

BS 2SP 90:2008+A1:2016



BSI Standards Publication

Specification for corrosion-resisting steel split cotter pins for aircraft – Inch series

Publishing and copyright information

The BSI copyright notice displayed in this document indicates when the document was last issued.

© The British Standards Institution 2016
Published by BSI Standards Limited 2016

ISBN 978 0 580 91189 7

ICS 49.030.40

The following BSI references relate to the work on this standard:
Committee reference ACE/12
Drafts for comment 08/30178678 DC, 16/30328092 DC

Publication history

First published July 1961
Second (present) edition, November 2008

Amendments issued since publication

Amd. No.	Date	Text affected
A1	June 2016	See Foreword

Contents

Foreword *ii*

1	Scope	1
2	Normative references	1
3	Material	1
4	Dimensions	1
5	Tolerance on nominal length	2
6	Eye	2
7	Shank	3
8	Ends of legs	3
9	Protective finish	3
10	Freedom from defects	3
11	Standard sizes	3
12	Identification	3

List of figures

Figure 1 – Split cotter pins **1**

List of tables

Table 1 – Dimensions **2**

Table 2 – Tolerance on nominal length **2**

Table 3 – Standard lengths and size codes **4**

Summary of pages

This document comprises a front cover, an inside front cover, pages i to ii, pages 1 to 4, an inside back cover and a back cover.



Foreword

Publishing information

This British Standard is published by BSI Standards Limited, under licence from The British Standards Institution, and came into effect on 30 November 2008. It was prepared by Technical Committee ACE/12, *Aerospace fasteners and fastening systems*. A list of organizations represented on this committee can be obtained on request to its secretary.

Supersession

BS 2SP 90:2008+A1:2016 supersedes BS 2SP 90:2008, which is withdrawn.

Text introduced or altered by Amendment No. 1 is indicated in the text by tags  . Minor editorial changes are not tagged.

Presentational conventions

The provisions of this standard are presented in roman (i.e. upright) type. Its requirements are expressed in sentences in which the principal auxiliary verb is "shall".

Commentary, explanation and general informative material is presented in smaller italic type, and does not constitute a normative element.

Contractual and legal considerations

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 obligations.

1 Scope

This British Standard specifies the material, dimensions, finish and identification of corrosion-resisting split cotter pins for aircraft.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

BS 2S 130, *Specification for 18/9 chromium-nickel corrosion-resisting steel (niobium stabilized) billets, bars, forgings and parts – (540 MPa: limiting ruling section 150 mm)*

BS 2S 205, *Austenitic chromium-nickel steel wire rod, wire and springs – Specification*

BS EN 2573, *Aerospace series – Steel FE-PA3601 (X6CrNiTi18-10) – Softened – $R_m \leq 780$ MPa – Wire – $0,25 \text{ mm} \leq De \leq 3 \text{ mm}$*

MoD DStan DTD 189, *Chromium-nickel Corrosion-resisting steel Wire, Rivets and Split Pins*

3 Material

The pins shall be manufactured from wire of half-round section with radiused edges, as shown in Figure 1, complying with the requirements of BS 2S 130, BS 2S 205, BS EN 2573 or the latest issue of MoD DStan DTD 189.

4 Dimensions

The pins shall conform to the dimensions and tolerances given in Figure 1, Table 1 and Clause 5.

Figure 1 Split cotter pins

