

Welding — Grouping systems for materials — Japanese materials

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National foreword

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Summary of pages

This document comprises a front cover, an inside front cover, the CEN ISO/TR title page, the CEN ISO/TR foreword page, the ISO/TR title page, pages ii to iv, pages 1 to 25 and a back cover.

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English Version

**Welding — Grouping systems for materials — Japanese materials
(ISO/TR 20174:2005)**

Soudage — Systèmes de groupement des matériaux —
Matériaux japonais (ISO/TR 20174:2005)

Schweißen — Werkstoffgruppeneinteilung — Japanische
Werkstoffe (ISO/TR 20174:2005)

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Foreword

This document (CEN ISO/TR 20174:2005) 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".

TECHNICAL REPORT

ISO/TR 20174

First edition
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Welding — Grouping systems for materials — Japanese materials

*Soudage — Systèmes de groupement des matériaux — Matériaux
japonais*



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Foreword

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ISO/TR 20174 was prepared by the European Committee for Standardization (CEN) Technical Committee CEN/TC 121, *Welding*, in collaboration with Technical Committee ISO/TC 44, *Welding and allied processes*, Subcommittee SC 10, *Unification of requirements in the field of metal welding*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

Welding — Grouping systems for materials — Japanese materials

1 Scope

This Technical Report provides a Japanese 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, such as heat treatment, forming, and non-destructive testing.

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

- steel;
- aluminium and its alloys;
- titanium and its alloys.

2 Japanese grouping system for materials

2.1 Types of steels in accordance with the grouping system of ISO/TR 15608:2000, Table 1

See Table 1.

Table 1 — Japanese grouping system for steels

Group	Reference standard	Designation
1.1	JIS G 3101	SS330
		SS400
	JIS G 3103	SB410
		SB450
		SB480
		SB450M
		SB480M
	JIS G 3106	SM400A
		SM400B
		SM400C
	JIS G 3113	SAPH310
	JIS G 3116	SG255
	JIS G 3115	SPV235
	JIS G 3118	SGV410
		SGV450
		SGV480
	JIS G 3126	SLA235A
		SLA235B
	JIS G 3131	SPHC
		SPHD
		SPHE
	JIS G 3135	SPFC340
		SPFC370
		SPFC390
		SPFC440
		SPFC490Y
		SPFC540Y
		SPFC590Y
		SPFC340H
	JIS G 3136	SN400A
		SN400B
		SN400C
	JIS G 3444	STK290
		STK400
		STK500
		STK490

Table 1 (continued)

Group	Reference standard	Designation
1.1	JIS G 3452	SGP
	JIS G 3454	STPG370
		STPG410
	JIS G 3455	STS370
		STS410
		STS480
	JIS G 3456	STPT370
		STPT410
		STPT480
	JIS G 3457	STPY400
	JIS G 3458	STPA12
	JIS G 3460	STPL380
	JIS G 3461	STB340
		STB410
	JIS G 3462	STBA12
		STBA13
	JIS G 3464	STBL380
	JIS G 3467	STF410
		STFA12
	JIS G 3472	STAM290GA
		STAM290GB
		STAM340G
		STAM390G
	JIS G 3473	STC370
	JIS G 3475	STKN400W
		STKN400B
	JIS G 3201	SF340A
		SF390A
		SF440A
		SF490A
		SF540A