

INTERNATIONAL STANDARD

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Second edition
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Industrial wire screens and woven wire cloth — Guide to the choice of aperture size and wire diameter combinations —

Part 2 : Preferred combinations for woven wire cloth

*Tamis et tissus métalliques industriels — Guide pour le choix des combinaisons
d'ouverture de maille et de diamètre du fil —*

Partie 2 : Combinaisons préférentielles pour tissus non préformés



Reference number
ISO 4783-2 : 1989 (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 approval before their acceptance as International Standards by the ISO Council. They are approved in accordance with ISO procedures requiring at least 75 % approval by the member bodies voting.

International Standard ISO 4783-2 was prepared by Technical Committee ISO/TC 24, *Sieves, sieving and other sizing methods*.

This second edition cancels and replaces the first edition (ISO 4783-2 : 1984), of which it constitutes a minor revision.

ISO 4783 consists of the following parts, under the general title *Industrial wire screens and woven wire cloth — Guide to the choice of aperture size and wire diameter combinations* :

- *Part 1: Generalities*
- *Part 2: Preferred combinations for woven wire cloth*
- *Part 3: Preferred combinations for pre-crimped or pressure-welded wire screens*

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Industrial wire screens and woven wire cloth — Guide to the choice of aperture size and wire diameter combinations

Part 2 : Preferred combinations for woven wire cloth

1 Scope

This part of ISO 4783 tabulates preferred combinations of aperture size and wire diameter for industrial woven wire cloth which are taken from the general list of aperture/wire combinations given in ISO 4783-1.

It applies to woven wire cloth of aperture size from 16 mm to 0,02 mm.

NOTE — This is the first International Standard on woven wire cloth for industrial purposes; these specifications are a compromise which takes account of existing national standards. ISO Member Bodies are earnestly requested to rationalize further in order to reduce the number of wire diameters per aperture width within the next five years without excluding the option of increasing the number of preferred apertures.

ISO 4783-3 gives the preferred combinations for pre-crimped or pressure-welded wire screens.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this part of ISO 4783. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this part of ISO 4783 are encouraged to investigate the possibility of applying the most recent editions of the standards listed below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 3 : 1972, *Preferred numbers — Series of preferred numbers.*

ISO 497 : 1972, *Guide to the choice of series of preferred numbers and of series containing more rounded values of preferred numbers.*

ISO 2194 : 1972, *Wire screens and plate screens for industrial purposes — Nominal sizes of apertures.*

ISO 4782 : 1987, *Metal wire for industrial wire screens and woven wire cloth.*