

This document supersedes EN 13480-4:2002. This new edition incorporates the Amendments/the corrigenda which have been approved previously by CEN members, and the corrected pages up to Issue 17 without any further technical change. Annex Y provides details of significant technical changes between this European Standard and the previous edition.

Amendments to this new edition may be issued from time to time and then used immediately as alternatives to rules contained herein. It is intended to deliver a new Issue of EN 13480:2012 each year, consolidating these Amendments and including other identified corrections. Issue 3 (2014-08) includes the corrected pages listed in Annex Y.

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.

## **Annex Y** (informative)

### **History of EN 13480-4**

#### **Y.1 Differences between EN 13480-4:2002 and EN 13480-4:2012**

The 2012 edition of EN 13480-4 contains the 2002 edition of the standard and all Amendment(s) and/or correction(s) issued in the meantime.

The following is a list of significant technical changes since the previous edition:

- a) the normative references have been updated;
- b) in Clause 3 definitions for cold forming and hot forming have been revised;
- c) in 5.2.3 requirements for employment of sub-contractors added;
- d) 7.2.1 and Table 7.2.1-1 on heat treatment after cold forming of flat products have been revised;
- e) Figure 7.1.3-1c) has been corrected;
- f) Clause 9 "Welding" has been revised;
- g) Table 9.14.1-1 and Table 9.14.1-2 on PWHT have been revised;
- h) a new Table 9.14.1-3 with  $P_{crit}$  values for material groups and materials for PWHT has been added;
- i) 10.3 on weld repairs has been revised;
- j) Clause 11 "Marking and documentation" has been revised;
- k) Annex ZA has been aligned;
- l) the Bibliography has been updated;
- m) the standard has been editorially revised.

NOTE The changes referred include the significant technical changes but is not an exhaustive list of all modifications.

#### **Y.2 List of corrected pages of Issue 2 (2013-08)**

Pages 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 40, 41, 42, 43, 44 and 45.

#### **Y.3 List of corrected pages of Issue 3 (2014-08)**

Pages 5, 43 and 44.

## Annex ZA (informative)

### Relationship between this European Standard and the Essential Requirements of EU Directive 97/23/EC

This European Standard has been prepared under a mandate given to CEN by the European Commission to provide a means of conforming to Essential Requirements of the New Approach Directive 97/23/EC of the European Parliament and of the Council of 29 May 1997 on the approximation of the laws of the Member States concerning pressure equipment.

Once this standard is cited in the Official Journal of the European Union under that Directive and has been implemented as a national standard in at least one Member State, compliance with the clauses of this standard given in Table ZA.1 confers, within the limits of the scope of this standard, a presumption of conformity with the corresponding Essential Requirements of that Directive and associated EFTA regulations.

**Table ZA.1 — Correspondence between this European Standard and Directive 97/23/EC**

Clauses/sub-clauses of this European Standard	Essential Requirements (ERs) of Directive 97/23/EC, Annex I	Qualifying remarks/Notes
5.1 to 5.3, 5.6, Clause 8, 12.1 to 12.4 and Annex B	3.1 first paragraph	Fabrication and installation
6.1	3.1.1	Cutting and bevelling
6.2	3.1.5	Identification of pressure parts
Clause 7	3.1 first paragraph	Bending and other forming
7.2, 7.3, 9.14	3.1.4	Heat treatment
8.1, 8.2, 8.3	6 a), 6 b)	Special requirements for piping
9.1	3.1.2	Welding personnel
9.3 to 9.14	3.1.2	Welding process
Clause 10	3.1 first paragraph	Adjustment and repair
11.2	3.3 a), b)	Marking and identification of piping

**WARNING** — Other requirements and other EU Directives may be applicable to the product(s) falling within the scope of this standard.