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# International Standard



# 5679

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

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## Equipment for working the soil — Disks — Classification, main fixing dimensions and specifications

*Matériel de travail du sol — Disques — Classification, principales dimensions de fixation, et spécifications*

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## FOREWORD

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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 5679 was developed by Technical Committee ISO/TC 23, *Tractors and machinery for agriculture and forestry*, and was circulated to the member bodies in March 1977.

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

|                |                        |                       |
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The member bodies of the following countries expressed disapproval of the document on technical grounds :

India  
Mexico  
New Zealand

# Equipment for working the soil — Disks — Classification, main fixing dimensions and specifications

## 0 INTRODUCTION

The main purpose of this International Standard is to ensure interchangeability for a minimum number of types and sizes of disks to meet the requirements of a wide range of conditions of work.

The standard specifies three types of disks. This division into distinct designs of disks was found to be preferable to classification according to use with a particular implement, because of lack of clear demarcation in usage of the various designs.

It will be appreciated that some apparent irregularities in sequence of nominal size or dimensions in the tables arises from different fields of usage of a particular type of disk.

The dimensional tolerances given are not unnecessarily tight and are consistent with the requirements of interchangeability.

## 1 SCOPE

This International Standard specifies interchangeability dimensions for agricultural disks of the same type and nominal size, classified as types A, B and C.

## 2 FIELD OF APPLICATION

This International Standard is applicable to disks as working parts of ploughs, harrows and disk-tillers.

## 3 REFERENCE

ISO/TR 4122, *Equipment for working the soil — Dimensions of flat disks — Type A*.

## 4 CLASSIFICATION

Disks shall be classified as follows :

**Type A** — Flat disks (see ISO/TR 4122)

**Type B** — Concave disks which may have the following variants :

Variant 1 — disks with square centre hole (see figure 1)

Variant 2 — disks with round centre hole (see figure 2)

Variant 3 — disks with several fixing holes (see figure 3) with or without centre hole

**Type C** — Concave disks with a flat area around the centre hole square (see figure 4).

NOTE — All variants of disks may have cutouts.

## 5 SPECIFICATION

### 5.1 Nominal dimensions

The nominal dimensions of the disks shall be as given in table 1 for concave disks with centre hole, and in table 2 for concave disk with several fixing holes.

### 5.2 Cutting edge bevelling

Flat disks shall have the cutting edge bevelled on both sides. The concave disks shall be bevelled on either the concave or the convex side. The thickness of the edge shall not be greater than 0,8 mm.

### 5.3 Eccentricity and wobble

Eccentricity and wobble of flat disks, type A, shall not exceed 0,5 % of the outside diameter of the disk.

Eccentricity and wobble of disks type B and C shall not exceed the tolerances given in table 3.