75 | 9.94  | 23.8            |
| RLP19313                      |                         | $3\frac{13}{16}$ | -    | 18843                             | 2.95            | 13.22 | 2.75 | 9.94  | 23.8            |
| RLP19314                      |                         | $3\frac{7}{8}$   | -    | 18843                             | 2.95            | 13.22 | 2.75 | 9.94  | 23.8            |
| RLP19315                      |                         | $3\frac{15}{16}$ | -    | 18843                             | 3.30            | 13.57 | 2.75 | 10.28 | 25.3            |
| RLP19400                      |                         | 4                | -    | 18843                             | 3.30            | 13.57 | 2.75 | 10.28 | 25.3            |
| RLP19401                      |                         | $4\frac{1}{16}$  | -    | 18843                             | 3.30            | 13.57 | 2.75 | 10.28 | 25.3            |
| RLP19402                      |                         | $4\frac{1}{8}$   | 105  | 18843                             | 3.30            | 13.57 | 2.75 | 10.28 | 25.3            |
| RLP19403                      |                         | $4\frac{3}{16}$  | -    | 18843                             | 3.30            | 13.57 | 2.75 | 10.28 | 25.3            |
| RLP19404                      |                         | $4\frac{1}{4}$   | 108  | 18843                             | 3.30            | 13.57 | 2.75 | 10.28 | 25.3            |
| RLP19405                      |                         | $4\frac{5}{16}$  | -    | 18843                             | 3.44            | 13.71 | 2.75 | 10.43 | 25.6            |
| RLP19406                      |                         | $4\frac{3}{8}$   | -    | 18843                             | 3.44            | 13.71 | 2.75 | 10.43 | 25.6            |
| RLP19407                      |                         | $4\frac{7}{16}$  | -    | 18843                             | 3.44            | 13.71 | 2.75 | 10.43 | 25.6            |
| RLP19408                      |                         | $4\frac{1}{2}$   | -    | 18843                             | 3.44            | 13.71 | 2.75 | 10.43 | 25.6            |
| RLP19409                      |                         | $4\frac{9}{16}$  | -    | 18843                             | 3.44            | 13.71 | 2.75 | 10.43 | 25.6            |
| RLP19410                      |                         | $4\frac{5}{8}$   | -    | 18843                             | 3.44            | 13.71 | 2.75 | 10.43 | 25.6            |



