

FETT 218 M

Lithium grease with MoS₂ (3%)

Description

GREASE 218 M (FETT 218 M) is a lithium grease with protective emergency running properties caused by the extremely effective amount of the solid lubricant molybdenum disulphide (MoS₂). From 0.7 to 1.5 µ thick, these tiny pads form an extremely adhesive, completely smooth, resilient film on bearing surfaces, which thereby accounts for these excellent emergency running properties.

Product features

- high proportion of solid lubricant MoS₂ (3%)
- excellent emergency running properties
- reliable operation even under extreme impact loads
- complies with the specifications of well-known manufacturers
- first-class corrosion and oxidation protection
- broad working temperature range
- good resistance to water

Field of application

GREASE 218 M (FETT 218 M) is suitable for highly loaded, slow-turning ball bearings and tribological pairings. Withstands high levels of stress and has good emergency running properties. Ideal for lubricating bolts and slide bearings with oscillating movements. Suitable for fifth wheel couplings metal on metal.

Application

GREASE 218 M (FETT 218 M) complies with the specifications of well-known manufacturers of construction machinery and vehicles such as Caterpillar, Komatsu, Akermanns, O&K, Volvo, Scania and many others that require their machines and vehicles to be lubricated with a grease exhibiting a molybdenum content of 2–5%.

Notes

Not suitable for fast-turning or pre-stressed roller bearings.

Specifications

DIN 51502, KPF2K-20

Technical Data

Properties	Test according to	Unit	Values
Colour			grey-black
Base oil type			mineral
Thickener			Li-12-OHst
Viscosity			NLGI 2
Description DIN	DIN 51502		KPF 2 K-20
Density at 20 °C		g/cm ³	0.000
Viscosity at 40°C	DIN 51562-1	mm ² /s	220.0
Viscosity at 100°C	DIN 51562-1	mm ² /s	17.5
Viscosity index	DIN ISO 2909		84.0
Flash point	DIN EN ISO 2592	°C	> 250
Flowing pressure	DIN 51805	hPa	< 1,400
Flowing pressure temp.		°C	-30
Corrosion test to EMCOR	DIN 51802		0-0
Temperature operating range		°C	-20 - 120
Drop point	DIN ISO 2176	°C	> 185
Worked penetration	DIN ISO 2137	0.1mm	265 - 295
Water resistance	DIN 51807-1		1 - 90