

Material translations

Translation table for international material standards
Structural steel

Table 7

Germany		France	U.K.	Italy	Japan	Sweden	Russia	Spain	U.S.
W.-NR.	DIN	AFNOR	B.S.	UNI	JIS	SS	GOST	UNE	AISI/SAE/ASTM
I.0028	S250G1T/UST 34-2	A 34-2	-	Fe 330 Fe 330 B FU	SS 330	-	-	-	-
I.0034	S250G2T/RSt 34-2	A 34-2 NE	I 449 34/20 HR,HS,CR,CS	Fe 330 B FN	-	-	St2sp; St2ps	-	-
I.0035	S185 (Fe 310-0) St 33	A 33	Fe 310-0 I 449 15 HR, HS	Fe 320	-	I 300	St0	A 310-0 Fe 310-0	A 283 Gr.A
I.0036	S235JR G1 (Fe 360 B) USt 37-2	-	Fe 360 B 4360-40 B	Fe 360 B FU	-	I 311 I 312	I 6D I 8kp St3kp	AE 235 B Fe 360 B	A 283 Gr. C A 570 Gr. 33, 36
I.0037	S235JR (Fe 360 B) St 37-2	E 24-2	Fe 360 B; 6323-ERW3, CEW 3 I 449 37/23 HR	Fe 360 B; C; D	STKM 12 A; C	I 311	-	AE 235 B Fe 360 B	I 015 A 283 Gr. C
I.0038	S235JR G2 (Fe 360 B) RSt 37-2	E 24-2 NE	Fe 360 B FU I 449 27/23 CR 4360-40 B; 6323-HFW 3, HFS 3	Fe 360 B FN	-	I 312	St3ps; sp	AE 235 B FN; FU Fe 360 B FN; FU	A 570 Gr. 36
I.0044	S275JR (Fe 430 B) St 44-2	E 28-2	Fe 430 B FN; I 449 43/25 HR, HS 4360-43 B; 6323-HFW 4, HFS4, ERW 3, CEW 4, SAW 4	Fe 430 B Fe 430 B FN	SM 400 A; B; C	I 412	St4ps; sp	AE 275 B Fe 430 B FN	I 020 A 570 Gr. 40 A 572 Gr. 42
I.0045	S355JR	E 36-2	4360-50 B	Fe 510 B	-	2172	-	AE 355 B	-
I.0050	E295 (Fe 490-2) St 50-2	A 50-2	Fe 490-2 FN 4360-50 B	Fe 490	SS 490	I 550 2172	St5ps; sp	A 490-2 Fe 490-2 FN	A 570 Gr. 50 A 572 Gr. 50
I.0060	E335 (Fe 590-2) St 60-2	A 60-2	Fe 590-2 FN 4360-55 E; 55 C	Fe 60-2 Fe 590	SM 570	I 650	St6ps; sp	A 590-2 Fe 590-2 FN	A 572 Gr. 65
I.0070	E360 (Fe 690-2) St 70-2	A 70-2	Fe 690-2 FN	Fe 70-2 Fe 690	-	I 655	-	A 690-2 Fe 690-2 FN	-
I.0112	P235S (SPH 235)	A37AP	I 501-164-360B LT20	Fe 360 C	-	-	-	AE 235 C	-
I.0114	S235JO; St 37-3 U	E 24-3	4360-40C	Fe 360 C	-	-	-	AE 235 C	-
I.0116	S235J2G3 (Fe 360 DI) St 37-3	E 24-3 E 24-4	Fe 360 DI FF I 449 37/23 CR 4360-40 D 6323-HFW 4, HFS 4	Fe 360 C; D Fe 360 C FN Fe 360 D FF Fe 37-2	-	I 312 I 313	St3kp; ps; sp I 6D	AE 235 D Fe 360 DI FF	A 284 Gr. D A 573 Gr. 58 A 570 Gr. 36; C A 611 Gr. C
I.0130	P265S (SPH 265)	A 42 AP	I 501-164-400B LT 20	-	-	-	-	SPH 265	-
I.0143	S275JO; St 44-3 U	E 28-3	4360-43C	Fe 430 D	-	I 414-01	-	AE 275 D	A 572 Gr. 42
I.0144	S275J2G3 (Fe 430 DI) St 44-3	E 28-3 E 28-4	Fe 430 DI FF 4360-43 C; 43 D	Fe 430 B Fe 430 C (FN) Fe 430 D (FF)	SM 400 A; B; C	I 411 I 412 I 414	St4kp; ps; sp	AE 275 D Fe 430 DI FF	A 573 Gr. 70 A 611 Gr. D A 572 Gr. 42
I.0149	S275JOH; RoSt 44-2	-	4360-43C	Fe 430 C	-	I 412-04	-	Fe 430 C	-
I.0226	DX51D (St 02 Z)	GC	Z2	FeP 02 G	-	I 151-10	-	FeP 02 G	-
I.0301	C10	C 10 AF 34 C 10 XC 10	O40 A 10 O45 M 10 I 449 10 CS	C10 I C 10	S 10 C	-	I 0	F. I 51 I F. I 51 A	I 010
