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# INTERNATIONAL STANDARD



# 2176

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INTERNATIONAL ORGANIZATION FOR STANDARDIZATION • МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ • ORGANISATION INTERNATIONALE DE NORMALISATION

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## Petroleum products — Lubricating grease — Determination of dropping point

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## FOREWORD

ISO (the International Organization for Standardization) is a worldwide federation of national standards institutes (ISO Member Bodies). The work of developing International Standards is carried out through ISO Technical Committees. Every Member Body interested in a subject for which a Technical Committee has been set up has the right to be represented on that Committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work.

Draft International Standards adopted by the Technical Committees are circulated to the Member Bodies for approval before their acceptance as International Standards by the ISO Council.

International Standard ISO 2176 was drawn up by Technical Committee ISO/TC 28, *Petroleum products*.

It was approved in July 1971 by the Member Bodies of the following countries:

Australia	India	Spain
Austria	Ireland	Sweden
Belgium	Italy	Switzerland
Bulgaria	Netherlands	Turkey
Chile	New Zealand	United Kingdom
Czechoslovakia	Poland	U.S.A.
Egypt, Arab Rep. of	Portugal	U.S.S.R.
France	Romania	
Germany	South Africa, Rep. of	

No Member Body expressed disapproval of the document.

# Petroleum products — Lubricating grease — Determination of dropping point

## 1 SCOPE AND FIELD OF APPLICATION

This International Standard describes a method for the determination of the dropping point of lubricating grease.

## 2 DEFINITION

**dropping point** : The temperature at which a grease acquires a certain fluidity in the course of a test conducted under standardized conditions.

The dropping point should be considered to have only limited bearing upon service performance.

## 3 APPARATUS

**3.1 Grease cup** in chromium-plated brass, conforming to the dimensions shown in Figure 1.

**3.2 Test tube**, of heat-resistant borosilicate glass, with rim, conforming to the dimensions shown in Figure 2. The tube is provided with three indentations on the circumference to support the grease cup at about the point shown in Figure 2.

**3.3 Thermometers**, partial immersion type, conforming to the following specification:

Range	- 5 to + 300 °C
Immersion	76 mm
Graduation	1 °C
Longer lines at each	5 °C
Figured at each	10 °C
Scale error not to exceed	1 °C
Overall length	390 ± 5 mm
Stem diameter	6.5 ± 0.5 mm
Bulb length	10 to 15 mm
Bulb diameter	5.5 ± 0.5 mm
Distance from bottom of bulb to 0 °C line	100 to 110 mm
Distance from bottom of bulb to 300 °C line	329 to 358 mm

Dimensions in millimetres

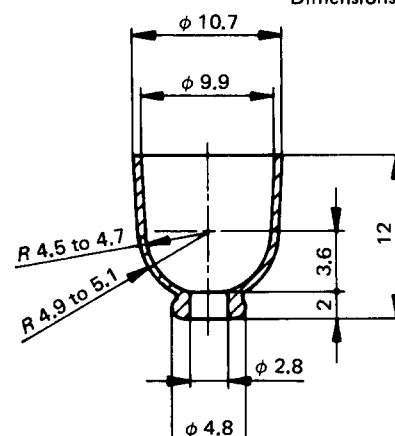


FIGURE 1 — Cup

Dimensions in millimetres

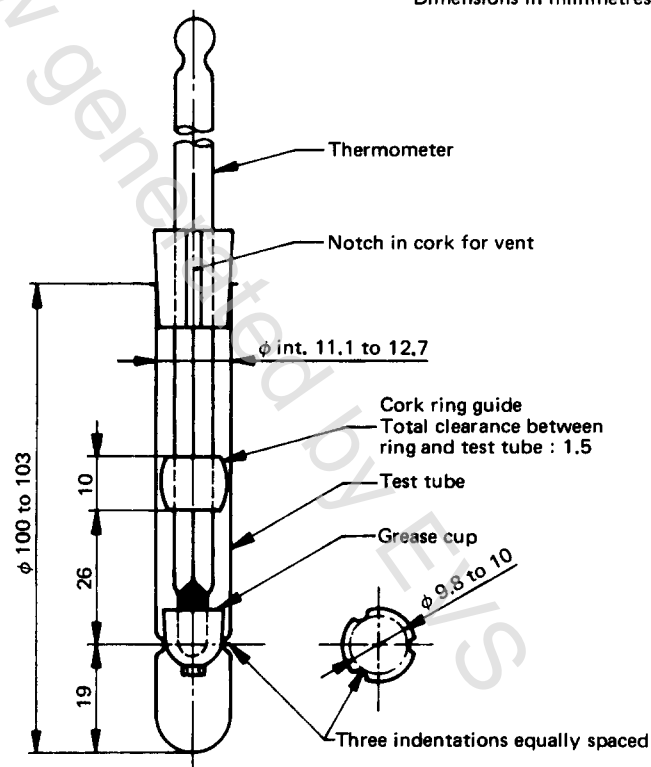


FIGURE 2 — Assembled apparatus