

TECHNI-CAST	A043	A195	A214	A319	A355	A356	A354	A535	TENZ
FEDERAL	QQ-A-601c, Alloy 43	QQ-A-601c, Alloy 195	QQ-A-601c, Alloy 214	QQ-A-601c, Alloy 319	QQ-A-601c, Alloy 355	QQ-A-601c, Alloy 356			QQ-A-601c, Tenzaloy
	QQ-A-601a, Comp. 2	QQ-A-601a, Comp. 4	QQ-A-601a, Comp. 5	QQ-A-601a, Comp. 18	QQ-A-601a, Comp. 10	QQ-A-601a, Comp. 3			QQ-A-601b, Cl. 22M
	QQ-A-596d, Alloy 43			QQ-A-596d, Alloy 319	QQ-A-596d, Alloy 355	QQ-A-596d, Alloy 356			QQ-A-596d, Tenzaloy
	QQ-A-596a, Comp. 7			QQ-A-596a, Comp. 11	QQ-A-596a, Comp. 6	QQ-A-596a, Comp. 8			QQ-A-596c, Cl. 20
MILITARY	MIL-A-17129, Cl. 2	MIL-A-17129, Cl. 4	MIL-A-17129, Cl. 5		MIL-A-17129, Cl. 7	MIL-A-17129, Cl. 3	MIL-A-21180C,		MIL-A-17129, Cl. 8
							Alloy 354		MIL-A-12033,
									Comp. 1 & 2
NAVY	46A1f , Cl. 2	46A1f, Cl.4	46A1f, Cl. 5		46A1f, Cl.7	46A1f, Cl.3			
ASTM	B-26, S5A	B-26, C4A	B-26, G4A	B-26, 319.0	B-26, 355.0	B-26, A356.0		B-26, 535.0	B-26, 713.0
	B-26, S5B			B-26, SC64D	B-26, SC51A	B-26, SG70A			
	B-108, S5A			B-108, SC64D	B-108, SC51A	B-108, SG70A			B-26, ZC81A
	B-108, S5B				B-108, SC51B				B-108, ZC81B
SAE	35	38	320	329	322	323		535	315
				326					
AMS			4230		4210	4217			
			4231		4212				
					4214				
					4280				
					4281				
Aluminum	95.00	94.50	96.00	90.50	92.25	92.65	88.70		91.40
Silicon	5.00	1.00	4.00	6.00	6.00	7.00	9.00	0.15	
Copper		4.50		3.50	1.25		1.80	0.05	0.70
Magnesium					0.50	0.35	0.50	6.60	0.40
Manganese								0.20	
Titanium								0.20	
Tensile Strength, psi	23,000	33,000	26,000	34,000	42,000	38,000	55,000	35,000	40,000
		38,000		40,000					
Yield Strength, psi	9,000	17,000	14,000	19,000	27,000	30,000	41,000	18,000	28,000
		25,000		27,000					
Elongation, %	10	9	10	2.5	4	5	6	9	6
		6		3.5					
Reduction of Area, %									
Hardness, Brinell	50	70	50	85	100	95	105	70	75
		85		95					
Condition	F	T4	F	F	T6	T6	T61	F	T5
		T6		T6					