



Material Specifications

ITEM	TRADE NAME	ASTM PIPE	SPECIFICATION FITTINGS	UNS	WERKST OFF	DIN	BARSTOCK	FORGING	CASTING
1	FERRALIUM ® 255	A790	A815	S32550					
2	NICKEL200	B161	B366/WPN	N02200	2.4066		B160	B564 N02200	
3	NICKEL201	B161	B366/WPNL	N02201	2.4068		B160	B564 N02201	
4	MONEL ® 400	B165	B366/WPNC	N04400	2.436		B164 N04400	B564 N04400	A494 M35-1
5	MONEL ® K500			N05500	2.4375		B865 N05500		
6	INCOLOY ® 800	B163	B366-WPNC	N08800	1.4876	X10NiCrAlTi3320	B408 N08800	B564 N08800	
7	INCOLOY ® 800H	B407	B366/WPNC10	N08810	1.4958		B408 N08810	B564 N08810	
8	INCOLOY ® 800HT		B366-WPNC11	N08811	1.4959		B408 N08811	B564 N08811	
9	INCOLOY ® 825	B423	B366/WPNCMC	N08825	2.4858	NiFe30Cr21Mo3	B425 N08825	B564 N08825	
10	INCONEL ® 600	B167	B366/WPNCI	N06600	2.4816		B166 N06600	B564 N06600	A494 CY40
11	INCONEL ® 625	B444	B366/WPNCMC	N06625	2.4856	NiCr22Mo9Nb	B446 N06625	B564 N06625	A494 CW 6MC
12	INCONEL690			N06690			B166 N06690		
13	INCONEL718			N07718			B637 N07718	B637	
14	INCONEL ® X750			N07750	2.4669		B637 N07750	B637	
15	HASTELLOY ® B2	B622	B366/WPHB-2	N10665	2.4617		B335 N10665	B564 N10665	A494 N 12MV
16	HASTELLOY ® B3			N10675	2.4600		B335 N10675	B564 N10675	
17	HASTELLOY ® C			N10002					A494 CW6M
18	HASTELLOY ® C22	B622	B366/WPHC22	N06022	2.4602	NiCr21Mo14W	B574 N06022	B574 N06022	A494 CX2MW
19	HASTELLOY ® C276	B622	B366/WPHC276	N10276	2.4819		B574 N10276	B564 N10276	
20	HASTELLOY ® C4	B622	B366/WPHC4	N06455	2.4610		B574 N06455	B574 N06455	
21	HASTELLOY G		B366-WPHG	N06007			B581 N06007	B564	
22	HASTELLOY G3		B366-WPHG3	N06985			B581 N06985	B564	
23	HASTELLOY G30		B366-WPHG30	N06030			B581 N06030	B564	
24	HASTELLOY X		B366-WPHX	N06002			B572 N06002	B564	
25	TANTALUM ®			R05200					
26	TANTALUM GR.1			R50250	3.7025		B348 GR.1	B381 F1	B367 C1
27	TANTALUM GR.2	B337/B861	B363/WPT-2	R50400	3.7035		B348 GR.2	B381 F2	B367 C2
28	TANTALUM GR.3			R50400	3.7055		B348 GR.3	B381 F3	B367 C3
29	TANTALUM GR.5	B377/B861		R50400	3.7165		B348 GR.5	B381 F5	B367 C5
30	TANTALUM GR.7	B377/B861	B363/WPT-7	R52400	3.7235		B348 GR.7	B381 F7	B367 C7
31	ZIRCONIUM ® 702		B653-PZ(Gr)	R60702			B550	B493	
32	ZIRCONIUM ® 705			R60705					
33	904L	B677	A403/WP904L	N08904	1.4432 1.4539	X1NiCrMoCu25205	B649 N08904	B625 N08904	
34	ALU5083 CARPENTER 20	B241 B729	B361/WP5083 B366/WP20CB	5083 N08020	3.3547 2.4660		B473	B462	A351 CN7M
35	DUPLEX 4462	A190	A815	S31803	1.4462	X2CrNiMoN2253	A276 or A479 S31803	A182 F51	A890 Gr 4A
36	SAF 2507	A790	A815	S32750	1.4469	G-X-25Cr7Ni4MoN	A276 or A479 S32750	A182 F53	A890 Gr 6A A351 Gr CD4Mcu
