

Retainer R01

Technical Data Sheet

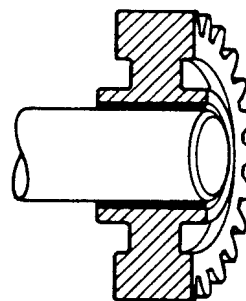
GENERAL INFORMATION:

SAF-T-LOK anaerobic adhesive/sealants are specialized, single component solvent free liquids and pastes, custom formulated to lock, seal, retain, and bond metal parts and assemblies.

Stable in the presence of air, these products solidify when placed between two mating metal parts forming resilient, vibration and leak resistant bonds and seals. **SAF-T-LOK** adhesive/sealants provide valuable performance characteristics including resistance to ordinary, as well as fretting corrosion, galvanic attack, and vibrational loosening over a wide temperature range, while still allowing disassembly with ordinary tools where desired.

PRODUCT DESCRIPTION:

SAF-T-LOK R01 is a general purpose, low viscosity, fast curing retaining compound with performance capabilities to 350°F. It was developed for bonding mating cylindrical surfaces such as bushings, bearings, gears, hubs and pulleys onto shafts and splines; and to augment the strength of press fits. **SAF-T-LOK R01** will cure to full strength in 1-6 hours, depending on configuration and clearances, but faster cure is obtainable with **SAF-T-LOK PRIMER**, or by heating to 250°F for 10-20 minutes.



SAF-T-LOK R01 satisfies **TYPE I** for **MIL R 46082** and **ASTM 4562** specifications.

BENEFITS:

REDUCES COSTS

Eliminates costly machining such as milling, threading, drilling, tapering, broaching, knurling, and reaming needed for mechanical locking systems; or, close tolerances and smooth finishes needed for press fits, by allowing the use of slip fits. Restores proper fit to worn assemblies, or assemblies out of tolerance.

IMPROVES RELIABILITY

Eliminates fretting corrosion and vibration induced loosening. Augments strength of press fits.

EASY AND SAFE TO USE

One part adhesive requires no measuring, mixing, or heating to solidify. No build-up on dispensing; wipes up conveniently for cleaning. Little or no odor for a safe and pleasant work place. Wide variety of application methods available to suit specific needs.

IMPORTANT NOTICE: All statements and technical data contained herein are based on tests we believe to be reliable, but the accuracy of completeness thereof is not guaranteed. It is recommended that the buyer test this product to determine its suitability for his application before use. **SAF-T-LOK Corporation** is not responsible for loss, claim or damages resulting from use of its products

PHYSICAL CHARACTERISTICS:

MEETS TYPE I FOR MIL R 46802 AND ASTM 4562

UNCURED

Resin	Dimethacrylate
Color	Green
Viscosity	125cps.
Specific Gravity	1.1
Flash Point	>250°F
Toxicity	Low
Corrosivity	None
Storage Stability	12 mo. @ <80°F

CURED

Shear Strength	3000psi
Full Cure	1-6 Hrs.
Cure Speed	(See CURE SPEED plot)
Temperature Range	-65°F to 350°F
Gap Filling	0.002-0.005in.
Chemical Resistance	Excellent

CURE SPEED of R01 on STEEL