I.0330	DC 01 St 2; St 12	TC	I 449 4 CR I 449 4 CS	FeP 00 FeP 01	SPCC; CR I	I 142	-	AP 01	A 366 (I 012) I 008
I.0332	DD 11; StW 22	I C	I 449 4 HR; 14 HR	FeP 11	SPHD; HR I	-	I 5kp	AP 11	A 621 (I 008)
I.0333	USt 3 (DC03G1) USt 13	E	I 449 2 CR; 3 CR	FeP02	SPCD	-	-	AP 02	A 619 (I 008)
I.0334	UStW 23 (DD12G1)	2 C	-	FeP 12	SPHE	-	I 0kp	AP 12	A 621 (I 008)
I.0335	DD13; StW 24	3 C	I 449 1 HR	FeP 13	SPHE	-	I 0kp	AP 13	A 622 (I 008)
I.0338	DC04 St 4; St 14	ES	I 449 1 CR; 2 CR	FeP 04	SPCE; HR 4	I 147	I 08ju; JuA	AP 04	A 620 (I 008)
I.0345	P235GH H1	A 37 CP; AP	I 501 Gr. 141-360 I 501 Gr. 161-360; I 51-360 I 501 Gr. 161-400; I 54-360 I 501 Gr. 164-360; 161-360	FeE235 Fe 360 1 KW;KG Fe 360 2 KW;KG	SGV 410 SGV 450 SGV 480 SPV 450;SPV 480	I 331 I 330	-	A 37 RC I RA II	A 516 Gr. 65;55 A 515 Gr. 65;55 A 414 Gr. C A 442 Gr. 55
I.0347	DC03 RRSt 3; RRSt 13	E	I 449 3 CR I 449 2 CR	FeP 02	CR 3	I 146	I 08ju	AP 02	A 619
I.0401	C15	C 18 AF 37 C 12 XC 18	O80 A 15 O80 M 15 I 449 17 CS	C 15 C 16 I C 15	S 15 C	I 350	-	F. I 11	M 1015 M 1016 M 1017
I.0402	C22	AF 42 C 20 XC 25 I C 22	O55 M 15 O70 M 20 I 449 22 HS, CS	C 20 C 21 C 25	S 20 C S 22 C	I 450	20	I C 22 F. I 12	(M) 1020 M 1023
I.0406	C25	I C 25	O70 M 26	C 25 I C 25	-	-	-	-	(M) 1025
I.0425	P265GH H11	A 42 CP; AP	I 501 Gr. 161-400; I 51-400 I 501 Gr. 164-360; 161-400 I 501 Gr. 164-400; I 54-400	Fe 410 1 KW; KG; KT Fe 410 2 KW;KG	SPV 315; SPV 355 SG 295; SGV 410 SGV 450; SGV 480	I 431 I 430 I 432	I 6K 20K	A 42 RC I A 42 RC II	-
I.0473	P355GH I 9 Mn 6	A 52 CP; AP	-	Fe E 355-2	SGV 410 SGV 450 SGV 480	2101 2102	-	A 52 RC I RA II	A 537 Cl. I A 414 Gr. G A 612
I.0481	P295GH I 7 Mn 4	A 48 CP; AP	I 501 Gr. 224 3059-440	Fe 510-1 KG; KT; KW Fe 510-2 KG; KT; KW FeE 295	SG 365 SGV 410 SGV 450 SGV 480	-	I 4G2	A 47 RC I RA II	A 516 Gr. 70 A 515 Gr. 70 A 414 Gr. F; G
I.0501	C35	C 35 I C 35 AF 55 C 35 XC 38	O80 A 32 O80 A 35 O80 M 36 I 449 40 CS	C 35 I C 35	S 35 C	I 572 I 550	35	F. I 13	I 035
I.0503	C45	C 45 I C 45 AF 65 C 45	O60 A 47 O80 M 46 I 449 50 HS, CS	C 45 I C 45	S 45 C	I 672 I 650	45	F. I 14	I 045
I.0511	C40	I C 40 AF 60 C 40	O80 M 40	C 40 I C 40	-	-	-	F. I 14.A	I 040
I.0535	C55	C 54; I C 55 AF 70 C 55	O70 M 55 5770-50	C 55 I C 55	S 55 C	I 655	55	F. I 15	I 055
I.0539	S355NH (StE 335)	TSE 355-4	-	Fe 510 B	-	2134-04	-	Fe 355 KGN	-
I.0540	C 50	C 50	-	C 50	-	I 674	-	I C 50	-
I.0545	S355N (StE 355)	E 355 R	4360-50E	FeE 355 KG	-	2334-01	-	AE 355 KG	-
I.0546	S355NL (TSIE 355)	E 355 FP	4360-50EE	FeE 355 KT	-	2135-01	-	AE 355 KT	-
I.0547	S355JOH	TSE 355-3	4360-50C; 6323-HFW 5 ;HFS 5	Fe 510 C	-	2172-04	-	Fe 510 C	-

