



SLOVENSKI STANDARD

SIST EN 749:2005

01-januar-2005

BUXca Yý U

SIST EN 749:1996 + A1:1998

CdfYa Uýdcfb] \][f]ý '!'Fc_ca YfbUj fUH!': i b_V]cbUbY']b'j UfbcgbY'nU H]j Y'Hf
dfYg_i gbY'a YfcXY

Playing field equipment - Handball goals - Functional and safety requirements, test methods

Spielfeldgeräte - Handballtore - Funktionelle und sicherheitstechnische Anforderungen, Prüfverfahren

Equipements de jeux - Buts de handball - Exigences fonctionnelles et de sécurité, méthodes d'essai

<https://standards.iteh.ai/catalog/standards/sist/fc5aa3ad-4880-4177-b229-91725f85b6fb/sist-en-749-2005>

Ta slovenski standard je istoveten z: EN 749:2004

ICS:

97.220.30 Oprema za dvoranske športe Indoor sports equipment

SIST EN 749:2005

en,fr,de

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST EN 749:2005

<https://standards.iteh.ai/catalog/standards/sist/fc5aa3ad-4880-4177-b229-91725f85b6fb/sist-en-749-2005>

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 749

September 2004

ICS 97.220.30; 97.220.40

Supersedes EN 749:1995 + A1:1998

English version

**Playing field equipment - Handball goals - Functional and safety
requirements, test methods**

Equipements de jeux - Buts de handball - Exigences
fonctionnelles et de sécurité, méthodes d'essai

Spielfeldgeräte - Handballtore - Funktionelle und
sicherheitstechnische Anforderungen, Prüfverfahren

This European Standard was approved by CEN on 24 June 2004.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

iTeh STANDARD PREVIEW
(standards.iteh.ai)
<https://standards.iteh.ai/catalog/standards/sist/fc5aa3ad-4880-4177-b229-91725f85b6fb/sist-en-749-2005>



EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

Management Centre: rue de Stassart, 36 B-1050 Brussels

Contents

Foreword.....	3
1 Scope	4
2 Normative references	4
3 Requirements	4
3.1 Classification.....	4
3.2 Dimensions.....	4
3.3 Material	7
3.4 Design	7
3.4.1 Goal frame	7
3.4.2 Nets	7
3.4.3 Ground sockets.....	8
4 Safety requirements	8
4.1 General requirements.....	8
4.2 Goal frame	8
4.3 Strength	8
4.4 Stability	9
4.5 Net supporting brackets	9
4.6 Net fixings.....	9
4.7 Frame entrapment.....	9
5 Test methods.....	9
5.1 General.....	9
5.2 Determination of strength.....	9
5.3 Determination of stability.....	9
6 Assembly, installation and maintenance instruction.....	9
7 Warning label	11
8 Marking	11
Annex A (informative) Examples of foundations	12
Bibliography	13

ITeH STANDARD PREVIEW
(standards.iteh.ai)

<https://standards.iteh.ai/catalog/standards/sist/fc5aa3ad-4880-4177-b229-91725f85b6fb/sist-en-749-2005>

Foreword

This document (EN 749:2004) has been prepared by Technical Committee CEN/TC 136 “Sports, playground and other recreational equipment”, the secretariat of which is held by DIN.

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 March 2005, and conflicting national standards shall be withdrawn at the latest by March 2005.

This document supersedes EN 749:1995 + A1:1998.

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

iTeh STANDARD PREVIEW (standards.iteh.ai)

[SIST EN 749:2005](https://standards.iteh.ai/catalog/standards/sist/fc5aa3ad-4880-4177-b229-91725f85b6fb/sist-en-749-2005)

<https://standards.iteh.ai/catalog/standards/sist/fc5aa3ad-4880-4177-b229-91725f85b6fb/sist-en-749-2005>

EN 749:2004 (E)**1 Scope**

This document specifies the functional requirements for 2 types (see Clause 3) and the safety requirements (see Clause 4) for handball and indoor hockey goals.

