

Laser Hole Tolerance Capabilities for Trumpf Lasers

Chart Is For All Carbon Steels

All tolerances listed are + / -. Check with pin gage at narrowest point of hole.

Hole Diameter	.000 to .031	.032 to .062	.063 to .093	.094 to .125	.126 to .156	.157 to .187	.188 to .218	.219 to .250	.251 to .281	.282 to .312	.313 to .343	.344 to .375	.376 to .406	.407 to .437	.438 to .468	.469 to .500	.501 to .531	.532 to .562	.563 to .593	.594 to .625	.626 to .718	.719 to .750	.751 to 1.00
.0299 22 Ga.	.005	.005	.003	.003	.003	.003	.003	.003	.003	.003	.003	.003	.003	.003	.003	.003	.003	.003	.003	.003	.003	.003	.003
.0359 20 Ga.	.005	.005	.003	.003	.003	.003	.003	.003	.003	.003	.003	.003	.003	.003	.003	.003	.003	.003	.003	.003	.003	.003	.003
.0478 18 Ga.	.005	.005	.003	.003	.003	.003	.003	.003	.003	.003	.003	.003	.003	.003	.003	.003	.003	.003	.003	.003	.003	.003	.003
.0598 16 Ga.	.005	.005	.005	.003	.003	.003	.003	.003	.003	.003	.003	.003	.003	.003	.003	.003	.003	.003	.003	.003	.003	.003	.003
.0747 14 Ga.	.005	.005	.005	.005	.003	.003	.003	.003	.003	.003	.003	.003	.003	.003	.003	.003	.003	.003	.003	.003	.003	.003	.003
.0897 13 Ga.	N/A	.005	.005	.005	.003	.003	.003	.003	.003	.003	.003	.003	.003	.003	.003	.003	.003	.003	.003	.003	.003	.003	.003
.1046 12 Ga.	N/A	.005	.005	.005	.003	.003	.003	.003	.003	.003	.003	.003	.003	.003	.003	.003	.003	.003	.003	.003	.003	.003	.003
.1196 11 Ga.	N/A	.005	.005	.005	.005	.003	.003	.003	.003	.003	.003	.003	.003	.003	.003	.003	.003	.003	.003	.003	.003	.003	.003
.1345 10 Ga.	N/A	.005	.005	.005	.005	.005	.005	.005	.005	.005	.005	.005	.005	.005	.005	.005	.005	.005	.005	.005	.005	.005	.005
.1495 9 Ga.	N/A	.005	.005	.005	.005	.005	.005	.005	.005	.005	.005	.005	.005	.005	.005	.005	.005	.005	.005	.005	.005	.005	.005
.1644 8 Ga.	N/A	.005	.005	.005	.005	.005	.005	.005	.005	.005	.005	.005	.005	.005	.005	.005	.005	.005	.005	.005	.005	.005	.005
.1793 7 Ga.	N/A	.005	.005	.005	.005	.005	.005	.005	.005	.005	.005	.005	.005	.005	.005	.005	.005	.005	.005	.005	.005	.005	.005
3/16	N/A	N/A	.005	.005	.005	.005	.005	.005	.005	.005	.005	.005	.005	.005	.005	.005	.005	.005	.005	.005	.005	.005	.005
.1943 6 Ga.	N/A	N/A	N/A	.010	.010	.005	.005	.005	.005	.005	.005	.005	.005	.005	.005	.005	.005	.005	.005	.005	.005	.005	.005
1/4	N/A	N/A	N/A	N/A	N/A	.010	.010	.005	.005	.005	.005	.005	.005	.005	.005	.005	.005	.005	.005	.005	.005	.005	.005
5/16	N/A	N/A	N/A	N/A	N/A	N/A	N/A	.010	.010	.005	.005	.005	.005	.005	.005	.005	.005	.005	.005	.005	.005	.005	.005
3/8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	.010	.010	.010	.010	.010	.010	.010	.010	.010	.010	.010	.010	.010	.010
7/16	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	.010	.010	.010	.010	.010	.010	.010	.010	.010	.010	.010	.010
1/2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	.010	.010	.010	.010	.010	.010	.010	.010	.010
9/16	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	#1	.010	.010	.010	.010	.010
5/8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	#1	.010	.010	.010
11/16	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	#1	.015	.015
3/4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	#1	.015

N/A = Not Available See Engineering

#1 = Minimum hole & slot width size equal to material thickness only. Tolerance = .015