
APPENDIX E6

INTERNATIONAL PIPING MATERIAL SPECIFICATIONS

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This appendix lists material specifications of different countries. It includes correlating specifications for different piping materials, grades, classes, types, and other categories. Since each country's specifications are unique, no two specifications are identical. The equivalency determination of material produced to one specification to material produced to another specification will vary based upon the criteria utilized. Therefore this table provides only a cross-reference and does not consider which specifications are equivalent.

TABLE E6.1 International Piping Materials Cross-Reference

American				British			German		
Nominal composition	Spec	Grade	Type or class	BS number	BS grade	Process	DIN type	DIN number	Material number
Carbon steels									
Seamless pipe and tube									
C	A 53	A	S	3601	360		St 35	1629	1.0308
C-Mn	A 53	B	S	3601	430		St 45	1629	1.0408
C-Si	A 106	A		3602	360	HFS	St 35.8	17175	1.0305
C-Si	A 106	B		3602	430	HFS	St 45.8	17175	1.0405
C-Si	A 106	C					17 Mn 4	17175	
C	A 179			3606	320	CFS	St 35.4	1629	1.0309
							St 35.8	17175	1.0305
C-Si	A 192			3059	320		St 45.8	17175	1.0305
C-Si	A 210	A1		3059	320			17175	1.0405
C-Mn-Si	A 210	C					TT St 41N		
C-Mn	A 333	1					TT St 45N		1.0437
C-Mn-Si	A 333	6		3603	410	HFS			1.0456
C-Si	A 369	FPA							
C-Mn	A 369	FPB							
C	API-5L	A		3601	360				
C-Mn	API-5L	B		3601	430				
Furnace butt-welded pipe									
C	A 53		F						
C	API-5L	A25	I & II	1387					
Electric resistance welded pipe & tube									
C	A 53	A	E	3601	320		St 35	1629	
C-Mn	A 53	B	E	3601	410		St 45	1629	
C	A 135	A							
C-Mn	A 135	B							
C	A 178	A		3059	320	ERW	St 37.8	17177	1.0315
C	A 178	C					St 42.8	17177	1.0498
C	A 214			3606	30	ERW	St 37.2	1626	1.0036
C-Si	A 226								
C-Mn	A 333	1					TT St 35N		1.0437
C-Mn-Si	A 333	6		3603	410	HFS	TT St 44N		1.5637
C	API-5L	A25	I & II	1387			St 33	1626	
C	API-5L	A		3601	360		St 34.7	17172	
C-Mn	API-5L	B		3601	410		St 38.7	17172	
C	A 587	C							
Electric fusion welded pipe-filler metal added									
C	A 134	A283A		3602	410	SAW			
C	A 134	A283B							
C	A 134	A283C							
C	A 134	A283D							
C	A 134	A285A							
C	A 134	A285B							
C	A 134	A285C							
C	A 139	A							
C-Mn	A 139	B		3602	410	SAW			
C	API-5L	A		3601	360		St 34.7	17172	
C-Mn	API-5L	B		3601	410		St 38.7	17172	
C	A 211	A570-30							
C	A 211	A570-33							
C	A 211	A570-340							
C-Mn-Si	A 671	CD70							
C-Mn-Si	A 671	CD80							
C	A 672	A45					HI	1626	
C	A 672	A50					HI	1626	

Belgian		French		Italian		Japanese	
NBN type	NBN number	AFNOR type	NF number	UNI type	UNI number	JIS symbol	JIS number
E 37.2	630			Fe 35-1	663	STPG 370	G3454
E 42.2	630					STPG 410	G3454
D 37.2	629	TU 37C	A49-213	C 14	5462	STPT 370	G3456
D 42.2	629	TU 42C	A49-213	C 18	5462	STPT 410	G3456
						STPT 480	G3456
D 37.2	629	TU 37C	A49-215	C 14	5462	STB 340	G3461
D45	837	TU 37C	A49-213	C 14	5462	STB 340	G3461
D45	837	TU 42C	A49-213	C 18	5462	STB 410	G3461
		TU 42 BT	A49-230	C 15	5949	STPL 380	G3460
		TU 42 BT	A49-230	C 20	5949	STPL 690	G3460
D37.1	629	TS 34e	A49-245			STB 340	G3461
						STB 410	G3461
						STB 340	G3461
		TU 42 BT	A49-230	C 15	5949	STPL 380	G3460
		TU 42 BT	A49-230	C 20	5949	STPL 690	G3460
						STPY 400	G3457
						STPY 400	G3457
						STPY 400	G3457
						STPY 400	G3457
						STPY 400	G3457
						STPY 400	G3457
						STPY 400	G3457

