Anti-Seize



Loctite® Anti-Seize Properties Chart

	LOCTITE® PRODUCT	ITEM NUMBER	PACKAGE TYPE/SIZE	TEMPERATURE RESISTANCE	COLOR	K-VALUE*
GENERAL-PURPOSE	C5-A® COPPER ANTI-SEIZE LUBRICANT	51299 51277 51001 51002 51144 51147 51005 51003 51004 51006 51007 39643 51008 51009 38584 51011 51146	2 g pouch 7 g pouch 1 oz. tube 4 oz. tube 4 oz. brush-top can 8 oz. brush-top can 10 oz. brush-top can 12 oz. net wt. aerosol 13 oz. cartridge 1 lb. can 1 lb. brush-top can 1 lb. brush-top metal can 2.5 lb. can 8 lb. can 25 lb. pail 42 lb. pail 425 lb. drum	1800°F (982°C)	Copper	0.16
	C5-A® COPPER ANTI-SEIZE	37229	20 g stick			
	SILVER GRADE ANTI-SEIZE	38181 80209 76732 76759 76764 80206 76775	7 g pouch 4 oz. brush-top can 8 oz. brush-top can 12 oz. net wt. aerosol 1 lb. brush-top can 1 gallon can 5 gallon pail	1600°F (871°C)	Silver	0.18
	SILVER GRADE ANTI-SEIZE	37230	20 g stick			
	NICKEL ANTI-SEIZE	77124 51286 51102 77164 51152 77175	8 oz. brush-top can 12 oz. net wt. aerosol 1 lb. can 1 lb. brush-top can 8 lb. can 5 gallon pail	2400°F (1315°C)	Silver	0.13
HIGH PERFORMANCE	HEAVY DUTY ANTI-SEIZE	51609 51605 51606 51607 51608	1 oz. tube 9 oz. brush-top can 18 oz. brush-top can 2.3 lb. can 45 lb. pail	2400°F (1315°C)	Black	0.16
	HEAVY DUTY ANTI-SEIZE	41205	20 g stick			
	MARINE GRADE ANTI-SEIZE	34395 34026	8 oz. brush-top can 16 oz. brush-top can	2400°F (1315°C)	Black	0.18
	WHITE HI-TEMP ANTI-SEIZE	34517 34518	8 oz. brush-top can 16 oz. brush-top can	2000°F (1093°C)	White	0.16
SPECIALTY	FOOD GRADE ANTI-SEIZE	1167237 1169241 1170163	8 oz. brush-top can 2 lb. can 40 lb. pail	750°F (400°C)	White	0.13
	GRAPHITE-50™ ANTI-SEIZE	51084	1 lb. can	900°F (482°C)	Black	0.13
	MOLY PASTE	51050 51048 51049 51145	12 oz. net wt. aerosol 8 oz. brush-top can 1 lb. brush-top can 15 lb. can	750°F (400°C)	Black	0.11
	MOLY-50™ ANTI-SEIZE	51094	1 lb. can	750°F (400°C)	Black	0.13
	ZINC ANTI-SEIZE	39901	1 lb. can	750°F (400°C)	Grey	0.15
HIGH PURITY	N-7000™ HIGH PURITY ANTI-SEIZE	51272 51270 51273	8 oz. brush-top can 1 lb. brush-top can 2 lb. can	2400°F (1315°C)	Silver	0.16
	N-5000™ HIGH PURITY ANTI-SEIZE	51346 51243 51269 51246 51245	1 oz. tube 8 oz. brush-top can 1 lb. brush-top can 2 lb. can 8 lb. can	2400°F (1315°C)	Silver	0.15
	HIGH PERFORMANCE N-5000™ HIGH PURITY ANTI-SEIZE	51572	1 lb. brush-top can	2400°F (1315°C)	Silver	0.15
	N-1000™ HIGH PURITY ANTI-SEIZE	51115 51116 51117	8 oz. brush-top can 1 lb. can 2 lb. can	1800°F (982°C)	Copper	0.17

ITEMS IN RED = *Source's* PICK or NEW

* See K-Value on next page.

