PennEngineering®

ATLAS® FM™ FULL METRIC INSERTS CATALOG

ATLAS® a PEM® Product

915

ATLAS® FM™ FULL METRIC BLIND THREADED INSERTS

ATLAS® FM™ metric blind threaded inserts offer ideal solutions for “blind” attachment applications where only one side of a panel is accessible for assembly. These inserts install quickly and easily from the accessible “front” side with only a single mating screw required to complete final component attachment. These fasteners are ideally suited for tubing, extrusion, and other similar types of single sided applications.

- *Install into metric size round or hex holes.*
- *Available in thread sizes M3 to M10.*
- *Available in a variety of head styles: Flat, thin, and countersunk.*
- *Available in a variety of body types: Round (smooth and knurled), half hex, and full hex.*
- *Available in a variety of materials: Steel, stainless steel, aluminum, and brass.*

PART NUMBER KEY

AE F K S – M4 – 3.0 B ZI

Finish Code:
ZI - RoHS compliant zinc clear per ASTM B 633, Fe/Zn 8, Type V
ZC - RoHS compliant zinc yellow per ASTM B 633, Fe/Zn 8, Type VI
ZN - Zinc nickel

B here indicates closed end thread.
S here indicates sealant under the head.

Grip Range Code:
The number shown is the max grip in millimeters.

Thread Code. Unified threads available on special order.

Material Code:
C = 300 Series Stainless Steel (Limited availablity. Call for more info)
S = Low Carbon Steel (Standard)
B = Alloy No. 260 Brass (Available on special order)
A = 6053-T4 or 6061-T4 Aluminum (Available on special order)

Body Type:
H = Half hex shank
R = Round, smooth
K = Round, knurled
HH = Full hex shank, round counterbore

Head Style:
F = Flat
T = Thin
C = Countersunk

Atlas Engineering.

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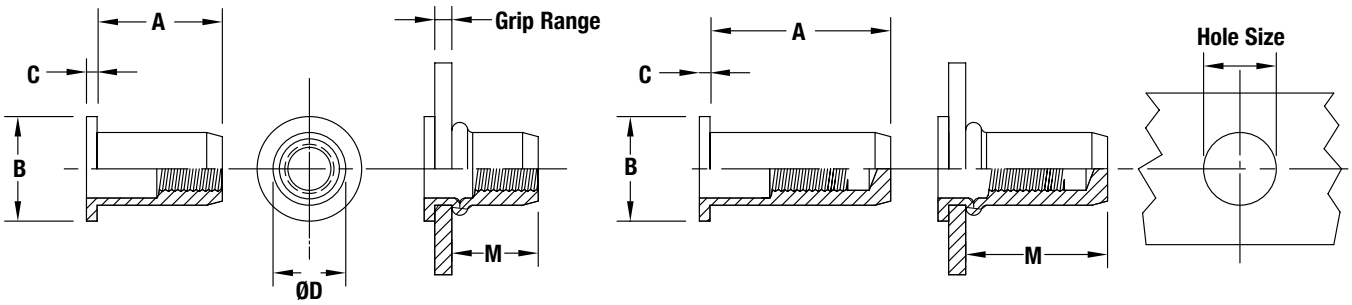
Full Metric Blind Threaded Inserts

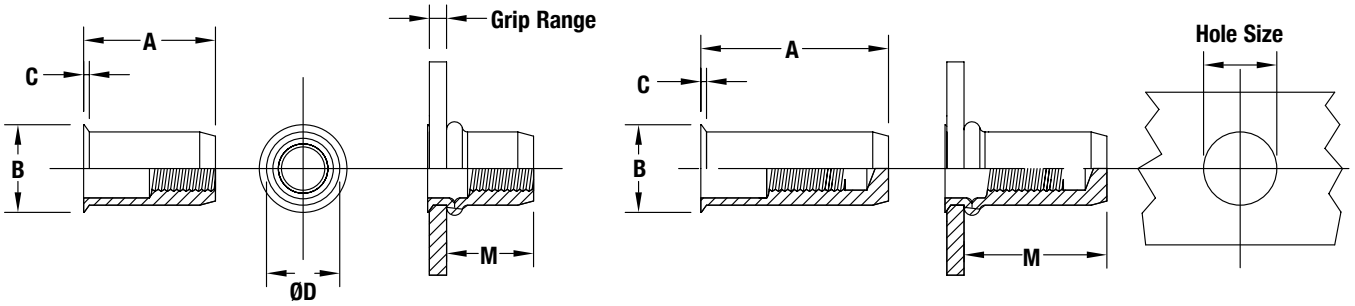
TYPE AEFR - FLAT HEAD ROUND BODY



All dimensions are in millimeters.