Hexagon Range:  
**7/8 - 6 1/8 inches**

Hexagon Range:  
**22 - 155 mm**

Maximum Operating Pressure:  
**10,000 psi**

**RSL  
Series**



## ▼ SELECTION CHART

| Hexagon Cassette Model Number | Drive Unit Model Number | AF Size |      | Maximum Torque Output (ft-lbs) | Dimensions (in) |       |      |       | Weight (lbs) |
|-------------------------------|-------------------------|---------|------|--------------------------------|-----------------|-------|------|-------|--------------|
|                               |                         | (in)    | (mm) |                                | R               | L     | W    | H     |              |
| RLP28302                      | RSL28000                | 3 1/8   | -    | 16000                          | 2.56            | 14.36 | 3.00 | 10.54 | 27.6         |
| RLP28303                      |                         | 3 3/16  | -    | 16000                          | 2.56            | 14.36 | 3.00 | 10.54 | 27.6         |
| RLP28304                      |                         | 3 1/4   | -    | 16000                          | 2.56            | 14.36 | 3.00 | 10.54 | 27.6         |
| RLP28305                      |                         | 3 5/16  | -    | 16000                          | 2.56            | 14.36 | 3.00 | 10.54 | 27.6         |
| RLP28306                      |                         | 3 3/8   | -    | 16000                          | 2.56            | 14.36 | 3.00 | 10.54 | 27.6         |
| RLP28307                      |                         | 3 7/16  | -    | 16000                          | 2.56            | 14.36 | 3.00 | 10.54 | 27.6         |
| RLP28308                      |                         | 3 1/2   | -    | 16000                          | 2.56            | 14.36 | 3.00 | 10.54 | 27.6         |
| RLP28309                      |                         | 3 9/16  | -    | 22000                          | 2.92            | 14.36 | 3.00 | 10.77 | 28.8         |
| RLP28310                      |                         | 3 5/8   | -    | 22000                          | 2.92            | 14.36 | 3.00 | 10.77 | 28.8         |
| RLP28311                      |                         | 3 11/16 | -    | 22000                          | 2.92            | 14.36 | 3.00 | 10.77 | 28.8         |
| RLP28312                      |                         | 3 3/4   | 95   | 22000                          | 2.92            | 14.36 | 3.00 | 10.77 | 28.8         |
| RLP28313                      |                         | 3 13/16 | -    | 22000                          | 2.92            | 14.36 | 3.00 | 10.77 | 28.5         |
| RLP28314                      |                         | 3 7/8   | -    | 22000                          | 2.92            | 14.36 | 3.00 | 10.77 | 28.8         |
| RLP28315                      |                         | 3 15/16 | -    | 22002                          | 3.29            | 14.47 | 3.00 | 11.14 | 31.7         |
| RLP28400                      |                         | 4       | -    | 28002                          | 3.29            | 14.47 | 3.00 | 11.14 | 31.7         |
| RLP28401                      |                         | 4 1/16  | -    | 28002                          | 3.29            | 14.47 | 3.00 | 11.14 | 31.7         |
| RLP28402                      |                         | 4 1/8   | 105  | 28002                          | 3.29            | 14.47 | 3.00 | 11.14 | 31.7         |
| RLP28403                      |                         | 4 3/16  | -    | 28002                          | 3.29            | 14.47 | 3.00 | 11.14 | 31.7         |
| RLP28404                      |                         | 4 1/4   | -    | 28002                          | 3.29            | 14.47 | 3.00 | 11.14 | 31.7         |
| RLP28405                      |                         | 4 5/16  | -    | 28002                          | 3.43            | 14.61 | 3.00 | 11.28 | 31.5         |
| RLP28406                      |                         | 4 3/8   | -    | 28002                          | 3.43            | 14.61 | 3.00 | 11.28 | 31.5         |
| RLP28407                      |                         | 4 7/16  | -    | 28002                          | 3.43            | 14.61 | 3.00 | 11.28 | 31.5         |
| RLP28408                      |                         | 4 1/2   | -    | 28002                          | 3.43            | 14.61 | 3.00 | 11.28 | 31.5         |
| RLP28409                      |                         | 4 9/16  | -    | 28002                          | 3.43            | 14.61 | 3.00 | 11.28 | 31.5         |
| RLP28410                      |                         | 4 5/8   | -    | 28002                          | 3.43            | 14.61 | 3.00 | 11.28 | 31.5         |
| RLP28412                      |                         | 4 3/4   | -    | 28002                          | 3.65            | 14.83 | 3.00 | 11.50 | 33.5         |
| RLP28414                      |                         | 4 7/8   | -    | 28002                          | 3.65            | 14.83 | 3.00 | 11.50 | 33.5         |
| RLP28500                      |                         | 5       | -    | 28002                          | 3.65            | 14.83 | 3.00 | 11.50 | 33.5         |
| RLP28502                      |                         | 5 1/8   | -    | 28002                          | 3.79            | 14.97 | 3.00 | 11.64 | 33.2         |
| RLP28503                      |                         | 5 3/16  | -    | 28002                          | 3.79            | 14.97 | 3.00 | 11.64 | 33.2         |
| RLP28504                      |                         | 5 1/4   | -    | 28002                          | 3.79            | 14.97 | 3.00 | 11.64 | 33.2         |
| RLP28506                      |                         | 5 3/8   | -    | 28002                          | 3.79            | 14.97 | 3.00 | 11.64 | 33.2         |
| RLP28508                      |                         | 5 1/2   | -    | 28002                          | 4.05            | 15.23 | 3.00 | 11.90 | 33.5         |
| RLP28509                      |                         | 5 9/16  | -    | 28002                          | 4.05            | 15.23 | 3.00 | 11.90 | 33.5         |
| RLP28510                      |                         | 5 5/8   | -    | 28002                          | 4.05            | 15.23 | 3.00 | 11.90 | 33.5         |
| RLP28512                      |                         | 5 3/4   | -    | 28002                          | 4.05            | 15.23 | 3.00 | 11.90 | 33.5         |
| RLP28514                      |                         | 5 7/8   | -    | 28002                          | 4.22            | 15.48 | 3.00 | 12.15 | 34.5         |
| RLP28600                      |                         | 6       | -    | 28002                          | 4.22            | 15.48 | 3.00 | 12.15 | 34.5         |
| RLP28602                      |                         | 6 1/8   | -    | 28002                          | 4.22            | 15.48 | 3.00 | 12.15 | 34.5         |

# Optimum Torque Wrench and Pump Combinations



## Optimum Torque Wrench and Pump Combinations

For optimum speed and performance, Enerpac recommends the following system set-up with wrench-pump-hose combinations. For other combinations, consult your Enerpac bolting expert or your authorized Enerpac distributor.

### XC-Series, Battery-Powered Torque Wrench Pumps

The XC-Series Cordless Torque Wrench pump is ideal for maintenance applications in the PowerGen, Oil & Gas and MRO markets. This portable pump is perfect for remote locations, sites that do not have access to power or where trip hazards are a concern.

### PMU-Series, Electric Torque Wrenches

Portable lightweight pump with standard heat exchanger. Universal motor for high power-to-weight ratio. Generates full pressure on as little as 50% of the rated line voltage.

### TQ-700 Series Electric Wrench Pumps

Designed for both portability and production, the TQ-700 features optimized flow technology to deliver superior bolting speed.

### ZU4T-Series, Electric Wrench Pumps

Utilizing a universal motor, the ZU4-Series has excellent low voltage characteristics. It works well with long extension cords or generator-driven electrical power supplies.

### ZE4T, ZE5T-Series Electric Wrench Pumps

The ZE-Series features premium options, such as the LCD to display torque or pressure values, and self-diagnostics. These pumps utilize an induction motor, making the ZE-Series the coolest and quietest pumps in their class.

### ZA-Series Air Driven Torque Wrench Pump

Utilizing the highly efficient design of the Z-Class pumping element, this air driven pump is best suited to power medium to large size torque wrenches.

