

Glossary of

Terms used in industrial screening

Committees responsible for this British Standard

The preparation of this British Standard was entrusted by the General Mechanical Engineering Standards Policy Committee (GME/-) to Technical Committee GME/29, upon which the following bodies were represented:

- BCIRA
- British Cement Association
- British Coal Corporation
- British Laboratory Ware Association
- Coated Abrasives Manufacturers' Association
- Department of Transport
- Guild of Metal Perforators
- Institution of Chemical Engineers
- Institution of Mining and Metallurgy
- Mechanical Handling Engineers' Association
- Ministry of Defence
- NABIM
- Society of Chemical Industry
- Society of Cosmetic Scientists
- Woven Wire Association
- Coopted members

This British Standard, having been prepared under the direction of the General Mechanical Engineering Standards Policy Committee, was published under the authority of the Board of BSI and comes into effect on 31 January 1991

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National foreword

This British Standard has been prepared under the direction of the General Mechanical Engineering Standards Policy Committee. It is identical with ISO 9045:1990 “*Industrial screens and screening — Vocabulary*”, prepared by Technical Committee ISO/TC 24, Sieves, sieving and other sizing methods, of the International Organization for Standardization (ISO), and in the development of which the UK has played an active part.

ISO/TC 24 has prepared several International Standards covering test sieves, test sieving and industrial screens. Since these subjects are connected and the standards overlap, a vocabulary is needed to define terms which are used in the different contexts. Such a vocabulary could be unwieldy, however, since numerous terms are used in industrial screening practice, many of them for a particular material, type of screen or screening process. Accordingly, this International Standard has been compiled to cover the association of test sieves and test sieving with industrial screening, and to include only a selection of other terms which suffice to introduce industrial screening and screens.

Terms connected particularly with the test sieving process which is used in laboratory particle size analysis are defined in ISO 2395:1972 “*Test sieves and test sieving — Vocabulary*”.

Cross-references

International Standard	Corresponding British Standard
ISO 4783	BS 7372 <i>Guide to the choice of aperture size and wire diameter combinations for industrial wire screens and woven wire cloth</i>
ISO 4783-1:1989	Part 1:1991 <i>General</i> (Identical)
ISO 4783-2:1989	Part 2:1991 <i>Preferred combinations for woven wire cloth</i> (Identical)

The Technical Committee has reviewed the provisions of ISO 4783-3:1981, and ISO 9044:1990, to which reference is made in the text, and has decided that they are acceptable for use in conjunction with this standard.

A British Standard does not purport to include all the necessary provisions of a contract. Users of British Standards are responsible for their correct application.

Compliance with a British Standard does not of itself confer immunity from legal obligations.

Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, pages 1 to 10, an inside back cover and a back cover.

This standard has been updated (see copyright date) and may have had amendments incorporated. This will be indicated in the amendment table on the inside front cover.

Industrial screens and screening — Vocabulary

1 Scope

This International Standard gives a vocabulary of selected terms which are frequently encountered in industrial screening.

It refers to screening processes in which screens with screening surfaces in accordance with ISO 4783-1, ISO 4783-2, ISO 4783-3 and ISO 9044 are used.

The terms defined are grouped into the following four sections:

- a) material to be screened;
- b) industrial screens;
- c) the screening process;
- d) products of screening.

2 Normative references

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

ISO 4783-1: 1989, *Industrial wire screens and woven wire cloth — Guide to the choice of aperture size and wire diameter combinations — Part 1: Generalities.*

ISO 4783-2: 1989, *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.*

ISO 4783-3: 1981, *Industrial wire screens and woven wire cloth — Guide to the choice of aperture size and wire diameter combinations — Part 3: Preferred combinations for pre-crimped and pressure-welded wire screens.*

ISO 9044: 1990, *Industrial woven wire cloth — Technical requirements and testing.*

Cribles et criblage industriel — Vocabulaire

1 Domaine d'application

Le présente Norme internationale constitue un vocabulaire de termes sélectionnés que l'on rencontre fréquemment dans le criblage industriel.

Elle se réfère aux procédés de criblage dans lesquels des cribles avec des surfaces criblantes selon ISO 4783-1, ISO 4783-2, ISO 4783-3 et ISO 9044 sont utilisés.

Les termes définis sont groupés en quatre chapitres:

- a) matières à cribler;
- b) cribles industriels;
- c) procédés de criblage;
- d) produits de criblage.

2 Références normatives

Les normes suivantes contiennent des dispositions qui, par suite de la référence qui en est faite, constituent des dispositions valables pour la présente Norme internationale. Au moment de la publication, les éditions indiquées étaient en vigueur. Toute norme est sujette à révision et les parties prenantes des accords fondés sur la présente Norme internationale sont invitées à rechercher la possibilité d'appliquer les éditions les plus récentes de normes indiquées ci-après. Les membres de la CEI et de l'ISO possèdent le registre des Normes internationales en vigueur à un moment donné.

ISO 4783-1: 1989, *Tamis et tissus métalliques industriels — Guide pour le choix des combinaisons d'ouverture de maille et de diamètre du fil — Partie 1: Généralités.*

ISO 4783-2: 1989, *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.*

ISO 4783-3: 1981, *Tamis et tissus métalliques industriels — Guide pour le choix des combinaisons d'ouverture de maille et de diamètre du fil — Partie 3: Combinaisons préférentielles pour tissus préformés ou tissus soudés sous pression.*

ISO 9044: 1990, *Tissus métalliques industriels — Exigences techniques et vérifications.*