International Standard 6262/1

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

End mills with indexable inserts — Part 1 : End mills with flatted parallel shank

Fraises en bout à plaquettes amovibles — Partie 1 : Fraises à queue cylindrique à méplat

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Descriptors : tools, milling cutters, end mills, parallel shanks, dimensions.

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 6262/1 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	South Africa, Rep. of
Austria	Israel	Spain
Belgium	Italy	Sweden
China	Japan	Switzerland
Czechoslovakia	Korea, Rep. of	United Kingdom
France	Mexico	USA
Germany, F. R.	Netherlands	USSR
Hungary	Poland	
India	Romania	

No member body expressed disapproval of the document.

Printed in Switzerland

End mills with indexable inserts — Part 1 : End mills with flatted parallel shank

1 Scope and field of application

This International Standard lays down the dimensions of end mills with indexable inserts and flatted parallel shank according to ISO 3338/2.

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

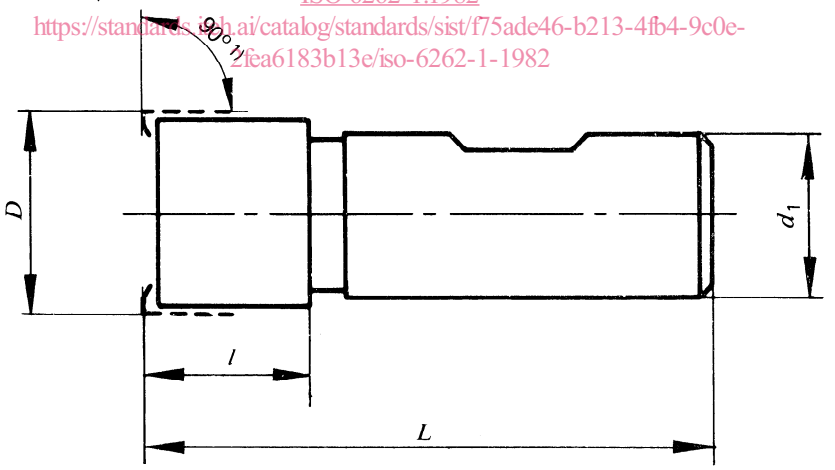
ISO 523, *Milling cutters — Recommended range of outside diameters.*

ISO 3338/2, *Parallel shanks for milling cutters — Part 2 : Dimensional characteristics of flatted parallel shanks.*

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

ISO 6262/2, *End mills with indexable inserts — Part 2 : End mills with Morse taper shank.*

3 Dimensions (in millimetres)



D j_s14	d_1 [2] h6	l max.	L
16	16	25	75
20	20	30	82
25	25	38	96
32	32	38	100
40	32	48	110
50	32	48	110

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 and configuration shall be in accordance with ISO 3338/2.

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