

# STABURAGS® N 12 MF

Long-term lubricating grease for plain and rolling bearings



## Description

STABURAGS N 12 MF is a long-term mineral oil grease for plain and rolling bearings operating at high temperatures and medium speeds. It contains solid lubricants (MoS<sub>2</sub>) for additional safety by emergency running properties at higher temperatures or loads.

Current material safety data sheets can be downloaded from our website [www.klueber.com](http://www.klueber.com) or requested from Klüber Lubrication.

- Meets DIN 51806, May 1970, RZF test run B at 140°C
- Good corrosion protection
- Reduces wear
- Good emergency running properties due to solid lubricants

## Applications

For the lubrication of bearings subject to high temperatures in fans, spline shafts, exhausters and hot air blowers. Especially suitable for long-term lubrication of electric motors and enclosed rolling bearings that are not relubricated.

## Application notes

STABURAGS N 12 MF is easy to apply by brush, spatula or conventional metering systems.

## Minimum shelf life

Minimum shelf life is approx. 36 months when stored carefully in dry rooms and unopened original packs.

## Pack sizes

400 g cartridge  
1 kg can  
25 kg hobcock

## Product data

Base	mineral oil/ Na complex/MoS <sub>2</sub>
Colour	black
Service temperature range*, [°C], approx.	-20 to 140
Density, at 20°C, [g/cm <sup>3</sup> ], approx.	0.95
Drop point, DIN ISO 2176, [°C]	> 220
Cone penetration of lubricating greases, DIN ISO 2137, worked penetration at 25°C, [0.1mm], approx.	245 to 275
Kinematic base oil viscosity, DIN 51562 T01, Ubbelohde, 40°C, [mm <sup>2</sup> /s], approx. 100°C, [mm <sup>2</sup> /s], approx.	210 18
Speed factor**, (nxd <sub>m</sub> ), [mm/min], approx.	500,000
Apparent dynamic viscosity, Klüber viscosity grade***	M

\* Service temperatures are approximations that depend on the lubricant's composition, intended use and application method. Lubricants change their consistency, apparent dynamic viscosity or viscosity depending on mechanical-dynamical load, time, pressure and temperature. Such variations in product characteristics can affect the function of a component.

\*\* Speed factors are approximations that will vary with rolling bearing type and size and local operating conditions. They need to be confirmed empirically by the user in each individual case.

\*\*\* Klüber viscosity grades: EL = extra light lubricating grease; L = light lubricating grease; M = medium lubricating grease; S = heavy lubricating grease; ES = extra heavy lubricating grease

The data in this product information is based on our general experience and knowledge at the time of printing and is intended to give information of possible applications to a reader with technical experience. It constitutes neither an assurance of product properties nor does it release the user from the obligation of performing preliminary tests with the selected product. We recommend contacting our Technical Consulting Staff to discuss your specific application. If required and possible we will be pleased to provide a sample for testing. Klüber products are continually improved. Therefore, Klüber Lubrication reserves the right to change all the technical data in this product information at any time without notice.



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