

300 Series Austenitic Stainless Steels	ALLOY TYPE	SIMILAR DESIGNATION	CONDITION	HARDNESS MINIMUM C SCALE	ULTIMATE TENSILE STRENGTH PSI	YIELD STRENGTH PSI	ELONGATION % IN 1 INCH	REMARKS
	302	AMS 5358 ASTM-A-296 MIL-S-17509	AS CAST OR SOLUTION ANNEALED	RC <20	65,000	30,000	35	BEST COMBINATION OF CASTABILITY AND CORROSION RESISTANCE
	303	ASTM-A-296 MIL-S-17509	AS CAST OR SOLUTION ANNEALED	RC <20	65,000	30,000	35	FREE MACHINING STAINLESS
	304	ASTM-A-296 MIL-S-867	AS CAST OR SOLUTION ANNEALED	RC <20	65,000	30,000	35	BETTER CORROSION RESISTANCE THAN 302 & 303
	304L	AMS 5370 ASTM-A-296	AS CAST OR SOLUTION ANNEALED	RC <20	63,000	28,000	35	CRYOGENIC APPLICATIONS
	310	AMS 5366 ASTM-A-296	AS CAST OR SOLUTION ANNEALED	RC <20	60,000	30,000	35	OXIDATION RESISTANCE TO 2000°F
	316	AMS 5360 ASTM-A-296	AS CAST OR SOLUTION ANNEALED	RC <20	65,000	30,000	35	FOOD EQUIPMENT PAPER MAKING EQUIPMENT
	CF-8M	ASTM-A-296	AS CAST OR SOLUTION ANNEALED	RC <20	75,000	35,000	30	STRONGER GRADE OF 316
	347	AMS 5362 ASTM-A-296 MIL-S-17509 MIL-S-867	AS CAST OR SOLUTION ANNEALED	RC <20	70,000	32,000	30	WELDABLE GRADE
	CN-7M	ACI-CN-7M	AS CAST OR SOLUTION ANNEALED	RC <20	65,000	25,000	35	SULFURIC ACID RESISTANCE
	CD-4MCu	ACI-CO-4NCu	SOLUTION AND AGED	R 30 C	135,000	100,000	12	BEST COMBINATION OF STRENGTH AND CORROSION

*Because of low impact, meaningful tensile and yield values are not attainable. The values shown are the specification minimums for separately cast bars, unless otherwise noted.