



# THZ

## Tapered Hole Zert

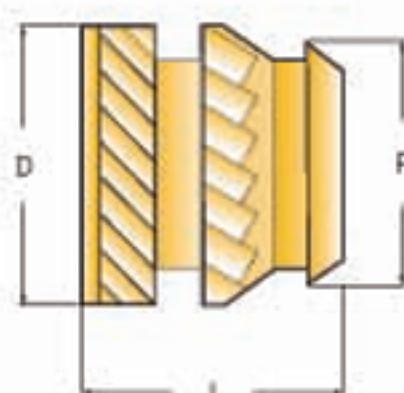
"Tapered Hole Zert" is designed to be used in a hole with an 8 degree inclusive taper at the top. This feature makes it a favorite with molders. The combination of knurls and vanes provide excellent pull-out and torque performance. Performance values are on page 34.

### Plastic Materials

PA- Filled	PVC
PPS	PP
PBT	PE
PC / ABS	HDPE
PA - Unfilled	PPO
POM (Acetal)	PC

### Single Barb

# THZ



### Installation

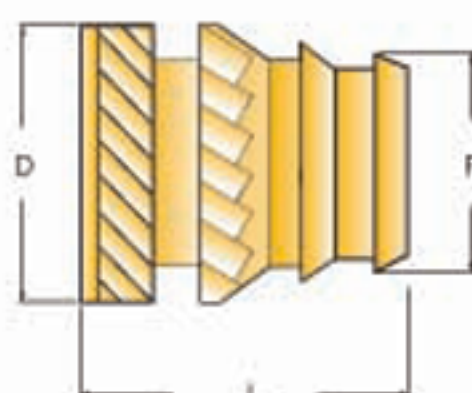
Heat Transfer	Molded-in
Ultrasonics	Fully Automated

### Materials

Brass	Stainless Steel
-------	-----------------

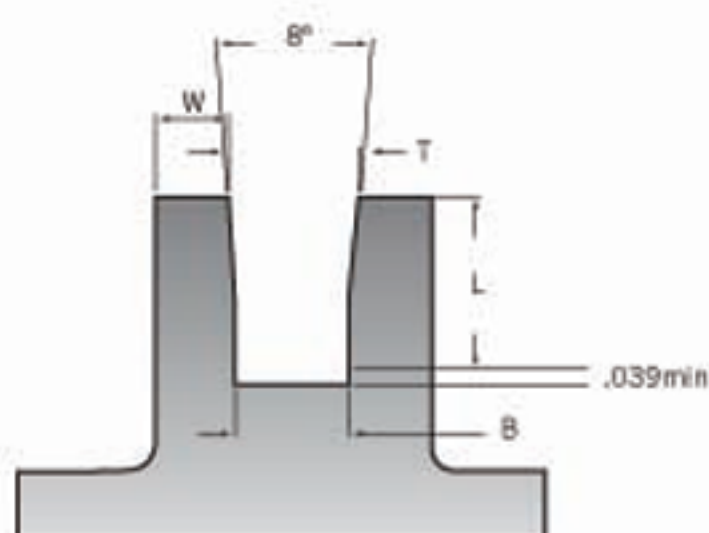
### Double Barb

# THZ



### Design Recommendations

"Tapered Zert" is designed to be installed into a hole with a 8° inclusive taper for approximately 2/3 its length and is straight for the remainder. Holes should not be counter sunk or counter bored as this will decrease the fasteners performance. When using heat to install the inserts, the heat should be sufficient to soften the plastic without it melting. This will allow for optimum performance without causing flash or degrading the plastic. Top of hole size tolerance  $\pm .001"$ . Bottom of hole size tolerances  $\pm .001"$ . Available In Brass. (other materials available on request)



THZ Tapered Hole Zert

## Tapered Hole Zert

### Size Chart

Inch	Thread	L Insert Length	D Insert Dia.	P Pilot End Dia.	T Top of Hole	B Bottom of Hole	W Min. Wall Thickness	Part Number
	0-80	.115* .188	196	.122 .115	123	.118 .107	.090	THZ-090-115 THZ-090-188
2-56	.115* .188	196	.122 .115	123	.118 .107	.090	THZ-256-115 THZ-256-188	
4-40	.135* .219	172	.157 .144	159	.153 .141	.093	THZ-440-135 THZ-440-219	
6-32	.150* .250	220	.208 .190	206	.199 .185	.116	THZ-632-150 THZ-632-250	
8-32	.185* .312	250	.230 .212	234	.226 .208	.133	THZ-832-188 THZ-832-312	
10-24	.225* .375	296	.272 .251	277	.267 .246	.159	THZ-1024-225 THZ-1024-375	
10-32	.225* .375	296	.272 .251	277	.267 .246	.159	THZ-1032-225 THZ-1032-375	
1/4-20	.300* .500	375	.354 .332	363	.349 .321	.194	THZ-2520-300 THZ-2520-500	
1/4-28	.300* .500	375	.354 .332	363	.349 .321	.194	THZ-2528-300 THZ-2528-500	
5/16-18	.335* .562	469	.439 .406	448	.431 .401	.245	THZ-3118-335 THZ-3118-562	
3/8-16	.375* .625	563	.530 .493	540	.523 .488	.293	THZ-3716-375 THZ-3716-625	

\* Single barbed style

(All dimensions in inches)

Metric	Thread	L Insert Length	D Insert Dia.	P Pilot End Dia.	T Top of Hole	B Bottom of Hole	W Min. Wall Thickness	Part Number
	M1	2.9* 4.8	3.45	3.10 2.92	3.12	3.00 2.72	2.03	THZ-M1-2.9 THZ-M1-4.8
M2	2.9* 4.8	3.45	3.10 2.92	3.12	3.00 2.72	2.03	THZ-M2-2.9 THZ-M2-4.8	
M2.5	3.4* 5.6	4.37	3.99 3.66	4.04	3.89 3.58	2.36	THZ-M2.5-3.4 THZ-M2.5-5.6	
M3	3.8* 6.4	5.59	5.16 4.83	5.23	5.05 4.70	2.95	THZ-M3-3.8 THZ-M3-6.4	
M3.5	3.8* 6.4	5.59	5.16 4.83	5.23	5.05 4.70	2.95	THZ-M3.5-3.8 THZ-M3.5-6.4	
M4	4.7* 7.9	6.35	5.94 5.38	5.94	5.74 5.28	3.38	THZ-M4-4.7 THZ-M4-7.9	
M5	6.7* 11.1	8.33	7.82 7.19	8.00	7.70 7.06	4.34	THZ-M5-6.7 THZ-M5-11.1	
M6	7.6* 12.7	9.52	8.99 8.43	9.22	8.96 8.15	4.93	THZ-M6-7.6 THZ-M6-12.7	
M8	8.5* 14.3	11.91	11.35 10.31	11.38	10.95 10.19	6.22	THZ-M8-8.5 THZ-M8-14.3	
M10	9.5* 15.9	14.30	13.46 12.52	13.72	13.28 12.40	7.44	THZ-M10-9.5 THZ-M10-15.9	

\* Add "SS" to the end of the part number for stainless steel  
ex: THZ-632-281-SS

(All dimensions in millimeters)

\* Single barbed style

THZ Tapered Hole Zert