

Knife Thread Inserts

- Brass
- Use with hardwoods

External knife threads with slotted drive hold firm without crushing.

Note: Stainless steel knife thread inserts are available on Grainger.com.



Internal Thread Size	Length	Drill Size	Power Driver	Item No.	Pkg. Qty.
#4-40	3/8 in	1/4 in	—	4ZU54	50
	3/8 in	1/4 in	—	4KXP3	250
	3/8 in	1/4 in	—	4ZU55	25
#6-32	3/8 in	1/4 in	4ZE51	4KXP4	250
	3/8 in	1/4 in	4ZE51	4ZU56	50
	3/8 in	1/4 in	4ZE52	4KXP5	250
#8-32	3/8 in	1/4 in	4ZE52	4ZU58	25
	1/2 in	3/8 in	4ZE53	4KXP6	250
	1/2 in	3/8 in	4ZE53	4ZU59	25
#10-24	1/2 in	3/8 in	4ZE53	4KXP7	250
	1/2 in	3/8 in	4ZE54	4ZU61	25
	1/2 in	3/8 in	4ZE54	4KXP8	250
1/4"-20	1/2 in	3/8 in	4ZE54	4ZU62	25
	1/2 in	1/2 in	4ZE55	4ZU64	25
	1/2 in	1/2 in	4ZE55	4KXP9	100
1/4"-28	1/2 in	1/2 in	4ZE55	4ZU65	25
	1/2 in	1/2 in	4ZE56	4ZU66	25
	1/2 in	1/2 in	4ZE56	4KXR1	100
3/16"-18	1/2 in	1/2 in	4ZE56	4ZU67	25
	1/2 in	1/2 in	4ZE56	4ZU69	10
	1/2 in	1/2 in	4ZE53	4ZU70	10
5/16"-24	1/2 in	1/2 in	4ZE54	4ZU71	10
	1/2 in	1/2 in	4ZE55	4ZU72	10
	1/2 in	1/2 in	4ZE55	4ZU72	10

Thread Insert Power Drivers

Install thread inserts without engaging the threads. Drivers ensure inserts are installed at the proper depth.



Use With Internal Thread Size	Item No.	Use With Internal Thread Size	Item No.
1/4 in Shank		3/8 in Shank	
#6	4ZE51	3/8 in, M10	4ZE56
#8, M4, M5	4ZE52	7/16 in, M12	4ZE57
#10	4ZE53	1/2 in, 9/16 in	4ZE58
1/4 in, M6	4ZE54	9/16 in, M16	4ZE59
3/8 in, M8	4ZE55	3/4 in	4ZE60
M4 Hex	4ZU82	M8 Hex	4ZY12
M5 Hex	4ZU85	M10 Hex	4ZY13
M6 Hex	4ZU86		

