

**Table 1.1.2 TMCP Steel Plates**

Abbreviations used in Table1.1.2:

EAF	: Electric Arc Furnace
LD	: LD Converter
IC	: Ingot Casting
CC	: Continuous Casting
NSSRP	: New Stainless Steel Refining Process
AOD	: Argon Oxygen Decarburization

Japan

Manufacturer	Grade	Steel Making and Casting Process	Process Name of TMCP	Max. Thick. (mm)	Validity	
JFE Steel Corporation East Japan Works (Keihin)	KE, KL24A, KL24B, KL33, KL37	LD, IC, CC	TMR	42	2010.08.31	
	KE32, KE36, KE40			12.7		
	KA43, KD43, KE43	LD, CC				
	KA32, KD32, KE32, KA36, KD36, KE36, KA40, KD40, KE40	LD, CC	AcC	80		
		LD, IC		50		
	KA43, KD43, KE43	LD, CC		80		
JFE Steel Corporation West Japan Works (Fukuyama)	KSUS304-Mod (JSL304-OL), KSUS304L-Mod(JSL304L-OL), KSUS316-Mod (JSL316-OL), KSUS316L-Mod(JSL316L-OL)	NSSRP, EAF, IC, CC	AcC	55	2011.03.30	
	KSUS304, KSUS304L, KSUS316, KSUS316L	NSSRP, EAF, IC, CC	AcC			
	KSUS304-MOD1(JSL304-OL1)	NSSRP, IC, CC				
	KE, KE32, KE36	LD, IC, CC	TMR	50		
	KE40			20		
	KL24A, KL24B, KL27, KL33, KL37			42		
	KA32, KA36		AcC	35		
	KD32, KD36		AcC	25		
	KL24A, KL24B, KL27, KL33, KL37		AcC	42		
	KA32-HA, KD32-HA, KE32-HA, KA36-HA, KD36-HA, KE36-HA		LD, CC	AcC		40
	KA, KB, KD, KE			AcC		120

Manufacturer	Grade	Steel Making and Casting Process	Process Name of TMCP	Max. Thick. (mm)	Validity
JFE Steel Corporation West Japan Works (Fukuyama)	KA32, KD32, KE32 KA36, KD36, KE36 KA40, KD40, KE40 KF32, KF36, KF40	LD, CC	AcC	80	2011.03.30
	KA43, KD43, KE43			50	
JFE Steel Corporation West Japan Works (Kurashiki)	KL24A, KL24B	LD, IC, CC	TMR	30	2010.08.31
	KL33, KL37			12	
	KA, KB, KD, KE, KA32, KD32, KE32, KA36, KD36, KE36	AcC	100		
	KL24A, KL24B, KL27, KL33, KL37		50		
	KA40, KD40, KE40	LD, IC	50		
		LD, CC	80		
	KA47, KD47, KA51, KD51	LD, CC	AcC	40	
KF32, KF36	LD, CC	AcC	50		
Kobe Steel, Ltd. Kakogawa Works	KL33, KL37	LD, IC, CC	KONTROLL	30	2008.06.30
	KA32, KD32, KE32, KA36, KD36, KE36			40	
	KL24A, KL24B, KL27			51	
	KD, KE				
	KD, KE	KCL	30	2011.10.22	
	KA32, KD32, KA36, KD36		LD, IC, CC	51	2008.06.30
	KE32, KE36		LD, IC, CC, EAF		
	KL33, KL37		LD, IC, CC		
KA32, KD32, KE32, KA36, KD36, KE36, KA40, KD40, KE40	LD, IC, CC	KCL, KCL-Type II	80		
Nakayama Steel Works, Ltd. Funamachi Works	KA32, KA36	LD, CC	TMCP (AcC)	32	2008.06.30

