

# International Standard 6411

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

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## Technical drawings — Simplified representation of centre holes

*Dessins techniques — Représentation simplifiée des trous de centre*

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**Descriptors :** engineering drawings, centre holes, graphic methods, generalities, designation.

## Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards institutes (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 set up 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 6411 was developed by Technical Committee ISO/TC 10, *Technical drawings*, and was circulated to the member bodies in January 1980.

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

|                |                        |                       |
|----------------|------------------------|-----------------------|
| Australia      | France                 | Poland                |
| Austria        | Germany, F. R.         | Romania               |
| Belgium        | India                  | South Africa, Rep. of |
| Brazil         | Italy                  | Spain                 |
| Canada         | Japan                  | Sweden                |
| China          | Korea, Dem. P. Rep. of | Switzerland           |
| Czechoslovakia | Korea, Rep. of         | United Kingdom        |
| Denmark        | Mexico                 | USA                   |
| Finland        | Norway                 | USSR                  |

The member body of the following country expressed disapproval of the document on technical grounds :

Netherlands

# Technical drawings — Simplified representation of centre holes

## 1 Scope and field of application

This International Standard specifies the simplified representation of centre holes and their designation. Simplified representation of centre holes may be used particularly when it is not necessary to show the exact form and size and where the designation of standardized centre holes is sufficient for information.

## 2 References

ISO 128, *Technical drawings — General principles of presentation*.

ISO 866, *Centre drills for centre holes without protecting chamfers — Type A*.

ISO 2540, *Centre drills for centre holes with protecting chamfers — Type B*.

ISO 2541, *Centre drills for centre holes with radius form — Type R*.

ISO 3098/1, *Technical drawings — Lettering — Part 1: Currently used characters*.

ISO 6428, *Technical drawings — Requirements for micro-copying*.<sup>1)</sup>

## 3 Indication on drawings

### 3.1 Requirements

Generally, three different requirements may be defined on technical drawings for the form and size of centre holes, namely :

- a) centre hole is required on the finished part;
- b) centre hole can be accepted on the finished part, but is not a fundamental requirement;
- c) centre hole shall not exist on the finished part.

<sup>1)</sup> At present at the stage of draft.