

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

One Drive, Two Tools



**ENERPAC** 

▼ RSL-Drive Units with interchangeable RLP-Hexagon Cassette and RSQ-Square Drive 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° rotation angle 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
- Robust handles are available for both sides and the tops of cassettes to allow for extra maneuverability
- 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 Spanners

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

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



### Torque Pumps

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

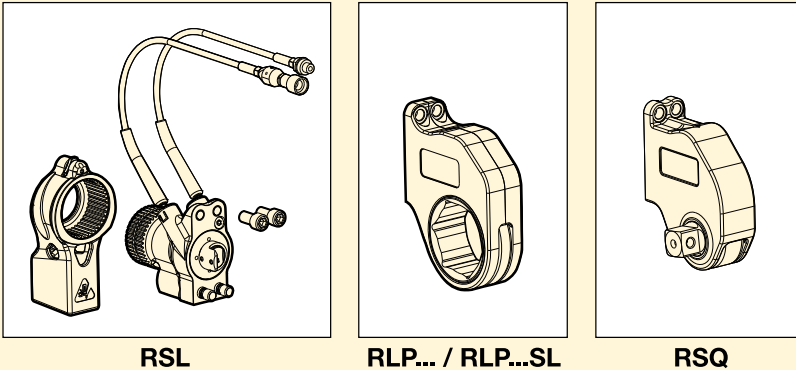
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# Drive Units for Hexagon & Square Drive Cassettes



## One Drive, Two Tools

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

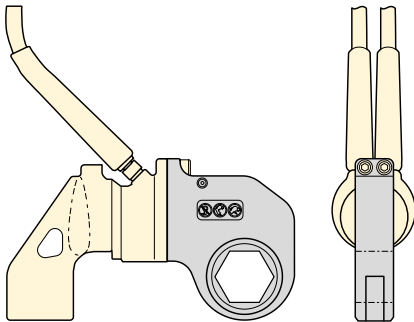


RSL

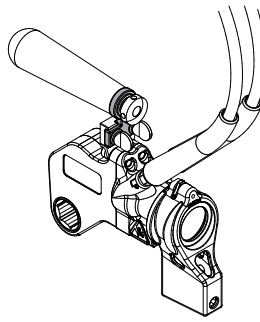
RLP... / RLP...SL

RSQ

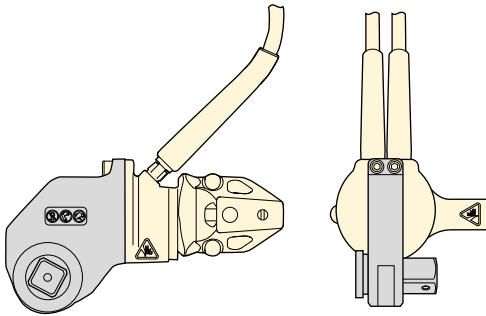
### ▼ RSL-Torque Wrench Drive Unit shown with RLP-Low Profile Hexagon Cassette



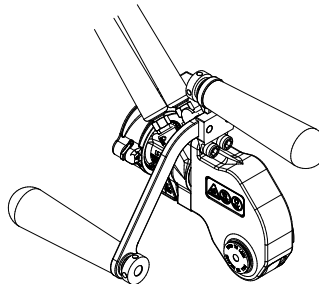
▼ Contact Enerpac for optional handles.



### ▼ RSL-Torque Wrench Drive Unit shown with RSQ-Square Drive Cassette



▼ Contact Enerpac for optional handles.



### ▼ SELECTION CHART

Hexagon Cassette Range (A/F) (see pages 4 - 8 for sizes and model numbers)		Drive Unit Model Number	Maximum Torque Output		kg
(inch)	(mm)		(Ft.lbs)	(Nm)	
7/8 - 2 3/8	26 - 60	<b>RSL 1500</b>	1408	1909	1,6
1 1/4 - 2 15/16	32 - 74	<b>RSL3000</b>	3080	4176	2,6
2 - 3 1/8	50 - 80	<b>RSL5000</b>	5303	7190	4,1
2 3/16 - 3 1/8	55 - 80	<b>RSL8000</b>	7862	10.659	4,9
2 9/16 - 4 5/8	65 - 117	<b>RSL11000</b>	11.154	15.123	5,3
3 1/8 - 4 5/8	80 - 117	<b>RSL19000</b>	18.843	25.547	9,1
3 1/2 - 6 1/8	89 - 155	<b>RSL28000</b>	28.002	37.965	10,0

## RSL Series



Maximum Torque at 690 bar:  
**1909 - 37.965 Nm**

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

Hexagon Range:  
**26 - 155 mm**

Maximum Operating Pressure:  
**690 bar**



### 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.

2 m long, 2 hoses	<b>THQ-702T</b>
6 m long, 2 hoses	<b>THQ-706T</b>
12 m long, 2 hoses	<b>THQ-712T</b>



### RLP-Low Profile Hexagon Cassettes

For the metric and imperial hexagon cassettes see:

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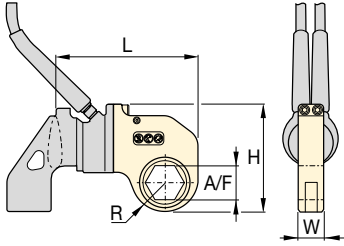
### RSQ-Square Drive Cassettes

RSQ-Square Drive Cassettes are interchangeable with the RLP-Hexagon Cassettes. They all use the same RSL-drive unit.

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# Hexagon Cassettes for RSL-Series

