

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.

# Contents

	Page
Foreword .....	iv
1 Scope .....	1
2 Grouping system for steels .....	1
3 Grouping system for aluminium and aluminium alloys .....	3
4 Grouping system for copper and copper alloys .....	4
5 Grouping system for nickel and nickel alloys .....	4
6 Grouping system for titanium and titanium alloys .....	5
7 Grouping system for zirconium and zirconium alloys .....	5
8 Grouping system for cast irons .....	5
Bibliography .....	7

# 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.