## Torque Wrench Pumps

|                     | ELECTRIC PUMPS                                                                      |                                                                                                                  |                                                                                     |                                                                                                                                                                                                                                |                                                                                                                      | AIR DRIVEN PUMPS                                                                      |
|---------------------|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|                     | XC-Series                                                                           | PMU-Series                                                                                                       | TQ-Series                                                                           | ZU4-Series                                                                                                                                                                                                                     | ZE-Series                                                                                                            | ZA4-Series                                                                            |
|                     |  |                               |  |                                                                                                                                            |                                 |  |
| Flow at 10,000 psi: | 15 in <sup>3</sup> /min                                                             | 20 in <sup>3</sup> /min                                                                                          | 30 in <sup>3</sup> /min                                                             | 60 in <sup>3</sup> /min                                                                                                                                                                                                        | 60-120 in <sup>3</sup> /min                                                                                          | 60 in <sup>3</sup> /min                                                               |
| Reservoir Capacity: | .5 Gallon                                                                           | .5 - 1 Gallon                                                                                                    | 1 Gallon                                                                            | 1 - 1.75 Gallon                                                                                                                                                                                                                | 1 - 10 Gallon                                                                                                        | 1 - 1.75 Gallon                                                                       |
| Weight:             |  |                               |  |                                                                                                                                           |                                 |  |
| Model Number:       | XC-1502TB <sup>1)</sup><br>XC-1502TE <sup>2)</sup>                                  | PMU-10427-Q <sup>1)</sup><br>PMU-10447-Q <sup>1)</sup><br>PMU-10422-Q <sup>2)</sup><br>PMU-10442-Q <sup>2)</sup> | TQ-700 B <sup>1)</sup><br>TQ-700 E <sup>2)</sup>                                    | ZU4204TB-Q <sup>1)</sup><br>ZU4208TB-Q <sup>1)</sup><br>ZU4204TE-Q <sup>2)</sup><br>ZU4208TE-Q <sup>2)</sup><br>ZU4204BB-QH <sup>1)</sup><br>ZU4204BB-Q <sup>1)</sup><br>ZU4208BE-QH <sup>2)</sup><br>ZU4204BE-Q <sup>2)</sup> | ZE4204TB-QHR <sup>1)</sup><br>ZE4204TE-QHR <sup>2)</sup><br>ZE4204TG-QHR <sup>3)</sup><br>ZE5204TW-QHR <sup>4)</sup> | ZA4208TX-QRU105<br>ZA4204TX-Q<br>ZA4208TX-Q<br>ZA4204TX-QR<br>ZA4208TX-QR             |

▼ Shown: RSL drive unit with interchangeable RLP—SL slimline cassette



## Setting New Standards in Simplicity, Versatility and Accuracy



### Torque Wrench Options and Accessories

Optional accessories are available for maximum versatility. Please contact your Enerpac representative to help you select the optimum solution for your application.

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### Simplicity

- Minimum nose radius for trouble-free tool fit which makes it uniquely equipped to access tight spaces
- Simple robust alloy steel design with three moving parts for reduced maintenance
- Proven to perform even in the harshest environments
- Reaction arm has a simple dial lock for rapid change
- Designed to give optimum strength to weight and torque to weight ratios

### Versatility

- Interchangeable cassette design
- Drive unit / hexagon cassette combination for limited height in line solutions
- Wide range of hexagon sizes available for all applications

### Accuracy

- Accuracy of +/-3%

### Ease of Use

- Few moving parts are easily accessible for quick field maintenance
- Innovative design that completely encloses all moving parts and minimizes pinch points



### Back-Up Spanner

To be used to stop back nut from turning during make up or break out. Two hex sizes in one tool.

| Hexagon Sizes (A/F) |           | Back-Up Spanner Model Number |
|---------------------|-----------|------------------------------|
| (in)                | (mm)      |                              |
| 1 1/16 - 1 1/4      | 27 - 32   | <b>BUS 01</b>                |
| 1 7/16 - 1 5/8      | 36 - 41   | <b>BUS 02</b>                |
| 1 13/16 - 2         | 46 - 50   | <b>BUS 03</b>                |
| 2 3/16 - 2 3/8      | 55 - 60   | <b>BUS 04</b>                |
| 2 9/16 - 2 3/4      | 65 - 70   | <b>BUS 05</b>                |
| 2 15/16 - 3 1/8     | 75 - 80   | <b>BUS 06</b>                |
| 3 1/2 - 3 7/8       | —         | <b>BUS 07</b>                |
| 4 1/4 - 4 5/8       | —         | <b>BUS 08</b>                |
| —                   | 85 - 90   | <b>BUS 09</b>                |
| 3 3/4 - 3 15/16     | 95 - 100  | <b>BUS 10</b>                |
| 4 1/8 - 4 15/16     | 105 - 110 | <b>BUS 11</b>                |
| —                   | 115 - 120 | <b>BUS 12</b>                |



### Torque Wrench Pumps

Visit [enerpac.com](http://enerpac.com) for system matched air and electric torque wrench pumps that are ideal for use with hydraulic torque wrenches.

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# Slimline Hexagon Cassettes



## Slimline Stepped-Width Cassettes

Accessing narrow spaces normally requires significantly reducing the width of the torque wrench. For the tool operator, this has always meant vastly reduced tool durability, and/or reduced torque output.

By using the highest-grade materials and perfecting the geometry, the RSL Slimline cassettes are able to provide greater torque, get into tighter spaces, and vastly outperform the competition in product durability.

## RSL Series



Hexagon Range:

**1 1/4 - 3 3/16 inches**

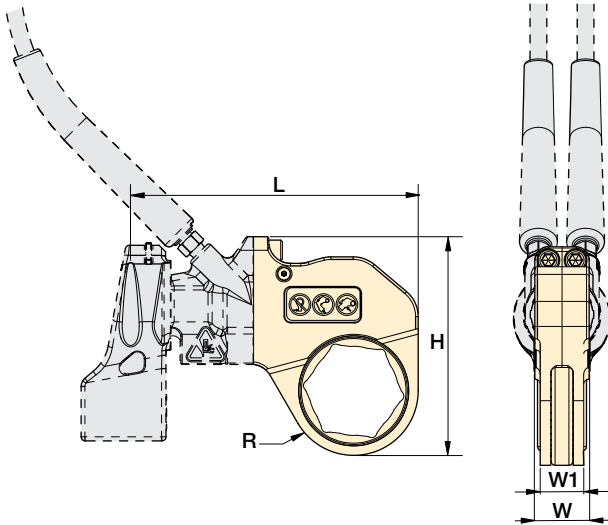
Maximum Operating Pressure:

**10,000 psi**



### Select the Right Torque

Choose your Enerpac Torque Wrench using the untightening rule of thumb: Loosening torque equals about 250% of tightening torque.



