

MADE IN USA

World market leader of design, development and manufacturing of blind installed fasteners

HOME PRODUCTS INSTALLATION TOOLS APPLICATIONS SALES REPS. SUPPLIER SUPPORT CONTACT US

AVK PORTAL ACCESS:



The A-R Series™ has a very wide grip range and with its four high load bearing "legs" is excellent for use in plastics or thin sheet metals.

A-R SERIES™ THREADED INSERT

A-R Series™ Threaded Insert has been designed for use in plastics and thin gauge sheet metal applications where increased pull-out resistance is required.

The A-R Insert features a PreSet™ slotted body design that when installed folds into four segments gripping the backside of the parent material. This design feature allows the A-R Insert to be installed into single, variable or multiple thickness materials using AVK's ARO torque-stall [Pneumatic Tools](#) or AVK's [SPP™ Pneumatic/Hydraulic Tools](#).



TECHNICAL SALES QUESTIONS
THE STOCK ROOM
THE DEMO ROOM

SOCIAL MEDIA:







LINKS:



Design Benefits Design Types Installation Video Part Numbering System Thread Sizes

THE A-R SERIES™ INSERT - DESIGN BENEFITS

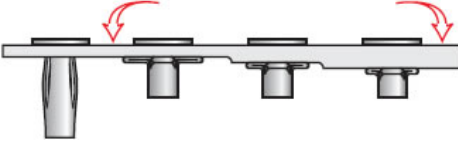
-  Increased pull out in plastics and thin sheet metal.
-  Internal rolled threads make the A-R Series™ compatible with Grade 5 or Metric Class 8.8/9.8 screws.
-  Installs into variable thickness materials without tool adjustment.
-  All surfaces are plated for superior corrosion resistance.

SISTER COMPANIES:



A-R Series™ PreSet™ Design
HOW IT WORKS FOR YOU

The PreSet™ slightly expanded slotted body design of the A-R Series™ enables it to be installed using torque type tools.



Hand or pneumatic torque tools will install the A-R Series™ in single, variable or multiple thickness materials.

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THE A-R SERIES™ INSERT - PART NUMBERING SYSTEM

AR	()	()	()	()	()	()
	Material		Finish			
Product Series	Call Out	Grade	Call Out	Specification	Thread Call Out	Grip Call Out
	S	Steel 1010/1008	3T	Zinc Trivalent per ASTM-B-633, FE/ZN .0003 (8μ) with Clear Protective Coating	Sample Part Number: ARS3T-420-280	
			4T	Yellow Zinc Trivalent per ASTM-B-633, FE/ZN .0003 (8μ) with Clear Protective Coating		
			9T	Tin Zinc Trivalent per ESP-P-004, .0003 (8μ) with Clear Protective Coating		

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

ARS4T-420-500

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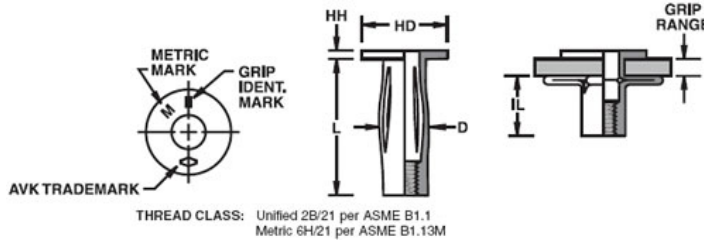


SISTER COMPANIES:



Design Benefits Design Types Installation Video Part Numbering System Thread Sizes

THE A-R SERIES™ INSERT - THREAD SIZES



Unified (Inch) and Metric Thread Sizes

Thread Size	Thread Call Out	Grip Range	Grip Call Out	Hole Size	HD	HH	L	D	IL Max.	Grip ID Mark
1/4-20 UNC	420	.020-.280	280	.390 .396	.645 .610	.063 .053	1.015 .985	.382 .368	.520	Blank
1/4-20 UNC	420	.280-.500	500	.390 .396	.645 .610	.063 .053	1.249 1.219	.382 .368	.520	1 Rad
5/16-18 UNC	518	.020-.280	280	.500 .506	.770 .740	.067 .057	1.156 1.126	.495 .490	.775	Blank
5/16-18 UNC	518	.280-.500	500	.500 .506	.770 .740	.067 .057	1.390 1.360	.495 .490	.775	1 Rad
3/8-16 UNC	616	.020-.280	280	.594 .600	.865 .895	.083 .093	1.205 1.233	.582 .587	.775	Blank
M6x1,0 ISO	610	0,5-7,1	7,1	10,00 10,15	16,38 15,49	1,60 1,35	25,78 25,02	9,8 9,35	13,21	Blank
M6x1,0 ISO	610	7,1-12,7	12,7	10,00 10,15	16,38 15,49	1,60 1,35	31,72 30,96	9,8 9,35	13,21	1 Rad
M8x1,25 ISO	8125	0,5-7,1	7,1	12,70 12,85	19,56 18,80	1,70 1,45	29,63 28,60	12,57 12,47	19,69	Blank
M8x1,25 ISO	8125	7,1-12,7	12,7	12,70 12,85	19,56 18,80	1,70 1,45	35,31 34,54	12,57 12,47	19,69	1 Rad
M10x1,5 ISO	1015	0,5-7,1	7,1	15,09 15,24	22,73 21,97	2,36 2,11	31,32 30,61	14,91 14,78	19,69	Blank

NOTE 1: Grip range stated in the dimensional chart above can be achieved using pull type installation tools and may be variable based on hole size and parent material density. AVK recommends trial installations to determine actual grip range in the application.

NOTE 2: Grip ranges will be less than stated above when using torque type installation tools. Grip range will be affected by the tool RPM speed, stall torque, hole size and parent material density. AVK recommends trial installations to determine actual grip. See page 33 for torque tool selection guidelines.