BRITISH STANDARD AEROSPACE SERIES

BS SP 139 and SP 140:1969 +A2:2012

Specification for

Corrosion-resisting steel crinkle washers

ICS 49.030.50

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Foreword

This British Standard is published by BSI Standards Limited, under licence from The British Standards Institution.

BS SP 139 and SP 140:1969+A2:2012 supersedes BS SP 139 and SP 140:1969 (incorporating Amendment No 1:1988), which is withdrawn.

Text introduced or altered by Amendment No. 2 is indicated in the text by tags 〈A2〉 〈A2〉. Minor editorial changes are not tagged. Previous amendments are not indicated.

This British Standard has been prepared at the request of the Aerospace Industry to provide a series of corrosion-resisting steel crinkle washers, suitable for aerospace applications. It lists a range in current use together with part or code numbers which is complementary to the range given in BS SP 134 to BS SP 138 — "*Copper-beryllium crinkle washers*".

This Standard makes reference to the following publications:

British Standards

BS EN 2133, *Cadmium plating of steels with specified tensile strength ≤ 1450 MPa, copper, copper alloys and nickel alloys*

BS EN 10088-2:2005, *Stainless steels – Part 2: Technical delivery conditions for sheet/plate and strip of corrosion resisting steels for general purposes*

BS EN ISO 6507-1, *Metallic materials – Vickers hardness test – Part 1: Test method*

BS EN ISO 9445-1, *Continuously cold-rolled stainless steel – Tolerances on dimensions and form – Part 1: Narrow strip and cut lengths*

BS EN ISO 9445-2, *Continuously cold-rolled stainless steel – Tolerances on dimensions and form – Part 2: Wide strip and plate/sheet*

Ministry of Defence Standard

Def Stan 03-19, *Electro-disposition of cadmium*.

CAUTION. BS SP 140 crinkle washers have cadmium as a plating material, which has been restricted and/or banned for use in many countries owing to environmental and health concerns; they should not be used in new product designs. Local officials should be consulted about any concerns on using cadmium plated parts.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

Compliance with a British Standard cannot confer immunity from legal ogligations.

This British Standard, having been approved by the Aerospace Industry Standards Committee was published under the authority of the Executive Board of the Institution on 31 December 1969

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The following BSI reference relates to the work on this standard:

Committee reference ACE/14

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Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, pages 1 and 2 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.

Amendments issued since publication

Amd. No.	Date	Comments
5766	October 1988	
A2	December 2012	See Foreword.

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