
INTERNATIONAL STANDARD



2935

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

Circular saw blades for woodworking – Dimensions

Lames de scies circulaires à bois – Dimensions

First edition – 1974-11-01

ITeH STANDARD PREVIEW
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[ISO 2935:1974](https://standards.iteh.ai/catalog/standards/sist/6e7a14cb-875a-417e-a63d-17ab13028b7d/iso-2935-1974)

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UDC 674.05 : 621.934

Ref. No. ISO 2935-1974 (E)

Descriptors : tools, woodworking machinery, saws, circular saws, dimensions, diameters, thicknesses.

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 2935 was drawn up by Technical Committee ISO/TC 29, *Small tools*, and circulated to the Member Bodies in November 1973.

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

| | | |
|---------------------|-----------------------|----------------|
| Belgium | Israel | Thailand |
| Bulgaria | Italy | Turkey |
| Canada | Mexico | United Kingdom |
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| France | Romania | Yugoslavia |
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| Hungary | Sweden | |

The Member Bodies of the following countries expressed disapproval of the document on technical grounds :

Austria
Japan

Circular saw blades for woodworking – Dimensions

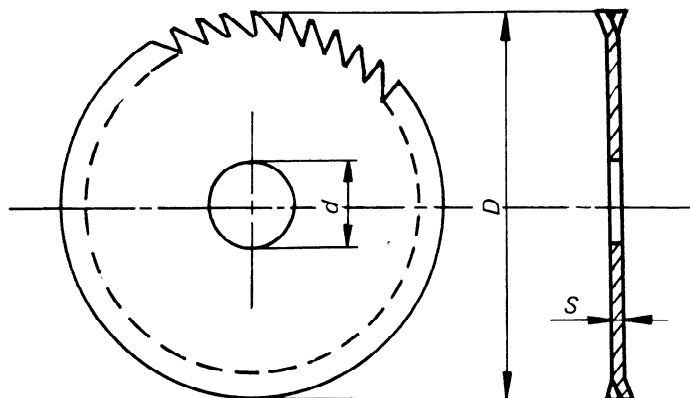
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1 SCOPE AND FIELD OF APPLICATION

This International Standard specifies the thicknesses and the centre hole diameters of circular saw blades for wood, in relation to the outside diameters. <https://standards.iteh.ai/catalog/standards/sist/0c7a14cb-875a-417e-a03d-17ab13028b7d/iso-2935-1974>

The thicknesses are separated into four columns, 1 to 4, in each of which the stiffness of the saw blade is approximately constant.

2 DIMENSIONS



ISO 2935-1974 (E)

2.1 Outside diameters up to 1 000 mm

Outside diameters in parentheses shall be avoided, wherever possible.

Values in millimetres

| Outside diameter <i>D</i> | | Hole diameter <i>d</i> H9* or H11 | Thickness <i>S</i> | | | |
|---------------------------|------------|--------------------------------------|--------------------|----------|----------|----------|
| Dimensions | Tolerances | | Column 1 | Column 2 | Column 3 | Column 4 |
| 40 | ± 1,5 | 12,5 | | | | 0,8 |
| 50 | ± 1,5 | 12,5 | | | | 0,8 |
| 63 | ± 1,5 | 12,5 | | | 0,8 | |
| 80 | ± 1,5 | 12,5 | | 0,8 | 1 | |
| 100 | ± 2 | 20 | | 0,8 | 1 | |
| 125 | ± 2 | 20 | 0,8 | 1 | 1,2 | |
| (140) | ± 2 | 20 | 0,8 | 1 | 1,2 | |
| 160 | ± 2 | 20 | 1 | 1,2 | 1,6 | |
| (180) | ± 2 | 30 or 60 | 1 | 1,2 | 1,6 | |
| 200 | ± 2 | 30 or 60 | 1 | 1,2 | 1,6 | 2 |
| (255) | ± 2 | 30 or 60 | 1,2 | 1,6 | 2 | 2,5 |
| 250 | ± 2 | 30 or 60 | 1,2 | 1,6 | 2 | 2,5 |
| (280) | ± 2 | 30 or 60 | 1,2 | 1,6 | 2 | 2,5 |
| 315 | ± 3 | 30 or 60 | 1,6 | 2 | 2,5 | 3,2 |
| (355) | ± 3 | 30 or 60 | 1,6 | 2 | 2,5 | 3,2 |
| 400 | ± 3 | 30 or 60 | 1,6 | 2 | 2,5 | 3,2 |
| (450) | ± 3 | 30 or 85 | 2 | 2,5 | 3,2 | 4 |
| 500 | ± 4 | 30 or 85 | 2 | 2,5 | 3,2 | 4 |
| (560) | ± 4 | 30 or 85 | 2 | 2,5 | 3,2 | 4 |
| 630 | ± 4 | 40 | 2,5 | 3,2 | 4 | |
| (710) | ± 4 | 40 | 2,5 | 3,2 | 4 | |
| 800 | ± 6 | 40 | 2,5 | 3,2 | 4 | |
| (900) | ± 6 | 40 | 3,2 | 4 | 5 | |
| 1 000 | ± 6 | 40 | 3,2 | 4 | 5 | |

* The tolerance H9 is intended for particular uses, such as : use on machines with several blades, blades turning at high speed.

2.2 Outside diameters greater than 1 000 mm

Values in millimetres

| Outside diameter <i>D</i> | | Hole diameter <i>d</i> H9* or H11 | Thickness <i>S</i> |
|---------------------------|------------|--------------------------------------|--------------------|
| Dimensions | Tolerances | | |
| 1 250 | ± 10 | 60 | 3,6 – 4 – 5 |
| 1 600 | ± 10 | 60 | 4,5 – 5 – 6 |
| 2 000 | ± 10 | 60 | 5 – 7 |

* The tolerance H9 is intended for particular uses, such as : use on machines with several blades, blades turning at high speed.