



MATERIAL SPECIFICATIONS

TRADENAME	ASTM PIPE	SPECIFICATION FITTINGS	UNS	WERKST OFF	DIN	BARSTOCK	FORGING	CASTING
FERRALIUM 255	A790	A815	S32550					
NICKEL200	B161	B366/WPN	N02200	2.4066		B160	B564 N02200	
NICKEL201	B161	B366/WPNL	N02201	2.4068		B160	B564 N02201	
MONEL 400	B165	B366/WPNC	N04400	2.4360		B164 N04400	B564 N04400	A494 M35-1
MONEL K500			N05500	2.4375		B865 N05500		
INCOLOY 800	B163	B366-WPNIC	N08800	1.4876	X10NiCrAlTi3320	B408 N08800	B564 N08800	
INCOLOY 800H	B407	B366/WPNIC10	N08810	1.4958		B408 N08810	B564 N08810	
INCOLOY 800HT		B366-WPNIC11	N08811	1.4959		B408 N08811	B564 N08811	
INCOLOY 825	B423	B366/WPNICMC	N08825	2.4858	NiFe30Cr21Mo3	B425 N08825	B564 N08825	
INCONEL 600	B167	B366/WPNICI	N06600	2.4816		B166 N06600	B564 N06600	A494 CY40
INCONEL 625	B444	B366/WPNICMC	N06625	2.4856	NiCr22Mo9Nb	B446 N06625	B564 N06625	A494 CW 6MC
INCONEL690			N06690			B166 N06690		
INCONEL718			N07718			B637 N07718	B637	
INCONEL X750			N07750	2.4669		B637 N07750	B637	
HASTELLOY B2	B622	B366/WPHB-2	N10665	2.4617		B335 N10665	B564 N10665	A494 N 12MV
HASTELLOY B3			N10675	2.4600		B335 N10675	B564 N10675	
HASTELLOY C			N10002					A494 CW6M
HASTELLOY C22	B622	B366/WPHC22	N06022	2.4602	NiCr21Mo14W	B574 N06022	B574 N06022	A494 CX2MW
HASTELLOY C276	B622	B366/WPHC276	N10276	2.4819		B574 N10276	B564 N10276	
HASTELLOY C4	B622	B366/WPHC4	N06455	2.4610		B574 N06455	B574 N06455	
HASTELLOY G		B366-WPHG	N06007			B581 N06007	B564	
HASTELLOY G3		B366-WPHG3	N06985			B581 N06985	B564	
HASTELLOY G30		B366-WPHG30	N06030			B581 N06030	B564	
HASTELLOY X		B366-WPHX	N06002			B572 N06002	B564	



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TANTALL			R05200					
TITANIUM GR.1			R50250	3.7025		B348 GR.1	B381 F1	B367 C1
TITANIUM GR.2	B337/B861	B363/WPT-2	R50400	3.7035		B348 GR.2	B381 F2	B367 C2
TITANIUM GR.3			R50400	3.7055		B348 GR.3	B381 F3	B367 C3
TITANIUM GR.5	B377/B861		R50400	3.7165		B348 GR.5	B381 F5	B367 C5
TITANIUM GR.7	B377/B861	B363/WPT-7	R52400	3.7235		B348 GR.7	B381 F7	B367 C7
ZIRCONIUM 702		B653-PZ(Gr)	R60702			B550	B493	
ZIRCONIUM 705			R60705					
904L	B677	A403/WP904L	N08904	1.4432 1.4539	X1NiCrMoCu25205	B649 N08904	B625 N08904	
ALU5083 CARPENTER 20	B241 B729	B361/WP5083 B366/WP20CB	5083 N08020	3.3547 2.4660		B473	B462	A351 CN7M
DUPLEX 4462	A190	A815	S31803	1.4462	X2CrNiMoN2253	A276 or A479 S31803	A182 F51	A890 Gr 4A
SAF 2507	A790	A815	S32750	1.4469	G-X-25Cr7Ni4MoN	A276/479 S32750	A182 F53	A890 Gr 6A A351 Gr CD4Mcu
ZERON 100			S32760	1.4501		A276/479 S32760	A182 F55	A351 Gr CD3MWCrN
CuAl10Ni5Fe4			C63000 C63200	2.0966	QAL10-4-4	B150	B124	
CuAl10Ni			C95800	2.0976		B148		
CuAl11Ni			C95500	2.0981		B148		B271
CuAl10Fe			C61900	2.0936	QAL10-3-1			
CuAl8Fe				2.0930	QAL9-4			
CuAl9Mn			C61000	2.0960	QAL9-2			
Bronze			C83600			B584		B62
Bronze			C92200			B584		B61
Bronze			C84400			B584		
Brass			C36000					B16