### ▼ SELECTION CHART

| Model Number | Drive Unit<br>(sold separately) | Maximum<br>AF Size |      | Maximum<br>Torque<br>Output | Dimensions (in) |      |      |       |      | Weight<br><br>(lbs) |
|--------------|---------------------------------|--------------------|------|-----------------------------|-----------------|------|------|-------|------|---------------------|
|              |                                 | (in)               | (mm) |                             | R               | L    | H    | W     | W1   |                     |
| RLP1104SL    | RSL1500                         | 1-1/4              | 31   | 375                         | 1.03            | 6.12 | 4.57 | 1.25  | 1.00 | 2.25                |
| RLP1107SL    |                                 | 1-7/16             | 36   | 658                         | 1.15            | 6.24 | 4.69 | 1.25  | 1.09 | 2.35                |
| RLP1110SL    |                                 | 1-5/8              | 41   | 831                         | 1.31            | 6.41 | 4.86 | 1.25  | 1.00 | 2.70                |
| RLP1113SL    |                                 | 1-13/16            | 46   | 831                         | 1.40            | 6.49 | 4.94 | 1.25  | 1.00 | 2.70                |
| RLP1200SL    |                                 | 2                  | 50   | 831                         | 1.48            | 6.58 | 5.03 | 1.25  | 1.00 | 2.70                |
| RLP3200SL    | RSL3000                         | 2                  | 50   | 1354                        | 1.60            | 8.04 | 5.92 | 1.376 | 1.13 | 4.50                |
| RLP3203SL    |                                 | 2-3/16             | 55   | 1604                        | 1.76            | 8.16 | 6.08 | 1.376 | 1.13 | 4.65                |
| RLP3206SL    |                                 | 2-3/8              | 60   | 1604                        | 1.84            | 8.25 | 6.15 | 1.376 | 1.13 | 4.77                |
| RLP3209SL    |                                 | 2-9/16             | 65   | 1604                        | 1.95            | 8.14 | 6.26 | 1.376 | 1.13 | 4.55                |
| RLP3212SL    |                                 | 2-3/4              | 69   | 1604                        | 2.04            | 8.23 | 6.36 | 1.376 | 1.13 | 4.43                |
| RLP3215SL    | RSL5000                         | 2-15/16            | 74   | 1604                        | 2.16            | 8.34 | 6.54 | 1.376 | 1.13 | 4.70                |
| RLP5212SL    |                                 | 2-3/4              | 69   | 4173                        | 2.16            | 9.63 | 7.07 | 1.75  | 1.62 | 7.52                |
| RLP5302SL    | RSL8000                         | 3-1/8              | 79   | 4173                        | 2.26            | 9.73 | 7.17 | 1.75  | 1.62 | 7.20                |
| RLP8203SL    |                                 | 2-3/16             | 55   | 2487                        | 1.71            | 9.37 | 6.84 | 2.25  | 2.00 | 8.45                |
| RLP8206SL    |                                 | 2-3/8              | 60   | 3198                        | 1.87            | 9.53 | 7.00 | 2.25  | 2.00 | 8.90                |
| RLP8209SL    |                                 | 2-9/16             | 65   | 4122                        | 2.01            | 9.67 | 7.13 | 2.25  | 2.00 | 8.95                |
| RLP8212SL    |                                 | 2-3/4              | 69   | 5587                        | 2.16            | 9.82 | 7.28 | 2.25  | 2.00 | 9.56                |
| RLP8215SL    |                                 | 2-15/16            | 75   | 5587                        | 2.24            | 9.90 | 7.36 | 2.25  | 2.00 | 9.62                |
| RLP8302SL    |                                 | 3-1/8              | 79   | 5587                        | 2.26            | 9.92 | 7.39 | 2.25  | 2.00 | 9.29                |
| RLP8303SL    |                                 | 3-3/16             | 80   | 4740                        | 2.26            | 9.92 | 7.39 | 2.25  | 2.00 | 9.29                |

▼ Shown: RSL drive unit with interchangeable RSQ square drive head



## Setting New Standards in Safety, Simplicity and Performance



### Torque Wrench Hoses

Use Enerpac THQ-700 Series hoses with RSL-Series torque wrenches to ensure the integrity of your hydraulic system.

|                         |                 |
|-------------------------|-----------------|
| 19.5 feet long, 2 hoses | <b>THQ-706T</b> |
| 39 feet long, 2 hoses   | <b>THQ-712T</b> |



### Torque Wrench Options and Accessories

Optional accessories are available for maximum versatility. Please contact your Enerpac representative to help you select the optimum solution for your application.

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### Safety and Performance

- Innovative design that completely encloses all moving parts and minimizes pinch points
- 30–35° of operating stroke provides added productivity while avoiding “tool lock on” which is common with some torque wrench designs

### Simplicity

- Simple robust design with just three moving parts for reduced maintenance
- Robust handles are available which mount on both sides and the tops of cassettes to allow for extra maneuverability
- Pull-type square drive release for quickly reversing the square drive for tightening or loosening

### Versatility

- Square Drive Sets available with Interchangeable Hexagon Cassettes
- Power head / square drive combination for flexible use with standard impact quality sockets
- Reaction arm has a simple dial lock for rapid change