It is applicable to handball goals for training and competition.

NOTE Goals according to this document can also be used for indoor football.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN ISO 1806, *Fishing nets — Determination of mesh breaking force of netting* (ISO 1806:2002)

prEN ISO 2307, *Fibre ropes — Determination of certain physical and mechanical properties* (ISO/DIS 2307:2003)

3 Requirements**3.1 Classification**

Handball goals shall be classified by design (types) as shown in Table 1.

SIST EN 749:2005
<https://standards.iteh.ai/catalog/standards/sist/1c5aa3ad-4880-4177-b229-91725f85b6fb/sist-en-749-2005>

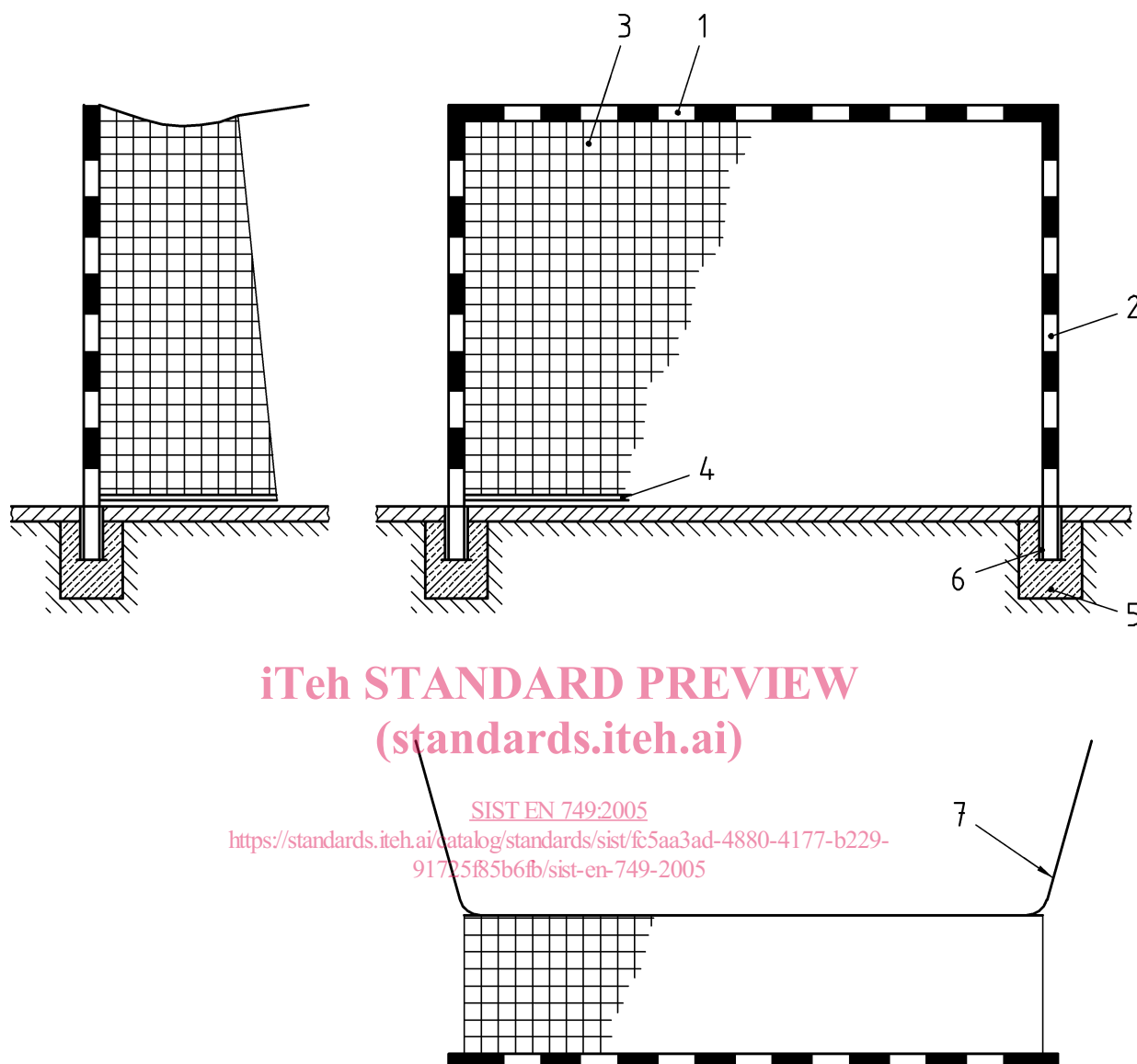
