



MBZ Inch Size Chart

Molded Blind Zert

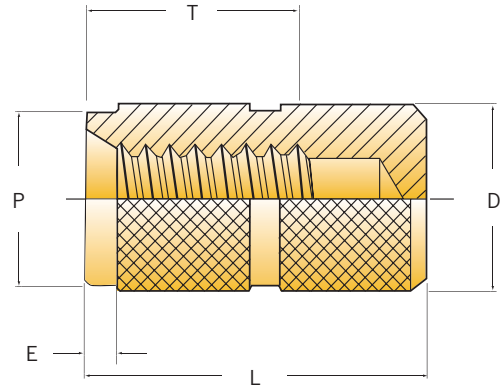
“Molded Blind Zert” has a blind bottom to prevent plastic material from contaminating the inner thread. MBZ multiple lengths provide the design engineer with a large variety of options to choose from.

Plastic Materials

PA-Filled	PVC	DMC
PPS	PP	BMC
PBT	PE	Phenolic
PC/ABS Blends	HDPE	Ureas
ABS	PPO	Tufnol
PA-Unfilled	PC	Polyurethane (rigid)
POM (Acetal)	SMC	

Insert

MBZ



Installation

Molded-in Fully Automated

Materials

Brass Stainless Steel

Design Reference

“Molded Blind Zert” is designed to be molded in. The design of the insert allows plastic to flow around the knurls and into the grooves giving the fastener excellent performance in both thermoplastics and thermosetting plastics. Care should be taken to have a good fit between the core pin and the insert to prevent plastic from flowing into the threads. Available In Brass and Stainless Steel.(other materials may be available on request)

Molded Blind Zert

Inch Size Chart

Thread Size	D Stock Dia. Before Knurl	P Pilot Dia.	E Pilot Length	Minor Dia min/max
2 - 56	0.156	0.142	0.030	.067 / .0737
4 - 40	0.188	0.171	0.030	.086 / .0939
6 - 32	0.219	0.202	0.060	.105 / .114
8 - 32	0.250	0.226	0.060	.131 / .139
10 - 24	0.281	0.259	0.060	.146 / .156
10 - 32	0.281	0.259	0.060	.157 / .164
1/4 - 20	0.344	0.321	0.090	.197 / .207
5/16 - 18	0.438	0.404	0.094	.260 / .265
3/8 - 16	0.500	0.466	0.094	.309 / .321

* Add "SS" to the end of the part number for Stainless Steel
ex: MBZ-832-344SS

Inch	Thread	L Length	T Thread Depth	M B Z Part Number
	2 - 56		0.156	0.080
		0.219	0.140	MBZ-256-219
		0.250	0.170	MBZ-256-250
		0.290	0.178	MBZ-256-290
		0.312	0.215	MBZ-256-312
		0.330	0.214	MBZ-256-330
		0.344	0.250	MBZ-256-344
4 - 40		0.188	0.100	MBZ-440-188
		0.205	0.100	MBZ-440-205
		0.281	0.170	MBZ-440-281
		0.344	0.230	MBZ-440-344
		0.406	0.280	MBZ-440-406
		0.438	0.325	MBZ-440-438
		0.468	0.300	MBZ-440-468
		0.219	0.125	MBZ-632-219
6 - 32		0.250	0.130	MBZ-632-250
		0.344	0.210	MBZ-632-344
		0.406	0.270	MBZ-632-406
		0.469	0.335	MBZ-632-469
		0.484	0.312	MBZ-632-484
		0.531	0.395	MBZ-632-531
		0.250	0.130	MBZ-832-250
8 - 32		0.344	0.220	MBZ-832-344
		0.406	0.285	MBZ-832-406
		0.469	0.345	MBZ-832-469
		0.484	0.312	MBZ-832-484
		0.531	0.395	MBZ-832-531
10 - 24		0.312	0.166	MBZ-1024-312
		0.356	0.155	MBZ-1024-356
		0.438	0.250	MBZ-1024-438
		0.469	0.345	MBZ-1024-469
		0.531	0.333	MBZ-1024-531
		0.625	0.416	MBZ-1024-625
		0.656	0.500	MBZ-1024-656
	0.716	0.405	MBZ-1024-716	

Inch	Thread	L Length	T Thread Depth	M B Z Part Number
	10 - 32		0.281	0.155
		0.438	0.240	MBZ-1032-438
		0.469	0.345	MBZ-1032-469
		0.531	0.405	MBZ-1032-531
		0.344	0.200	MBZ-2520-344
1/4 - 20		0.375	0.200	MBZ-2520-375
		0.531	0.355	MBZ-2520-531
		0.625	0.450	MBZ-2520-625
		0.688	0.500	MBZ-2520-688
		0.719	0.540	MBZ-2520-719
		0.819	0.640	MBZ-2520-819
		0.750	0.600	MBZ-2520-750
5/16 - 18		0.438	0.240	MBZ-3118-438
		0.469	0.222	MBZ-3118-469
		0.594	0.330	MBZ-3118-594
		0.719	0.490	MBZ-3118-719
		0.811	0.554	MBZ-3118-811
3/8 - 16		0.949	0.720	MBZ-3118-949
		0.500	0.275	MBZ-3716-500
		0.562	0.250	MBZ-3716-562
		0.688	0.430	MBZ-3716-688
		0.812	0.550	MBZ-3716-812
		0.935	0.660	MBZ-3716-935
		1.000	0.765	MBZ-3716-1000