### Accuracy

- Accuracy of +/-3%



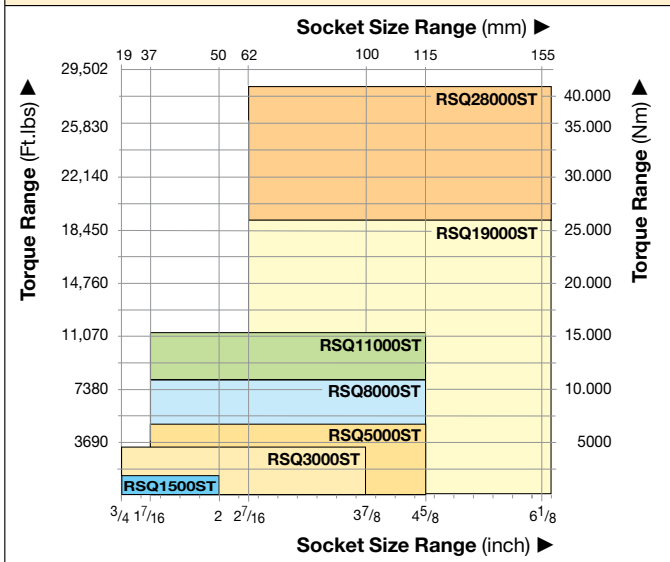
### Back-Up Spanner

To be used to stop back nut from turning during make up or break out. Two hex sizes in one tool.

| Hexagon Sizes (A/F)                                             |           | Back-Up Spanner Model Number |
|-----------------------------------------------------------------|-----------|------------------------------|
| (in)                                                            | (mm)      |                              |
| 1 <sup>1</sup> / <sub>16</sub> - 1 <sup>1</sup> / <sub>4</sub>  | 27 - 32   | <b>BUS 01</b>                |
| 1 <sup>7</sup> / <sub>16</sub> - 1 <sup>5</sup> / <sub>8</sub>  | 36 - 41   | <b>BUS 02</b>                |
| 1 <sup>13</sup> / <sub>16</sub> - 2                             | 46 - 50   | <b>BUS 03</b>                |
| 2 <sup>3</sup> / <sub>16</sub> - 2 <sup>3</sup> / <sub>8</sub>  | 55 - 60   | <b>BUS 04</b>                |
| 2 <sup>9</sup> / <sub>16</sub> - 2 <sup>3</sup> / <sub>4</sub>  | 65 - 70   | <b>BUS 05</b>                |
| 2 <sup>15</sup> / <sub>16</sub> - 3 <sup>1</sup> / <sub>8</sub> | 75 - 80   | <b>BUS 06</b>                |
| 3 <sup>1</sup> / <sub>2</sub> - 3 <sup>7</sup> / <sub>8</sub>   | –         | <b>BUS 07</b>                |
| 4 <sup>1</sup> / <sub>4</sub> - 4 <sup>5</sup> / <sub>8</sub>   | –         | <b>BUS 08</b>                |
| –                                                               | 85 - 90   | <b>BUS 09</b>                |
| 3 <sup>3</sup> / <sub>4</sub> - 3 <sup>15</sup> / <sub>16</sub> | 95 - 100  | <b>BUS 10</b>                |
| 4 <sup>1</sup> / <sub>8</sub> - 4 <sup>15</sup> / <sub>16</sub> | 105 - 110 | <b>BUS 11</b>                |
| –                                                               | 115 - 120 | <b>BUS 12</b>                |

# RSL-Series, Square Drive Torque Wrenches

\* TORQUE WRENCH SELECTION (based on socket size range)



See page 14 for BSH-Sockets.

## RSL Series



Maximum Torque Output:

**28,002 Ft.lbs**

Square Drive Range:

**3/4 - 2 1/2 inches**

Maximum Operating Pressure:

**10,000 psi**



### BSH-Series Sockets

Heavy-Duty Impact Sockets for power driven torquing equipment.

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### Select the Right Torque

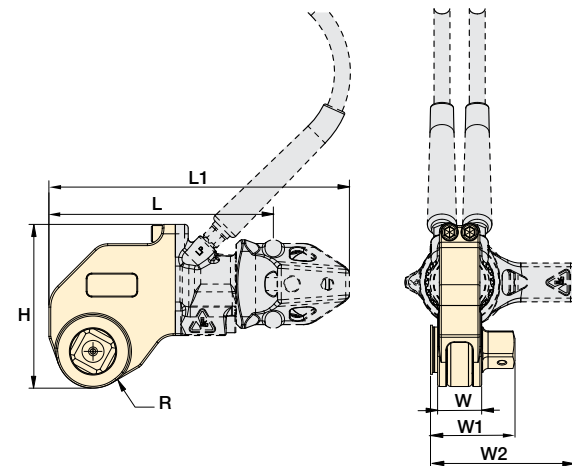
Choose your Enerpac Torque Wrench using the untightening rule of thumb: Loosening torque equals about 250% of tightening torque.



### Torque Wrench Pumps

Visit [enerpac.com](http://enerpac.com) for system matched air and electric torque wrench pumps that are ideal for use with hydraulic torque wrenches.