Internal Thread Size	External Thread Size	Length	Wall Type	Drill Size	Power Driver	Item No.	Pkg. Qty.
#4-40	#10-32	1/4 in	Heavy Wall	5/32 in	—	4ZY16	10
	1/4"-20	5/32 in	Heavy Wall	7	4ZE51	4ZB93	10
	M6-1.00	6.5 mm	Heavy Wall	5.1mm	4ZE51	4ZE61	5
#6-32	3/16"-18	19/64 in	Heavy Wall	F	4ZE52	4ZB94	10
	M8-1.25	7.5 mm	Heavy Wall	6.9mm	4ZE52	4ZE62	5
	3/16"-18	9/16 in	Thin Wall	I	4ZE53	4ZB81	10
#10-24	3/16"-18	13/32 in	Heavy Wall	9/16 in	4ZE53	4ZE14	10
	M8-1.25	7.5 mm	Heavy Wall	6.9mm	4ZE53	4ZE63	5
	3/16"-18	9/16 in	Thin Wall	I	4ZE53	4ZB82	10
#10-32	3/16"-18	13/32 in	Heavy Wall	9/16 in	4ZE53	4ZE15	10
	M8-1.25	7.5 mm	Heavy Wall	6.9mm	4ZE53	4ZE64	5
	3/16"-18	9/16 in	Thin Wall	Q	4ZE54	4ZB83	10
1/4"-20	1/16"-14	7/16 in	Heavy Wall	23/64 in	4ZE54	4ZE16	10
	M10-1.50	10.5 mm	Heavy Wall	8.6mm	4ZE54	4ZE65	5
	1/2"-13	33/64 in	Extra Heavy Wall	27/64 in	4ZE54	4ZE30	10
1/4"-28	3/8"-16	3/8 in	Thin Wall	Q	4ZE54	4ZB84	10
	1/16"-14	7/16 in	Heavy Wall	23/64 in	4ZE54	4ZE17	10
	1/16"-14	7/16 in	Thin Wall	X	4ZE55	4ZB85	10
5/16"-18	1/2"-13	33/64 in	Heavy Wall	27/64 in	4ZE55	4ZE18	10
	M12-1.75	12.5 mm	Heavy Wall	10.4mm	4ZE55	4ZE66	5
	3/16"-12	33/64 in	Extra Heavy Wall	3/8 in	4ZE55	4ZE31	10
5/16"-24	1/2"-13	33/64 in	Thin Wall	X	4ZE55	4ZB86	10
	1/2"-13	33/64 in	Heavy Wall	27/64 in	4ZE55	4ZE19	10
	1/2"-13	1/2 in	Thin Wall	29/64 in	4ZE56	4ZB87	10
3/8"-16	3/16"-12	33/64 in	Heavy Wall	33/64 in	4ZE56	4ZE20	10
	M16-2.00	17 mm	Heavy Wall	14mm	4ZE56	4ZE67	5
	3/8"-11	21/32 in	Extra Heavy Wall	17/32 in	4ZE56	4ZE32	5
3/8"-24	1/2"-13	1/2 in	Thin Wall	29/64 in	4ZE56	4ZB88	10
	3/16"-12	33/64 in	Heavy Wall	33/64 in	4ZE56	4ZE21	10
	3/16"-12	9/16 in	Thin Wall	33/64 in	4ZE57	4ZB89	5
7/16"-14	5/8"-11	21/32 in	Heavy Wall	17/32 in	4ZE57	4ZE22	5
	3/16"-12	33/64 in	Thin Wall	33/64 in	4ZE57	4ZB90	5
	5/8"-11	21/32 in	Heavy Wall	17/32 in	4ZE57	4ZE23	5
7/16"-20	5/8"-11	21/32 in	Thin Wall	33/64 in	4ZE58	4ZB91	5
	3/4"-10	21/32 in	Heavy Wall	21/32 in	4ZE58	4ZE24	5
	3/4"-10	1 in	Heavy Wall	21/32 in	4ZE58	4ZE25	5
1/2"-13	M16-2.00	1 mm	Heavy Wall	14mm	4ZE58	4ZE68	5
	7/8"-9	1 1/16 in	Extra Heavy Wall	49/64 in	4ZE58	4ZE33	5
	3/8"-11	5/8 in	Thin Wall	33/64 in	4ZE58	4ZB92	5
1/2"-20	3/4"-10	21/32 in	Heavy Wall	21/32 in	4ZE58	4ZE26	5
	3/4"-10	21/32 in	Heavy Wall	21/32 in	4ZE58	4ZE27	5
	3/4"-10	21/32 in	Heavy Wall	21/32 in	4ZE58	4ZE28	5
5/8"-11	7/8"-9	1 1/16 in	Heavy Wall	49/64 in	4ZE59	4ZB95	5
	7/8"-9	1 1/8 in	Heavy Wall	49/64 in	4ZE59	4ZB96	5
	1"-8	25/32 in	Extra Heavy Wall	1/8 in	—	4ZE29	5



Flush



Flanged

Hex Drive Thread Inserts

- Die cast zinc alloy
- Use with soft woods, composition board, and MDF
- Install with a standard hex key or power driver

Flush models are for installation on curves or below surfaces. Flanged models help control the insert depth. For knock-down furniture, shipping crates, and cabinetry.

Internal Thread Size	Length	Drill Size	Hex Key Size	Power Driver	Item No.	Pkg. Qty.
Flush						
#8-32	25/64 in	1/64 in	M4	4ZU82	4ZU75	100
#10-24	33/64 in	9/32 in	M5	4ZU85	4ZU76	50
#10-32	33/64 in	9/32 in	M5	4ZU85	4ZU77	50
1/4"-20	25/32 in	23/64 in	M6	4ZU86	4ZU78	100
	25/32 in	23/64 in	M6	4ZU86	4ZU79	100
	25/32 in	7/16 in	M8	4ZY12	4ZU83	50
5/16"-18	25/32 in	7/16 in	M8	4ZY12	4ZU84	50
	25/32 in	7/16 in	M8	4ZY12	4ZU85	50
	25/32 in	7/16 in	M8	4ZY12	4ZU86	50
M6-1.00	25/32 in	23/64 in	M6	4ZU86	4ZU87	50
	25/32 in	23/64 in	M6	4ZU86	4ZU88	50
	25/32 in	7/16 in	M8	4ZY12	4ZU80	25
M8-1.25	25/32 in	7/16 in	M8	4ZY12	4ZU81	25
Flanged						
#8-32	25/64 in	1/64 in	M4	4ZU82	4ZU89	100
#10-24	1/16 in	9/32 in	M5	4ZU85	4ZU90	50
	25/32 in	9/32 in	M5	4ZU85	4ZU91	50
	1/16 in	9/32 in	M5	4ZU85	4ZU92	50
#10-32	33/64 in	9/32 in	M5	4ZU85	4ZU93	50
	25/32 in	9/32 in	M5	4ZU85	4ZU94	25
	33/64 in	23/64 in	M6	4ZU86	4ZU95	100
1/4"-20	25/32 in	23/64 in	M6	4ZU86	4ZU96	100
	25/32 in	23/64 in	M6	4ZU86	4ZU97	50
	25/32 in	7/16 in	M10	4ZY13	4ZU98	25
3/8"-16	25/32 in	3/8 in	M10	4ZY13	4ZU99	25
	25/32 in	7/16 in	M8	4ZY12	4ZY14	50
	25/32 in	7/16 in	M8	4ZY12	4ZY15	25
5/16"-18	25/32 in	7/16 in	M8	4ZY12	4ZY16	25
	25/32 in	7/16 in	M8	4ZY12	4ZY17	25
	25/32 in	7/16 in	M8	4ZY12	4ZY18	25
M6-1.00	25/32 in	23/64 in	M6	4ZU86	4ZU98	50
	25/32 in	23/64 in	M6	4ZU86	4ZU99	50
	25/32 in	7/16 in	M8	4ZY12	4ZY10	25
M8-1.25	25/32 in	7/16 in	M8	4ZY12	4ZY11	25

