



BSI Standards Publication

## Steel rod, bars and wire for cold heading and cold extrusion

---

Part 2: Technical delivery conditions for steels not intended for heat treatment after cold working

## National foreword

This British Standard is the UK implementation of EN 10263-2:2017. It supersedes BS EN 10263-2:2001, which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee ISE/106, Wire Rod and Wire.

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

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

© The British Standards Institution 2017  
Published by BSI Standards Limited 2017

ISBN 978 0 580 85295 4

ICS 77.140.60; 77.140.65

**Compliance with a British Standard cannot confer immunity from legal obligations.**

This British Standard was published under the authority of the Standards Policy and Strategy Committee on 30 November 2017.

### Amendments/corrigenda issued since publication

| Date | Text affected |
|------|---------------|
|------|---------------|

EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**EN 10263-2**

November 2017

ICS 77.140.60; 77.140.65

Supersedes EN 10263-2:2001

English Version

**Steel rod, bars and wire for cold heading and cold  
extrusion - Part 2: Technical delivery conditions for steels  
not intended for heat treatment after cold working**

Barres, fil machine et fils en acier pour transformation  
à froid et extrusion à froid - Partie 2: Conditions  
techniques de livraison des aciers n'étant pas destinés  
à un traitement thermique après travail à froid

Walzdraht, Stäbe und Draht aus Kaltstauch- und  
Kaltfließpreßstählen - Teil 2: Technische  
Lieferbedingungen für nicht für eine  
Wärmebehandlung nach der Kaltverarbeitung  
vorgesehene Stähle

This European Standard was approved by CEN on 16 July 2017.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

CEN members are the national standards bodies of 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, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and United Kingdom.



EUROPEAN COMMITTEE FOR STANDARDIZATION  
COMITÉ EUROPÉEN DE NORMALISATION  
EUROPÄISCHES KOMITEE FÜR NORMUNG

**CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels**

## Contents

Page

|   |          |
|---|----------|
| European foreword.....  | 3        |
| <b>1 Scope .....</b>  | <b>4</b> |
| <b>2 Normative references .....</b>   | <b>4</b> |
| <b>3 Terms and definitions .....</b>  | <b>4</b> |
| <b>4 Classification and designation.....</b>  | <b>4</b> |
| 4.1 Classification.....   | 4        |
| 4.2 Designation.....  | 4        |
| 4.2.1 Steel names.....  | 4        |
| 4.2.2 Steel numbers.....  | 4        |
| <b>5 Production process.....</b>  | <b>4</b> |
| 5.1 General.....  | 4        |
| 5.2 Deoxidation .....   | 4        |
| <b>6 Requirements .....</b>   | <b>5</b> |
| 6.1 Delivery condition .....  | 5        |
| 6.2 Chemical composition .....  | 5        |
| 6.2.1 Cast analysis.....  | 5        |
| 6.2.2 Product analysis .....  | 5        |
| 6.3 Mechanical properties.....  | 5        |
| 6.4 Surface quality.....  | 5        |
| 6.5 Supplementary or special requirements.....  | 5        |
| <b>Table 1 — Summary of delivery conditions, product forms and applicable requirements .....</b>  | <b>6</b> |
| <b>Table 2 — Chemical composition, cast analysis % by mass <sup>a</sup>.....</b>  | <b>7</b> |
| <b>Table 3 — Permissible deviations between product analysis and the limiting values<br/>specified in Table 2 for the heat analysis .....</b> | <b>8</b> |
| <b>Table 4 — Rod, bars and wire not intended for heat treatment after cold working -<br/>Mechanical properties.....</b>                       | <b>9</b> |

## European foreword

This document (EN 10263-2:2017) has been prepared by Technical Committee ECISS/TC 106 “Wire rod and wires”, the secretariat of which is held by AFNOR.

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 May 2018, and conflicting national standards shall be withdrawn at the latest by May 2018.

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

This document supersedes EN 10263-2:2001.