Thread Size x Pitch	Type Steel	Grip Range	Open A ±0.25	Open B ±0.25	Open C ±0.13	Open ØD Max.	Open M Ref.	Closed A ±0.25	Closed B ±0.25	Closed C ±0.13	Closed ØD Max.	Closed M Ref.	Hole Size In Sheet +0.1
M3 X 0.5	AEFRS	0.5 – 2.0	9.75	8	0.75	5	6.00	14.1	8	0.75	5	10.35	5
M4 x 0.7	AEFRS	0.5 – 2.5	10.75	9	0.75	6	6.15	16.6	9	0.75	6	12.00	6
M5 x 0.8	AEFRS	0.5 – 3.0	12.00	10	1.0	7	6.55	18.0	10	1.0	7	12.55	7
		3.0 – 5.5	14.50					20.5					
M6 x 1	AEFRS	0.5 – 3.0	14.50	13	1.5	9	8.35	22.4	13	1.5	9	16.25	9
		3.0 – 5.5	17.00					24.9					
M8 x 1.25	AEFRS	0.5 – 3.0	16.00	16	1.5	11	9.15	24.8	16	1.5	11	17.95	11
		3.0 – 5.5	18.50					27.3					
M10 x 1.5	AEFRS	0.7 – 3.5	19.75	19	2.25	13	11.70	31.4	19	2.25	13	23.35	13

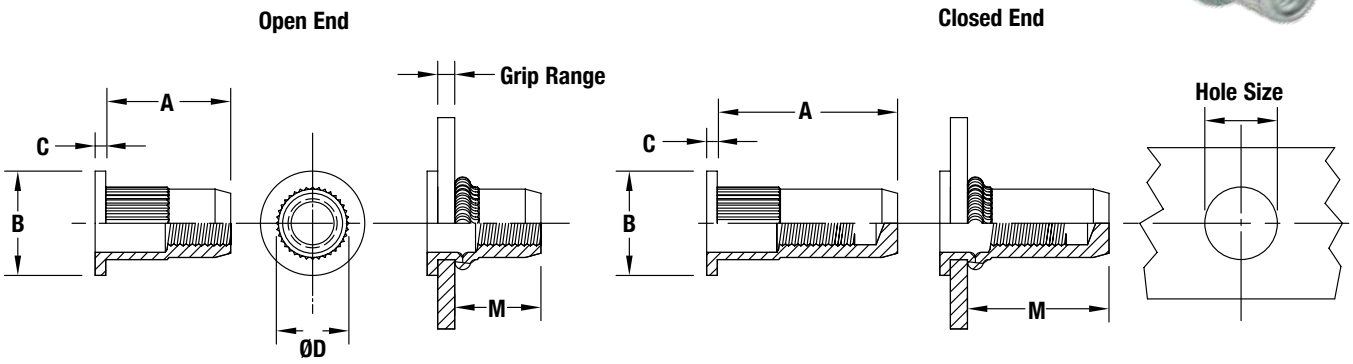
TYPE AETR - THIN HEAD ROUND BODY



All dimensions are in millimeters.

Thread Size x Pitch	Type Steel	Grip Range	Open A ±0.25	Open B ±0.25	Open C ±0.13	Open ØD Max.	Open M Ref.	Closed A ±0.25	Closed B ±0.25	Closed C ±0.13	Closed ØD Max.	Closed M Ref.	Hole Size In Sheet +0.1
M3 X 0.5	AETRS	0.5 – 2.0	10.05	5.5	0.46	5	6.30	14.40	5.5	0.46	5	10.65	5
M4 x 0.7	AETRS	0.5 – 2.5	11.10	6.6	0.46	6	6.50	16.95	6.6	0.46	6	12.35	6
M5 x 0.8	AETRS	0.5 – 3.0	12.40	7.7	0.46	7	6.95	18.40	7.7	0.46	7	12.95	7
		3.0 – 5.5	14.90					20.90					
M6 x 1	AETRS	0.5 – 3.0	14.90	10	0.50	9	8.75	22.80	10	0.50	9	16.65	9
		3.0 – 5.5	17.40					25.30					
M8 x 1.25	AETRS	0.5 – 3.0	16.50	12	0.63	11	9.65	25.30	12	0.63	11	18.45	11
		3.0 – 5.5	19.00					27.80					
M10 x 1.5	AETRS	0.7 – 3.5	20.30	14.2	0.74	13	12.25	31.95	14.2	0.74	13	23.90	13

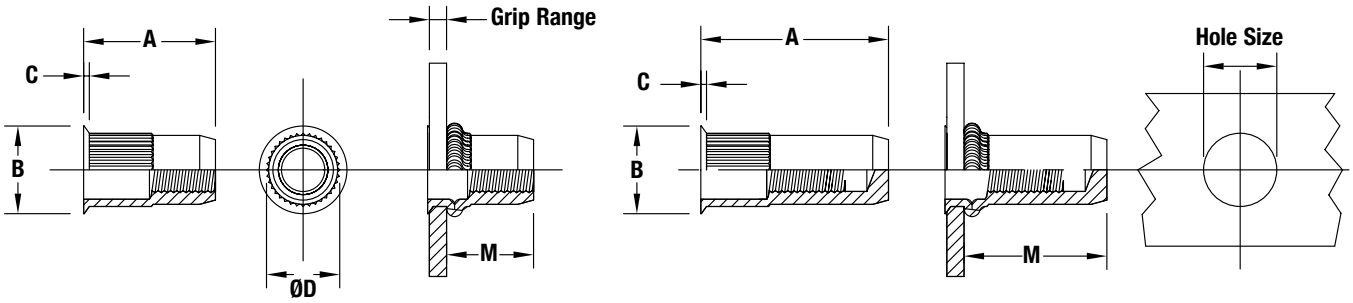
TYPE AEFK - FLAT HEAD KNURLED ROUND BODY



All dimensions are in millimeters.

