

Specification for

A.C. and D.C. rotary and linear actuators for aircraft

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The following BSI references relate to the work on this standard:
Committee reference ACE/42
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Amendments issued since publication

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Foreword

The major change in this revision of BS G 143:1953, is the introduction of requirements for actuators operating on an a.c. supply. The other changes occur principally in the details of the test procedure. These result from the removal of arbitrary differences between the requirements of the British Standard and those of the Ministry of Aviation Specification EL. 1618 to achieve, as far as practicable having regard to their different applications, common requirements between the two specifications.

Reference is made in the standard to the following British Standards:

BS 2G 100, *General requirements for electrical equipment and indicating instruments for aircraft*.

BS G..., *General requirements for rotating electrical machines for aircraft*¹⁾.

BS G 146, *D.C. motors for aircraft*.

BS G 147, *A.C. motors for aircraft*.

BS 436, *Machine cut gears. A. Helical and straight spur*.

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

BS 721, *Worm gearing*.

BS 2059, *Straight-sided splines and serrations*.

NOTE Where metric equivalents are stated, the figures in British units are to be regarded as the standard. The metric conversions are approximate. More accurate conversions should be based on the tables in BS 350, "*Conversion factors and tables*".

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 to iv, pages 1 to 11 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⁾ In course of preparation.

