
INTERNATIONAL STANDARD



3286

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

Single point cutting tools — Corner radii

Outils de coupe à partie active unique — Rayons de pointe

First edition — 1976-12-15

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[ISO 3286:1976](https://standards.iteh.ai/catalog/standards/sist/aff38408-cbd1-49d9-9cba-bbb7f1347592/iso-3286-1976)

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Descriptors : tools, cutting tools, corner radius.

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 3286 was drawn up by Technical Committee ISO/TC 29, *Small tools*, and was circulated to the Member Bodies in January 1976.

It has been approved by the Member Bodies of the following countries :

Australia	Israel	Spain
Austria	Italy	Sweden
Belgium	Japan	Switzerland
Chile	Korea, Rep. of	Turkey
France	Mexico	United Kingdom
Germany	Poland	U.S.S.R.
Hungary	Romania	
India	South Africa, Rep. of	

The Member Body of the following country expressed disapproval of the document of technical grounds :

U.S.A.

Single point cutting tools – Corner radii

1 SCOPE AND FIELD OF APPLICATION

This International Standard lays down the values for the corner radius of single point cutting tools.

It applies to all types of single point cutting tools (with or without inserts), the corner of which is rounded.

2 DIMENSIONS

Corner radii shall have the dimensions given in the table.

3 TOLERANCES

Tolerance on the corner radius will be given in particular tool standards, if necessary.

TABLE

Corner radius r_E	
mm	in
0,2	0.008
0,4	1/64
0,8	1/32
1,2	3/64
1,6	1/16
2,0	5/64
2,5*	3/32
3,2	1/8

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* For indexable (throwaway) inserts, corner radius 2,4 mm instead of 2,5 mm is to be used.

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