



Wickeder Steel Company

Quality: We Make It Our Business

THICKNESS TOLERANCE

Continuity of a precision thickness tolerance has a direct effect not only on part functionality in many applications but also on the processing parameters of specialty operations used in manufacturing those products. It can even directly impact the cost of those operations when considering issues such as die life in precision stamping or the grinding of strip edges.

WSC offers a standard tolerance of T2 for most items and T3 for many specialty applications.

The adjacent tolerance table is based directly on the long-established standards utilized by the majority of European precision strip mills.

Strip Thickness	Tol. Class	Strip Width		Strip Thickness	Tol. Class	Strip Width	
		Inches				Millimeters	
		≤ 12 in. ± in.	> 12 in. ± in.			≤ 305 mm ± mm	> 305 mm ± mm
0.0079 - 0.0098	T1	0.00043	0.00051	0.200 - 0.249	T1	0.011	0.013
	T2	0.00031	0.00035		T2	0.008	0.009
	T3	0.00024	0.00028		T3	0.006	0.007
	T4	0.00016	0.00024		T4	0.004	0.006
0.0099 - 0.0123	T1	0.00051	0.00059	0.250 - 0.314	T1	0.013	0.015
	T2	0.00035	0.00043		T2	0.009	0.011
	T3	0.00028	0.00031		T3	0.007	0.008
	T4	0.00020	0.00024		T4	0.005	0.006
0.0124 - 0.0157	T1	0.00059	0.00067	0.315 - 0.399	T1	0.015	0.017
	T2	0.00043	0.00047		T2	0.011	0.012
	T3	0.00031	0.00035		T3	0.008	0.009
	T4	0.00024	0.00028		T4	0.006	0.006
0.0158 - 0.0196	T1	0.00067	0.00079	0.400 - 0.499	T1	0.017	0.020
	T2	0.00047	0.00055		T2	0.012	0.014
	T3	0.00035	0.00039		T3	0.009	0.010
	T4	0.00024	0.00028		T4	0.006	0.007
0.0197 - 0.0247	T1	0.00079	0.00094	0.500 - 0.629	T1	0.020	0.024
	T2	0.00055	0.00067		T2	0.014	0.017
	T3	0.00039	0.00047		T3	0.010	0.012
	T4	0.00028	0.00036		T4	0.007	0.009
0.0248 - 0.0314	T1	0.00091	0.00106	0.630 - 0.799	T1	0.023	0.027
	T2	0.00067	0.00079		T2	0.017	0.020
	T3	0.00047	0.00055		T3	0.012	0.014
	T4	0.00031	0.00039		T4	0.008	0.010
0.0315 - 0.0393	T1	0.00106	0.00126	0.800 - 0.999	T1	0.027	0.032
	T2	0.00075	0.00091		T2	0.019	0.023
	T3	0.00051	0.00063		T3	0.013	0.016
	T4	0.00035	0.00047		T4	0.009	0.012
0.0394 - 0.0491	T1	0.00134	0.00142	1.000 - 1.249	T1	0.034	0.036
	T2	0.00094	0.00102		T2	0.024	0.026
	T3	0.00067	0.00071		T3	0.017	0.018
	T4	0.00047	0.00051		T4	0.012	0.013
0.0492 - 0.0629	T1	0.00154	0.00173	1.250 - 1.599	T1	0.039	0.044
	T2	0.00110	0.00126		T2	0.028	0.032
	T3	0.00079	0.00087		T3	0.020	0.022
	T4	0.00055	0.00063		T4	0.014	0.016
0.0630 - 0.0787	T1	0.00181	0.00197	1.600 - 1.999	T1	0.046	0.050
	T2	0.00130	0.00150		T2	0.033	0.038
	T3	0.00090	0.00102		T3	0.023	0.026
	T4	0.00067	0.00075		T4	0.017	0.019
0.0788 - 0.0984	T1	0.00197	0.00217	2.000 - 2.499	T1	0.050	0.055
	T2	0.00138	0.00157		T2	0.035	0.040
	T3	0.00098	0.00110		T3	0.025	0.028
	T4	0.00067	0.00079		T4	0.017	0.020
0.0985 - 0.1250	T1	0.00220	0.00236	2.500 - 3.175	T1	0.056	0.060
	T2	0.00157	0.00169		T2	0.040	0.043
	T3	0.00110	0.00118		T3	0.028	0.030
	T4	0.00079	0.00087		T4	0.020	0.022

Thickness is measured .375 inch (9.53 mm) in from the strip edge, or at the center of the strip when the width is less than .750 inch (19.1 mm).

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