TABLE E6.1 International Piping Materials Cross-Reference (*Continued*)

American				British			German		
Nominal composition	Spec	Grade	Type or class	BS number	BS grade	Process	DIN type	DIN number	Material number
C	A 672	A55					HI	1626	
C	A 672	B55							
C	A 672	B60							
C	A 672	B65					HI II	1626	
C	A 672	B70					17Mn 4	1626	
C	A 672	C55							
C	A 672	C60							
C	A 672	C65							
C	A 672	C70							
C-Mn-Si	A 672	D70							
C-Mn-Si	A 672	D80							
C-Mn-Si	A 672	N75							
C-Mn-Si	A 691	CMSH70							
C-Mn-Si	A 691	CMSH80							
C-Mn-Si	A 691	CMS75							
Low & intermediate alloy steels									
Seamless pipe and tube									
5Cr-½Mo	A 199	T5		3606	625	CFS	12 Cr Mo 19 5		1.7362
9Cr-1Mo	A 199	T9							
1¼Cr-½Mo	A 199	T11		3606	621	CFS	13 Cr Mo 44	17175	1.7335
3Cr-1Mo	A 199	T21							
2¼Cr-1Mo	A 199	T22		3606	622	CFS	10 Cr Mo 9 10	17175	1.7380
½Cr-½Mo	A 213	T2							
2Cr-½Mo	A 213	T3b							
5Cr-½Mo	A 213	T5		3606	625		12 Cr Mo 19 5		1.7362
5Cr-½Mo-1½Si	A 213	T5b							
5Cr-½Mo-Ti	A 213	T5c							
9Cr-1Mo	A 213	T9							
1¼Cr-½Mo	A 213	T11		3606	621		13 Cr Mo 44	17175	1.7335
1Cr-½Mo	A 213	T12		3606	620		13 Cr Mo 44	17175	1.7335
3Cr-1Mo	A 213	T21							
2¼Cr-1Mo	A 213	T22		3606	622		10 Cr Mo 9 10	17175	1.7380
9Cr-1Mo-V	A 213	T91							
3½Ni	A 333	3		3603	503	HFS	10 Ni 14		1.5637
Ni-Cr-Cu-Al	A 333	4							
2½Ni	A 333	7							
2Ni-1Cu	A 333	9							
C-½Mo	A 335	P1					16 Mo 5		1.5423
½Cr-½Mo	A 335	P2							
5Cr-½Mo	A 335	P5		3604	625	HFS	12 Cr Mo 19 5		1.7362
5Cr-½Mo-1½Si	A 335	P5b							
5Cr-½Mo-Ti	A 335	P5c							
9Cr-1Mo	A 335	P9			629	HFS			
1¼Cr-½Mo-Si	A 335	P11		3604	621	HFS	13 Cr Mo 44	17175	1.7335
1Cr-½Mo	A 335	P12		3604	620	HFS	13 Cr Mo 44	17175	1.7335
3Cr-1Mo	A 335	P21							
2¼Cr-1Mo	A 335	P22		3604	622	HFS	10 Cr Mo 9 10	17175	1.7380
9Cr-1Mo-V	A 335	P91							
C-½Mo	A 369	FP1							
½Cr-½Mo	A 369	FP2							
2Cr-½Mo	A 369	FP3b							
5Cr-½Mo	A 369	FP5							
9Cr-1Mo	A 369	FP9							
1¼Cr-½Mo-Si	A 369	FP11							
1Cr-½Mo	A 369	FP12							
3Cr-1Mo	A 369	FP21							
2¼Cr-1Mo	A 369	FP22							
2Ni-1Cu	A 714	V							