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I.0549 S355NLH;TStE 355	-	-	Fe 510 D	-	2135	-	FeE 355 KTN	-
I.0553 S355JO; St 52-3U	E 36-3	4360-50C	Fe 510 C	-	-	-	-	A 572 Gr.50
I.0562 P355N StE 355	FeE 355 KG N E355R/FP;A510AP	I501 Gr.225-490 A LT 20	FeE 355 KG; KW	SM490A;B;C;YA;YB	2106	15GF	AE 355 KG; DD	A 633 Gr. C A 588
I.0565 P355NH (WStE 355)	A 510 AP	I501-225-490BLT20;3602-500Nb	FeE 355-2	-	2106	-	-	-
I.0566 P355NLI (TStE 355)	A 510 FP	I501-225-490A LT 50	FeE 355-3	-	2107-01	-	-	-
I.0570 S355J2G3 St 52-3 N	E 36-3 E 36-4	Fe 510 D1 FF I449 50/35 HR, HS 4360-50 D 6323-ERW 5, CEW 5, SAW 5	Fe 510 C FN Fe 510 B; C; D Fe 510 B FN	SM 490A;B;C;YA;YB	2132 2133 2134 2174	17GS 17GIS	AE 355 D Fe 510 D1 FF	I024;I524 A 572 Gr.50
I.0577 S355J2G4 (Fe 510 D 2)	A 52 FP	Fe 510 D2 FF I501 Gr.224-460 I501 Gr.224-490	-	-	2174	-	A 52 RB II AE 355 D	A 738
I.0601 C60	C60; I C 60 AF 70 C 55	060 A 62; 5770-60 I449; 60 HS, C5	C 60 I C 60	S 58 C	-	60(G)	-	I060
I.0603 C67	C 68 XC 65	080 A 67 I449 70 HS; 5770-70	C 67	-	-	-	-	I070
I.0605 C75	C75	I449 80 HS	C 75	-	-	75	-	I074 I075
I.0614 C 76 D (D 75-2)	XC 75	-	-	-	-	75	-	I074
I.0616 C 86 D (D 85-2)	XC 80	I449 80 HS, C5	C 85	-	-	85	-	I086
I.0618 C 92 D (D 95-2)	XC 90	I449 95 HS, C5	-	-	-	-	-	I095
I.0715 9 SMn 28 (I1SMn30)	S 250	230 M 07	CF 9 SMn 28	SUM 22	1912	-	F2111-I1 SMn 28	I213
I.0718 9 SMnPb 28 (I1SMnPb30)	S 250 Pb	-	CF 9 SMnPb 28	SUM 22 L SUM 23 L SUM 24 L	1914	-	F2112-I1 SMnPb 28	I2 L I3
I.0721 I0 S 20	I0 F 2	(210 M 15)	CF I0 S 20	-	-	-	F2121-I0 S 20	I108 I109
I.0722 I0 SPb 20	I0 PbF 2	-	CF I0 SPb 20	-	-	-	F2122-I0 SPb 20	I1 L 08
I.0723 I5 S 22 I5 S 20	-	210 A 15 210 M 15	-	SUM 32	1922	-	F210.F	-
I.0726 35 S 20	35 MF 6	212 M 36	-	-	1957	-	F210.G	I140
I.0727 45 S 20 (46S20)	45 MF 4	-	-	-	-	-	-	I146
I.0736 9 SMn 36 (I1SMn37)	S 300	-	CF 9 SMn 36	SUM 25	-	-	F2113-I2 SMn 35	I215
I.0737 9 SMnPb 36 (I1SMnPb37)	S 300 Pb	-	CF 9 SMnPb 36	-	1926	-	F2114-I2 SMnPb 35	I2L I4
I.0972 S315MC (QStE 300TM)	E 315 D	I449-43F30	-	-	-	-	-	-
I.0976 S355MC (QStE 360TM)	E 355 D	I449-43F35; 46F40	FeE355TM	-	2642	-	-	-
I.0982 S460MC (QStE 460TM)	E 445 D	I449-50F45; 50/45	-	-	-	-	-	-
I.0984 S500MC (QStE 500TM)	E 490 D	-	FeE 490 TM	-	2662	-	-	-
I.0986 S550MC (QStE 550TM)	E 560 D	I449 60/55, 60F55	FeE 560 TM	-	-	-	-	-
I.1121 C10E/ Ck 10	C 10 XC 10	040 A 10	C 10 2 C 10 2 C 15	S 9 CK S 10 C	1265	08; 10	F.1510-C 10 k	I010
I.1133 20Mn5	20 M 5	I20 M 19	G 22 Mn 3 20 Mn 7	SMnC 420	2132	20GSL	F.1515-20 Mn 6	I022 I518
I.1141 C15E/ Ck 15	XC 12 XC 15 C 18; XC 18	040 A 15 080 M 15	C 15 C 16	S 15 S 15 CK	1370	15	F.1110-C 15 k F.1511-C 16 k	I015
I.1151 C22E Ck 22	2 C 22 XC 18 XC 25	055 M 15 (070 M 20)	C 20 C 25	S 20 C S 20 CK S 22 C	1450	20	F.1120-C 25 k	I020 I023
I.1157 40Mn4	35 M 5 40 M 5	I50 M 36	-	-	-	40G	-	I035 I041
I.1158 C25E Ck 25	2 C 25 XC 25	(070 M 26)	C 25	S 25 C S 28 C	-	25	F.1120-C 25 k	I025
I.1165 30Mn5	35 M 5	I20 M 36 (I50 M 28)	-	SMn 433 H SCMn 2	-	27CHGNSNMDTL 30GSL	F.8211-30 Mn 5 F.8311-AM 30 Mn 5	I036 I330
I.1166 34Mn5	-	-	-	SMn 433 H	-	-	TOB	I536
I.1167 36Mn5	35 M 5 40 M 5	I50 M 36	-	SMn 438 (H) SCMn 3	2120	35G2 35GL	F.1203-36 Mn 6 F.8212-36 Mn 5	I335
I.1170 28Mn6	20 M 5 28 Mn 6	(I50 M 28) (I50 M 19)	C 28 Mn	SCMn 1	-	30G	28 Mn 6	I330
I.1178 C30E; Ck 30	XC 32	080M30	C 30	S 30 CM	-	-	2 C 30	-
I.1180 C35R Cm 35	3 C 35 XC 32	080 A 35	-	-	1572	-	F.1135-C 35 k-I	I035
I.1181 C35E Ck 35	C 35; 2 C 35 XC 32 XC 38 H I	080 A 35 (080 M 36)	C 35	S 35 C	1550 1572	35	F.1130-C 35 k	I035 I038
I.1183 Cf 35 (C35G)	XC 38H I TS	080 A 35	C 36; C 38	S 35 C	1572	35	-	I035
I.1186 C40E Ck 40	2 C 40 XC 42 H I	060 A 40 080 A 40 080 M 40	C 40	S 40 C	-	40	-	I040
I.1191 C45E Ck 45	C 45; 2 C 45 XC 42 H I XC 45 XC 48 H I	080 M 46 060 A 47	C 45 C 46	S 45 C S 48 C	1672	45	F.1140-C 45 k F.1142-C 48 k	I045
I.1193 Cf 45 (C45G)	XC 42 H I TS	060 A 47 080 M 46	C 43 C 46	S 45 C	1672	45	-	I045
I.1201 C45R Cm 45	3 C 45 XC 42 H I XC 48 H I	080 M 46	C 45	S 50 C	1660	-	F.1145-C 45 k-I F.1147-C 48 k-I	I049
I.1203 C55E Ck 55	2 C 55 XC 55 H I; XC 54	060 A 57 070 M 55	C 55	S 55 C	1655	55	F.1150-C 55 k	I055
I.1206 C50E Ck 50	2 C 50 XC 48 H I; XC50 H I	080 M 50	C 50	-	1674	50	-	I049 I050
I.1209 C55R Cm 55	3 C 55 XC 55 H I	070 M 55	C 55	-	-	-	F.1155-C 55 k-I	I055
I.1213 Cf 53 (C53G)	XC 48 H I TS	070 M 55	C 53	S 50 C	1674	50	-	I050 I055