LOCTITE® INDUSTRIAL HAND WIPES

Clean hands anywhere! Quick and easy to use – no rinsing, drying or residue. Each 9 1/2 in. x 12 in. towel is premoistened with powerful citrus-scented cleaning formula. Towels are abrasive enough to scrub off the toughest grease and grime.

Item # 34943 75 count
34944 130 count

ADDITIONAL RESOURCES

Loctite® Anti-Seize Applications Chart

	LOCTITE® PRODUCT	MAXIMUM ANTI-SEIZE PROPERTIES	FOR MAXIMUM LUBRICITY	FOR LOW SPEEDS, HIGH LOADS	EXTREME HIGH TEMPERATURE RESISTANCE (TO 2000°F-2400°F)	EXTREME CHEMICAL RESISTANCE	ELECTRICALLY CONDUCTIVE	FOR ALUMINUM/ SOFT METALS	FOR STAINLESS STEEL	METAL-FREE FORMULATION	COPPER-FREE FORMULATION	KEY SPECIFICATIONS & AGENCY APPROVALS
GENERAL-PURPOSE	C5-A® COPPER ANTI-SEIZE LUBRICANT	△					△	△	△			CFIA (stick)
	SILVER GRADE ANTI-SEIZE	△					△	△	△			CFIA
	NICKEL ANTI-SEIZE	△			▲	▲	△		△		▲	N/A
HIGH PERFORMANCE	HEAVY DUTY ANTI-SEIZE	▲			▲	△	△	△	▲	▲	▲	N/A
	MARINE GRADE ANTI-SEIZE	▲			▲			△	▲	▲	▲	ABS
	WHITE HI-TEMP ANTI-SEIZE	△			▲			△	△	▲	▲	N/A
SPECIALTY	FOOD GRADE ANTI-SEIZE	■						△	▲	▲	▲	NSF H1, CFIA
	GRAPHITE-50™ ANTI-SEIZE	■				△	▲	△		▲	▲	N/A
	MOLY PASTE	■	▲	▲					▲	▲	▲	N/A
	MOLY-50™ ANTI-SEIZE	■	△	△					▲	▲	▲	N/A
	ZINC ANTI-SEIZE	■					■	▲	△			N/A
HIGH PURITY	N-7000™ HIGH PURITY ANTI-SEIZE	▲			▲	△	△		△	▲	▲	N/A
	N-5000™ HIGH PURITY ANTI-SEIZE	△			▲	▲	△		△		▲	N/A
	HIGH PERFORMANCE N-5000™ HIGH PURITY ANTI-SEIZE	▲	▲		▲	▲	△		△		▲	N/A
	N-1000™ HIGH PURITY ANTI-SEIZE	△					△		△			N/A

ITEMS IN RED = *Source's* PICK or NEW

△ Good Choice ▲ Preferred Choice ■ Acceptable Choice

TORQUE GUIDE

Proper clamp load is an essential part of any bolted assembly for trouble-free operations. Torquing either nut or bolt creates the clamp load. An anti-seize lubricant used on a bolt helps to develop greater clamp load for the same torque compared to an non-lubricated bolt. An additional benefit is greater uniformity in clamp load among a series of bolts. The relationship between torque and clamp load is expressed in the following equation: T = KFD.

Where:
T = Torque (in.-lb., ft.-lb., N-m)
F = Clamp Load (lb., N)
D = Nominal diameter of bolt (in., ft., m)
K = Torque coefficient or nut factor, determined experimentally

K Factors: K factors are obtained on Grade 8, 1/2 in. steel bolts and grade 5 nuts by a test procedure that measures torque tension properties. Lubricant was applied to the bolt threads and both faces of the washer.

See the Properties Chart for the torque coefficient or K value for the anti-seize compounds.

Henkel Corporation believes that this data fairly represents performance to be expected. However, Henkel makes no warranty of specific performance on any individual fastener. In critical applications, it is necessary to determine K values independently.

PLEASE NOTE: There are two "coefficients" used to express the relationship between torque and tension: torque coefficient (also called "nut factor") is the most commonly used. A different concept is the "friction coefficient," which has a value of 2/3 (or 67%) of the torque coefficient.

ADDITIONAL RESOURCES