Belgian		French		Italian		Japanese	
NBN type	NBN number	AFNOR type	NF number	UNI type	UNI number	JIS symbol	JIS number
X 12 Cr Mo 5	837	Z 12 CD 5.05				STBA25	G3462
		10 CD 5.05				STBA26	G3462
						STBA23	G3462
10 CrMo 9 10	837	10 CD 9.10		12 Cr Mo 9 10	5462	STBA24	G3462
						STBA20	G3462
		TU Z 12 CD 5.05	A49-213			STBA25	G3462
		TU 10 CD 5.05				STBA26	G3462
						STBA23	G3462
						STBA22	G3462
		TU 10 CD 9.10		12 Cr Mo 9 10	5462	STBA24	G3462
		TU 16 N 14	A49-230	18 Ni 14	5949	STPL450	G3460
		TU 15 D 3	A49-213	16 Mo 5	5462	STPA12	G3458
						STPA20	G3458
		TU Z 12 CD 5.05	A49-213			STPA25	G3458
		TU Z 10 CD 9	A49-213			STPA26	G3458
		TU 10 CD 5.05	A49-213	14 Cr Mo 3	5462	STPA23	G3458
						STPA22	G3458
		TU 10 CD 9.10	A49-213	12 Cr Mo 910	5462	STPA24	G3458

TABLE E6.1 International Piping Materials Cross-Reference (*Continued*)

American				British			German		
Nominal composition	Spec	Grade	Type or class	BS number	BS grade	Process	DIN type	DIN number	Material number
Centrifugally cast pipe									
C-½Mo	A 426	CP1							
½Cr-½Mo	A 426	CP2							
5Cr-½Mo	A 426	CP5							
5Cr-½Mo-Si	A 426	CP5B							
9Cr-1Mo	A 426	CP9							
1¼Cr-½Mo	A 426	CP11							
1Cr-½Mo	A 426	CP12					GS-17 CrMo55	17245	1.7357
3Cr-1Mo	A 426	CP21							
2¼Cr-1Mo	A 426	CP22					CS-18 CrMo9.10		1.7379
Electric resistance welded pipe									
3½Ni	A333	3		3603	503	HFS	10 Ni 14		1.5637
2½Ni	A333	7							
2Ni	A333	9							
2Ni-Cu	A714	V	E						
Electric fusion welded pipe-filler metal added									
C-½Mo	A 672	L65	20,23,30,33,40,43						
C-½Mo	A 672	L70	20,23,30,33,40,43						
C-½Mo	A 672	L75	20,23,30,33,40,43						
C-½Mo	A 691	CM65	20,23,30,33,40,43						
C-½Mo	A 691	CM70	20,23,30,33,40,43						
C-½Mo	A 691	CM75	20,23,30,33,40,43						
½Cr-½Mo	A 691	½Cr	20,23						
1Cr-½Mo	A 691	1Cr	20,23						
1¼Cr-½Mo-Si	A 691	1¼Cr	20,23						
2¼Cr-1Mo	A 691	2¼Cr	20,23						
3Cr-1Mo	A 691	3Cr	20,23						
5Cr-½Mo	A 691	5Cr	20,23						
Stainless Steels									
Seamless pipe and tube									
Austenitic									
18Cr-8Ni	A 213	TP304		3606	304S25		X 5 CrNi 18 9	17440	1.4301
18Cr-8Ni	A 213	TP304H							
18Cr-8Ni	A 213	TP304L		3606	304S22		X 2 CrNi 18 9	17440	1.4306
18Cr-8Ni-N	A 213	TP304N							
23Cr-12Ni	A 213	TP309H							
25Cr-20Ni	A 213	TP310H							
16Cr-12Ni-2Mo	A 213	TP316		3606	316S30		X 5 CrNiMo 18 10	17440	1.4401
16Cr-12Ni-2Mo	A 213	TP316H							
16Cr-12Ni-2Mo	A 213	TP316L		3606	316S29		X 2 CrNiMo 18 10	17440	1.4404
16Cr-12Ni-2Mo-N	A 213	TP316N							
18Cr-10Ni-Ti	A 213	TP321		3606	321S22		X 10 CrNiTi 18 9	17440	1.4541
18Cr-10Ni-Ti	A 213	TP321H							
18Cr-10Ni-Cb	A 213	TP347		3606	347S17		X 10 CrNiNb 18 9	17440	1.4550
18Cr-10Ni-Cb	A 213	TP347H							
18Cr-10Ni-Cb	A 213	TP348							
18Cr-10Ni-Cb	A 213	TP348H							
18Cr-8Ni	A 312	TP304		3605	316S18		X 5 CrNi 18 9	17440	1.4301
18Cr-8Ni	A 312	TP304H		3605	316S59				
18Cr-8Ni	A 312	TP304L		3605	316S14		X 2 CrNi 18 9	17440	1.4306
18Cr-8Ni-N	A 312	TP304N							
23Cr-12Ni	A 312	TP309H							
25Cr-20Ni	A 312	TP310H							

