

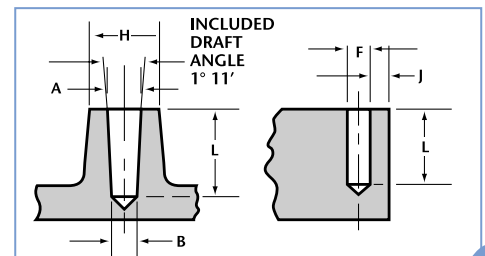


TAPTITE 2000® "SP"™ Screws and Bolts

Recommended pilot hole sizes for Aluminum or Zinc Alloy die castings for TAPTITE 2000® "SP"™ Fasteners

Screw Size	Hole Diameter as Cast				F Hole Dia. as Drilled	L Length of Thread Engagement	H Boss Dia. Min.	J Distance to Edge for No Measurable Distortion Min.
	Top A		Bottom B					
	Max.	Min.	Max.	Min.				
Metric Sizes (mm)								
M2 x 0.40	1.91	1.83	1.81	1.73	1.82	4.00	3.32	1.0
M2.5 x 0.45	2.39	2.31	2.28	2.20	2.29	5.00	4.15	1.2
M3 x 0.5	2.90	2.82	2.76	2.68	2.77	6.00	4.98	1.3
M3.5 x 0.6	3.31	3.23	3.21	3.13	3.23	7.00	5.81	1.6
M4 x 0.7	3.82	3.74	3.64	3.56	3.68	8.00	6.64	1.8
M5 x 0.8	4.80	4.72	4.58	4.50	4.64	10.00	8.30	2.1
M6 x 1.0	5.74	5.66	5.48	5.40	5.54	12.00	9.96	2.6
M7 x 1.0	6.78	6.70	6.48	6.40	6.54	14.00	11.62	2.6
M8 x 1.25	7.69	7.61	7.35	7.27	7.43	16.00	13.28	3.3
M10 x 1.5	9.64	9.56	9.22	9.14	9.32	20.00	16.60	3.9
M12 x 1.75	11.59	11.51	11.09	11.01	11.20	24.00	19.92	4.6
Inch Sizes (inches)								
2-56	0.081	0.078	0.077	0.074	0.0779	0.172	0.197	0.046
3-48	0.093	0.090	0.088	0.085	0.0895	0.198	0.208	0.054
4-40	0.105	0.102	0.099	0.096	0.1006	0.224	0.220	0.065
5-40	0.118	0.115	0.112	0.109	0.1136	0.250	0.232	0.065
6-32	0.128	0.125	0.122	0.119	0.1238	0.276	0.242	0.081
8-32	0.155	0.152	0.148	0.145	0.1498	0.328	0.272	0.081
10-24	0.177	0.174	0.168	0.165	0.1710	0.380	0.315	0.108
10-32	0.182	0.179	0.174	0.171	0.1758	0.380	0.315	0.081
12-24	0.203	0.200	0.194	0.191	0.1970	0.432	0.359	0.108
1/4-20	0.235	0.232	0.224	0.221	0.2273	0.500	0.415	0.130
5/16-18	0.297	0.294	0.284	0.281	0.2872	0.625	0.519	0.144
3/8-16	0.359	0.356	0.343	0.340	0.3466	0.750	0.623	0.162
7/16-14	0.419	0.416	0.400	0.397	0.4050	0.875	0.726	0.186
1/2-13	0.481	0.478	0.460	0.457	0.4650	1.000	0.830	0.200

The minimum length of thread engagement should be equal to twice the diameter of the screw (to approach utilizing available screw strength). The hole diameter, to ensure optimum performance, should provide for 65% to 75% thread engagement.



Note; "SP"™ designates Short Point