SLOVENSKI STANDARD
SIST EN 15301-2:2007

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Podloge za športne dejavnosti - 2. del: Določanje strižne trdnosti z dinamičnim merjenjem zgornjega dela neelastičnih mineralnih podlog v laboratoriju

Surfaces for sports areas - Part 2: Determination of shear strength by dynamic top layer testing of unbound mineral surfaces in the laboratory

Sportböden - Teil 2: Bestimmung der Scherfestigkeit durch Prüfung der dynamischen Decklage von ungebundenen mineralischen Belägen im Laboratorium

Sols sportifs - Partie 2: Détermination par essai dynamique en laboratoire de la résistance au cisaillement de la couche supérieure des sols minéraux non liés

Ta slovenski standard je istoveten z: **EN 15301-2:2007**

ICS:

97.220.10	Športni objekti	Sports facilities

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English Version

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EUROPEAN COMMITTEE FOR STANDARDIZATION
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Foreword

This document (EN 15301-2:2007) has been prepared by Technical Committee CEN/TC 217 “Surfaces for sports areas”, the secretariat of which is held by BSI.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by October 2007, and conflicting national standards shall be withdrawn at the latest by October 2007.

EN 15301 *Surfaces for sports areas* consist of the following parts:

Part 1: Determination of rotational resistance

Part 2: Determination of shear strength by dynamic top layer testing of unbound mineral surfaces in the laboratory

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

1 Scope

This part of EN 15301 specifies a method for determining the shear strength by dynamic top layer testing of unbound mineral surfaces in the laboratory.

2 Apparatus

The apparatus shall comprise the following components:

a) (250 ± 5) mm diameter mould with removable base;

b) steel plate used to distribute the compaction force (Figure 1);

c) compaction hammer with drop weight (Figure 1);

- mass of weight: (15,17 ± 0,25) kg;
- drop height: (620 ± 5) mm;

d) shearing disc (Figures 2, 3 and 4);

e) two shearing disc alignment gauges (Figures 2 and 3):

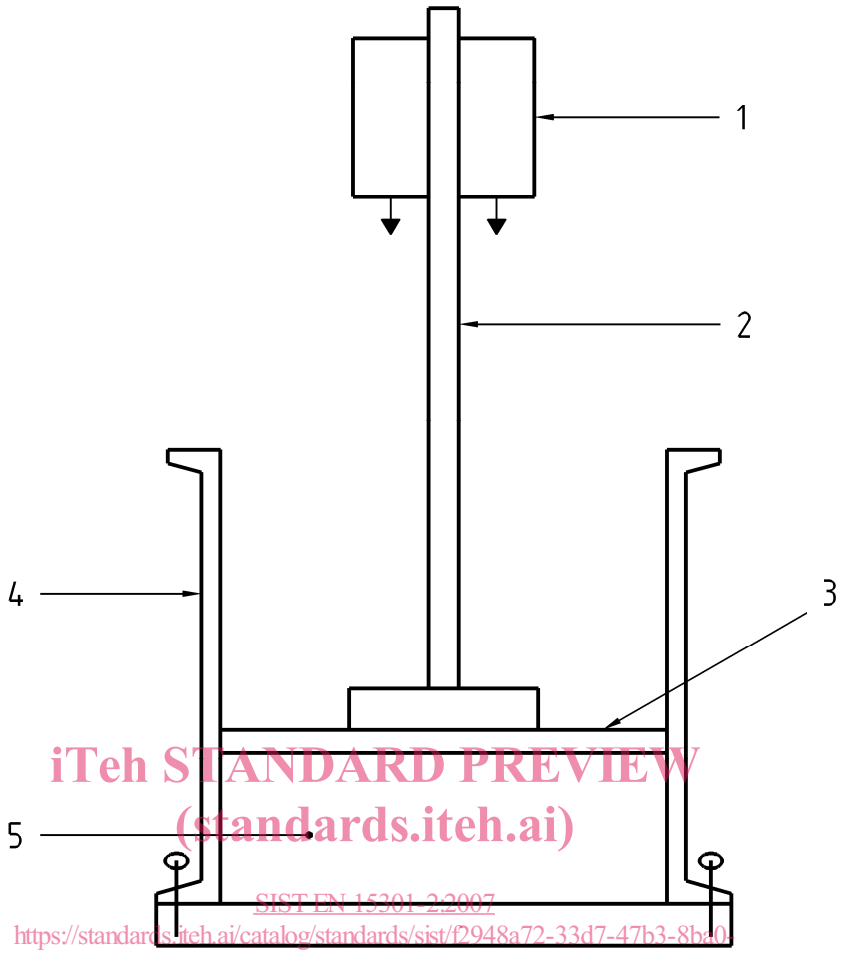
- centring gauge;
- vertical alignment gauge;

f) cardan shaft transmitting the force produced onto the disc (Figure 4);

g) device used to attach the measuring instrument to be installed on the test mould, with a vertical pin for the transmission of shear force by free rotation (Figure 4);

h) instrument for the dynamometric measurement of shear force by rotation (Figure 4);