37	ZERON 100			S32760	1.4501		A276 or A479 S32760	A182 F55	A351 Gr CD3MWCn
38	CuAl10Ni5Fe4			C63000 C63200	2.0966	QAL 10-4-4	B150	B124	
39	CuAl10Ni			C95800	2.0976		B148		
40	CuAl11Ni			C95500	2.0981		B148		B271
41	CuAl10Fe			C61900	2.0936	QAL 10-3-1			
42	CuAl8Fe				2.093	QAL9-4			
43	CuAl9Mn			C61000	2.096	QAL9-2			
44	BRONZE			C83600			B584		B62
45	BRONZE			C92200			B584		B61
46	BRONZE			C84400			B584		
47	BRASS			C36000					B16
48	CARBON SHEEL(C22)			K30504	1.0402	C22	A105	A105	A216 WCB
49	CARBON SHEEL(C22.8)				1.046		A105N	A105N	
50	LOW TEM CARBON SHEEL			K03011	1.0508	TT St E 36	A350 LF2	A350 LF2	A352 LCB
51	HIGH YIELD STEEL			K03014			A694 F60	A694 F60	
52	3 1/2 NICKEL STEEL			K32025	1.5639		A350 LF3	A350 LF3	A352 LC3
53	5 CHROME,1/2 MOLY			K41545	1.7362	12CrMo19.5	A182 F5	A182 F5	A217 C5
54	1 1/4 CHROME,1/2 MOLY			K11572	1.7733	24CrMoV-55	A739 B11	A182 F11	A217 WC6
55	2 1/4 CHROME,1/2 MOLY			K11597	1.7335	13 CrMo 44			
56	9 CHROME,1 MOLY			K21590	1.738	10CrMo9.10	A739 B22	A182 F22	A217 WC9
57	X 12 CHROME,091 MOLY			K90941	1.7386		A182 F9	A182 F9	A217 CW6
58	13 CHROME			K91560	1.4903		A182 F91	A182 F91	A217 C12
59	17-4PH			S41000			A276 or A479 410	A182 F6A	A351 CA15
60	254 Smo	A312	A403/WPS31254	S17400 S31254	1.4542 1.4547		A564 630 A182 F44	A564 630 A182 F44	A351 CK3MCuN
61	304	A312	A403/WP304	S30400	1.4301	X5CrNi1810/X5CrNi189	A276 or A479 304	A182 F304	A351 CF8
62	304H			S30409	1.4948	X6CrNi1811			
63	304L			S30403	1.4306	X2CrNi1911	A276 or A479 304L	A182 F304L	A351 CF3
64	309	A312	A403/WP309	S30900	1.4828	X15CrNiSi2012	A276 or A479 309	A182 F309	
65	310			S31008	1.4845		A479 310		A351 CK20
66	310S	A312	A403/WP310S	S31008	1.4845	X12CrNi2521	A276 or A479 310S	A182 310S	A351 CK20
67	310/314	A312	A403/WP310	S31000	1.4841	X15CrNiSi2520	A276 or A479 310	A182 F310	
68	316	A312	A403/WP316	S31600	1.4401 1.4436	X5CrNiMo17122 X5CrNiMo17133 X5CrNiMo1810	A276 or A479 316	A182 F316	A351 CF8M
69	316H			S31609	1.4919	X8CrNiMo1712			
70	316L	A312	A403/WP316L	S31603	1.4404	X2CrNiMo17132	A276 or A479 316L	A182 F316L	A351 CF8M
71	316Ti	A312	A403/WP316Ti	S31635	1.4571	X6CrNiMoTi17122	A276 or A479 316Ti	A182 F316Ti	
72	317	A312	A403/WP317	S31700	1.4449	X5CrNiMo1713	A276 or A479 317	A182 F317	
73	317L	A312	A403/WP317L	S31703	1.4438	X2CrNiMoN18164	A276 or A479 317L	A182 F317L	A351CG8M
74	321	A312	A403/WP321	S32100	1.4541	X6CrNi1810	A276 or A479 321	A182 F321	A351CG8M
75	347	A312	A403/WP347	S34700	1.455	X6CrNiNb1810 X10CrNiNb189	A276 or A479 347	A182 F347	A351 CF8C