

Specification for cadmium-plated, mushroom-headed, unified-thread, slotted drive bolts

ICS 49.030.20

NO COPYING WITHOUT BSI PERMISSION EXCEPT AS PERMITTED BY COPYRIGHT LAW



Document Sharing Hub

Committees responsible for this British Standard

The preparation of this British Standard was entrusted to Technical Committee ACE/12, *Aerospace fasteners and fastening systems*, upon which the following bodies were represented:

Civil Aviation Authority (Airworthiness Division)
Confederation of British Forgers
Ministry of Defence
Society of British Aerospace Companies Limited
Co-opted member

This British Standard, having been prepared under the direction of the Engineering Sector Committee, was published under the authority of the Standards Committee and comes into effect on 15 May 1999

© The British Standards Institution 2013
Published by BSI Standards Limited 2013

The following BSI references relate to the work on this standard:

Committee reference ACE/12
Drafts for comment
97/717136 DC,
12/30264058 DC

ISBN 978 0 580 82660 3

Amendments/corrigenda issued since publication

Amd. No.	Date	Comments
10624	November 1999	
C2	March 2010	
A1	November 2012	See Foreword.
C3	February 2013	See Foreword.
C4	April 2013	See Foreword.

Contents

	Page
Committees responsible	Inside front cover
Foreword	ii
1 Scope	1
2 Normative references	1
3 General requirements	1
4 Materials and manufacture	1
5 Dimensions and tolerances	1
6 Screw threads	1
7 Protective finish	1
8 Hardness values	1
9 Identification and marking	1
10 Quality assurance procedure	1
Figure 1 — Dimensions of bolts	2
Figure 2 — Bearing length, clamping length and overall length of bolts	2
Table 1 — Materials for manufacture of bolts	2
Table 2 — Dimensions of bolts	3
Table 3 — Bearing length, L , clamping length M and overall length of E bolts	4

Foreword

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

This British Standard has been prepared by Technical Committee ACE/12.

BS 4A 113:1999+A1:2012 supersedes BS 4A 113:1999, which is withdrawn.

Text introduced or altered by Amendment No. 1 is indicated in the text by tags **[A1]** **<A1]**. Minor editorial changes are not tagged.

This revision of BS A 113 refers to the relevant requirements in BS A 100. It incorporates amendments 1, 2 and 3. However, it reverses amendment 4 because the slot depths specified in amendment 4 may not provide adequate driving force in certain circumstances.

The start and finish of text introduced or altered by Corrigendum No. 4 is indicated in the text by tags **[C4]** **<C4]**.

Corrigenda Nos. 1, 2 and 3 are not tagged.

CAUTION. BS A 113 bolts have cadmium as 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 the use of 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 obligations.

Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, pages 1 to 7 and a back cover.