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# INTERNATIONAL STANDARD



# 1194

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

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## Cheese triers

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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 1194 (originally Draft No. 812.2) was drawn up by Technical Committee ISO/TC 34, *Agricultural food products*.

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

Austria	Germany	Poland
Belgium	Hungary	Portugal
Brazil	India	South Africa, Rep. of
Chile	Iran	Sweden
Czechoslovakia	Israel	Turkey
Egypt, Arab Rep. of	Netherlands	United Kingdom
France	New Zealand	U.S.S.R.

No Member Body expressed disapproval of the document.

# Cheese triers

## 1 SCOPE AND FIELD OF APPLICATION

This International Standard specifies requirements for triers for the sampling of certain types of cheese and gives dimensions of the triers for guidance only.

NOTE – This International Standard describes the general requirements only. For further particulars or requirements refer to the relevant standards for sampling and testing of the type of cheese in question.

## 2 REFERENCES

ISO/R 707, *Milk and milk products – Sampling.*

ISO 1193, *Butter triers.*

## 3 TYPES OF TRIERS

Three types of triers are specified, namely:

Type A – Long

Type B – Medium

Type C – Short

## 4 MATERIALS

The blade and stem shall be made of stainless steel of appropriate hardness.

The grip shall preferably be made of stainless steel. Other materials may be used provided that they do not impart any odours and, in the case of sterilizable triers, they must withstand repeated sterilization.

## 5 CONSTRUCTION

5.1 The blade and stem shall preferably be made in one piece; the transition shall be smooth and polished.

5.2 The transition from stem to blade shall be such that the plug of cheese can be removed easily from the blade.

5.3 The stem shall be flat (rectangular in cross-section), and shall either be straight, running in line or parallel with the back of the blade, or be slightly bent in such a way as to have the handle in line with the central axis of the groove.

5.4 The blade shall taper slightly to the rounded end in such a way that the plug of cheese can be withdrawn easily and the change in structure of the plug of cheese is kept to a minimum.

5.5 The edges and the point of the blade shall be sufficiently sharp to facilitate the sampling of hard cheese.

5.6 The surface of the blade shall be smooth. The inner surface of the blade shall have a circular cross-section.

5.7 The shape, material and finish shall be such as to permit the trier to be easily cleaned or sterilized, as appropriate, according to the conditions described in clause 2.2.1.3 of ISO/R 707.

## 6 PRINCIPAL DIMENSIONS

The types of triers specified in the table are suitable for sampling cheese but the dimensions are given for guidance only.

Values in millimetres

Dimension		Type A Long	Type B Medium	Type C Short
a	Length of blade (subject to a tolerance of 10 %)	540	150	125
b	Minimum thickness of metal in middle of blade	1.5	0.9	0.7
c	Minimum frontal breadth at 15 mm from end of blade	17	14	11

NOTE – The length and breadth of cheese triers Type A and Type C are identical with those of butter triers Type A and Type C (see ISO 1193). Cheese triers are made from thinner material, however, to ensure a tight closing of the hole when reintroducing the plug of cheese.