Table 1 — Types

Type	Description
1	Handball goal with ground sockets, see Figure 1
2	Freestanding handball goal, see Figure 2

3.2 Dimensions

Handball goals shall comply with the dimensions shown in Figure 2.

Dimensions in millimetres



iTeh STANDARD PREVIEW (standards.iteh.ai)

<https://standards.iteh.ai/catalog/standards/sist/fc5aa3ad-4880-4177-b229-91725f85b6fb/sist-en-749-2005>

Key

- | | | | |
|---|---------------|---|----------------|
| 1 | Crossbar | 5 | Ground socket |
| 2 | Upright | 6 | Concrete block |
| 3 | Net | 7 | Net headline |
| 4 | Net weighting | | |

Figure 1 — Handball goal type 1

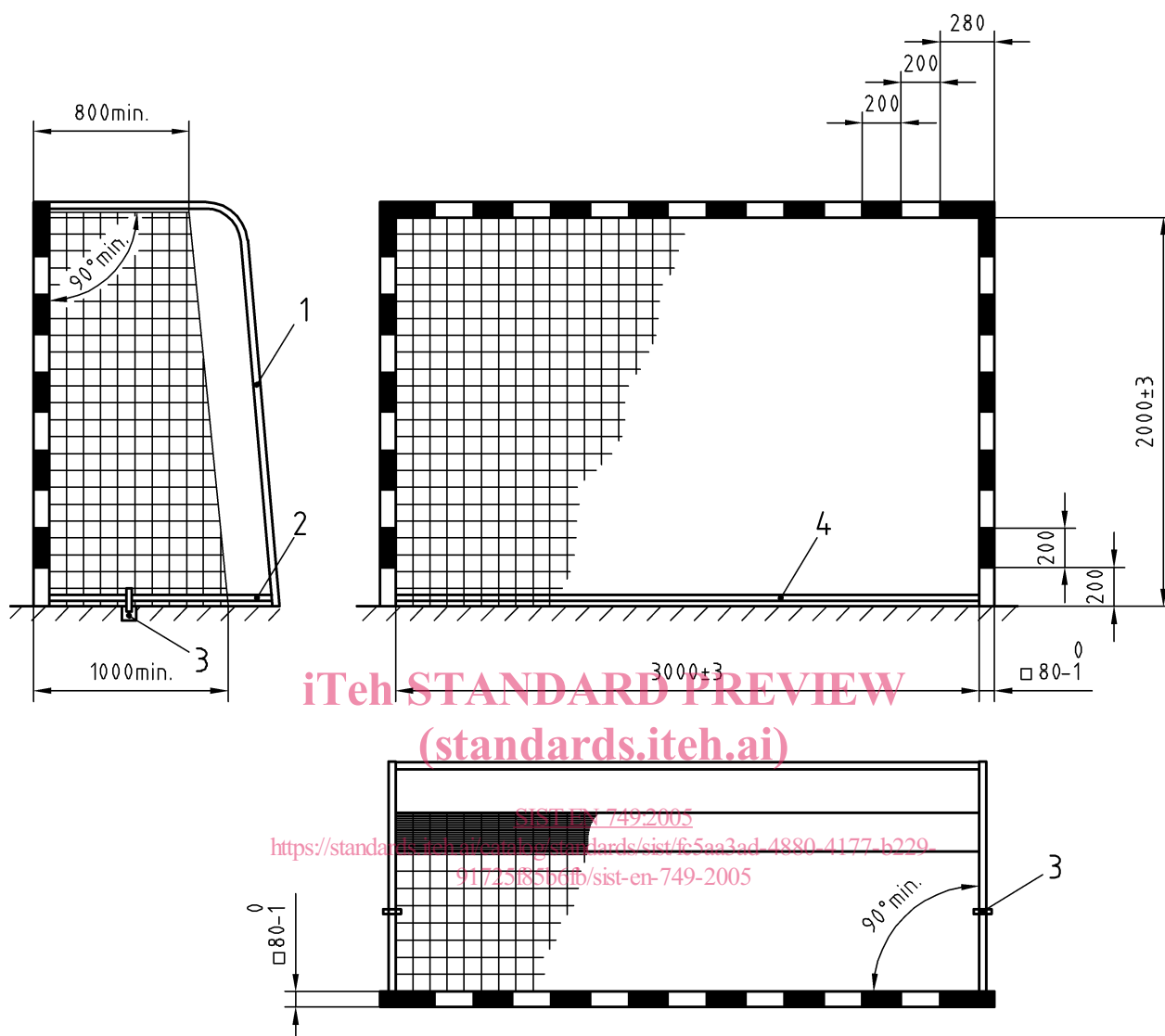
Example for foundation see Annex A.

