

Molded Hex Zerts

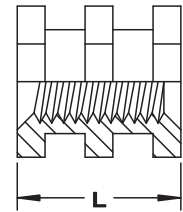
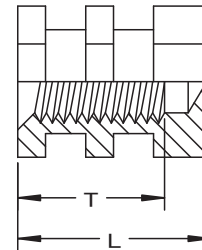
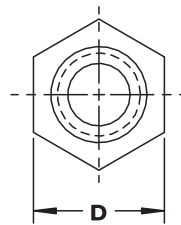
FEATURES

- Hex shape provides high torque-out resistance when molded in soft thermoplastic materials.
- An excellent choice for rotational molding applications.
- Available with blind or thru-hole threads.
- Inserts with thru-hole threads are symmetrical and may be used from either end.
- Standard insert material is brass. Other materials available by request.



PART DESCRIPTION EXAMPLE

HXZ — 832 — 394 — BLIND
 ↓ ↓ ↓
 Thread Length Type
 Code Code Code¹



Type Code
BLIND

Type Code
THRU

(1) BLIND type code designates insert with blind threads.
Substitute BLIND with THRU for insert with thru-hole threads.

GENERAL - BLIND

INCH	Insert Thread	Insert Thread Code	L Insert Length	Insert Length Code	D Width Across Flats	T Min. Thread Depth	Number of Vanes ¹
	4-40	440	.315	315	.236	.200	3
	6-32	632	.375	375	.250	.219	3
	8-32	832	.394	394	.315	.250	3
	10-24	1024	.394	394	.315	.208	3
			.591	591		.417	4
			.748	748		.583	5
	10-32	1032	.394	394	.315	.250	3
			.591	591		.438	4
			.748	748		.563	5
	1/4-20	2520	.591	591	.394	.375	4
	5/16-18	3118	.630	630	.472	.390	4
			.748	748	.551	.438	5
	3/8-16	3716	.984	984		.688	5

(1) Vanes may not be of equal width or spacing.

(2) Custom sizes available by request.

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GENERAL - BLIND (CONTINUED)

METRIC	Insert Thread	Insert Thread Code	L Insert Length	Insert Length Code	D Width Across Flats	T Min. Thread Depth	Number of Vanes ¹
	M3 x 0.5	M3	8.00	8.00	6.00	5.00	3
	M4 x 0.7	M4	10.00	10.00	8.00	6.30	3
	M5 x 0.8	M5	10.00	10.00	8.00	6.40	3
			15.00	15.00		11.00	4
			19.00	19.00		12.80	5
	M6 x 1.0	M6	15.00	15.00	10.00	11.00	4
	M8 x 1.25	M8	16.00	16.00	12.00	13.75	4
	M10 x 1.5	M10	19.00	19.00	14.00	15.00	5
			25.00	25.00		18.00	5

(1) Vanes may not be of equal width or spacing.

(2) Custom sizes available by request.

GENERAL - THRU

INCH	Insert Thread	Insert Thread Code	L Insert Length	Insert Length Code	D Width Across Flats	Number of Vanes
	4-40	440	.236	236	.236	2
	6-32	632	.250	250	.250	2
	8-32	832	.315	315	.315	3
	10-24	1024	.315	315	.315	3
			.394	394		3
	10-32	1032	.315	315	.315	3
			.394	394		3
	1/4-20	2520	.394	394	.394	3
			.472	472		3
	5/16-18	3118	.472	472	.472	3
			.630	630		4
	3/8-16	3716	.551	551	.551	3
			.748	748		4

(1) Custom sizes available by request.

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GENERAL - THRU (CONTINUED)

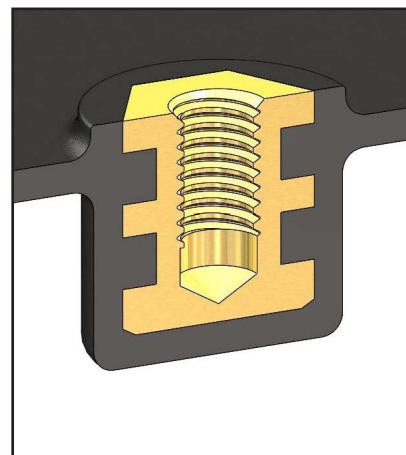
METRIC	Insert Thread	Insert Thread Code	L Insert Length	Insert Length Code	D Width Across Flats	Number of Vanes
	M3 x 0.5	M3	6.00	6.00	6.00	2
	M4 x 0.7	M4	8.00	8.00	8.00	3
	M5 x 0.8	M5	8.00	8.00	8.00	3
			10.00	10.00		3
	M6 x 1.0	M6	10.00	10.00	10.00	3
			12.00	12.00		3
	M8 x 1.25	M8	12.00	12.00	12.00	3
			16.00	16.00		4
	M10 x 1.5	M10	14.00	14.00	14.00	3
			19.00	19.00		4

(1) Custom sizes available by request.

INSTALLATION

The HXZ Molded Hex Zert should be placed on a core pin prior to molding into the host plastic. For rotational molding applications, a threaded or pin with detent features is typically used.

For more information go to www.pencomsf.com



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