

MagnaPlex 5™



Product Description

D-A **MagnaPlex 5™** is specially formulated for heavy-duty service where high shock loads are common. D-A **MagnaPlex 5™** provides excellent cohesive as well as adhesive characteristics needed for continuous lubricant protection. It also provides protection against rust and corrosion while controlling oxidation at elevated temperatures. D-A **MagnaPlex 5™** provides excellent lubrication protection and extends grease service intervals, thus reducing downtime and lowering overall lubrication costs.

D-A **MagnaPlex 5™** grease is designed for applications where a 5% moly (molybdenum disulfide) grease is recommended.

Product Features and Benefits

Superior shock load protection extends pin and bushing service life in severe service operations.

Superior mechanical shear stability reduces in-service softening for better grease retention in the toughest applications.

Extremely cohesive and adhesive properties assure proper lubrication over extended service intervals.

Fortified with molybdenum disulfide to provide extra wear protection while reducing friction.

Rust and corrosion inhibitors control acid attack even in damp or corrosive environments.

Seals out dirt and water for maximum wear protection and component life.

Compositionally balanced for optimum pumpability when used in automatic lube systems.

Typical Applications - Supports the performance requirements of:

Caterpillar
 Komatsu
 Large Wheel Loaders
 Excavators
 Mining Applications
 Construction Equipment
 Agricultural Equipment

For use when manufacturer specifications call for 5% moly grease.

Typical Properties

NLGI Grade	ASTM D217	#1	#2
Thickener Type	ASTM D128	Lithium Complex	Lithium Complex
Color	Visual	Dark Gray	Dark Gray
Usable Operating Temperature Range, °F (°C)		-22 to 400 (-30 to 205)	-22 to 400 (-30 to 205)
Worked Penetration @ 77°F	ASTM D217	310-340	265-295
Base Oil Viscosity @ 40 °C	ASTM D445	220	220
Dropping Point, °F (°C)	ASTM D2265	500 (260) min	500 (260) min
Four Ball EP, Weld Load kgf	ASTM D2596	620	620
Four Ball Wear, Scar Dia., mm	ASTM D2266	0.60 max	0.60 max
Load Wear Index	ASTM D2596	110 min	110 min
Timken OK Load	ASTM D2509	60	60
Water Wash-Out, % Loss	ASTM D1264	10 max	5 max
Water Spray-Off, % Loss	ASTM D4049	45	25
Copper Corrosion Test	ASTM D4048	1b	1b
Bearing Rust Test	ASTM D1743	Pass	Pass
U.S. Steel Mobility, gm/min @ 60°F	USS LT-37	275	175
Molybdenum Disulfide, wt %	ASTM D128	5	5
Ring-on-Block (Low speed / High Load) 1-hour test, non-replenished sump	ASTM D2509 Modified	Pass	Pass

D-A Part Number:

Bulk	N/A	12611
Drum – 400 lb	12602	12612
Qtr Drum – 120 lb	N/A	12616
Pail (Metal) – 35 lb	N/A	12619
Cartridges – 43 lb	N/A	12617T