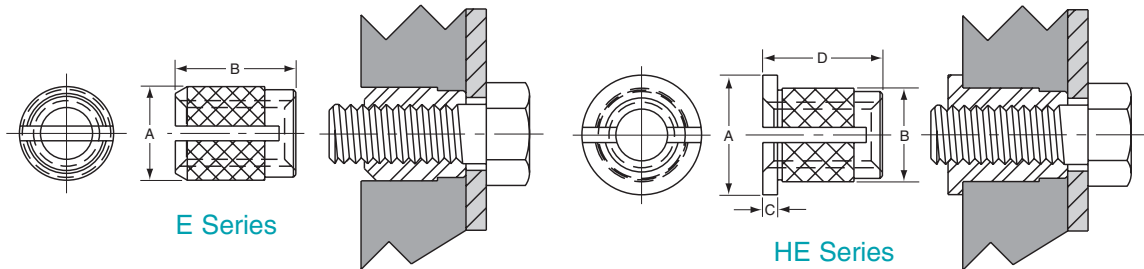
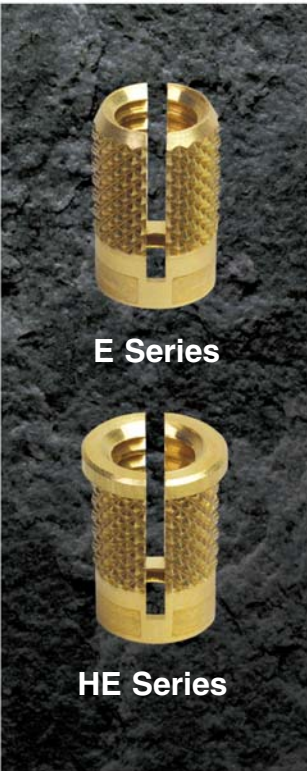


The E & HE Series Expansion inserts are designed to provide strong reusable threads in thermoset and other hard plastics. Inserts are pressed into the plastic and expand when the assembly screw is tightened. The sharp diamond knurling provides resistance to tensile and torque loads. The mating screw should be designed for full thread engagement. This will allow the insert to fully expand. For best results, the boss diameters should be approximately 2-1/2 times the recommended hole size. In “through-hole” applications, the HE Series flange adds greater strength for tensile pull loads.

Recommended Hole Size – See chart for installation hole size.
Additional information can be found on page 5, Design Guidelines.



E Series Inserts

INCH		METRIC		A ±.005	B ±.005	Hole Size +.003 –.000
Thread Size	Part Number	Thread Size	Part Number			
2-56	256 x 157E	M2.0 x 0.4	M20 x 157E	.136	.157	.126
4-40	440 x 188E	M3.0 x 0.5	M30 x 188E	.165	.189	.157
6-32	632 x 250E	M3.5 x 0.6	M35 x 250E	.197	.252	.185
8-32	832 x 312E	M4.0 x 0.7	M40 x 312E	.230	.315	.217
10-24	1024 x 375E	M5.0 x 0.8	M50 x 375E	.260	.374	.248
10-32	1032 x 375E			.260	.374	.248
1/4-20	2520 x 500E	M6.0 x 1.0	M60 x 500E	.327	.500	.311
5/16-18	3118 x 500E	M8.0 x 1.25	M80 x 500E	.390	.500	.374

HE Series Inserts

INCH		METRIC		A ±.005	B ±.005	C ±.005	D ±.005	Hole Size +.003 –.000
Thread Size	Part Number	Thread Size	Part Number					
2-56	H256 x 157E	M2.0 x 0.4	HM20 x 157E	.189	.136	.024	.157	.126
4-40	H440 x 188E	M3.0 x 0.5	HM30 x 188E	.220	.165	.024	.189	.157
6-32	H632 x 250E	M3.5 x 0.6	HM35 x 250E	.252	.197	.031	.252	.185
8-32	H832 x 312E	M4.0 x 0.7	HM40 x 312E	.283	.230	.031	.315	.217
10-24	H1024 x 375E	M5.0 x 0.8	HM50 x 375E	.315	.260	.039	.374	.248
10-32	H1032 x 375E			.315	.260	.039	.374	.248
1/4-20	H2520 x 500E	M6.0 x 1.0	HM60 x 500E	.374	.327	.051	.500	.311
5/16-18	H3118 x 500E	M8.0 x 1.25	HM80 x 500E	.433	.390	.051	.500	.374