



# LOCTITE® 5452™ Fast Cure Thread Sealant for Sealing High Pressure Gaseous and Fluid Power Systems

## Benefits of LOCTITE® Hydraulic & Pneumatic Sealants:

- Seal and secure used or new metal pipes and fittings by filling the air space between the threads
- Contain no fillers or particles that could contaminate system fluids, foul valves, or clog fine filters or screens
- Lock fittings from vibrational loosening, while controlled strength assures easy disassembly

## Added benefits of LOCTITE® 5452™:

- Immediate low-pressure sealing
- Fast cure speed: On average, 4 times faster than traditional anaerobic sealants
- Gel formula, well suited for any size NPT, O-ring boss (ORB) or JIC fittings, even large fittings, gaps or threads
- Seals mating surfaces of flare-style fittings, filling scratches and surface imperfections
- Works well with dry seal fittings, such as ORB-style connectors, to prevent rotation that ultimately leads to leakage
- Primerless formula cures quickly even on stainless or inert metals

LOCTITE® Product	Item Number	Package Type & Size	Color	Viscosity (cP)	Temperature Range	Pressure Resistance (psi)	Typical Use
<b>LOCTITE® 5452™ Fast Cure Thread Sealant</b>	1265769	50 ml tube	Purple	29,000/200,000 thixotropic	-65°F to 300°F (-54°C to 149°C)	10,000	Pneumatic/hydraulic sealant, no fillers
	1265770	250 ml tube					



## Benefits of LOCTITE® Thread Sealants:

- Prevent leaks – LOCTITE® anaerobic sealants cure rather than dry, so they won't shrink or crack, thus eliminating leak paths and ensuring complete contact between the threads for a 100% seal.
- Single component; easy to apply
- Allow for adjustments
- Will not creep, shred, contaminate or block systems (including filters)
- Prevent corrosion and galling in threads
- Ease both assembly and disassembly



The complete line of LOCTITE® Thread Sealants offers the solution to meet a variety of applications and challenges. For the most common maintenance products, see the chart below.

GENERAL PURPOSE			
LOCTITE® Solution	Description	Part Number	Package Size
LOCTITE® 565™ Thread Sealant	Controlled strength for metal tapered pipe fittings. CSA 3319-01 and 3319-81. UL MH007 (N). NSF/ANSI 61 Certified.	56507 56531 56541 56571	6 ml tube 50 ml tube 250 ml tube 300 ml cartridge
LOCTITE® 561™ Stick with PTFE	Semisolid formula offers portability and convenient use on metal tapered pipe. NSF/ANSI 61 Certified.	37127	19 g stick
LOCTITE® Head Bolt & Water Jacket Sealant	Low-strength sealant lubricates and seals threaded fasteners. Ideally suited for bolts that penetrate through water jackets.	1158514	50 ml tube

PNEUMATIC & HYDRAULIC FITTINGS			
LOCTITE® Solution	Description	Part Number	Package Size
LOCTITE® 545™ Thread Sealant	Contains no fillers or particles that could contaminate system fluids, foul valves, or clog fine filters and screens. ABS Approved.	32429 54531 54541	10 ml bottle 50 ml bottle 250 ml bottle
LOCTITE® 5452™ Thread Sealant	Similar features of LOCTITE® 545™ but with a faster cure. Gel-like, primerless formulation.	1265769 1265770	50 ml tube 250 ml tube

HIGH TEMPERATURE APPLICATIONS			
LOCTITE® Solution	Description	Part Number	Package Size
LOCTITE® 567™ Thread Sealant	Excellent solvent resistance, allows easy assembly, prevents galling, and can withstand temperatures up to 400°F (204°C). ABS Approved.	56747 56765 33241 56790	50 ml tube 250 ml tube 350 ml brush can 1 liter bottle
LOCTITE® 5770™ Thread Sealant	Seals threaded pipe fittings in applications requiring continuous heat resistance up to 530°F (277°C).	1138284 1138281	50 ml tube 250 ml tube

PLASTIC PARTS			
LOCTITE® Solution	Description	Part Number	Package Size
LOCTITE® No More Leaks™	Seals plastic pipes and allows easy disassembly. Specially formulated without the added lubricity of PTFE to avoid typical cracks when plastic joints are overtightened.	1537780	16 oz. brush-top can