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### SELECTION CHART

| Maximum Torque Output |       | Square Drive Size (in) | Square Drive Head Model Numbers <sup>1)</sup> | Square Drive Torque Wrench Set Model Numbers <sup>2)</sup> | Dimensions (in) |      |       |       |       |       |      | Weight (lbs)                 |              |                   |
|-----------------------|-------|------------------------|-----------------------------------------------|------------------------------------------------------------|-----------------|------|-------|-------|-------|-------|------|------------------------------|--------------|-------------------|
| (ft-lbs)              | (Nm)  |                        |                                               |                                                            | W               | W1   | W2    | H     | L     | L1    | R    | Drive Unit (no reaction arm) | Reaction Arm | Square Drive Head |
| 1408                  | 1909  | 3/4                    | RSQ1500                                       | RSQ1500ST                                                  | 1.25            | 2.30 | 3.98  | 4.48  | 6.29  | 7.45  | 0.94 | 3.4                          | 1.0          | 2.8               |
| 3080                  | 4176  | 1                      | RSQ3000                                       | RSQ3000ST                                                  | 1.50            | 2.88 | 4.89  | 5.57  | 7.67  | 10.30 | 1.25 | 5.6                          | 2.2          | 5.2               |
| 5303                  | 7190  | 1-1/2                  | RSQ5000                                       | RSQ5000ST                                                  | 1.75            | 3.71 | 6.31  | 6.42  | 9.27  | 11.67 | 1.52 | 8.9                          | 4.0          | 9.1               |
| 7862                  | 10659 | 1-1/2                  | RSQ8000                                       | RSQ8000ST                                                  | 2.40            | 4.14 | 6.30  | 6.65  | 9.47  | 11.78 | 1.52 | 10.6                         | 4.3          | 11.6              |
| 11154                 | 15123 | 1-1/2                  | RSQ11000                                      | RSQ11000ST                                                 | 2.50            | 4.63 | 6.70  | 7.93  | 11.20 | 12.40 | 1.88 | 11.6                         | 6.6          | 18.4              |
| 18843                 | 25547 | 2-1/2                  | RSQ19000                                      | RSQ19000ST                                                 | 3.25            | 6.38 | 10.42 | 9.48  | 13.46 | 18.97 | 2.50 | 20.0                         | 15.7         | 28.9              |
| 28002                 | 37965 | 2-1/2                  | RSQ28000                                      | RSQ28000ST                                                 | 3.50            | 6.54 | 8.93  | 10.35 | 14.09 | 21.07 | 2.50 | 22.0                         | 11.1         | 39.3              |

<sup>1)</sup> When ordering an RSQ Square Drive Head the RSL Drive Unit must be ordered separately.

<sup>2)</sup> An RSQ....ST Torque Wrench Set includes a RSQ Square Drive Head, RSL Drive Unit with short Whip Hoses, and Reaction Arm

- Heavy-duty impact sockets
- Supplied with "Pin and Ring"

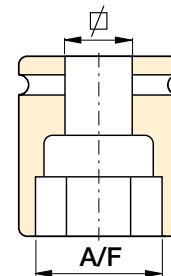
Hexagon Sizes:

**3/4 - 6 1/8 inches  
(19 - 155 mm)**



| IMPERIAL SOCKETS  |          |                 |          |              |          |                     |          |              |          |                     |          |              |          |
|-------------------|----------|-----------------|----------|--------------|----------|---------------------|----------|--------------|----------|---------------------|----------|--------------|----------|
| 3/4" Square Drive |          | 1" Square Drive |          |              |          | 1 1/2" Square Drive |          |              |          | 2 1/2" Square Drive |          |              |          |
| Model Number      | A/F (in) | Model Number    | A/F (in) | Model Number | A/F (in) | Model Number        | A/F (in) | Model Number | A/F (in) | Model Number        | A/F (in) | Model Number | A/F (in) |
| BSH7519           | 3/4"     | BSH1019         | 3/4"     | BSH10231     | 2 5/16"  | BSH15144            | 1 7/16"  | BSH15281     | 2 13/16" | BSH25244            | 2 7/16"  | BSH25419     | 4 3/16"  |
| BSH75088          | 7/8"     | BSH10088        | 7/8"     | BSH10238     | 2 3/8"   | BSH1538             | 1 1/2"   | BSH15288     | 2 7/8"   | BSH25250            | 2 1/2"   | BSH25425     | 4 1/4"   |
| BSH75094          | 15/16"   | BSH10094        | 15/16"   | BSH10244     | 2 7/16"  | BSH15156            | 1 9/16"  | BSH1575      | 2 15/16" | BSH2565             | 2 9/16"  | BSH25110     | 4 5/16"  |
| BSH7527           | 1 1/16"  | BSH1027         | 1 1/16"  | BSH10250     | 2 1/2"   | BSH15163            | 1 5/8"   | BSH15300     | 3"       | BSH25263            | 2 5/8"   | BSH25438     | 4 3/8"   |
| BSH7530           | 1 3/16"  | BSH1030         | 1 3/16"  | BSH1065      | 2 9/16"  | BSH1543             | 1 11/16" | BSH15306     | 3 1/16"  | BSH25269            | 2 11/16" | BSH25450     | 4 1/2"   |
| BSH75125          | 1 1/4"   | BSH10125        | 1 1/4"   | BSH10263     | 2 5/8"   | BSH15175            | 1 3/4"   | BSH15313     | 3 1/8"   | BSH2570             | 2 3/4"   | BSH25463     | 4 5/8"   |
| BSH75131          | 1 5/16"  | BSH10131        | 1 5/16"  | BSH10269     | 2 11/16" | BSH1546             | 1 13/16" | BSH15319     | 3 3/16"  | BSH25281            | 2 13/16" | BSH25475     | 4 3/4"   |
| BSH7535           | 1 3/8"   | BSH1035         | 1 3/8"   | BSH1070      | 2 3/4"   | BSH15188            | 1 7/8"   | BSH15325     | 3 1/4"   | BSH25288            | 2 7/8"   | BSH25488     | 4 7/8"   |
| BSH75144          | 1 7/16"  | BSH10144        | 1 7/16"  | BSH10281     | 2 13/16" | BSH15194            | 1 15/16" | BSH15338     | 3 3/8"   | BSH2575             | 2 15/16" | BSH25500     | 5"       |
| BSH7538           | 1 1/2"   | BSH1038         | 1 1/2"   | BSH10288     | 2 7/8"   | BSH15200            | 2"       | BSH15350     | 3 1/2"   | BSH25300            | 3"       | BSH25513     | 5 1/8"   |
| BSH75156          | 1 9/16"  | BSH10156        | 1 9/16"  | BSH1075      | 2 15/16" | BSH15206            | 2 1/16"  | BSH15363     | 3 5/8"   | BSH25306            | 3 1/16"  | BSH25519     | 5 3/16"  |
| BSH75163          | 1 5/8"   | BSH10163        | 1 5/8"   | BSH10300     | 3"       | BSH15213            | 2 1/8"   | BSH1595      | 3 3/4"   | BSH25313            | 3 1/8"   | BSH25525     | 5 1/4"   |
| BSH7543           | 1 11/16" | BSH1043         | 1 11/16" | BSH10306     | 3 1/16"  | BSH15219            | 2 3/16"  | BSH15388     | 3 7/8"   | BSH25319            | 3 3/16"  | BSH25538     | 5 3/8"   |
| BSH75175          | 1 3/4"   | BSH10175        | 1 3/4"   | BSH10313     | 3 1/8"   | BSH15225            | 2 1/4"   | BSH15100     | 3 15/16" | BSH25325            | 3 1/4"   | BSH25140     | 5 1/2"   |
| BSH7546           | 1 13/16" | BSH1046         | 1 13/16" | BSH10319     | 3 3/16"  | BSH15231            | 2 5/16"  | BSH15400     | 4"       | BSH25338            | 3 3/8"   | BSH25575     | 5 3/4"   |
| BSH75188          | 1 7/8"   | BSH10188        | 1 7/8"   | BSH10325     | 3 1/4"   | BSH15238            | 2 3/8"   | BSH15105     | 4 1/8"   | BSH25350            | 3 1/2"   | BSH25150     | 5 7/8"   |
| BSH75194          | 1 15/16" | BSH10194        | 1 15/16" | BSH10338     | 3 3/8"   | BSH15244            | 2 7/16"  | BSH15419     | 4 3/16"  | BSH25363            | 3 5/8"   | BSH25600     | 6"       |
| BSH75200          | 2"       | BSH10200        | 2"       | BSH10350     | 3 1/2"   | BSH15250            | 2 1/2"   | BSH15425     | 4 1/4"   | BSH2595             | 3 3/4"   | BSH25613     | 6 1/8"   |
|                   |          | BSH10206        | 2 1/16"  | BSH10363     | 3 5/8"   | BSH1565             | 2 9/16"  | BSH15110     | 4 5/16"  | BSH25388            | 3 7/8"   |              |          |
|                   |          | BSH10213        | 2 1/8"   | BSH1095      | 3 3/4"   | BSH15263            | 2 5/8"   | BSH15438     | 4 3/8"   | BSH25100            | 3 15/16" |              |          |
|                   |          | BSH10219        | 2 3/16"  | BSH10388     | 3 7/8"   | BSH15269            | 2 11/16" | BSH15450     | 4 1/2"   | BSH25400            | 4"       |              |          |
|                   |          | BSH10225        | 2 1/4"   |              |          | BSH1570             | 2 3/4"   | BSH15463     | 4 5/8"   | BSH25105            | 4 1/8"   |              |          |

