



MTZ

Molded Thru Zert

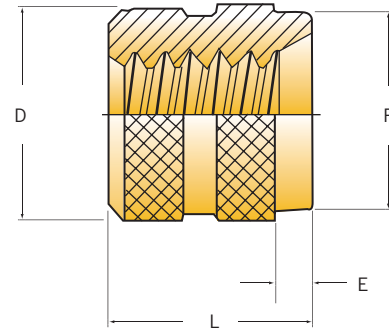
“Molded Thru-Hole Zert” is a molded-in type insert. Unlike the MBZ it has a through hole to allow a screw to pass through the insert. Multiple lengths are available to give a large variety of options.

Plastic Materials

PA-Filled	PVC	DMC
PPS	PP	BMC
PBT	PE	Phenolic
PC/ABS Blends	HDPE	Ureas
ABS	PPO	Tufnol
PA-Unfilled	PC	Polyurethane (ridgid)
POM (Acetal)	SMC	

Insert

MTZ



Installation

Molded-in Fully Automated

Materials

Brass Aluminum (Special Order)

Stainless Steel

Design Reference

“Molded Thru Zert” is designed to be molded in. The design of the insert allows plastic to flow around the knurls and into the grooves giving the fastener excellent performance in both thermoplastics and thermosetting plastics. Care should be taken to have a good fit between the core pin and the insert to prevent plastic from flowing into the threads. Available In Brass.(other materials may be available on request)

Molded Thru Zert Size Chart

Inch	Thread	L Insert Length	D Insert Dia.	P Pilot Dia.	E Pilot Length	Minor Dia. Min. / Max.	Part Number
	0 - 80	.125	.109	.078	.03	.0475 - .051	MTZ - 080 - 125
2 - 56	.125	.156	.142	.03	.068 - .0737	MTZ - 256 - 125	
4 - 40	.188	.188	.171	.03	.086 - .0939	MTZ - 440 - 188	
6 - 32	.219	.219	.202	.06	.105 - .114	MTZ - 632 - 219	
8 - 32	.250	.250	.226	.06	.131 - .139	MTZ - 832 - 250	
10 - 24	.281	.281	.259	.06	.146 - .156	MTZ - 1024 - 281	
10 - 32	.281	.281	.259	.06	.157 - .164	MTZ - 1032 - 281	
1/4 - 20	.375	.344	.321	.09	.197 - .207	MTZ - 2520 - 375	
1/4 - 28	.375	.344	.321	.09	.212 - .220	MTZ - 2528 - 375	
5/16 - 18	.469	.437	.404	.09	.260 - .265	MTZ - 3118 - 469	
3/8 - 16	.562	.500	.466	.09	.315 - .321	MTZ - 3716 - 562	

(All dimensions in inches)

Metric	Thread	L Insert Length	D Insert Dia.	P Pilot Dia.	E Pilot Length	Minor Dia. Min. / Max.	Part Number
	M3	4.77	4.77	4.34	0.78	2.47 - 2.59	MTZ - M3 - 4.77
M4	6.35	6.35	5.74	1.57	3.25 - 3.42	MTZ - M4 - 6.35	
M5	7.13	7.13	6.57	1.57	4.15 - 4.33	MTZ - M5 - 7.13	
M6	9.53	8.74	8.15	2.38	4.94 - 5.16	MTZ - M6 - 9.53	
M10	14.27	12.7	11.84	2.38	8.55 - 8.67	MTZ - M10 - 14.27	

(All dimensions in millimeters)

* Add "AL" to the end of the part number for Aluminum
ex: [MTZ-M5-7.13-AL](#)

* Add "SS" to the end of the part number for Stainless Steel
ex: [MTZ-M5-7.13-SS](#)