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Avoiding Bolt & Nut Galling

ISSUE DATE:	January 17, 2024	PART NUMBER(S):	N/A
SUBJECT:	Avoiding thread galling	PRODUCT LINE:	SafeRack
TOPIC:	APPLYING SILVER ANTI-SEIZE TO BOLT AND NUT DURING INSTALLATION		

OVERVIEW

We use stainless steel bolts and nylock stainless steel nuts on many of our products. Galling is a common issue we're aware of in the field. Thankfully, when stainless bolts/nuts will not tighten, anti-seize lubrication can be used to reduce galling, allowing the nuts and bolts to slide without causing friction. Whether galling develops during installation or when the hardware is removed for re-use on a safety cage, the use of anti-seize to the bolts during installation can remedy the problem.

WARNING:

ALL STAINLESS STEEL THREADED BOLTS AND NUTS MUST BE ASSEMBLED USING ANTI-SEIZE TO AVOID THREAD GALLING.



DETAILS	
Anti-Seize Type	General Purpose Anti-Seize
Base Composition	Metal-Free
Lubricant Container	Tube
Max. Operating Temp.	1,600 Degrees F
Min. Operating temp.	-20 Degrees F
Lubricant Color	Silver
NSF Rating	Not Rated
Lubricant Additives	Graphite
Physical Form	Paste
Net Weight	.25 oz
Standards	CFIA Listed
Color	Silver
Flash point	199 Degrees F
Application	Lubricates and permits easy disassembly of metal assemblies
Specific Gravity	1.25
Lubricant NSF Rating	Not Rated
VOC Content	3%
Series	LB 8150
Item	General Purpose Anti-Seize
Container Type	Tube
Odorless	No
For Use On Materials	Aluminum, Soft Metals, Stainless Steel
50 State VOC Compliant	No
Anti-Seize Container	Pillow Pack
USDA Certified Biobased Product	No
Maximum Pressure	Not Rated
Anti-Seize Color	Silver
Metal Free	No
Military Standard	MIL-PRF-907F
Conductive	Yes
Anti-Seize Base	Aluminum
Operating Temp. Range	-20 Degrees to 1600 Degrees F
Flammability	Non-Flammable
Net Fill	0.25 oz
Primary Additive	Graphite

ISSUE:
Customers frequently reported from the field that stainless bolts/nuts will not tighten because they have galled during installation.
SOLUTION:
To help prevent this issue, our manufacturing team will now include a small tube of anti-seize lubricant in the hardware bucket with each order.

