

## Other Anti-Seize Lubricants

- Regular Grade
- High Temperature Bearing Lubricant
- High Temp Stainless
- Pipe Compound with Teflon®
- High Temp Stainless, Nuclear Certified
- Marine Grade
- Blue Moly Lubricant
- Black Moly
- Red Bearing Lubricant
- White Food Grade with PTFE
- Pure Nickel Special

**Ingredients:** A special, high-quality bearing 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, Nuclear Grade 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.

Use in accordance with Material Safety Data Sheet.

### Ordering Information:

#### PURE NICKEL SPECIAL, NUCLEAR GRADE

STOCK NUMBER	DESCRIPTION	SIZE
NG-165	Flat Top	1 lb.
NG-4	Flat Top	4 lb.
NG-8	Flat Top	8 lb.
NGBT-8	Brush Top	8 oz.
NGBT-16	Brush Top	1 lb.

#### Maximum Specification Limits

Arsenic, As	<50 ppm
Antimony, Sb	<50 ppm
Bismuth, Bi	<50 ppm
Cadmium, Cd	<50 ppm
Gallium, Ga	<50 ppm
Indium, In	<50 ppm
Lead, Pb	<10 ppm
Mercury, Hg	<1 ppm
Silver, Ag	<50 ppm
Tin, Sn	<50 ppm
Zinc, Zn	<50 ppm
Total Chlorine	<200 ppm
Total Nitrate	<200 ppm
Total Sulfur	<200 ppm
Total Phosphorous	<200 ppm

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## PRODUCT DATA

# Pure Nickel Special, Nuclear Grade

### Product Description

Never-Seez® Pure Nickel Special, Nuclear Grade is specially tested and certified pure for use in nuclear power plants. Each production lot of Nuclear Grade Never-Seez is tested for contaminants of sulfur, halogens and low-melt metals and each container is labeled with the lot number that certifies purity.

Never-Seez® Pure Nickel Special, Nuclear Grade 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, Nuclear Grade 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.



### Technical Specifications

Color	Silver	
Temperature Range, °F (°C)	-297°F to 2400°F (-183°C to 1316°C)	
Particle Size, mil (microns)	2 mil (50 μ ) maximum	
Solvent Resistance	Excellent in water, salt water, and ionized water	
Density, (g/cm <sup>3</sup> )	1.28 to 1.32	
		ASTM Test Method
NLGI Grade	1/2	D-217
Flash Point, °F (°C), open cup	>482°F (>250°C)	D-92
Worked Penetration	300-350	D-217
Dropping Point, °F (°C)	360°F (182°C)	D-566
Coefficient of Friction @ 167°F (75°C)	0.092	D-2266
Torque Coefficient, k factor	0.158	
Copper Corrosion Test:		
@ 212°F (100°C), 24 hrs.	No corrosion	
Extreme Pressure Properties, psi	32,000	D-2596

Specifications: G.E., Atomic Equipment Division, #D50YP12; 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; Garrett Engine PCS5721.