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Manually operated draughting machines —

Part 1:

Definitions, classification and designation

Appareils à dessiner à commandes manuelles —

Partie 1: Définitions, classification et désignation



Reference number
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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 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 9962-1 was prepared by Technical Committee ISO/TC 10, *Technical drawings, product definition and related documentation*, Sub-Committee SC 9, *Media and equipment for drawing and related documentation*.

ISO 9962 consists of the following parts, under the general title *Manually operated draughting machines*:

- *Part 1: Definitions, classification and designation*
- *Part 2: Characteristics, performance, inspection and marking*
- *Part 3: Dimensions of scale rule chuck plates*

Manually operated draughting machines —

Part 1:

Definitions, classification and designation

1 Scope

This part of ISO 9962 gives the definitions for, and specifies the classification and designation of, manually operated draughting machines.

2 Normative reference

The following standard contains provisions which, through reference in this text, constitute provisions of this part of ISO 9962. At the time of publication, the edition indicated was valid. All standards are subject to revision, and parties to agreements based on this part of ISO 9962 are encouraged to investigate the possibility of applying the most recent edition of the standard indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 5457:1980, *Technical drawings — Sizes and layout of drawing sheets*.

3 Definitions

For the purposes of ISO 9962, the following definitions apply.

NOTE 1 Terms printed in italics in the definitions are defined elsewhere in this clause.

3.1 manually operated draughting machine: Draughting machine with scale rules and indexing devices, operated manually by a parallel motion mechanism.

3.2 Types of manually operated draughting machine:

Two types of *manually operated draughting machine* are defined according to the parallel motion mechanism.

3.2.1 parallelogram-type draughting machine: *Manually operated draughting machine* which has a parallelogram-type parallel motion mechanism.

3.2.1.1 pulley-type draughting machine: *Parallelogram-type draughting machine* which has a pulley-type parallel motion mechanism (see figure 1).

3.2.1.2 link-type draughting machine: *Parallelogram-type draughting machine* which has a link-type parallel motion mechanism (see figure 2).

3.2.2 track-type draughting machine: *Manually operated draughting machine* which has a track-type parallel motion mechanism (see figures 3 and 4).

3.3 Main parts of manually operated draughting machine

3.3.1 head: Operating portion of a *manually operated draughting machine* for indexing, freewheeling, or locking of the *scale rule mounting plate*.

It comprises the parts defined in 3.3.1.1 to 3.3.1.10 (see figure 5).

3.3.1.1 knob: Grip used to move or rotate the *scale rule mounting plate* and the scale rules.

(See figure 5, item 1a.)