



## Greases of IKL

### EXTREMUM

EXTREMUM - Premium quality Molybdenum additive Grease is multi purpose grease manufactured based on highly refined base oils with lithium soap as a thickening agent, supplemented with molybdenum disulfide (3%) and other additives to achieve the following properties: STRONG ADHESSION TO METAL.

EXTREMUM - is designed for the lubrication of various applications in all types of operating conditions, but particularly where the loads and operation temperature are high and the use of conventional lithium soap greases is limited. It is fortified with molybdenum disulfide (3%), known for its excellent lubricating properties and its ability to coat metal surfaces as a protection against wear.

#### EXTREMUM Benefits

- Positive lubrication and wear protection because tacky and adhesive lubricant film stays in place, resisting wipe off or squeeze out at high speeds and loads
- Effective extreme pressure (EP) and antiwear protection prevents scoring, scuffing, and seizure of moving surfaces under heavy loads, shock loads, or overloads
- Molybdenum disulfide coats metal surfaces for additional protection against destructive sliding friction and wear in especially severe applications.
- Strongly adherent lubricant film resists wash-off and throw-off.
- Provides a better rust protection and longer oxidation protection
- Retain their structure and consistency even after severe mechanical working
- Does not change hardness after repeated heating and cooling cycles.
- Extended bearing life potential in wet environments for reduced bearing costs and unanticipated downtime

EXTREMUM is used for high pressure metal sliding against metal situations.

EXTREMUM is recommended for roller bearings subjected to very heavy loads and shock loading, especially in slow, or oscillating motion such as found Vibration Screen, Crushers and Heavy applications where radial load and axial loads are applied on Rolling Bearings.

EXTREMUM proves its possibility to increase the lifetime of IKL Rolling Bearings by minimum 30% in vibrating screen application and our team will be happy to share this experience with you, our esteemed Customer.

The quality of EXTREMUM Grease is equivalent to EU regulations

DIN 51 502: KPF K-2 30

ISO 7623:1993



### Properties and Specifications

Property	Method	Unit	Value
Color	visuell	-	Anthrazit/anthracite
Thickener type	-	-	Lithium
Classification	DIN 51 502	-	KPF 2 K-30
NLGI-class	DIN 51 818	-	2
Worked penetration	DIN ISO 2137	0,1 mm	265-295
Dropping point	DIN ISO 2176	°C	> 185
Usage temperature	-	°C	-30 bis + 130
Usage temperature	-	°F	-22 bis + 266
VKA welding force	DIN 51 350-4	N	4000
Resistance to water	DIN 51 807-1	Bew.-Stufe	1-90
Base oil viscosity at 40 °C	ASTM D-7042	mm <sup>2</sup> /s	130
Corrosion effect on copper	DIN 51 811	Korr.-Grad	1-100