Thread Size x Pitch	Type Steel	Grip Range	Open A ±0.25	Open B ±0.25	Open C ±0.13	Open ØD Max.	Open M Ref.	Closed A ±0.25	Closed B ±0.25	Closed C ±0.13	Closed ØD Max.	Closed M Ref.	Hole Size In Sheet +0.1
M3 X 0.5	AEFKS	0.5 – 2.0	9.75	8	0.75	5	6.00	14.1	8	0.75	5	10.35	5
M4 x 0.7	AEFKS	0.5 – 2.5	10.75	9	0.75	6	6.15	16.6	9	0.75	6	12.00	6
M5 x 0.8	AEFKS	0.5 – 3.0	12.00	10	1.0	6.98	7.55	18.0	10	1.0	6.98	13.55	7
		3.0 – 5.5	14.50				6.55	20.5				12.35	
M6 x 1	AEFKS	0.5 – 3.0	14.50	13	1.5	8.98	8.35	22.4	13	1.5	8.98	17.75	9
		3.0 – 5.5	17.00				8.55	24.9				16.95	
M8 x 1.25	AEFKS	0.5 – 3.0	16.00	16	1.5	10.98	11.15	24.8	16	1.5	11	17.95	11
		3.0 – 5.5	18.50				11.35	27.3					
M10 x 1.5	AEFKS	0.7 – 3.5	19.75	19	2.25	12.98	13.95	31.4	19	2.25	13	23.35	13

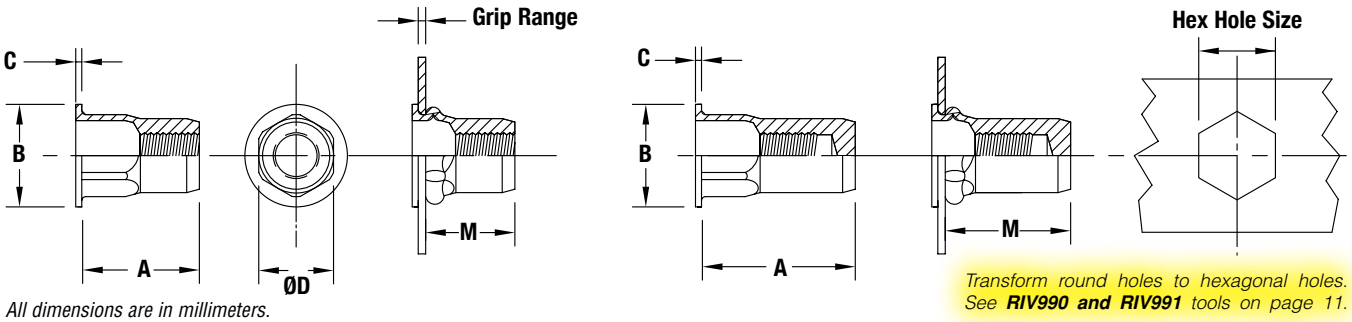
TYPE AETK - THIN HEAD KNURLED ROUND BODY



All dimensions are in millimeters.

Thread Size x Pitch	Type Steel	Grip Range	Open A ±0.25	Open B ±0.25	Open C ±0.13	Open ØD Max.	Open M Ref.	Closed A ±0.25	Closed B ±0.25	Closed C ±0.13	Closed ØD Max.	Closed M Ref.	Hole Size In Sheet +0.1
M3 X 0.5	AETKS	0.5 – 2.0	10.05	5.5	0.46	4.98	6.30	14.40	5.5	0.46	5	10.65	5
M4 x 0.7	AETKS	0.5 – 2.5	11.10	6.6	0.46	5.98	6.40	16.95	6.6	0.46	6	12.35	6
M5 x 0.8	AETKS	0.5 – 3.0	12.40	7.7	0.46	6.98	7.55	18.40	7.7	0.46	6.98	12.95	7
		3.0 – 5.5	14.90				6.95	20.90					
M6 x 1	AETKS	0.5 – 3.0	14.90	10	0.50	8.98	7.85	22.80	10	0.50	8.98	16.65	9
		3.0 – 5.5	17.40				8.75	25.30					
M8 x 1.25	AETKS	0.5 – 3.0	16.50	12	0.63	10.98	10.65	25.30	12	0.63	11	18.45	11
		3.0 – 5.5	19.00				9.65	27.80					
M10 x 1.5	AETKS	0.7 – 3.5	20.30	14.2	0.74	12.98	12.95	31.95	14.2	0.74	13	23.90	13