This European Standard EN 10263 is subdivided as follows:

- *Part 1: General technical delivery conditions*
- *Part 2: Technical delivery conditions for steels not intended for heat treatment after cold working*
- *Part 3: Technical delivery conditions for case hardening steels*
- *Part 4: Technical delivery conditions for steels for quenching and tempering*
- *Part 5: Technical delivery conditions for stainless steel.*

According to the CEN-CENELEC Internal Regulations, the national standards organisations 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, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

## 1 Scope

**1.1** This part of EN 10263 is applicable to round rod and bars and wire with a diameter up to and including 100 mm, of non-alloy and alloy steel, intended for cold heading and cold extrusion without subsequent heat treatment on the final components.

**1.2** EN 10263-1 is indispensable for this part of EN 10263.

## 2 Normative references

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

EN 10020, *Definition and classification of grades of steel*

EN 10263-1:2017, *Steel rod, bars and wire for cold heading and cold extrusion — Part 1: General technical delivery conditions*

## 3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 10263-1:2017 apply.

## 4 Classification and designation

### 4.1 Classification

All steel grades covered by this part of EN 10263 are non-alloy or alloy special steels (8MnSi7 and 7MnB8) according to EN 10020.

### 4.2 Designation

#### 4.2.1 Steel names

See EN 10263-1:2017.

#### 4.2.2 Steel numbers

See EN 10263-1:2017.

## 5 Production process

### 5.1 General

See EN 10263-1:2017.

### 5.2 Deoxidation

All steel grades quoted in Table 2, except 8MnSi7, are aluminium-killed steels. By agreement aluminium may be replaced by another suitable element having a similar effect.

## **6 Requirements**

### **6.1 Delivery condition**

The delivery conditions in which the products covered by this Part of this European Standard are normally supplied, the product forms and the applicable requirements are given in Table 1.

### **6.2 Chemical composition**

#### **6.2.1 Cast analysis**

The chemical composition shall be in accordance with the values specified in Table 2 for the cast analysis.

#### **6.2.2 Product analysis**

In cases where a product analysis is requested, the admissible deviations from the values specified for the cast analysis are indicated in Table 3.

### **6.3 Mechanical properties**

The mechanical properties of the products, to be determined by the tensile test, shall be in accordance with the prescriptions given in Table 4.

### **6.4 Surface quality**

See EN 10263-1:2017.

### **6.5 Supplementary or special requirements**

Other requirements that can be agreed at the time of enquiry and order are described in Annex A of EN 10263-1:2017.

Table 1 — Summary of delivery conditions, product forms and applicable requirements

| Delivery condition   | Symbols   | Product form <sup>a</sup> |     |      | Applicable requirements                             |   |  |
|--|---|---------------------------|-----|------|---|---|--|
|  |   | rod                       | bar | wire | Chemical composition as specified in Tables 2 and 3 | Mechanical properties as specified in Table 4 | Supplementary or special requirements as specified in Annex A of EN 10263-1 <sup>b</sup> |
| as hot rolled  | +U  | X                         | X   | —    |   |   |  |
| peeled   | +U+PE   | X                         | X   | —    |   |   |  |
| cold drawn   | +U+C  | —                         | X   | X    |   |   |  |
| cold drawn and spheroidized  | +U+C+AC   | —                         | X   | X    |   |   |  |
| cold drawn and spheroidized and skin passed  | +U+C+AC+LC  | —                         | X   | X    |   |   |  |
| Annealed to achieve spheroidized carbides or<br>Annealed to achieve spheroidized carbides and peeled | +AC<br>or<br>+AC+PE   | X                         | X   | —    |   |   |  |
| Annealed to achieve spheroidized carbides and cold drawn   | +AC+C   | —                         | X   | X    |   |   |  |
| other  | Other delivery conditions may be agreed at the time of ordering |                           |     |      |   |   |  |
| <sup>a</sup> X = applicable<br>— = not applicable  |   |                           |     |      |   |   |  |
| <sup>b</sup> If agreed at the time of enquiry and order.   |   |                           |     |      |   |   |  |



