

BRITISH STANDARD

Coatings on metal fasteners –

Part 12: Requirements for imperial fasteners

ICS 25.220.40; 21.060.10



NO COPYING WITHOUT BSI PERMISSION EXCEPT AS PERMITTED BY COPYRIGHT LAW

Publishing and copyright information

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

© BSI 2008

ISBN 978 0 580 60930 5

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

Committee reference FME/9/1

Draft for comment 08/30173610 DC

Publication history

First published July 2008

Amendments issued since publication

Amd. no.	Date	Text affected
-----------------	-------------	----------------------

Contents

Foreword *ii*

1	Scope	<i>1</i>
2	Normative references	<i>1</i>
3	Terms and definitions	<i>1</i>
4	Screw thread dimensions	<i>1</i>
5	Coating thickness	<i>2</i>
6	Application and type of coating	<i>2</i>
7	Measurement of coating thickness	<i>2</i>

Annexes

Annex A (informative) Strip and weigh method for the determination of group and sample average plating thickness of silver *8*

Bibliography *9*

List of tables

Table 1	– Plating thickness	<i>2</i>
Table 2	– Screws and bolts: B.S.W. and B.S.F. threads	<i>3</i>
Table 3	– Screws and bolts: UNC and UNF threads	<i>4</i>
Table 4	– Screws and bolts: B.A. threads	<i>5</i>
Table 5	– Screws and bolts: B.S.C. and B.S.P. threads	<i>5</i>
Table 6	– Nuts: B.S.W. and B.S.F. threads	<i>6</i>
Table 7	– Nuts: B.A. threads	<i>6</i>
Table 8	– Nuts: UNC and UNF threads	<i>7</i>

Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, pages 1 to 9 and a back cover.

Foreword

Publishing information

This British Standard is published by BSI and came into effect on 31 July 2008. It was prepared by Technical Committee FME/9/1, *Coatings on threaded components and accessories*. A list of organizations represented on this committee can be obtained on request to its secretary.

Information about this document

This standard supersedes all parts of BS 3382, which are withdrawn.

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 standard gives thickness requirements for coatings on imperial metal fasteners and can be used in conjunction with all parts of BS 7371.

NOTE 1 For information on coating materials, see the relevant part of BS 7371.

This standard does not cover components such as self-tapping screws and wood screws.

This standard includes area tables (in square inch units) for imperial fasteners, and factors for thickness determination (see Table 2 to Table 8).

NOTE 2 Details concerning cadmium have not been included in this standard due to the restrictions placed on the marketing and use of cadmium and its compounds contained in national and international regulations.

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 919-1:2007, *Screw gauge limits and tolerances – Part 1: Specification for gauges for screw threads of unified form*

BS 7371-1, *Coatings on metal fasteners – Specification for general requirements and selection guidelines*

BS 7371-3, *Coatings on metal fasteners – Part 3: Specification for electroplated zinc coatings*

BS 7371-4, *Coatings on metal fasteners – Part 4: Specification for electroplated nickel, nickel/chromium and copper/nickel/chromium coatings*

3 Terms and definitions

For the purposes of this British Standard, the terms and definitions given in BS 7371-1 apply.

4 Screw thread dimensions

Thread dimensions of components supplied for plating and after plating shall conform to the relevant screw thread standards.

NOTE See BS 919-1:2007, Annex D for the gauging procedure to be used.

After plating, thread dimensions of components shall be in accordance with the appropriate clauses of BS 919-1:2007, Annex D.