



BSI Standards Publication

Welding — Guidelines for a metallic materials grouping system

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National foreword

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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.

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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)

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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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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 figure 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.