E-Z LOK Self-Locking Thread Inserts

- Carbon steel

Adhesive on the external threads activates immediately after installation, locking the insert into place and sealing against liquids and gases to pressures of 6000 psi.

Note: Internal thread class for internal thread sizes is 2B; 6H for metric sizes. External thread class for external inch thread sizes is 2A; 6G for metric sizes.

303 stainless steel available; on Grainger.com.



Internal Thread Size	External Thread Size	Length	Wall Type	Drill Size	Power Driver	Item No.	Pkg. Qty.
3/8"-18	1/2"-9	1 1/16 in	Heavy Wall	33/64 in	4ZE59	4ZB97	5
3/4"-10	1"-8	25/32 in	Heavy Wall	7/8 in	4ZE60	4ZB98	5
3/4"-16	1"-8	25/32 in	Heavy Wall	7/8 in	4ZE60	4ZB99	5
1/2"-9	1 1/4"-7	1 1/8 in	Heavy Wall	1 1/4 in	—	4ZE10	5
1/2"-14	1 1/4"-7	1 1/8 in	Heavy Wall	1 1/4 in	—	4ZE11	5
1"-8	1 3/8"-12	1 1/4 in	Heavy Wall	1 3/8 in	—	4ZE12	5
1"-14	1 3/8"-12	1 1/4 in	Heavy Wall	1 3/8 in	—	4ZE13	5
M3-0.50	M6-1.00	6.5 mm	Heavy Wall	5.1mm	—	4ZE38	10
M4-0.70	M8-1.25	7.5 mm	Heavy Wall	6.9mm	4ZE52	4ZE39	10
M5-0.80	M8-1.25	7.5 mm	Heavy Wall	6.9mm	4ZE52	4ZE40	10
M6-1.00	M10-1.50	10.5 mm	Heavy Wall	8.6mm	4ZE54	4ZE41	5
	3/8"-16	13/32 in	Heavy Wall	9/16 in	4ZE54	4ZE42	5
	M12-1.75	12.5 mm	Heavy Wall	10.4mm	4ZE55	4ZE43	5
M8-1.25	1/2"-13	33/64 in	Heavy Wall	27/64 in	4ZE55	4ZE44	10
	3/16"-12	33/64 in	Heavy Wall	33/64 in	4ZE56	4ZE45	5
	M16-2.00	17 mm	Heavy Wall	14mm	4ZE56	4ZE46	5
M10-1.50	3/8"-12	33/64 in	Heavy Wall	33/64 in	4ZE57	4ZE47	10
	1/2"-13	33/64 in	Heavy Wall	27/64 in	4ZE57	4ZE48	5
	3/4"-10	21/32 in	Heavy Wall	21/32 in	4ZE57	4ZE49	5
M12-1.75	7/8"-9	1 1/16 in	Heavy Wall	49/64 in	—	4ZE72	5
	3/4"-10	21/32 in	Heavy Wall	21/32 in	—	4ZE71	5
	3/4"-10	21/32 in	Heavy Wall	21/32 in	—	4ZE72	5
M16-2.00	M24-3.00	20 mm	Heavy Wall	21mm	4ZE59	4ZE36	5
	1"-8	25/32 in	Heavy Wall	7/8 in	4ZE59	4ZE37	5
	M20-2.50	30 mm	Heavy Wall	33mm	—	4ZE37	5