

New and revised codes & standards

From BSI Updates November and December 2019

BS EN PUBLICATIONS

BS EN ISO 3269:2019

Fasteners. Acceptance inspection
Supersedes BS EN ISO 3269:2001

BS EN ISO 6947:2019

Welding and allied processes.
Welding positions
Supersedes BS EN ISO 6947:2011

BS EN ISO 10642:2019

Fasteners. Hexagon socket
countersunk head screws with
reduced loadability
*Supersedes BS EN ISO
10642:2004+A1:2012*

BS EN ISO 12944-5:2019

Paints and varnishes. Corrosion
protection of steel structures by
protective paint systems. Protective
paint systems
Supersedes BS EN ISO 12944-5:2018

BS EN ISO 15607:2019

Specification and qualification of
welding procedures for metallic
materials. General rules
Supersedes BS EN ISO 15607:2003

BS EN ISO 15609-1:2019

Specification and qualification of
welding procedures for metallic
materials. Welding procedure
specification. Arc welding
Supersedes BS EN ISO 15609-1:2004

BS EN ISO 15609-1:2019 – TC

Tracked changes. Specification and
qualification of welding procedures
for metallic materials. Welding
procedure specification. Arc welding
No current standard is superseded

BS EN ISO 15609-2:2019

Specification and qualification of
welding procedures for metallic
materials. Welding procedure
specification. Gas welding
Supersedes BS EN ISO 15609-2:2001

BRITISH STANDARDS WITHDRAWN

BS EN ISO 3269:2001

Fasteners. Acceptance inspection
Supersedes BS EN ISO 3269:2019

BS EN ISO 6947:2011

Welding and allied processes.
Welding positions
Supersedes BS EN ISO 6947:2019

BS EN ISO 15607:2003

Specification and qualification of
welding procedures for metallic
materials. General rules
Supersedes BS EN ISO 15607:2019

BS EN ISO 15609-1:2004

Specification and qualification of
welding procedures for metallic
materials. Welding procedure
specification. Arc welding
Supersedes BS EN ISO 15609-1:2019

BS EN ISO 15609-2:2001

Specification and qualification of
welding procedures for metallic
materials. Welding procedure
specification. Gas welding
Supersedes BS EN ISO 15609-2:2019

BRITISH STANDARDS UNDER REVIEW

BS EN 10306:2002

Iron and steel. Ultrasonic testing of
H beams with parallel flanges and
IPE beams

BS EN ISO 17632:2015

Welding consumables. Tubular cored
electrodes for gas shielded and
non-gas shielded metal arc welding
of non-alloy and fine grain steels.
Classification

BS ISO 16842:2014

Metallic materials. Sheet and strip.
Biaxial tensile testing method using
a cruciform test piece

NEW WORK STARTED

PD 6705-2

Recommendations for the execution
of steel bridges to BS EN 1090-2
*Will supersede PD 6705-
2:2010+A1:2013*

EN ISO 898-3:2018/A1

Mechanical properties of fasteners
made of carbon steel and alloy steel.
Flat washers with specified property
classes
Will supersede BS EN ISO 898-3:2018

EN ISO 10675-1

Non-destructive testing of welds.
Acceptance levels for radiographic
testing. Steel, nickel, titanium and
their alloys
Will supersede BS EN ISO 10675-1:2016

DRAFT BRITISH STANDARDS FOR PUBLIC COMMENT - ADOPTIONS

19/30390069 DC

BS ISO 3506-5 Fasteners. Mechanical
properties of corrosion-resistant
stainless steel fasteners (also
including fasteners from nickel
alloys) for high temperature
applications
*Comments for the above document
were required by 3 December, 2019*

19/30401563 DC

BS EN ISO 2560 Welding
consumables. Covered electrodes
for manual metal arc welding of
non-alloy and fine grain steels.
Classification
*Comments for the above document
were required by 10 December, 2019*

19/30401566 DC

BS EN ISO 14341 Welding
consumables. Wire electrodes and
weld deposits for gas shielded metal
arc welding of non alloy and fine
grain steels. Classification
*Comments for the above document
were required by 21 December, 2019*

19/30401569 DC

BS EN ISO 15792-1 Welding
consumables. Test methods. Test
methods for all-weld metal test
specimens in steel, nickel and nickel
alloys
*Comments for the above document
were required by 10 December, 2019*

19/30401572 DC

BS EN ISO 15792-2 Welding
consumables. Test methods.
Preparation of single-run and two-
run technique test specimens in steel
*Comments for the above document
are required by 6 January, 2020*

CEN EUROPEAN STANDARDS

EN 15804:2012+A2:2019

Sustainability of construction works.
Environmental product declarations.
Core rules for the product category
of construction products

ISO PUBLICATIONS

ISO 8504-1:2019

Preparation of steel substrates
before application of paints
and related products. Surface
preparation methods. General
principles
*Will be implemented as an identical
British Standard*

ISO 8504-2:2019

Preparation of steel substrates
before application of paints
and related products. Surface
preparation methods. Abrasive blast-
cleaning
*Will be implemented as an identical
British Standard*

ISO 14713-2:2019

Zinc coatings. Guidelines and
recommendations for the protection
against corrosion of iron and steel in
structures. Hot dip galvanizing
*Will be implemented as an identical
British Standard*

AD 436: Section classification of a flat plate

SCI is sometimes asked how to
determine the section class of a flat
plate as BS EN 1993-1-1 does not
include this section in table 5.2. The
purpose of this note is to provide
guidance.

A flat plate of width b and

thickness t loaded in axial
compression is not susceptible to
local buckling because there is no
intersection of plates to provide
a stiff axis. Classification for axial
compression is therefore irrelevant.

If the plate is acting as a beam

with the minor axis vertical, lateral
torsional buckling about the minor
axis does not occur.

Lateral torsional buckling can
occur due to bending about the
major axis. It is assumed that the
member is not likely to be designed

plastically so the relevant limit is that
for Class 3. SCI recommends a value
of $b/t \leq 19\epsilon$ to provide a conservative
limit for the Class 3 - Class 4 boundary.

Contact: **Richard Henderson**

Tel: **01344 636555**

Email: **advisory@steel-sci.com**