

Material Grades Comparison Chart UNS/ASTM/API

Pipes | Wrought Fittings | Forgings | Castings

MATERIALS	UNS #	GRADES	MATERIALS			
			PIPES	WROUGHT FITTINGS	FORGINGS	CASTINGS
					FITTINGS FLANGES & VALVES	VALVES
Carbon Steel	-	GR A, WPA	A/SA 53/106/ 672/API5L	A/SA 234	A/SA 105	A216 - WCB, WCC
	-	GR B, CC60, CC70, WPB				
	-	GR C, WPC				
Carbon Steel (LT)	-	GR 1, CC60, CC70, WPL1, LF1	A/SA 333/671	A/SA 420	A/SA 350	A352 LC1
	-	GR 6, CC60, CC70, WPL6, LF2				A352 LCB, LCC
	-	GR 3, GR D, WPL3, LF3				A352 LC3
Stainless Steel (Austenitic)	S30900	TP309,WP309,F309	A/SA 312/376/ 358/675/778/ 999	A/SA 403	A/SA 182	A351 CH20
	S31008	TP310S,WP310S,F310S				A351 CK20
	S31009	TP310H,WP310H,F310H				A351 CF8
	S30400	TP304/WP304/F304				A351 CF3, CF3A
	S30403	TP304L/WP304L/F304L				A351 CF10
	S30409	TP304H,WP304H,F304H				A351 CF8M
	S31600	TP316,WP316,F316				A351 CF3M
	S31603	TP316L,WP316L,F316L				A351 CF10M
	S31609	TP316H,WP316H,F316H				A351 CG8M
	S31700	TP317,WP317,F317				A351, CG3M
	S31703	TP317L,WP317L,F317L				-
	S32100	TP321,WP321,F321				A351, A743, A744 CF8C
	S34700	TP347,WP347,F347				A351 CF8C mod
	S34709	TP347H,WP347H,F347H				A351 CK3MCuN
	S31254	S31254/WP31254/F44				
Stainless Steel (Martensitic)	S41000	TP410,WP410,F6, F6A	A268	A/SA 815		A351 CA15
Duplex	S31803	TP31803,WP31803,F51	A/SA 789/790/ 928/ 999			A351 CD3MN/ A995 4A
Super Duplex	S32750	TP32750,WP32750,F53				A351 CE3MN/ A995 5A
Titanium	R50400	T2, WPT2, F2	B/SB 861/862 - GR2	B/SB 363	B/SB 381	B367 C2
Nickel Alloys	N06625	Alloy 625	B/SB 444/705	B/SB 366	B/SB 564	B494 CW6MC
	N08825	Alloy 825	B/SB 423/705			A494 CU5MCuC
	N08800	Alloy 800	B/SB 407/154			A351 CT15C
	N08810	Alloy 800H				A351 CT15C
	N08811	Alloy 800HT				A351 CT15C mod
Carpenter 20	N08020	Alloy 20	B/SB 729/464		B/SB 462	A351 CN7M
Monel	N04400	Alloy 400	B/SB 165/725		B/SB 564	A494 M35-1
Hastealloy	N10276	Alloy C-276	B/SB 622/619			A296 CW12MW
AL6XN	N08367	AL6XN (NiCrMo Alloy)	A/SA 312/SB 675	B/SB 462	A/SA 182	A743,A744 CN3MN
Chrome Alloys	K11522	P1/WP1/F1	A/SA 335/691	A/SA 234	A/SA 182	A217 WC1
	K41545	P5/WP5/F5/F5A				A217 C5
	S50400	P9/WP9/F9				A217 C12
	K11597	P11/WP11/ F11				A217 WC6
	K21590	P22/WP22/F22				A217 WC9
	K91560	P91/WP91/F91				A217 C12A

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Stainless | Duplex | Super Duplex | Titanium | Nickel Alloys | Chrome Moly | Alloys



Management System
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