

r.grea UTF 15

Hot Screw Assembly Paste – NLGI-Grade 1-2

Description

r.grea UTF 15 is a smooth copper coloured paste, based on a non ageing mineral oil, containing fine powder of copper and other solid lubricants.

Application and properties

r.grea UTF 15 is used for screw connections which are exposed to extreme pressure, high temperature and corrosion.

r.grea UTF 15 has very good sealing up characteristics allowing non-destructive dismounting of working pieces. These properties are kept even at temperatures up to 700°C.

r.grea UTF 15 is not suitable for lubrication of roller bearings.

Application examples:

screw connections in exhausts, steel industry, steam boiler constructions in chemical industry, different kinds of oven constructions.

Advantages:

- resistant against high temperatures
- non ageing
- resistant against water
- good corrosion protection
- high loading capacity
- electro-conductive
- avoids oxidising and burn-up
- good sealing effect
- adhesive on all metal surfaces

Technical Data

Operating temperature range		-30 to +700 °C
Drop point	ASTM D 2265	not dropping
Worked penetration after 60 strokes	ASTM D 217	285 to 315 1/10 mm
Type of base oil		mineral oil
Base oil viscosity at 40° C	ASTM D 445	25 mm ² /s
Water resistance	DIN 51 807-01	1 – 90
Screw Test: (M12 of C45, 8.8 Material No.: 1.0503 Tightening torque Ma = 80 Nm, 21 h at 300 °C)	House method	beak-off torque: 90 Nm
Designation	DIN 51 502	MPF 1-2 U-30

Subject to modification of the technical data. Please refer to the material safety data sheet for additional information or contact our application engineers.

Edition

10/06