Belgian		French		Italian		Japanese	
NBN type	NBN number	AFNOR type	NF number	UNI type	UNI number	JIS symbol	JIS number
						SCPH-11CF	G5202
						SCPH-21CF	G5202
						SCPH-32CF	G5202
		TU 16 N 14	A49-230	18 Ni 14	5949	STPL450	G3460
		Z 6 CN 18-09	A49-218	X 5 Cr Ni 18 10	6904	SUS304TB	G3463
		Z 2 CN 18-09	A49-218	X 2 Cr Ni 18 11	6904	SUS304HTB	G3463
						SUS304LTB	G3463
		Z 6 CND 17-12	A49-218	X 5 Cr Ni Mo 17 12	6904	SUS316TB	G3463
		Z 2 CND 17-13	A49-218	X 2 Cr Ni Mo 17 12	6904	SUS316HTB	G3463
						SUS316LTB	G3463
		Z 6 CNT 18-11	A49-218	X 6 Cr Ni Ti 18 11	6904	SUS321TB	G3463
		Z 6 CNNb 18-11	A49-218	X 6 Cr Ni Nb 18 11	6904	SUS347TB	G3463
						SUS347HTB	G3463
		TU Z 6 CN 19-10	A49-230	X 5 Cr Ni 18 10	6904	SUS304TP	G3459
		TU Z 6 CN 19-10	A49-214	X 8 Cr Ni 19 10	6904	SUS304HTP	G3459
		TU Z 2 CN 19-11	A49-230	X 2 Cr Ni 18 11	6904	SUS304LTP	G3459

TABLE E6.1 International Piping Materials Cross-Reference (*Continued*)

American			British			German			
Nominal composition	Spec	Grade	Type or class	BS number	BS grade	Process	DIN type	DIN number	Material number
16Cr-12Ni-2Mo	A 312	TP316		3605	316S18		X 5 CrNiMo 18 10	17440	1.4401
16Cr-12Ni-2Mo	A 312	TP316H		3605	316S59				
16Cr-12Ni-2Mo	A 312	TP316L		3605	316S14		X 2 CrNiMo 18 10	17440	1.4404
16Cr-12Ni-2Mo-N	A 312	TP316N							
18Cr-13Ni-3Mo	A 312	TP317							
18Cr-10Ni-Ti	A 312	TP321		3605	321S18		X 10 CrNiTi 18 9	17440	1.4541
18Cr-10Ni-Ti	A 312	TP321H							
18Cr-10Ni-Cb	A 312	TP347		3605	347S18		X 10 CrNiNb 18 9		1.4543
18Cr-10Ni-Cb	A 312	TP347H							
18Cr-10Ni-Cb	A 312	TP348							
18Cr-10Ni-Cb	A 312	TP348H							
18Cr-18Ni-2Si	A 312	TPXM15							
22Cr-13Ni-5Mn	A 312	TPXM19							
20Cr-18Ni-6Mo	A 312	...							
18Cr-8Ni	A 376	TP304							
18Cr-8Ni	A 376	TP304H							
18Cr-8Ni-N	A 376	TP304N							
16Cr-12Ni-2Mo	A 376	TP316							
16Cr-12Ni-2Mo	A 376	TP316H							
16Cr-12Ni-2Mo-N	A 376	TP316N							
18Cr-10Ni-Ti	A 376	TP321							
18Cr-10Ni-Ti	A 376	TP321H							
18Cr-10Ni-Cb	A 376	TP347							
18Cr-10Ni-Cb	A 376	TP347H							
18Cr-10Ni-Cb	A 376	TP348							
18Cr-8Ni	A 430	FP304							
18Cr-8Ni	A 430	FP304H							
18Cr-8Ni-N	A 430	FP304N							
16Cr-12Ni-2Mo	A 430	FP316							
16Cr-12Ni-2Mo	A 430	FP316H							
16Cr-12Ni-2Mo-N	A 430	FP316N							
18Cr-10Ni-Ti	A 430	FP321							
18Cr-10Ni-Ti	A 430	FP321H							
18Cr-10Ni-Cb	A 430	FP347							
18Cr-10Ni-Cb	A 430	FP347H							
Ferritic/martensitic									
12Cr-Al	A 268	TP405					X 7 CrAl	17440	1.4002
13Cr	A 268	TP410					X 10 Cr 13	17440	1.4006
15Cr	A 268	TP429							
17Cr	A 268	TP430							
26Cr-1Mo	A 268	TPXM27							
27Cr	A 268	TP446-1							
27Cr-1Mo-Ti	A 268	TPXM33							
27Cr-1Mo	A 731	TPXM27							
27Cr-1Mo-Ti	A 731	TPXM33							
Centrifugally cast pipe									
Austenitic									
18Cr-8Ni	A 451	CPF8		4534			G-X 6 CrNi 18 9	17445	1.4308
18Cr-10Ni-Cb	A 451	CPF8C					G-X 7 CrNiNb 18 9	17445	1.4552
18Cr-9Ni-2Mo	A 451	CPF8M		4534			G-X 6 CrNiMo 18 9	17445	1.4408
25Cr-12Ni	A 451	CPH8							
25Cr-12Ni	A 451	CPH10							
25Cr-12Ni	A 451	CPH20							
25Cr-20Ni	A 451	CPK20		4534			G-X 15 CrNi 25 20		1.4840
18Cr-8Ni	A 452	TP304H							
16Cr-12Ni-2Mo	A 452	TP316H							
18Cr-10Ni-Cb	A 452	TP347H							

