Technical Performance

Tap-Lok® Wood Series

- Suitable for use in hard or soft woods.
- Coarse pitch thread design reduces danger of splitting wood.
- Superior pull-out and vibration resistance.
- One-step installation.

Wood Series threaded inserts are designed specifically for use in tood for furniture, cabinets, plywood panels, and any components requiring quick on-site assembly or repeated assembly and disassembly.

Widely thread spacing provides stronger threads for great pull-out resistance.

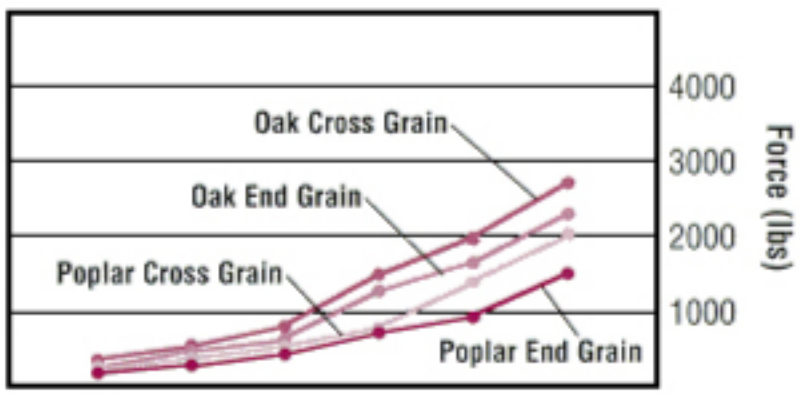
Coarse pitch external thread for **maximum strength and installation in small wood sections** with less danger of splitting.

Cutting slots are self-tapping and self-locking for quick, easy installation and excellent resistance to vibration.

This threaded insert is **standard as a solid brass bushing.**

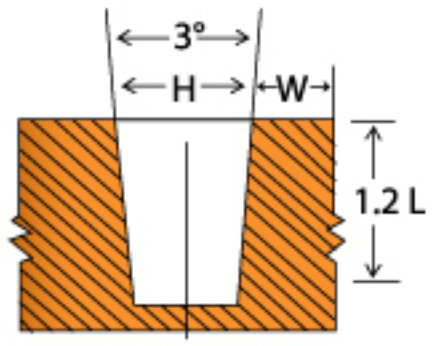
High-quality internal threads are wear resistant. Unified and American Standard, class 2B, or ISO Metric standard, class 6H threads.

Pull-Out Resistance

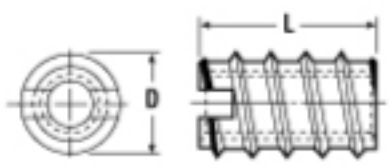


6	8	10	¼	5/16	3/8	(in)
3.5	4	5	6	8	10	(metric)

Thread Size



STRAIGHT HOLE WITH NO COUNTERBORE



Performance Data

Internal Thread Size		Pull-Out Resistance (lb)			
		Poplar		Oak	
(in)	(metric)	Cross Grain	End Grain	Cross Grain	End Grain
6	3.5	260	125	330	260
8	4	300	240	500	400
10	5	500	450	850	625
¼	6	850	725	1425	1250
5/16	8	1350	900	1950	1600
3/8	10	2000	1450	2700	2200

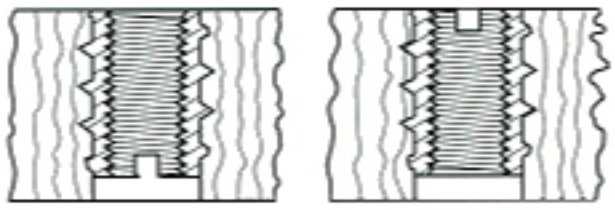
** Representative performance data for regular length. Preproduction prototype testing recommended for your application.*

Specifications

Inch Sizes Internal Threads	Part Number	D External Diameter	L Length	H Recommended Hole Diameter
4-40	W-11240-30	.219	.344	.172
6-32	W-13832-30	.219	.344	.172
8-32	W-16432-30	.250	.406	.203
10-24	W-19024-30	.297	.469	.238
10-32	W-19032-30	.297	.469	.238
¼-20	W-25020-30	.375	.500	.312
5/16-18	W-31218-30	.469	.500	.375
3/8-16	W-37516-30	.563	.938	.468

Installation Recommendations

For most wood applications including medium-hard and hardwood, the threaded insert should be installed slot down. The cutting action at the slotted section allows easier installation and avoids radial stresses which may otherwise tend to split the wood.



In soft wood, the threaded insert should be installed slot up. The threaded insert is then thread forming, similar to a wood screw. The absence of cutting provides a firm anchor in the relatively softwood.