

BS EN 15048-2:2016



BSI Standards Publication

Non-preloaded structural bolting assemblies

Part 2: Fitness for purpose



National foreword

This British Standard is the UK implementation of EN 15048-2:2016. It supersedes BS EN 15048-2:2007 which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee FME/9, Fasteners.

A list of organizations represented on this committee can be obtained on request to its secretary.

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Published by BSI Standards Limited 2016

ISBN 978 0 580 87332 4

ICS 21.060.01

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This British Standard was published under the authority of the Standards Policy and Strategy Committee on 31 July 2016.

Amendments/corrigenda issued since publication

Date	Text affected
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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 15048-2

July 2016

ICS 21.060.01

Supersedes EN 15048-2:2007

English Version

Non-preloaded structural bolting assemblies - Part 2: Fitness for purpose

Boulonnerie de construction métallique non
précontrainte - Partie 2: Aptitude à l'emploi

Garnituren für nicht vorgespannte
Schraubverbindungen im Metallbau - Teil 2:
Gebrauchstauglichkeit

This European Standard was approved by CEN on 25 March 2016.

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Ref. No. EN 15048-2:2016 E

Contents

Page

European foreword.....	3
Introduction	4
1 Scope.....	5
2 Normative references.....	5
3 Terms and definitions	6
4 Symbols.....	6
5 Technical requirements for bolting assemblies	6
5.1 Composition of structural bolting assemblies.....	6
5.2 Product requirements.....	6
5.3 Manufacturing process.....	7
5.3.1 Material.....	7
5.3.2 Nuts	7
5.3.3 Bolts	7
5.3.4 Finish and coating.....	7
5.4 Marking.....	7
5.4.1 Bolts	7
5.4.2 Nuts	8
5.4.3 Washers	9
5.5 Delivery conditions	9
6 Tensile test of bolting assemblies for determination of tensile resistance	9
6.1 Principle	9
6.2 Test conditions.....	9
6.2.1 General.....	9
6.2.2 Test apparatus.....	9
6.2.3 Test assemblies.....	10
6.2.4 Test set-up	10
6.2.5 Test procedure	10
6.3 Required failure mode	10
6.4 Required tensile resistance.....	11
7 Test report.....	11
Annex A (informative) Special testing conditions and procedures	12
Bibliography.....	13

European foreword

This document (EN 15048-2:2016) has been prepared by Technical Committee CEN/TC 185 “Fasteners”, the secretariat of which is held by BSI.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by January 2017, and conflicting national standards shall be withdrawn at the latest by January 2017.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN 15048-2:2007.

Compared to the previous version, the modifications are the following:

- technical requirements and delivery conditions for bolting assemblies have been transferred from EN 15048-1;
- relevant product standards are specified by reference to a priority list, see 5.2;
- the use of complementary washers has been added;
- requirements for the test report have been revised.

EN 15048 consists of the following parts, under the general title *Non-preloaded structural bolting assemblies*:

- *Part 1: General requirements*;
- *Part 2: Fitness for purpose*.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

Introduction

This European Standard specifies the requirements to ensure that non preloaded structural bolting assemblies (bolts + nuts) are fit for purpose in structural metallic works. Structural bolting assemblies which meet the requirements of this European Standard have been designed to allow tensile loading of at least $f_{ub} \times A_s$.

Since the tensile resistance of bolting assemblies is very sensitive to differences in manufacture, it is important that the bolting assemblies are supplied by one manufacturer who is always responsible for the function of the bolting assembly. For the same reason it is important that the coating of the bolting assemblies is under the control of the manufacturer.