Belgian		French		Italian		Japanese	
NBN type	NBN number	AFNOR type	NF number	UNI type	UNI number	JIS symbol	JIS number
		Z 6 CND 17-11 TU Z 6 CND 17-12 TU Z 2 CND 17-12	A35-573 A49-230 A49-230	X 5 Cr Ni Mo 17 12 X 8 Cr Ni Nb 17 12 X 2 Cr Ni Nb 17 12	6904 6904 6904	SUS316TP SUS316HTP SUS316LTP	G3459 G3459 G3459
		Z 6 CNT 18-11 Z 6 CNNb 18-11	A49-230 A35-573	X 6 Cr Ni Ti 18 11 X 6 Cr Ni Nb 18 11 X 6 Cr Ni Nb 18 11	6904 6904 6904	SUS321TP SUS321HTP SUS347TP SUS347HTP	G3459 G3459 G3459 G3459
						SUS405TB	G3463

TABLE E6.1 International Piping Materials Cross-Reference (*Continued*)

American				British			German		
Nominal composition	Spec	Grade	Type or class	BS number	BS grade	Process	DIN type	DIN number	Material number
Welded pipe and tube- Without filler metal									
Austenitic									
18Cr-8Ni	A 249	TP304							
18Cr-8Ni	A 249	TP304H							
18Cr-8Ni	A 249	TP304L							
18Cr-8Ni-N	A 249	TO304N							
23Cr-12Ni	A 249	TP309H							
16Cr-12Ni-2Mo	A 249	TP316							
16Cr-12Ni-2Mo	A 249	TP316H							
16Cr-12Ni-2Mo	A 249	TP316L							
16Cr-12Ni-2Mo-N	A 249	TP316N							
19Cr-13Ni-3Mo	A 249	TP317							
18Cr-10Ni-Ti	A 249	TP321							
18Cr-10Ni-Ti	A 249	TP321H							
18Cr-10Ni-Cb	A 249	TP347							
18Cr-10Ni-Cb	A 249	TP347H							
18Cr-10Ni-Cb	A 249	TP348							
18Cr-10Ni-Cb	A 249	TP348H							
20Cr-18Ni-6Mo	A 249	...							
18Cr-8Ni	A 312	TP304		3605	304S18		X 5 CrNi 18 9	17440	1.4301
18Cr-8Ni	A 312	TP304H		3605	394S59				
18Cr-8Ni	A 312	TP304L		3605	304S14		X 2 CrNi 18 9	17440	1.4306
18Cr-8Ni-N	A 312	TP304N							
23Cr-12Ni	A 312	TP309H							
25Cr-20Ni	A 312	TP310H							
16Cr-12Ni-2Mo	A 312	TP316		3605	316S18		X 5 CrNiMo 18 10	17440	1.4401
16Cr-12Ni-2Mo	A 312	TP316H		3605	316S59				
16Cr-12Ni-2Mo	A 312	TP316L		3605	316S14		X 2 CrNiMo 18 10	17440	1.4404
16Cr-12Ni-2Mo-N	A 312	TP316N							
19Cr-13Ni-3Mo	A 312	TP317							
18Cr-10Ni-Ti	A 312	TP321		3605	321S18		X 10 CrNiTi 18 9	17440	1.4541
