

# MATERIAL SPECIFICATIONS SHEET

IDENTIFICATION SYMBOL	UNS#	BAR	FORGINGS	WELD FITTINGS	PIPE	PLATE	ASME WELD CLASSIFICATION	
<b>Austenitic Stainless</b>								
304	S30400	A276/479	A182	A403WP	A312	A240	P8	
304H	S30409	A276/479	A182	A403WP	A312	A240	P8	
304L	S30403	A276/479	A182	A403WP	A312	A240	P8	
316	S31600	A276/479	A182	A403WP	A312	A240	P8	
316H	S31609	A276/479	A182	A403WP	A312	A240	P8	
316L	S31603	A276/479	A182	A403WP	A312	A240	P8	
317L	S31703	A279/479	A182	A403WP	A312	A240	P8	
321	S32100	A276/479	A182	A403WP	A312	A240	P8	
321H	S32109	A276/479	A182	A403WP	A312	A240	P8	
347	S34700	A276/479	A182	A403WP	A312	A240	P8	
347H	S34709	A276/479	A182	A403WP	A312	A240	P8	
F44 (254SMO)	S31254	A276/479	A182	A403WP	A312	A240	P8	
<b>Ferritic-Austenitic Stainless</b>								
F51 (DUPLEX)	S31803	A276/479	A182	A182/A815WP	A790	A240	P10H	
F53 (SUPER DUPLEX)	S32750	A479	A182	A182/A815WP	A790	A240	P10H	
F55 (ZERON 100)	S32760	A276	A182	A182/A815WP	A790	A240	S-10H	
F60	S32205	A276	A182	A182/A815WP	A790	A240		
<b>Low Alloy Steels</b>								
F5	K41545	A182	A182	A234	A335	A387	P5B	
F9	K90941	A182	A182	A234	A335	A387	P5B	
F91	K90901	A182	A182	A234	A335	A387	P5B	
F11 Class 1	K11597	A182	A182	A234	A335	A387	P4	
F11 Class 2 & 3	K11572	A182	A182	A234	A335	A387	P4	
F22 Class 1 & 3	K21590	A182	A182	A234	A335	A387	P5A	
<b>Carbon-Steel</b>		A105/A695	A105	A234	A106	A516	P1	
<b>Low-Temperature Steel</b>		A350-LF2 CL1	A350-LF2 CL1	A420WPL6	A333GR6		P1	
<b>High Strength Transmission Service</b>			A694F42 - F70	A860 / SP-75	A381 / API-5L		S-1	
<b>Nickel-Alloys</b>								
Nickel-200	N02200	B160	B564	B366 WPN	B161	B162	P41	
Alloy-400	N04400	B164	B564	B366 WPNC	B165	B127	P42	
Alloy-600	N06600	B166	B564	B366 WPNC1	B167/B516	B168	P43	
Alloy-625	N06625	B466	B564	B366 WPNCMC	B444	B443	P43	
Alloy-800H	N08810	B408	B564	B366 WPNICIO	B407	B409	P45	
Alloy-800HT	N08811	B408	B564	B366 WPNICII	B407	B409	P45	
Alloy-825	N08825	B425	B564	B366 WPNICMC	B423	B424	P45	
<b>Corrosive High-Temp. Service</b>								
A20	N08020	B473	B462	B366 WP20CB	B729	B463	P45	
6 Moly-AL6XN	N08367	B691	B462	B366 WP6XN	B690	B688/A240	P45	
C276	N10276	B574	B564/B462	B366 WPHC276	B619/B622	B575	P44	
HAST-B2	N10665	B335	B564/B462	B366 WPHB-2	B619/B622	B333	P44	
C-22	N06022	B574	B564/B462	B366 WPHC22	B619/B622	B575	P44	
<b>Titanium</b>								
Grade 2	R50400	B348	B381 F2	B363 WPT2	B338	B265	P51	
Grade 7	R52400	B348	B381 F7	B363 WPT7	B338	B265	P51	
<b>Copper - Nickel</b>								
70-30 (MIL-STD)	C71500	Reference MIL-C & MIL-F Standards						P34
90-10 (MIL-STD)	C70600							P34
<b>Cr-Mo Alloy Steel</b>								
4130	G41300	A29 / A322	A711	A322	A519	A829		