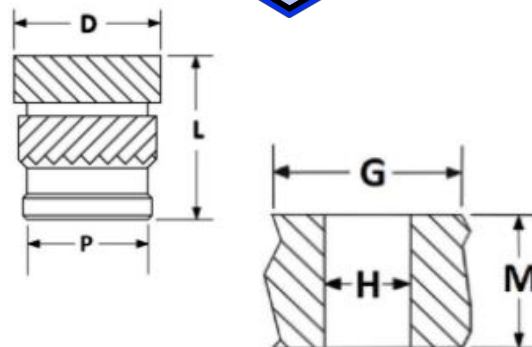


Prototypes to Production Solution

Heat Set Inserts for Thermoplastic Molding or Multi-Jet Fusion printed parts.

Post-Molded Inserts for Plastics:

- High Pull-out Torque-Out resistance
- Quick Installation with Heat or ultrasonics
- Strong Reusable threads improve product performance



Minimum Depth "M" =
Insert Length + .020"

SERIES 10: For Installation in Straight Cored Holes

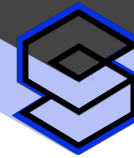
The Series 10 insert is designed for installation into minimum draft holes or straight holes in plastic moldings. The combination of right and left hande knurls with uniquely placed undercuts provide unparalleled resistance to torque and pull-out loads. These inserts were designed for installation into Thermoplastics materials with heat or ultrasonics.

When installing inserts into a boss, the minimum diameter "G" of the boss should be at least **1.5 times** the diameter of the insert.

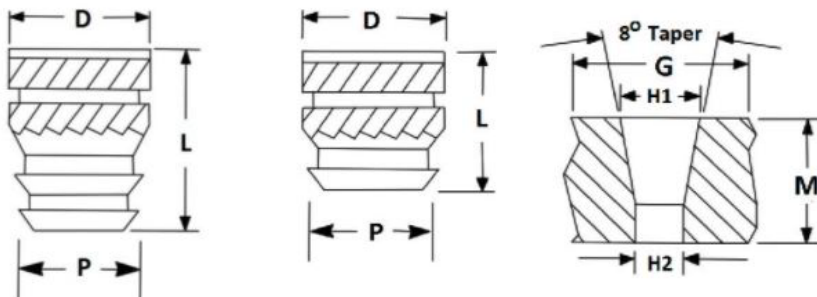
INCH SIZES		METRIC SIZES		DIAMETER		LENGTH	RECOMMENDED HOLE SIZE
INTERNAL THREAD SIZE - UNIFIED	PART NUMBER - UNIFIED	INTERNAL THREAD SIZE - METRIC	PART NUMBER - METRIC	D	P	L	H+.003"/-.000
0-80	10B0008-125	M1 X 0.25	10B0010-125	.116	.095	.125	.100
2-56	10B02560-157	M2 X 0.4	10B0020-157	.142	.123	.157	.126
4-40	10B0440-226	M3 X 0.5	10B0030-226	.182	.153	.226	.157
6-32	10B0632-281	M3.5 X 0.6	10B0035-281	.215	.184	.281	.188
8-32	10B0832-321	M4 X 0.7	10B0040-321	.249	.217	.321	.221
10-32	10B1032-375	M5 X 0.8	10B0050-375	.279	.248	.375	.252
1/4-20	10B2520-500	M6 X 1	10B0060-500	.342	.311	.500	.315
5/16-18	10B3118-500	M8 X 1.25	10B0080-500	.404	.374	.500	.377
3/8-16	10B3716-500	M10 X 1.5	10B0100-500	.495	.465	.500	.468

Prototypes to Production Solution

SERIES 20 For Installation in tapered cored holes



INCH SIZES		METRIC SIZES		DIAMETER		LENGTH		RECOMMENDED HOLE SIZE	
INTERNAL THREAD SIZE - UNIFIED	PART NUMBER - UNIFIED	INTERNAL THREAD SIZE - METRIC	PART NUMBER - METRIC	D	P	(L) Reg.	(L) Short	H2 (+.001)	H2 (+.001)
0-80	20B0008-188			.141	.112	.188		.123	.107
0-80	20B0008-115			.141	.123		.115	.123	.118
2-56	20B0256-188	M2 X 0.40	20B0020-188	.141	.112	.188		.123	.107
2-56	20B0256-115	M2 X 0.40	20B0020-115	.141	.123		.115	.123	.118
4-40	20B0440-219	M2.5 X 0.45	20B0025-219	.172	.146	.219		.159	.141
4-40	20B0440-135	M2.5 X 0.45	20B0025-135	.172	.157		.135	.159	.153
6-32	20B0632-250	M3 X 0.5	20B0030-250	.219	.190	.250		.206	.185
		M3.5 X 0.6	20B0035-250	.219	.190	.250		.206	.185
6-32	20B0632-150	M3 X 0.5	20B0030-150	.219	.203		.150	.206	.199
		M3.5X0.6	20B0035-150	.219	.203		.150	.206	.199
8-32	20B0832-312	M4 X 0.7	20B0040-312	.250	.213	.312		.234	.208
8-32	20B0832-185	M4 X 0.7	20B0040-185	.250	.230		.185	.234	.226
10-24	20B1024-375	M5 X 0.8	20B0050-375	.297	.251	.375		.277	.246
10-24	20B1024-225	M5 X 0.8	20B0050-225	.297	.272		.225	.277	.267
10-32	20B1032-375			.297	.251	.375		.277	.246
10-32	20B1032-225			.297	.272		.225	.277	.267
1/4-20	20B2520-500	M6 X 1	20B0060-500	.375	.332	.500		.363	.321
1/4-20	20B2520-300	M6 X 1	20B0060-300	.375	.354		.300	.363	.349
5/16-18	20B3118-562	M8 X 1.25	20B0060-562	.469	.406	.562		.448	.401
5/16-18	20B3118-335	M8 X 1.25	20B0080-335	.469	.439		.335	.448	.431
3/8-16	20B3716-625	M10 X 1.5	20B0100-625	.563	.493	.625		.540	.486



When installing inserts into a boss, the minimum diameter "G" of the boss should be at least **1.5 times** the diameter of the insert.