**ENERPAC** 



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



Hexagon Range:  
**26 - 155 mm**

Maximum Operating Pressure:  
**690 bar**

**RSL Series**



▼ **SELECTION CHART**

Drive Unit Model Number	Hexagon Size A/F		Hexagon Cassette Model Number	Maximum Torque		Dimensions (inch)					Dimensions (mm)				
	(inch)	(mm)		(Ft.lbs)	(Nm)	R	L	W	H		(lbs)	R	L	W	
<b>RSL1500</b>	7/8	-	<b>RLP1014</b>	320	434	0.79	6.00	1.25	4.33	2.2	20,1	152,4	31,8	110,0	1,0
	1 1/16	<b>26</b>	<b>RLP1101</b>	640	868	0.95	6.05	1.25	4.50	2.2	24,1	153,7	31,8	114,3	1,0
	1 1/8	-	<b>RLP1102</b>	640	868	1.03	6.12	1.25	4.57	2.3	26,2	155,4	31,8	116,1	1,0
	1 3/16	<b>30</b>	<b>RLP1103</b>	640	868	1.03	6.12	1.25	4.57	2.3	26,2	155,4	31,8	116,1	1,0
	1 1/4	<b>32</b>	<b>RLP1104</b>	640	868	1.03	6.12	1.25	4.57	2.3	26,2	155,4	31,8	116,1	1,0
	1 5/16	<b>33</b>	<b>RLP1105</b>	900	1220	1.15	6.24	1.25	4.69	2.4	29,2	158,5	31,8	119,1	1,1
	1 3/8	<b>35</b>	<b>RLP1106</b>	900	1220	1.15	6.24	1.25	4.69	2.4	29,2	158,5	31,8	119,1	1,1
	1 7/16	<b>36</b>	<b>RLP1107</b>	900	1220	1.15	6.24	1.25	4.69	2.4	29,2	158,5	31,8	119,1	1,1
	1 1/2	<b>38</b>	<b>RLP1108</b>	1408	1909	1.31	6.41	1.25	4.86	2.7	33,3	162,8	31,8	123,4	1,2
	1 9/16	-	<b>RLP1109</b>	1408	1909	1.31	6.41	1.25	4.86	2.7	33,3	162,8	31,8	123,4	1,2
	1 5/8	<b>41</b>	<b>RLP1110</b>	1408	1909	1.31	6.41	1.25	4.86	2.7	33,3	162,8	31,8	123,4	1,2
	1 11/16	-	<b>RLP1111</b>	1408	1909	1.40	6.49	1.25	4.94	2.7	35,6	164,8	31,8	125,5	1,2
	1 3/4	-	<b>RLP1112</b>	1408	1909	1.40	6.49	1.25	4.94	2.7	35,6	164,8	31,8	125,5	1,2
	1 13/16	<b>46</b>	<b>RLP1113</b>	1408	1909	1.40	6.49	1.25	4.94	2.7	35,6	164,8	31,8	125,5	1,2
	1 7/8	-	<b>RLP1114</b>	1408	1909	1.48	6.58	1.25	5.03	2.7	37,6	167,1	31,8	127,8	1,2
	1 9/16	-	<b>RLP1115</b>	1408	1909	1.48	6.58	1.25	5.03	2.7	37,6	167,1	31,8	127,8	1,2
	2	<b>50</b>	<b>RLP1200</b>	1408	1909	1.48	6.58	1.25	5.03	2.7	37,6	167,1	31,8	127,8	1,2
	2 1/16	-	<b>RLP1201</b>	1408	1909	1.58	6.68	1.25	5.13	2.7	40,1	169,7	31,8	130,3	1,2
	2 1/8	-	<b>RLP1202</b>	1408	1909	1.58	6.68	1.25	5.13	2.7	40,1	169,7	31,8	130,3	1,2
	2 3/16	<b>55</b>	<b>RLP1203</b>	1408	1909	1.58	6.68	1.25	5.13	2.7	40,1	169,7	31,8	130,3	1,2
2 1/4	-	<b>RLP1204</b>	1408	1909	1.70	6.79	1.25	5.24	2.8	43,2	172,5	31,8	133,1	1,3	
2 5/16	-	<b>RLP1205</b>	1408	1909	1.70	6.79	1.25	5.24	2.8	43,2	172,5	31,8	133,1	1,3	
2 3/8	<b>60</b>	<b>RLP1206</b>	1408	1909	1.70	6.79	1.25	5.24	2.8	43,2	172,5	31,8	133,1	1,3	
<b>RSL3000</b>	1 5/16	<b>33</b>	<b>RLP3105</b>	900	1220	1.18	7.62	1.38	5.49	3.5	30,0	193,5	35,1	139,4	1,6
	1 3/8	<b>35</b>	<b>RLP3106</b>	900	1220	1.18	7.62	1.38	5.49	3.5	30,0	193,5	35,1	139,4	1,6
	1 7/16	<b>36</b>	<b>RLP3107</b>	900	1220	1.18	7.62	1.38	5.49	3.5	30,0	193,5	35,1	139,4	1,6
	1 1/2	<b>38</b>	<b>RLP3108</b>	1200	1627	1.32	7.77	1.38	5.63	3.9	33,5	197,4	35,1	143,0	1,8
	1 9/16	-	<b>RLP3109</b>	1200	1627	1.32	7.77	1.38	5.63	3.9	33,5	197,4	35,1	143,0	1,8
	1 5/8	<b>41</b>	<b>RLP3110</b>	1200	1627	1.32	7.77	1.38	5.63	3.9	33,5	197,4	35,1	143,0	1,8
	1 11/16	-	<b>RLP3111</b>	1900	2576	1.47	7.87	1.38	5.78	4.0	37,3	199,9	35,1	146,8	1,8
	1 3/4	-	<b>RLP3112</b>	1900	2576	1.47	7.87	1.38	5.78	4.0	37,3	199,9	35,1	146,8	1,8
	1 13/16	<b>46</b>	<b>RLP3113</b>	1900	2576	1.47	7.87	1.38	5.78	4.0	37,3	199,9	35,1	146,8	1,8
	1 7/8	-	<b>RLP3114</b>	2600	3526	1.60	8.04	1.38	5.92	4.5	40,6	204,2	35,1	150,4	2,0
	1 15/16	-	<b>RLP3115</b>	2600	3526	1.60	8.04	1.38	5.92	4.5	40,6	204,2	35,1	150,4	2,0
	2	<b>50</b>	<b>RLP3200</b>	2600	3526	1.60	8.04	1.38	5.92	4.5	40,6	204,2	35,1	150,4	2,0
	2 1/16	-	<b>RLP3201</b>	3080	4176	1.76	8.16	1.38	6.08	4.7	44,7	207,3	35,1	154,4	2,1
	2 1/8	-	<b>RLP3202</b>	3080	4176	1.76	8.16	1.38	6.08	4.7	44,7	207,3	35,1	154,4	2,1
	2 3/16	<b>55</b>	<b>RLP3203</b>	3080	4176	1.76	8.16	1.38	6.08	4.7	44,7	207,3	35,1	154,4	2,1
	2 1/4	-	<b>RLP3204</b>	3080	4176	1.84	8.25	1.38	6.15	4.8	46,7	209,6	35,1	156,2	2,2
	2 5/16	-	<b>RLP3205</b>	3080	4176	1.84	8.25	1.38	6.15	4.8	46,7	209,6	35,1	156,2	2,2
	2 3/8	<b>60</b>	<b>RLP3206</b>	3080	4176	1.84	8.25	1.38	6.15	4.8	46,7	209,6	35,1	156,2	2,2
	2 7/16	<b>62</b>	<b>RLP3207</b>	3080	4176	1.95	8.14	1.38	6.26	4.6	49,5	206,8	35,1	159,0	2,1
	2 1/2	<b>63</b>	<b>RLP3208</b>	3080	4176	1.95	8.14	1.38	6.26	4.6	49,5	206,8	35,1	159,0	2,1
2 9/16	<b>65</b>	<b>RLP3209</b>	3080	4176	1.95	8.14	1.38	6.26	4.6	49,5	206,8	35,1	159,0	2,1	
2 5/8	-	<b>RLP3210</b>	3080	4176	2.04	8.23	1.38	6.36	4.4	51,8	209,0	35,1	161,5	2,0	
2 11/16	-	<b>RLP3211</b>	3080	4176	2.04	8.23	1.38	6.36	4.4	51,8	209,0	35,1	161,5	2,0	
2 3/4	<b>70</b>	<b>RLP3212</b>	3080	4176	2.04	8.23	1.38	6.36	4.4	51,8	209,0	35,1	161,5	2,0	
2 13/16	-	<b>RLP3213</b>	3080	4176	2.16	8.34	1.38	6.54	4.7	54,9	211,8	35,1	166,1	2,1	
2 7/8	-	<b>RLP3214</b>	3080	4176	2.16	8.34	1.38	6.54	4.7	54,9	211,8	35,1	166,1	2,1	
2 15/16	<b>75</b>	<b>RLP3215</b>	3080	4176	2.16	8.34	1.38	6.54	4.7	54,9	211,8	35,1	166,1	2,1	

**IMPORTANT:** RSL-drive units must be ordered separately to operate the RLP-Hexagon Cassettes.

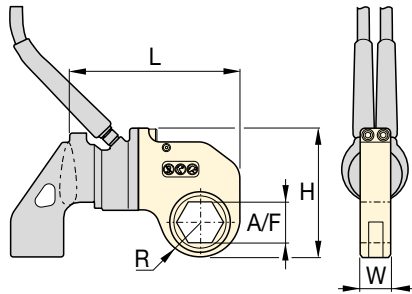
# Hexagon Cassettes for RSL-Series

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

Hexagon Range:  
**26 - 155 mm**

Maximum Operating Pressure:  
**690 bar**

**RSL Series**



### Slimline Stepped-Width Hexagon Cassettes

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

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## ▼ SELECTION CHART

Drive Unit Model Number	Hexagon Size A/F		Hexagon Cassette Model Number	Maximum Torque		Dimensions (inch)				⚖️ (lbs)	Dimensions (mm)				⚖️ (kg)
	(inch)	(mm)		(Ft.lbs)	(Nm)	R	L	W	H		R	L	W	H	
RSL5000	1 11/16	-	RLP5111	2600	3526	1.61	9.08	1.75	6.52	6.6	40,9	230,6	44,5	165,6	3,0
	1 3/4	-	RLP5112	2600	3526	1.61	9.08	1.75	6.52	6.6	40,9	230,6	44,5	165,6	3,0
	1 13/16	46	RLP5113	2600	3526	1.61	9.08	1.75	6.52	6.6	40,9	230,6	44,5	165,6	3,0
	1 7/8	-	RLP5114	2600	3526	1.61	9.08	1.75	6.52	6.6	40,9	230,6	44,5	165,6	3,0
	1 15/16	-	RLP5115	2600	3526	1.61	9.08	1.75	6.52	6.6	40,9	230,6	44,5	165,6	3,0
	2	50	RLP5200	2600	3526	1.61	9.08	1.75	6.52	6.6	40,9	230,6	44,5	165,6	3,0
	2 1/16	-	RLP5201	3500	4746	1.71	9.18	1.75	6.62	6.5	43,4	233,2	44,5	168,1	2,9
	2 1/8	-	RLP5202	3500	4746	1.71	9.18	1.75	6.62	6.5	43,4	233,2	44,5	168,1	2,9
	2 3/16	55	RLP5203	3500	4746	1.71	9.18	1.75	6.62	6.5	43,4	233,2	44,5	168,1	2,9
	2 1/4	-	RLP5204	4500	6102	1.87	9.34	1.75	6.78	7.0	47,5	237,2	44,5	172,2	3,2
	2 5/16	-	RLP5205	4500	6102	1.87	9.34	1.75	6.78	7.0	47,5	237,2	44,5	172,2	3,2
	2 3/8	60	RLP5206	4500	6102	1.87	9.34	1.75	6.78	7.0	47,5	237,2	44,5	172,2	3,2
	2 7/16	62	RLP5207	5303	7191	2.01	9.48	1.75	6.92	7.0	51,1	240,8	44,5	175,8	3,2
	2 1/2	63	RLP5208	5303	7191	2.01	9.48	1.75	6.92	7.0	51,1	240,8	44,5	175,8	3,2
	2 9/16	65	RLP5209	5303	7191	2.01	9.48	1.75	6.92	7.0	51,1	240,8	44,5	175,8	3,2
	2 5/8	-	RLP5210	5303	7191	2.16	9.63	1.75	7.07	7.5	54,9	244,6	44,5	179,6	3,4
	2 11/16	-	RLP5211	5303	7191	2.16	9.63	1.75	7.07	7.5	54,9	244,6	44,5	179,6	3,4
	2 3/4	70	RLP5212	5303	7191	2.16	9.63	1.75	7.07	7.5	54,9	244,6	44,5	179,6	3,4
	2 13/16	-	RLP5213	5303	7191	2.24	9.71	1.75	7.15	7.5	56,9	246,6	44,5	181,6	3,4
	2 7/8	-	RLP5214	5303	7191	2.24	9.71	1.75	7.15	7.5	56,9	246,6	44,5	181,6	3,4
2 15/16	75	RLP5215	5303	7191	2.24	9.71	1.75	7.15	7.5	56,9	246,6	44,5	181,6	3,4	
RSL8000	3	-	RLP5300	5303	7191	2.26	9.73	1.75	7.17	7.2	57,4	247,1	44,5	182,1	3,3
	3 1/16	-	RLP5301	5303	7191	2.26	9.73	1.75	7.17	7.2	57,4	247,1	44,5	182,1	3,3
	3 1/8	80	RLP5302	5303	7191	2.26	9.73	1.75	7.17	7.2	57,4	247,1	44,5	182,1	3,3
	2 5/8	60	RLP8206	4500	6102	1.87	9.53	2.25	7.00	8.9	47,5	242,1	57,2	177,8	4,0
	2 7/16	62	RLP8207	5800	7865	2.01	9.67	2.25	7.13	9.0	51,1	245,6	57,2	181,1	4,1
	2 1/2	63	RLP8208	5800	7865	2.01	9.67	2.25	7.13	9.0	51,1	245,6	57,2	181,1	4,1
	2 9/16	65	RLP8209	5800	7865	2.01	9.67	2.25	7.13	9.0	51,1	245,6	57,2	181,1	4,1
	2 5/8	-	RLP8210	7862	10.661	2.16	9.82	2.25	7.28	9.6	54,9	249,4	57,2	184,9	4,4
	2 11/16	-	RLP8211	7862	10.661	2.16	9.82	2.25	7.28	9.6	54,9	249,4	57,2	184,9	4,4
	2 3/4	70	RLP8212	7862	10.661	2.16	9.82	2.25	7.28	9.6	54,9	249,4	57,2	184,9	4,4
	2 13/16	-	RLP8213	7862	10.661	2.24	9.90	2.25	7.38	9.6	56,9	251,5	57,2	187,5	4,4
	2 7/8	-	RLP8214	7862	10.661	2.24	9.90	2.25	7.38	9.6	56,9	251,5	57,2	187,5	4,4
	2 15/16	75	RLP8215	7862	10.661	2.24	9.90	2.25	7.38	9.6	56,9	251,5	57,2	187,5	4,4
	3	-	RLP8300	7862	10.661	2.26	9.92	2.25	7.39	9.3	57,4	252,0	57,2	187,7	4,2
3 1/16	-	RLP8301	7862	10.661	2.26	9.92	2.25	7.39	9.3	57,4	252,0	57,2	187,7	4,2	
3 1/8	80	RLP8302	7862	10.661	2.26	9.92	2.25	7.39	9.3	57,4	252,0	57,2	187,7	4,2	

