

# MagnaPlex 3™



## Product Description

D-A **MagnaPlex 3™** is specially formulated for heavy-duty service where high shock loads are common. D-A **MagnaPlex 3™** 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 3™** provides excellent lubrication protection and extends grease service intervals, thus reducing downtime and lowering overall lubrication costs.

## Product Features and Benefits

Unsurpassed shock load protection extends pin and bushing service life in severe off-road service. 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 metal 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.

Meets the performance requirements of NLGI GC/LB rating.

## Typical Applications

Pin and Bushing Assemblies  
 Pivot Pins  
 Hydraulic Linkage Pins  
 Bucket Pins  
 Truck Kingpins  
 5th Wheel Applications  
 Mining Applications  
 Industrial Applications

Scraper Goose Necks  
 Fittings  
 Crusher Bearings  
 Trunnion Bearings  
 Shaker Screen Bearings  
 Automatic Lube Systems  
 Construction Equipment  
 Agricultural Equipment

Slow Speed Ball and Roller Bearings  
 Manual Cone Adjustments  
 Track Rollers  
 Drive Rollers  
 Troughing Rollers and Idlers  
 General Chassis  
 Refuse Applications  
 Meets NLGI GC/LB Requirements

## 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	3	3
Ring-on-Block (Low speed / High Load) 1-hour test, non-replenished sump	ASTM D2509 Modified	Pass	Pass

### D-A Part Number:

Bulk	12361	12371
Drum – 400 lb	12362	12372
Qtr Drum – 120 lb	12366	12376
Pail (Metal) – 35 lb	12369	12379
Cartridges – 43 lb	12367T	12377T