A handball goal Type 1 consists of:

- the goal frame (2 uprights and 1 crossbar) including net fixings and ground sockets;
- 1 net with net headline and net weighting.

Handball goals Type 1 may also be made with net supporting brackets and bottom back bar like Type 2; other goals can be supplied as a folding up type with a supporting frame or wall fixing.

Dimensions in millimetres

**Key**

- | | | | |
|---|-------------------------|---|--------------------------------|
| 1 | Net supporting brackets | 3 | Example of anti-tilting device |
| 2 | Bottom side bar | 4 | Bottom back bar |

Figure 2 — Handball goal type 2

A handball goal Type 2 consists of:

- the goal frame (2 uprights and 1 crossbar) including net fixings;
- 2 net supporting brackets;
- 2 bottom side bars;
- anti-tilting devices (at least one at each side);
- 1 bottom back bar (or a weighted line);
- 1 net.

3.3 Material

The goal frame may be made of timber, steel, light metal or plastics.

Net supporting brackets and bottom side and back bars shall be made of light metal and/or steel protected against corrosion (e.g. hot galvanized, powder coated or painted).

The net fixings to the goal shall be made of non-corrosive metal or of plastic material.

For the net, net yarns may be used made of synthetic or natural fibres.

For the net headline synthetic ropes shall be used.

3.4 Design

3.4.1 Goal frame

The construction shall be sufficiently secure to withstand the stresses occurring during a game and during transport. The latter requirement is fulfilled when the corner section of the goal frame is not deformed or damaged after testing according to 5.2.

The uprights and the crossbar should be marked in accordance with the current regulations of the sports associations.

3.4.2 Nets

3.4.2.1 Dimensions

The net dimensions shall comply with Table 2. [SIST EN 749:2005](https://standards.iteh.ai/catalog/standards/sist/fc5aa3ad-4880-4177-b229-91725f85b6fb/sist-en-749-2005)

[https://standards.iteh.ai/catalog/standards/sist/fc5aa3ad-4880-4177-b229-](https://standards.iteh.ai/catalog/standards/sist/fc5aa3ad-4880-4177-b229-91725f85b6fb/sist-en-749-2005)

Table 2 — Net dimensions

Dimensions in millimetres

length	height	depth		width of mesh	diameter of yarn
		top	ground		
min.	min.	min.	min.	max.	min. ^a
3 100	2 100	800	1 000	100 45 ^b	2
^a The diameter is minimum to minimize the risk of cutting. ^b for indoor hockey					

3.4.2.2 Physical properties

Nets shall comply with Tables 3 and 4, as appropriate.