

Spaced thread fasteners for thermoplastics

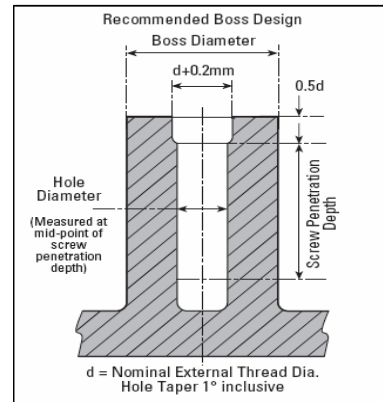
Production range

Screw size		M2.2 (22)	M2.5 (25)	M3 (30)	M3.5 (35)	M4 (40)	M5 (50)
External thread, Major Diameter	d1	2.2	2.5	3	3.5	4	5
Thread root, Minor Diameter	d2	1.27	1.43	1.71	1.94	2.21	2.76
Thread pitch,	P	0.98	1.12	1.34	1.57	1.79	2.24
Length (mm)	" L "	Tol.					
4.5	± 0.38	min.		min.			<i>Special lengths upon request only!</i>
5		min.		min.			
6		min.		min.			
7	± 0.45	min.			min.		<i>Above dotted line full thread if required...</i>
8		min.			min.		
9		min.			min.		
10		min.			min.		
12	± 0.55	min.			min.		<i>...below partial thread only.</i>
14		min.			min.		
16		min.			min.		
18		min.			min.		
20	± 0.65	min.			min.		<i>max.</i>
22		min.			min.		
24		min.			min.		
25		min.			min.		
30		min.			min.		
35	± 0.8	min.			min.		<i>max.</i>
40		min.			min.		
45		min.			min.		
45		min.			min.		
50		min.			min.		

Boss hole diameter is generally 70 to 85% of major diameter (d1) depending on the material. Suggested boss diameters range from 1.8d1 to 2.5d1. The most effective way to increase stripping torque is to increase thread engagement. This leads to just a minor addition in drive torque and also serves to increase seating torque.

Seating torque should not exceed 0.5 times the stripping torque. Minimum length of engagement should be approximately 2X major diameter (d1).

Drive r.p.m. is crucial for optimum results speeds which are too high can destroy the boss. Drive speeds from 250 to 500 r.p.m. are suggested in most applications.



Contact our sales engineer for more information.

Round washer head (cross/6 lobe)	Head diameter	4.4/4.5	5.0	6.0	7.0	8.0	10.0
	Head height	1.6/1.4	1.8/1.5	2.1	2.4	2.5/2.6	3.2/3.3
	Washer thickness	0.5	0.6	0.7/0.6	0.8/0.7	0.9/0.8	1.1/1.0
Recess (cross/6 lobe)		1/T6	1/T6	1/T10	2/T10	2/T20	2/T20
Pan head (cross/6 lobe)	Head diameter	3.9/4.0	4.4/4.2	5.3/5.6	6.1/6.9	7.0/7.5	8.8/8.2
	Head height	1.5/1.4	1.7/1.6	2.0/2.1	2.5/2.3	2.7/2.6	3.4/2.9
Recess (cross/6 lobe)		1/T6	1/T7	1/T10	2/T10	2/T20	2/T20
Flat head (cross/6 lobe)	Head diameter	3.8	4.7	5.5	7.3	8.4	9.3
	Head height	1.2	1.7	1.8	2.5	2.9	3.0
Recess (cross/6 lobe)		1/T6	1/T8	1/T8	2/T15	2/T20	2/T20
Cheese head	Head diameter	3.8	3.8	5.0	5.5	6.0	7.0
	Head height	1.6	1.6	1.7	2.0	2.2	2.6

We strongly recommend testing on prototypes or similar parts to determine hole diameter, depth of boss, seating and stripping torque (failure).