

Specification for

Dimensions of chain wheel tooth forming tools

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Committees responsible for this British Standard

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- British Gear Manufacturers' Association
- Gauge and Tool Makers' Association
- Institution of Production Engineers
- Machine Tool Industry Research Association
- Milling Cutter Association

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Foreword

This British Standard has been prepared under the direction of the Machine, Engineers and Hand Tools Standards Committee.

The dimensions for chain wheel tooth forming tools were originally included in the 1962 edition of BS 228 but omitted from the 1970 and 1984 editions, the latter being identical with ISO 606:1982. In response to frequent requests this standard rectifies the omission.

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Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, pages 1 to 8, an inside back cover 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.

1 Scope

This British Standard specifies dimensions for rotary tooth form cutters and chainwheel generating tools (hobs, rack cutters and pinion type cutters) used for the manufacture of transmission roller chainwheels complying with BS 228. The profiles are given for the rotary tooth form cutter in the roller diameter range 5 mm to 95.25 mm, and for other chainwheel generating tools the rack form is given in the pitch range 8 mm to 152.4 mm.

NOTE 1 The title of the publication referred to in this standard is listed on the inside back cover.

NOTE 2 For the purpose of this standard the details of the chainwheels are as given in BS 228.

NOTE 3 Table 3 and Table 4, given in Appendix A, are the inch equivalents of Table 1 and Table 2 respectively. Both the inch equivalents and the metric dimensions will provide tooth gap forms within the limits specified in BS 228.

2 Dimensions

2.1 Rotary tooth form cutters

The dimensions of rotary tooth form cutters shall comply with Table 1.

2.2 Generating tools

The dimensions of the basic rack for generating tools (hobs, rack cutters and pinion type cutters) shall comply with Table 2.