

T-304 and its lower carbon variant T-304L are the most common and cost effective grades of stainless steel. Available in a wide range of shapes and forms, it is typically produced to be dual certified to meet both T-304 and T-304L specifications. This non-magnetic grade offers good corrosion resistance, formability, weldability, machinability, and can be sterilized for sanitary environments.

Typical Chemical Properties[†]

Grade	C (Max)	Mn (Max)	P (Max)	S (Max)	Si (Max)	Cr	Ni	N (Max)
T-304	.08	2.0	.045	.03	1.0	18.0/20.0	8.0/12.0	.10
T-304L	.03	2.0	.045	.03	1.0	18.0/20.0	8.0/12.0	.10

Typical Mechanical Properties[†]

Grade	Tensile	Yield	Elongation in 2"	Reduction of Area	Brinell	Rockwall	Machinability
T-304/L Plate/Sheet	70ksi min	25ksi min	40% min	-	202 max	B92 max	-
T-304/L Bar (Annealed)	80ksi min	30ksi min	55% min	65% min	150/185	B80/B90	45

[†]Properties listed are typical, and will vary slightly with different heats