

THREAD LOCKERS

Traditional fastening methods have gaps.
Threadlockers fill them.



PROBLEM

Without Threadlockers:
Vibrational loosening
due to 85% air gap.



SOLUTION

With Threadlockers:
There's no vibrational
loosening, and no gaps.

Tighten your operation. Eliminate loosening.

Threadlockers lock and seal your threaded assemblies, protecting against vibration, corrosion and galling. Depending on your need, you have to choose the right Threadlocker and consider strength, form and removability. Which one will you need? LOCTITE® makes your choice easy.

Find the right product for your application



DISASSEMBLY

Low Strength

LOCTITE® 222™

Medium Strength

LOCTITE® 243™

LOCTITE® 248™

LOCTITE® 290™

High Strength

LOCTITE® 263™

LOCTITE® 268™

LOCTITE® 277™

LOCTITE® 272™

* Pre-torqued to 5 N.m

Low Strength THREADLOCKERS



222™
General Purpose



Disassembly: Removable with hand tools

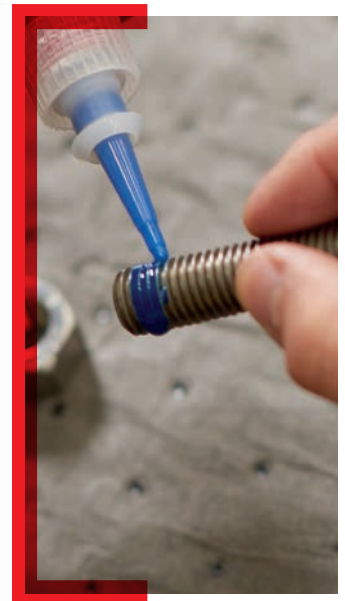


Form: Liquid



Temperature Resistance: 150°C

Viscosity: 1,200 cP Thixotropic
Breakloose Torque*: 14 N.m
Fixture Speed: 20 minutes
Full Cure: 24 hours



Medium Strength THREADLOCKERS



243™
General Purpose



Disassembly: Removable with hand tools



Form: Liquid



Temperature Resistance: 180°C

Viscosity: 2,000 cP Thixotropic
Breakloose Torque*: 24 N.m
Fixture Speed: 10 minutes
Full Cure: 24 hours



248™
No-drip, No-mess



Disassembly: Removable with hand tools



Form: Semi-solid wax



Temperature Resistance: 150°C

Viscosity: Semi-solid
Breakloose Torque*: 25 N.m
Fixture Speed: 5 minutes
Full Cure: 24 hours



290™
Wicking Grade



Disassembly: Removable with hand tools



Form: Liquid



Temperature Resistance: 150°C

Viscosity: 40 cP
Breakloose Torque*: 30 N.m
Fixture Speed: 20 minutes
Full Cure: 24 hours

High Strength

THREADLOCKERS



263™
General Purpose



Disassembly: Removable with standard hand tools, where hand tools do not work, apply localised heat.



Form: Liquid



Temperature Resistance:
180°C

Viscosity: 500 cP
Breakloose Torque*: 39 N.m
Fixture Speed: 10 minutes
Full Cure: 24 hours



268™
No-drip, No-mess



Disassembly: Removable with standard hand tools, where hand tools do not work, apply localised heat.



Form: Semi-solid wax



Temperature Resistance:
150°C

Viscosity: Semi-solid wax
Breakloose Torque*: 40 N.m
Fixture Speed: 5 minutes
Full Cure: 24 hours



277™
Large Bolts, High Chemical Resistance



Disassembly: Removable with standard hand tools, where hand tools do not work, apply localised heat.



Form: Liquid



Temperature Resistance:
150°C

Viscosity: 7,000 cP
Breakloose Torque*: 38 N.m
Fixture Speed: 45 minutes
Full Cure: 24 hours



272™
Large Bolts, High Temperature



Disassembly: Removable with standard hand tools, where hand tools do not work, apply localised heat.