Table 2 — Chemical composition, cast analysis % by mass <sup>a</sup>

| Steel grades          |        | C            | Si                     | Mn                        | P<br>max. | S<br>max. | Al <sup>b</sup> |
|-----------------------|--------|--------------|------------------------|---------------------------|-----------|-----------|-----------------|
| Name                  | Number |              |                        |                           |           |           |                 |
| C2C                   | 1.0314 | 0,03 max.    | 0,10 max.              | 0,20 to 0,40 <sup>d</sup> | 0,020     | 0,025     | 0,020 to 0,060  |
| C4C                   | 1.0303 | 0,02 to 0,06 | 0,10 max.              | 0,25 to 0,40              | 0,020     | 0,025     | 0,020 to 0,060  |
| C8C                   | 1.0213 | 0,06 to 0,10 | 0,10 max.              | 0,25 to 0,45              | 0,020     | 0,025     | 0,020 to 0,060  |
| C10C                  | 1.0214 | 0,08 to 0,12 | 0,10 max. <sup>c</sup> | 0,30 to 0,50              | 0,025     | 0,025     | 0,020 to 0,060  |
| C15C                  | 1.0234 | 0,13 to 0,17 | 0,10 max. <sup>c</sup> | 0,35 to 0,60              | 0,025     | 0,025     | 0,020 to 0,060  |
| C17C                  | 1.0434 | 0,15 to 0,19 | 0,10 max. <sup>c</sup> | 0,65 to 0,85              | 0,025     | 0,025     | 0,020 to 0,060  |
| C20C                  | 1.0411 | 0,18 to 0,22 | 0,10 max. <sup>c</sup> | 0,70 to 0,90 <sup>d</sup> | 0,025     | 0,025     | 0,020 to 0,060  |
| 8MnSi7                | 1.5113 | 0,10max.     | 0,90 to 1,10           | 1,60 to 1,80              | 0,025     | 0,025     | 0,020 max.      |
| 7MnB8 <sup>e, f</sup> | 1.5519 | 0,06 to 0,09 | 0,15 to 0,25           | 1,85 to 1,95              | 0,015     | 0,025     | 0,02 to 0,04    |

<sup>a</sup> Elements not quoted in this table should not be intentionally added to the steel without the agreement of the purchaser, except those intended for finishing the heat. All reasonable precautions shall be taken in order to prevent the addition of elements from scrap or other material used in the production process. However, residual elements may be present provided that they do not affect the mechanical properties and applicability.

<sup>b</sup> Aluminium may be replaced by another element or elements having a similar effect.

<sup>c</sup> For grades C10C, C15C, C17C, C20C, a silicon content of 0,15 to 0,25 % may be specified for hot dip galvanising; in this case the mechanical properties as stated in Table 4 may be affected.

<sup>d</sup> For grades C2C and C20C a lower manganese content may be specified with a range of 0,20 %.

<sup>e</sup> For steel grade 1.5519 following elements may be added: Cr ≤ 0,2 %; Mo ≤ 0,05 %, Ni ≤ 0,25 %, V = 0,03 to 0,05 %, Ti = 0,06 to 0,1 %, B = 0,001 5 % to 0,003 0 %.

<sup>f</sup> specific application is patented

**Table 3 — Permissible deviations between product analysis and the limiting values specified in Table 2 for the heat analysis**

| Elements  | Limiting values of the cast (heat) analysis<br>% by mass | Permissible deviation for the product analysis<br>% by mass <sup>a</sup> |
|---|--|--|
| C   | ≤ 0,22   | ±0,02  |
| Si  | ≤ 1,00   | + 0,03   |
|   | > 1,00   | ±0,05  |
| Mn  | ≤ 1,00   | ±0,04  |
|   | > 1,00 ≤ 1,80  | ±0,05  |
| P   | ≤ 0,025  | + 0,005  |
| S   | ≤ 0,025  | + 0,005  |
| Al  | ≤ 0,060  | ±0,005   |
| <sup>a</sup> ± means that in one heat the deviation of the product analysis for a given element may occur over the upper value or under the lower value of the specified range in Table 2, but not both at the same time. |  |  |

