



LOCTITE[®]

**LEAK PREVENTION AND
INCREASED EFFICIENCY**

**ADHESIVE, SEALANT
AND FUNCTIONAL
COATING SOLUTIONS
FOR FLUID POWER**

Henkel

Henkel Adhesive Technologies

Solutions for Fluid Power

As a fluid power equipment manufacturer, you face demanding market requirements for increased durability, lower cost and greater energy efficiency. Henkel, the leading solution provider for adhesives, sealants and functional coatings, offers expertise throughout the value chain, as well as innovative solutions that provide maximum reliability and cost-effective production.

Your benefits using LOCTITE® adhesives and sealants instead of traditional fastening methods:

Leak-free joints

Lower cost, less complex joining methods

Advanced materials for cleaner and more energy-efficient systems

Integration of electronic parts

Vibration damping solutions

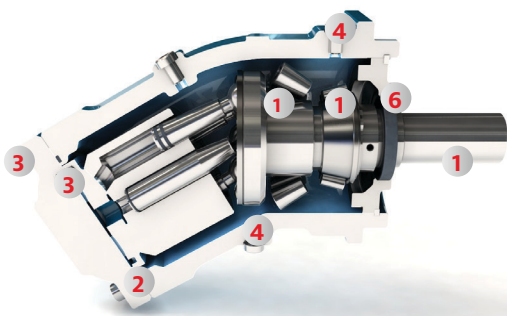
Worldwide product availability and support

Good performance on a variety of substrates

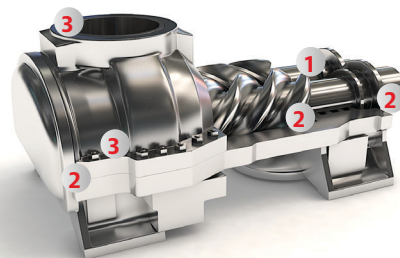
See how LOCTITE® products can solve your design challenges.

<p>1</p>	<p>RETAINING – Securing cylindrical assemblies</p> <ul style="list-style-type: none"> • Higher load transfer with existing design • Prevent fretting, corrosion & micromovements • Slip fits can be used / replace or enhance interference fits 	<p>SOLUTIONS</p> <ul style="list-style-type: none"> • LOCTITE® 638™ • LOCTITE® 620™
<p>2</p>	<p>GASKETING – Sealing flanges</p> <ul style="list-style-type: none"> • 100% metal to metal contact – prevents leaks • Suitable for many flange configurations • Fill surface defects 	<p>SOLUTIONS</p> <ul style="list-style-type: none"> • LOCTITE® 510™ • LOCTITE® 518™ • LOCTITE® SI 5970™
<p>3</p>	<p>THREADLOCKING – Locking threaded fasteners</p> <ul style="list-style-type: none"> • Locking against vibration – no bolt loosening • Fill all voids – prevent relative movement • Prevent corrosion 	<p>SOLUTIONS</p> <ul style="list-style-type: none"> • LOCTITE® 222™ • LOCTITE® 243™

Hydraulic Pump



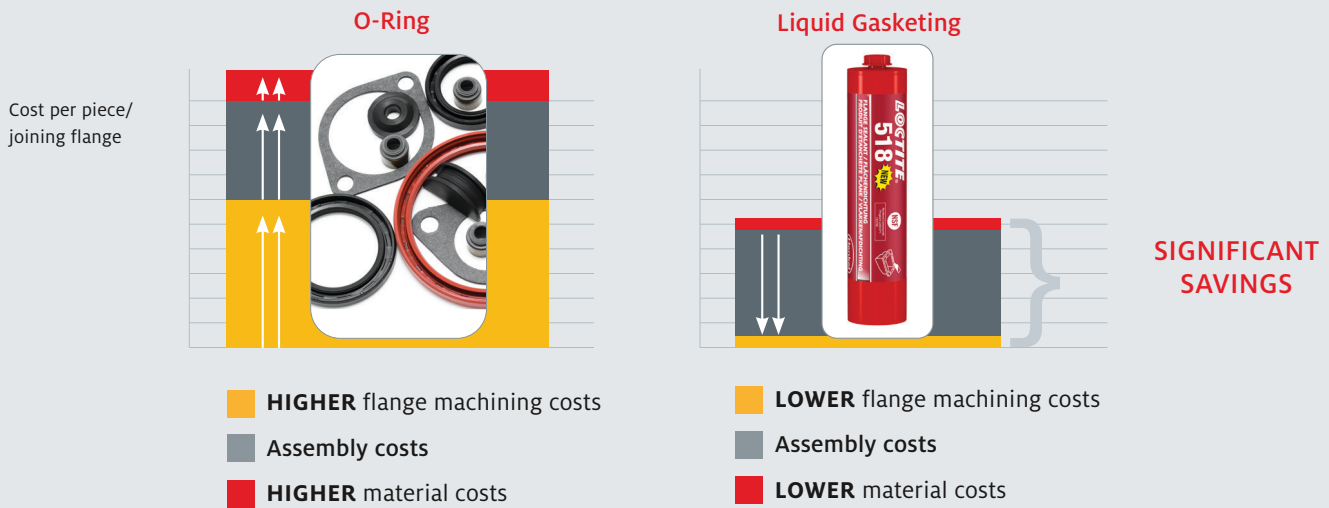
Pneumatic Screw Compressor



To complete the product portfolio across the entire value chain, Henkel offers a comprehensive cleaning and protecting solution range to cover your industrial market needs:

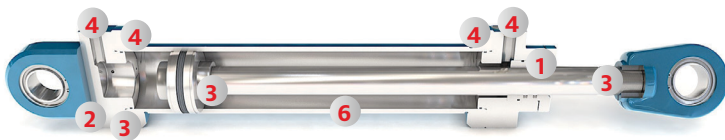
- LOCTITE® cleaners for parts cleaning prior to bonding

O-RING vs. LIQUID GASKETING IN HYDRAULIC MOTORS: COST COMPARISON

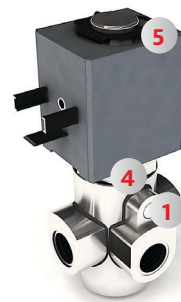


4	THREAD SEALING – Sealing threaded components <ul style="list-style-type: none"> Seal against aggressive fluids / high pressure Prevent corrosion Resist vibration, pressure impacts, bending and different thermal expansion 	SOLUTIONS <ul style="list-style-type: none"> LOCTITE® 577™
5	POTTING – Encapsulating and isolating <ul style="list-style-type: none"> Protect components against impact, vibration, thermal shocks and dust Prevent contamination and corrosion 	SOLUTIONS <ul style="list-style-type: none"> LOCTITE® EA E-30CL™
6	GENERAL BONDING – Joining and sealing dissimilar materials <ul style="list-style-type: none"> Fill gaps, allow wider tolerances Resist vibration and reduce noise 	SOLUTIONS <ul style="list-style-type: none"> LOCTITE® HY 4090™

Hydraulic Cylinder



Flow Control Valve



To learn more about LOCTITE® solutions for fluid power, contact your Henkel representative or visit na.henkel-adhesives.com/fluidpower



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