

ANTI-SEIZE COMPOUNDS – CHROME, COPPER & NICKEL

The main application for all 3 compounds is for the assembly of all threaded connections subject to high temperatures such as, for example, spark plug threads, cylinder head and exhaust manifold studs, high temperature and/or corrosive environments.

It is also suitable for application to gaskets and packing. For all these applications, the products make dis-assembly possible without welding or seizure.

The Chrome compound is the most superior product for seizure prevention of threaded components under even the most unfriendly corrosive/high temperature conditions.

The different properties of the three compounds are highlighted in the table below.

APPLICATION INSTRUCTIONS

The aerosol should be sprayed onto the surfaces from approximately 10cm distance. The bulk versions should be applied by brush or finger.

TYPICAL PROPERTIES OF ALL THREE COMPOUNDS

Consistency	NLGI No.2
Penetration (1/10mm at 25°C, 60x) ASTM D217	275
Penetration change (10 000 x)	35
Dropping point	None
Timken OK load, kg (ASTM D2509)	>25
Copper Corrosion test (ASTM D130)	1b
Base oil viscosity at 40°C, cSt (Brookfield)	100



	<u>CHROME COMPOUND</u>	<u>NICKEL COMPOUND</u>	<u>COPPER COMPOUND</u>
Max operating temperature as thread/anti-seize lubricant	1 500°C	1 400°C	1 100°C
Key metallic Component	Chrome	Nickel	Copper
Colour	Silver	Silver	Golden
Exceeds requirements of MIL-A-907E (US Military Spec)	Yes	Yes	Yes
Average torque to loosen threaded connection after being subject to:			
565°C	55Nm	62Nm	70Nm
1 100 °C	175Nm	190Nm	200Nm
Co-efficient of friction at 200N	0,130	0,136	0,140
Compliance with latest First World Environmental Legislation	Yes	No	No
Resistance to contact with Ammonia	Good	Fair	None
Resistance to Electrolytic Galvanic Corrosion	Good	Fair	None
Suitable for use on Austenitic/Stainless Steels	Yes	Fair	No
High load, slow-moving lubricating properties	No	OK	Excellent
Protection against corrosion of battery terminals	OK	OK	Excellent
Apply to back of disc pads to eliminate squeal	No	No	Yes
Contents of aerosol packs	350 ml	350 ml	400 ml
Packing in tubes	No	No	100g
Other packs (500g, 5kg, 15kg, 50kg & 180kg)	Yes	Yes	Yes

CP/mg/Anti-Seize Compounds –Chrome, Copper & Nickel – Jan 2018

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**Manufacturers & Distributors of
Special Lubricants & Allied
Chemical Products**

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