
International Standard



6262/2

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

**End mills with indexable inserts —
Part 2 : End mills with Morse taper shank**

Fraises en bout à plaquettes amovibles — Partie 2 : Fraises à queue cône Morse

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Descriptors : tools, milling cutters, end mills, taper shanks, Morse taper shanks, dimensions.

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 6262/2 was developed by Technical Committee ISO/TC 29, *Small tools*, and was circulated to the member bodies in December 1980.

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

Australia	Ireland	Romania
Austria	Israel	South Africa, Rep. of
Belgium	Italy	Spain
China	Japan	Sweden
Czechoslovakia	Korea, Rep. of	Switzerland
France	Mexico	United Kingdom
Hungary	Netherlands	USA
India	Poland	USSR

No member body expressed disapproval of the document.

End mills with indexable inserts — Part 2 : End mills with Morse taper shank

1 Scope and field of application

This part of ISO 6262 lays down the dimensions of end mills with indexable inserts and Morse taper shank according to ISO 296.

The form and dimensions of the inserts are left to the choice of the manufacturer.

The range of outside diameters is taken from ISO 523.

2 References

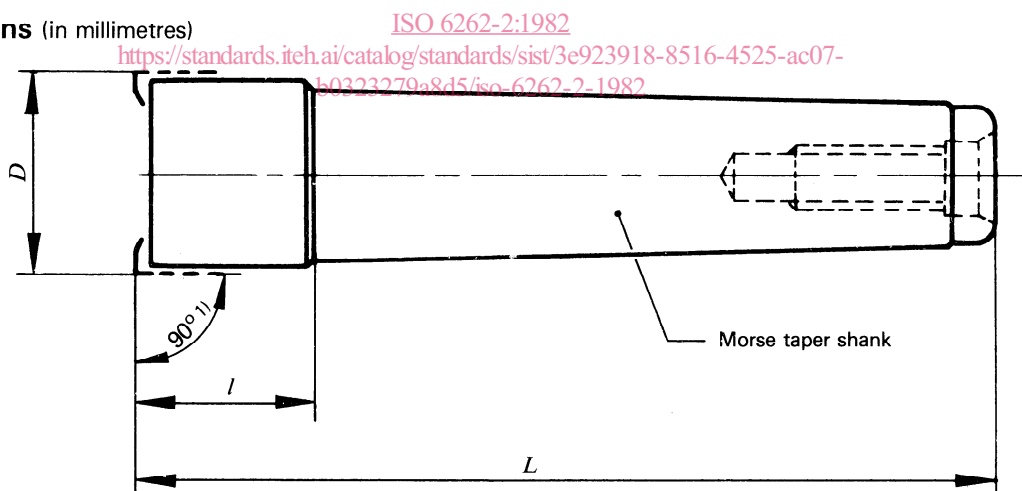
ISO 296, *Machine tools — Self-holding tapers for tool shanks.*

ISO 523, *Milling cutters — Recommended range of outside diameters.*

ISO 3365/2, *Indexable (throwaway) hardmetal inserts for milling cutters — Dimensions — Part 2 : Triangular inserts.*

ISO 6262/1, *End mills with indexable inserts — Part 1 : End mills with flattened parallel shank.*

3 Dimensions (in millimetres)



D $_{js14}$	Morse ²⁾ taper No.	l max.	L
16	2	25	94
20	3	30	116
25	3	38	124
32	3	38	124
40	4	48	157
50	4	48	157

1) The value of 90° is the nominal value of the cutting edge angle of the insert. The effective angle obtained on the workpiece depends on the geometry and the diameter of the milling cutter together with the cutting depth.

2) The shank dimensions shall be in accordance with ISO 296.

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