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W.-NR.	DIN	AFNOR	B.S.	UNI	JIS	SS	GOST	UNE	AISI/SAE/ASTM
I.1221	C60E Ck 60	C 60 2 C 60 XC 60 H 1XC 60	060 A 62	C 60	S58 C	1665 1678	60 60G 60GA	-	1060 1064
I.1231	C67E/ Ck 67	C68 XC 68	060 A 67	C 70	-	1770	65GA 68GA 70	-	1070
I.1248	C75E/ Ck 75	C 75 XC 75	060 A 78 5770-80	C 75	-	1774	75(A)	-	1074 1075 1078
I.1269	C85E/Ck 85	C 90;XC 90	-	C 90	-	-	85(A)	-	1086
I.1274	C101E/Ck 101	C 100;XC 100	5770-95	C 100	SUP 4	1870	-	-	1095
I.3401	X120Mn12	Z 120 M 12	-	GX 120 Mn 12	SCMnH 1 SCMnH 11	2183	110G13L	F8251-AM-X120 Mn12	A 128 (A)
I.3505	100Cr 6	100 C 6 100Cr 6	2 S 135 535 A 99	100 Cr 6	SUJ 2	2258	SchCh 15	F.1310-100 Cr 6	52100
I.5024	46Si7	45S7;Y46S7;46Si7	-	-	-	-	-	F.1451-46 Si 7	-
I.5025	51Si7	51 S 7 51 Si 7	-	48 Si 7 50 Si 7	-	2090	-	F.1450-50 Si 7	9255
I.5026	55Si7	55 S 7; 56 Si 7; 55 Si 7; 56 SC 7	251 A 58	55 Si 7	-	2085 2090	55S2	F.1440-56 Si 7	9255
I.5027	60Si7	60 Si 7 60 S 7	251 A 60 251 H 60	60 Si 7	-	-	60S2	F.1441-60 Si 7	9260
I.5028	65Si7	60 S 7	-	-	50 P 7 SUP 6	-	-	-	9260 H
I.5415	16Mo 3 15Mo 3	15 D 3	1503-243B;3606-243;3059-243	16 Mo 3 (KG; KW)	-	2912	-	F.2601-16 Mo 3	A 204 Gr.A 4017
I.5419	22Mo 4	-	1503-243-430	G 20 Mo 5 G 22 Mo 5	SCPH 11	(2512)	-	-	4419
I.5423	16Mo 5	-	-	16 Mo 5 KG; KW	SB 450 M SB 480 M	-	-	F.2602-16 Mo 5	4520
I.5622	14Ni 6	16 N6	-	14 Ni 6 KG; KT	-	-	-	F.2641-15 Ni 6	A 350-LF 5
I.5637	12Ni14 10 Ni 14	2 N 14 3,5 Ni 355	3603-503 LT 5 S 15	-	SL 3 N 26 45	-	-	F. 152	A 350-LF 3
I.5662	X8Ni9	9 Ni 490	3603-509 LT 1502-502-650, 509-690 1503-509-690	X 10 Ni 9 X 12 Ni 09	SL 9 N 53 60	-	-	F.2645-X 8 Ni 09	A 353
I.5680	X12Ni5 12 Ni 19	Z 18 N 5 5 Ni 390	-	-	-	-	-	-	2515 2517
I.5711	40NiCr6	-	-	-	-	-	40ChN	-	(X) 3140
I.5713	13NiCr6	10 NC 6	-	-	-	-	-	-	3115
I.5732	14NiCr10	14 NC 11	-	16 NiCr 11	SNC 415 (H)	-	-	F.1540-15 NiCr 11	3415
I.5736	36NiCr10	30 NC 11	-	-	SNC 631 (H)	-	-	-	3435
I.5752	14NiCr14 15NiCr13	12 NC 15 14 NC 12 13NiCr 14	655 H 13 655 M 13	-	SNC 815 (H)	-	-	-	3310 3415 9314
I.5919	15CrNi6	16 NC 6	-	-	-	-	-	-	3115
I.6511	36CrNiMo4	36 CrNiMo 4 35 NCD 5 40 NCD 3	817 M 37	38 NiCrMo 4 (KB)	-	-	40ChN2MA 40ChGNM	F.1280-35 NiCrMo 4	4340 9840
I.6523	21NiCrMo2	20 NCD 2 22 NCD 2	805 H 20 805 M 20 806 M 20	20 NiCrMo 2	SNCM 220 (H)	2506	20ChGNM	F.1522-20 NiCrMo 2 F.1534-20 NiCrMo 31	8620
I.6546	40NiCrMo 2-2	40 NCD 2	3111-Type 7	40 NiCrMo 2 (KB)	SNCM 240	-	38ChGNM	F.1204-40 NiCrMo 2 F.1205-40 NiCrMo 2DF	8740
I.6562	40NiCrMo 8-4	-	817 M 40	40 NiCrMo 7 (KB)	SNB 24-1-5	-	-	-	E 4340
I.6565	40NiCrMo 6	-	817 A 37 818 M 40	-	SNCM 439	-	40Ch2N2MA	F.1272-40 NiCrMo 7	4340 9850
I.6580	30CrNiMo 8	30 CrNiMo 8 30 CND 8	823 M 30	30 NiCrMo 8	SNCM 431	-	-	30 CrNiMo 8	-
I.6582	34CrNiMo 6	34 CrNiMo 8 35 NCD 6	816 M 40 817 M 40	35 NiCrMo 6 KB	SNCM 447	2541	38Ch2N2MA	F.1272-40 NiCrMo 7 34 CrNiMo 6	4337 4340
I.6587	17CrNiMo6/18CrNiMo 7-6	18 NCD 6	-	(18 NiCrMo 7)	-	-	-	F.1560-14 NiCrMo13	-
I.6657	14NiCrMo 13-4	16 NCD 13	832 H 13 832 M 13 S 157	15 NiCrMo 13	-	-	-	F.1560-14 NiCrMo13 F.1569-14 NiCrMo13 I	9310
I.6746	32NiCrMo 14-5	35 NCD 14	-	-	-	-	-	F.1262-32 NiCrMo 12	-
I.6747	30NiCrMo16-6	35 NCD 16	835 M 30	-	-	-	-	F.1260-32 NiCrMo 16	-
I.7003	38Cr2	38 C 2 38 Cr 2	120 M 36	38 Cr 2 41 Cr 2 KB	-	-	-	F.1200-38 Cr 3	-
I.7006	46Cr2	42 C 2 46 Cr 2	-	45 Cr 2	-	-	-	-	5045 5046
I.7015	15Cr3	12 C 3; 15 Cr 2; 18 C 3	523 M 15	-	SCr 415 (H)	-	15Ch	-	5015 5115
I.7030	28Cr 4	-	530 A 30	-	-	-	30Ch	-	5130
I.7033	34Cr 4	32 C 4 34 Cr 4	530 A 32 530 H 32 530 M 32	34 Cr 4 (KB)	SCr 430 (H)	-	35Ch	F.8221-35 Cr 4	5132
I.7034	37Cr 4	37 Cr 4 38 C 4	31111-3/1 530 A 36 530 H 36 530 M 36	36 CrMn 4 36 CrMn 5 38 Cr 4 KB 38 CrMn 4 KB	SCr 435 H	-	SchCh 10 40Ch	F.1210-38 Cr 4 DF F.1201-38 Cr 4	5135
I.7035	41Cr 4	41 Cr 4 42 C 4	530 A 40 530 H 40 530 M 40	41 Cr 4 41 Cr 4 KB	SCr 440 (H)	-	40Ch	F.1211-41 Cr 4 DF F.1202-42 Cr 4	5140
I.7045	42Cr 4	42 C 4 TS	530 A 40	41 Cr 4	SCr 440	2245	40Ch	F.1202-42 Cr 4	5140
I.7108	60SiCr7	60 SC 7	-	60 SiCr 8	-	-	-	F.1442-60 SiCr 8	9262
I.7131	16 MnCr 5	16 MC 4 16 MnCr 5	527 M 17 590 H 17 590 M 17	16 MnCr 5	-	2173	18ChG	F.1516-16 MnCr 5 F.1517-16 MnCr 5	5115

