

### DYLON ANTI-SEIZE HEAVY DUTY "SYNTHETIC BASE"

#### DESCRIPTION:

**Dylon Anti-Seize** Compounds have been formulated to provide maximum protection against galling, rusting and heat bonding under the most extreme conditions of heat and pressure.

**Dylon Anti-Seize** Compounds are environmentally friendly, featuring multi-sized polished copper flakes blended with non-melting natural graphite which is then homogenized into a non-carbonizing, ashless synthetic base. **Dylon Anti-Seize** has an exclusive high performance ashless "EP" additive system "D-707" which provides the very best overall in-service performance.

The homogeneous paste structure is easily applied and provides optimum use of applied torque during assembly and allows for significantly reduced break-away torque ensuring non-destructive disassembly even after being exposed to working temperatures up to 1850°F (1010°C).

#### FEATURES:

- \* Ideal for the assembly and disassembly of threaded fasteners and parts
- \* Excellent protection in extreme heat up to 1850°F (1010°C)
- \* Assists in the assembly of press fit parts
- \* Excellent corrosion barrier between dissimilar metals, stainless steel and other nickel alloys
- \* Service temperature ... +20°F (-6°C) to 1850°F (1010°C)
- \* Assists in the prevention of leaks of virtually all fluids and gasses (not to be used on liquid oxygen lines) at temperatures up to 500°F (260°C)
- \* Fortified with anti-oxidants and rust and corrosion inhibitors
- \* Protection against galling, seizures, and heat bonding
- \* No mixing required
- \* Will not harden, separate, or evaporate
- \* Helps prevent metal-to-metal electrolysis and pitting
- \* Protects against carbon fusion
- \* Non-dripping
- \* Provides unequaled break-away torque for the disassembly of threaded parts
- \* Won't gum up
- \* Very good protection in fresh or salt water

#### BENEFITS:

- \* Labor saving
- \* Reduces downtime
- \* Ensures the best break-away torque for faster, easier non-destructive repairs

#### INDUSTRIES:

Aerospace	Energy	Oil Refineries
Automotive	Foundries	Paper
Chemical	Marine	Steel
Construction	Mining	Textile

#### ADDITIONAL FEATURES:

- \* **Easy To Use:** When **Anti-Seize** is only one of the many products your employees use, you need a product that is reliable, long lasting and very easy to apply.
- \* **Quality That Is Guaranteed:** Through extensive research Dylon carefully selects the best highly refined synthetic base, additives and thickeners. The formulas are precisely balanced and then blended in a modern, fully equipped facility. All raw materials and finished products are carefully controlled to ensure that you receive the same high quality product each time you place an order.

- \* Work Directly with A Lubricant Manufacturer: Dylon is a manufacturer of industrial lubricants and chemicals with over 25 years of experience and proven solutions. If one of your special applications requires a unique product, a custom formula can be designed for you. This special customer service is there when you need it.

**INDUSTRIAL USES:**

Adjusting Screws	Hydraulic Systems	Agricultural Equipment
Autoclaves	Boilers	Kettles
Bolts	Rams	Plunger Heads
Cap Screws	Process Piping	Valves
Pumps	Catalytic Crackers	Shears
Compressors	Spline & Gear Couplings	Cylinder Head Bolts
Steam Lines	Drawing Compound	Steam Traps
Engines	Studs	Extruding & Forming Dies
Tapping Compounds	Fasteners	Fittings
Flanges & Gaskets	Foundry Core Mold Machine	Unions
Turbines	Fuel Lines	Jet Engines

**PHYSICAL PROPERTIES**

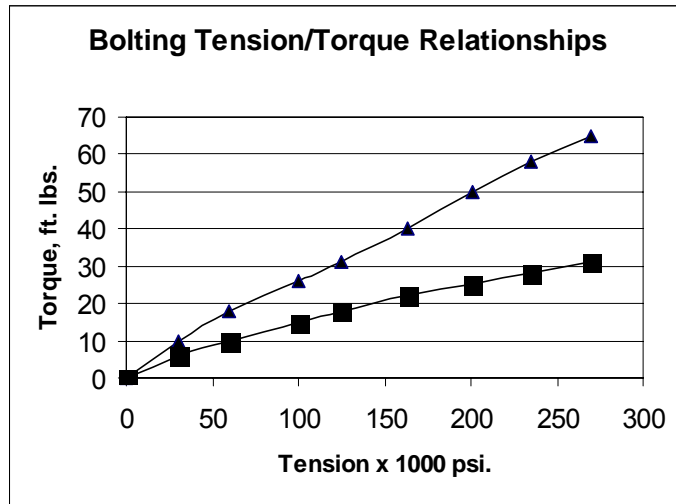
<u>Test</u>	<u>Results</u>	<u>Test Method</u>
Color	Bronze	_____
Solids Content, % Weight	43 to 44	_____
Density, lbs./gal.	9.8 to 10.3	_____
Penetration, unworked	270 to 350	ASTM D-217
Four-Ball EP Weld Point, kg	315	ASTM D-2783
Four-Ball Wear Scar, mm	0.63	ASTM D-2266
Timken OK Load, lbs.	50	ASTM D-2782
Shelf Life (Sealed Can)	5 Years	_____

Texture: **DYLON COMPOUND D-33** has a soft butter texture  
**DYLON COMPOUND D-25** is very soft and brushable, using a unique blend of natural graphite.

It should be understood that the use of **Dylon Anti-Seize** will increase the bolting tension (psi) at a given torque when compared to a new, clean fastener. This is due to the decrease in friction between the threads and mating surfaces because of the superior lubrication qualities of **Dylon Anti-Seize**. Figures 1 and 2 show the relationships between torque and tension for 3/8" and 3/4" Grade 8 bolts and nuts. Data was developed using a Skidmore-Wilhelm Torque-Tension Tester.

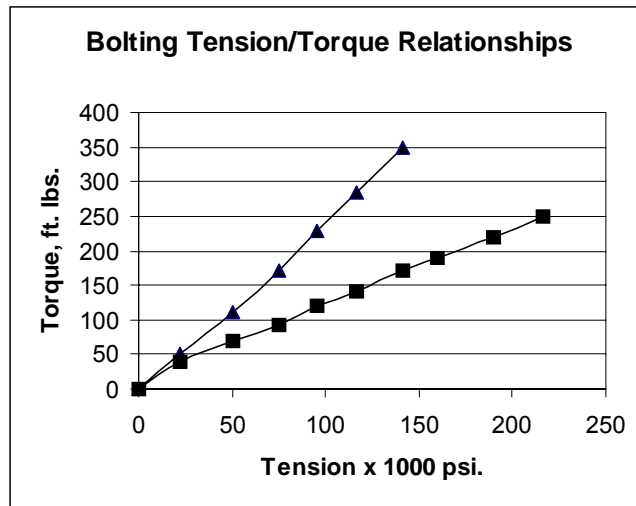
As you can see, the torque required to produce a given bolting pressure, or tension, is about half when using **Dylon Anti-Seize**. Therefore, if your bolting specifications require a particular tension, refer to the charts to estimate the torque you will need to achieve the specification. On the other hand, if your specification requires a certain torque, be sure your fasteners can handle the increase tension to which they will be subjected. Call your Dylon Technical Representative if you need further assistance.

**FIGURE 1**  
**(3/4" bolts)**



▲ No Anti-Seize  
 ■ Dylon Anti-Seize

**FIGURE 2**  
 (3/4" bolts)



▲ No Anti-Seize  
 ■ Dylon Anti-Seize

**PACKAGING:**

Case: **D-33** is available in: 6 x one-pound brush-top cans  
**D-25** is available in: 6 x one-pound brush-top cans and 6 x one-pound open top cans

**Dylon Anti-Seize** products are also available in 1 gallon (10 pound) cans and 5 gallon (50 pound) pails. These packages are special order items and may require special packaging lead time.