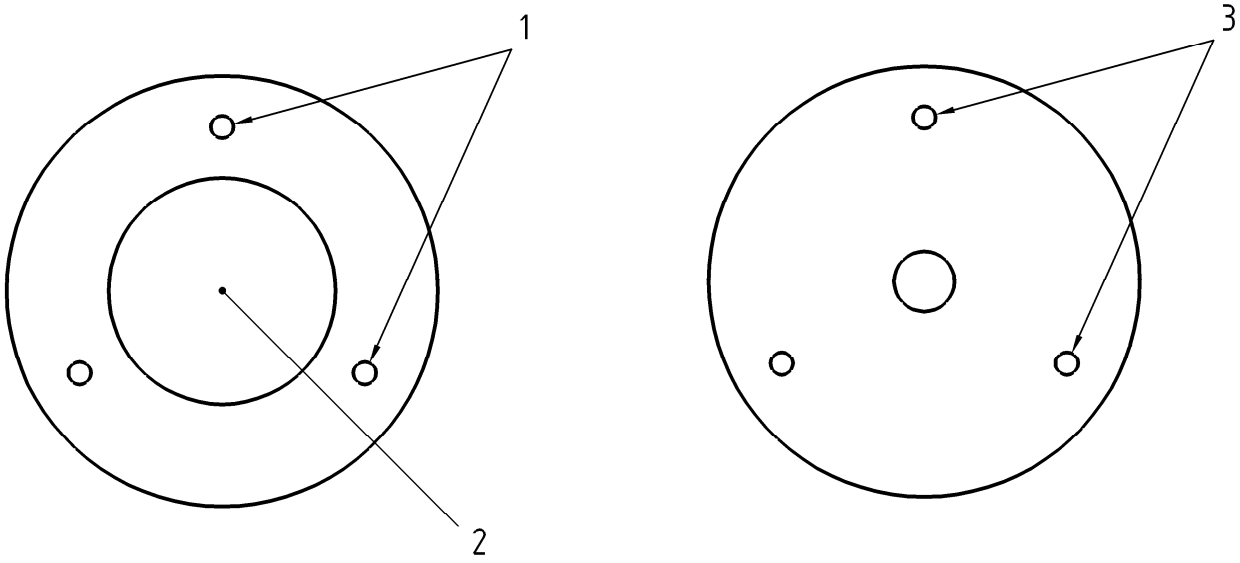
i) scales weighing up to 10 kg, to an accuracy of within ± 1 g.



Key

1 drop weight
2 mass guide pin
3 steel plate
4 mould with removable baseplate
5 material

Figure 1 — Compaction of the sample in the test mould



a) Shearing disc centring gauge

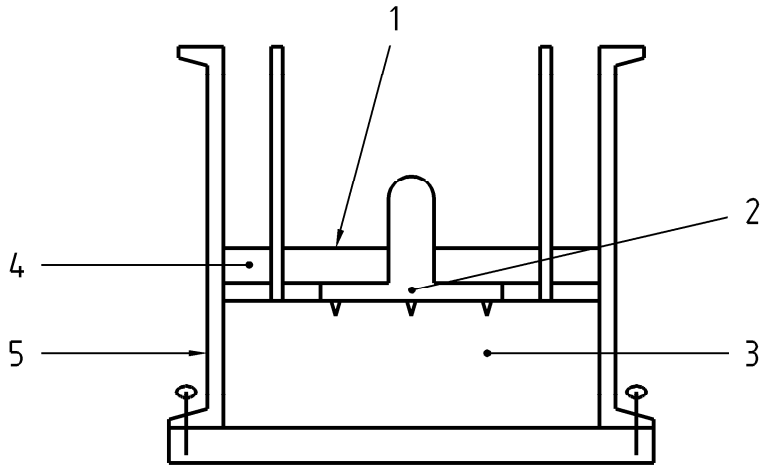
b) Vertical alignment gauge

Key

1 metal rod
2 shearing disc
3 positioning tube

NOTE The vertical alignment gauge tubes fit over the metal rods on the centring gauge.

Figure 2 — Centring and alignment gauges



Key

1 vertical alignment gauge
2 shearing disc
3 compacted material
4 centring gauge
5 mould

Figure 3 — Shearing disc centring and adjustment