**IMPORTANT:** RSL-drive units must be ordered separately to operate the RLP-Hexagon Cassettes.



# Hexagon Cassettes for RSL-Series

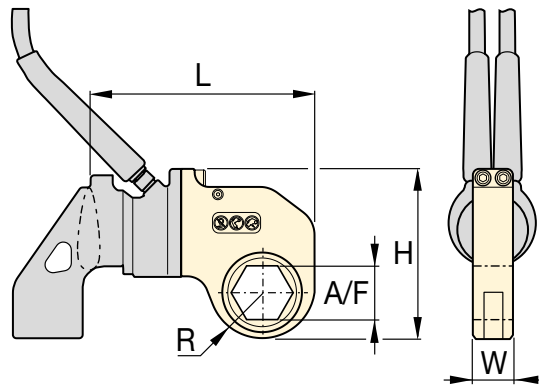
**ENERPAC** 

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



Hexagon Range:  
**26 - 155 mm**

Maximum Operating Pressure:  
**690 bar**

**RSL Series**



▼ **SELECTION CHART**

Drive Unit Model Number	Hexagon Size A/F		Hexagon Cassette Model Number	Maximum Torque		Dimensions (inch)					Dimensions (mm)				
	(inch)	(mm)		(Ft.lbs)	(Nm)	R	L	W	H		(lbs)	R	L	W	
RSL11000	2 7/16	62	RLP11207	5800	7865	1.98	10.00	2.50	8.03	14.2	50,3	254,0	63,5	204,0	6,4
	2 1/2	-	RLP11208	5800	7865	1.98	10.00	2.50	8.03	14.2	50,3	254,0	63,5	204,0	6,4
	2 9/16	65	RLP11209	5800	7865	1.98	10.00	2.50	8.03	14.2	50,3	254,0	63,5	204,0	6,4
	2 5/8	-	RLP11210	7300	9899	2.19	11.20	2.50	8.23	14.8	55,6	284,5	63,5	209,0	6,7
	2 1 1/16	-	RLP11211	7300	9899	2.19	11.20	2.50	8.23	14.8	55,6	284,5	63,5	209,0	6,7
	2 3/4	70	RLP11212	7300	9899	2.19	11.20	2.50	8.23	14.8	55,6	284,5	63,5	209,0	6,7
	2 13/16	-	RLP11213	9000	12.204	2.29	11.31	2.50	8.34	14.8	58,2	287,3	63,5	211,8	6,7
	2 7/8	-	RLP11214	9000	12.204	2.29	11.31	2.50	8.34	14.8	58,2	287,3	63,5	211,8	6,7
	2 15/16	75	RLP11215	9000	12.204	2.29	11.31	2.50	8.34	14.8	58,2	287,3	63,5	211,8	6,7
	3	-	RLP11300	11.154	15.125	2.43	11.44	2.50	8.47	15.2	61,7	290,6	63,5	215,1	6,9
	3 1/16	-	RLP11301	11.154	15.125	2.43	11.44	2.50	8.47	15.2	61,7	290,6	63,5	215,1	6,9
	3 1/8	80	RLP11302	11.154	15.125	2.43	11.44	2.50	8.47	15.2	61,7	290,6	63,5	215,1	6,9
	3 3/16	-	RLP11303	11.154	15.125	2.60	11.71	2.50	8.64	16.6	66,0	297,4	63,5	219,5	7,5
	-	85	RLP11085M	11.154	15.125	2.60	11.71	2.50	8.64	16.6	66,0	297,4	63,5	219,5	7,5
	3 1/4	-	RLP11304	11.154	15.125	2.60	11.71	2.50	8.64	16.6	66,0	297,4	63,5	219,5	7,5
	3 5/16	-	RLP11305	11.154	15.125	2.60	11.71	2.50	8.64	16.6	66,0	297,4	63,5	219,5	7,5
	3 3/8	-	RLP11306	11.154	15.125	2.60	11.71	2.50	8.64	16.6	66,0	297,4	63,5	219,5	7,5
	3 7/16	-	RLP11307	11.154	15.125	2.60	11.71	2.50	8.64	16.6	66,0	297,4	63,5	219,5	7,5
	3 1/2	-	RLP11308	11.154	15.125	2.60	11.71	2.50	8.64	16.6	66,0	297,4	63,5	219,5	7,5
	-	90	RLP11090M	11.154	15.125	2.88	11.89	2.50	8.92	17.2	73,2	302,0	63,5	226,6	7,8
	3 9/16	-	RLP11309	11.154	15.125	2.88	11.89	2.50	8.92	17.2	73,2	302,0	63,5	226,6	7,8
	3 5/8	-	RLP11310	11.154	15.125	2.88	11.89	2.50	8.92	17.2	73,2	302,0	63,5	226,6	7,8
	3 1 1/16	-	RLP11311	11.154	15.125	2.88	11.89	2.50	8.92	17.2	73,2	302,0	63,5	226,6	7,8
	3 3/4	95	RLP11312	11.154	15.125	2.88	11.89	2.50	8.92	17.2	73,2	302,0	63,5	226,6	7,8
	3 13/16	-	RLP11313	11.154	15.125	2.88	11.89	2.50	8.92	17.2	73,2	302,0	63,5	226,6	7,8
	3 7/8	-	RLP11314	11.154	15.125	2.88	11.89	2.50	8.92	17.2	73,2	302,0	63,5	226,6	7,8
	3 15/16	100	RLP11315	11.154	15.125	2.98	12.00	2.50	9.03	16.4	75,7	304,8	63,5	229,4	7,4
	4	-	RLP11400	11.154	15.125	2.98	12.00	2.50	9.03	16.4	75,7	304,8	63,5	229,4	7,4
	4 1/16	-	RLP11401	11.154	15.125	2.98	12.00	2.50	9.03	16.4	75,7	304,8	63,5	229,4	7,4
	4 1/8	105	RLP11402	11.154	15.125	2.98	12.00	2.50	9.03	16.4	75,7	304,8	63,5	229,4	7,4
4 1/4	-	RLP11404	11.154	15.125	2.98	12.00	2.50	9.03	16.4	75,7	304,8	63,5	229,4	7,4	
4 5/16	110	RLP11405	11.154	15.125	3.25	12.27	2.50	9.30	17.6	82,6	311,7	63,5	236,2	8,0	
4 1/2	-	RLP11408	11.154	15.125	3.25	12.27	2.50	9.30	17.6	82,6	311,7	63,5	236,2	8,0	
4 5/8	-	RLP11410	11.154	15.125	3.25	12.27	2.50	9.30	17.6	82,6	311,7	63,5	236,2	8,0	

