



HAND TOOLS

AVK HAND TOOL SPECIFICATIONS

The tools shown on this page are engineered to install AVK's...



EXPENDABLE TOOLS

The following expendable tools are ideal for field repairs or consumer installation of AVK's products. Thread the AVK fastener onto the tool mandrel all the way up. Hold the tool with a box wrench and turn the mandrel with another box wrench or ratchet wrench until the AVK fastener is installed

A-K, A-L, A-P, AND A-O SERIES 1st AND 2nd GRIP PRODUCT MODEL AA184

THREAD SIZE	TOOL PART NO.
4-40 UNC	N/A
6-32 UNC	AA184-632
8-32 UNC	AA184-832
10-24 UNC	AA184-1024
10-32 UNF	AA184-1032
1/4-20 UNC	AA184-420
5/16-18 UNC	AA184-518
3/8-16 UNC	AA184-616
1/2-13 UNC	AA184-813
M3 x 0,5 ISO	N/A
M4 x 0,7 ISO	AA184-470
M5 x 0,8 ISO	AA184-580
M6 x 1,0 ISO	AA184-610
M8 x 1,25 ISO	AA184-8125
M10 x 1,5 ISO	AA184-1015
M12 x 1,75 ISO	AA184-12175

A-T AND A-W SERIES STANDARD PRODUCT MODEL AAT916

THREAD SIZE	TOOL PART NO.
4-40 UNC	AAT916-440
6-32 UNC	AAT916-632
8-32 UNC	AAT916-832
10-24 UNC	AAT916-1024
10-32 UNF	AAT916-1032
1/4-20 UNC	AAT916-420
5/16-18 UNC	AAT916-518
3/8-16 UNC	AAT916-616
1/2-13 UNC	AAT916-813
M3 x 0,5 ISO	AAT916-350
M4 x 0,7 ISO	AAT916-470
M5 x 0,8 ISO	AAT916-580
M6 x 1,0 ISO	AAT916-610
M8 x 1,25 ISO	AAT916-8125
M10 x 1,5 ISO	AAT916-1015
M12 x 1,75 ISO	AAT916-12175

AA184



AAT916



AA170 PLIER TOOL

The AA170 tool is ideal for prototyping or making repairs with the A-K, A-L, A-H, A-P, A-O, E-L and E-H Series threaded inserts.



- INSTALLATION:
- Thread AVK part onto tool.
 - Place into Hole
 - Squeeze handles.

THREAD SIZE	CONVERSION KIT
6-32 UNC	AA271-632
8-32 UNC	AA271-832
10-24 UNC	AA271-1024
10-32 UNF	AA271-1032
1/4-20 UNC	AA271-420
5/16-18 UNC	AA271-518*
3/8-16 UNC	AA271-616*
M4 x 0,7 ISO	AA271-470
M5 x 0,8 ISO	AA271-580
M6 x 1,0 ISO	AA271-610
M8 x 1,25 ISO	AA271-8125*
M10 x 1,5 ISO	AA271-1015*

*These sizes cannot be used with 2nd grip AVK fasteners

AA112 HI-TORQUER™

The AA112 is ideal for prototyping or making repairs with the A-T and A-W Series threaded inserts. It features a patented Quick Change thread size nose assembly.



- INSTALLATION:
- Thread insert fully onto mandrel.
 - Place into hole.
 - Hold grip bar while turning the "T" handle clockwise until insert is installed.
 - Turn "T" handle counter clockwise to remove from insert.

THREAD SIZE	CONVERSION KIT
4-40 UNC	AAT202-440
6-32 UNC	AAT202-632
8-32 UNC	AAT202-832
10-24 UNC	AAT202-1024
10-32 UNF	AAT202-1032
1/4-20 UNC	AAT202-420
5/16-18 UNC	AAT202-518
3/8-16 UNC	AAT202-616
M3 x 0,5 ISO	AAT202-350
M4 x 0,7 ISO	AAT202-470
M5 x 0,8 ISO	AAT202-580
M6 x 1,0 ISO	AAT202-610
M8 x 1,25 ISO	AAT202-8125
M10 x 1,5 ISO	AAT202-1015



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AA480 & AA510 NEW "WRENCH-LESS" QUICK-RELEASE CONVERSION KIT

To provide a more user friendly manual tool for our marketplace, AVK's AA480 and AA510 installation hand tools now incorporate a new "Wrench-Less" quick-release conversion kit. AVK will continue to support pre-existing tools not utilizing this new conversion kit. When ordering conversion kits and mandrels for pre-existing tools, remove the "N" from the part number shown in the chart below.



