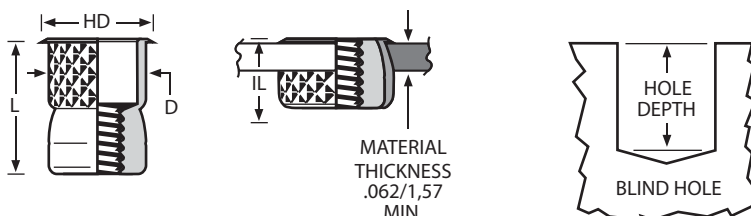




A-W SERIES INSERT PROFILE

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

THREAD SIZE	THREAD CALL OUT	HOLE SIZE +.005 / -.000	HD ±.005	L ±.015	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

THREAD SIZE	THREAD CALL OUT	HOLE SIZE +0,13 / -0,00	HD ±0,13	L ±0,38	D MAX.	IL MAX.	HOLE DEPTH MIN.
M4 x 0,7 ISO	470	6,75	7,24	9,40	6,71	5,21	10,16
M5 x 0,8 ISO	580	7,54	8,13	9,40	7,50	5,21	10,16
M6 x 1,0 ISO	610	9,92	10,54	13,08	9,88	6,99	13,72
M8 x 1,25 ISO	8125	13,49	13,97	15,62	13,41	8,26	16,26
M10 x 1,5 ISO	1015	15,00	15,62	18,80	14,99	9,91	19,56

NOTE 1: Additional UNF thread sizes available. Contact an AVK Sales Representative for details.

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 finish for the A-W Series Insert is tin. Alteration to this finish 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.

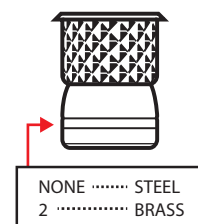
PART NUMBERING SYSTEM

SAMPLE NUMBER: AWS5-420

AW	()	()	- ()
PRODUCT SERIES	MATERIAL	FINISH	THREAD CALL OUT
	CALL OUT	CALL OUT	
	GRADE	SPECIFICATION	
	S Steel C1010, C1110 or C1215	2 CAD PLATE PER AMS-QQ-P-416, TY I CLASS 3 WITH CLEAR AND CLEAR PROTECTIVE COATING	
	B Brass 360 or 464	3R PLAIN ZINC PER ASTM-B-633, FE/ZN .0003 (8μ)	
		5 DULL TIN PER MIL-T-10727 TY I .0003 WITH CLEAR PROTECTIVE COATING	
		9T TIN ZINC TRIVALENT PER ESP-P-004 .0003 (8μ) WITH CLEAR PROTECTIVE COATING	
		Note: For Additional Plating See Chart on Page 46	

MATERIAL TYPE IDENTIFICATION GROOVES

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



For air tool selection see pages 30 and 32