

Group	Alloy UNS / W.NR.	Density lb/in ³	% Ni	% Cr	% Mo	% Fe	%Cu	%Si	Other	TS ksi	YS ksi	Elong%	Hardness	Applicable ASTM / ASME / Other Specifications
Ni	Alloy 200/201 N02200 & N02201 2.4060/2.4066 & 2.4061/2.4068	0.321	99.0 Min			0.4 Max	0.25 Max		Alloy 200 C 0.15 Max Alloy 201 C 0.02 Max	55	15	50	80 HRB	B/SB 160 - Bar B/SB 161 - SML Pipe/Tube B/SB 162 - Plate/Sheet B/SB 366 - Pipe Fittings B/SB 564 - Forgings B/SB 564 (B16.5) - Flanges
Ni-Cu	Alloy 400 N04400 2.4360 & 2.4361	0.320	65.1			1.6	32.0	0.50 Max	Mn 1.1	70	25	35	70 HRB	B/SB 127 - Sheet/Plate B/SB 164 - Bar B/SB 165 - SML Pipe/Tube B/SB 366 - Pipe Fittings B/SB 564 - Forgings B/SB 564 (B16.5) - Flange B/SB 725 - WLD Pipe/Tube QQ-N-281D AM1 Class A - Bar
	Alloy 405 N04405 2.4363	0.318	65.0			1.2	32.5	0.50 Max	Mn 1.1 S 0.04	70	25	28	70 HRB	B/SB 164 - Bar QQ-N-281D AM1 Class B - Bar
	Alloy K500 N05500 2.4375	0.305	64.7			1.0	30.2	0.50 Max	Al 2.7 Ti 0.6	145	95	20	27 HRC	AMS 4676 - Bar QQ-N-286E, F & G - Bar
Ni-Cr-Fe	Alloy 600 N06600 2.4816	0.306	76.0	15.0		8.0	0.5	0.50 Max		100	40	35	85 HRB	AMS 5665 (chem only) - Bar B/SB 166 - Bar B/SB 167 - SML Pipe/Tube B/SB 366 - Pipe Fittings B/SB 517 - WLD Pipe/Tube B/SB 564 - Forgings B/SB 564 (B16.5) - Flanges
Ni-Cr-Mo	Alloy 22 N06022 2.4602	0.311	59.0	20.5	14.2	2.3		0.08 Max	W 3.2	115	50	60	94 HRB	B/SB 366 - Pipe Fittings B/SB 462 (B16.5) - Flanges B/SB 564 - Forgings B/SB 574 - Bar B/SB 575 - Plate/Sheet B/SB 619 - WLD Pipe B/SB 622 - SML Pipe/Tube B/SB 626 - WLD Tube
	Alloy 625 N06625 2.4856	0.305	61.0	21.5	9.0	2.5		0.50 Max	Cb+Ta (3.15-4.15)	130	70	50	95 HRB	AMS 5599 -Plate/Sheet AMS 5666 - Bar B/SB 443 - Plate/Sheet B/SB 446 - Bar B/SB 462 (B16.5) - Fittings B/SB 564 - Forgings
Ni-Mo-Cr	Alloy C276 N10276 2.4819	0.321	57.0	16.0	16.0	5.5		0.08 Max	W 4.0	115	45	65	85 HRB	B/SB 366 - Pipe Fittings B/SB 462 (B16.5) - Flanges B/SB 564 - Forgings B/SB 574 - Bar B/SB 575 - Plate/Sheet B/SB 619 - WLD Pipe B/SB 622 - SML Pipe/Tube B/SB 626 - WLD Tube

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Ni-Mo	Alloy B-2 N10665 2.4617	0.333	69.0	1.0 Max	28.0	2.0 Max		0.10 Max		125	55	40	94 HRB	B/SB 333 - Plate/Sheet B/SB 335 - Bar B/SB 366 - Pipe Fittings B/SB 462 (B16.5) - Flanges B/SB 564 - Forgings B/SB 619 - WLD Pipe B/SB 622 - SML Pipe/Tube B/SB 626 - WLD Tube
	Alloy B-3® N10675 2.4600	0.333	68.5	1.5	28.5	1.5	0.20 Max	0.10 Max	Ni+Mo (94.0-98.0) W 3.0	130	60	50	94 HRB	B/SB 333 - Plate/Sheet B/SB 335 - Bar B/SB 366 - Pipe Fittings B/SB 462 (B16.5) - Flanges B/SB 564 - Forgings B/SB 619 - WLD Pipe B/SB 622 - SML Pipe/Tube B/SB 626 - WLD Tube
Fe-Ni-Cr	Alloy 800H/HT® N08810 & N08811 1.4958 & 1.4959	0.287	30.0-35.0	19.0-23.0		39.5 Min	0.75 Max	1.0 Max	Al+Ti (0.85-1.20) C 0.6-1.0	85	38	50	72 HRB	B/SB 366 - Pipe Fittings B/SB 407 - SML Pipe/Tube B/SB 408 - Bar B/SB 514 - WLD Pipe B/SB 564 (B16.5) - Flanges B/SB 564 - Forgings
Ni-Fe-Cr-Mo	Alloy 20 N08020 2.4660	0.292	35.0	20.0	2.5	37.0	3.5	1.0 Max	Nb 0.6	80	35	40	80 HRB	B/SB 366 - Pipe Fittings B/SB 462 (B16.5) - Flanges B/SB 463 - Plate/Sheet B/SB 473 - Bar
Titanium	Alloy Ti Gr 2 R50400 3.7034 & 3.7035	0.163				0.2			Ti Bal	50	40	20	80 HRB	B/SB 265 - Plate/Sheet B/SB 338 - SML/WLD Tube B/SB 348 - Bar B/SB 363 - Pipe Fittings B/SB 381 - Forgings B/SB 861 - SML Pipe B/SB 862 - WLD Pipe
	Alloy Ti Gr 5 R56400 3.7164 & 3.7165	0.160				0.4			Ti Bal AL 5.5-6.75 V 3.5-4.5	144	134	14	36 HRC	B/SB 265 - Plate/Sheet B/SB 348 - Bar B/SB 363 - Pipe Fittings B/SB 381 - Forgings B/SB 861 - SML Pipe B/SB 862 - WLD Pipe
Cobalt	Alloy 6B R30016	0.303	3	28-32	1.5	3		2	Co Bal W 3.5-5.5 C 0.9-1.40	154	92.6	17	37 HRC	AMS 5894 - Bar AMS 5894 - Plate/Sheet Deloro W1 - Plate/Sheet Deloro W3 - Bar
Duplex Stainless Steel	Alloy F255 S32550 1.4507	0.280	5.5	25.5	3.4	Bal		2	N 0.175 PREN 39.5	115	87	25	290 BHN	A/SA 240 - Plate/Sheet A/SA 479 - Bar