

SLOVENSKI STANDARD SIST-TP CEN ISO/TR 20172:2006

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Welding - Grouping systems for materials - European materials (ISO/TR 20172:2006)

Schweißen - Werkstoffgruppeneinteilung - Europäische Werkstoffe (ISO/TR 20172:2006)

Soudage - Systemes de groupement des matériaux - Matériaux européens (ISO/TR 20172:2006)

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Ta slovenski standard je istoveten z: CEN ISO/TR 20172:2006

ICS:

25.160.20 Potrošni material pri varjenju Welding consumables

SIST-TP CEN ISO/TR 20172:2006 en

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TECHNICAL REPORT RAPPORT TECHNIQUE TECHNISCHER BERICHT

CEN ISO/TR 20172

February 2006

ICS 25.160.20

English Version

Welding - Grouping systems for materials - European materials (ISO/TR 20172:2006)

Soudage - Systèmes de groupement des matériaux - Matériaux européens (ISO/TR 20172:2006)

Schweißen - Werkstoffgruppeneinteilung - Europäische Werkstoffe (ISO/TR 20172:2006)

This Technical Report was approved by CEN on 11 July 2005. It has been drawn up by the Technical Committee CEN/TC 121.

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Foreword

This document (CEN ISO/TR 20172:2006) has been prepared by Technical Committee CEN/TC 121 "Welding", the secretariat of which is held by DIN, in collaboration with Technical Committee ISO/TC 44 "Welding and allied processes".

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TECHNICAL REPORT

ISO/TR 20172

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Welding — Grouping systems for materials — European materials

Soudage — Systèmes de groupement des matériaux — Matériaux européens

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Contents		
Fore	word	iv
Intro	duction	v
1	Scope	1
2	International grouping system for European materials	2
2.1	Types of steel in accordance with the grouping system of ISO/TR 15608:2005, Table 1	2
2.2	Types of aluminium and aluminium alloy in accordance with the grouping system of ISO/TR 15608:2005, Table 2	
2.3	Types of copper and copper alloy in accordance with the grouping system of ISO/TR 15608:2005, Table 3	
2.4	Types of cast iron in accordance with the grouping system of ISO/TR 15608:2005, Table 7	7 24
Biblio	ography	27

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

In exceptional circumstances, when a technical committee has collected data of a different kind from that which is normally published as an International Standard ("state of the art", for example), it may decide by a simple majority vote of its participating members to publish a Technical Report. A Technical Report is entirely informative in nature and does not have to be reviewed until the data it provides are considered to be no longer valid or useful.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO/TR 20172 was prepared by the European Committee for Standardization (CEN) Technical Committee CEN/TC 121, Welding, in collaboration with Fechnical Committee ISO/TC 44, Welding and allied processes, Subcommittee SC 10, Unification of requirements in the dield of metal welding, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

Introduction

This Technical Report reflects the situation as of June 2004. Changes in European material standards will be taken into account at the next revision of this Technical Report.

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Welding — Grouping systems for materials — European materials

1 Scope

This Technical Report provides a European grouping system for materials for welding purposes, classified in accordance with the grouping system of ISO/TR 15608.

It may also apply for other purposes as heat treatment, forming, non destructive testing. Types of steels in accordance with the grouping system of ISO/TR 15608:2005, Table 1.

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

- steel;
- aluminium and its alloys;

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copper and its alloys;

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cast iron.

2 International grouping system for European materials

2.1 Types of steel in accordance with the grouping system of ISO/TR 15608:2005, Table 1 See Table 1.

Table 1 — Steel materials

Group	Reference	Designation		
	standard	Name	Number	
		S235JR	1.0037	
		S235JRG1	1.0036	
		S235JRG2	1.0038	
		S235JO	1.0114	
		S235J2G3	1.0116	
		S235J2G4	1.0117	
	EN 10025-2	S235J2G3C	1.0118	
		S235J2G4C	1.0119	
		S275JR	1.0044	
	iTeh S	TANIS275JOD PRI	EVE 1.0143	
		S275J2G3	1.0144	
		S275J2G4	1.0145	
1.1		SIST-TP CEN 132G3C 20172:200	1.0141	
	https://standards.i	reh.ai/catal \275J2G4C ist/ebc9a6	99-ae03-40ff- 1.0 7 1 42	
	EN 10028-2	5445de97/sist-tn-cen-iso-tr-20172	1.0345	
		P265GH	1.0425	
		P275N	1.0486	
	EN 10028-3	P275NH	1.0487	
		P275NL1	1.0488	
		P275NL2	1.1104	
	EN 40440.0	S275N	1.0486	
	EN 10113-2	S275NL	1.0488	
	EN 40440.0	S275M	1.8818	
	EN 10113-3	S275ML	1.8819	