18Cr-10Ni-Ti	A 312	TP321H							
18Cr-10Ni-Cb	A 312	TP347		3605	347S18		X 10 CrNiNb 18 9		1.4543
18Cr-10Ni-Cb	A 312	TP347H							
18Cr-10Ni-Cb	A 312	TP348							
18Cr-10Ni-Cb	A 312	TP348H							
18Cr-18Ni-2Si	A 312	TPXM15							
20Cr-18Ni-6Mo	A 312	...							
Ferritic/Martensitic									
12Cr-Al	A 268	TP405					X 7 CrAl	17440	1.4002
13Cr	A 268	TP410					X 10 Cr 13	17440	1.4006
15Cr	A 268	TP429							
17Cr	A 268	TP430							
27Cr	A 268	TP446-1							
26Cr-1Mo	A 268	TPXM27							
27Cr-1Mo-Ti	A 268	TPXM33							
27Cr-1Mo	A 731	TPXM27							
27Cr-1Mo-Ti	A 731	TPXM33							
Welded pipe-filler metal									
Added austenitic									
18Cr-8Ni	A 358	304	1	3605	304S25		X 5 CrNi 18 9	17440	1.4301
18Cr-8Ni	A 358	304	2	3605	304S25		X 5 CrNi 18 9	17440	1.4301
18Cr-8Ni	A 358	304	3	3605	304S25		X 5 CrNi 18 9	17440	1.4301
18Cr-8Ni	A 358	304L	1						
18Cr-8Ni	A 358	304L	2						
18Cr-8Ni	A 358	304L	3						

Belgian		French		Italian		Japanese	
NBN type	NBN number	AFNOR type	NF number	UNI type	UNI number	JIS symbol	JIS number
		TU Z 6 CN 19-10	A49-230	X 5 Cr Ni 18 10	6904	SUS304TP	G3459
		TU Z 6 CN 19-10	A49-214	X 8 Cr Ni 19 10	6904	SUS304HTP	G3459
		TU Z 2 CN 19-11	A49-230	X 2 Cr Ni 18 11	6904	SUS304LTP	G3459
		Z 6 CND 17-11	A35-573	X 5 Cr Ni Mo 17 12	6904	SUS316TP	G3459
		TU Z 6 CND 17-12	A49-230	X 8 Cr Ni Nb 17 12	6904	SUS316HTP	G3459
		TU Z 2 CND 17-12	A49-230	X 2 Cr Ni Nb 17 12	6904	SUS316LTP	G3459
		Z 6 CNT 18-11	A49-230	X 6 Cr Ni Ti 18 11	6904	SUS321TP	G3459
		Z 6 CNNb 18-11	A35-573	X 6 Cr Ni Nb 18 11	6904	SUS321HTP	G3459
				X 6 Cr Ni Nb 18 11	6904	SUS347TP	G3459
						SUS405TB	G3463
		Z 6 CN 18,09	A36-209	X 6 Cr Ni 18 10	8317	SUS304 TPY	G3468
		Z 6 CN 18,09	A36-209	X 6 Cr Ni 18 10	8317	SUS304 TPY	G3468
		Z 6 CN 18,09	A36-209	X 6 Cr Ni 18 10	8317	SUS304 TPY	G3468

TABLE E6.1 International Piping Materials Cross-Reference (*Continued*)