Table 4 — Rod, bars and wire not intended for heat treatment after cold working - Mechanical properties

| Steel designation |        | Diameter    |             | Delivery Condition    |                |                   |              |                   |              |                   |              |                   |              |
|-------------------|--------|-------------|-------------|-----------------------|----------------|-------------------|--------------|-------------------|--------------|-------------------|--------------|-------------------|--------------|
|                   |        |             |             | +U or +U+PE           |                | +AC or +AC+PE     |              | +U+C              |              | +U+C+AC           |              | +U+C+AC+LC        |              |
| Name              | Number | above<br>mm | up to<br>mm | MECHANICAL PROPERTIES |                |                   |              |                   |              |                   |              |                   |              |
|                   |        |             |             | $R_m$ max.<br>MPa     | $Z^a$ min<br>% | $R_m$ max.<br>MPa | $Z$ min<br>% | $R_m$ max.<br>MPa | $Z$ min<br>% | $R_m$ max.<br>MPa | $Z$ min<br>% | $R_m$ max.<br>MPa | $Z$ min<br>% |
| C2C               | 1.0314 | 2           | 5           | -                     | -              | -                 | -            | 310               | 80           | 350               | 75           | -                 | -            |
|                   |        | 5           | 10          | 360                   | 75             | 450               | 70           | 300               | 80           | 340               | 75           | -                 | -            |
|                   |        | 10          | 40          | 360                   | 75             | 440               | 70           | 300               | 80           | 340               | 75           | -                 | -            |
|                   |        | 40          | 100         | 360                   | 75             | 440               | 68           | 300               | 80           | 340               | 75           | -                 | -            |
| C4C               | 1.0303 | 2           | 5           | -                     | -              | -                 | -            | 320               | 77           | 360               | 73           | -                 | -            |
|                   |        | 5           | 10          | 390                   | 70             | 470               | 66           | 310               | 77           | 350               | 73           | 410               | 70           |
|                   |        | 10          | 40          | 390                   | 70             | 460               | 66           | 300               | 77           | 350               | 73           | 400               | 70           |
|                   |        | 40          | 100         | 390                   | 70             | 330               | 75           | -                 | -            | -                 | -            | -                 | -            |
| C8C               | 1.0213 | 2           | 5           | -                     | -              | -                 | -            | 350               | 72           | 390               | 68           | -                 | -            |
|                   |        | 5           | 10          | 410                   | 65             | 490               | 63           | 340               | 72           | 380               | 68           | 450               | 65           |
|                   |        | 10          | 40          | 410                   | 65             | 480               | 63           | 340               | 72           | 380               | 68           | 440               | 65           |
|                   |        | 40          | 100         | 410                   | 65             | 360               | 70           | -                 | -            | -                 | -            | -                 | -            |
| C10C              | 1.0214 | 2           | 5           | -                     | -              | -                 | -            | 370               | 72           | 410               | 68           | -                 | -            |
|                   |        | 5           | 10          | 430                   | 60             | 520               | 58           | 360               | 72           | 400               | 68           | 470               | 63           |
|                   |        | 10          | 40          | 430                   | 60             | 510               | 58           | 360               | 72           | 400               | 68           | 460               | 63           |
|                   |        | 40          | 100         | 430                   | 60             | 380               | 70           | -                 | -            | -                 | -            | -                 | -            |
| C15C              | 1.0234 | 2           | 5           | -                     | -              | -                 | -            | 390               | 70           | 430               | 66           | -                 | -            |
|                   |        | 5           | 10          | 460                   | 58             | 550               | 56           | 380               | 70           | 420               | 66           | 490               | 63           |
|                   |        | 10          | 40          | 460                   | 58             | 540               | 56           | 380               | 70           | 420               | 66           | 480               | 63           |
|                   |        | 40          | 100         | 460                   | 58             | 400               | 68           | -                 | -            | -                 | -            | -                 | -            |

