

# Pure Nickel Special

## Product Description

Never-Seez® Pure Nickel Special is a superior, high temperature anti-seize and extreme pressure lubricant containing flake particles of pure nickel, graphite and other additives in a special grease carrier found to enhance anti-seize performance.

Recommended for use when applications prohibit the presence of copper, especially when resistance to corrosive acidic and caustic solutions is required.

## Product Benefits

- Excellent heat dispersing qualities
- Minimizes corrosion
- Prevents seizure at high temperatures
- Resists galvanic action between dissimilar metals
- Enables fast disassembly-even after high temperature exposure
- Prevents galling on steel to stainless steel, titanium, magnesium and other hard metals
- Resists alkaline solutions, most chemical and acid vapors, road salt, steam, salt water, ionized water

## Product Applications

- Fittings, fasteners exposed to high temperatures in steel mills, power plants, nuclear plants
- Stainless steel pipe fittings, flanges, pump fittings
- Fasteners in exhaust manifolds and boilers
- Steam generators
- Assembly of dissimilar metals

## Limitations

- Never-Seez® Pure Nickel Special 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.

## Other Anti-Seize Lubricants

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



## Technical Specifications

Color	Silver	
Temperature Range, °F (°C)	-297°F to 2400°F (-183°C to 1316°C)	
Thickener Type	Lithium Soap	
Particle Size, mil (microns)	2 maximum (50 μ)	
Density, (g/cm <sup>3</sup> )	1.24 - 1.3	
		ASTM Test Method
Flash Point, °F (°C)	>475°F (>246°C)	D-92
Copper Corrosion Test @ 212°F (100°C), 24 hrs.	No corrosion	D-130
Worked Penetration: 60 strokes @ 77°F (25°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	0.158	
Four Ball EP Load Wear Index	68	D-2596
	Last Non-seizure Load (scar)	79 kgf (0.59 mm)
	Last Seizure Load (scar)	250 kgf (1.46 mm)
	Weld Load	315 kgf

## Electrical Properties

		D-150
Cycles	Dissipation Factor	Dielectric Constant
1,000	0.0227	10.56
10,000	0.0347	10.26

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Specifications: MIL-A-907; Ford ESE-M12A4-A; Ford WSD-M13P8-A1; Boeing BAC 5008 Type 7-3; U.T. Pratt & Whitney PWA 36053-1; G.E. Engine A50-TF198 Class A; G.E. D6Y28; Garrett Engine PCS5721.

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**Ingredients:** A special, high-quality grease with graphite, pure nickel and other additives. Contains no molybdenum disulfide, lead, or mercury except as trace elements.

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**Shelf Life:** Never-Seez® Pure Nickel Special 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.

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**How Never-Seez Pure Nickel Special Affects Torque:**

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Compared to unlubricated fasteners, the use of Never-Seez Pure Nickel Special can be viewed 2 ways:

- (1) It provides up to 15% MORE clamping force when applying the SAME amount of torque!
- (2) It provides the SAME clamping force when applying up to 15% 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.**

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**Ordering Information:**

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NEVER-SEEZ® PURE NICKEL SPECIAL

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STOCK NUMBER	DESCRIPTION	SIZE
NSN-165	Flat Top	1 lb.
NSN-8	Flat Top	8 lb.
NSBT-8N	Brush Top	8 oz.
NSBT-16N	Brush Top	1 lb.
NSN-42B	Pail	42 lbs.
NSN-130B	Drum	130 lbs.
NSN-425B	Drum	425 lbs.

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