



# ZAP GREASE BROWN

## Description

ZAP Grease BROWN is a multi-purpose, extreme pressure lubricating grease based on lithium 12-hydroxystearate soap thickener and a high quality mineral base oil. The grease contains rust and corrosion inhibitors, anti-oxidants, and extreme pressure / anti-wear (EP/AW) additives.

## Application

ZAP Grease BROWN is developed for general lubrication under high loads in automotive and industrial applications where operating temperature goes up to 120°C. It is suitable for the lubrication of heavy duty transport, agriculture, off-road and construction equipment / vehicle and for general plant equipment lubrication.

Use ZAP Grease BROWN for lubrication of plain and rolling element bearings, universal joints, chassis, pins and bushings operating in dusty, wet or dry conditions.

Operating temperature range from -30 to 120°C.

## Product Data

Stock No. Z-18 / Z-18.1 / Z-18.3  
400 g Pull-Off Cartridge / 18 kg Keg / 180 kg Drum  
24 Cartridges per Box  
50 Boxes per Pallet / 33 Kegs per Pallet / 4 Drums per Pallet  
Barcode Cartridge / Box: 4752134000680 / 4752134000758  
Barcode 18 kg Keg / 180 kg Drum:  
4752134000697 / 4752134000703  
Shelf Life: 5+ years (from date of manufacture)

## Technical Specifications

ISO 6743-9: ISO-L-XCCHB 2  
DIN 51 502: KP2K-30

## Technical Data

Characteristics	Test Method	Unit	Typical Value
NLGI grade	ASTM D 217	-	2
Thickener		-	Lithium 12-hydroxystearate
Base Oil Viscosity at 40°C		mm <sup>2</sup> /s	100
Colour	Visual	-	Brown
Appearance	Visual	-	Smooth, Homogenous
Cone Penetration, Worked	ISO 2137	1/10 mm	265-295
Dropping Point	ISO 2176	°C	> 185
Dynamic Rust Test, EMCOR	ISO 11007	Rated	0-0 Distilled Water
Water Washout Test	ISO 11009	-	< 10% (79°C, wt.% loss)
Four-Ball Weld Load	ASTM D2596	kgf	255
Operating Temperature Range		°C	-30°C to 120°C

Above characteristics are mean values given as information for guidance purposes only.

No warranty expressed or implied is given concerning the accuracy of the information or the suitability of the product.

## Performance Features

- Very Good Water Resistance**  
Protects bearing surfaces against rust and corrosion, even when the grease is contaminated with water
- High Load Carrying Capacity**  
Contains extreme pressure additives, which enables it to withstand heavy and shock loads without failure of the lubricant film
- Good Mechanical Stability, Resistant to Softening**  
Retains the consistency and lubrication efficiency, will not leak out of the lubrication points
- Excellent Lubricity and Wear Protection**  
Formulated to protect metal surfaces against wear and corrosion.
- Low Temperature Performance**  
Reliable lubrication and good pump-ability at low temperatures down to -30°C
- Very Good Oxidation Stability**  
Withstands high operating temperatures without hardening or forming hard deposits in bearings
- Wide Range of Applications**  
A truly versatile Grease, suitable for general plant use