| Steel designation                            |        | Diameter    |             | Delivery Condition    |                |                   |              |                   |              |                   |              |                   |              |                   |              |
|--|--------|-------------|-------------|-----------------------|----------------|-------------------|--------------|-------------------|--------------|-------------------|--------------|-------------------|--------------|-------------------|--------------|
|  |        |             |             | +U or +U+PE           |                | +AC or +AC+PE     |              | +U+C              |              | +U+C+AC           |              | +U+C+AC+LC        |              | +AC+C             |              |
| Name   | Number | above<br>mm | up to<br>mm | MECHANICAL PROPERTIES |                |                   |              |                   |              |                   |              |                   |              |                   |              |
|  |        |             |             | $R_m$ max.<br>MPa     | $Z^a$ min<br>% | $R_m$ max.<br>MPa | $Z$ min<br>% | $R_m$ max.<br>MPa | $Z$ min<br>% | $R_m$ max.<br>MPa | $Z$ min<br>% | $R_m$ max.<br>MPa | $Z$ min<br>% | $R_m$ max.<br>MPa | $Z$ min<br>% |
| C17C   | 1.0434 | 2           | 5           | -                     | -              | -                 | -            | 430               | 67           | 470               | 63           | -                 | -            |                   |              |
|  |        | 5           | 10          | 520                   | 58             | 440               | 65           | 420               | 67           | 460               | 63           | 530               | 60           |                   |              |
|  |        | 10          | 40          | 520                   | 58             | 440               | 65           | 420               | 67           | 460               | 63           | 520               | 60           |                   |              |
|  |        | 40          | 100         | 520                   | 58             | 440               | 65           | -                 | -            | -                 | -            | -                 | -            |                   |              |
| C20C   | 1.0411 | 2           | 5           | -                     | -              | -                 | -            | 470               | 67           | 510               | 63           | -                 | -            |                   |              |
|  |        | 5           | 10          | 560                   | 55             | 480               | 65           | 460               | 67           | 500               | 63           | 570               | 60           |                   |              |
|  |        | 10          | 40          | 560                   | 55             | 480               | 65           | 460               | 67           | 500               | 63           | 560               | 60           |                   |              |
|  |        | 40          | 100         | 560                   | 55             | 480               | 65           | -                 | -            | -                 | -            | -                 | -            |                   |              |
| 8MnSi7                                       | 1.5113 | 5           | 10          | 540 <sup>b</sup>      | 60             | -                 | -            | 800 <sup>b</sup>  | -            | -                 | -            | -                 | -            |                   |              |
|  |        | 10          | 25          | 520 <sup>b</sup>      | 60             | -                 | -            | 800 <sup>b</sup>  | -            | -                 | -            | -                 | -            |                   |              |
| 7MnB8 <sup>c</sup>                           | 1.5519 | 5           | 10          | 650 <sup>b</sup>      | 60             | -                 | -            | 800 <sup>b</sup>  | -            | -                 | -            | -                 | -            |                   |              |
|  |        | 10          | 25          | 600 <sup>b</sup>      | 55             | -                 | -            | 800 <sup>b</sup>  | -            | -                 | -            | -                 | -            |                   |              |
|  |        | 25          | 40          | 600 <sup>b</sup>      | 55             | -                 | -            | 800 <sup>b</sup>  | -            | -                 | -            | -                 | -            |                   |              |
| a The values are given only for information. |        |             |             |                       |                |                   |              |                   |              |                   |              |                   |              |                   |              |
| b Minimum values.                            |        |             |             |                       |                |                   |              |                   |              |                   |              |                   |              |                   |              |
| c Specific application is patented           |        |             |             |                       |                |                   |              |                   |              |                   |              |                   |              |                   |              |

*This page deliberately left blank*

# British Standards Institution (BSI)

BSI is the national body responsible for preparing British Standards and other standards-related publications, information and services.

BSI is incorporated by Royal Charter. British Standards and other standardization products are published by BSI Standards Limited.

## About us

We bring together business, industry, government, consumers, innovators and others to shape their combined experience and expertise into standards-based solutions.

