



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

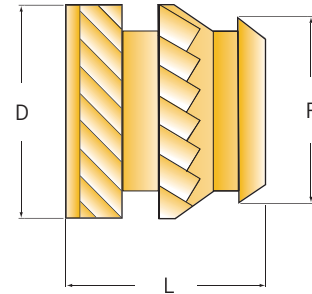
Installation

Heat Transfer	Molded-in
Ultrasonics	Fully Automated

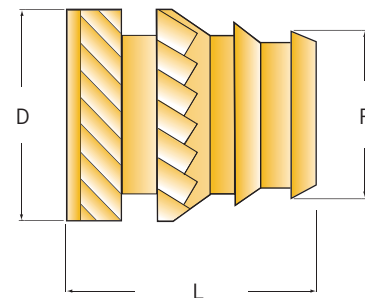
Materials

Brass	Stainless Steel
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Single Barb

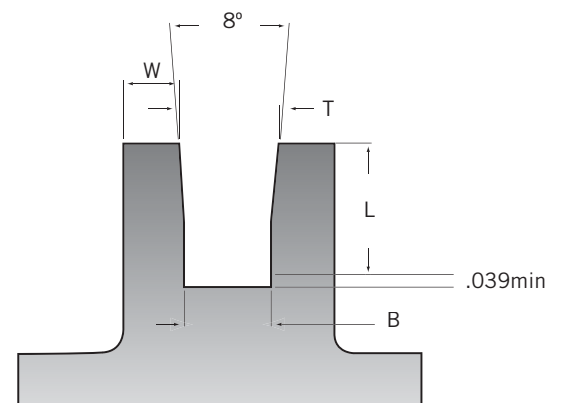


Double Barb



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)



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*	.136	.122	.123	.118	.080
		.188	.115		.107		THZ - 080 - 188	
2 - 56		.115*	.136	.122	.123	.118	.080	THZ - 256 - 115
		.188		.115		.107		THZ - 256 - 188
4 - 40		.135*	.172	.157	.159	.153	.093	THZ - 440 - 135
		.219		.144		.141		THZ - 440 - 219
6 - 32		.150*	.220	.203	.206	.199	.116	THZ - 632 - 150
		.250		.190		.185		THZ - 632 - 250
8 - 32		.185*	.250	.230	.234	.226	.133	THZ - 832 - 185
		.312		.212		.208		THZ - 832 - 312
10 - 24		.225*	.296	.272	.277	.267	.159	THZ - 1024 - 225
		.375		.251		.246		THZ - 1024 - 375
10 - 32		.225*	.296	.272	.277	.267	.159	THZ - 1032 - 225
		.375		.251		.246		THZ - 1032 - 375
1/4 - 20		.300*	.375	.354	.363	.349	.194	THZ - 2520 - 300
		.500		.332		.321		THZ - 2520 - 500
1/4 - 28		.300*	.375	.354	.363	.349	.194	THZ - 2528 - 300
		.500		.332		.321		THZ - 2528 - 500
5/16 - 18		.335*	.469	.439	.448	.431	.245	THZ - 3118 - 335
		.562		.406		.401		THZ - 3118 - 562
3/8 - 16		.375*	.563	.530	.540	.523	.293	THZ - 3716 - 375
		.625		.493		.488		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*	3.45	3.10	3.12	3.00	2.03
		4.8	2.92		2.72		THZ - M1 - 4.8	
M2		2.9*	3.45	3.10	3.12	3.00	2.03	THZ - M2 - 2.9
		4.8		2.92		2.72		THZ - M2 - 4.8
M2.5		3.4*	4.37	3.99	4.04	3.89	2.36	THZ - M2.5 - 3.4
		5.6		3.66		3.58		THZ - M2.5 - 5.6
M3		3.8*	5.59	5.16	5.23	5.05	2.95	THZ - M3 - 3.8
		6.4		4.83		4.70		THZ - M3 - 6.4
M3.5		3.8*	5.59	5.16	5.23	5.05	2.95	THZ - M3.5 - 3.8
		6.4		4.83		4.70		THZ - M3.5 - 6.4
M4		4.7*	6.35	5.84	5.94	5.74	3.38	THZ - M4 - 4.7
		7.9		5.38		5.28		THZ - M4 - 7.9
M5		6.7*	8.33	7.82	8.00	7.70	4.34	THZ - M5 - 6.7
		11.1		7.19		7.06		THZ - M5 - 11.1
M6		7.6*	9.52	8.99	9.22	8.86	4.93	THZ - M6 - 7.6
		12.7		8.43		8.15		THZ - M6 - 12.7
M8		8.5*	11.91	11.15	11.38	10.95	6.22	THZ - M8 - 8.5
		14.3		10.31		10.19		THZ - M8 - 14.3
M10		9.5*	14.30	13.46	13.72	13.28	7.44	THZ - M10 - 9.5
		15.9		12.52		12.40		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

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