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## **Machine tools — Front faces of spindle holders for machining centres — Functional dimensions**

*Machines-outils — Faces avant de porte-broches de centres d'usinage — Dimensions fonctionnelles*



Reference number  
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## **Foreword**

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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 9524 was prepared by Technical Committee ISO/TC 39, *Machine tools*.

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# Machine tools — Front faces of spindle holders for machining centres — Functional dimensions

## 1 Scope

This International Standard specifies the functional connecting dimensions of the front faces of spindle holders for machining centres and of their various machining and measuring accessories to ensure that interchangeability, fixing by means of automatic tool changing devices and correct machine operation of these accessories is possible.

The main accessories are

- a) electrically operated accessories;
- b) coolant feed accessories, and
- c) mechanical indexing accessories, i.e.
  - 1) angle heads,
  - 2) drilling-tapping heads,
  - 3) speed-increasing gears, etc.

## 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 7-1:1982, *Pipe threads where pressure-tight joints are made on the threads — Part 1: Designation, dimensions and tolerances.*

ISO 7388-1:1983, *Tool shanks with 7/24 taper for automatic tool changers — Part 1: Shanks Nos. 40, 45 and 50 — Dimensions.*

ISO 7388-1:1983/Add.1:1984, *Addendum 1: Conicity tolerances.*