| METRIC SOCKETS    |          |                 |          |                     |          |                     |          |
|-------------------|----------|-----------------|----------|---------------------|----------|---------------------|----------|
| 3/4" Square Drive |          | 1" Square Drive |          | 1 1/2" Square Drive |          | 2 1/2" Square Drive |          |
| Model Number      | A/F (mm) | Model Number    | A/F (mm) | Model Number        | A/F (mm) | Model Number        | A/F (mm) |
| BSH7519           | 19       | BSH1019         | 19       | BSH1536             | 36       | BSH2565             | 65       |
| BSH7524           | 24       | BSH1024         | 24       | BSH15163            | 41       | BSH2570             | 70       |
| BSH7527           | 27       | BSH1027         | 27       | BSH1546             | 46       | BSH2575             | 75       |
| BSH7530           | 30       | BSH1030         | 30       | BSH1550             | 50       | BSH2580             | 80       |
| BSH7532           | 32       | BSH1032         | 32       | BSH1555             | 55       | BSH2585             | 85       |
| BSH7536           | 36       | BSH1036         | 36       | BSH1560             | 60       | BSH2590             | 90       |
| BSH75163          | 41       | BSH10163        | 41       | BSH1565             | 65       | BSH2595             | 95       |
| BSH7546           | 46       | BSH1046         | 46       | BSH1570             | 70       | BSH25100            | 100      |
| BSH7550           | 50       | BSH1050         | 50       | BSH1575             | 75       | BSH25105            | 105      |
|                   |          | BSH1055         | 55       | BSH1580             | 80       | BSH25110            | 110      |
|                   |          | BSH1060         | 60       | BSH1585             | 85       | BSH25115            | 115      |
|                   |          | BSH1065         | 65       | BSH1590             | 90       | BSH25120            | 120      |
|                   |          | BSH1070         | 70       | BSH1595             | 95       | BSH25125            | 125      |
|                   |          | BSH1075         | 75       | BSH15100            | 100      | BSH25135            | 135      |
|                   |          | BSH1080         | 80       | BSH15105            | 105      | BSH25140            | 140      |
|                   |          | BSH1085         | 85       | BSH15110            | 110      | BSH25145            | 145      |
|                   |          | BSH1090         | 90       | BSH15115            | 115      | BSH25150            | 150      |
|                   |          | BSH1095         | 95       |                     |          | BSH25155            | 155      |
|                   |          | BSH10100        | 100      |                     |          |                     |          |



### Pin and Ring

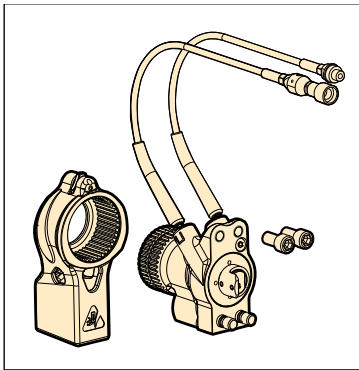
All sockets are supplied with a "Pin and Ring" to hold the socket in place on the square drive of the tool.



