The first product family of its kind – Rivet Nuts up to \( \frac{3}{4} \)-10 (M20)
FEATURES & BENEFITS

• Provide a Strong Thread in Thin Sheet Materials
• Can be Installed from One Side of the Work Piece
• Do Not Need to be Welded to the Base Material
• Available in a Round Body or a Full Hex Body For Increased Spin Out Resistance
• Plated with a ROHS Compliant Zinc Trivalent Clear Plating

SIZES & STYLES

• Unified Sizes Available:
  - 1/2” Round Body & Hex Body
  - 5/8” Round Body & Hex Body
  - 3/4” Round Body

• Metric Sizes Available:
  - M12 Round Body & Hex Body
  - M16 Round Body & Hex Body

LARGE SIZE RIVET NUT APPLICATIONS

These innovative Rivet Nuts can be used in a variety of industries:

• Automotive
• HVAC
• Heavy Truck/Trailer
• Heavy Equipment
• Ag/Construction Equipment
• Rail
• Pole/Tower
• Any manufacturing that uses thin sheet metal

Utility Poles Attachments

<table>
<thead>
<tr>
<th>Utility Pole</th>
<th>Hex Nut</th>
</tr>
</thead>
<tbody>
<tr>
<td>3/4” Round STEP-NUT™</td>
<td>3/4” Step Bolt</td>
</tr>
</tbody>
</table>
Truck Frame Attachments

- Bracket
- Truck Frame
- 5/8" Full Hex Rivet Nut

Vending Machine Leg Leveler

- Bracket
- Bolt
- M16 Round Rivet Nut
- Leg Leveler
Railcar Component Attachments

- Rail Car Frame
- Bolt
- 5/8" Round Rivet Nut
- Rail Car Step

Combine Frame Attachment

- Attached Component
- Combine Frame
- Bolt
- M12 Hex Rivet Nut
### LARGE SIZE RIVET NUT APPLICATIONS

#### Round Body

**LRGR SERIES - ROUND BODY**

<table>
<thead>
<tr>
<th>SHEREX Part Number Inch - Steel</th>
<th>Thread Size</th>
<th>Grip Range</th>
<th>L</th>
<th>HD</th>
<th>HT</th>
<th>D</th>
<th>IL</th>
<th>Hole Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>LRGR2-5013-150</td>
<td>1/2-13 UNC</td>
<td>.050</td>
<td>.150</td>
<td>1.260</td>
<td>.945</td>
<td>.085</td>
<td>.656</td>
<td>.984</td>
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<tr>
<td>LRGR2-6211-200</td>
<td>5/8-11 UNC</td>
<td>.080</td>
<td>.200</td>
<td>1.428</td>
<td>1.181</td>
<td>.098</td>
<td>.826</td>
<td>1.142</td>
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<tr>
<td>LRGR2-7510-250</td>
<td>3/4-10 UNC</td>
<td>.010</td>
<td>.250</td>
<td>1.210</td>
<td>1.235</td>
<td>.118</td>
<td>.906</td>
<td>.878</td>
</tr>
</tbody>
</table>

#### Full Hex Body

**LRGH SERIES - FULL HEX BODY**

<table>
<thead>
<tr>
<th>SHEREX Part Number Inch - Steel</th>
<th>Thread Size</th>
<th>Grip Range</th>
<th>L</th>
<th>HD</th>
<th>HT</th>
<th>D (A/F)</th>
<th>IL</th>
<th>Hole Size (A/F)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LRGH2-5013-177</td>
<td>1/2-13 UNC</td>
<td>.050</td>
<td>.177</td>
<td>1.181</td>
<td>1.024</td>
<td>.085</td>
<td>.656</td>
<td>.866</td>
</tr>
<tr>
<td>LRGH2-6211-200</td>
<td>5/8-11 UNC</td>
<td>.080</td>
<td>.200</td>
<td>1.260</td>
<td>1.260</td>
<td>.118</td>
<td>.826</td>
<td>.965</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SHEREX Part Number Metric - Steel</th>
<th>Thread Size</th>
<th>Grip Range</th>
<th>L</th>
<th>HD</th>
<th>HT</th>
<th>D (A/F)</th>
<th>IL</th>
<th>Hole Size (A/F)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LRGH2-12175-3.8</td>
<td>M12x1.75 ISO</td>
<td>1.27</td>
<td>3.80</td>
<td>32.00</td>
<td>24.00</td>
<td>2.16</td>
<td>16.65</td>
<td>25.00</td>
</tr>
<tr>
<td>LRGH2-1620-5.0</td>
<td>M16x2.0 ISO</td>
<td>2.00</td>
<td>5.00</td>
<td>36.27</td>
<td>30.00</td>
<td>2.50</td>
<td>20.98</td>
<td>29.00</td>
</tr>
</tbody>
</table>

Sherex rivet nuts are compatible with the following hardware:
GRADE 2, GRADE 5, CLASS 8.8 and CLASS 9.8
Please contact Sherex when using other grade fasteners.
Sherex Large Size Rivet Nuts must be installed with the FLEX-18 rivet nut installation tool.

