

# Regular Grade

## Anti-Seize & Lubricating Compound

### Product Description

Never-Seez<sup>®</sup> Regular Grade is a superior, anti-seize and extreme pressure lubricant formulated to protect metal parts against rust, corrosion and seizure. Copper and graphite particles in a special grease protect parts even in high heat, high pressure and corrosive environments.

### Product Benefits

- Keeps parts working longer with less wear
- Minimizes parts replacement costs
- Enables faster disassembly when repairs are needed (even after exposure to high temperatures)
- Protects against carbon fusion
- Resists alkaline solutions, most chemical and acid vapors, road salt, steam, salt water, iodized water
- Prevents galling on steel to stainless steel, titanium, magnesium, and other hard metals

### Product Applications

- Nuts, bolts, screws
- Pipe fittings
- Boom guides
- Valve assemblies
- Pump mountings
- Chain drives
- Machinery
- Shafts
- Gaskets
- Press fit assemblies
- Taps and drills
- Packing glands
- Metal fittings

### Limitations

- Never-Seez<sup>®</sup> Regular Grade is not recommended for high speed bearings. Never-Seez<sup>®</sup> Red Bearing Lubricant is suggested for these applications.
- For temperature resistance to 2400°F (1316°C), use Never-Seez<sup>®</sup> Pure Nickel Special.
- For applications where the presence of copper is prohibited, use Never-Seez<sup>®</sup> Nickel Grade, Nuclear Grade or Never-Seez<sup>®</sup> Blue Moly.

### Other Anti-Seize Lubricants

- Nuclear Grade, Nickel Special
- Pure Nickel Special
- High Temperature Stainless
- High Temperature Stainless, Nuclear Certified
- Blue Moly Lubricant
- Black Moly Lubricant
- Red Bearing Lubricant
- White Food Grade with PTFE
- High Temperature Bearing Lubricant
- Pipe Compound with Teflon<sup>®</sup>
- Lithium EP Grease
- Mariner's Choice
- Heavy Metal Free
- PetroChem Grade



### Technical Specifications

Color	Silver Gray		
Temperature Range, °F (°C)	-297°F to 1800°F (-183°C to 982°C)		
Thickener Type	Lithium Soap		
Particle Size, mil (microns)	2 maximum (50 μ)		
Density (g/cm <sup>3</sup> )	1.15-1.24		
		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	0.30	D-1264	
	@ 175°F		2.10
Coefficient of Friction @ 167°F (75°C), Four Ball	0.06	D-2266	
Torque Coefficient, k factor	0.13		
Four Ball EP	Load Wear Index	81	D-2596
	Last Non-seizure Load (scar)	63 kgf (0.41 mm)	
	Last Seizure Load (scar)	400 kgf (1.87 mm)	
	Weld Load	500 kgf	

### Electrical Properties

	Dissipation Factor	Dielectric Constant	Resistivity OHMS-cm	Conductivity Mhos/cm
Cycles				
1,000	0.0255	14.6	4.2 x 10 <sup>9</sup>	4.32 x 10 <sup>-9</sup>
10,000	0.0310	13.4	3.5 x 10 <sup>9</sup>	3.77 x 10 <sup>-10</sup>

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**Ingredients:** Contains a special, high-quality grease with graphite, copper flake, aluminum powder and zinc oxide.

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**Shelf Life:** Never-Seez® Regular Grade 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 Regular Grade Affects Torque:**

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Compared to unlubricated fasteners, the use of Never-Seez “Regular-Grade” can be viewed 2 ways:

- (1) It provides up to 30% MORE clamping force when applying the SAME amount of torque!
- (2) It provides the SAME clamping force when applying up to 30% 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® REGULAR GRADE ANTI-SEIZE AND LUBRICATING COMPOUND

STOCK NUMBER	DESCRIPTION	SIZE
NS-160	Flat Top	1 lb.
NS-168	Flat Top	8 lbs.
NSA-16	Aerosol Spray	16 oz.
NSBT-4	Brush Top	1/4 lb.
NSBT-8	Brush Top	8 oz.
NSBT-16	Brush Top	1 lb.
NSC-1	Cartridge	1 lb.
NS-10	Tube	1 oz.
NSB-4	Tube	1/4 lb.
NS-42B	Pail	42 lbs.
NS-130B	Drum	130 lbs.
NS-425B	Drum	425 lbs.

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