

Gears for instruments and clockwork mechanisms —

Part 3: Bevel gears

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The Government departments and the 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 standard:—

Association of Mining Electrical and Mechanical Engineers	National Association of Drop Forgers and Stampers
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British Gear Manufacturers’ Association	National Federation of Engineers Tool Manufacturers
British Horological Institute	National Physical Laboratory
Institution of Engineering Inspection	North East Coast Institution of Engineers and Shipbuilders
Manufacturers of Instrument Gears	Society of Motor Manufacturers and Traders
Milling Cutter and Reamer Trade Association	

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Foreword

This standard makes reference to the following British Standards:—

BS 545, *Bevel gears (machine cut)*.

BS 721, *Machine cut gears. C. Worm gearing*.

BS 2519, *Glossary of terms and notation used with gearing*.

This British Standard supersedes BS 978, “*Gears for clockwork mechanisms*,” which was published in 1941 as a war emergency measure to assist in the reduction of types and sizes of both gears and cutters.

As a result of experience gained in its use it became evident that a revision was necessary. It has been considered desirable to divide the standard into four separate parts. These are:

- *Part 1: Involute spur, helical and crossed helical gears;*
- *Part 2: Cycloidal type spur gears;*
- *Part 3: Bevel gears;*
- *Part 4 Worm gears.*

The preparation of Part 4 will be undertaken when the revision of BS 721, “*Machine cut gears. C. Worm gearing*” has been completed.

Suitable hobs and cutters will be dealt with in a later British Standard.

It should be noted that this standard is similar to BS 545, “*Bevel gears (machine cut)*”, that standard having been used as the basis for the preparation of this one.

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Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, pages 1 to 6 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.