TYPE AEFH - FLAT HEAD SEMIHEX BODY HEX COUNTERBORE

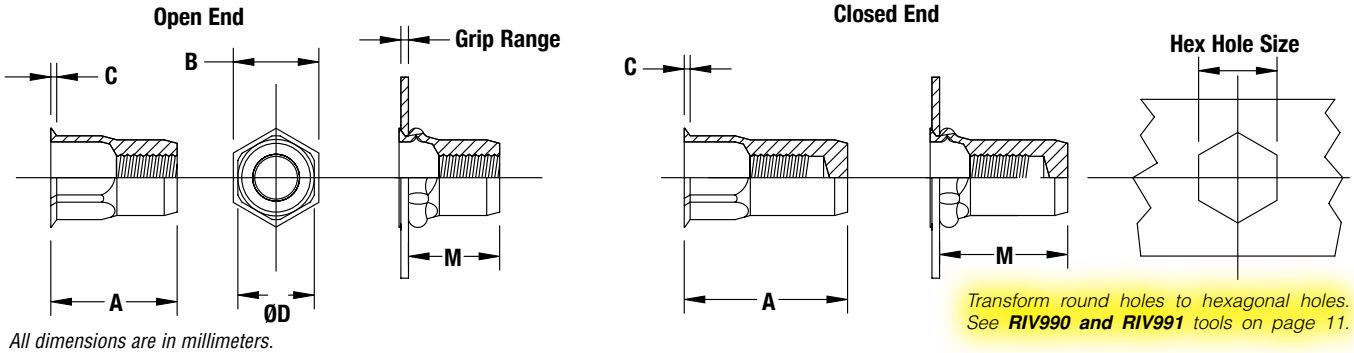


*Transform round holes to hexagonal holes. See **RIV990 and RIV991** tools on page 11.*

All dimensions are in millimeters.

Thread Size x Pitch	Type Steel	Grip Range	Open A ±0.25	Open B ±0.25	Open C ±0.13	Open ØD Max.	Open M Ref.	Closed A ±0.25	Closed B ±0.25	Closed C ±0.13	Closed ØD Max.	Closed M Ref.	Hex Hole Size +0.1
M3 X 0.5	AEFHS	0.5 – 2.0	9.75	8	0.75	5	6.00	14.1	8	0.75	5	10.35	5
M4 x 0.7	AEFHS	0.5 – 2.5	10.75	9	0.75	6	6.20	16.6	9	0.75	6	11.50	6
M5 x 0.8	AEFHS	0.5 – 3.0	12.00	10	1.0	6.98	7.55	18.0	10	1.0	6.98	13.55	7
		3.0 – 5.5	14.50				6.55	20.5				12.55	
M6 x 1	AEFHS	0.5 – 3.0	14.50	13	1.5	8.98	7.85	22.4	13	1.5	8.98	17.75	9
		3.0 – 5.5	17.00				8.75	24.9				16.95	
M8 x 1.25	AEFHS	0.5 – 3.0	16.00	16	1.5	10.98	11.15	24.8	16	1.5	11	17.95	11
		3.0 – 5.5	18.50				11.35	27.3					
M10 x 1.5	AEFHS	0.7 – 3.5	19.75	19	2.25	13	11.70	31.4	19	2.25	13	23.35	13

TYPE AETH - THIN HEAD SEMIHEX BODY HEX COUNTERBORE

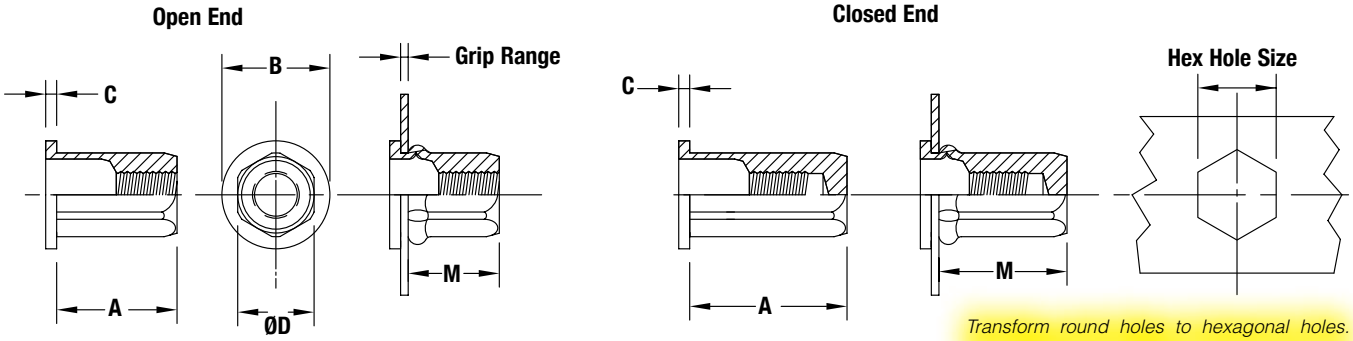


*Transform round holes to hexagonal holes. See **RIV990 and RIV991** tools on page 11.*

All dimensions are in millimeters.

