

# CERAN XS 320



Grease



**Low temperature synthetic calcium sulfonate complex grease - Extreme-pressure.**

## APPLICATIONS

**Multi purpose heavy duty**  
**Low temperatures**  
**Water resistant grease**  
**Applications in industry**

- **CERAN XS 320** is a **synthetic heavy duty extreme pressure** grease, specially designed for applications working **under low temperatures** conditions and **heavy loads**.
- **CERAN XS 320** is pre-eminently suitable for lubrication of industrial, and 'heavy duty' off-road applications working in low temperature environments.
- **CERAN XS 320** is also used as a protection grease.
- Always avoid contamination of the grease by dust and/or dirt when applying. Preferably use a pneumatic pump system or cartridges.

## SPECIFICATIONS

- ISO 6743-9: L-XEFIB 1/2
- DIN 51 502: KP1/2R-30

## ADVANTAGES

**True multi purpose**  
**High loads**  
**Water resistant**  
**Low temperatures**  
**High temperatures**  
**Anti corrosion**

**No harmful substances**

- Thanks to its very sophisticated formula and the use of synthetic base oil, **CERAN XS 320** performs well at very low as well as high temperatures.
- Excellent thermal stability. It regains its original texture after cooling to ambient temperature.
- Remarkable load resistance thanks to its naturally high extreme pressure and anti-wear properties.
- Extraordinary water resistance, no significant loss of consistency is observed even with high amounts of water entering the grease.
- Excellent anti-oxidation and anti-corrosion properties thanks to the very nature of the calcium sulfonates, also in the presence of sea water.
- **CERAN XS 320** does not contain lead, or other heavy metals considered harmful to human health and the environment.

TYPICAL CHARACTERISTICS	METHODS	UNITS	CERAN XS 320
Soap/thickener		-	Calcium sulfonate
NLGI grade	ASTM D 217/DIN 51 818	-	1 - 2
Color	Visual	-	Brown
Appearance	Visual	-	Smooth
Operating temperature range		°C	- 30 to 180
Penetration at 25°C	ASTM D 217/DIN51 818	0.1 mm	280 - 310
Four ball weld load	ASTM D 2596	kgf	400
Anti-rust performance SKF- EMCOR	DIN 51 802/IP220/NFT 60-135/ISO 11007	Rating	0 - 0
Flow pressure 1400 mbar	DIN 51805	°C (mbar)	-33
Torque at -30°C at start	ASTM D 1478	mN.m	624
After 1h running		mN.m	72
Dropping point	IP 396/NFT 60 102C	°C	> 300
Kinematic viscosity of the base oil at 40°C	ASTM D 445/DIN 51 562-1/ISO 3104/ IP71	mm <sup>2</sup> /s (cSt)	320

Above characteristics are mean values given as an information.

## TOTAL LUBRIFIANTS

Industrie

19-07-2013 (supersedes 29-01-2013)

CERAN XS 320

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 adviser [www.quick-fds.com](http://www.quick-fds.com).