



# Product information

## Retainer R138

**Bardahl Retainer R138** is a single component high viscosity, high strength anaerobic resin used for bonding rigid assemblies of all types. It also can be used effectively to increase the strength of most mechanical assemblies.

**Bardahl Retainer R138** are used in the assembly of coaxial components such as bearings, gears shafts, bushes, pulleys and rotors. They increase the load bearing characteristics of cylindrical joints, reducing assembly stresses and assembly costs.

### Applications

**Bardahl Retainer R138** locks keys and splines. Eliminates backlash in worn assemblies. Locks bearing in place, preventing spin-out. Bonds rotor to shafts in fractional and sub fractional horsepower motors. Locks bushing and sleeves in housings and on to shafts. Augments press fits. Restores the fit to worn assemblies or out of tolerance parts. This high viscosity product is not recommended for extremely close of interference fits. For large gaps, use of a primer to ensure a fast, full cure is advisable.

### Directions

Where cure speed is long, acceptable bond times can be obtained by treating the parts with a primer. Heat may be required for disassembly. Ensure parts are clean, dry and free from oil and grease.

### Analytical-data

Colour	Green
Upholstering	0.25mm
Viscosity cPs	2000
Draw strength/ strength at crack	28 Nm
Flashpoint	> 90°C
Temperature reach	-50° tot 150°C
Harding time	10-30 min
Fully harden	24 hours
Military grade	Type III

### MECHANISM OF BARDAHL ANAEROBIC

BARDAHL NL – OCD INTERNATIONAL

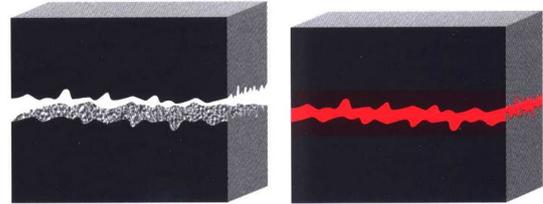
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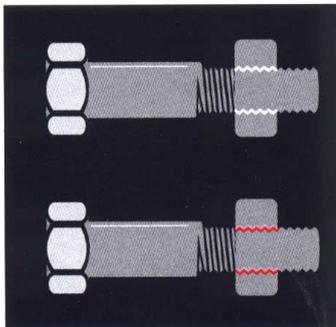
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## LOCKING AND SEALING

Microscopic irregularities exist even with Precision machined parts. It reduces gaps at contact between assembled parts. **Bardahl Threadlock** fills these gaps allowing maximum contact and evenly distributing forces across the joint.



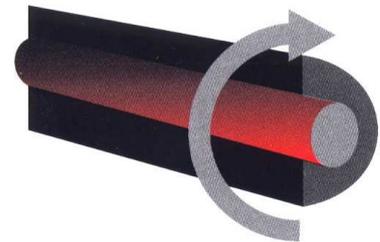
Sealing Microscopic Surface Irregularities



Locking and Sealing Threads

Bardahl anaerobic adhesive fill threads completely and prevents loosening from movement and vibration. Anaerobics are available with predetermined break points and equivalent strengths

Bardahl anaerobic gaskets permit the application of maximum metal to metal clamp load. Unlike pre-cut gaskets, they do not weaken or creep. There is no need to re-torque Bardahl retaining adhesives augment the strength of interferences fits and to permit the design of slip fitted assemblies. The seal resists moisture penetration and corrosion.



Retaining Cylindrical Assemblies

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