Thread Size x Pitch	Type Steel	Grip Range	Open A ±0.25	Open B ±0.25	Open C ±0.13	Open ØD Max.	Open M Ref.	Closed A ±0.25	Closed B ±0.25	Closed C ±0.13	Closed ØD Max.	Closed M Ref.	Hex Hole Size +0.1
M3 X 0.5	AETHS	0.5 – 2.0	10.05	5.5	0.46	5	6.30	14.40	5.5	0.46	5	10.60	5
M4 x 0.7	AETHS	0.5 – 2.5	11.10	6.6	0.46	5.98	6.50	16.95	6.6	0.46	6	12.30	6
M5 x 0.8	AETHS	0.5 – 3.0	12.40	7.7	0.46	6.98	7.55	18.40	7.7	0.46	6.98	12.90	7
		3.0 – 5.5	14.90				6.95	20.90					
M6 x 1	AETHS	0.5 – 3.0	14.90	10	0.50	8.98	7.85	22.80	10	0.50	8.98	16.60	9
		3.0 – 5.5	17.40				8.75	25.30					
M8 x 1.25	AETHS	0.5 – 3.0	16.50	12	0.63	10.98	10.65	25.30	12	0.63	11	18.40	11
		3.0 – 5.5	19.00				9.65	27.80					
M10 x 1.5	AETHS	0.7 – 3.5	20.30	14.2	0.74	13	12.25	31.95	14.2	0.74	13	23.90	13

TYPE AEFHH - FLAT HEAD HEX BODY ROUND COUNTERBORE

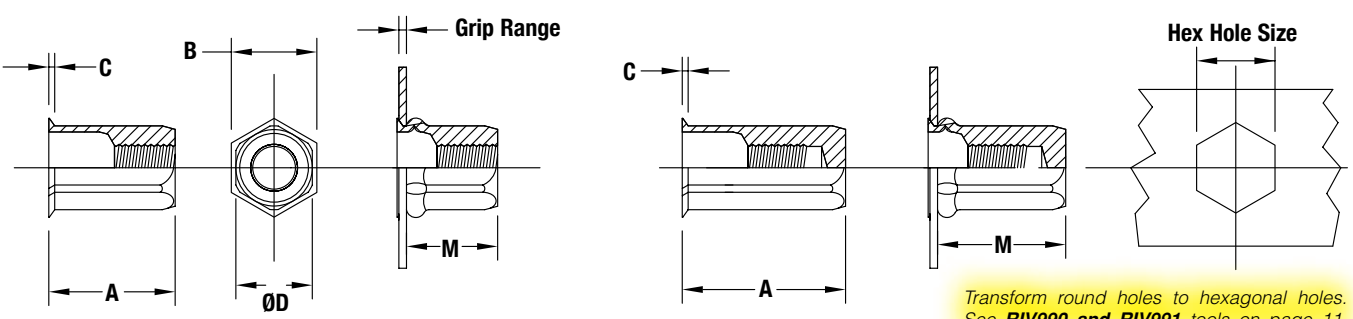


*Transform round holes to hexagonal holes. See **RIV990 and RIV991** tools on page 11.*

All dimensions are in millimeters.

Thread Size x Pitch	Type / Steel	Grip Range	Open A ±0.25	Open B ±0.25	Open C ±0.13	Open ØD Max.	Open M Ref.	Closed A ±0.25	Closed B ±0.25	Closed C ±0.13	Closed ØD Max.	Closed M Ref.	Hex Hole Size +0.1
M3 X 0.5	AEFHHS	0.5 – 2.0	9.75	8	0.75	5	6.00	14.1	8	0.75	5	10.35	5
M4 x 0.7	AEFHHS	0.5 – 2.5	10.75	9	0.75	6	6.15	16.6	9	0.75	6	12.00	6
M5 x 0.8	AEFHHS	0.5 – 3.0	12.00	10	1.0	7	6.55	18.0	10	1.0	7	12.55	7
		3.0 – 5.5	14.50					20.5					
M6 x 1	AEFHHS	0.5 – 3.0	14.50	13	1.5	9	8.35	22.4	13	1.5	9	16.25	9
		3.0 – 5.5	17.00					24.9					
M8 x 1.25	AEFHHS	0.5 – 3.0	16.00	16	1.5	11	9.15	24.8	16	1.5	11	17.95	11
		3.0 – 5.5	18.50					27.3					
M10 x 1.5	AEFHHS	0.7 – 3.5	19.75	19	2.25	13	11.70	31.4	19	2.25	13	23.35	13

TYPE AETHH - THIN HEAD HEX BODY ROUND COUNTERBORE

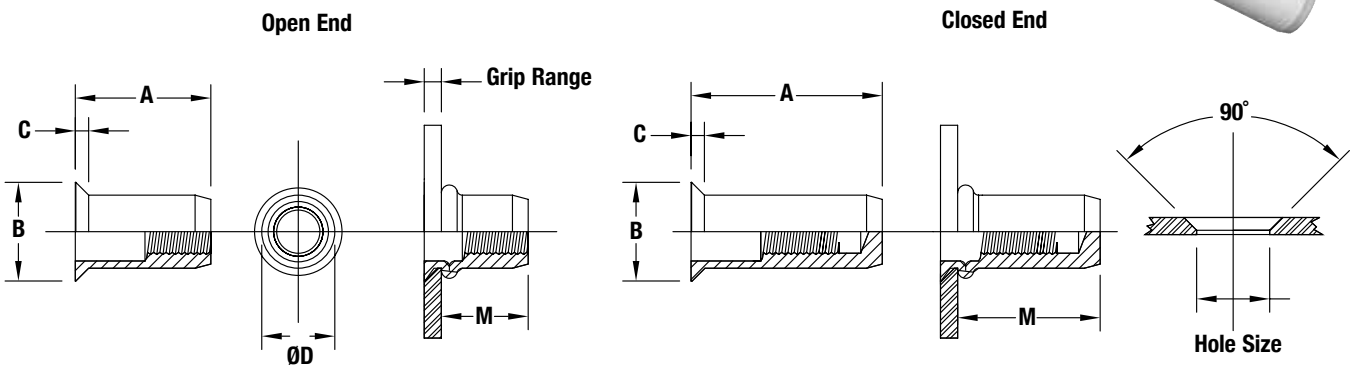


*Transform round holes to hexagonal holes. See **RIV990 and RIV991** tools on page 11.*