**IMPORTANT:** RSL-drive units must be ordered separately to operate the RLP-Hexagon Cassettes.

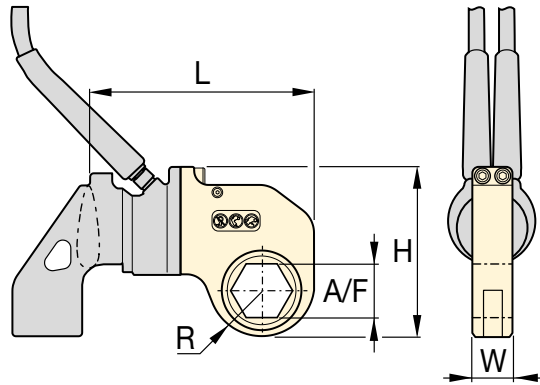
# Hexagon Cassettes for RSL-Series

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

Hexagon Range:  
**26 - 155 mm**

Maximum Operating Pressure:  
**690 bar**

**RSL  
Series**



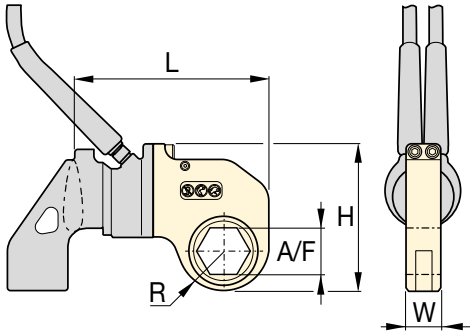
## ▼ SELECTION CHART

Drive Unit Model Number	Hexagon Size A/F		Hexagon Cassette Model Number	Maximum Torque		Dimensions (inch)				⚖️ (lbs)	Dimensions (mm)				⚖️ (kg)
	(inch)	(mm)		(Ft.lbs)	(Nm)	R	L	W	H		R	L	W	H	
RSL19000	2 <sup>15</sup> / <sub>16</sub>	75	RLP19215	11.000	14.916	2.45	12.72	2.75	9.44	21.5	62,2	323,1	69,9	239,8	9,8
	3	-	RLP19300	11.000	14.916	2.45	12.72	2.75	9.44	21.5	62,2	323,1	69,9	239,8	9,8
	3 <sup>1</sup> / <sub>16</sub>	-	RLP19301	11.000	14.916	2.45	12.72	2.75	9.44	21.5	62,2	323,1	69,9	239,8	9,8
	3 <sup>1</sup> / <sub>8</sub>	80	RLP19302	11.000	14.916	2.45	12.72	2.75	9.44	21.5	62,2	323,1	69,9	239,8	9,8
	3 <sup>3</sup> / <sub>16</sub>	-	RLP19303	16.000	21.696	2.77	13.04	2.75	9.76	22.6	70,4	331,2	69,9	247,9	10,3
	-	85	RLP19085M	16.000	21.696	2.77	13.04	2.75	9.76	22.6	70,4	331,2	69,9	247,9	10,3
	3 <sup>1</sup> / <sub>4</sub>	-	RLP19304	16.000	21.696	2.77	13.04	2.75	9.76	22.6	70,4	331,2	69,9	247,9	10,3
	3 <sup>5</sup> / <sub>16</sub>	-	RLP19305	16.000	21.696	2.77	13.04	2.75	9.76	22.6	70,4	331,2	69,9	247,9	10,3
	3 <sup>3</sup> / <sub>8</sub>	-	RLP19306	16.000	21.696	2.77	13.04	2.75	9.76	22.6	70,4	331,2	69,9	247,9	10,3
	3 <sup>7</sup> / <sub>16</sub>	-	RLP19307	16.000	21.696	2.77	13.04	2.75	9.76	22.6	70,4	331,2	69,9	247,9	10,3
	3 <sup>1</sup> / <sub>2</sub>	-	RLP19308	16.000	21.696	2.77	13.04	2.75	9.76	22.6	70,4	331,2	69,9	247,9	10,3
	-	90	RLP19090M	18.843	25.551	2.95	13.22	2.75	9.94	23.8	74,9	335,8	69,9	252,5	10,8
	3 <sup>9</sup> / <sub>16</sub>	-	RLP19309	18.843	25.551	2.95	13.22	2.75	9.94	23.8	74,9	335,8	69,9	252,5	10,8
	3 <sup>5</sup> / <sub>8</sub>	-	RLP19310	18.843	25.551	2.95	13.22	2.75	9.94	23.8	74,9	335,8	69,9	252,5	10,8
	3 <sup>11</sup> / <sub>16</sub>	-	RLP19311	18.843	25.551	2.95	13.22	2.75	9.94	23.8	74,9	335,8	69,9	252,5	10,8
	3 <sup>3</sup> / <sub>4</sub>	95	RLP19312	18.843	25.551	2.95	13.22	2.75	9.94	23.8	74,9	335,8	69,9	252,5	10,8
	3 <sup>13</sup> / <sub>16</sub>	-	RLP19313	18.843	25.551	2.95	13.22	2.75	9.94	23.8	74,9	335,8	69,9	252,5	10,8
	3 <sup>7</sup> / <sub>8</sub>	-	RLP19314	18.843	25.551	2.95	13.22	2.75	9.94	23.8	74,9	335,8	69,9	252,5	10,8
	3 <sup>15</sup> / <sub>16</sub>	100	RLP19315	18.843	25.551	3.30	13.57	2.75	10.28	25.3	83,8	344,7	69,9	261,1	11,5
	4	-	RLP19400	18.843	25.551	3.30	13.57	2.75	10.28	25.3	83,8	344,7	69,9	261,1	11,5
	4 <sup>1</sup> / <sub>16</sub>	-	RLP19401	18.843	25.551	3.30	13.57	2.75	10.28	25.3	83,8	344,7	69,9	261,1	11,5
	4 <sup>1</sup> / <sub>8</sub>	105	RLP19402	18.843	25.551	3.30	13.57	2.75	10.28	25.3	83,8	344,7	69,9	261,1	11,5
	4 <sup>3</sup> / <sub>16</sub>	-	RLP19403	18.843	25.551	3.30	13.57	2.75	10.28	25.3	83,8	344,7	69,9	261,1	11,5
	4 <sup>1</sup> / <sub>4</sub>	-	RLP19404	18.843	25.551	3.30	13.57	2.75	10.28	25.3	83,8	344,7	69,9	261,1	11,5
	4 <sup>5</sup> / <sub>16</sub>	110	RLP19405	18.843	25.551	3.44	13.71	2.75	10.43	25.6	87,4	348,2	69,9	264,9	11,6
	4 <sup>3</sup> / <sub>8</sub>	-	RLP19406	18.843	25.551	3.44	13.71	2.75	10.43	25.6	87,4	348,2	69,9	264,9	11,6
	4 <sup>7</sup> / <sub>16</sub>	-	RLP19407	18.843	25.551	3.44	13.71	2.75	10.43	25.6	87,4	348,2	69,9	264,9	11,6
	4 <sup>1</sup> / <sub>2</sub>	-	RLP19408	18.843	25.551	3.44	13.71	2.75	10.43	25.6	87,4	348,2	69,9	264,9	11,6
	-	115	RLP19115M	18.843	25.551	3.44	13.71	2.75	10.43	25.6	87,4	348,2	69,9	264,9	11,6
	4 <sup>9</sup> / <sub>16</sub>	-	RLP19409	18.843	25.551	3.44	13.71	2.75	10.43	25.6	87,4	348,2	69,9	264,9	11,6
4 <sup>5</sup> / <sub>8</sub>	-	RLP19410	18.843	25.551	3.44	13.71	2.75	10.43	25.6	87,4	348,2	69,9	264,9	11,6	

**IMPORTANT:** RSL-drive units must be ordered separately to operate the RLP-Hexagon Cassettes.

# Hexagon Cassettes for RSL-Series

**ENERPAC** 



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



Hexagon Range:  
**26 - 155 mm**

Maximum Operating Pressure:  
**690 bar**

**RSL Series**



## ▼ SELECTION CHART




























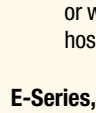
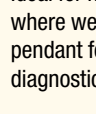

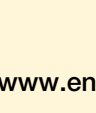

Drive Unit Model Number	Hexagon Size * A/F		Hexagon Cassette Model Number	Maximum Torque		Dimensions (inch)					Dimensions (mm)				
	(inch)	(mm)		(Ft.lbs)	(Nm)	R	L	W	H		(lbs)	R	L	W	
RSL28000	3 1/8	80	RLP28302	16.000	21.696	2.56	14.36	3.00	10.54	27.6	65,0	364,7	76,2	267,7	12,5
	3 3/16	-	RLP28303	16.000	21.696	2.56	14.36	3.00	10.54	27.6	65,0	364,7	76,2	267,7	12,5
	-	85	RLP28085M	16.000	21.696	2.56	14.36	3.00	10.54	27.6	65,0	364,7	76,2	267,7	12,5
	3 1/4	-	RLP28304	16.000	21.696	2.56	14.36	3.00	10.54	27.6	65,0	364,7	76,2	267,7	12,5
	3 5/16	-	RLP28305	16.000	21.696	2.56	14.36	3.00	10.54	27.6	65,0	364,7	76,2	267,7	12,5
	3 3/8	-	RLP28306	16.000	21.696	2.56	14.36	3.00	10.54	27.6	65,0	364,7	76,2	267,7	12,5
	3 7/16	-	RLP28307	16.000	21.696	2.56	14.36	3.00	10.54	27.6	65,0	364,7	76,2	267,7	12,5
	3 1/2	-	RLP28308	16.000	21.696	2.56	14.36	3.00	10.54	27.6	65,0	364,7	76,2	267,7	12,5
	-	90	RLP28090M	22.000	29.832	2.92	14.36	3.00	10.77	28.8	74,2	364,7	76,2	273,6	13,1
	3 9/16	-	RLP28309	22.000	29.832	2.92	14.36	3.00	10.77	28.8	74,2	364,7	76,2	273,6	13,1
	3 5/8	-	RLP28310	22.000	29.832	2.92	14.36	3.00	10.77	28.8	74,2	364,7	76,2	273,6	13,1
	3 11/16	-	RLP28311	22.000	29.832	2.92	14.36	3.00	10.77	28.8	74,2	364,7	76,2	273,6	13,1
	3 3/4	95	RLP28312	22.000	29.832	2.92	14.36	3.00	10.77	28.8	74,2	364,7	76,2	273,6	13,1
	3 13/16	-	RLP28313	22.000	29.832	2.92	14.36	3.00	10.77	28.8	74,2	364,7	76,2	273,6	13,1
	3 7/8	-	RLP28314	22.000	29.832	2.92	14.36	3.00	10.77	28.8	74,2	364,7	76,2	273,6	13,1
	3 15/16	100	RLP28315	28.002	37.971	3.29	14.47	3.00	11.14	31.7	83,6	367,5	76,2	283,0	14,4
	4	-	RLP28400	28.002	37.971	3.29	14.47	3.00	11.14	31.7	83,6	367,5	76,2	283,0	14,4
	4 1/16	-	RLP28401	28.002	37.971	3.29	14.47	3.00	11.14	31.7	83,6	367,5	76,2	283,0	14,4
	4 1/8	105	RLP28402	28.002	37.971	3.29	14.47	3.00	11.14	31.7	83,6	367,5	76,2	283,0	14,4
	4 3/16	-	RLP28403	28.002	37.971	3.29	14.47	3.00	11.14	31.7	83,6	367,5	76,2	283,0	14,4
	4 1/4	-	RLP28404	28.002	37.971	3.29	14.47	3.00	11.14	31.7	83,6	367,5	76,2	283,0	14,4
	4 5/16	110	RLP28405	28.002	37.971	3.43	14.61	3.00	11.28	31.5	87,1	371,1	76,2	286,5	14,3
	4 3/8	-	RLP28406	28.002	37.971	3.43	14.61	3.00	11.28	31.5	87,1	371,1	76,2	286,5	14,3
	4 7/16	-	RLP28407	28.002	37.971	3.43	14.61	3.00	11.28	31.5	87,1	371,1	76,2	286,5	14,3
	4 1/2	-	RLP28408	28.002	37.971	3.43	14.61	3.00	11.28	31.5	87,1	371,1	76,2	286,5	14,3
	-	115	RLP28115M	28.002	37.971	3.43	14.61	3.00	11.28	31.5	87,1	371,1	76,2	286,5	14,3
	4 9/16	-	RLP28409	28.002	37.971	3.43	14.61	3.00	11.28	31.5	87,1	371,1	76,2	286,5	14,3
	4 5/8	-	RLP28410	28.002	37.971	3.43	14.61	3.00	11.28	31.5	87,1	371,1	76,2	286,5	14,3
	4 3/4	120	RLP28412	28.002	37.971	3.65	14.83	3.00	11.50	33.5	92,7	376,7	76,2	292,1	15,2
	-	123	RLP28123M	28.002	37.971	3.65	14.83	3.00	11.50	33.5	92,7	376,7	76,2	292,1	15,2
	4 7/8	-	RLP28414	28.002	37.971	3.65	14.83	3.00	11.50	33.5	92,7	376,7	76,2	292,1	15,2
	5	-	RLP28500	28.002	37.971	3.65	14.83	3.00	11.50	33.5	92,7	376,7	76,2	292,1	15,2
	5 1/8	130	RLP28502	28.002	37.971	3.79	14.97	3.00	11.64	33.2	96,3	380,2	76,2	295,7	15,1
	5 3/16	-	RLP28503	28.002	37.971	3.79	14.97	3.00	11.64	33.2	96,3	380,2	76,2	295,7	15,1
	5 1/4	-	RLP28504	28.002	37.971	3.79	14.97	3.00	11.64	33.2	96,3	380,2	76,2	295,7	15,1
	5 3/8	135	RLP28506	28.002	37.971	3.79	14.97	3.00	11.64	33.2	96,3	380,2	76,2	295,7	15,1
	5 1/2	140	RLP28508	28.002	37.971	4.05	15.23	3.00	11.90	33.5	102,9	386,8	76,2	302,3	15,2
	5 9/16	-	RLP28509	28.002	37.971	4.05	15.23	3.00	11.90	33.5	102,9	386,8	76,2	302,3	15,2
	5 5/8	-	RLP28510	28.002	37.971	4.05	15.23	3.00	11.90	33.5	102,9	386,8	76,2	302,3	15,2
	5 3/4	145	RLP28512	28.002	37.971	4.05	15.23	3.00	11.90	33.5	102,9	386,8	76,2	302,3	15,2
5 7/8	150	RLP28514	28.002	37.971	4.22	15.48	3.00	12.15	34.5	107,2	393,2	76,2	308,6	15,6	
-	151	RLP28151M	28.002	37.971	4.22	15.48	3.00	12.15	34.5	107,2	393,2	76,2	308,6	15,6	
6	-	RLP28600	28.002	37.971	4.22	15.48	3.00	12.15	34.5	107,2	393,2	76,2	308,6	15,6	
6 1/8	155	RLP28602	28.002	37.971	4.22	15.48	3.00	12.15	34.5	107,2	393,2	76,2	308,6	15,6	

