

# A-W SERIES INSERT PROFILE

The **A-W Series Insert** can be installed into most any material softer than itself that is thicker than .062/1,57. The A-W Series provides exceptional shear strength and pull out in fiberglass and plywoods. The brass A-W Series Insert is particularly useful for the fiberglass boat industry.

The A-W Series Insert is installed using lightweight, handheld pneumatic tools that can be located at any position in your product's assembly sequence. The A-W Series Insert can be installed either prior to or after finish.



## UNIFIED (INCH) AND METRIC THREAD

SEE THREAD CLASS NOTE\*

THREAD SIZE	THREAD CALL OUT	HOLE SIZE +.005 -.000 (+0,13 -0,00)	HD ±.005 (±0,13)	L ±.015 (±0,38)	D MAX.	IL MAX.	HOLE DEPTH MIN.
6-32 UNC	632	15/64 (.234)	.255	.370	.233	.205	.400
8-32 UNC	832	17/64 (.266)	.285	.370	.264	.205	.400
10-24 UNC	1024	19/64 (.297)	.320	.370	.295	.205	.400
10-32 UNF	1032	19/64 (.297)	.320	.370	.295	.205	.400
1/4-20 UNC	420	25/64 (.391)	.415	.515	.389	.275	.540
5/16-18 UNC	518	17/32 (.531)	.550	.615	.528	.325	.640
3/8-16 UNC	616	19/32 (.594)	.615	.740	.590	.390	.770
M4x0,7 ISO	470	6,75	7,24	9,40	6,71	5,21	10,16
M5x0,8 ISO	580	7,54	8,13	9,40	7,50	5,21	10,16
M6x1,0 ISO	610	9,92	10,54	13,08	9,88	6,99	13,72
M8x1,25 ISO	8125	13,49	13,97	15,62	13,41	8,26	16,26
M10x1,5 ISO	1015	15,00	15,62	18,80	14,99	9,91	19,56

NOTE 1: Additional UNF thread sizes available

NOTE 2: HOLE SIZE: The A-W Series Insert hole size will be dependent on parent material density. Experimentation is required for optimum performance.

NOTE 3: FINISH: The standard specified finishes for the A-W Series Insert are cadmium and tin. Alteration to these finishes will reduce performance.

\*THREAD CLASS: The A-W Series Insert's internal threads are manufactured oversized to compensate for resulting thread portion shrinkage during the installation swaging process. They are not gaugeable prior to or after installation but will be compatible with Class 2A/3A or 6g screws after installation.

All materials for the A-W Series are plated cadmium and look similar. Radial grooves are machined into the part for material identification.

MATERIAL TYPE IDENTIFICATION GROOVES



NONE — STEEL  
2 — BRASS

## PART NUMBERING SYSTEM



\* Special order items are subject to minimum order requirements. Contact AVK for details.

For air tool selection see page 31