



NICKEL ALLOYS
TITANIUM
STAINLESS STEEL
COBALT
DUPLEX



DEFENSE GRADE MATERIALS

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DEFENSE GRADE MATERIALS

NICKEL	SPECIFICATION	SHEET/COIL RANGE	BAR RANGE	PLATE RANGE
A286	UNS S66286, AMS 5525/5858/5731/5732/5737, ASTM A 453/A 638, ASME SA 453/SA 638, EN 1.4980, DIN EN 10204 3.1, PWA, GE, RR	0.016" – 0.125"	0.250" – 6.000"	
A286CR	AMS 5853, 15%–17% COLD REDUCED, PWA, GE, RR		0.260" – 1.510"	
A286CR	AMS 5726, 40%–60% COLD REDUCED, PWA, GE, RR		0.385" – 1.260"	
Alloy X	UNS N06002, AMS 5536/5754, ASTM B 435/B 572, ASME SB 435, EN 2.4665, PWA, GE, RR, B50A249C, B50A463	0.020" – 0.130"	0.250" – 6.500"	0.2500" – 3.000"
Alloy 6230	UNS 6230, AMS5878, ASTM B 435, ASME SB 435	0.025" – 0.125"		
K500	QQN 286- FORM 1		0.385" – 1.260"	
Waspaloy CR®	UNS N07002, AMS 5708, PWA, GE, RR		0.260" – 0.4475"	
Waspaloy® 5706	UNS N07001, AMS 5706, PWA, GE, RR		0.375" – 2.000"	
Waspaloy® 5708	UNS N07002, AMS 5708, PWA, GE, RR		0.218" – 1.010"	
X750	UNS N07750, AMS 5598/5542, ASTM B 637, ASME SB 637, W.Nr. 2.4669, PWA, GE, RR	0.023" – 0.075"		
600	UNS N06600, AMS 5540, ASTM B 168, ASME SB 168, EN 2.4816, 10204, PWA, GE	0.018" – 0.065"		
625	UNS N06625, AMS 5599/5666, ASTM B 443 Gr 1/B 446, ASME SB 443 Gr 1, EN 2.4856, EN 10204, PWA, GE, RR, EMS95377	0.016" – 0.130"	0.375" – 7.000"	0.1875" – 2.000"
718	UNS N07718, AMS 5596/5662, ASTM B 670/B 637, ASME SB 670, EN 2.4668, EN 10204, PWA, GE, RR, B50TF14, B50TF15	0.016" – 0.165"	0.250" – 10.000"	0.1875" – 2.000"
718 CR	UNS N07718, AMS 5962, PWA, GE, RR		0.260" – 1.635"	
TITANIUM	SPECIFICATION	SHEET/COIL RANGE	BAR RANGE	PLATE RANGE
CP Grade 2	UNS R50400, AMS 4902, ASTM F 67/B 265/B 348, MIL-T-9046/9047 CP-3	0.016" – 0.125"	0.125" – 0.500"	0.250" – 0.500"
CP Grade 3	UNS R50550, AMS 4900, ASTM F 67/B 265, MIL-T-9046 CP-2	0.012" – 0.063"		
CP Grade 4	UNS R50700, AMS 4901/4921, ASTM F 67/B 265/B 348, MIL-T-9046/9047 CP-1	0.012" – 0.080"	0.250"	0.250"
Ti-6AL-4V	UNS R56400, AMS 4911/4928/4967/6932, ASTM F 1472/B 265/B 348 GR 5, MIL-T-9046/9047, AB-1, PWA, GE, RR	0.012" – 0.125"	0.2499" – 8.500"	0.250" – 4.000"
Ti-6AL-4V ELI	UNS R56401, AMS 4930/AMS6932, ASTM F 136/B 265/B 348 GR 23, MIL-T-9046/9047		0.125" – 3.000"	0.250" – 1.000"
STAINLESS STEEL	SPECIFICATION	SHEET/COIL RANGE	BAR RANGE	PLATE RANGE
Custom 455	UNS S45500, AMS 5617, ASTM F 899		0.1875 – 2.000"	
Custom 465	UNS S46500, AMS 5936, ASTM F 899		0.3125" – 1.250"	
