

MULTIS 180-1



Lubricating grease



Multipurpose extreme pressure high temperature Lithium-Calcium complex grease.

APPLICATIONS

Multi purpose extreme pressure high temperature lithium complex grease

General lubrication

Recommendation

- **MULTIS 180-1** is designed for the lubrication various applications in all types of operating conditions, but particularly where the operating temperature is high and there is a need of adhesive grease.
- **MULTIS 180-1** is a true multi purpose grease, formulated for lubrication of loaded ball, plain and roller bearings, wheelbearings, universal joints, chassis, and various shock loaded or vibrating applications in mining, transport, agriculture and off-road vehicles.
- **MULTIS 180-1** is also well-suited for very low ambient temperatures as it exhibits high pumpability.
- Always avoid contamination of the grease by dust and/or dirt when applying. Preferably use a pneumatic pump system or cartridges.

SPECIFICATIONS

Classifications

- ISO 6743-9: L-XBEHB 1
- DIN 51502: KPF0 P- 30

ADVANTAGES

Extensive application range

**Mechanical stability
Thermal stability**

No harmful substance

- Thanks to its sophisticated formulation, **MULTIS 180-1** is able to meet the lubrication requirements of various types of equipment, enabling to reduce the number of greases on site.
- Good adhesion.
- Enhanced oil film resistant to water ingress, variations in temperature and pollution which makes it possible to reduce maintenance costs and increase productivity.
- Miscible with the majority of conventional greases.
- **MULTIS 180-1** does not contain lead, or other heavy metals considered harmful to human health and the environment.

TYPICAL CHARACTERISTICS	METHODS	UNITS	MULTIS 180-1
Thickener		-	Complex lithium
NLGI grade	ASTM D 217	-	1
Colour	Visual	-	Red
Appearance	Visual	-	Smooth
Penetration at 25°C	ASTM D 217	0.1 mm	310 – 340
4 ball weld load	ASTM D 2596	kgf	≥ 315
SKF- EMCOR anti-rust performance	ISO 11007	rating	0 – 0
Dropping point	IP 396/DIN ISO 2176	°C	> 240
Viscosity of base oil at 40°C	ASTM D 445	mm ² /s (cSt)	180

Above characteristics are mean values listed for purposes of information

**TOTAL LUBRIFIANTS
INDUSTRIE – Asia pacific**
MULTIS 180-1
January 2020
1/1



This lubricant used as recommended and for the application for which it has been designed does not present any particular risk. A material safety data sheet conforming to the regulations in use in the E.C. is obtainable via your commercial advisor.
<https://sds.totalsms.total.com/TotalPullWebsite/en>