MBZ Molded Blind Zert



MBZ Metric Size Chart

Molded Blind Zert

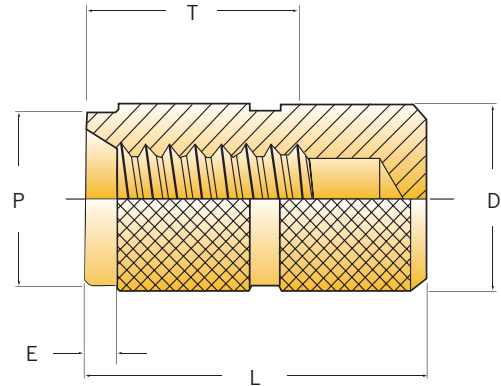
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Molded Blind Zert

Metric Size Chart

Thread Size	D Stock Dia. Before Knurl	P Pilot Dia.	E Pilot Length	Minor Dia min/max
M2	3.96	3.58	0.8	1.58 / 1.67
M2.5	4.78	4.34	0.8	2.03 / 2.14
M3	4.78	4.34	0.8	2.48 / 2.59
M3.5	5.56	5.13	1.6	2.87 / 3.01
M4	6.35	5.74	1.6	3.26 / 3.42
M5	7.14	6.58	1.6	4.15 / 4.34
M6	8.74	8.15	2.4	4.94 / 5.15
M8	11.13	10.26	2.4	6.78 / 6.91

* Add "SS" to the end of the part number for Stainless Steel
ex:MBZ-M3-8.73-SS

Metric	Thread	L Length	T Thread Depth	M B Z Part Number
	M2		3.96	1.60
		5.56	2.40	MBZ-M2-5.56
		6.35	3.20	MBZ-M2-6.35
		7.37	4.00	MBZ-M2-7.37
		8.38	4.80	MBZ-M2-8.38
M2.5		4.78	2.41	MBZ-M2.5-4.78
		6.35	3.68	MBZ-M2.5-6.35
		7.14	4.57	MBZ-M2.5-7.14
		9.53	5.46	MBZ-M2.5-9.53
		10.31	6.35	MBZ-M2.5-10.31
M3		4.78	2.00	MBZ-M3-4.78
		5.20	2.50	MBZ-M3-5.20
		7.13	4.30	MBZ-M3-7.13
		8.73	5.80	MBZ-M3-8.73
		10.31	7.10	MBZ-M3-10.31
		11.13	8.30	MBZ-M3-11.13
M3.5		11.89	6.00	MBZ-M3-11.89
		5.56	2.40	MBZ-M3.5-5.56
		6.35	3.30	MBZ-M3.5-6.35
		8.73	5.60	MBZ-M3.5-8.73
		10.31	7.20	MBZ-M3.5-10.31
		11.91	8.80	MBZ-M3.5-11.91
		12.29	6.00	MBZ-M3.5-12.29
	13.48	10.00	MBZ-M3.5-13.48	

Metric	Thread	L Length	T Thread Depth	M B Z Part Number
	M4		6.35	3.30
		8.73	5.60	MBZ-M4-8.73
		10.31	7.20	MBZ-M4-10.31
		11.91	8.80	MBZ-M4-11.91
		12.29	7.00	MBZ-M4-12.29
		13.48	10.00	MBZ-M4-13.48
M5		7.13	3.90	MBZ-M5-7.13
		11.12	6.10	MBZ-M5-11.12
		11.91	8.80	MBZ-M5-11.91
		13.48	10.30	MBZ-M5-13.48
M6		8.73	4.83	MBZ-M6-8.73
		9.53	4.00	MBZ-M6-9.53
		13.49	7.62	MBZ-M6-13.49
		15.87	9.53	MBZ-M6-15.87
		17.48	10.00	MBZ-M6-17.48
		18.26	11.57	MBZ-M6-18.26
		19.05	12.00	MBZ-M6-19.05
		20.80	13.59	MBZ-M6-20.80
M8		11.13	5.71	MBZ-M8-11.13
		11.91	5.00	MBZ-M8-11.91
		15.09	8.64	MBZ-M8-15.09
		18.24	11.55	MBZ-M8-18.24
		20.62	14.09	MBZ-M8-20.62
		22.23	15.74	MBZ-M8-22.23