



# PFZ

## Press Fin Zert

“Press Fin Zert” is a cold press-in insert designed to offer a free running thread in most thermoplastic materials. The combination of fins and a straight knurl offer excellent torque and pull out performance. Headed, Stud and Headed stud variations are available. *Performance values are on page 35.*

### Plastic Materials

ABS	PP
PA-Unfilled	PE
POM (Acetal)	HDPE
PVC	

### Installation

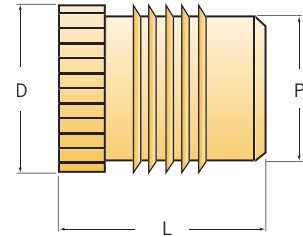
Simple Press	Fully Automated
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### Material

Brass

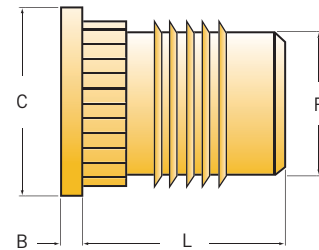
### Insert

## PFZ



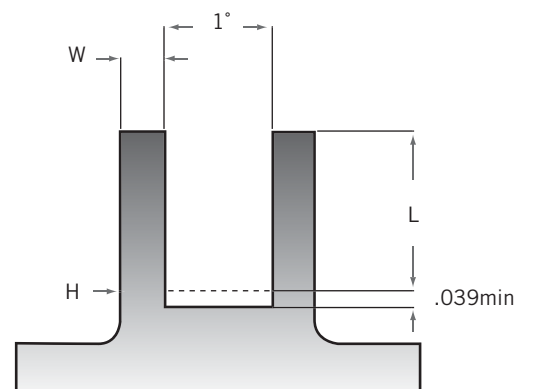
### Headed Insert

## PFZH



### Boss Design Reference

“Press Fin 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  $-0.000 + 0.004$  inches. The insert should be installed using a squeeze action press allowing the plastic to deform and recover around the insert. Available In Brass. (other materials may be available on request)



# Press Fin Zert

## Size Chart

Inch	Thread	L Insert Length	D Insert Dia.	P Pilot End Dia.	B Head Thickness	C Head Dia.	H Hole Size (+.004 -.000)	W Min. Wall Thickness	No. of Fins	P F Z Part Number	P F Z H Part Number
	2 - 56	.157	.147	.123	.018	.189	.126	.063	2	PFZ - 256 - 157	PFZH - 256 - 157
4 - 40	.187	.178	.154	.023	.217	.157	.079	3	PFZ - 440 - 187	PFZH - 440 - 187	
6 - 32	.250	.209	.185	.029	.250	.189	.094	4	PFZ - 632 - 250	PFZH - 632 - 250	
8 - 32	.312	.240	.218	.035	.281	.220	.110	5	PFZ - 832 - 312	PFZH - 832 - 312	
10 - 24	.375	.274	.248	.042	.312	.252	.126	5	PFZ - 1024 - 375	PFZH - 1024 - 375	
10 - 32	.375	.274	.248	.042	.312	.252	.126	5	PFZ - 1032 - 375	PFZH - 1032 - 375	
1/4 - 20	.500	.337	.310	.052	.375	.315	.157	7	PFZ - 2520 - 500	PFZH - 2520 - 500	
1/4 - 28	.500	.337	.310	.052	.375	.315	.157	7	PFZ - 2528 - 500	PFZH - 2528 - 500	
5/16 - 18	.500	.400	.374	.052	.433	.378	.189	7	PFZ - 3118 - 500	PFZH - 3118 - 500	
5/16 - 24	.500	.400	.374	.052	.433	.378	.189	7	PFZ - 3124 - 500	PFZH - 3124 - 500	

(All dimensions in inches)

Metric	Thread	L Insert Length	D Insert Dia.	P Pilot End Dia.	B Head Thickness	C Head Dia.	H Hole Size (+0.10 -0.00)	W Min. Wall Thickness	No. of Fins	P F Z Part Number	P F Z H Part Number
	M2	4.00	3.73	3.12	0.46	4.80	3.20	1.60	2	PFZ - M2 - 4.00	PFZH - M2 - 4.00
M2.5	4.75	4.52	3.91	0.58	5.51	4.00	2.00	3	PFZ - M2.5 - 4.75	PFZH - M2.5 - 4.75	
M3	4.75	4.52	3.91	0.58	5.51	4.00	2.00	4	PFZ - M3 - 4.75	PFZH - M3 - 4.75	
M3.5	6.35	5.31	4.70	0.74	6.35	4.80	2.39	5	PFZ - M3.5 - 6.35	PFZH - M3.5 - 6.35	
M4	7.92	6.10	5.54	0.89	7.14	5.60	2.79	5	PFZ - M4 - 7.92	PFZH - M4 - 7.92	
M5	9.53	6.96	6.30	1.07	7.92	6.40	3.20	5	PFZ - M5 - 9.53	PFZH - M5 - 9.53	
M6	12.70	8.56	7.87	1.32	9.53	8.00	3.99	7	PFZ - M6 - 12.70	PFZH - M6 - 12.70	
M8	12.70	10.16	9.50	1.32	11.00	9.60	4.80	7	PFZ - M8 - 12.70	PFZH - M8 - 12.70	

(All dimensions in millimeters)