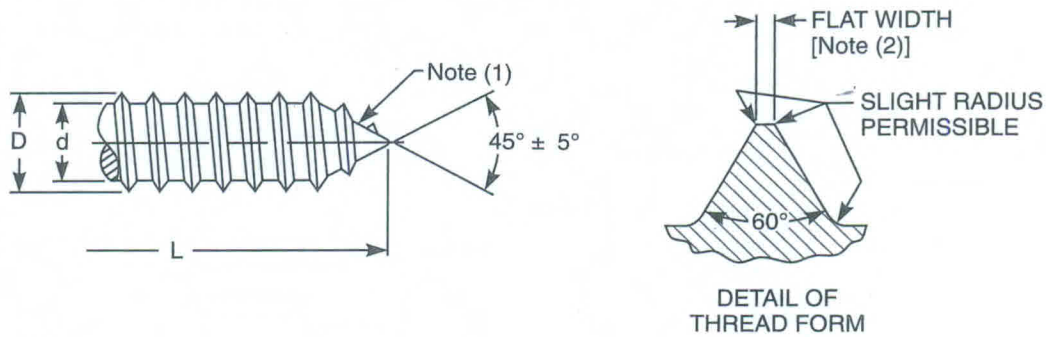


THREAD FORMING TAPPING SCREWS — TYPE AB

Abstract of
ASME B18.6.4
1998



**Table 6 Dimensions of Threads and Points for Type AB
Thread Forming Tapping Screws**

Nominal Size or Basic Screw Diameter	Threads per Inch	D		d		L		
		Major Diameter		Minor Diameter		Minimum Practical Nominal Screw Lengths		
		Max	Min	Max	Min	90° Heads	Csk Heads	
0	0.0600	48	0.060	0.054	0.036	0.033	1/8	5/32
1	0.0730	42	0.075	0.069	0.049	0.046	5/32	3/16
2	0.0860	32	0.088	0.082	0.064	0.060	3/16	7/32
3	0.0990	28	0.101	0.095	0.075	0.071	3/16	1/4
4	0.1120	24	0.114	0.108	0.086	0.082	7/32	9/32
5	0.1250	20	0.130	0.123	0.094	0.090	1/4	5/16
6	0.1380	20	0.139	0.132	0.104	0.099	9/32	11/32
7	0.1510	19	0.154	0.147	0.115	0.109	5/16	3/8
8	0.1640	18	0.166	0.159	0.122	0.116	5/16	3/8
10	0.1900	16	0.189	0.182	0.141	0.135	3/8	7/16
12	0.2160	14	0.215	0.208	0.164	0.157	7/16	21/32
1/4	0.2500	14	0.246	0.237	0.192	0.185	1/2	19/32
5/16	0.3125	12	0.315	0.306	0.244	0.236	5/8	3/4
3/8	0.3750	12	0.380	0.371	0.309	0.299	3/4	29/32
7/16	0.4375	10	0.440	0.429	0.359	0.349	7/8	1-1/32
1/2	0.5000	10	0.504	0.493	0.423	0.413	1	1-5/32
See Notes 3, 4	4	4	4	4	4	4		

NOTES:

- (1) No extrusion of excess metal beyond apex of the point resulting from thread rolling shall be permissible. A slight rounding or truncation of the point is desirable.
- (2) The width of flat at crest of thread shall not exceed 0.004 in. for sizes up to and including No. 8, and 0.006 in. for larger sizes.
- (3) Where specifying nominal size in decimals, zeros preceding decimal and in the fourth decimal place shall be omitted.
- (4) Sizes shown in boldface type are preferred.
- (5) For determining the effective grip length of Type AB screws, see Appendix D.
- (6) For additional requirements, refer to page H-13.