

Low-Temperature Torque of Lubricating Grease (automatic)

ASTM D 1478 (obs.)

Product group(s): Grease

User group(s): Lubricating Grease

Scope: This test method covers the determination of the extent to which a grease retards the rotation of a slow-speed ball bearing by measuring starting and running torques at low temperatures below -20 °C (0 °F).



Low-Temperature Torque Test Equipment

More details are mentioned in the "Order Number" section

Technical Data

Cooling Range:

- Standard: -54 °C (-65 °F)
- Optional: -73 °C (-100 °F)

Temperature Uniformity:

±0.5 °C (±1 °F)

Dimensions (L x W x H):

123 x 86 x 116 cm

Weight:

272 kg

Main Unit

**99-0505 Low Temperature Torque Apparatus
Model for Ball Bearing Greases**
former ASTM D 1478

Consisting of:

an insulated, thermostatically controlled air chamber with test rigs, drive shafts and externally mounted gear motors. Rotates drive shafts at 1 rpm while electronic load cell-strain gauge indicators measure the torque required to restrain the test rigs. Digital LED displays indicate torque for each drive unit and cold chamber temperature.

Equipped with:

2 test cages and 2 ball bearings.

Note! Data acquisition software is available

Power supply: 220 V, 50 Hz

Options & Accessories

99-0506 Strip Chart Recorder
2-pen recorder provides hard copy record of torque measurements for each test rig.

99-0507 Data Acquisition Software Package

Spare Parts

99-0508 Test Bearing ASTM D 1478

Order Guideline

Minimum equipment: 1x 99-0505
Spares (approx. 1 year): 99-0508
Additional requirements: