

## SMART OIL 2

Complex oil, designed for the lubrication of guides, slides, sliding plans and columns of machine tools. It's obtained from the mix of different components and it's characterized by a very low static friction coefficient (i.e. standing start, starting) and, in particular, lower than the dynamic friction coefficient (i.e. moving), to ensure a regular and uniform progress of the wagons and tables, even under heavy loads.

This lubricant also has outstanding extreme pressure properties to protect the mechanical parts in movement one against each other at high specific pressures. The high adhesive power, finally, reduces to a minimum any dripping.

**SMART OIL 2** is an all-purpose, suitable for a wide range of applications as slides, tables, scrolling floors and columns of machine tools. It is also suitable for centralized lubrication systems.



**Part Number**  
**3225468**

### SMART OIL 2

*All the consequent problems of vibration and bounce (stick-slip), which cause a bad degree of finishing of the working parts during machining, are deleted.*

### TECHNICAL CHARACTERISTICS

<b>GRADE ISO VG</b>	100
<b>Viscosity at 40° C</b>	100,37 cSt (ASTM D 445)
<b>Density at 20° C</b>	0,887 Kg/lit (ASTM D 1298)
<b>Flashpoint</b>	250 (ASTM D 92)
<b>Pour point</b>	-9 ° C (ASTM D 97)

## ORDERING INFORMATION

SMART OIL 2

3225468



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C1056PE WK 16/13



## DROPSA POLAR GREASE NLGI 2

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Lubrication Systems and Solutions Specialists

C2132PE WK 09/09

## Technical Data Sheet

PN# 3226667

**DESCRIPTION:**

- lithium soap grease
- high mechanical load capacity
- water resistant
- meets the requirements of the VW standard TL 778 type A
- classification K 2 K-50 as per DIN 51 825
- classification ISO-L-XECHA 2 as per ISO/DIS 6743-9

**CHARACTERISTICS:****1. General**

Colour/Appearance		light yellow, Smooth	
NLGI-class		2	DIN 51 818
Operating temperature range	°C	-50 up to +120	

**2. Composition**

Viscosity of the base oil/40°C	mm <sup>2</sup> /s	30	DIN 51 562
Thickening agent		lithium soap	
Water content	%	< 0.1	DIN 51 777/T1

**3. Properties**

Drop point	°C	> 180	DIN ISO 2176
Work penetration/0,1mm			DIN ISO 2137
60 double strokes		280	
60 000 double strokes		300	

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Flow pressure				DIN 51 805
at +20°C	hPa	80		
at -35°C	hPa	400		
Oil separation	%	4.0		DIN 51 817
Water resistance		evaluation level 1		DIN 51 807/T1
Corrosion protection behaviour (EMCOR-test)		0/0		DIN 51 802
Oxidation stability 100°C/100h	bar	0.2		DIN 51 808
VKA welding load	N	2 200		DIN 51 350/T4
Compatibility with elastomer NBR 28/48h at 110°C				
Shore-A-hardness	Sha	- 4		DIN 53 505
Change in weight	%	+ 4		DIN 53 521

## APPLICATION:

**DROPSA POLAR GREASE NLGI 2** is a multipurpose low temperature grease for the lubrication of slide and roller bearings, especially those with high sliding friction. Ranges of application are e.g. motor vehicles, construction machines, farm vehicles and industrial machines of all kinds. **DROPSA POLAR GREASE** can be easily transferred, even through long lubrication lines.

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