



## Tribol™ GR TT 1 PD

Low-temperature Grease

### Description

Castrol Tribol™ GR TT 1 PD (previously called Optitemp TT1 ) is high performance greases for applications with wide temperature ranges. It is especially suited for rolling and sliding bearings with medium bearing pressures.

The additive combination Microflux Trans in Tribol GR TT 1 PD adjusts to varying operating conditions and actively prevents wear.

### Application

- Rolling and sliding bearings
- Clutch bearings and wheel hubs.
- For bearings running at high speeds with an x dm factor up to about 1 mio.
- Low-temperature applications.
- WideTemperature application range: - 60°C /- 76°F to +120°C/+248°F

### Advantages

- Load carrying capacity.
- Optimum wear protection in the high load range.
- Temperature-independent over a wide application range.
- In certain applications can be used for lifetime lubrication.
- Excellent corrosion protection, largely prevents fretting corrosion.
- Anticorrosive.
- Pumpable in centralized lubricating systems.

## Typical Characteristics

Name	Test Method	Units	TT 1 PD
Colour	Visual	-	Light Brown
Base oil	-	-	Synthetic
Thickener type	-	-	Organic/ Inorganic
Density @ 20 °C/68 °F	Inhouse method	kg/m <sup>3</sup>	965
Worked Penetration (60 strokes @ 25°C/77 °F)	ASTM D217	0.1 mm	310 - 340
Dropping Point	ASTM D566/ISO 2176	°C/°F	>300/>572
Rust Test- EMCOR (distilled water)	ASTM D6138/ISO 11007	Rating	1
Oil Separation (168 hrs @ 40 °C/104 °F)	IP 121/DIN 51817	%wt	5.50
Flow pressure @-35 °C/-31 °F	DIN 51805	hPa	235
Copper Corrosion (24 hrs, 100 °C/212 °F)	ASTM D130/ISO 2160	Rating	1b

Subject to usual manufacturing tolerances.

## Additional Information

Please observe the specifications of the bearing manufacturers. TRIBOL GR TT 1 PD is not to be mixed with other greases. Thoroughly clean bearing before introducing the initial fill.

Maximum performance can only be assured if the product is not mixed with other lubricants.

Fill bearing housing only about half full with grease

**This product was previously called Optitemp TT 1. The name was changed in 2015**

Tribol™ GR TT 1 PD  
30 Jul 2015

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