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CARBON STEEL (C22)			K30504	1.0402	C22	A105	A105	A216 WCB
CARBON STEEL (C22.8)				1.046		A105N	A105N	
LOW TEMP CARBON STEEL			K03011	1.0508	TT St E 36	A350 LF2	A350 LF2	A352 LCB
HIGH YIELD STEEL			K03014			A694 F60	A694 F60	
3 1/2 NICKEL STEEL			K32025	1.5639		A350 LF3	A350 LF3	A352 LC3
5 CHROME, 1/2 MOLY			K41545	1.7362	12CrMo19.5	A182 F5	A182 F5	A217 C5
1 1/4 CHROME, 1/2 MOLY			K11572 K11597	1.7733 1.7335	24CrMoV-55 13 CrMo 44	A739 B11	A182 F11	A217 WC6
2 1/4 CHROME, 1/2 MOLY			K21590	1.738	10CrMo9.10	A739 B22	A182 F22	A217 WC9
9 CHROME, 1 MOLY			K90941	1.7386		A182 F9	A182 F9	A217 CW6
X 12 CHROME, 091 MOLY			K91560	1.4903			A182 F91	A217 C12
13 CHROME			S41000			A276 or A479 410	A182 F6A	A351 CA15
17-4PH			S17400	1.4542		A564 630	A564 630	
254 SMO	A312	A403/WPS31254	S31254	1.4547		A182 F44	A182 F44	A351 CK3MCuN
304	A312	A403/WP304	S30400	1.4301	X5CrNi1810/X5CrNi189	A276 or A479 304	A182 F304	A351 CF8
304H			S30409	1.4948	X6CrNi1811			
304L			S30403	1.4306	X2CrNi1911	A276 or A479 304L	A182 F304L	A351 CF3
309	A312	A403/WP309	S30900	1.4828	X15CrNiSi2012	A276 or A479 309	A182 F309	
310			S31008	14,845		A479 310		A351 CK20
310S	A312	A403/WP310S	S31008	1.4845	X12CrNi2521	A276 or A479 310S	A182 F310S	A351 CK20
310/314	A312	A403/WP310	S31000	1.4841	X15CrNiSi2520	A276 or A479 310	A182 F310	
316	A312	A403/WP316	S31600	1.4401 1.4436	X5CrNiMo17122 X5CrNiMo17133 X5 CrNiMo1810	A276 or A479 316	A182 F316	A351 CF8M
316H			S31609	1.4919	X8CrNiMo1712			
316L	A312	A403/WP316L	S31603	1.4404	X2CrNiMo17132	A276 or A479 316L	A182 F316L	A351 CF3M
316Ti	A312	A403/WP316Ti	S31635	1.4571	X6CrNiMoTi17122	A276 or A479 316Ti	A182 F316Ti	
317	A312	A403/WP317	S31700	1.4449	X5CrNiMo1713	A276 or A479 317	A182 F317L	
317L	A312	A403/WP317L	S31703	1.4438	X2CrNiMoN18164	A276 or A479 317L	A182 F317L	A351CG8M
321	A312	A403/WP321	S32100	1.4541	X6CrNi1810	A276 or A479 321	A182 F321	A351CG8M
347	A312	A403/WP347	S34700	1.455	X6CrNiNb1810 X10CrNiNb189	A276 or A479 347	A182 F347	A351 CF8C