

# INTERNATIONAL STANDARD

**ISO**  
**2194**

Second edition  
1991-09-15

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## **Industrial screens — Woven wire cloth, perforated plate and electroformed sheet — Designation and nominal sizes of openings**

*Cribles et tamis industriels — Tissus métalliques, tôles perforées et  
feuilles électroformées — Désignation et dimensions nominales des  
ouvertures*



Reference number  
ISO 2194:1991(E)

## Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established 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. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

International Standard ISO 2194 was prepared by Technical Committee ISO/TC 24, *Sieves, sieving and other sizing methods*, Sub-Committee SC 3, *Industrial wire screens*.

This second edition cancels and replaces the first edition (ISO 2194:1972), of which the scope has been extended to include perforated plate and some additional sizes.

Annex A of this International Standard is for information only.

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## Introduction

The nominal sizes of openings specified in this International Standard are taken from the R 10, R 20 and R 40 series of preferred numbers in accordance with ISO 3 and from the R'10, R'20 and R'40 series of rounded values in accordance with ISO 497.

The sizes within each series follow a geometric progression. Therefore, each size of a series differs from the successive size by a constant percentage. Apart from the omission of a few unusual values in the range of the very small sizes, the ratios of the successive sizes are as follows.

Series ISO 3	Step	Ratio
R 10	about 25 %	1,25
R 20	about 12 %	1,12
R 40	about 6 %	1,06