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1.7147	20MnCr5	20 MC 5	-	20 MnCr 5	SMnCr 420 H	-	18ChG	F.150.D	5120
1.7176	55Cr3	55 Cr 3 55 C 3	525 A 58 525 A 60 525 H 60	55 Cr 3	SUP 9 (A)	2253	50ChGA	F.1431-55 Cr 3	5155 5160
1.7218	25CrMo4	25 CD 4 25 CrMo 4	708 A 25	25 CrMo 4 (KB)	SCM 420 SCM 430 SCCrM 1	2225	20ChM 30ChM	F8372-AM 26 CrMo 4 F8330-AM 25 CrMo 4 F.1256-30 CrMo 4-I	4130
1.7220	34CrMo4	34 CrMo 4 35 CD 4	708 A 37	34 CrMo 4 KB 35 CrMo 4 35 CrMo 4 F	SCM 432 SCCrM 3 SCM 435 H	2234	AS38ChGM 35 ChM 35 ChML	F8331-AM 34 CrMo 4 F8231-34 CrMo 4 F.1250-35 CrMo 4 F.1254-35 CrMo 4 DF	4135 4137
1.7223	41CrMo4	42 CD 4TS	708 M 40 3111-5/I	41 CrMo 4	SCM 440	2244	40ChFA	F8332-AM 42 CrMo 4 F8232-42 CrMo 4 F.1252-40 CrMo 4	4140 4142
1.7225	42CrMo4	42 CD 4 42 CrMo4	708 A 42 708 M 40 709 M 40	38 CrMo 4 KB 42 CrMo 4 G 40 CrMo 4	SCM 440 (H) SNB 7	2244	-	F8332-AM 42CrMo 4 F8232-42 CrMo 4 F.1252-40 CrMo 4	4140 4142
1.7228	50CrMo4	50 CrMo 4	708 A 47	-	SCM 445 (H)	-	-	-	4150
1.7242	16CrMo4	-	-	18 CrMo 4	SCM 418 H	-	-	F.1550-18 CrMo 4	-
1.7262	15CrMo5	12 CD 4	-	-	SCM 415 (H)	-	-	F.1551-12 CrMo 4	-
1.7264	20CrMo5	18 CD 4	-	-	SCM 420 H SCM 421	-	-	F.1559-18 CrMo 4-I	-
1.7335	13CrMo4-5 13 CrMo4-4	15 CD 3.5 15 CD 4.05	1502-620-440; 1503-620-440 1502-620-470; 3606-620 1502-620-540 3604-620-440	14 CrMo 3 16 CrMo 3	SFVA F 12	2216	12ChM 15ChM	F2631-14 CrMo 45	A 182-F 11; F 12 A 387 Gr. 12 Cl. 2
1.7337	16 CrMo4-4	15 CD 4.5	-	18 CrMo 4 5KW; KG	-	2216	15ChM	-	A 387 Gr. 12Cl. 2
1.7361	32CrMo12	30 CD 12	722 M 24	32 CrMo 12	-	2240	-	F.124.A	-
1.7380	10CrMo9-10	12 CD 9-10 10 CD 9-10	3059-622-490 3606-622 1502-622; 3604-622	12CrMo 9 10; KW;KG G14 CrMo 9 10	SFVA F 22 A; B SCMV 4 SCPH 32-CF	2218	12Ch8	TU.H	A.182 F 22 A 387 Gr. 22. Cl. 2
1.7715	14 MoV6-3	-	1503-660-460; 3604-660	-	-	-	-	F.2621-13 MoCrV 6	-
1.8159	51 CrV4 50 CrV 4	51 CV 4 51 CrV 4; 50 CrV 4	735 A 51 735 H 51; 735 M 50	50 CrV 4	SUP 10	2230	50ChGFA 50ChFA	F.1430-51 CrV 4	6145 6150
1.8507	34CrAlMo5	30 CAD 6.12	-	34 CrAlMo 7	-	-	-	F.1741-34 CrAlMo 5	A 355 CLD
1.8509	41CrAlMo 7	40 CAD 6.12	905 M 39	41 CrAlMo 7	SACM 645	2940	38Ch2MjuA	F.1740-41 CrAlMo 7	A 355 Cl. A E 71400 G 71406
1.8515	31CrMo12	30 CD 12	722 M 24	30 CrMo 12 31 CrMo 12	-	2240	-	F.1712-31 CrMo 12	-
1.8523	39CrMoV13-9	-	897 M 39 3 S. 132	-	-	-	-	-	-
1.8902	S420N (StE 420)	FeE 420 KG N E 420 RIFP	-	FeE 420 KG; KW	SM 490 A;B;C;YA;YB	2143	16G2AF	AE 420 KG	A 633 Gr. E
1.8903	S460NL (TSStE 460)	E 460 FP	4360-55 EE	FeE 460 TD	-	-	-	AE 460 KT	-
1.8905	P460N (StE 460)	FeE 460 KG N E 460 RIFP	4360-55 F	FeE 460 KG; KW	SM 520 B	2143	18G2AF	AE 460 KG	A 633 Gr. E
1.8906	S460QL (TSStE 460V)	S 460 Q	4360-55 F	FeE 460 VKT	-	-	-	-	-



