



TECHNICAL DATA SHEET

HEAVY DUTY GREASE

Description

Heavy Duty Grease is calcium sulfonate complex grease especially developed for the steel industry. It is formulated to be used for high temperature lubrication of plain and rolling bearings exposed to heavy loads in the presence of water. Due to its unique thickener's nature, it shows excellent anti-rust properties and outstanding resistance against water washout.

Properties

- ❖ Superior anti-rust and anti-wear properties.
- ❖ Extreme water washout performance.
- ❖ Excellent mechanical stability even in presence of plenty of water.
- ❖ Very high dropping point (>300°C).
- ❖ Exceptional load carrying properties (four ball welding load >500 kg).
- ❖ Very good adhesiveness to metal surfaces.
- ❖ Easy pumpability by centralized automatic lubrication systems.
- ❖ Shows sealing effect under wet and muddy environment.
- ❖ Contributes to longer bearing life.

Application

Heavy Duty Grease is specifically designed for use in the steel, iron and metallurgical industries. It is particularly suitable for use in bearings under heavy loads & vibrations with medium & low rotation speed, exposed to high temperature and in contact with water requiring anti-corrosive action. Its application temperature range is from -20°C to +200°C.

ART. NO.
W 150 211

PACKAGING:
1 KG



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Typical Physical and Chemical Properties

		Test Method
Appearance	Blue, homogeneous	-
Soap Type	Calcium Sulfonate Complex	-
Base Oil Viscosity@ 40°C	460	ASTM D 445
Worked Penetration (1/10 mm)	265-295	ASTM D 217
NLGI No	2	-
Dropping Point, °C	>300	ASTM D 2265
Bearing Rust Test @ 52°C	Passes	ASTM D 1743
Copper Corrosion @ 24h & 100°C	Max. 1b	ASTM D 130
Oil Separation @ 30h & 150°C, %	<2,5	ASTM D 6148
Water Spray @ 5m & 38°C & 40 psi, %	15	ASTM D 4049
Water Washout @ 1h & 79°C, %	<0,5	ASTM D 1264
Four Ball Welding Load, kg	>500	ASTM D 2596
Four Ball Scar Diameter, mm	0,4	ASTM D 2596

Packaging and Storage

The product should be stored sealed under normal storage conditions. Shelf life in original package and at room temperature is 3 years. Available in 16 KG Pails and 180 KG Drums.

Health and Work Safety

Normal safety precautions (i.e. gloves and safety goggles) should be employed when handling. Avoid eye and prolonged skin contact. Wash thoroughly after handling material. For more information please see the Material Safety Data Sheet (MSDS).

Data brought back in the present informative technical sheet describe the indicative medium characteristics of the product: these can be varied without warning and they do not constitute sale specifications.

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