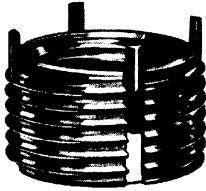
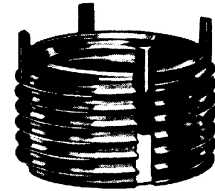


### METRIC KEEN-TYPE SOLID THREAD INSERTS

These keen-type inserts are designed to provide strong wear resistant threads to relatively soft materials, such as aluminum, magnesium, cast iron, plastic and cold rolled steel. The prong locking feature provides tremendous assurance that the insert will not back out of the hole due to vibration or removal of the mating male thread. **Because certain internal thread sizes have a choice of external thread (Thinwall or Heavy), we add the suffixes “T” & “H” to denote the differences.**



**# KN = Alloy Steel**  
**# KN A1 = Stainless Steel**



NOM. SIZE (Internal Thread)	EXTERNAL THREAD	TAP DRILL	LENGTH	SERIES	AVAILABILITY		REMOVAL	
					# KN	# KN A1	DRILL SIZE	DRILL DEPTH
<b>M 3 x .5-T</b>	M 5 x .8	4.4	4.25	Thinwall	x	x	3.5	2.25
<b>M 4 x .7-T</b>	M 6 x 0.75	5.5	5.25	Thinwall	x	x	4.6	2.50
<b>M 4 x .7-H</b>	M 8 x 1.25	6.8	8	Heavy	x	x	5.5	4.0
<b>M 5 x .8-T</b>	M 8 x 1.25	6.8	8	Thinwall	x	x	5.5	4.0
<b>M 5 x .8-H</b>	M 10 x 1.25	8.8	10	Heavy	x	x	7.5	4.75
<b>M 6 x 1-T</b>	M 10 x 1.25	8.8	10	Thinwall	x	x	7.5	4.75
<b>M 6 x 1-H</b>	M 12 x 1.25	10.8	12	Heavy	x	x	9.5	4.75
<b>M 8 x 1.25-T</b>	M 12 x 1.25	10.8	12	Thinwall	x	x	9.5	4.75
<b>M 8 x 1.25-H</b>	M 14 x 1.5	12.5	14	Heavy	x	x	11.5	4.75
<b>M 8 x 1-T</b>	M 12 x 1.25	10.8	12	Thinwall	x	x	9.5	4.75
<b>M 8 x 1-H</b>	M 14 x 1.5	12.5	14	Heavy	x	x	11.5	4.75
<b>M 10 X 1.5-T</b>	M 14 x 1.5	12.5	14	Thinwall	x	x	11.5	4.75
<b>M 10 x 1.5-H</b>	M 16 x 1.5	14.5	16	Heavy	x	x	13.5	4.75
<b>M 10 x 1.25-T</b>	M 14 x 1.5	12.5	14	Thinwall	x	-	11.5	4.75
<b>M 10 x 1.25-H</b>	M 16 x 1.5	14.5	16	Heavy	x	-	13.5	4.75
<b>M 12 x 1.75-T</b>	M 16 x 1.5	14.5	16	Thinwall	x	x	13.5	4.75
<b>M 12 x 1.75-H</b>	M 18 x 1.5	16.5	18	Heavy	x	x	15.5	4.75
<b>M 12 x 1.5-T</b>	M 16 x 1.5	14.5	16	Thinwall	x	-	13.5	4.75
<b>M 12 x 1.5-H</b>	M 18 x 1.5	16.5	18	Heavy	x	-	15.5	4.75
<b>M 12 x 1.25-T</b>	M 16 x 1.5	14.5	16	Thinwall	x	-	13.5	4.75
<b>M 12 x 1.25-H</b>	M 18 x 1.25	16.5	18	Heavy	x	-	15.5	4.75
<b>M 14 X 2-H</b>	M 20 x 1.5	18.5	20	Heavy	x	x	17.5	4.75
<b>M 14 x 1.5-H</b>	M 20 x 1.5	18.5	20	Heavy	x	-	17.5	4.75
<b>M 16 x 2-H</b>	M 22 x 1.5	20.5	22	Heavy	x	x	17.75	6.35
<b>M 16 x 1.5-H</b>	M 22 x 1.5	20.5	22	Heavy	x	-	17.75	6.35
<b>M 18 x 1.5-H</b>	M 24 x 1.5	22.5	24	Heavy	x	-	19.75	6.35
<b>M 20 x 2.5-H</b>	M 30 x 2	28	30	Heavy	x	x	25.75	6.35
<b>M 20 x 1.5-H</b>	M 30 x 2	28	30	Heavy	x	-	25.75	6.35
<b>M 22 x 1.5-H</b>	M 32 x 2	30	32	Heavy	x	-	27.75	6.35
<b>M 24 x 2-H</b>	M 33 X 2	31	33	Heavy	x	-	28.75	6.35

"x" denotes stock availability

#### INSTALLATION:

1. Drill out thread using Drill # 338
2. Tap new thread using Tap # 352 P or B
3. Screw in insert until slightly below surface
4. Drive "kees" down with installation tool

#### REMOVAL:

1. Drill depth with Removal Drill # 338
2. Bend and break off "kees"
3. Remove insert with Extractor # EX
4. Screw in new insert.

**How to Order**  
Item #: KN  
Size: 12 x 1.5-H  
Quantity: 50  
Tel: 1-888-966-MMCC