The most powerful tool on the market, providing pull-to-pressure and pull-to-stroke installation methods.

### FEATURES & BENEFITS

- Installs Rivet Nuts from M8 to M16 & 5/16 -18 to 3/4-10
- Push to start nose piece to spin on fastener
- Single stage trigger
- Automatic reverse with manual reverse bypass
- Quick change mandrel design
- Socket head cap screw mandrel for sizes up to M12 and 1/2-20
- Can be suspended from a balancer
- 18,000 lbs. (80 kN) of pulling force
- 15 mm (.591 in) of available stroke
- Upgradeable to process monitoring
- 2-3 second cycle time
- Lightweight handle (8.0 lbs.)
- All aluminum handle design for improved durability

Visit www.sherex.com for a full video demonstration
SHEREX PRODUCT LINE SHOWCASE

BLIND RIVET NUTS
Sherex blind rivet nuts provide load bearing threads in thin sheet materials that are too thin for a tapped thread. Blind rivet nuts are also used when an application has little or no access to the backside as they can be installed from the front side of the work piece. Sherex offers standard and custom rivet nuts, and these additional rivet nut products:

RIV-FLOAT® RIVET NUTS
RIV-FLOAT® was developed for easy, accurate, and fast attachment of components in off center applications. RIV-FLOAT® accounts for tolerance stack up in joint design and misalignment during the service of the joint. RIV-FLOAT®-SHORT is available for applications requiring backside clearance similar to that of various riveted nut plates and cage nuts.

FULL HEX RIVET NUTS
Sherex full hex rivet nuts provide increased spin out resistance over round or half hex body styles. These products are compatible with Class 8, Grade 5 hardware, and are available in sizes 1/4-20 to 1/2-13 and M6 to M12 in small flange and large flange styles.

NAS AND MS RIVET NUTS
Sherex NAS and MS rivet nuts are ideal for aerospace and defense applications that require NAS 1329, NAS 1330, and MS27130 standards. All styles are manufactured in our AS9100-certified Akron, Ohio facility, and are available in steel, aluminum, 430 stainless steel, 316 stainless steel, alloy steel, and brass. Cage Codes 7EK30 & 4JQL4.

LARGE SIZE RIVET NUTS
Sherex Large Size rivet nuts are offered in sizes from 3/4”-10 and M16. These rivet nuts were developed for applications where critical joint performance and high tensile loads are required.

RIVET NUT INSTALLATION TOOLS
Sherex offers a broad line of installation tools, from hand tools ideal for prototyping and small volumes to hydro-pneumatic tools ideal for large production runs.

IN-DIE AUTOMATION
Sherex, with our partner, Autoriv®, offers custom-engineered fastener automation equipment for specific budgets and performance requirements.

FULL HEX RIVET NUTS
Sherex full hex rivet nuts provide increased spin out resistance over round or half hex body styles. These products are compatible with Class 8, Grade 5 hardware, and are available in sizes 1/4-20 to 1/2-13 and M6 to M12 in small flange and large flange styles.

TEC Washers are heavy duty, reusable, self-locking washers designed to secure safety-critical applications against vibrational loosening. Manufactured using stamping process. Available in standard and large outer diameter carbon and stainless steel M3-M72, #5-3".

DISC-LOCK™

WEDGE LOCKING NUTS
Disc-Lock wedge locking nuts are patented, heavy duty, self-locking nuts designed to maintain joint integrity in high vibration applications. Available in sizes from M10 to M22, 3/8” to 7/8”.

WEDGE LOCKING WASHERS
Disc-Lock wedge locking washers are heavy duty, self-locking washers designed to secure safety-critical applications against vibrational loosening. Ideal for situations where reusability is not required. Manufactured using scrapless cold-forming technology. Available in carbon steel sizes M3-M38, #6-1 1/2” and in stainless steel sizes M6-M24, 1/4”.

CLINCH NUTS
Clinch Nuts are high performance fasteners ideal for high strength steel applications where access to both sides of the base material is available. Sherex clinch nuts meet class 10 nut strength requirements, and are available in several varieties for specific application requirements.

BRASS INSERTS
Sherex brass inserts are ideal for fastening in plastics, as they provide a threaded hold when the base material is not strong enough to support a thread.

COMPRESSION LIMITERS
Compression limiters are ideal for use in plastics, as they protect the base material from cracking due to compressive loads generated when tightening bolts. Sherex compression limiters are custom engineered for specific applications.
HEADQUARTERS:
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E-mail: info@sherex.com
www.sherex.com

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Phone: 330-630-2293
Fax: 716-875-0358

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