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Material translations

Translation table for international material standards
Stainless, acidproof and heat resistant steel

Table 8

Germany	France	U.K.	Italy	Japan	Sweden	Russia	Spain	U.S.
W.-NR. DIN	AFNOR	B.S.	UNI	JIS	SS	GOST	UNE	AISI/SAE
I.4000 X6Cr 13 I.4001 X7 Cr 14	Z 8 C 12 Z 8 C 13 FF	403 S 17	X 6 Cr 13	SUS 403 SUS 410 S SUS 429	2301	08 Ch 13	F3110-X 6 Cr 13 F8401-AM-X 12 Cr 13	403 410 S 429
I.4002 X6CrAl13 I.4005 X12CrS 13	Z8 CA 12 Z 11 CF 13	405 S17 416 S 21	X 6 CrAl 13 X12 CrS 13	SUS 405 SUS 416	- 2380	-	F3111-X 6 CrAl 13 F3411-X 12 CrS13	405 416
I.4006 X12Cr 13 X10 Cr 13 GX 12 Cr 13	Z 10 C 13	410 S 21 410 C 21 ANC 1A	X 12 Cr 13 X 10 Cr 13	SUS 410	2302	12 Ch 13 15 Ch 13 L	F3401-X 10 Cr 13	410 CA-15
I.4008 GX 8CrNi13/GX7CrNiMo12-1	Z 12 CN 13 M	410 C 21	GX 12 Cr 13	SCS 1	-	-	-	-
I.4016 X6 Cr 17	Z 8 C 17	430 S 17 430 S 18	X 8 Cr 17	SUS 430	2320	12 Ch 17	F3113-X 6 Cr 17	430
I.4021 X20Cr13 I.4024 X15Cr13	Z 20 C 13 Z 13 C 13	420 S 37 420 S 29	X 20 Cr 13 -	SUS 420 J 1 SUS 410 J 1	2303 -	20 Ch 13 -	F3402-X 20 Cr 13 F3415-X 15 Cr 13	420 -
I.4027 GX20Cr14	Z 20 C 13 M	ANC 1 B; C 420 C 24 420 C 29	-	SCS 2	-	20 Ch 13 L	-	-
I.4028 X30Cr13	Z 30 C 13 Z 33 C 13	420 S 45	(G) X 30 Cr 13	SUS 420 J 2	2304	30 Ch 13	F3403-X 30 Cr 13	420 F
I.4031 X39Cr13/X38Cr13 I.4034 X46Cr13	Z 40 C 14 Z 44 C 14 Z 38 C 13 M	- (420 S 45)	X 40 Cr 14 X 40 Cr 14	SUS 420 J 2 -	(2304) -	40 Ch 13 40 Ch 13	F3404-X 40 Cr 13 F3405-X 45 Cr 13	- -
I.4057 X17CrNi16-2 I.4104 X14CrMoS 17	Z 15 CN 16-02 Z 13 CF 17	431 S 29; 6 S.80 -	X 16 CrNi 16 X 10 CrS 17	SUS 431 SUS 430 F	2321 2383	20 Ch 17 N 2 -	F3427-X 19 CrNi 17 2 F3117-X 10 CrS 17 F3413-X 14 CrMoS 17	431 430 F
I.4113 X6CrMo17-1 I.4125 X105 CrMo 17	- Z 100 CD 17	434 S 17 -	X 8 CrMo17 -	SUS 434 SUS 440 C	- -	- (95 Ch 18)	F3116-X 6 CrMo 17 1 -	434 440 C
I.4301 X 5 CrNi 18 10 (X 4 CrNi 18-10)	Z 4 CN 19-10 FF Z 5 CN 17-08 Z 6 CN 18-09 Z 7 CN 18-09	304 S 11; 304 S 15 304 S 16 304 S 17; LW 21 LWCF 21 304 S 31	X 5CrNi 18 10	SUS 304	2332 2333	08 Ch 18Ni10	F3504-X 5 CrNi 18 10	304 304 H
I.4303 X 4 CrNi 18-12 (X 5 CrNi 18 12)	Z 5 CN 18-11 FF	305 S 17 305 S 19	X 7 CrNi 18 10 X 8 CrNi 19 10	SUS 305 J 1 SUS 305	-	06 Ch 18Ni 11	F3513-X 8 CrNi 18-12	305 308
I.4305 X 8 CrNiS 18-9 (X 10 CrNiS 18 9)	Z 8 CNF 18-09	303 S 22 303 S 31	X 10 CrNiS 18 09	SUS 303	2346	-	F3508-X10 CrNiS18-09	303
I.4306 X2CrNi 19-11 GX 2 CrNiN 18-9	Z 1 CN 18-12 Z2CN18-10;Z3CN19;10M Z3CN18-10;Z3CN19-11 Z3CN19-11 FF	304 S 11; LW 20 LWCF 20 S536 T74 304 C 12 (LT 196) 305 S 11	X 3 CrNi 18 11 X 2 CrNi 18 11 GX 2 CrNi 19 10	SCS 19 SUS 304 L	2352	03 Ch 18N 11	F3503-X2 CrNi 18 10	304 L
I.4308 GX5CrNi19-10/G-X6CrNi18 9	Z 6CN18;10 M	304 C 15(LT 196)	-	SCS 13	2323	07Ch18N9L	-	CF-8