American				British			German		
Nominal composition	Spec	Grade	Type or class	BS number	BS grade	Process	DIN type	DIN number	Material number
18Cr-8Ni-N	A 358	304N	1						
18Cr-8Ni-N	A 358	304N	2						
18Cr-8Ni-N	A 358	304N	3						
23Cr-12Ni	A 358	309	1						
23Cr-12Ni	A 358	309	2						
23Cr-12Ni	A 358	309	3						
25Cr-20Ni	A 358	310	1				X 12 CrNi 25 21		1.4845
25Cr-20Ni	A 358	310	2				X 12 CrNi 25 21		1.4845
25Cr-20Ni	A 358	310	3				X 12 CrNi 25 21		1.4845
16Cr-12Ni-2Mo	A 358	316	1	3605	316S26		X 5 CrNiMo 18 10	17440	1.4401
16Cr-12Ni-2Mo	A 358	316	2	3605	316S26		X 5 CrNiMo 18 10	17440	1.4401
16Cr-12Ni-2Mo	A 358	316	3	3605	316S26		X 5 CrNiMo 18 10	17440	1.4401
16Cr-12Ni-2Mo	A 358	316L	1						
16Cr-12Ni-2Mo	A 358	316L	2						
16Cr-12Ni-2Mo	A 358	316L	3						
16Cr-12Ni-2Mo-N	A 358	316N	1						
16Cr-12Ni-2Mo-N	A 358	316N	2						
16Cr-12Ni-2Mo-N	A 358	316N	3						
18Cr-10Ni-Ti	A 358	321	1	3605	321S22		X 10 CrNiTi 18 9	17440	1.4541
18Cr-10Ni-Ti	A 358	321	2	3605	321S22		X 10 CrNiTi 18 9	17440	1.4541
18Cr-10Ni-Ti	A 358	321	3	3605	321S22		X 10 CrNiTi 18 9	17440	1.4541
18Cr-10Ni-Cb	A 358	347	1	3605	347S17		X 10 CrNiNb 18 9	17440	1.4550
18Cr-10Ni-Cb	A 358	347	2	3605	347S17		X 10 CrNiNb 18 9	17440	1.4550
18Cr-10Ni-Cb	A 358	347	3	3605	347S17		X 10 CrNiNb 18 9	17440	1.4550
18Cr-10Ni-Cb	A 358	348	1						
18Cr-10Ni-Cb	A 358	348	2						
18Cr-10Ni-Cb	A 358	348	3						
20Cr-18Ni-6Mo	A 358	...	1						
20Cr-18Ni-6Mo	A 358	...	2						
20Cr-18Ni-6Mo	A 358	...	3						

Belgian		French		Italian		Japanese	
NBN type	NBN number	AFNOR type	NF number	UNI type	UNI number	JIS symbol	JIS number
			A36-209	X 22 Cr Ni 25 20	5900	SUS310S TPY	G3468
			A36-209	X 22 Cr Ni 25 20	5900	SUS310S TPY	G3468
			A36-209	X 22 Cr Ni 25 20	5900	SUS310S TPY	G3468
		Z 6 CND 17.11	A36-209	X 6 Cr Ni Mo 17 12 2	8317	SUS316 TPY	G3468
		Z 6 CND 17.11	A36-209	X 6 Cr Ni Mo 17 12 2	8317	SUS316 TPY	G3468
		Z 6 CND 17.11	A36-209	X 6 Cr Ni Mo 17 12 2	8317	SUS316 TPY	G3468
		Z 6 CNT 18.10	A36-209	X 6 Cr Ni Ti 18 10	8317	SUS321 TPY	G3468
		Z 6 CNT 18.10	A36-209	X 6 Cr Ni Ti 18 10	8317	SUS321 TPY	G3468
		Z 6 CNT 18.10	A36-209	X 6 Cr Ni Ti 18 10	8317	SUS321 TPY	G3468
		Z 6 CnNb 18.10	A36-209	X 6 Cr Ni Nb 18 10	8317	SUS347 TPY	G3468
		Z 6 CnNb 18.10	A36-209	X 6 Cr Ni Nb 18 10	8317	SUS347 TPY	G3468
		Z 6 CnNb 18.10	A36-209	X 6 Cr Ni Nb 18 10	8317	SUS347 TPY	G3468