All dimensions are in millimeters.

Thread Size x Pitch	Type / Steel	Grip Range	Open A ±0.25	Open B ±0.25	Open C ±0.13	Open ØD Max.	Open M Ref.	Closed A ±0.25	Closed B ±0.25	Closed C ±0.13	Closed ØD Max.	Closed M Ref.	Hex Hole Size +0.1
M3 X 0.5	AETHHS	0.5 – 2.0	10.05	5.5	0.46	5	6.30	14.40	5.5	0.46	5	10.65	5
M4 x 0.7	AETHHS	0.5 – 2.5	11.10	6.6	0.46	6	6.50	16.95	6.6	0.46	6	12.35	6
M5 x 0.8	AETHHS	0.5 – 3.0	12.45	7.7	0.60	6.98	8.05	18.45	7.7	0.46	7	13.00	7
		3.0 – 5.5	14.95				7.00	20.95					
M6 x 1	AETHHS	0.5 – 3.0	15.05	10	0.75	8.98	9.35	22.95	10	0.50	9	16.80	9
		3.0 – 5.5	17.55				8.90	25.45					
M8 x 1.25	AETHHS	0.7 – 3.0	16.60	12	0.80	10.98	10.65	25.40	12	0.63	11	18.55	11
		3.0 – 5.5	19.10				9.75	27.90					
M10 x 1.5	AETHHS	0.7 – 3.5	20.40	14.2	0.90	13	12.35	32.05	14.2	0.90	13	24.00	13

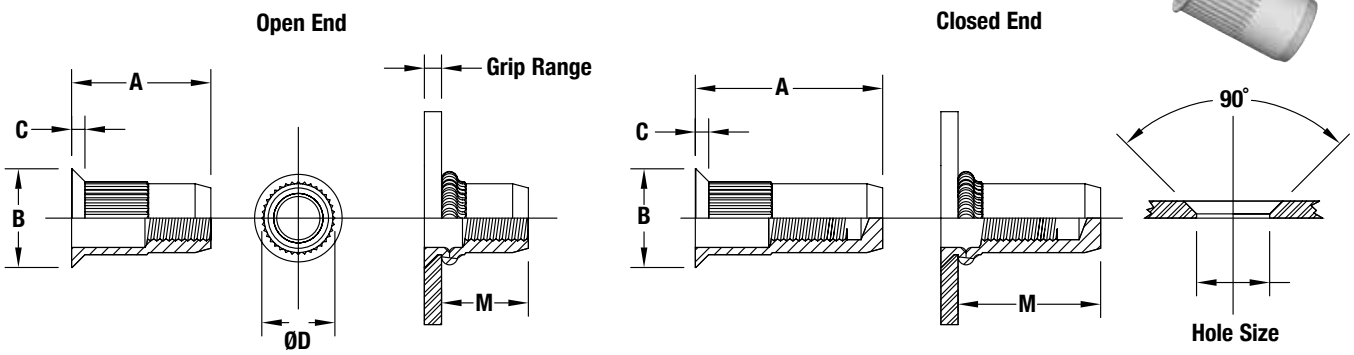
TYPE AECR - COUNTERSUNK HEAD ROUND BODY



All dimensions are in millimeters.

Thread Size x Pitch	Type	Grip Range	Open					Closed					Hole Size In Sheet +0.1
	Steel		A ±0.25	B ±0.25	C ±0.13	ØD Max.	M Ref.	A ±0.25	B ±0.25	C ±0.13	ØD Max.	M Ref.	
M3 X 0.5	AECRS	1.7 – 3.5	11.25	7.2	1.4	5	6.00	15.6	7.2	1.4	5	10.35	5
M4 x 0.7	AECRS	1.7 – 3.5	11.5	8.2	1.4	6	5.90	17.6	8.2	1.4	6	12.00	6
M5 x 0.8	AECRS	1.7 – 4.0	13	9.4	1.5	7	6.55	19.0	9.4	1.5	7	12.55	7
		4.0 – 6.5	16				7.05	21.5					
M6 x 1	AECRS	1.7 – 4.5	17	11.5	1.6	9	9.35	23.9	11.5	1.6	9	16.25	9
		4.5 – 6.5	19					25.9					
M8 x 1.25	AECRS	1.7 – 4.5	19	13.5	1.6	11	10.65	26.3	13.5	1.6	11	17.95	11
		4.5 – 6.5	21					28.3					
M10 x 1.5	AECRS	1.7 – 4.5	21	15.5	1.6	13	11.95	32.4	15.5	1.6	13	23.35	13

TYPE AECK - COUNTERSUNK HEAD KNURLED ROUND BODY



All dimensions are in millimeters.