I.4310 X 10 CrNi18-8 (X 12 CRNi17 7)	Z 11 CN 17-08 Z 11 CN 18-08 Z 12 CN 18-09	301 S 21 301 S 22	X 12 CrNi 17 07	SUS 301	2331	-	F3517-X12 CrNi 17 7	301
I.4311 X 2CrNiN 18-10	Z 3 CN 18-07 Az Z 3 CN 18-10 Az	304 S 61	X 2 CrNiN 18 11	SUS 304 LN	2371	-	F3541-X2CrNiN 18 10	304 LN
I.4312 GX 10 CrNi 18-8	Z 10 CN 18 9 M	302 C 25 ANC 3A	-	SCS 12 SCS 13A	-	10 Ch 18N9L	-	-
I.4313 X3CrNiMo13-4(X4 CrNi13 4) GX5 CrNi 13-4	Z4CND13;4M;Z6CN13-4 Z 8 CD 17-01	425 C 11 425 C 12	GX 6 CrNi 13 04	SCS 5 SCS 6	2384	-	-	- CA 6-NM
I.4319 X3CrNiN 17-8	-	301 S 26; 302 S 26	X 10 CrNi 18 09	SUS 302	-	-	F3507-X10 CrNi 18-09	302
I.4401 X5CrNiMo 17 12 2 (X4 CrNiMo 17-12-2)	Z 3CND 17-11-01 Z 6CND 17-11 Z 6CND 17-11-02 FF Z 7CND 17-11-02 Z 7CND 17-12-02	316 S 13 316 S 17 316 S 19 316 S 31 316 S 33	X 5 CrNiMo 17 12	SUS 316	2347	-	F3534-X5CrNiMo1712 2	316
I.4404 X2 CrNiMo 17-12-2 (X 2 CrNiMo 17 13 2) GX 2 CrNiMoN 18-10	Z 2CND 17-12 Z 2CND 18-13 Z 3CND 17-11-02 Z 3CND 17-12-02 FF Z 3CND 18-12-02 Z 3CND 18-12-03 Z 3CND 19;10 M	316 S 11 316 S 13 316 S 14 316 S 31;316 S 42 S537;316 C 12 T75 S161	X 2 CrNiMo 17 12 G-X 2 CrNiMo 19 11	SUS 316 L	2348	-	F3533-X2CrNiMo17 13 2 F3537-X2CrNiMo17 13 3	316 L
I.4406 X2CrNiMoN 17-11-2 (X2CrNiMoN 17 12 2)	Z 3CND 17-11 Az	316 S 61 316 S 63	X 2 CrNiMoN 17 12	SUS 316 LN	-	-	F3542-X2CrNiMoN 17 12 2	316 LN
I.4408 GX 5 CrNiMo 19-11-2 G-X 6 CrNiMo 18 10	-	316 C 16(LT 196) ANC 4 B	-	SCS 14	(2343)	07Ch18Ni10G2S2M2L	F8414-AM-X7CrNiMo 20 10	CF-8M
I.4429 X2CrNiMoN 17-13-3	Z 3CND 17-12 Az	316 S 63	X 2 CrNiMoN 1713	(SUS 316 LN)	2375	-	F3543-X2CrNiMoN17 13 3	316 LN
I.4435 X2CrNiMo 18-14-3	Z 3CND 17-12-03 Z 3CND 18-14-03	316 S 11; 316 S 13 316 S 14; 316 S 31 LW 22 LWCF 22	X 2 CrNiMo 17 13	SUS 316 L	2353	03Ch17Ni14M3	F3533-X2CrNiMo17132	316 L
I.4436 X 3CrNiMo 17-13-3 (X 5 CrNiMo 17 13 3)	Z 6CND 18-12-03 Z 7CND 18-12-03	316 S 19;316 S 31 316 S 33 LW 23 LWCF 23	X 5 CrNiMo 17 13 X 8 CrNiMo 17 13	SUS 316	2343	-	F3534-X5CrNiMo17 12 2 F3538-X5CrNiMo17 13 3	316
I.4438 X 2CrNiMo 18-15-4 (X 2CrNiMo 18 16 4)	Z 2CND 19-15-04 Z 3CND 19-15-04	317 S 12	X 2 CrNiMo 18 16	SUS 317 L	2367	-	F3539-X2CrNiMo18 16 4	317 L
I.4449 X 5CrNiMo 17 13 I.4460 X 3CrNiMoN 27-5-2 (X 4CrNiMoN 27 5 2)	- (Z 3CND 25-07 Az) Z 5CND 27-05 Az	317 S 16 -	X 5 CrNiMo 18 15 -	SUS 317 SUS 329 J1	- 2324	-	- F3309-X 8 CrNiMo 27-05 F3552-X 8 CrNiMo 26 6	317 329
I.4462 X 2CrNiMoN 22-5-3	Z 3CND 22-05 Az (Z 3CND 24-08 Az) (Z 3CND 25-06-03 Az)	318 S 13	-	SUS 329 J3L	2377	-	-	-
I.4510 X 3CrTi 17 (X 6CrTi 17)	Z 4 CT 17	-	X 6 CrTi 17	SUS 430 LX	-	08 Ch 17T	F3115-X 5 CrTi 17	XM 8 430 Ti 439
I.4511 X 3CrNb 17 (X6CrNb 17)	Z 4 CNb 17	-	X 6 CrNb 17	SUS 430 LX	-	-	F3122-X 5 CrNb 17	-

