



Nominal Size or Basic Product Diameter	Nominal Diameter	Body or Shoulder Diameter, E (See Paras. 5.4 and 5.5)		Width Across Flats, F (See Para. 2.1.2)			Width Across Corners, G		Head Height, H			Minimum Shoulder Length, S (See Para. 5.5)	Radius of Fillet, R	
		Max.	Min.	Basic	Max.	Min.	Max.	Min.	Basic	Max.	Min.		Max.	Min.
No. 10	0.1900	0.199	0.178	9/32	0.281	0.271	0.323	0.309	1/8	0.140	0.110	0.094	0.03	0.01
1/4	0.2500	0.260	0.237	7/16	0.438	0.425	0.505	0.484	11/64	0.188	0.150	0.094	0.03	0.01
5/16	0.3125	0.324	0.298	1/2	0.500	0.484	0.577	0.552	7/32	0.235	0.195	0.125	0.03	0.01
3/8	0.3750	0.388	0.360	9/16	0.562	0.544	0.650	0.620	3/4	0.268	0.226	0.125	0.03	0.01
7/16	0.4375	0.452	0.421	5/8	0.625	0.603	0.722	0.687	19/64	0.316	0.272	0.156	0.03	0.01
1/2	0.5000	0.515	0.482	3/4	0.750	0.725	0.866	0.826	11/32	0.364	0.302	0.156	0.03	0.01
5/8	0.6250	0.642	0.605	15/16	0.938	0.906	1.083	1.033	27/64	0.444	0.378	0.312	0.06	0.02
3/4	0.7500	0.768	0.729	1 1/8	1.125	1.088	1.299	1.240	1/2	0.524	0.455	0.375	0.06	0.02
7/8	0.8750	0.895	0.852	1 5/16	1.312	1.269	1.516	1.447	37/64	0.604	0.531	0.375	0.06	0.02
1	1.0000	1.022	0.976	1 1/2	1.500	1.450	1.732	1.653	43/64	0.700	0.591	0.625	0.09	0.03
1 1/8	1.1250	1.149	1.098	1 11/16	1.688	1.631	1.949	1.859	3/4	0.780	0.658	0.625	0.09	0.03
1 1/4	1.2500	1.277	1.223	1 7/8	1.875	1.812	2.165	2.066	27/32	0.876	0.749	0.625	0.09	0.03

GENERAL NOTE: Refer to section 5 for further information on lag screws.

**Table 16 Dimensions of Lag Screw Threads**

Nominal Size or Basic Product Diameter	Threads per Inch	Major Diameter		Root Diameter		Length Tolerance		
		Max.	Min.	Max.	Min.	≤ 6 in.	> 6 in.	
No. 10	0.190	11	0.199	0.178	0.122	0.107	±0.12	±0.25
1/4	0.250	10	0.260	0.237	0.177	0.160	±0.12	±0.25
5/16	0.312	9	0.324	0.298	0.228	0.210	±0.12	±0.25
3/8	0.375	7	0.388	0.360	0.268	0.250	±0.12	±0.25
1/2	0.500	6	0.515	0.482	0.374	0.354	±0.12	±0.25
5/8	0.625	5	0.642	0.605	0.473	0.453	±0.25	±0.25
3/4	0.750	4 1/2	0.768	0.729	0.582	0.562	±0.25	±0.25
7/8	0.875	4	0.895	0.852	0.686	0.665	±0.25	±0.25
1	1.000	3 1/2	1.022	0.976	0.784	0.760	±0.25	±0.25
1 1/8	1.125	3 1/4	1.149	1.100	0.892	0.867	±0.25	±0.25
1 1/4	1.250	3 3/4	1.277	1.223	1.017	0.987	±0.25	±0.25

GENERAL NOTE: Pilot hole sizes can be established by starting with a fractional drill size closest to the root diameter. Hard woods require a larger pilot hole size than softer woods.