

High Temperature Stainless

Product Description

Never-Seez® High Temperature Stainless is a superior, high temperature anti-seize and extreme pressure lubricant which protects up to 2200°F (1204°C). It contains fine metallic and graphite particles suspended in a specially formulated grease. Recommended when applications prohibit the presence of nickel, especially when resistance to corrosive acidic and caustic solutions is required.

Product Benefits

- Excellent resistance to corrosion
- Prevents seizure at high temperatures
- Resists galvanic action between dissimilar metals
- Speeds disassembly
- Prevents galling
- Resists alkaline solutions, chemical and acid vapors, road salt, steam, salt water and iodized water

Product Applications

- Fasteners in steel mills and power plants
- Stainless steel pipe fittings, flanges, pump fittings and unions
- Fasteners in exhaust manifolds
- Reactor bolts
- Turbine bolts
- Gauges and fittings

Limitations

- Never-Seez® High Temperature Stainless is not recommended for high speed bearing applications. Never-Seez® Red Bearing Lubricant is suggested for these applications.
- In applications where indirect food contact is possible, use USDA approved Never-Seez® White Food Grade with PTFE.

Other Anti-Seize Lubricants

- Regular Grade
- Nuclear Grade, Nickel Special
- Pure Nickel Special
- Nuclear Grade, High Temperature Stainless
- Blue Moly Lubricant
- Black Moly Lubricant
- Red Bearing Lubricant
- White Food Grade with PTFE
- High Temperature Bearing Lubricant
- Pipe Compound with Teflon®
- Mariner's Choice
- Heavy Metal Free
- PetroChem Grade



Technical Specifications

Color	Silver Gray	
Temperature Resistance, °F (°C)	-297°F to 2200°F (-183°C to 1204°C)	
Thickener Type	Lithium Soap	
Particle Size, mil (microns)	2 maximum (50 µ)	
Density (g/cm ³)	1.15 to 1.24	
ASTM Test Method		
Flash Point, °F (°C)	>300°F	D-92
Copper Corrosion Test @ 212°F (100°C), 24 hrs.	No corrosion	D-130
Worked Penetration, 60 strokes @ 77°F (°C)	260-310	D-217
NLGI Grade	1/2	D-217
Dropping Point, °F (°C)	>360°F (182°C)	D-566
Water Washout, % loss @ 100°F	<2	D-1264
	@ 175°F	<5
Coefficient of Friction @167°F (75°C), Four Ball	0.092	D-2266
Torque Coefficient, k factor	0.16	
Four Ball EP	Load Wear Index	55.6 D-2596
	Last Non-seizure Load (scar)	50 kgf (0.40 mm)
	Last Seizure Load (scar)	400 kgf (2.59 mm)
	Weld Load	500 kgf

Ingredients: A special, high quality grease containing graphite, stainless and other additives.

Shelf Life: Never-Seez® High Temperature Stainless compound does not deteriorate with age when stored unopened at temperatures below 120°F (49°C). Quality and performance are guaranteed for five years from the date of manufacture on unopened containers.

How Never-Seez High Temperature Stainless Affects Torque:

Compared to unlubricated fasteners, the use of Never-Seez High Temperature Stainless can be viewed 2 ways:

- (1) It provides up to 14% MORE clamping force when applying the SAME amount of torque!
- (2) It provides the SAME clamping force when applying up to 14% LESS torque!

IMPORTANT!

- In order to best represent typical torque reduction values, Bostik references a “K-Factor” for unlubricated carbon steel fasteners of 0.185.
- Proper torque is critical and, if not clearly understood, users may over-torque their fasteners which may lead to costly damage. BOSTIK is not liable for any damages incurred. Refer to the Bostik standard warranty for details.

Use in accordance with Material Safety Data Sheet.

Ordering Information:

NEVER-SEEZ® HIGH TEMPERATURE STAINLESS

STOCK NUMBER	DESCRIPTION	SIZE
NSS-160	Flat Top	1 lb.
NSSBT-8	Brush Top	8 oz.
NSSBT-16	Brush Top	1 lb.
NSS-42B	Pail	42 lbs.
NSS-425B	Drum	425 lbs.

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