Material translations

Translation table for international material standards
Stainless, acidproof and heat resistant steel

Table 8

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W.-NR. DIN	AFNOR	B.S.	UNI	JIS	SS	GOST	UNE	AISI/SAE
1.4512 X 6 CrTi 12 (X 2 CrTi 12)	Z 3 CT 12	LWV 19 409 S 19	X 6 CrTi 12	SUH 409	-	-	-	409
1.4521 X 2 CrMoTi 18-2	-	-	-	SUS 444	2326	-	F3123-X 2CrMoTiNb 18 2	443 444
1.4539 X 1NiCrMoCuN 25-20-5	Z 2 NCDU 25-20	-	-	-	2562	-	-	UNS N 08904
1.4541 X 6 CrNiTi 18-10	Z 6 CNT 18-10	321 S 31 321 S 51 (1010;1105) LWV 24 LWCF 24	X 6 CrNiTi 18 11	SUS 321	2337	06 Ch 18Ni10T 08 Ch 18Ni10T 09 Ch 18Ni10T 12 Ch 18Ni10T	F3523-X 6 CrNiTi 18 10	321
1.4542 X 5 CrNiCuNb 16-4 (X 5 CrNiCuNb 17 4)	Z 7 CNU 15-05 Z 7 CNU 17 -04	-	-	SCS 24 SUS 630	-	-	-	630
1.4544 -	-	S. 524 S. 526	X 6 CrNiTi 18 11	-	-	08 Ch 18Ni12T	-	-
1.4546 X 5 CrNiNb 18-10	-	347 S 31 2 S. 130 2 S. 143/144/145 S.525/527	X 6 CrNiNb 18 11	-	-	-	-	348
1.4550 X 6 CrNiNb 18-10	Z 6 CrNiNb 18-10	347 S 20 347 S 31 347 S 51 ANC 3 B	X 6 CrNiNb 18 11 X 8 CrNiNb 18 11	SUS 347	2338	08 Ch 18Ni12B	F3524-X 6 CrNiNb 18 10	347 348
1.4552 GX5CrNiNb19-11(G-X5CrNiNb 18 9)	Z 6 CrNiNb 18.10 M	347 C 17	-	SCS 21	-	-	-	-
1.4568 X7CrNiAl 17-7	Z 9 CNA 17-07	301 S 81	-	-	2388	09 Ch 17Ni7J1	-	-
1.4571 X6CrNiMoTi 17-12-2	Z 6 CNDT 17-12	320 S 18 320 S 31	X 6 CrNiMoTi 17 12	SUS 316 Ti	2350	10 Ch 17Ni13M2T	F3535-X 6 CrNiMoTi 17 12 2	316 Ti
1.4573 X10CrNiMoTi 18 12	-	320 S 33	X 6 CrNiMoTi 17 13	SUS 316 Ti	-	10 Ch 17Ni13M3T 08 Ch 17Ni13M2T	F3535-X 6 CrNiMoTi 17 12 2	316 Ti
1.4580 X6CrNiMoNb 17-12-2	Z 6 CNDNb 17-12	318 S 17	X 6 CrNiMoNb 17 12	-	-	08 Ch 16Ni13M2B	F3536-X 6 CrNiMoNb 17 12 2	(316 Cb)
1.4581 GX 5 CrNiMoNb 19-11-2 (G-X 5 CrNiMoNb 18 10)	Z 4 CNDNb 18.12 M	318 C17 ANC 4 C	GX 6 CrNiMoNb 20 11	SCS 22	-	-	-	-
1.4583 X 10CrNiMoNb 18-12	-	-	X 6 CrNiMoNb 17 13	-	-	-	-	318
1.4718 X 45 CrSi9-3	Z 45 CS 9	401 S 45	X 45 CrSi 8	SUH 1	-	40 Ch9 S 2	F3220-X 4 CrSi9-09-03	HNW 3
1.4724 X 10CrAl13/X10CrAlSi13	Z 13 C 13	-	X 10 CrAl 12	-	-	10 Ch13SJu	F3152-X 10CrAl13	-
1.4731 X 40CrSiMo10-2	Z 40 CSD 10	-	-	SUH 3	-	40 Ch10S2M	F3221-X 40CrSiMo 10-02	-
1.4742 X 10CrAl18/X10CrAlSi18	Z 12 CAS 18	-	(X 8 Cr 17)	SUH 21	-	15 Ch18SJu	F3153-X 10CrAl 18	-
1.4747 X 80 CrNiSi 20	Z 80 CNS 20-02	443 S 65	X 80 CrSiNi 20	SUH 4	-	-	F3222- X 80CrSiNi 20-02	HNW 6
1.4762 X 10CrAl24/X10CrAlSi25	Z 12 CAS 25	-	(X 16 Cr 26)	(SUH 446)	(2322)	-	F3154-X 10CrAl 24	(446)
1.4828 X 15CrNiSi 20-12	Z 9 CN 24-13 Z17 CNS 20-12	309 S 24	X 16 CrNi 23 14	SUH 309	-	20Ch20Ni14S2	F3312-X 15 CrNiSi 20-12	309
1.4833 X 12 CrNi24-12 X 12 CrNi23-13 X 7 CrNi23-14	Z 15 CN 23-13 Z 15 CN 24-13 Z 20 CN 24-13	-	X 6 CrNi 23 14	SUS 309 S	-	-	-	309 S
1.4837 GX 40 CrNiSi 25-12	-	309 C 30	GX 35 CrNi 25 12	SCH 13 A SCH 17 SCS 17	-	40 Ch24Ni12SL	-	-
1.4841 X 15 CrNiSi 25-20 X 15 CrNiSi 25-21	Z 15 CNS 25-20 Z 15 CNS 25-20	314 S 25	X 16 CrNiSi 25 20	SUH 310	-	20 Ch25N20 S2	F3310-X 15 CrNiSi 25-20	314 310
1.4842 X 12 CrNi 25-20	Z 12 CN 26-21	-	(X 6 CrNi 25 20)	SUS 310 S	2361	-	-	310 S
1.4845 X 12 CrNi 25-21 X 8 CrNi 25-21	Z 8 CN 25-20 Z 12 CN 25-20 Z 12 CN 26-21	310 S 16 310 S 24 310 S 25 310 S 31	X 6 CrNi 25 21 (X 6 CrNi 25 20)	SUH 310 SUS 310 S	2361	20 Ch23Ni18	-	310 S
1.4848 GX 40 CrNiSi 25-20	-	310 C 40 310 C 45	GX 40 CrNi 26 20	SCH 21 SCH 22	-	-	F8452-AM-X 40 CrNi 25 20	HK
1.4864 X 12 NiCrSi36-16/X12NiCrSi 35-16	Z 20 NCS 33-16	NA 17	-	SUH 330	-	-	F3313-X 12 CrNiSi 36-16	330
1.4865 GX 40NiCrSi 38-18	-	330 C 11 330 C 40 331 C 40	GX 50 NiCr 39 19	SCH 15 SCH 16	-	-	-	-
1.4871 X 53 CrMnNiN 21-9	Z 53 CMNS 21-09 Az Z 53 CMN 21-09 Az	349 S 54	X 53 CrMnNiN 21 9	SUH 35 SUH 36	-	55 Ch20G9AN4	F3217-X 53 CrMnNiN 21-09	EV 8
1.4873 X 45 CrNiW 18-9	Z 35 CNWS 14-14 Z 45 CNW 18-09	-	X 45 CrNiW 18 9	SUH 31	-	-	F3211-X 45 CrNiW 18-09	-
1.4876 X 10 NiCrAlTi 32-20 X 10 NiCrAlTi 32-21	Z 8 NC 33-21 Z 10 NC 32-21	NA 15 (H)	-	NCF 800 (TP)	-	-	F3545-X 9 NiCr 33-21 F3314-X 10NiCrAlTi 32-20	B 163
1.4878 X 12 CrNiTi18-9/X 10CrNiTi18-10	Z 6 CNT 18-10	321 S 51	(X 6 CrNiTi 18.11)	SUS 321	(2337)	-	-	321
1.4922 X 20 CrMoV 12-1	-	-	X 20 CrMoNi 12 01	-	2317	-	-	-
1.4944 -	Z 6 NCTDV 25-15 B	HR 51	-	-	-	-	-	660



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