The knowledge embodied in our standards has been carefully assembled in a dependable format and refined through our open consultation process. Organizations of all sizes and across all sectors choose standards to help them achieve their goals.

## Information on standards

We can provide you with the knowledge that your organization needs to succeed. Find out more about British Standards by visiting our website at [bsigroup.com/standards](http://bsigroup.com/standards) or contacting our Customer Services team or Knowledge Centre.

## Buying standards

You can buy and download PDF versions of BSI publications, including British and adopted European and international standards, through our website at [bsigroup.com/shop](http://bsigroup.com/shop), where hard copies can also be purchased.

If you need international and foreign standards from other Standards Development Organizations, hard copies can be ordered from our Customer Services team.

## Copyright in BSI publications

All the content in BSI publications, including British Standards, is the property of and copyrighted by BSI or some person or entity that owns copyright in the information used (such as the international standardization bodies) and has formally licensed such information to BSI for commercial publication and use.

Save for the provisions below, you may not transfer, share or disseminate any portion of the standard to any other person. You may not adapt, distribute, commercially exploit, or publicly display the standard or any portion thereof in any manner whatsoever without BSI's prior written consent.

## Storing and using standards

Standards purchased in soft copy format:

- A British Standard purchased in soft copy format is licensed to a sole named user for personal or internal company use only.
- The standard may be stored on more than 1 device provided that it is accessible by the sole named user only and that only 1 copy is accessed at any one time.
- A single paper copy may be printed for personal or internal company use only.

Standards purchased in hard copy format:

- A British Standard purchased in hard copy format is for personal or internal company use only.
- It may not be further reproduced – in any format – to create an additional copy. This includes scanning of the document.

If you need more than 1 copy of the document, or if you wish to share the document on an internal network, you can save money by choosing a subscription product (see 'Subscriptions').

## Reproducing extracts

For permission to reproduce content from BSI publications contact the BSI Copyright & Licensing team.

## Subscriptions

Our range of subscription services are designed to make using standards easier for you. For further information on our subscription products go to [bsigroup.com/subscriptions](http://bsigroup.com/subscriptions).

With **British Standards Online (BSOL)** you'll have instant access to over 55,000 British and adopted European and international standards from your desktop. It's available 24/7 and is refreshed daily so you'll always be up to date.

You can keep in touch with standards developments and receive substantial discounts on the purchase price of standards, both in single copy and subscription format, by becoming a **BSI Subscribing Member**.

**PLUS** is an updating service exclusive to BSI Subscribing Members. You will automatically receive the latest hard copy of your standards when they're revised or replaced.

To find out more about becoming a BSI Subscribing Member and the benefits of membership, please visit [bsigroup.com/shop](http://bsigroup.com/shop).

With a **Multi-User Network Licence (MUNL)** you are able to host standards publications on your intranet. Licences can cover as few or as many users as you wish. With updates supplied as soon as they're available, you can be sure your documentation is current. For further information, email [subscriptions@bsigroup.com](mailto:subscriptions@bsigroup.com).

## Revisions

Our British Standards and other publications are updated by amendment or revision.

We continually improve the quality of our products and services to benefit your business. If you find an inaccuracy or ambiguity within a British Standard or other BSI publication please inform the Knowledge Centre.

## Useful Contacts

### Customer Services

**Tel:** +44 345 086 9001

**Email (orders):** [orders@bsigroup.com](mailto:orders@bsigroup.com)

**Email (enquiries):** [cservices@bsigroup.com](mailto:cservices@bsigroup.com)

### Subscriptions

**Tel:** +44 345 086 9001

**Email:** [subscriptions@bsigroup.com](mailto:subscriptions@bsigroup.com)

### Knowledge Centre

**Tel:** +44 20 8996 7004

**Email:** [knowledgecentre@bsigroup.com](mailto:knowledgecentre@bsigroup.com)

### Copyright & Licensing

**Tel:** +44 20 8996 7070

**Email:** [copyright@bsigroup.com](mailto:copyright@bsigroup.com)

### BSI Group Headquarters

389 Chiswick High Road London W4 4AL UK

