

Productinformation

WDT GREASE 500

High performance multi-purpose grease with extraordinary characteristics

- APPLICATIONS:** long-term lubrication in all machine and vehicle areas
- under exposure to the elements, wet, dust, vibration, impact and high pressure load
 - under normal and difficult working conditions
 - in wet areas in the paper and textile industries, in filling stations and leather processing
 - in shipbuilding, harbours and dockyards, barrages and lifting equipment
 - for maintenance-free, long-term lubrication of industrial machines, vehicles, building machinery, cranes and fork lifts
 - for use at high temperatures in autoclaves, ventilator bearings, deflexion pulleys, guideways and joints
 - **to reduce the range of different products required!!**

PRODUCT DESCRIPTION: 'WDT 500' is a water-resistant, thermostable, high pressure grease; adhesive with a broad range of applications, based on a special complex-soap combination.
'WDT 500' does not contain heavy metals or any other materials which may be harmful to one's health or the environment.

- PERFORMANCE RANGE:**
- excellent mechanical stability in rolling and sliding bearings
 - extremely high load carrying capacity due to EP and wear prevention characteristics
 - excellent thermic stability – drop point >290°C (when it has cooled back down to room temperature it returns to its original texture)
 - excellent water resistance – even after absorption of 20% water, the consistency class continues to be sustained
 - top class oxidation and corrosion protection, even under the influence of salt water, hot water and steam
 - Temperature range for application: -25 to + 160°C

INSTRUCTIONS As is usual for grease.
Cover the parts to be lubricated with a thin and even film.
Rolling bearings should not be filled by more than half.
Under high temperatures the rolling bearings should only be filled to a maximum of 40%.
The bearing manufacturer's instructions should be observed

| ORDER INFORMATION | Order no. | Contents | Type of container |
|-------------------|------------|----------|-------------------|
| | 03-101 001 | 400 g | 1 box = 24 units |
| | 03-101 005 | 5 KG | 1 metal can |
| | 03-101 015 | 15 KG | 1 hobbock |
| | 03-101 025 | 20 KG | 1 hobbock |



TECHNICAL DATA:

'WDT 500'

| | Characteristics | Unit | Testing procedure |
|-------------------------------------|----------------------------|--------------------|-------------------|
| Colour | brownish | - | visual |
| Type of saponification | Calcium-sulphanate complex | | |
| NLGI grade | 2 | | DIN 51 818 |
| Worked penetration W 60 | 285 | 0.1 mm | ISO 2137 |
| Drop point | 290 | °C | ISO 2176 |
| 4-ball test weld load | 4,600 | N | DIN 51 350 |
| Base oil viscosity / 40°C | 180 | mm ² /s | DIN 51 562 |
| Flash point (base oil) | 200 | °C | DIN 51376 |
| Water resistance at 20/50/90 °C | totally resistant | - | DIN 51 807 |
| Water washout loss: | weight % | <1.0 | ASTM D 1264 |
| Corrosion protection SKF-Emcor-Test | no corrosion | 0/0 | DIN 51 802 |
| Operating temperature range : | -25 to 180 | °C | |
| Short-term: | up to 200 | °C | - |
| Long-term: | up to 160 | °C | - |
| DN factor | 500,000 | | |
| Classification | KP 2N - 25 | | DIN 51 502 |

This information has been carefully compiled and corresponds with the current state of development. We reserve the right to make changes in the interests of progress and further development. No obligation, of any kind, can be derived from this information.