Anti-Seize
Assembly Paste for Tough Environments
At Henkel, we understand the challenges you face in maintaining and repairing industrial equipment. To make sure your operations run smoothly, you need the right people – and the right tools. LOCTITE offers maintenance, repair and overhaul solutions for all bonding, sealing, cleaning and lubricating tasks.

From years of experience we are well aware of your need to ensure high productivity while saving time, cutting costs and preserving your production assets. Whether it be engines, pumps or furnaces, maintenance operatives need to have the right technologies to efficiently repair and overhaul such equipment so as to keep it properly serviceable over its full lifetime.

Benefit from our competencies and improve your maintenance and repair outcomes:

- Increase reliability and avoid downtime
- Reduce maintenance time and frequency
- Improve safety
- Reduce costs

To effectively maintain or repair sophisticated and heavy-duty equipment, you need technologies that:

- Resist the toughest environments
- Comply with key industry standards
- Reliably prevent seizing, galling and cold welding

Find out how LOCTITE Anti-Seize products can make your daily maintenance activities more efficient.
Advanced Solutions

LOCTITE Anti-Seize compounds are premium quality products developed to protect metal parts from corrosion, galling and seizing. Due to their special composition they are suited to static and boundary friction conditions generated by a combination of low speed and high pressure.

Each product contains a combination of solid lubricating agents resulting in different high temperature limits and lubricities. These are the two major factors in choosing the right Anti-Seize product for your application.

The range consists of standard, high-temperature metal-free grades, plus various options specifically developed for industries such as Food Processing, Marine or even Nuclear Power. All carry relevant approvals.

Our metal-free products utilise nonmetallic fillers that typically provide for a much higher temperature resistance and lubricity than available with metallic fillers.

Main Benefits of LOCTITE Anti-Seize Products

- Ease of assembly and disassembly
- Equipment protection in extreme temperature conditions
- Corrosion protection of mated metal parts
- Extended lifetime of expensive fittings
- Reduced downtime due to seizure
- Product approvals for specific industries (Nuclear, Food, Marine)
Anti-Seize in Your Environment

Taking your daily maintenance and repair tasks as our challenge, we have developed a portfolio to suit almost any application. Based on experience from industrial maintenance and repair tasks we can show you how Anti-Seize compounds are best used alongside other bonding, sealing, cleaning and lubricating products, for example in industrial pumps.

LOCTITE LB 8023 Marine Grade Anti-Seize prevents corrosion and seizure of gland assembly nuts, of the impeller mount on the shaft, of power end bolts, of dowel pins in the bearing frame, and more.

LOCTITE Anti-Seize products are high-value assembly pastes used to ensure that your equipment is protected from fretting, seizing and corrosion.

Our comprehensive device programs for pumps, shafts, centrifuges or gearboxes offer specific application and product solutions for your repair tasks. Find more information on these programs online and/or contact your Henkel Engineer. www.loctite.co.uk/maintenance
Typical Industries and Applications

Your industry’s typical maintenance and repair challenges are covered by our industry programs. They include numerous application examples, references and case studies. Learn how your specific repair task has been solved in a comparable situation.

### POWER PLANTS

**Key challenges:**
- High temperatures
- Steam
- Specific approvals for nuclear plants

**Application cases:**
- Gland studs from reactor top (Nuclear)
- Gasket protection on steam pipes
- Heat recovery boilers, steam turbines