Greek Ascology	UNS S41800, AMS 5616, PWA, GE, RR		0.260" – 6.000"	
13-8 PH	UNS S13800, AMS 5629		0.500" – 3.000"	
15-5 PH	UNS S15500, AMS 5659, ASTM A 564		0.500" – 6.500"	
17-4 PH	UNS S17400, AMS 5604, ASTM A 693, ASME SA 693, W.NR 1.4542, PWA, GE, RR	0.029" – 0.130"	0.250" – 5.000"	0.1875" – 2.500"
17-7 PH	UNS S17700, AMS 5528, ASTM A 693, ASME SA 693, W.NR 1.4541, PWA, GE, RR	0.018" – 0.187"		0.1875"
301	UNS S30100, AMS 5901, ASTM A 240/A 666, ASME SA 240/SA 666, EN 1.4310, PWA, GE, RR	0.018" – 0.130"		
301 1/4	UNS S30100, AMS 5517, ASTM A 666, ASME SA 666, EN 1.4310, PWA, GE, RR	0.011" – 0.130"		
301 1/2	UNS S30100, AMS 5518, ASTM A 666, ASME SA 666, EN 1.4310, PWA, GE, RR	0.009" – 0.130"		
301 FH	UNS S31000, AMS 5519, ASTM A 666, ASME SA 666, EN 1.4310, PWA, GE, RR	0.012" – 0.065"		
302	UNS S30200, AMS 5516, ASTM A 240/A 666, ASME SA 240/SA 666, EN 1.4310, PWA, GE, RR	0.007" – 0.145"		0.1875" – 0.250"
304/304L	UNS S30400/S30403, AMS 5513/5511, ASTM A 240, ASME SA 240, W.NR 1.4307, PWA, GE, RR	0.018" – 0.130"		
316/316L	UNS S31600/S31603, AMS 5524/5507, ASTM A 167/A 240/F 138/F 899, ASME SA 167/SA 240, W.NR/EN 1.4404, W.NR/EN 1.4401, PWA, GE, RR	0.018" – 0.130"	0.125" – 3.000"	
321	UNS S32100/S32109, AMS 5510/5645, ASTM A 167/A 240/A 276/A 479, ASME SA 167/SA 240, EN 1.4541, PWA, GE	0.011" – 0.130"	Round 0.375" – 9.000" Hex 0.4375" – 1.125"	0.250"
347	UNS S34700, AMS 5512/5646, ASTM A 269/A 276/A 193/A 276, ASME SA 269/SA 276, EN 1.4550, PWA, GE, RR	0.018" – 0.130"	0.3125" – 8.000"	
410	UNS S41000, AMS 5504/5613, ASTM A 240/A 276/A 493/F 899, ASME SA 240, EN 1.4006, PWA, GE, RR	0.018" – 0.145"	1.000" – 8.000"	0.1875" – 1.000"
440C	UNS S44004, AMS 5630 Chem Only			0.1875" – 2.500"
COBALT	SPECIFICATION	SHEET/COIL RANGE	BAR RANGE	PLATE RANGE
Alloy 159	AMS 5842, PWA, GE, RR		0.774"	
L605	UNS R30605, AMS 5537/5759, B50TF26, PWA, GE, RR	0.029" – 0.065"	0.201" – 4.000"	
MP35N	AMS 8544, SPS-M-663, PWA, GE, RR		0.325" – 0.649"	
188	UNS R30188, AMS 5608/5772, B50TF74, PWA, GE, RR	0.020" – 0.083"	0.375" – 4.000"	
DUPLEX	SPECIFICATION	SHEET/COIL RANGE	BAR RANGE	PLATE RANGE
2205	UNS S32205, ASTM A 240, ASME SA 240, W.Nr. 1.4462, EN 10028-7			0.125" – 1.000"

USING A GRADE THAT IS NOT LISTED? CALL YOUR UPM REPRESENTATIVE TO DISCUSS SUPPLY POSSIBILITIES

15-5 PLATE, 13-8 PLATE, MONEL 400, NIT 135, NITRONIC 40, NITRONIC 50, NITRONIC 60, B16