



Product Specification Sheet

High Speed Bearing Grease Lubricant

High Speed Bearing Grease (HSBG) is a premium performance, long life multi-application grease formulated to reduce operating costs and provide long service protection over a wide range of operating temperatures. HSBG is a polyurea thickened grease specifically intended for high-speed ball and roller bearing lubrication in alternators, generators, starters, electric motors and other long life applications. HSBG is intended for applications where shock loading is absent and an extreme pressure (EP) grease is not required, or harmful to motor windings.

Physical Properties

Property	Test Method	Data
NLGI Grade	ASTM D217	2
Thickener type	-	Polyurea
Color	PCM 264	Blue
Texture	PCM 264	Buttery
Penetration, Worked	ASTM D217	265-295
Water Washout, % @ 79°C/174°F	ASTM D1264	0.5
Dropping Point	ASTM D2265	301°C/574°F
Copper Corrosion	ASTM D4048	1A
Four Ball Wear, Scar Ømm	ASTM D2266	0.43
Corrosion Protection	ASTM D1743	1,1,1 Pass
EMCOR Rust Test	ASTM D6138	0,0
Base Oil Viscosity		
cSt @ 40°C/SUS @ 100°F	ASTM D445	110/575
cSt @ 100°C/SUS @ 210°F		12/68
Base Oil Viscosity Index	ASTM D2270	98
High Temperature Grease Life Test		
@ 10,000RPM @ 350° F (177°C)	ASTM D3336	> 750 Hours
Temperature Range		
°C	-	-30 to 163
°F	-	-22 to 325

The values quoted above are typical of normal production. They do not constitute a specification.

Application Method

- Grease Gun (Air, Air/Hydraulic, Hydraulic or Manual)

Packaging

- DUALCO HSBG is available in 14oz Cartridges.

Applications HSBG is specifically intended for high-speed ball and roller bearing lubrication in alternators, generators, starters, electric motors, sealed for life and other long life applications.

Features

- Excellent thermal and oxidation stability provides long lasting protection for high speed bearings
- High temperature grease life (ASTM D3336) performance for HSBG exceeds 750 hours at 350 ° F/177 °C
- Excellent resistance to water washout requires less re-greasing and maintenance
- HSBG can also lower maintenance costs as a result of reduced breakdowns under high shear conditions
- High mechanical stability in severe operating conditions
- For Industrial Use Only



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