Thread Size x Pitch	Type	Grip Range	Open					Closed					Hole Size In Sheet +0.1
	Steel		A ±0.25	B ±0.25	C ±0.13	ØD Max.	M Ref.	A ±0.25	B ±0.25	C ±0.13	ØD Max.	M Ref.	
M3 X 0.5	AECKS	1.7 – 3.5	11.25	7.2	1.4	5	6.00	15.6	7.2	1.4	5	10.35	5
M4 x 0.7	AECKS	1.7 – 3.5	11.5	8.2	1.4	6	5.90	17.6	8.2	1.4	6	12.00	6
M5 x 0.8	AECKS	1.7 – 4.0	13	9.4	1.5	7	6.55	19.0	9.4	1.5	7	12.55	7
		4.0 – 6.5	16				7.05	21.5					
M6 x 1	AECKS	1.7 – 4.5	17	11.5	1.6	9	9.35	23.9	11.5	1.6	9	16.25	9
		4.5 – 6.5	19					25.9					
M8 x 1.25	AECKS	1.7 – 4.5	19	13.5	1.6	11	10.65	26.3	13.5	1.6	11	17.95	11
		4.5 – 6.5	21					28.3					
M10 x 1.5	AECKS	1.7 – 4.5	21	15.5	1.6	13	11.95	32.4	15.5	1.6	13	23.35	13

MATERIAL AND FINISH SPECIFICATIONS

Code	Material	Threads	Standard Finish
A	Aluminum	Metric, 6H per ASME B1.13M	None
S	Low Carbon Steel	Metric, 6H per ASME B1.13M	RoHS compliant zinc clear per ASTM B 633, Fe/Zn8, Type V
C	Stainless Steel	Metric, 6H per ASME B1.13M	Passivated
B	Brass	Metric, 6H per ASME B1.13M	None

ATLAS TOOL SELECTOR GUIDE

Various applications may affect ATLAS insert installation. We recommend this tooling guide be used as a reference only. Please contact our ATLAS Customer Service department with questions regarding your specific installation tooling requirements.

The installation tool can reliably install all material types.

The installation tool is rated for Steel, Aluminum, MONEL®, and Brass.

The installation tool conditions must be optimal for reliable installation.

This combination of tool and insert is not recommended.

ATLAS® FM™ INSERTS

Insert Type	Thread Size	RIV938	RIV939 RIV912	RIV942	RIV998V	RIV938S	RIV916	RIV916B	RIV790	RIV990	RIV991
AEFM	#4-40, M3										
AEFM	#6-32										
AEFM	#8-32, M4										
AEFM	#10, M5										
AEFM	1/4", M6										
AEFM	5/16", M8										
AEFM	3/8", M10										
AEFM	1/2", M12										

SUGGESTED ASSEMBLY TORQUE VALUES TO PRODUCE CORRESPONDING BOLT LOADS

Thread Size	SAE Grade 5 Bolts					
	Clamp Load (lbs.)	Clamp Load (kN)	Assembly Torque (in lbs.)		Assembly Torque (N•m)	
			Dry	Plated	Dry	Plated
#4-40 / M3	380	1.69	8	6	0.90	0.68
#6-32 / M3.5	580	2.58	16	12	1.81	1.36
#8-32 / M4	900	4	30	22	3.39	2.49
#10-24	1120	4.98	43	32	4.86	3.62
#10-32 / M5	1285	5.71	49	36	5.54	4.07
1/4-20 / M6	2000	8.89	96	75	10.85	8.48
1/4-28	2300	10.22	120	86	13.56	9.72
5/16-18 / M8	3350	14.89	204	156	23.05	17.63
5/16-24	3700	16.44	228	168	25.76	18.98
3/8-16 / M10	4950	21	360	276	40.68	31.19
3/8-24	5600	24.89	420	300	47.46	39.9

MONEL® is a registered trademark of Special Metals Corporation.

INSTALLATION TOOLS

For more information visit www.pemnet.com/fastening_products/atlas/tools.html

ATLAS® RIV938 PULL-TO-PRESSURE TOOL

The pressure controlled installation of the ATLAS® RIV938 pull-to-pressure tool assures consistent installations and improves mandrel life.

- Pressure controlled setting allows the installation of the same insert into various material thickness without any adjustment of the tool.
- Pull-to-pressure feature extends mandrel life.
- Mandrel is a hardened socket head cap screw which is easy to replace when necessary.
- The auto-reverse feature after installation increases production rate.
- Eliminates over installing and double installing ensuring fastener thread integrity.

RIV938 (4143400 tool only) - nose pieces sold separately.
RIV938-MT (metric kit) - includes a gun and tooling to install thread sizes M4 through M10.

