

Grease

Value Tech Magna Plate A - Universal Lithium EP Multi-purpose Grease – HD Wheel Bearing Grease

(12/09/11 edition)

Value Tech Magna Plate A is the best grease Value Tech has to offer. It is a multi-purpose lithium complex grease fortified with molybdenum disulfide ("MOLY") for increased load carrying properties and enhanced friction reducing characteristics. It is specifically formulated with high-performance chemistry engineered to enhance load carrying capacity, oxidation resistance, rust and corrosion protection properties. Fortified with extreme pressure additives, Value Tech Magna Plate A grease will withstand even the highest of loads. Special additives promote both adhesion and cohesion, to prevent "pound-out" and "throw-out", reduce water washout, and minimize lubrication intervals. This product is recommended for all automotive applications, both chassis and bearings; and for agricultural, industrial, off-highway, and construction service where outstanding grease performance is important.

Value Tech Universal Lithium EP grease is a multi-purpose grease. The lithium-12 hydroxy thickener system gives this grease a high dropping point and provides resistance to melting and leakage from bearings, couplings, and joints at elevated operating temperatures. Universal Lithium EP is especially engineered to protect against rust, oxidation and water washout. This high performance grease is recommended for all automotive applications, including chassis points, fifth wheels, and wheel bearings. It is also designed to meet or exceed most agriculture, construction and industrial applications.

Value Tech Multi-purpose grease is designed for both automotive and industrial applications. It is lithium-thickened grease formulated from fully refined quality lubricant base stocks. It has excellent temperature stability and will not melt at normal automotive service temperatures. Value Tech Multi-purpose grease is recommended for lubrication of water pumps, universal joints, and regularly lubricated chassis points on cars, trucks, buses, tractors and mobile construction equipment.

Value Tech HD Wheel Bearing grease is sodium-based thickened grease. This grease has a good dropping point for higher temperature applications. The sodium nature of this grease imparts natural anti-rust protection. In the presence of small amounts of water, the grease will act to draw the water away from the metal to prevent rusting of the metal surface. Inherent fibrous texture promotes adhesion and cohesion; oxidation and corrosion properties are also present.

Some performance levels are limited by viscosity grades. Please consult the Value Tech Performance Application Chart, the Value Tech Inspection Data Table for the appropriate Value Tech product or contact your Value Tech District Manager for more complete information and recommendations. Consult your Value Tech District Manager for specific pack sizes and product availability.

TYPICAL INSPECTION DATA

Value Tech Greases	Magna Plate A Grease	Universal Lithium EP Grease	Multi-Purpose Grease	Heavy Duty Wheel Bearing Grease
Color	Silver	Red	Maroon	Yellow
Texture	Smooth, Tacky	Smooth, Tacky	Smooth	Heavy Fibrous
NLGI Grade	2	2	2	3.5
Thickener Type	Lithium Complex	Lithium 12 Hydroxy	Lithium Stearate	Sodium
Solid Lubricant	Moly*	none	None	None
Dropping Point °C /°F	280/535	190/375	177/350	215/420
Timken OK Load Lbs. D-2509	40	40	40	20
Four Ball Weld Scar, mm D-2266	0.50	0.80	-	-
Four-Ball Weld Point, kgf D-2596	315	315	-	126
Four-Ball Load Wear Index	50	50	-	-
Rust Corrosion Test, D-1743	Pass	Pass	Pass	Pass
Emcor Rust, IP220-mod, Distilled Water	0,0	0,0	0,0	0,0
Worked 60 Penetration, D-217	265-295	265-295	265-295	180-220
Penetration Consistency Change, Roll Stability, D-1831, mm/10	+/- 10 max	+/- 10 max	-	-
Wheel Bearing Leakage, D-4290, g loss	2.0	2.0	-	-
Oxidation Stability D-942, Pressure drop at 100 hrs, PSI	5 Max	10 Max	-	-
Copper Strip Corrosion, D-4048	1b Max	1b Max	1b Max	-
Oil Separation, D-1742, % loss	3 Max	3 Max	-	-
Water Spray Resistance, D-4049, % Spray-off	15	15	-	-
Water Washout, D-1264, wt% loss at 79°C(175°F).	4	4	-	-
Characteristics Oil plus Oil Soluble Additives Viscosities D-445: @ 100C, cSt. @40C, cSt. Viscosity Index	17.5 244 72	17.5 244 72	11.9 152 51	25 367 89
Reference Formula	(914SA)	(905RA)	(903RA)	(936AP)

* Magna Plate A Grease is fortified with Molybdenum DiSulfide (Moly)

Greases: Preferred (P) and Applicable (A) usage.

Applications	Magna Plate A Grease	Universal Lithium EP Grease	Multi-purpose Lithium Grease	Heavy Duty Wheel Bearing Grease
CV joints	P	P	NR	NR
Chassis (auto)	P	P	A	NR
Chassis (truck)	P	A	A	NR
Conveyor Belts	P	A	NR	NR
Drum and Shoe Bearing	P	A	A	A
EP (extreme pressure)	P	A	NR	NR
Extreme Temperature	P	A	NR	NR
5 TH Wheel	P	P	A	A
General Purpose	P	P	A	A
High Impact Environment	P	A	NR	NR
High Water Environment	P	A	NR	NR
Off-Road Heavy Duty	P	A	NR	NR
Off-Road SUV/Utility	P	P	NR	NR
Outboard/Marine	P	A	NR	NR
Table & RockNeck Bearings	P	A	NR	NR
Trunion Bearings	P	A	NR	NR
Wheel Bearing (auto/truck)	P	P	NR	NR

* NR – not recommended