

# GREASE HT 2,3

## HIGH TEMPERATURE LITHIUM COMPLEX GREASE

**BULWARK GREASE HT** series is a high temperature, multi-purpose EP grease based on complex lithium soap, highly refined mineral oil offering good stability to oxidation. These greases contain high-performance, Anti-wear (AW), extreme pressure (EP), anti-corrosion and anti-oxidation additives. Along with their excellent tribological features, they can operate under heavy mechanical loads and even while in frequent contact with water.

**BULWARK GREASE HT** is recommended to use in wheel bearings of the passenger and commercial vehicles, bearings of industrial fans, electric motors, couplings, clutches, shafts, compressors, pumps and other industrial equipment. Also suitable for use in centralized lubrication systems in construction, mining, lumbering, and agricultural machinery where use of HT grease with NLGI #2 or 3 class is recommended.

**BULWARK GREASE HT** service temperature ranges from -20 up to +160°C., comes in brown color and has moderate soft consistency and homogeneous structure. This grease can be applied manually with brush or spatula, as well as through individual lubrication system at the temperatures down to -20°C.

### PERFORMANCE LEVEL\*

- DIN 51502;
- NLGI 2; KP2P-20; ISO 6743-9; L-XBEHB 2 (HT2)
- NLGI 3; KP3P-20; ISO 6743-9; L-XBEHB 3 (HT3)

### KEY BENEFITS

- Excellent high-temperature properties with very good anti-corrosion properties.
- Excellent load carrying capacity at low temperatures.
- Resistance to shock and vibrational loads.
- High water resistance, excellent adhesion and long-term service life.

### TYPICAL CHARACTERISTICS\*\*

Properties	Test Methods	HT2	HT3
Consistency	NLGI	2	3
Thickener Type		Lithium Complex	Lithium Complex
Color	Visual	D. Brown	D. Brown
Operating Temperature, °C		-20 to +160	-20 to +160
Worked Penetration at 25°C, 1/10 mm	ASTM D217	265-295	220-250
Dropping Point, °C	ASTM D2265	>250	>250
Base Oil Viscosity at 40 °C, cSt	ASTM D566	200	200
Copper Strip Corrosion, 24h, 100°C	ASTM D4048	1b	1b
4-Ball, Scar Dia, mm	ASTM D2266	0.35	0.35
4-Ball, Weld Load, Rgf	ASTM D2596	400	400

\* Performance levels indicated may include licensed API specs or specs that our products meet or exceed

\*\* Typical Characteristics are typical values. Minor variations within the permissible tolerance limits maybe expected on the final product.

### STORAGE

All packages should be stored under cover. Where outside storage is unavoidable, drums should be laid horizontally to avoid the possible ingress of water and the obliteration of drum markings. Products should not be stored above 60°C, exposed to hot sun or freezing conditions.

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