



MNZ

Miniature Zert

“Miniature Zert” offers all the characteristics of the Twin Zert with a miniature design. This insert was designed for use in small moldings where space needs to be optimized. Installs using heat or ultrasonics.

Plastic Materials

PA- Filled	POM (Acetal)
PPS	PVC
PBT	PPO
PC / ABS Blends	PC
PA - Unfilled	

Installation

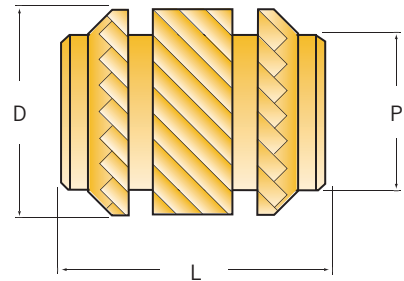
Heat Transfer	Fully Automated
Ultrasonics	

Materials

Brass	Aluminum (special order)
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Insert

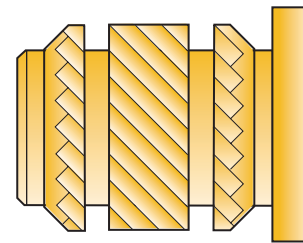
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Headed Insert

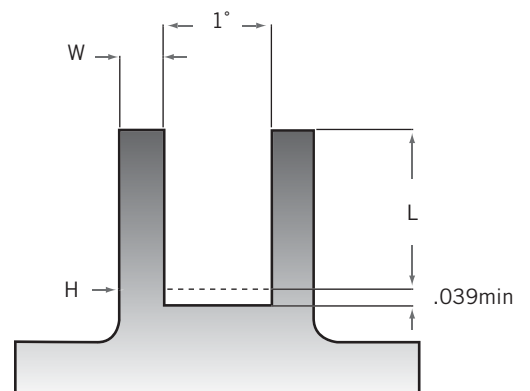
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**Technical details available upon request*



Design Recommendations

“Miniature Zert” is designed to be installed into a straight hole with a maximum of a 1° inclusive taper. Holes should not be counter sunk or counter bored as this will decrease the fasteners performance. The recommended hole size applies at the point reached by the bottom of the insert. Hole size tolerance $-0.000 + 0.002$ inches. When using heat to install the inserts, the heat should be sufficient to soften the plastic without melting it. This will allow for optimum performance without causing flash or degrading the plastic. Available In Brass or Aluminum. (other materials may be available on request)



Miniature Zert Size Chart

Metric	Thread	L Insert Length	D Insert Dia.	P Pilot End Dia.	H Hole Size +0.05 / -0.00mm	W Min. Wall Thickness	Part Number
	M1	2.50	2.10	1.70	1.75	0.70	MNZ - M1 - 2.50
M1.2	2.50	2.10	1.70	1.75	0.70	MNZ - M1.2 - 2.50	
M1.4	3.00	2.50	2.10	2.15	0.80	MNZ - M1.4 - 3.00	
M1.6	3.00	2.50	2.10	2.15	0.80	MNZ - M1.6 - 3.00	
M2.0	3.00	3.00	2.60	2.65	0.80	MNZ - M2 - 3.00	
M2.5	4.00	3.65	3.15	3.20	1.00	MNZ - M2.5 - 4.00	

* Add "AL" to the end of the part number for Aluminum
ex: MNZ-M1.4-3.00-AL

(All dimensions in millimeters)