### TRANSPORTATION

**Key challenges:**
- High temperatures
- Outdoor environments
- Overhaul of trains and other industrial vehicles

**Application cases:**
- Turbo assemblies
- Connecting bolt between bogie and rail car
- Exhaust pipes

### MINING AND QUARRYING

**Key challenges:**
- Wear
- High loads
- Outdoor and tough environments

**Application cases:**
- Ring and drum connections
- Crusher wear plates
- Drilling hammers

### FOOD & BEVERAGE

**Key challenges:**
- Specific safety obligations
- Corrosive and acidic environments
- Humidity

**Application cases:**
- Slow-moving conveyor components
- Pumps and gearboxes
# Product Selector Chart

<table>
<thead>
<tr>
<th>PRODUCT</th>
<th>Package size</th>
<th>General characteristics</th>
<th>Special features</th>
<th>Lubricating solids</th>
<th>Colour</th>
<th>Temperature resistance</th>
<th>K-value</th>
<th>NLGI Class</th>
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<tbody>
<tr>
<td><strong>GENERAL PURPOSE</strong></td>
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<tr>
<td>LOCTITE LB 8150</td>
<td>200ml tube, 500g, 1kg can</td>
<td>ALUMINUM General purpose aluminum assembly paste</td>
<td>Equipment repair and general maintenance for long-term assemblies</td>
<td>Aluminum, graphite, EP additives</td>
<td>Silver</td>
<td>-30°C to +900°C</td>
<td>0.18</td>
<td>1</td>
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<tr>
<td>LOCTITE LB 8151</td>
<td>400ml aerosol can</td>
<td>COOPER General purpose copper assembly paste</td>
<td>Cold weather resistant for year-round maintenance</td>
<td>Copper, graphite</td>
<td>Copper</td>
<td>-30°C to +980°C</td>
<td>0.16</td>
<td>0</td>
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<td>LOCTITE LB 8060</td>
<td>20g stick</td>
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<tr>
<td>LOCTITE LB 8007</td>
<td>400ml aerosol can</td>
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<td>LOCTITE LB 8008</td>
<td>113g, 454g brush top can</td>
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<td>LOCTITE LB 8065</td>
<td>20g stick</td>
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<td><strong>HIGH PERFORMANCE</strong></td>
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<tr>
<td>LOCTITE LB 8009</td>
<td>454g brush top can, 3.6kg can</td>
<td>HEAVY-DUTY For applications requiring a copper- and nickel-free product</td>
<td>Superior protection for stainless steel and titanium</td>
<td>Graphite, calcium fluoride</td>
<td>Black</td>
<td>-30°C to +1,315°C</td>
<td>0.16</td>
<td>1</td>
</tr>
<tr>
<td>LOCTITE LB 8023</td>
<td>454g brush top can</td>
<td>MARINE Protection against fresh and salt water, outstanding water-washout resistance</td>
<td>For use in high-humidity conditions</td>
<td>Graphite, calcium, boron nitride, rust inhibitors</td>
<td>Black</td>
<td>-30°C to +1,315°C</td>
<td>0.18</td>
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<tr>
<td>LOCTITE LB 8012</td>
<td>454g brush top can</td>
<td>HIGH LOAD Protection of assemblies during running in period</td>
<td>For assemblies under low speed high load and vibrations, allows maximum clamping from available torque</td>
<td>MoS₂, rust inhibitors</td>
<td>Black</td>
<td>-30°C to +400°C</td>
<td>0.11</td>
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<td><strong>SPECIALTY</strong></td>
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<tr>
<td>LOCTITE LB 8013</td>
<td>454g brush top can</td>
<td>HIGH PURITY Very high purity and excellent lubrication</td>
<td>Especially developed for class 1, 2 and 3 power plant hardware</td>
<td>Graphite, calcium oxide</td>
<td>Grey</td>
<td>-30°C to +1,315°C</td>
<td>0.16</td>
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<tr>
<td>LOCTITE LB 8014</td>
<td>907g can</td>
<td>FOOD GRADE Meets NSF™ code H1 standards for incidental food contact</td>
<td>Prevents seizure, galling and friction in stainless steel and other parts</td>
<td>White oil, EP additives</td>
<td>White</td>
<td>-30°C to +400°C</td>
<td>0.13</td>
<td>0</td>
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<tr>
<td>APPLICATION DETAILS</td>
<td>Extreme temperature resistance</td>
<td>Extreme chemical resistance</td>
<td>Low speeds, high loads</td>
<td>Electrically conductive</td>
<td>Metal-free</td>
<td>Aluminium / soft metals</td>
<td>Stainless steel</td>
<td>Typical industries / applications</td>
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<td>For industries such as transportation and power generation, petrochemicals and refineries. Including heat exchangers, steam lines, fittings of oil &amp; gas burners and all standard assemblies.</td>
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<td>For industries such as transportation and power generation. Including turbo assemblies, exhaust bolts, heat exchangers, steam lines, brake shoes and cams, wheel bolts and nuts and other standard assemblies.</td>
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<td>For industries such as petrochemicals and refineries, and for water treatment plants. Including catalyst beds, gearboxes, dowel pins and threads, alignment pins on centrifuges and all stainless steel applications.</td>
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<td>For industries such as water treatment plants, quarries and marine; for pump housings, turbine inlets, crushers, splines, bushings, gears, chains, pins. <strong>ABS approved</strong></td>
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<td>For industries such as mining and transportation. Including heavy train assembly, centrifuge and stainless steel applications, particularly with constant high-load exposure.</td>
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<td>For nuclear and fossil fuel power plants when minimum chlorides and sulfur are needed. Including reactor vessels, steam generators, turbines and boilers. <strong>PMUC approved</strong></td>
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<td>For the food processing industry, packaging plants, breweries and water treatment plants. Including conveyor components, critical pumps and gearboxes. <strong>NSF H1 approved</strong></td>
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</tbody>
</table>

- **Preferred choice**
- **Good choice**