

ANTI-SEIZE COMPOUNDS

Some people refer to vacuum cleaners as a **Hoover**, to a bicycle dynamo as a **Bosch** and a hand held electric drill as a **Hilti**. In the same manner, people often refer to anti-seize compounds as just a Never-Seez, LPS, Permatex or simply as **anti-seize**.

However, anti-seize products come in different forms depending on the type of material the components are made of, which/what function(s) they are supposed to fulfil and the environment affecting the product (heat, humidity, acids et cetera).

There are many different types of anti-seize products so asking for a particular brand doesn't help to identify the specific product required, even though another brand may be preferable due to its superior quality.

In co-operation with the manufacturer **Anti-Seize Technology**, we have selected 5 different anti-seize products that together should fulfil all requirements that our clients may have and these are now stocked and offered for sale.

When applying an anti-seize compound to a bolt/nut joint it is important to cover the following areas:

- Under the head of the bolt
- The plain (unthreaded) part of the bolt
- The threaded part of the bolt
- The face and both sides of the nut
- All surfaces of the washer (if one is used)

By covering all these areas there is no opportunity for metal-on-metal contact and this therefore eliminates the risk of seizing. Essentially there should be a film of anti-seize compound between every surface.

We are stocking the following anti-seize products:

<u>PART NUMBER</u>	<u>DESCRIPTION</u>
11010	Compound, Anti-Seize, Cu/Graphite, 8 Oz BTC (Brush-Top-Can)
12012	Compound, Anti-Seize, MoS2/Graphite, 10 Oz BTC
13008	Compound, Anti-Seize, Ni/Graphite, 8 Oz BTC
18010	Compound, Anti-Seize, Al/Cu/Graphite, 8 Oz BTC
45008	Compound, Anti-Seize, Zinc/Petrolatum, 8 Oz BTC

Our standard packing sizes are in 8 or 10 Oz brush-top cans. We have selected these small sizes to avoid running out of the 3 year shelf life and to minimize the risk of the compound being contaminated, plus the obvious advantage that each technician can have a set of cans on his tool chest – plus maybe a copy of the cross reference and service recommendation charts provided in the following.

ANTI-SEIZE LUBRICANTS [CROSS - REFERENCE CHARTS]

SPECIFICATION	APPLICATION	COMPOUND TO USE	P/N
A-A-59313		Zinc-Petrolatum	45008
A50TF198 Class A		Nickel-Graphite	13008
BAC5008		Nickel-Graphite	13008
MIL-PRF-83843		MoS2-Graphite	12012
MIL-PRF-902	Carbon Steel	Al/Cu/Graphite	18010
MIL-PRF-907	Cres Steel	Nickel-Graphite	13008
MIL-PRF-907	Aluminium	Zinc-Petrolatum	45008
MIL-T-22361		Zinc-Petrolatum	45008
MIL-T-5544		MoS2-Graphite	12012
PCS5721		Nickel Graphite	13008
PWA36053-1		Nickel Graphite	13008
SAE-AMS-2518		MoS2-Graphite	12012
BRAND/PRODUCT		COMPOUND TO USE	P/N
Cessna/U000868		MoS2-Graphite	12012
Henkel/C5A		Copper-Graphite	11010
Henkel/Loctite Nickel Grade		Nickel-Graphite	13008
Henkel/Loctite Silver Grade		MoS2-Graphite	12012
LPS/All-purpose Anti-Seize		MoS2-Graphite	12012
LPS/Copper Anti-Seize		Al/Cu/Graphite	18010
LPS/Nickel Anti-Seize		Nickel-Graphite	13008
Lycoming/2612		Copper-Graphite	11010
Never-Seez/Regular Anti-Seize		Al/Cu/Graphite	18008
Never-Seez/Pure Nickel Anti-Seize		Nickel-Graphite	13008
Permatex Anti-Seize		Al/Cu/Graphite	18010
Permatex Nickel Anti-Seize		Nickel Graphite	13008
Permatex Copper Anti-Seize		Copper-Graphite	11010
Royco44		MoS2-Graphite	12012
Ruscoe/LubTork		MoS2-Graphite	12012
Rocol Anti-Seize Stainless		MoS2-Graphite	12012
SAF-T-EZE		Nickel-Graphite	13008
Tempest/T556		Copper-Graphite	11010
APPLICATION	MAX TEMP C	COMPOUND TO USE	P/N
Fasteners Aluminium	<399	Zinc-Petrolatum	45008
Fasteners Carbon Steel	<982	MoS2-Graphite	12012
Fasteners Cres Steel	<1426	Nickel-Graphite	13008
Spark Plugs		Copper-Graphite	11010

* All Anitiseize Lubricants, except the 12012, come in 8 Oz Brush top Cans.
The 12012 is a 10 Oz Brush top Can.

ANTI-SEIZE COMPOUNDS & SERVICE RECOMMENDATIONS					
Compounds	11010	12012	13008	18010	45008
Applications					
<i>ANTI-SEIZE PROPERTIES</i>	Green	Green	Green	Green	Yellow
<i>LUBRICITY PROPERTIES</i>	Light Green	Light Green	Light Green	Light Green	Yellow
<i>EXTREME HIGH TEMP RESISTANCE (2000 °F - 2400°F)</i>	White	Green	Light Green	White	White
<i>CONDUCTIVE PROPERTIES</i>	Yellow	White	Yellow	Yellow	Yellow
<i>FOR ALUMINUM/SOFT METALS</i>	Yellow	White	White	Yellow	Green
<i>FOR STAINLESS STEEL</i>	Yellow	Yellow	Yellow	Yellow	Yellow
<i>COPPER-FREE FORMULA</i>	White	Yellow	Green	White	Light Green
<i>MIL-T-223610 COMPLIANT</i>	White	White	White	White	Green
<i>MIL-PRF-907 COMPLIANT</i>	Green	Green	Green	Green	White

Green	Light Green	Yellow	White
BEST	GOOD	ACCEPTABLE	NOT RECOMMENDED