AA480 DOUBLE ACTION LEVER TOOL

The AA480 tool features a visual stroke indicator and a convenient spin-off removal knob. This tool installs the full range of AVK's spinwall technology product in steel and aluminum and limited sizes of steel and aluminum rivet nuts. See chart below.

INSTALLATION:

- Set the appropriate stroke per the AVK tool instruction sheet.
- Thread product fully onto tool mandrel.
- Place into the hole in your parent material.
- Squeeze tool handles together until product is fully collapsed.
- Spin center knob counter-clockwise unthreading tool mandrel from installed product.



AA510 PLUNGER-DOUBLE ACTION LEVER TOOL

The AA510 tool features a visual stroke indicator and a quick acting pull to remove plunger. Due to its larger size, this tool installs the full range of AVK's Spinwall Technology™ Threaded Insert Product in all materials and various steel and aluminum rivet nuts. See chart below.

INSTALLATION:

- Set the appropriate stroke per the AVK tool instruction sheet.
- Withdraw plunger from tool.
- Hold product over tool mandrel while pushing plunger into tool fully threading product onto the tool mandrel.
- Place into hole in your parent material.
- Squeeze tool handles together until product is fully collapsed.
- Pull plunger from tool unthreading mandrel from installed product.



• Denotes the product can be installed with the AA480 tool. + Denotes the product can be installed with the AA510 tool.

THREAD SIZE	INSERT MATERIAL		A-L, A-K, A-H, A-P, A-O SERIES INSERTS		INSERT MATERIAL		R-N, E-L, E-H, A-R* SERIES RIVET NUTS		STUD MATERIAL	A-S SERIES STUDS	
	STEEL	ALUM	CONVERSION KIT#	REPLACEMENT MANDREL#	STEEL	ALUM	CONVERSION KIT#	REPLACEMENT MANDREL#	STEEL	CONVERSION KIT#	REPLACEMENT MANDREL#
4-40 UNC			N/A	N/A	• +	• +	AA483-440N	18AA481-440N		N/A	N/A
6-32 UNC	• +	• +	AA481-632N	18AA481-632N	• +	• +	AA483-632N	18AA481-632N	•	AA485-632N	18AA485-632N
8-32 UNC	• +	• +	AA481-832N	18AA481-832N	• +	• +	AA483-832N	18AA481-832N	•	AA485-832N	18AA485-832N
10-24 UNC	• +	• +	AA481-1024N	18AA481-1024N	• +	• +	AA483-1024N	18AA481-1024N	•	AA485-1024N	18AA485-1024N
10-32 UNF	• +	• +	AA481-1032N	18AA481-1032N	• +	• +	AA483-1032N	18AA481-1032N	•	AA485-1032N	18AA485-1032N
1/4-20 UNC	• +	• +	AA481-420N	18AA481-420N	• +	• +	AA483-420N	18AA481-420N	•	AA485-420N	18AA485-420N
5/16-18 UNC	• +	• +	AA481-518N	18AA481-518N	•	• +	AA483-518N	18AA481-518N	•	AA485-518N	18AA485-518N
3/8-16 UNC	• +	• +	AA481-616N	18AA481-616N		• +	AA483-616N	18AA481-616N	•	AA485-616N	18AA485-616N
1/2-13 UNC	• +	• +	AA481-813N	18AA481-813N			N/A	N/A		N/A	N/A
M3 x 0,5 ISO			N/A	N/A	• +	• +	AA483-350N	18AA481-350N		N/A	N/A
M4 x 0,7 ISO	• +	• +	AA481-470N	18AA481-470N	• +	• +	AA483-470N	18AA481-470N	•	AA485-470N	18AA485-470N
M5 x 0,8 ISO	• +	• +	AA481-580N	18AA481-580N	• +	• +	AA483-580N	18AA481-580N	•	AA485-580N	18AA485-580N
M6 x 1,0 ISO	• +	• +	AA481-610N	18AA481-610N	• +	• +	AA483-610N	18AA481-610N	•	AA485-610N	18AA485-610N
M8 x 1,25 ISO	• +	• +	AA481-8125N	18AA481-8125N	•	• +	AA483-8125N	18AA481-8125N	•	AA485-8125N	18AA485-8125N
M10 x 1,5 ISO	• +	• +	AA481-1015N	18AA481-1015N		• +	AA483-1015N	18AA481-1015N	•	AA485-1015N	18AA485-1015N
M12 x 1,75 ISO	• +	• +	AA481-12175N	18AA481-12175N			N/A	N/A		N/A	N/A