**IMPORTANT:** RSL-drive units must be ordered separately to operate the RLP-Hexagon Cassettes.



# 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.

		ELECTRIC TORQUE PUMPS					AIR DRIVEN TORQUE PUMPS	
		Cordless XC-Series	E-Pulse® E-Series	TQ-Series	ZU4T-Series	ZE-T-Series	LAT-Series	ZA4T-Series
								
Speed:								
Oil Flow at 700 bar:	0,25 l/min	0,52 l/min	0,5 l/min	1,0 l/min	0,8 - 1,6 l/min	0,4 l/min	1,0 l/min	
Reservoir Capacity:	2,0 litres	3,0 litres	4,0 litres	4,6 - 6,8 litres	4,6 - 39 litres	3,0 litres	4,6 - 6,8 litres	
Duty Cycle:	Intermittent	Heavy-Duty	Standard	Standard	Heavy-Duty	Standard	Heavy-Duty	
Weight:								
Work:	Field	Field/Factory	Field/Factory	Field	Factory	Field	Field	
	S1500X	Optimal	Optimal	Optimal	Optimal	Optimal	Optimal	
	S3000X							
	S6000X	-	Acceptable	Acceptable	Optimal	Optimal	Optimal	
	S11000X							
	S25000X	Optimal	Optimal	Optimal	Optimal	Optimal	Optimal	
	W2000X							
	W4000X	-	Acceptable	Acceptable	Optimal	Optimal	Optimal	
	W8000X							
	W15000X	Optimal	Optimal	Optimal	Optimal	Optimal	Optimal	
	W22000X							
	W35000X	-	Acceptable	Acceptable	Optimal	Optimal	Optimal	
	RSL1500							
	RSL3000	Optimal	Optimal	Optimal	Optimal	Optimal	Optimal	
	RSL5000							
	RSL8000	-	Acceptable	Acceptable	Optimal	Optimal	Optimal	
	RSL11000							
	RSL19000	Optimal	Optimal	Optimal	Optimal	Optimal	Optimal	
	RSL28000							
	DSX1500	Optimal	Optimal	Optimal	Optimal	Optimal	Optimal	
	DSX3000							
	DSX5000	-	Acceptable	Acceptable	Optimal	Optimal	Optimal	
	DSX11000							
	DSX25000	Optimal	Optimal	Optimal	Optimal	Optimal	Optimal	
	HMT1500							
	HMT3500	Optimal	Optimal	Optimal	Optimal	Optimal	Optimal	
	HMT7500							
		Acceptable	Optimal	Optimal	Optimal	Optimal	Optimal	



**XC-Series, Portable Cordless Pumps**  
Ideal for maintenance bolting applications at sites that do not have access to power or where having extension cords or air hoses could cause trip hazards.

**E-Series, E-Pulse Portable Torque Pumps**  
Ideal for high volume fastening applications where weight is critical. Feature an interactive pendant for operation, programming and diagnostics.

**TQ-700 Series Electric Torque Pumps**  
Designed for both portability and production, to deliver superior bolting speed.

**ZU4T-Series, Electric Torque Pumps**  
Works well with long extension cords or generator driven electrical power supplies. Available in **Pro** and **Classic** formats. **ZU4T Pro Pumps** have an LCD feature to display torque or pressure, selectable torque wrench, and self-diagnostics. **ZU4T Classic Pumps** feature an analogue gauge and a basic electrical package to deliver durable, safe and efficient hydraulic power.

**ZE-T-Series Electric Torque Pumps**  
Features LCD to display torque or pressure values, and self-diagnostics. With induction motor, making the ZE-Series the coolest and quietest pumps in their class.

**LAT-Series, Lightweight Torque Air Pumps**  
Combines compact design and high productivity for bolting applications in areas hard to access with larger air powered pumps.

**ZA4T-Series Air Driven Torque Pumps**  
This air driven pump is best suited to power medium to large size torque wrenches.

**THQ-Series, Torque Wrench Hoses**  
Use Enerpac THQ-700 Series twin hoses with all torque wrenches to ensure the integrity of your hydraulic system.

▼ RSL-Drive Unit with interchangeable RLP...SL Slimline Hexagon Cassette



## Setting New Standards in Safety, Simplicity and Performance

### 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
- Robust handles are available for both sides and the tops of cassettes to allow for extra maneuverability
- 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  $\pm 3\%$

### 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.



### Torque Pumps

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

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### 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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### Back-Up Spanners

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

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

# Slimline Stepped-Width Hexagon Cassettes for RSL-Series



## Slimline Stepped-Width Hexagon 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:

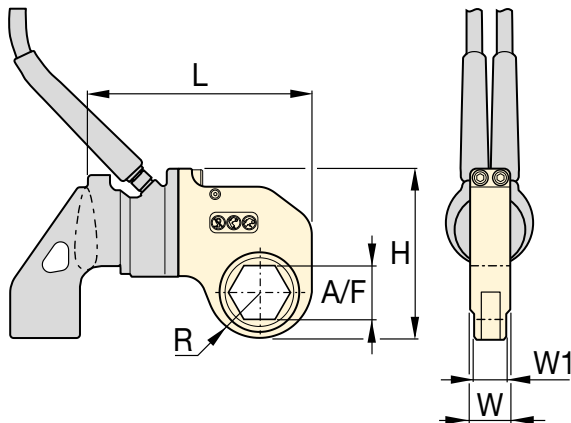
**1 1/4 - 3 3/16 inch**

Hexagon Range:

**32 - 80 mm**

Maximum Operating Pressure:

**690 bar**



### 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

Drive Unit Model Number	Hexagon Size A/F		Slimline Hexagon Cassette Model Nr.	Maximum Torque		Dimensions (inch)					⚖️ (lbs)	Dimensions (mm)					⚖️ (kg)
	(inch)	(mm)		(Ft.lbs)	(Nm)	R	L	W	W1	H		R	L	W	W1	H	
RSL1500	1 1/4	32	RLP1104SL	375	509	1.03	6.12	1.25	1.00	4.57	2.2	26,2	155,4	31,8	25,4	116,1	1,0
	1 7/16	36	RLP1107SL	658	892	1.15	6.24	1.25	1.00	4.69	2.3	29,2	158,5	31,8	25,4	119,1	1,0
	1 5/8	41	RLP1110SL	831	1127	1.31	6.41	1.25	1.00	4.86	2.7	33,3	162,8	31,8	25,4	123,4	1,2
	1 13/16	46	RLP1113SL	831	1127	1.40	6.49	1.25	1.00	4.94	2.7	35,6	164,8	31,8	25,4	125,5	1,2
	2	50	RLP1200SL	831	1127	1.48	6.58	1.25	1.00	5.03	2.7	37,6	167,1	31,8	25,4	127,8	1,2
RSL3000	2	50	RLP3200SL	1354	1836	1.60	8.04	1.38	1.13	5.92	4.5	40,6	204,2	35,1	28,7	150,4	2,0
	2 3/16	55	RLP3203SL	1604	2175	1.76	8.16	1.38	1.13	6.08	4.7	44,7	207,3	35,1	28,7	154,4	2,1
	2 3/8	60	RLP3206SL	1604	2175	1.84	8.25	1.38	1.13	6.15	4.8	46,7	209,6	35,1	28,7	156,2	2,2
	2 9/16	65	RLP3209SL	1604	2175	1.95	8.14	1.38	1.13	6.26	4.6	49,5	206,8	35,1	28,7	159,0	2,1
	2 3/4	70	RLP3212SL	1604	2175	2.04	8.23	1.38	1.13	6.36	4.4	51,8	209,0	35,1	28,7	161,5	2,0
	2 15/16	75	RLP3215SL	1604	2175	2.16	8.34	1.38	1.13	6.54	4.7	54,9	211,8	35,1	28,7	166,1	2,1
RSL5000	2 3/4	70	RLP5212SL	4173	5659	2.16	9.63	1.75	1.62	7.07	7.5	54,9	244,6	44,5	41,1	179,6	3,4
	3 1/8	80	RLP5302SL	4173	5659	2.26	9.73	1.75	1.62	7.17	7.2	57,4	247,1	44,5	41,1	182,1	3,3
RSL8000	2 9/16	55	RLP8203SL	2487	3372	1.71	9.53	2.25	2.00	6.84	8.5	43,4	242,1	57,2	50,8	173,7	3,9
	2 3/8	60	RLP8206SL	3198	4336	1.87	9.67	2.25	2.00	7.00	8.9	47,5	245,6	57,2	50,8	177,8	4,0
	2 9/16	65	RLP8209SL	4122	5589	2.01	9.67	2.25	2.00	7.13	9.0	51,1	245,6	57,2	50,8	181,1	4,1
	2 3/4	70	RLP8212SL	5587	7576	2.16	9.82	2.25	2.00	7.28	9.6	54,9	249,4	57,2	50,8	184,9	4,4
	2 15/16	75	RLP8215SL	5587	7576	2.24	9.90	2.25	2.00	7.36	9.6	56,9	251,5	57,2	50,8	186,9	4,4
	3 1/8	80	RLP8302SL	5587	7576	2.26	9.92	2.25	2.00	7.39	9.3	57,4	252,0	57,2	50,8	187,7	4,2
	3 3/16	-	RLP8303SL	4740	6427	2.26	9.92	2.25	2.00	7.39	9.3	57,4	252,0	57,2	50,8	187,7	4,2

**IMPORTANT:** RSL-drive units must be ordered separately to operate the RLP-SL-Hexagon Cassettes.

▼ RSL drive unit with interchangeable RSQ square drive cassette



## Safety and Performance

- Innovative design that completely encloses all moving parts and minimizes pinch points
- 30-35° rotation angle 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 for 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  $\pm 3\%$

## 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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### Back-Up Spanners

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

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### Safe T™ Torque Lock

The Safe T Torque Lock is suitable for all bolted applications from 190 Nm to 15.000 Nm using a heavy duty impact socket.

The patented mechanical locking system creates a hands-free torque wrench solution suitable for Enerpac only square drive tools. Suitable for : RSQ3000, RSQ5000 and RSQ11000

See [enerpac.com](http://enerpac.com) for details.

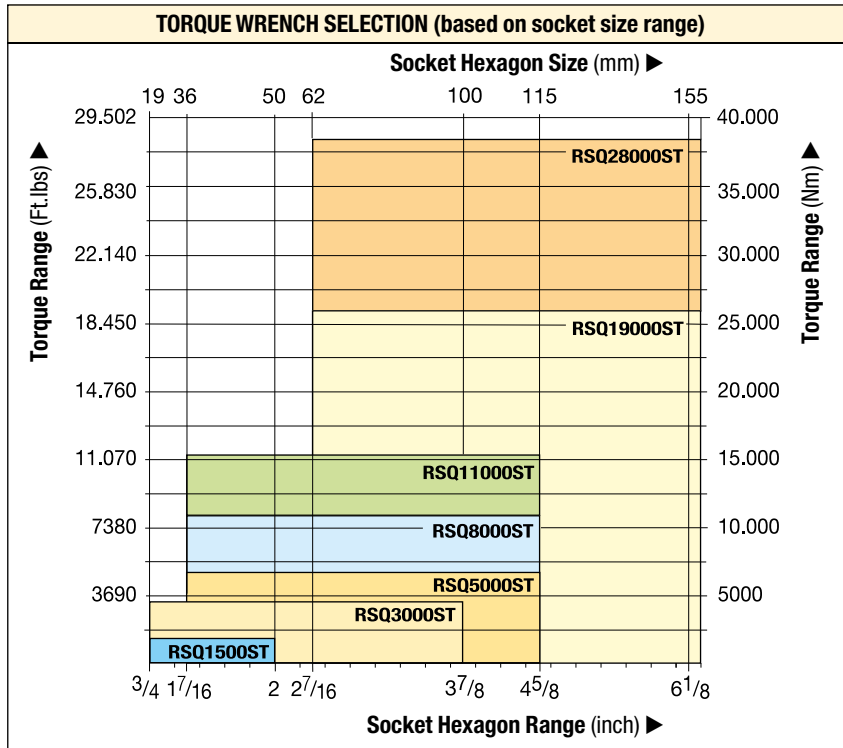


### Torque Wrench Hoses

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

2 m long, 2 hoses	<b>THQ-702T</b>
6 m long, 2 hoses	<b>THQ-706T</b>
12 m long, 2 hoses	<b>THQ-712T</b>

# RSQ-Square Drive Hydraulic Torque Wrenches



## RSL Series



Maximum Torque Output:  
**1408 - 28.002 Ft.lbs**

Maximum Torque Output:  
**1909 - 37.965 Nm**

Square Drive Range:  
**3/4 - 2 1/2 inch**

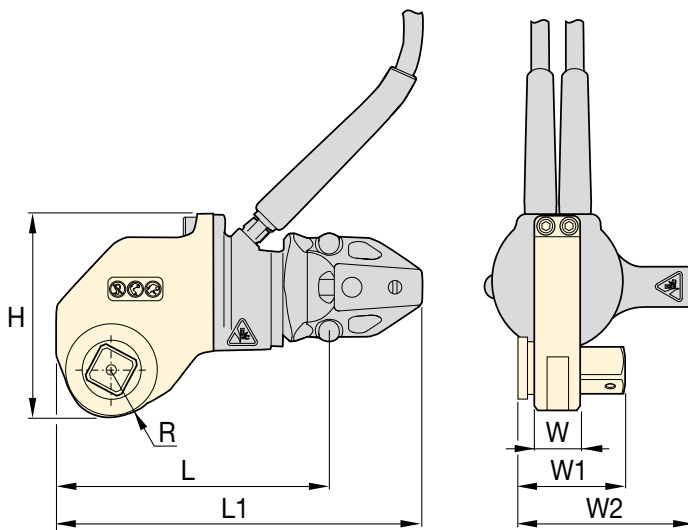
Maximum Operating Pressure:  
**690 bar**



