

# INTERNATIONAL STANDARD

**ISO**  
**565**

Third edition  
1990-07-15

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## **Test sieves — Metal wire cloth, perforated metal plate and electroformed sheet — Nominal sizes of openings**

*Tamis de contrôle — Tissus métalliques, tôles métalliques perforées et  
feuilles électroformées — Dimensions nominales des ouvertures*



Reference number  
ISO 565:1990(E)

**ISO 565:1990(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 565 was prepared by Technical Committee ISO/TC 24, *Sieves, sieving and other sizing methods*.

This third edition cancels and replaces the second edition (ISO 565:1983), of which it constitutes a technical revision (see the Introduction).

Annex A of this International Standard is for information only.

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## Introduction

When test sieves of electroformed sheet were incorporated in the second edition of ISO 565 which was published in 1983, the range of sizes of openings were extended down to 5  $\mu\text{m}$  by introducing the values of the R'10 series, in accordance with ISO 497, for all principal sizes from 32  $\mu\text{m}$  and smaller.

In the meantime it has been recognized that there is little call for some of the smaller sizes of openings in metal wire cloth and in electroformed sheet. It was agreed therefore to delete the supplementary sizes 28  $\mu\text{m}$  and 22  $\mu\text{m}$  and the principal sizes 12,5  $\mu\text{m}$ , 8  $\mu\text{m}$  and 6,3  $\mu\text{m}$  from the tables of nominal sizes of openings.

Apart from these omissions, the ratio of successive sizes in the series is as shown in table 0.1.

**Table 0.1**

Series ISO 3 and ISO 497	Step	Ratio
R 20/3	about 40 %	1,40
R'10	about 25 %	1,25
R 40/3	about 19 %	1,19
R 20	about 12 %	1,12

This International Standard will be further revised if it becomes evident that one of the supplementary series given in table 1 and table 2, namely R 20 or R 40/3, has found sufficient general and worldwide recognition that it is no longer necessary to include both series.

Requirements for test sieves, for example tolerances on sizes of openings and methods for verification, are given in ISO 3310-1, ISO 3310-2 and ISO 3310-3.