

Tribol™ GR HT 2

High-temperature grease for long-term lubrication

Description

Castrol Tribol™ GR HT 2 (previously called Optitemp™ HT 2) is high performance grease for long-term lubrication of rolling and sliding bearings at high operating temperatures as well as at normal or medium bearing pressures. Tribol GR HT 2 is light-colored.

Application

- For thermally loaded rolling and sliding bearings such as fan bearings in the textile, wood, plastics and food industries as well as in stove furnaces of the automotive industry
- For steam-heated calender or drying cylinder bearings
- As sealing grease for labyrinth seals at high temperatures
- For the application in slightly acidic or alkaline atmospheres

Advantages

- optimum wear protection in the high load range
- extremely good load bearing capacity
- especially aging and temperature-resistant
- structurally stable
- resistant to cold and hot water, limited resistance to alkalis and acids
- excellent corrosion protection
- pumpable in central lubrication systems
- temperature application range: -20 °C/-4 °F to +160 °C/+320 °F. In case of life-lubricated bearings the temperature of +150 °C/+302 °F under normal conditions should not be exceeded. Short-term operation at higher temperatures is possible - please consult our Technical Service.

Typical Characteristics

Name	Method	Unit	Tribol GR HT 2
Color	Visual	-	Brown
Base	-	-	Inorganic Thickeners
Consistency/NLGI	DIN 51818	-	2
Base oil viscosity @ 40 °C	ISO 3104/ASTM 445	mm ² /s	500
Worked penetration PW 60	ASTM D217/DIN ISO 2137	0.1 mm	265 - 295
Difference: PW 100.000 - PW 60	-	0.1 mm	50
Dropping point	DIN ISO 2176	°C/°F	none
Water resistance at +90 °C/+194 °F	DIN 51807 T.1	-	0
Corrosion Protection (SKF Emcor)	DIN 51802	-	0
Oxidation resistance at 100 h/100 °C/212 °F, Pressure drop	DIN 51808	bar	0.4
Four Ball o.k Load	DIN 51350 T4	N	1800

Subject to usual manufacturing tolerances

Additional Information

Please follow the bearing manufacturer's specifications.

Do not mix Tribol GR HT 2 with other lubricating greases. In case of doubt please consult the Technical Service.

Thoroughly clean bearings before introducing the initial fill.

Fill bearing housing only about half-full with Tribol GR HT 2

This product was previously called Optitemp HT 2. The name was changed in 2015

Tribol™ GR HT 2

05 Mar 2019

Castrol, the Castrol logo and related marks are trademarks of Castrol Limited, used under licence.

This data sheet and the information it contains is believed to be accurate as of the date of printing. However, no warranty or representation, express or implied, is made as to its accuracy or completeness. Data provided is based on standard tests under laboratory conditions and is given as a guide only. Users are advised to ensure that they refer to the latest version of this data sheet. It is the responsibility of the user to evaluate and use products safely, to assess suitability for the intended application and to comply with all applicable laws and regulations. Material Safety Data Sheets are available for all our products and should be consulted for appropriate information regarding storage, safe handling, and disposal of the product. No responsibility is taken by either BP plc or its subsidiaries for any damage or injury resulting from abnormal use of the material, from any failure to adhere to recommendations, or from hazards inherent in the nature of the material. All products, services and information supplied are provided under our standard conditions of sale. You should consult our local representative if you require any further information.

Castrol Industrial, Technology Centre, Whitchurch Hill, Pangbourne, Reading, RG8 7QR, United Kingdom

<http://msdspds.castrol.com>