Manufacturer	Grade	Steel Making and Casting Process	Process Name of TMCP	Max. Thick. (mm)	Validity				
Nippon Steel Corporation Kimitsu Works	KD, KE, KA32, KD32, KE32, KA36, KD36, KE36	LD, IC, CC	NIC	50	2008.06.30				
	KL24A, KL24B, KL27, KL33, KL37			40					
	KD, KE, KA32, KD32, KE32, KA36, KD36, KE36	LD, CC	CLC	100					
				NIC		50			
	CLC+T				2011.11.21				
	KE36, KE40, KE36-Z35, KE40-Z35	LD, CC	CLC	80	2008.06.30				
						KA40, KD40	NIC		
	CLC+T						50		
	KA32S, KD32S					CLC	40		
	KA36S, KD36S						100		
	KL24A, KL24B, KL27, KL33, KL37					CLC+T	50		
								NIC	
KA43, KD43, KE43, KF43, KA47, KD47, KE47, KF47, KA51, KD51, KE51, KF51	CLC					50			
							CLC+T		
Nippon Steel Corporation Nagoya Works	KA32, KD32, KE32, KA36, KD36, KE36					LD, CC	NIC	50	2008.06.30
	KD, KE, KL24A, KL24B, KL33, KL37							40	
	KA32, KD32, KE32, KA36, KD36, KE36					LD, IC, CC	CLC	80	
	KA32S, KD32S	50							
	KD36S	40							
	KA36S	30							

Manufacturer	Grade	Steel Making and Casting Process	Process Name of TMCP	Max. Thick. (mm)	Validity
Nippon Steel Corporation Nagoya Works	KA40, KD40, KE40	LD, IC, CC	CLC	50	2008.06.30
	KA32, KD32, KE32, KA36, KD36, KE36, KA40, KD40, KE40		CLC+T	100	
Nippon Steel Corporation Oita Works	KA, KB, KD, KE	LD, CC	NIC	90	2008.06.30
	KA32, KD32, KE32, KA36, KD36, KE36			16	
	KL24A, KL24B, KL27, KL33, KL37			16	
	KA40, KD40			35	
	KE40			20	
	KF32			16	
	KL24A, KL24B, KL27, KL33, KL37		CLC, CLC+T	40	
	KA36S, KD36S		CLC	90	
	KA, KB, KD, KE			50	
	KA32S, KD32S		CLC, CLC+T	95	
	WHF40, KA43, KD43, KE43, KF43			90	
	KA32, KD32, KE32, KA36, KD36, KE36			50	
	KF32, KF36, KA40, KD40, KE40, KF40		SF+CLC, SF+CLC+T	25	
	KA32-HA, KD32-HA, KE32-HA KA36-HA, KD36-HA, KE36-HA KA49-HA, KD40-HA, KE40-HA		SF+CR (for other than below) SF+NIC (for KE32-HA, KE36-HA, KE40-HA)	70	
	KE40M		CLC		

Manufacturer	Grade	Steel Making and Casting Process	Process Name of TMCP	Max. Thick. (mm)	Validity
Nippon Steel & Sumikin Stainless Steel Corporation Yawata Steel Mill	KSUS304, KSUS304-Mod, KSUS304L, KSUS304L-Mod, KSUS316, KSUS316L	EAF, IC, CC	CLC	60	2008.06.30
Sumitomo Metal Industries, Ltd., Kashima Steel Works	KD, KE, KL24A, KL24B	LD, IC, CC	SSC	50	2008.06.30
	KE32, KE36, KL27, KL33, KL37			40	
	KD, KE, KE32, KE36, KL24A, KL24B		SHT	50	
	KL33, KL37			40	
	KA32, KD32, KE32, KA36, KD36, KE36, KE32MOD, KE36MOD		DAC	75	
	KA40, KD40, KE40, KA43, KD43, KE43			50	
	KL33, KL37				
Sumitomo Metal Industries, Ltd., Kashima Steel Works	KL27	LD, IC, CC	DAC	40	2008.06.30
	KA40, KD40, KE40	LD, CC	DAC	101.6	
	KA36-FCA, KD36-FCA, KE36-FCA, KA40-FCA, KD40-FCA, KE40-FCA	LD, CC		DAC	80
	KA32, KD32, KA36, KD36	LD, CC	SSC	22	2008.06.30
	KA			60	2011.07.19
	KE			100	2008.06.30
	KA47, KD47, KE47, KA51, KD51, KE51	LD, CC	DAC	40	
	KD51, KA51	LD, CC		45	
	KSUS304-MOD1	EAF, CC, AOD	SSC	50	
	KSUS304-MOD2	EAF, CC, AOD		SSC	
KSUS316-MOD1	EAF, CC, AOD	SSC	30		
Sumitomo Metal Industries, Ltd., Wakayama Steel Works	KD, KE, KL24A, KL24B	LD, IC, CC	SSC	50	2008.06.30
	KE32, KE36, KL33, KL37			40	