Tool Specifications

Thread Sizes	Weight (1)	Air (2)	Air Use	Minimum Hose Size I.D.	Max. Axial Pulling Load	Max. Stroke
M3 to M10 (female threaded inserts) M4 to M8 (male threaded inserts)	1.8 kg.	6 BAR	5 liters	9.5 mm	19 kN @ 6 BAR	6.5 mm

(1) With nose piece.
(2) Dynamic air pressure for unified tool is 70 to 100 PSI and 5 to 7 BAR for the metric tool. Do not exceed these values or tool can be damaged. The use of a pressure regulator is recommended.

Installs ATLAS® Stud Series

METRIC NOSE ASSEMBLY PART NUMBERS

Thread Size	Part No. For Complete Insert Nose Assembly	Part No. For Complete Stud Nose Assembly
M3	3441100	—
M4	3441200	3442300
M5	3441300	3442400
M6	3441400	3442500
M8	3441500	3442600
M10	3441600	—

ATLAS® RIV939 POWERFUL PULL-TO-PRESSURE TOOL FOR RIVET NUTS UP TO M12

Installs ATLAS® Stud Series

The pressure controlled setting of the ATLAS® RIV939 pull-to-pressure tool allows the installation of the same insert into various metal thickness without any adjustment of the tool. The pull-to-pressure feature extends mandril life.

ATLAS® RIV938S SMALL, LIGHTWEIGHT PULL-TO-PRESSURE TOOL

The pressure controlled installation of the ATLAS® RIV938S pull-to-pressure tool assures consistent installations and improves mandrel life.

ATLAS® RIV949 VERTICAL HYDROPNEUMATIC TOOL

Installs ATLAS® Stud Series

The RIV949 is a pull-to-pressure or stroke tool. One pull is enough to start the automatic stroke. When hung on a balancer, this innovative tool makes vertical applications quicker and easier.

ATLAS® RIV912 PULL-TO-STROKE SPIN-PULL TOOL

The RIV912 spin-pull tool provides powerful spin/pull action to easily install ATLAS MaxTite® fasteners.

Installs ATLAS® Stud Series

ATLAS® RIV942 PULL-TO-PRESSURE OR STROKE TOOL

The RIV942 spin-pull tool can easily install ATLAS SpinTite® and MaxTite® fasteners. The tool has two different systems of regulation, pressure or stroke, for installing inserts.

Installs ATLAS® Stud Series

ATLAS® RIV998V PNEUMATIC PULL-TO-STROKE TOOL

The pressure controlled installation of the ATLAS® RIV938S pull-to-pressure tool assures consistent installations and improves mandrel life.

Installs ATLAS® Stud Series

ATLAS® RIV916 PULL-TO-STROKE TOOL FOR PLUS+TITE® INSERTS

The RIV916 tool is designed with a long stroke to easily install ATLAS straight shank and pre-bulbed Plus+Tite® fasteners.

ATLAS® RIV790 14.4V LITHIUM BATTERY OPERATED TOOL

The RIV790 tool can install inserts from #4-40 to 3/8" and M3 to M10 thread sizes.

ATLAS® RIV990 HEXCUTTER TOOL FOR HEXAGONAL HOLES UP TO M8

The RIV990 tool is used to transform round holes to hexagonal holes.

ATLAS® RIV991 HEXCUTTER TOOL FOR HEXAGONAL HOLES UP TO M12

The RIV991 tool is used to transform round holes to hexagonal holes.

ATLAS® RIV901 HAND TOOL

- Unified kit includes tooling to install #6-32, #8-32, #10-32 and 1/4-20 rivet nuts.
- Metric kit includes tooling to install M3, M4, M5 and M6 rivet nuts.

ATLAS® RIV903 HAND TOOL

- Unified kit includes tooling to install #6-32, #8-32, #10-32, 1/4-20, and 5/16-16 rivet nuts
- Metric kit includes tooling to install M3, M4, M5, M6, M8 and M10 rivet nuts.

ATLAS® RIV905 HYDRAULIC HAND TOOL

- Simple to operate and easy to handle.
- Hydraulic force allows for installation of high-strength rivet nuts.

Installs ATLAS® Stud Series

INSTALLATION

After preparing properly sized hole in sheet, thread insert onto the pull-up stud of the installation tool and insert into the prepared hole. Activate tool and the pull-up stud retracts and bulges the unthreaded portion of the fastener shank against the flat undersurface. The installation tool stud is removed, leaving the insert secure and ready for the attachment screw.

VALUE-ADDED OPTIONS

AEH

Photo shown with AES insert assembled in AEH insert. Can also be assembled in an AEK insert.

Half Hex Stud

This insert combines a variety a features; a half-hex, dog point stud with a PVC form seal bonded to the underside of the head.

Wedge Head

Wedges under the head provide greater torque, especially in soft or thin materials.

Sealed Head

A PVC form seal is bonded to the underside of the head to provide a watertight seal. These parts conform to GM1131M, type D.

MONEL® Inserts

Type AEK inserts are available in MONEL®. They have superior corrosion resistance and are excellent for use in food and medical industries. Many sizes are in stock and available for immediate shipment.

Half Square Shank Insert

Half square shank for extremely high anti-rotation applications.

MONEL® is a registered trademark of Special Metals Corporation.

Regulatory compliance information is available in Technical Support section of our website.

Specifications subject to change without notice.
See our website for the most current version of this bulletin.

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