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# International Standard



# 7806

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

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## Industrial plate screens — Codification for designating perforations

*Tôles perforées pour tamisage industriel — Codification pour la désignation des perforations*

First edition — 1983-12-01

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UDC 621.928.028.2

Ref. No. ISO 7806-1983 (E)

**Descriptors :** sieves, sieve plates, sizing screens, perforating, designation, codifications.



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## Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (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 authorized 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 7806 was developed by Technical Committee ISO/TC 24, *Sieves, sieving and other sizing methods*, and was circulated to the member bodies in November 1982.

It has been approved by the member bodies of the following countries :

|                     |                        |                       |
|---------------------|------------------------|-----------------------|
| Australia           | India                  | South Africa, Rep. of |
| Belgium             | Italy                  | Spain                 |
| Canada              | Japan                  | Switzerland           |
| Egypt, Arab Rep. of | Korea, Dem. P. Rep. of | United Kingdom        |
| France              | Netherlands            | USSR                  |
| Germany, F. R.      | Romania                |                       |

No member body expressed disapproval of the document.

# Industrial plate screens — Codification for designating perforations

## 0 Introduction

The system laid down in this International Standard codifies the designation of perforated plate in order to facilitate communication between purchaser and supplier. It is based on work carried out in 1968 by the European association of manufacturers of perforated plate (EUOPERF). It is recommended that this system be applied worldwide, in order to discourage the development and use of a diversity of national codes.

## 1 Scope and field of application

This International Standard specifies the code for designating various kinds of perforations and their arrangements in perforated plate. It applies to perforated plate regardless of the plate material.

## 2 Reference

ISO 2395, *Test sieves and test sieving — Vocabulary*.

## 3 Definitions

For the purpose of this International Standard, the definitions given in ISO 2395 apply.

## 4 Designation

The perforation of a plate is designated by

- shape of the holes;
- aperture size  $w$ , or aperture sizes  $w_1$  and  $w_2$  in case of slots;
- mutual arrangements of holes;
- pitch  $p$ , or pitches  $p_1$  and  $p_2$  in cases where the pitches are different in directions parallel to the edges of the plate;
- orientation of the arrangement of the perforations relative to the edges of the plate.

The codification expresses the items of designation by symbols and magnitudes in the sequence used above.

## NOTES

1 Examples are given in figures 1 to 20 of each type of designation. To ensure easy readability of codifications, it is essential

- to separate clearly codifications for hole and codifications for pitch, and
- to state codification magnitudes which are combined with "x" without spacing between.

(See figures 7 to 14 and 17 to 20.)

2 The purchaser should specify the size, thickness and material of the perforated plate for his purpose in addition to the codification.

## 5 Codification

### 5.1 Shape of holes

The shape of holes shall be designated by the following symbols :

R : circular (round)

C : square, with sides parallel to the edges of the plate

CD : square, with diagonals parallel to the edges of the plate

H : hexagonal

LR : slots with round ends

LC : slots with square ends

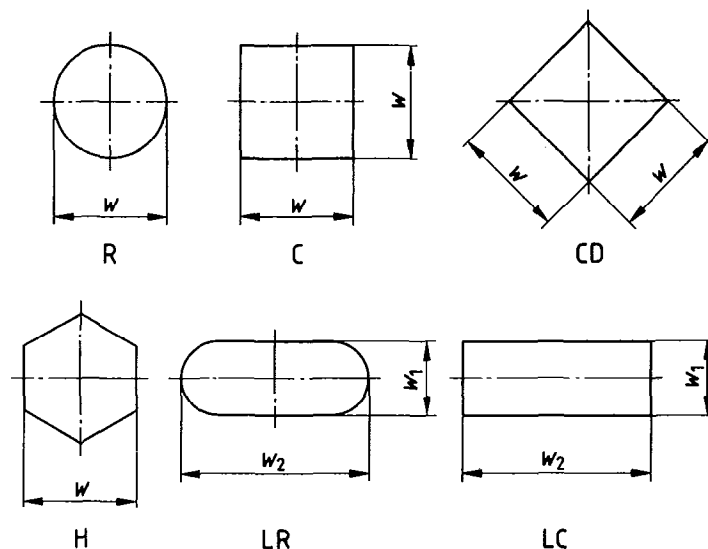


Figure 1 — Code for shape of holes