

**NICKEL ALLOYS / DUPLEX & SUPER DUPLEX & STAINLESS STEEL**

Alloys	Trade Mark	UNS/DIN	ASTM	ASTM	ASTM	Chemistry					
			Plate	Pipe	Bar	C	Cr	Ni	Fe	Mo	Others
Permalloy (퍼멀로이)	UV80(PC)	N14080				0.01		80	Bal.	5	
	5000H2(PB)	K94840				0.02		48	Bal.		
	Invar 36(PD)	K93603				0.02		36	Bal.		
Vacordur49(Hiperco50, Permendur2V)						0.01			Bal.		Co. 48.75
Expansion	Alloy 42	K94100				0.05		41	Bal.		
	Alloy 52	N14052				0.01		50.5	Bal.		
	Invar 36	K93603				0.02		36	Bal.		
	Super Invar 32-5	K93500				0.02		32	Bal.		Co. 5.5
	Kovar	K94610				0.02		29	Bal.		Co. 17
Alloy 200	Nickel 200	N02200	B162	B161/163	B160	0.05		99.4			
Alloy 201	Nickel 201	N02201	B162	B161/163	B160	0.02		99.4			
Alloy 600	Inconel 600	N06600	B168	B163/167	B166	0.15	15	76	8		
Alloy 601	Inconel 601	N06601	B168	"	"	0.1	23	60.5	14		Al 1.5
Alloy 690	Inconel 690	N06690	B168	B167	B166	0.05	29	61.5	9		
Alloy 800H/800HT	800H/800HT	N08810 /08811	B409	B407	B408	0.08	21	32	46		Al+Ti
Alloy 718	Inconel 718	N07718	AMS 5596	AMS 5589/5590	AMS 5662	0.08	18	54	18	3	Nb 5
Alloy 750	X-750	N07750	AMS 5542	AMS 5582	B637	0.08	15	73	7		Ti Al Nb
Alloy 80A	Nimonic80A	N07080	B637	B601	B637	0.1	20	76	<3		Ti Al
Alloy 901	Nimonic 901	N09901	-	-	AMS5660	0.1	13	42	36	6	Ti 3
Alloy 625	Inconel 625	N06625	B443	B444/705	B446	0.1	21	62	2.5	9	Nb 3.5
Alloy 825	Inconel 825	N08825	B424	B163	B425	0.05	21	42	28	3	Cu Ti
Alloy C276	Hastelloy C276	N10276	B575	B619/622	B335	0.01	16	57	5.5	16	W 4
Alloy C22	Hastelloy C22	N06022	B575	B619/622	B335	0.01	22	56	3	13	Co W3
Alloy C4	Hastelloy C4	N06455	B575	B619/622	B574	0.01	16	65	3	16	Co Ti
Alloy B2	Hastelloy B2	N10665	B333	B619/622	B335	0.01		69		28	Co
Alloy B3	Hastelloy B3	N10675	B333	B619/622	B335	0.01	1	65		28	W 2
Alloy 20	20Cb-3	N08020	A240	B729/464	B473	0.06	20	34	37	2.5	Cu 3.5
Alloy 400	Monel 400	N04400	B127	B163/165	B164	0.15		65	1.6		Cu32
Alloy K500	Monel K500	N05500	B127	B163/165	B164	0.25		65	1		Cu 30
Cupronickel 70/30	CuNi 70/30	C71500	B171			0.02		31	0.5		Cu. 68
Cupronickel 90/10	CuNi 90/10	C70600	B171			0.03		10	0.5		Cu.88
Duplex & STAINLESS	304 / L	S30400		A213 A269 A312		0.03-0.08	18.0-20.0	8.0-12.0	Bal.		Mn. 2.0
	316 / L	S31600				0.03-0.08	16.0-18.0	10.0-14.0	Bal.	2.0-3.0	Mn. 2.0
	254SMO	S31254		F44		0.02	19.5-20.5	17.5-18.5	Bal.	6.0-6.5	
	Alloy 925	N08925				0.02	19.5-23.5	38.0-46.0	Bal.	2.5-3.5	Mn 1.0 M
	Alloy 926	N08926		6Moly		0.02	19.0-21.0	24.0-26.0	Bal.	6.0-7.0	Cu.1.5-3.0
	904L	N08904				0.02	19.0-23.0	23.0-28.0	Bal.	4.0-5.0	Cu1.0-2.0
	Alloy 50	S20910		XM-19		0.06	20.5-23.5	11.5-13.5	Bal.	1.5-3.0	
	Alloy 255	S32550, S32520		F61		0.03	24.5-26.5	5.5-6.5	Bal.	3.1-3.8	
	Alloy 32760	S32760		F55		0.03	24.0-26.0	6.0-8.0	Bal.	3.0-4.0	
	Alloy 2507	S32750		F53		0.03	24.0-26.0	6.0-8.0	Bal.	3.0-5.0	
	Alloy 2205	S31803, S32205		F51, F60			22.0-23.0	4.5-5.5	Bal.	3.0-3.5	
	A286	S66286		660A, B, C, D		0.08	13.5-16.0	24.0-27.0	Bal.	1.0-1.5	Mn. 2.0
	630	S17400		17-4PH		0.07	15.0-17.5	3.0-5.0	Bal.		Cu.3.0-5.0
631	S17700		17-7PH		0.09	16.0-18.0	6.5-4.75	Bal.		Mn. 1.0	

**High Strength Alloy**

Alloys	Trade Mark	UNS/DIN	ASTM	ASTM	ASTM	Chemistry					
			Plate	Pipe	Bar	C	Cr	Ni	Fe	Mo	Others
AERMET 100	AERMET 100	K92580				0.23	3.1	11.1	Bal.	1.2	Co. 13.4

**CP TITANIUM & TITANIUM**

Alloys	Trade Mark	UNS/DIN	ASTM	ASTM	ASTM	Chemistry					
			Plate	Pipe	Bar	N	C	H	Fe	O	Ti.
Grade 1	Grade 1		B265	B338	B348	0.03	0.08	0.015	0.2	0.18	Bal.
Grade 2	Grade 2		B265	B338	B348	0.03	0.08	0.015	0.3	0.25	Bal.
Grade 3	Grade 3		B265	B338	B348	0.05	0.08	0.015	0.3	0.35	Bal.
Grade 4	Grade 4		B265	B338	B348	0.05	0.08	0.015	0.5	0.4	Bal.
Grade 5	6Al-4V		ASTM F136			0.05	0.08	0.015	0.25	0.2	Bal.

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Alloys	Trade Mark	UNS/DIN	ASTM	ASTM	ASTM	Chemistry					
			Plate	Pipe	Bar	N	C	H	Fe	O	Ti.
Grade 1	Grade 1		B265	B338	B348	0.03	0.08	0.015	0.2	0.18	Bal.
Grade 2	Grade 2		B265	B338	B348	0.03	0.08	0.015	0.3	0.25	Bal.
Grade 3	Grade 3		B265	B338	B348	0.05	0.08	0.015	0.3	0.35	Bal.
Grade 4	Grade 4		B265	B338	B348	0.05	0.08	0.015	0.5	0.4	Bal.
Grade 5	6Al-4V		ASTM F136			0.05	0.08	0.015	0.25	0.2	Bal.