



NEVER-SEEZ®

PURE NICKEL SPECIAL

KEY FEATURES

- Protects parts up to 2400°F
- Ensures absolute parts protection against corrosion, seizure, galling, rust
- Meets GE Aviation A50TF198 S2 Specification and GE EMPIS D6Y28C1 Specification

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.

BENEFITS

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

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 bearings.



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 ³)	1.24 - 1.3	
		ASTM Test Method
Flash Point, °F (°C)	>485°F (>250°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 @ 175°F	<2.0% <5.0%	D-1264
Coefficient of Friction @ 167°F (75°C), 4 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	

- Not recommended for use in pure oxygen and/or oxygen rich systems.
- In applications where incidental food contact is possible, use NSF H1 certified Never-Seez® White Food Grade with PTFE.

INGREDIENTS

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

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, under normal storage and usage.

HOW NEVER-SEEZ® PURE NICKEL SPECIAL AFFECTS TORQUE

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

- 1) It provides the SAME clamping force when applying up to 15% LESS torque!
- 2) It provides up to 17% MORE clamping force when applying the SAME amount of 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.

Use in accordance with Safety Data Sheet.

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

Specifications: Ford ESE-M12A4-A; Ford WSD-M13P8-A1; Boeing BAC 5008 Type 7-3; U.T. Pratt & Whitney PWA 36053-1; GE Engine A50TF198 S2; GE D6Y28C1 S6; Garrett Engine PCS5721.

LIMITED WARRANTY

Limited Warranty found at www.bostik.com/us or call 800-726-7845. TO THE MAXIMUM EXTENT ALLOWED BY LAW, BOSTIK DISCLAIMS ALL OTHER EXPRESS OR IMPLIED WARRANTIES, INCLUDING WITHOUT LIMITATION WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. UNLESS OTHERWISE STATED IN THE LIMITED WARRANTY, THE SOLE REMEDY FOR BREACH OF WARRANTY IS REPLACEMENT OF THE PRODUCT OR REFUND OF THE BUYER'S PURCHASE PRICE. BOSTIK DISCLAIMS ANY LIABILITY FOR DIRECT, INCIDENTAL, CONSEQUENTIAL, OR SPECIAL DAMAGES TO THE MAXIMUM EXTENT ALLOWED BY LAW. DISCLAIMERS OF IMPLIED WARRANTIES MAY NOT BE APPLICABLE TO CERTAIN CLASSES OF BUYERS AND SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS MAY NOT APPLY TO YOU. It is the buyer's obligation to test the suitability of the product for an intended use prior to using it. The Limited Warranty extends only to the original purchaser and is not transferable or assignable. Any claim for a defective product must be filed within 30 days of discovery of a problem, and must be submitted with written proof of purchase.

ORDERING INFORMATION

NEVER-SEEZ® Pure Nickel Special			
Stock Number	Description	Size	Item #
NSN-165	Flat Top	1 lb.	BNPNS1-FTC12
NSBT-8N	Brush Top	8 oz.	BNPNS8BTC12
NSBT-16N	Brush Top	1 lb.	BNPNS1-BTC12
NSN-42B	Pail	42 lbs.	BNPNS42PS1
NSN-425B	Drum	425 lbs.	BNPNS425D1

BOSTIK HOTLINE

Smart help
1-800-726-7845

Bostik, Inc.
11320 W Watertown Plank Road
Wauwatosa, WI 53226
www.bostik.com/us

N14-02.22.17