## Australia

Manufacturer	Grade	Steel Making and Casting Process	Process Name of TMCP	Max. Thick. (mm)	Validity
Bluescope Steel (AIS) Pty Ltd., Port Kembla Steelworks	KA, KB, KD, KE, KA32, KD32, KE32, KA36, KD36, KE36	LD, IC, CC	TMCP (Non AcC)	50	2008.06.30

## China

Manufacturer	Grade	Steel Making and Casting Process	Process Name of TMCP	Max. Thick. (mm)	Validity
Angang New Steel Co., Ltd., Heavy Plate Plant	KA, KB, KD, KE, KA32, KD32, KE32, KF32, KA36, KD36, KE36, KF36, KA40, KD40, KE40, KF40 KA-Z35, KB-Z35, KD-Z35, KE-Z35, KA32-Z35, KD32-Z35, KE32-Z35, KF32-Z35, KA36-Z35, KD36-Z35, KE36-Z35, KF36-Z35, KA40-Z35, KD40-Z35, KE40-Z35, KF40-Z35	CC	TMCP (AcC)	100	2011.05.15
	KA43, KD43, KE43, KF43, KA47, KD47, KE47, KF47, KA51, KD51, KE51, KF51, KA56, KD56, KE56, KF56, KA43-Z35, KD43-Z35, KE43-Z35, KF43-Z35, KA47-Z35, KD47-Z35, KE47-Z35, KF47-Z35, KA51-Z35, KD51-Z35, KE51-Z35, KF51-Z35, KA56-Z35, KD56-Z35, KE56-Z35, KF56-Z35	CC	TMCP (AcC)	80	
China Hunan Valin Xiangtan Iron and Steel Co., Ltd.	KD, KA32, KD32, KA36, KD36	LD, CC	TMCP (AcC)	40	2011.10.04
China Steel Corporation Kaohsiung Works	KA32, KD32, KE32, KA36, KD36, KE36, KA32-Z25, KD32-Z25, KE32-Z25, KA36-Z25, KD36-Z25, KE36-Z25	LD, CC	CSAC	50	2008.06.30
Jiuquan Iron & Steel (Group) Co., Ltd.	KD	LD, CC	TMCP (AcC)	30	2008.06.30
Xinyu Iron & Steel Co., Ltd.	KA, KB, KD, KA32, KD32, KA36, KD36	CC	TMCP (AcC)	40	2009.07.19

## Korea

Manufacturer	Grade	Steel Making and Casting Process	Process Name of TMCP	Max. Thick. (mm)	Validity
Dongkuk Steel Mill Co., Ltd., Pohang Works	KD, KE, KA32, KD32, KE32, KA36, KD36, KE36	LD, CC	TMR (Non-AcC)	50	2008.06.30
Pohang Iron & Steel Co., Ltd. (POSCO), Pohang Works	KA32, KD32, KE32, KA36, KD36, KE36, KA32-Z25, KD32-Z25, KE32-Z25, KA36-Z25, KD36-Z25, KE36-Z25	LD, CC	PILAC	51	2008.06.30
	KA40, KD40, KE40, KL27, KL33, KL37			50	
	KL24A, KL24B, KL27, KL33, KL37		PTR	30	
Pohang Iron & Steel Co., Ltd. (POSCO), Pohang Works, No.2 Plate Mill	KA, KB, KD, KE, KA32, KD32, KE32, KA36, KD36, KE36, KA40, KD40, KE40, KA-Z25, KB-Z25, KD-Z25, KE-Z25, KA32-Z25, KD32-Z25, KE32-Z25, KA36-Z25, KD36-Z25, KE36-Z25, KA40-Z25, KD40-Z25, KE40-Z25	LD, CC	TMCP (AcC)	90	2008.06.30
Pohang Iron & Steel Co., Ltd. (POSCO), Pohang Works, No.3 Plate Mill	KA, KB, KD, KE, KA32, KD32, KE32, KA36, KD36, KE36, KA40, KD40, KE40, KA-Z25, KB-Z25, KD-Z25, KE-Z25, KA32-Z25, KD32-Z25, KE32-Z25, KA36-Z25, KD36-Z25, KE36-Z25, KA40-Z25, KD40-Z25, KE40-Z25	LD, CC	TMCP (AcC)	90	2008.06.30
	KL27, KL33, KL37	LD, CC	TMCP (AcC)	30	2008.06.30