

Specification for

Woodcutting bandsaw blades

Confirmed
January 2011

Co-operating organizations

The Mechanical Engineering Industry Standards Committee, under whose supervision this British Standard was prepared, consists of representatives from the following Government departments and scientific and industrial organizations:

Associated Offices' Technical Committee	Institution of Gas Engineers
Association of Consulting Engineers	Institution of Heating and Ventilating Engineers
Association of Mining Electrical and Mechanical Engineers	Institution of Mechanical Engineers
Board of Trade	Institution of Mechanical Engineers (Automobile Division)
British Chemical Plant Manufacturers' Association	Institution of Production Engineers
British Compressed Air Society	Locomotive and Allied Manufacturers' Association of Great Britain
British Electrical and Allied Manufacturers' Association	London Transport Board
British Gear Manufacturers' Association	Machine Tool Trades Association*
British Internal Combustion Engine Manufacturers' Association	Ministry of Defence
British Mechanical Engineering Confederation	Ministry of Defence, Army Department
British Pump Manufacturers' Association	Ministry of Labour (H.M. Factory Inspectorate)
British Steel Industry*	Ministry of Power
Crown Agents for Oversea Governments and Administrations	Ministry of Public Building and Works
Electricity Council, the Central Electricity Generating Board and the Area Boards in England and Wales	Ministry of Technology
Engineering Equipment Users' Association	Ministry of Technology, National Engineering Laboratory
Gas Council	Ministry of Transport
Institute of Marine Engineers	National Coal Board
Institution of Civil Engineers	National Physical Laboratory (Ministry of Technology)
	Royal Institute of British Architects

The Government departments and scientific and industrial organizations marked with an asterisk in the above list, together with the following, were directly represented on the committee entrusted with the preparation of this British Standard:

Agricultural Engineers' Association	Home Timber Merchants' Association of England and Wales
British Furniture Manufacturers Federated Associations	Ministry of Technology (F.P.R.L.)
British Woodwork Manufacturers' Association	National Sawmilling Association
	Saw Manufacturers' Association

This British Standard, having been approved by the Mechanical Engineering Industry Standards Committee, was published under the authority of the Executive Board on 28 February 1969

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Foreword

This standard makes reference to the following British Standards:

BS 427, *Method for Vickers hardness test — Part 1: Testing of metals*.

BS 1449, *Steel plate, sheet and strip*.

This British Standard has been prepared under the authority of the Mechanical Engineering Industry Standards Committee, in an attempt to provide detailed information for both the users and the manufacturers of bandsaw blades.

The standard relates to both narrow and wide bandsaw blades, and includes details of set, tooth shape, blade dimensions, blade material and running speeds; a fairly comprehensive list of terms have been defined, in order to provide a vocabulary common to the users and the manufacturers.

In the case of wide bandsaws, tooth shape has been related to the density of timber being cut (see Table 6), as this was felt to be the most general classification method available. In this connection it should be noted that this standard specifically excludes bandsaws suitable for cutting synthetic material. Teeth tipped with hard metals and double cutting bandsaw blades have also been excluded, as it was felt that they should not be considered as a standard item.

Attention is drawn to the fact that the cutting efficiency of bandsaw blades must depend to a large extent on the skill of the user in choosing the correct combination of tooth shape, blade width, thickness, pitch, machine wheel diameter, and speed, from those values shown in this standard. In case of doubt, the Forest Products Research Laboratory and/or manufacturers should be consulted.

It should be noted that only blades made to inch dimensions are available at present, but it is expected that their metric equivalents will gradually be phased-in. It is for this reason that inch units have been included in this standard, but only in an appendix in order that their use is not encouraged. The values quoted are compatible to achieve the same degree of accuracy, but are not exact mathematical equivalents.

A British Standard does not purport to include all the necessary provisions of a contract. Users of British Standards are responsible for their correct application.

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Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, pages 1 to 9 and a back cover.

This standard has been updated (see copyright date) and may have had amendments incorporated. This will be indicated in the amendment table on the inside front cover.