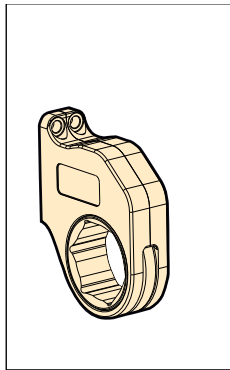
### Select the Right Torque

Choose your Enerpac Torque Wrench using the untightening rule of thumb: Loosening torque equals about 250% of tightening torque.

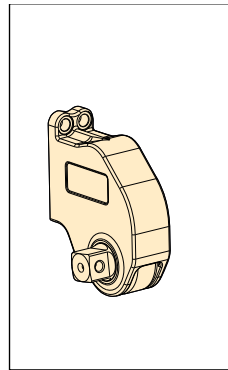
# Options and Accessories



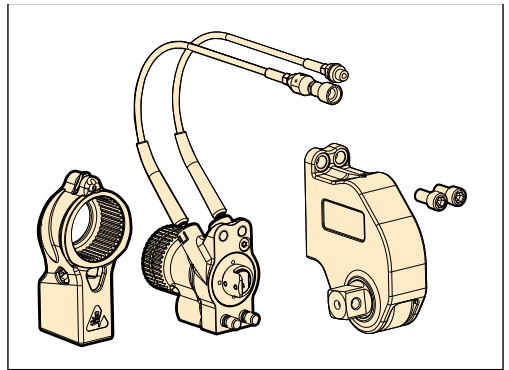
RSL



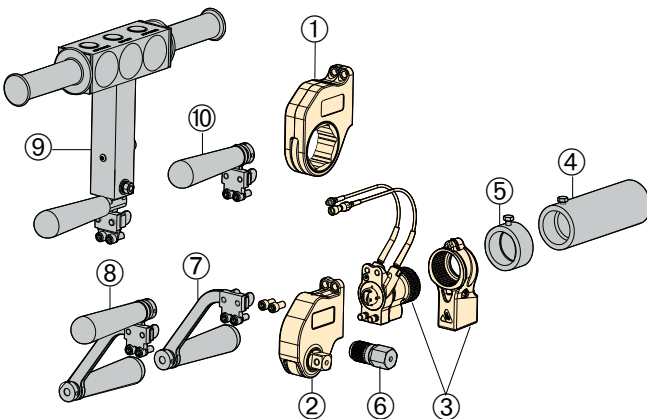
RLP... / RLP...SL



RSQ



RSQ...ST



- ① Hexagon Cassette
- ② Square Drive Head
- ③ Drive Unit and Reaction Arm

## Optional Parts\*

- ④ Reaction Tube
- ⑤ Reaction Cover - Spline
- ⑥ Hex Bit
- ⑦ Handle (Single) for Square Drive Head
- ⑧ Handle (Dual) for Square Drive Head
- ⑨ Safe T™
- ⑩ Handle (Single) for Hexagon Cassette

\* Optional parts only available per request.



## Bolting Integrity Software

A comprehensive on-line software solution for Bolted Joint Integrity.

Integral databases hold data for:

- BS1560, MSS SP44, API 6A and 17D flanged joints
- Common gasket materials and configurations
- Comprehensive range of bolt materials
- Comprehensive range of lubricants
- Enerpac's Controlled Bolting Equipment including: Torque Multipliers, Hydraulic Wrenches and Bolt Tensioning tools

## Custom Joint information can also be entered.

The software offers Tool selection, Bolt Load calculations and Tool pressure settings, as well as a combined Application data sheet and Joint completion report.

Visit [www.enerpac.com](http://www.enerpac.com) to access our free on-line bolting software application and obtain information on tool selection, bolt load calculations and tool pressure settings. A combined application data sheet and joint completion report is also available.



# BOLTING SOLUTIONS

Enerpac's comprehensive range of bolting equipment provides precise and effective force to make your work more productive, safer, and easier to perform. The best solutions for controlled tightening, joint integrity and more, available from one source.

## Controlled Tightening and Loosening



Pneumatic and  
Electric Wrenches



Hydraulic Torque Wrenches:  
Square Drive, Low Profile,  
Ultra Slim



Electric Torque  
Wrench Pumps



Pneumatic Torque  
Wrench Pumps



Cordless Torque  
Wrench Pump



Manual Torque Multipliers

## Tensioning Tools



Power Generation  
Bolt Tensioners



General Purpose  
Bolt Tensioners



Electric Tensioning  
Pumps



Pneumatic Tensioning  
Pumps



High-Pressure  
Hand Pumps

## Joint Assembly & Joint Separation



Hydraulic Nut Cutters  
and Nut Splitters



Step-Type Spreaders



Flange Alignment Tools



Flange Spreaders



Mechanical Flange  
Face Tool

[www.enerpac.com](http://www.enerpac.com)

### Enerpac Worldwide Locations

For a complete list of addresses see:  
[www.enerpac.com/en/enerpac-locations](http://www.enerpac.com/en/enerpac-locations)  
User Inquiries: 800-433-2766  
Distributor Inquiries: 800-558-0530

*Your Enerpac Distributor:*

Bolting Systems & Services Inc.  
412-217-8932  
[Brian@Martinelli.com](mailto:Brian@Martinelli.com)

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