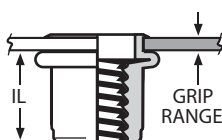
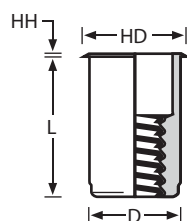


A-O SERIES PROFILE



The A-O Series Insert features a reduced profile head design which is similar to the superior A-K Series Insert. It also has a smaller body diameter than the A-K Series Insert. The A-O Series Insert can be specified when the application design parameters require a smaller hole or closer hole to edge tolerances.

The A-O Series can be installed with AVK's ARO brand pneumatic tools or AVK's pneumatic/hydraulic SPP2 Tool™. These tools can be located at any position on your assembly line. The A-O Series can be installed either prior to or after finish further enhancing its flexibility in your manufacturing environment.



Thread Specifications: Unified 2B/21 per ASME B1.1
Metric 6H/21 per ASME B1.13M



UNIFIED (INCH) AND METRIC THREAD

THREAD SIZE	THREAD CALL OUT	GRIP RANGE	GRIP CALL OUT	HOLE SIZE +.006 / -.000	HD ±.010	HH ±.003	L ±.015	D MAX.	IL MAX.
6-32 UNC	632	.020 - .080	80	1/4 (.250)	.295	.018	.385	.249	.315
8-32 UNC	832	.020 - .080	80	1/4 (.250)	.295	.018	.385	.249	.315
10-24 UNC	1024	.020 - .130	130	9/32 (.2812)	.320	.020	.440	.280	.330
10-32 UNF	1032	.020 - .130	130	9/32 (.2812)	.320	.020	.440	.280	.330
1/4-20 UNC	420	.030 - .165	165	3/8 (.375)	.425	.022	.580	.374	.440
5/16-18 UNC	518	.040 - .200	200	1/2 (.500)	.560	.022	.690	.499	.540
3/8-16 UNC	616	.040 - .200	200	1/2 (.500)	.560	.022	.690	.499	.540

THREAD SIZE	THREAD CALL OUT	GRIP RANGE	GRIP CALL OUT	HOLE SIZE +.015 / -.000	HD ±.025	HD ±.008	L ±.038	D MAX.	IL MAX.
M4 x 0,7 ISO	470	0,50 - 2,00	2.0	6,4	7,49	0,46	9,78	6,32	8,00
M5 x 0,8 ISO	580	0,50 - 3,30	3.3	7,2	8,13	0,51	11,18	7,11	8,38
M6 x 1,0 ISO	610	0,76 - 4,20	4.2	9,6	10,80	0,56	14,73	9,50	11,18
M8 x 1,25 ISO	8125	1,02 - 5,10	5.1	12,7	14,22	0,56	17,53	12,67	13,72
M10 x 1,5 ISO	1015	1,02 - 5,10	5.1	12,7	14,22	0,56	17,53	12,67	13,72

NOTE 1: Grip range can be affected by parent material density and actual hole size. AVK suggests trial installations to determine optimum grip.

NOTE 2: UNF fine threads are available. Contact an AVK Sales Representative for details.

PART NUMBERING SYSTEM

SAMPLE NUMBER: AOS4T-420-165

AO	()	()	-()	-()
PRODUCT SERIES	MATERIAL	FINISH	THREAD CALL OUT	GRIP CALL OUT
	CALL OUT	CALL OUT		
	S	3T		
	Steel 1010/1008	4T		
		9T		
		Specification		
		ZINC TRIVALENT PER ASTM-B-633, FE/ZN .0003 (8μ) WITH CLEAR PROTECTIVE COATING		
		YELLOW ZINC TRIVALENT PER ASTM-B-633, FE/ZN .0003 (8μ) WITH CLEAR PROTECTIVE COATING		
		TIN ZINC TRIVALENT PER ESP-P-004, .0003 (8μ) WITH CLEAR PROTECTIVE COATING		
		Note: For Additional Plating See Chart on Page 46		

For air tool selection see pages 30 and 31