Form: Liquid



Temperature Resistance:
232°C

Viscosity: 6,000 cP
Breakloose Torque*: 23 N.m
Fixture Speed: 45 minutes
Full Cure: 24 hours

How to choose a threadlocker.



STRENGTH & DISASSEMBLY

From heavy equipment and permanent assemblies to mounting bolts and adjustment screws, LOCTITE® has your Threadlocker.

LOW STRENGTH

Primarily used on adjustment screws, calibration screws, meters and gauges. They have high disassembly frequency and are removable with hand tools.

MEDIUM STRENGTH

Great for machine tools and presses, pumps and compressors, mounting bolts and gearboxes. They have normal disassembly frequency and are removable with hand tools.

HIGH STRENGTH

Used for more permanent assemblies, heavy equipment, suspension bolts, motor and pump mounts, cap bolts and studs. These are rarely disassembled and require localised heat for effective removal.



FORM

Threadlockers come in a variety of different forms ranging from liquid, which flow smoothly into gaps and spaces, to semi-solid, a no-drip, no-mess formulation ideal for overhead applications. Knowing your application will help you select the correct Threadlocker.



TEMPERATURE RESISTANCE

LOCTITE® Threadlockers are formulated to withstand extreme temperatures for continuous service from application to removal.



THREADLOCKERS

Product	Item Number	Pack Size	Colour	Features	Viscosity [cP]	Thixotropic [yes/no]	Breakloose Torque* / Prevail Torque [N.m], M10 steel nuts & bolts	Temperature Range	Fixture Time [min]
LOW STRENGTH									
222™	471660	10ml	Purple	Small screws (up to M10)	1,200	Yes	14 / 14	-55°C to 150°C	20
	231499	50ml							
	1496888	250ml							
425™	135461	20g	Blue	Small screws for both metal & plastic, also used for tamper-proofing	80	No	0.36 / 0.23**	-55°C to 85°C	1
MEDIUM STRENGTH									
243™	1311375	10ml	Blue	General Purpose (up to M36), Primerless	2,150	Yes	24 / 4	-55°C to 180°C	10
	1311321	50ml							
	1311323	250ml							
242™	135355	50ml	Blue	General Purpose (up to M20), Mil-S-46163A / ASTM D5363 tested	1,200	Yes	14 / 5***	-55°C to 150°C	5
248™	504466	19g	Blue	Semi-solid stick (up to M24) ideal for overhead / hard to reach areas, Primerless	Semi-solid wax	-	25	-55°C to 150°C	5
290™	1175229	10ml	Green	Wicking grade for preassembled fasteners (up to M12), has porosity sealing capabilities (welds, castings)	35	No	30 / 30	-55°C to 150°C	20
	1496855	50ml							
	235226	250ml							
HIGH STRENGTH									
263™	1374241	10ml	Red	General Purpose (up to M24), Primerless	500	No	39 / 25	-55°C to 180°C	10
	1331618	50ml							
	1331536	250ml							
262™	135374	50ml	Red	General Purpose (up to M20), Mil-S-46163A / ASTM D5363 tested	1800	Yes	38 / 40	-55°C to 150°C	15
	135375	250ml							
268™	511535	19g	Red	Semi-solid stick (up to M24) ideal for overhead / hard to reach areas, Primerless	Semi-solid wax	-	40	-55°C to 150°C	5
271™	135380	10ml	Red	Up to M24, Mil-S-46163A / ASTM D5363 tested (only 10 & 50ml)	500	No	29 / 32***	-55°C to 150°C	10
	135381	50ml							
	232543	250ml							
272™	88442	50ml	Red	High Thermal Stability, for large bolts (>M24) with fine threads	9,000	No	23 / 25	-55°C to 232°C	45
277™	232658	50ml	Red	High Chemical Resistance, for large bolts (>M24) with coarse threads	7,000	No	38 / 40	-55°C to 150°C	30
	1496860	250ml							

* Pre-torqued to 5 N.m

** Breakaway / Prevail Torque on Zinc Plated Fasteners

*** Breakaway / Prevail Torque, M10 steel nuts & bolts