



TSZ

Thermo Set Zert

“Thermo Set Zert” offers a sharp helical knurl pattern that broaches into Thermo Set materials. Headed, Stud and Headed Stud variations are available. *Performance values are on page 36.*

Plastic Materials

Thermosetting Polyester	BMC
Epoxy Resins	Phenolic
SMC	Ureas
DMC	Tufnol

Installation

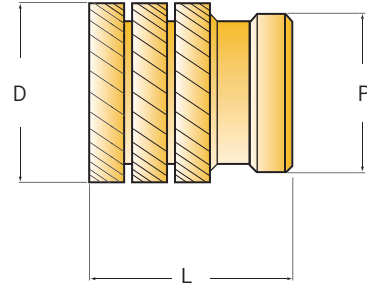
Heat Transfer	Fully Automated
Simple Press	Molded-in

Materials

Brass	Aluminum (special order)
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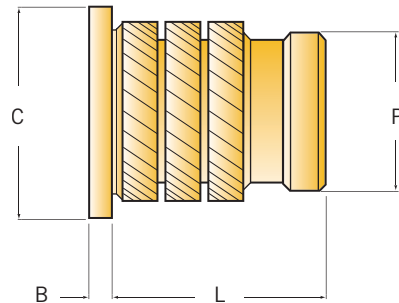
Insert

TSZ



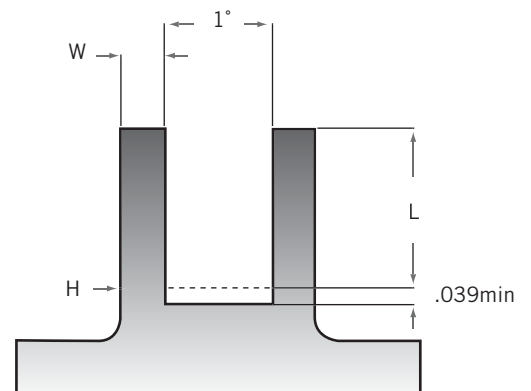
Headed Insert

TSZH



Boss Design Reference

“Thermo Set 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 broaches as it is pressed into the hole. The Insert must be allowed to rotate during installation. Available In Brass. (other materials may be available on request)



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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	TSZ Part Number	TSZH Part Number
	2 - 56	.162	.131	.117	.020	.187	.122	.063	TSZ - 256 - 162	TSZH - 256 - 162
4 - 40	.208	.165	.146	.023	.218	.150	.079	TSZ - 440 - 208	TSZH - 440 - 208	
6 - 32	.247	.196	.178	.029	.250	.181	.098	TSZ - 632 - 247	TSZH - 632 - 247	
8 - 32	.292	.228	.209	.035	.281	.213	.098	TSZ - 832 - 292	TSZH - 832 - 292	
10 - 24	.326	.259	.241	.042	.312	.244	.098	TSZ - 1024 - 326	TSZH - 1024 - 326	
10 - 32	.326	.259	.241	.042	.312	.244	.098	TSZ - 1032 - 326	TSZH - 1032 - 326	
1/4 - 20	.362	.322	.304	.052	.375	.307	.110	TSZ - 2520 - 362	TSZH - 2520 - 362	
1/4 - 28	.362	.322	.304	.052	.375	.307	.110	TSZ - 2528 - 362	TSZH - 2528 - 362	
5/16 - 18	.362	.383	.365	.052	.437	.366	.150	TSZ - 3118 - 362	TSZH - 3118 - 362	
5/16 - 24	.362	.383	.365	.052	.437	.366	.150	TSZ - 3124 - 362	TSZH - 3124 - 362	
3/8 - 16	.362	.499	.481	.062	.551	.484	.197	TSZ - 3716 - 362	TSZH - 3716 - 362	
3/8 - 24	.362	.499	.481	.062	.551	.484	.197	TSZ - 3724 - 362	TSZH - 3724 - 362	

(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	TSZ Part Number	TSZH Part Number
	M2	4.11	3.33	2.97	0.51	4.75	3.10	1.60	TSZ - M2 - 4.11	TSZH - M2 - 4.11
M2.5	5.28	4.19	3.71	0.58	5.54	3.80	2.00	TSZ - M2.5 - 5.28	TSZH - M2.5 - 5.28	
M3	5.28	4.19	3.71	0.58	5.54	3.80	2.00	TSZ - M3 - 5.28	TSZH - M3 - 5.28	
M3.5	6.27	4.98	4.52	0.74	6.35	4.60	2.49	TSZ - M3.5 - 6.27	TSZH - M3.5 - 6.27	
M4	7.42	5.79	5.31	0.89	7.14	5.40	2.49	TSZ - M4 - 7.42	TSZH - M4 - 7.42	
M5	8.28	6.58	6.12	1.07	7.92	6.20	2.49	TSZ - M5 - 8.28	TSZH - M5 - 8.28	
M6	9.19	8.18	7.72	1.32	9.53	7.80	2.79	TSZ - M6 - 9.19	TSZH - M6 - 9.19	
M8	9.19	9.73	9.27	1.32	11.10	9.30	3.81	TSZ - M8 - 9.19	TSZH - M8 - 9.19	
M10	9.19	12.67	12.22	1.57	13.99	12.30	5.00	TSZ - M10 - 9.19	TSZH - M10 - 9.19	

* Add "AL" to the end of the part number for Aluminum
ex: TSZ-M3-5.79-AL

(All dimensions in millimeters)

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