### 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 Pumps

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

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## SELECTION CHART

Maximum Torque Output		Square Drive Size (inch)	Square Drive Cassette Model Number <sup>1)</sup>	Square Drive Torque Wrench Set Model Number <sup>2)</sup>	Dimensions (mm)							Weight (kg)		
(Ft.lbs)	(Nm)				W	W1	W2	H	L	L1	R	Drive Unit (without reaction arm)	Reaction Arm	Square Drive Cassette
1408	1909	3/4	RSQ1500	RSQ1500ST	32	58	101	114	160	189	24	1,6	0,5	1,3
3080	4176	1	RSQ3000	RSQ3000ST	38	73	124	141	195	262	32	2,6	1,0	2,4
5303	7190	1 1/2	RSQ5000	RSQ5000ST	45	94	160	163	235	296	39	4,1	1,8	4,1
7862	10.659	1 1/2	RSQ8000	RSQ8000ST	61	105	160	169	241	300	39	4,8	2,0	5,3
11.154	15.123	1 1/2	RSQ11000	RSQ11000ST	64	118	170	201	284	315	48	5,3	3,0	8,4
18.843	25.547	2 1/2	RSQ19000	RSQ19000ST	83	162	265	241	342	482	64	9,1	7,1	13,1
28.002	37.965	2 1/2	RSQ28000	RSQ28000ST	89	166	227	263	358	536	64	10,0	5,0	17,9

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

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



# BSH-Series, Heavy-Duty Sockets



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

## BSH Series



Hexagon Size:

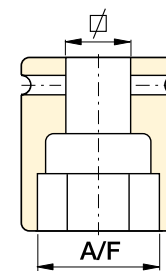
**19 - 155 mm | 3/4" - 6 1/8"**

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



### Select the Right Torque

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

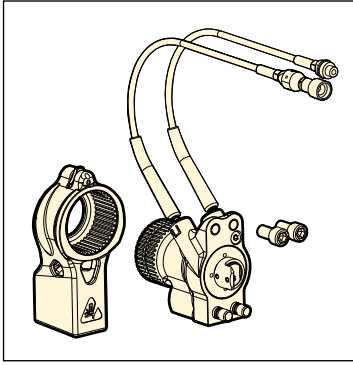


### Pin and Ring

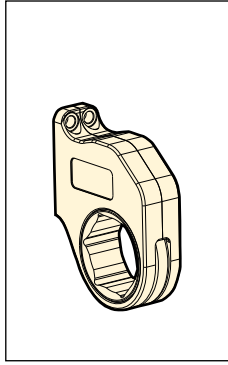
All sockets are supplied with a "Pin and O-Ring" to hold the socket in place on the square drive of the tool.

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

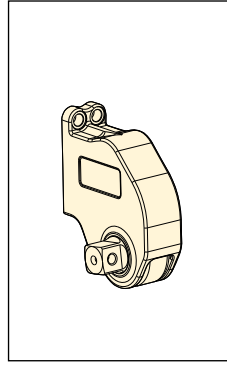
# RSL-Series, Torque Wrench Options and Accessories



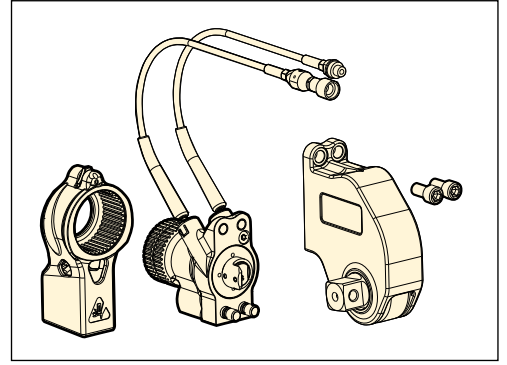
RSL



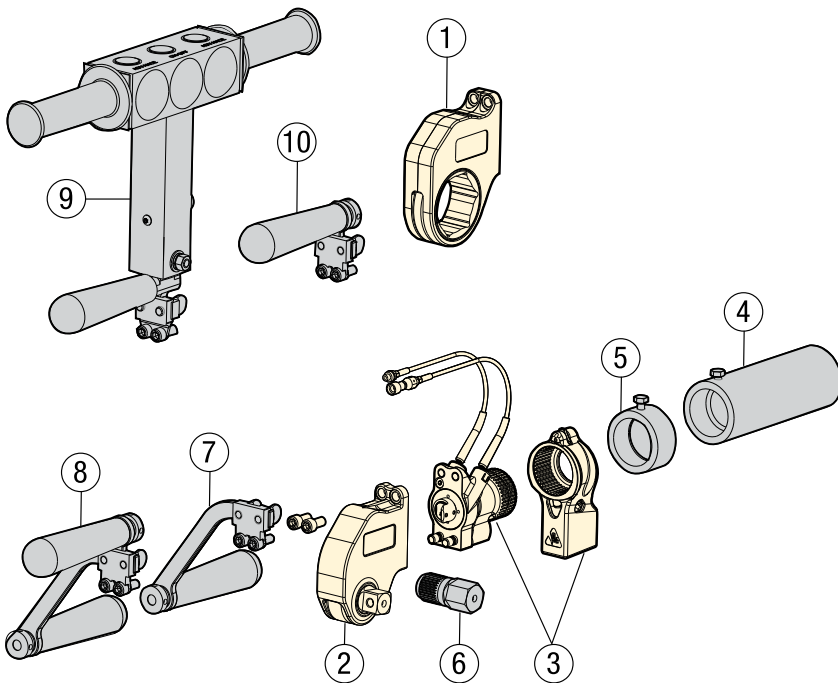
RLP... / RLP...SL



RSQ



RSQ...ST



- ① Hexagon Cassette (RLP)
- ② Square Drive Cassette (RSQ)
- ③ Drive Unit and Reaction Arm

### Optional Parts (only available per request)

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

## Enerpac Online Bolting Calculator (Bolting Integrity Software)



### Bolting Integrity Software

Visit [enerpac.com](http://enerpac.com) to access our free on-line bolting software application. A comprehensive free online 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.



# THE RIGHT TOOL MAKES ALL THE DIFFERENCE

Enerpac bolting tools are put to work under the most intense and demanding conditions. That's why we never compromise. So you can rely on quality and precision every time for your controlled tightening and joint integrity applications.

As a global leader in high-pressure hydraulic tools, controlled force products and solutions for precision positioning of heavy loads, Enerpac products have moved and maintained some of the largest structures on earth. They are the industry standard in aerospace, infrastructure, manufacturing, mining, oil & gas, power generation and much more.

ELITE TOOLS. FOR ELITE PROFESSIONALS.

## Controlled Tightening and Loosening



S-, W-, RSL-, DSX and HMT-Series Hydraulic Torque Wrenches



STTL-Series Safe T™ Torque Lock



Manual Torque Multipliers



Pneumatic and Electric Torque Wrenches



Cordless Torque Pumps



Electric Torque Pumps



Pneumatic Torque Pumps

## Tensioning Tools



Power Generation Bolt Tensioners



HydraMax, General Purpose and Aquajack® Subsea Tensioners



Electric Tensioning Pumps



Pneumatic Tensioning Pumps



High-Pressure Hand Pumps

## Joint Assembly & Joint Separation



Hydraulic Nut Cutters and Nut Splitters



Flange Alignment Tools



Flange Face Tool



Flange Spreaders



Valve Change-Out Tool Sets



Flange Puller Sets



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