TECHNICAL DATA SHEET

HHS 500

Extreme pressure adhesive grease

Product Description

Extreme pressure (EP) adhesive grease for excellent protection against weathering and environmental influences. Long lasting sprayable grease with OMC_2 technology.

Areas of Application

Suitable for exposed lubricating surfaces with heavy dirt and weather influences such as bearings, wire cables, spring balancers, journal bearings and much more. Also ideal for lubricating door pins, hinges, sliding rails, chains, chain wheels, cable winches, spindles, gearwheels, toothed racks, etc.

Directions

Shake can thoroughly before use. Surface should be clean of all dirt, grease and grime. Spray evenly 20 to 25 cm (8 – 10 in) from the surface.

Technical Details

Format	Aerosol
Lubricant System	Grease
Thickener	Lithium
Oil Base	Synthetic
Colour	Opal Green
NLGI Class (DIN 51818)	2
Temperature Range	-25°C to +150°C
Short Term Temperature Resistance	+170°C
Density	0.77 g/cm³
Solid Lubricant	OMC_2
Wear Protection/Service Life SRV (DIN 51824)	Wear Rate: 153
Corrosion Protection SKF-Emcor-method (DIN 51802)	Corrosion Degree: 0 - 1
Oxidation Resistance	Good
Smell/Fragrance	Characteristic
Shelf Life	36 Months
Resin-Free	Yes
Silicone-Free	Yes
Acid-Free	Yes
AOX-Free	Yes

GREASE FLUID GREASE OIL

Description	Contents	Art. No.
HHS 500	**324 g**	**893.1065**

Key Features

Minimizes wearing and substance loss of lubricated surfaces

- Improves lubricity due to thermoplastic surface smoothing (OMC_2) technology.
- Reduces friction temperature, resulting in longer lubricating effect.

Low dust and dirt adhesion

- Suitable especially for outdoor applications exposed to dust and dirt.
- Long term lubrication of parts.

High pressure parts can be lubricated

- Resistant to high pressure loads due to extreme pressure additives.
- Excellent noise and vibration damping properties.

Material compatibility

- Compatible with plastic, metal, painted surfaces etc.

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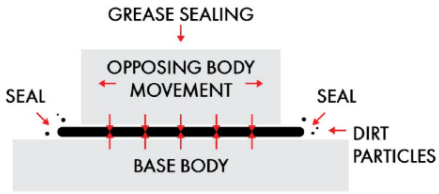
Technical Details (continued)

Sealing behaviour against dirt and splash water:



The grease forms a sealing "grease collar" against moisture and dirt particles between the opposing body and the base body. The dirt cannot reach the lubricating point, ensuring long term lubrications. The lubricating intervals extended in this war are only possible with good pre-cleaning of the lubricating point.

Manner of operation of OMC2 technology

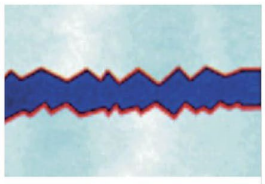


Fig. 1

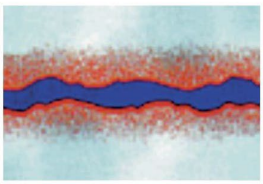


Fig. 2

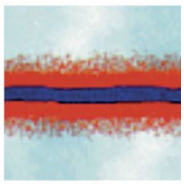


Fig. 3

From a microscopic standpoint, all metal surfaces are rough (Fig.1) and are subject to constant wear and substance loss when subjected to friction. HHS 500 with OMC2 technology smoothes the metal surfaces by means of thermoplastic flow deformation (Fig.2-3), ensuring the longer life of the components.

Disclosure Information

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