PD CEN ISO/TR 15608:2013

BSI Standards Publication

Welding — Guidelines for a metallic materials grouping system

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National foreword

This Published Document is the UK implementation of CEN ISO/TR 15608:2013. It supersedes PD CEN ISO/TR 15608:2005 which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee WEE/36, Qualification of welding personnel and welding procedures.

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.

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English Version

Welding - Guidelines for a metallic materials grouping system (ISO/TR 15608:2013)

Soudage - Lignes directrices pour un système de groupement des matériaux métalliques (ISO/TR 15608:2013)

Schweißen - Richtlinien für eine Gruppeneinteilung von metallischen Werkstoffen (ISO/TR 15608:2013)

This Technical Report was approved by CEN on 16 March 2013. It has been drawn up by the Technical Committee CEN/TC 121.

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Foreword

This document (CEN ISO/TR 15608:2013) has been prepared by Technical Committee ISO/TC 44 "Welding and allied processes" in collaboration with Technical Committee CEN/TC 121 “Welding” the secretariat of which is held by DIN.

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This document supersedes CEN ISO/TR 15608:2005.

Endorsement notice

The text of ISO/TR 15608:2013 has been approved by CEN as CEN ISO/TR 15608:2013 without any modification.

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TECHNICAL REPORT **ISO/TR 15608:2013(E)**

Welding — Guidelines for a metallic materials grouping system

1 Scope

This Technical Report provides a uniform system for grouping of materials for welding purposes. It can also apply to other purposes, such as heat treatment, forming and non-destructive testing.

This Technical Report covers grouping systems for the following standardized materials:

— steels;

— aluminium and its alloys;

— copper and its alloys;

— nickel and its alloys;

— titanium and its alloys;

— zirconium and its alloys;

— cast irons.

2 Grouping system for steels

Steels are grouped as shown in Table 1. Only those elements that are specified in material standards or specifications shall be considered. The figures given in groups

— 1, 2, 3 and 11 refer to the chemical composition specified in the material standard (specified values), and

— 4 to 10 are based on the elemental content used in the designation of the alloys.