

SLOTTED FLAT COUNTERSUNK HEAD TAPPING SCREWS

Abstract of
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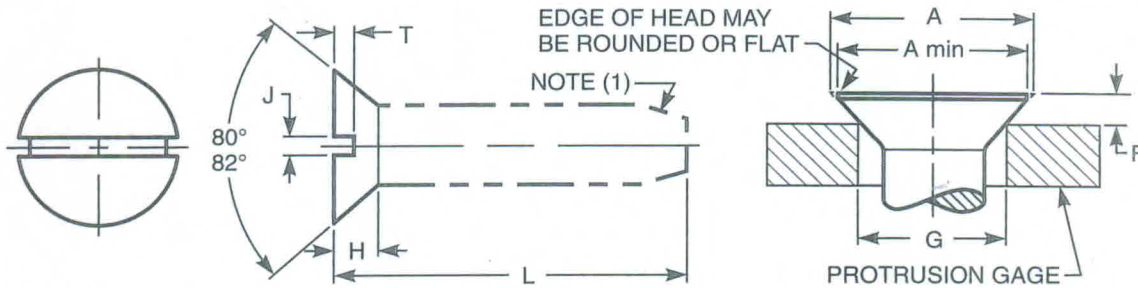


Table 10 Dimensions of Slotted Flat Countersunk Head Tapping Screws

Nominal Size or Basic Screw Diameter	Applicable to Screw Types	L		A		H	J		T		F		G
		These Lengths or Shorter are Undercut		Head Diameter		Head Height	Slot Width		Slot Depth		Protrusion Above Gaging Diameter		Gaging Diameter
		Code Symbols	Types AB & A	Other Types	Max	Min	Ref	Max	Min	Max	Min	Max	
0 0.0600	●◆▲	3/16	1/8	0.112	0.096	0.035	0.023	0.016	0.015	0.010	0.026	0.016	0.078
1 0.0730	●◆▲	3/16	5/32	0.137	0.120	0.043	0.026	0.019	0.019	0.012	0.028	0.016	0.101
2 0.0860	●◆▲■	3/16	3/16	0.162	0.144	0.051	0.031	0.023	0.023	0.015	0.029	0.017	0.124
3 0.0990	●◆▲■	7/32	7/32	0.187	0.167	0.059	0.035	0.027	0.027	0.017	0.031	0.018	0.148
4 0.1120	●◆▲■	1/4	1/4	0.212	0.191	0.067	0.039	0.031	0.030	0.020	0.032	0.019	0.172
5 0.1250	●◆▲■	1/4	1/4	0.237	0.215	0.075	0.043	0.035	0.034	0.022	0.034	0.020	0.196
6 0.1380	●◆▲■	5/16	5/16	0.262	0.238	0.083	0.048	0.039	0.038	0.024	0.036	0.021	0.220
7 0.1510	●◆▲	3/8	3/8	0.287	0.262	0.091	0.048	0.039	0.041	0.027	0.037	0.022	0.243
8 0.1640	●◆▲■	7/16	7/16	0.312	0.285	0.100	0.054	0.045	0.045	0.029	0.039	0.023	0.267
10 0.1900	●◆▲■	1/2	1/2	0.362	0.333	0.116	0.060	0.050	0.053	0.034	0.042	0.025	0.313
12 0.2160	●◆▲■	9/16	9/16	0.412	0.380	0.132	0.067	0.056	0.060	0.039	0.045	0.027	0.362
14 0.2420	◆	5/8	...	0.462	0.427	0.148	0.075	0.064	0.068	0.044	0.049	0.029	0.410
1/4 0.2500	●▲■	5/8	5/8	0.477	0.442	0.153	0.075	0.064	0.070	0.046	0.050	0.029	0.424
16 0.2680	◆	3/4	...	0.512	0.475	0.164	0.075	0.064	0.075	0.049	0.052	0.031	0.457
18 0.2940	◆	13/16	...	0.561	0.522	0.180	0.084	0.072	0.083	0.054	0.055	0.033	0.505
5/16 0.3125	●▲■	13/16	5/8	0.597	0.556	0.191	0.084	0.072	0.088	0.058	0.057	0.034	0.539
20 0.3200	◆	13/16	...	0.611	0.569	0.196	0.084	0.072	0.090	0.059	0.058	0.035	0.553
24 0.3720	◆	1	...	0.711	0.664	0.228	0.094	0.081	0.105	0.069	0.065	0.039	0.648
3/8 0.3750	▲■	...	5/8	0.717	0.670	0.230	0.094	0.081	0.106	0.070	0.065	0.039	0.653
7/16 0.4375	▲	...	3/4	0.760	0.715	0.223	0.094	0.081	0.103	0.066	0.073	0.044	0.690
1/2 0.5000	▲	...	3/4	0.815	0.765	0.223	0.106	0.091	0.103	0.065	0.081	0.049	0.739
See Notes 2	1	3				4					5		5

NOTES:

- Applicable to screw types as indicated by code symbols below. See referenced tables for thread and point dimensions.
 - Type AB thread forming, see Table 6, page H-26.
 - ◆ Type A thread forming, except for short lengths, see Appendix E.
 - ▲ Types B and BP thread forming, see Table 7; and Types BF and BT thread cutting, see Table 8, pages H-27 and H-28.
 - Type C thread forming, see Appendix V; and Types D, F, G, and T thread cutting, see Table 9, page H-29.
- Where specifying nominal size in decimals, zeros preceding decimal and in the fourth decimal place shall be omitted.
- Screws of these lengths and shorter shall have undercut heads as shown in Table 12. Use Type AB undercut head screws in place of Type A screws for these lengths and shorter.
- Tabulated values determined from formula for H max, Appendix A.
- No tolerance for gaging diameter is given. If the gaging diameter of the gage used differs from tabulated value, the protrusion will be affected accordingly and the proper protrusion values must be recalculated using the formulas shown in Appendix I.
- For additional requirements, see Introductory Notes and General Data, page H-13 and page H-18.