



Textile floor coverings — Tetrapod Walker apparatus — Constructional details and instructions for use

Revêtements de sol textiles — Appareil tétrapode — Détails de construction et mode d'emploi

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ISO/TR 6131 was prepared by Technical Committee ISO/TC 38, *Textiles*.

The reasons which led to the decision to publish this document in the form of a technical report type 2 are explained in the Introduction.

0 Introduction

The Tetrapod Walker apparatus is well known and widely used in the textile floor covering industry. This Technical Report describes the apparatus in detail, so that uniformity between different sets of apparatus can be improved, and provides instructions for its use.

The reasons that an International Standard has not been produced are

- excessive variations in test results between laboratories, due to differences between sets of apparatus and assessment procedures;

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- lack of a standard for appearance retention assessment procedures, currently being studied by a Working Group of ISO/TC 38/SC 12;
- the fact that important appearance aspects such as pilling are not shown by the apparatus.

1 Scope and field of application

This Technical Report describes the constructional details of, and provides use instructions for, the Tetrapod Walker apparatus. It is applicable to all textile floor coverings with a thickness not greater than 20 mm.

Assessment of specimens or any other operations carried out after the use of the apparatus according to clause 4 do not form part of this Technical Report.

2 References

ISO 139, *Textiles — Standard atmospheres for conditioning and testing*.

ISO 868, *Plastics and ebonite — Determination of indentation hardness by means of a durometer (Shore hardness)*.

ISO 4065, *Thermoplastic pipes — Universal wall thickness table*.

3 Design data

3.1 Drum

The cylindrical drum shall be very rigid and shall be closed by a lid.

The inner dimensions shall be

- diameter : 200 to 210 mm
- height : 190 to 195 mm

The material for the drum wall shall be a poly(vinyl chloride) (PVC) tube of wall thickness at least 6 mm. The bottom and lid are fixed on the drum by suitable means (see figure 1).

ISO 4065 defines the dimensions of suitable PVC pipes.

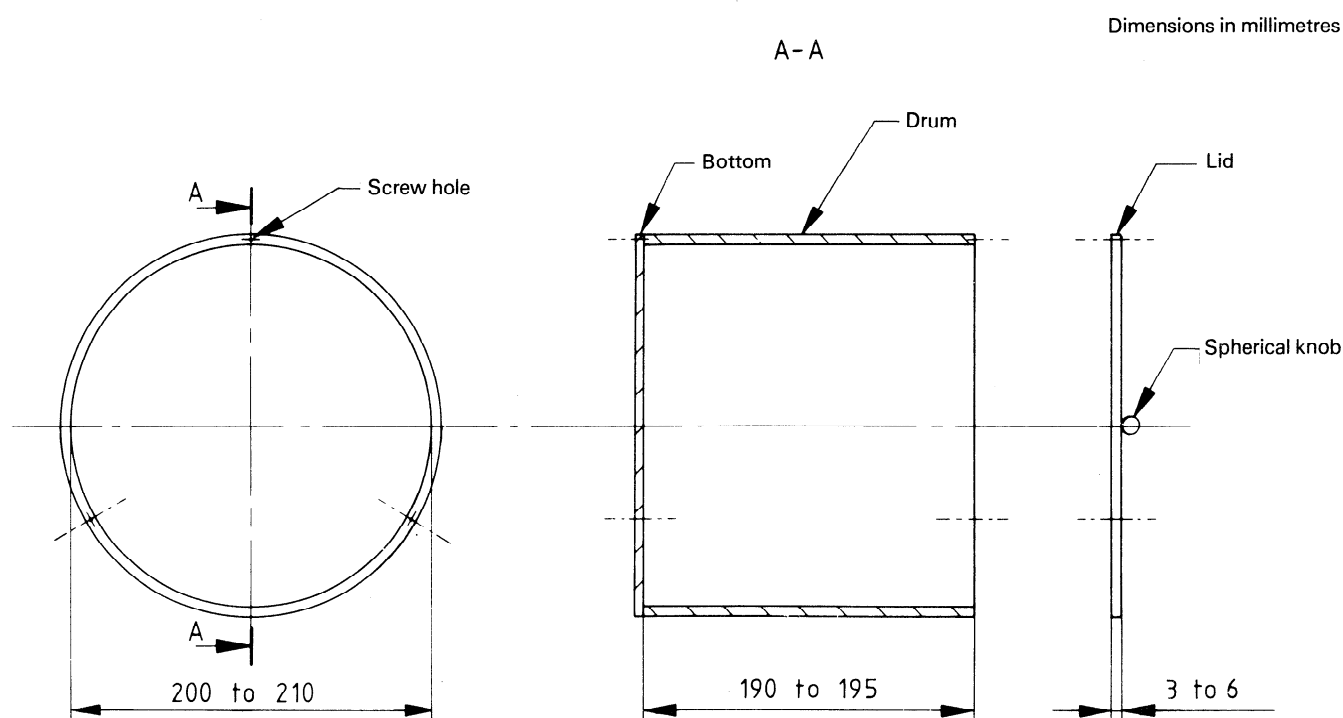


Figure 1 — Drum dimensions