

DRILL STEEL LUBRICANT

Whitmore's Drill Steel Lubricant is an anti-seize composition for use on rock drill tool joints, drill stems and couplings. Drill Steel Lubricant is specifically formulated to contain no heavy metals (lead-free).

It contains superior friction-reducing additives which minimize "make-up" and "break-out" torque, while virtually eliminating thread wear. In addition, Drill Steel Lubricant protects metal parts from rust and corrosion, even in the most adverse atmospheres. The unique metallic, film-forming characteristics of Drill Steel Lubricant provide a protective shield against shock load and thread seizure.

Drill Steel Lubricant protects against high temperatures and eliminates run-out, even under severe operating conditions. By eliminating metal-to-metal contact, Drill Steel Lubricant extends the useful life of drill steel and reduces labor required for assembly and disassembly.

BENEFITS:

- LEAD-FREE - contains no heavy metals.
- SUPERIOR FRICTION REDUCING ADDITIVE PACKAGE - minimizes "make-up" and "break-out" torque.
- EXTENDS EQUIPMENT LIFE - eliminates metal-to-metal contact.

APPLICATIONS:

Drill Steel Lubricant is recommended for all types of rotary drilling joints: API buttress threads, square threads, high lead thread and special shouldered joints. Additionally, this product can be used on studs, bolts, fittings, pipe threads, gaskets, flanges, seals, packings, sliding surfaces and press fittings. It is an excellent lubricant for use on tappings, lathe centers, highly loaded surfaces, ways, tracks, tubular joints of all sizes and types, valve stems, tapes, sleeves, screws, drills and drawing and forming equipment.

ASTM #		TYPICAL CHARACTERISTICS	
		Winter Grade	Brushable
D-217	Cone Penetration (Worked)	290-320	235-265
D-2265	Dropping Point, °F (°C)	>430 (>221)	>500 (>260)
Gardner Method	Density, lb/gal @ 60°F (15.5°C)	9.9	9.9
	Specific Gravity, g/cc @ 60°F (15.5°C)	1.19	1.19
D-2596	Four Ball EP		
	Weld Point, kg	800	620
	Load Wear Index	129	92
D-4049	Water Spray-Off, % Loss	<10	<10
D-4048 (Modified)	Copper Strip Corrosion for Greases	1A	1A
	212°F (100°C) @ 3 hrs		
	Thickener Type	Aluminum Complex	Aluminum Complex

The above are average values. Minor variations which do not affect product performance are to be expected in normal manufacturing.

PACKAGING

Pails	Caulking Tubes 12 per case
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THE WHITMORE MANUFACTURING COMPANY

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