

# 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-XDFFB1/2
- DIN 51 502: KP1/2R-40

## 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	- 40 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	Rating	0 - 0
Flow pressure	DIN 51802/IP220/NFT 60-135/ISO 11007	°C (mbar)	-33
1400 mbar	DIN 51805	mN.m	624
Torque at -30°C	ASTM D 1478	mN.m	72
at start			
After 1h running			
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

18-02-2014 (supersedes 19-07-2013)

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).