



### Description

**ZAP Grease BLACK** is a water resistant Calcium soap thickened lubricating grease with graphite. The addition of graphite powder ensures considerably higher extreme pressure properties, which provides reliable protection against wear.

The grease contains a stickiness additive that provides extraordinary elasticity to the grease and guarantees superior adhesion to metal surfaces.

### Application

**ZAP Grease BLACK** is a very tacky, water resistant grease for use in various applications: automotive, marine, heavy-duty on-road and off-road vehicles, forestry and agricultural machinery.

It is particularly suitable as a fifth wheel lubricant in transport applications. It is also suitable for lubrication of other heavily loaded joints, hinges and mechanisms that work in temperatures not exceeding 70°C degrees.

**ZAP Grease BLACK** is a cost saving product meant for various industrial applications. Use it for the lubrication of heavily loaded open gear drives, threaded joints, chain drives, metal ropes and wires, elevator sliders and other open sliding parts. Operating temperature range: -20°C to 70°C

### Product data

Stock No. Z-9.1 / Z-9.3  
 Packages: 18 kg Keg / 180 kg Drum  
 33 Kegs per Pallet / 4 Drums per Pallet  
 Barcode 18 kg Keg / 180 kg Drum:  
 4752134000253 / 4752134000260  
 Shelf Life: 5+ years (from date of manufacture)

### Technical data

Characteristics	Test Method	Unit	Typical Value
NLGI grade	ASTM D 217	-	2
Thickener		-	Calcium
Base Oil			Mineral
Colour	Visual	-	Black
Appearance	Visual	-	Smooth, Homogenous
Cone Penetration, Worked	ISO 2137	1/10 mm	265 – 295
Dropping Point	ISO 2176	°C	>100
Oil Separation, 42h @ 40°C	IP 121	%	<3
Water Washout Test	ISO 11009	%	<10 (40°C, wt.% loss)
Four-Ball Weld Load	ASTM D2596	kgf	280
Operating Temperature Range		°C	-20°C to 70°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

- High Load Carrying Capacity**  
 A special Calcium soap thickener is blended with dispersed graphite powder, which enables it to withstand heavy loads without failure of the lubricating film
- 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.
- Wide Temperature Range**  
 Performs well in low as well as in high ambient temperatures. Graphite parts retain lubricity after accidental oil loss or overheating
- Contains Graphite**  
 Reduces friction under high and shock loads. Good lubrication in high humidity, superior protection against wear
- Wide Range of Applications**  
 An exceptionally versatile Grease

### Technical Specifications

ISO 6743-9: ISO-L-XBAHB 2  
 DIN 51 502: KPF2C-20