

## Description

ZAP Grease GRAPHITE is lithium-calcium soap thickened lubricating grease based on high quality mineral base oil with low pour point. A unique mixed soap structure ensures outstanding water resistance.

The grease contains antioxidants, rust and corrosion inhibitors and EP/AW additives. The addition of graphite provides extra protection against wear.

## Application

ZAP Grease GRAPHITE can be universally used. It has improved water resistance and is suitable for lubrication under moderate to high loads where operating temperature goes up to 120°C.

It is suitable for heavy-duty transport, agricultural, off-road and construction equipment/vehicle lubrication, where water and dust contamination are significant.

ZAP Grease GRAPHITE is intended for lubrication of bearings and joints operating under moderate speeds and loads. Use it for the lubrication of heavily loaded open gear drives, threaded joints, exposed chains, steel cables and wires as well as other slides where grease with solid lubricants is required.

Operating temperature range: -30°C to 120°C.

## Product Data

Stock No. Z-8 / Z-8.1 / Z-8.3

Packages: 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: 4752134000321 / 4752134000444

Barcode 18 kg Keg / 180 kg Drum: 4752134000338/ 4752134000345

Shelf Life: 5+ years (from date of manufacture)

## Technical Data

Characteristics	Test Method	Unit	Typical Value
NLGI grade	ASTM D 217	-	2
Thickener		-	Lithium-Calcium
Base Oil			Mineral
Base Oil Viscosity at 40°C		mm <sup>2</sup> /s	110
Colour	Visual	-	Black
Appearance	Visual	-	Smooth, Homogenous
Cone Penetration, Worked	ISO 2137	1/10 mm	265 – 295
Prolonged Cone Penetration	ISO 2137	1/10 mm	<20
Dropping Point	ISO 2176	°C	>185
Corrosive Effects on Copper	ASTM D4048	24h at 100°C	max 1
Dynamic Rust Test, EMCOR	ISO 11007	Rated	0-0 Distilled Water
Water Washout Test	ISO 11009	%	<7 (80°C, wt.% loss)
Water Resistance Test	DIN 51 807-1	-	0-90 Typical
Four-Ball Weld Load	ASTM D2596	kgf	260
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



**ZAP GREASE  
GRAPHITE**

## Performance Features

- Additional Wear Protection**  
 A unique mixed thickener system is blended with properly ground graphite powder, which enables added lubricity and avoids jamming or sticking of moving parts.
- Excellent Water Resistance**  
 Formulated to offer high level of resistance to water wash-out
- Protection against rust and corrosion**  
 Has a strong affinity with metal and the ability to protect bearing surfaces against corrosion, even when the grease is contaminated with water.
- Low Temperature Performance**  
 Reliable lubrication at low temperatures down to -30°C
- Contains Graphite**  
 Reduces friction under high and shock loads. Good lubrication in high humidity, superior protection against wear. Graphite parts retain lubricity after accidental oil loss or overheating
- Wide Range of Applications**  
 A truly multi-purpose Grease

## Technical Specifications

ISO 6743-9: ISO-L-XCCHA 2

DIN 51 502: KF2K-30