



**ATI TOOLS**  
A Snap-on Specialty Tools Brand

# WE ANTICIPATE TO BETTER FABRICATE

## FABRICATION TOOL CATALOG

RAIL



TRUCKING



AVIATION



SHIPYARD





**Supporting Fabricators Since 1938**



# ANTICIPATE

At ATI, our engineers design tools that anticipate the many circumstances and obstacles a sheet metal technician might encounter. Our foresight in designing tools has proven to be a welcoming success for metal fabricators in the Aviation, Truck, Bus, Trailer, Rail, RV, Marine and Shipyard industries. For-instance, our comprehensive tool kits will provide operators with everything right at their fingertips. No need to stop and run back to the tool crib. Also, our Angle Drills and Attachments are built to anticipate the cramped, tight, hard to reach spots workers frequently are faced with. The easier it is for them to maneuver, the more productive they'll be. And by thinking ahead, we developed the Only Rivet Shaver engineered with a microstop depth adjuster that securely locks your depth in place—so there are no mistakes.



**ATI TOOLS ANTICIPATE, SO YOU CAN  
BETTER FABRICATE... SMOOTHER,  
FASTER AND EASIER.**



# Snap-on Incorporated

## Who We Are

### OUR MISSION

The most valued productivity solutions in the world

#### BELIEFS

**We deeply believe in:**

Non-negotiable Product and Workplace Safety  
 Uncompromising Quality  
 Passionate Customer Care  
 Fearless Innovation  
 Rapid Continuous Improvement

#### VALUES

**Our behaviors define our success:**

We demonstrate Integrity.  
 We tell the Truth.  
 We respect the Individual.  
 We promote Teamwork.  
 We Listen.

#### VISION

**To be acknowledged as the:**

Brands of Choice  
 Employer of Choice  
 Franchisor of Choice  
 Business Partner of Choice  
 Investment of Choice

#### »» Manufacturing Excellence

Through meticulous manufacturing, precise heat treatment specifications, rigid inspection standards and skilled craftsmanship, we provide safe, functional and cost-effective aircraft tools engineered to perform, meet, and exceed the standards of serious aviation professionals.

We are dedicated to exceeding customer expectations by manufacturing and delivering the highest quality tools on time and within budget. Uncompromising attention to detail, versatility, and demand for superior quality enables us to provide customers with cutting-edge solutions to their tool needs.

#### »» SHIPPING:

Shipments are FOB our dock, City of Industry, CA, at which point title transfers to the Customer. All shipments are freight collect.

#### »» WARRANTY:

We warranty our tools against defects in material and workmanship for a period of ninety days after shipment. The warranty does not apply to any product that has been used, abused, or worn out from use. If the tool has been modified in any way, except for etching on the tool, the warranty is null and void.

#### »» RETURN POLICY:

- All returns require approval and an RMA number. Under no circumstances shall arbitrary returns or debits be accepted and/or approved. Returns received by ATI without an authorized RMA number will be returned to the customer, freight collect.
- Shipments must be clearly identified on the outside with the authorized RMA number.
- All items considered for return must be in new and resalable condition.
- Returns may be subject to a restocking charge and/or an offsetting order equal to one and one-half (1.5) times the net value of items being returned. The only exception to this rule is when ATI has shipped items in error.
- All items considered for return must have been purchased within 60 days.
- All returns must be shipped freight pre-paid to City of Industry, CA. Credit for shipping will be issued only on return of goods originally shipped in error by ATI.



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# DRILLING & MICROSTOPS



Microstop - Ball Bearing



Cutaway View



Microstop - Bushing



Cutaway View





**SDR4P36N2**



**SDR5P36N2**



**SDR6P26N3**



**SDR10P26N3**



**SDR10P26NK3**

**Performance:**

Power: 0.4 hp (0.30 kW) – 1 hp (0.75 kW)  
Speed Range: 2,600 rpm – 6,000 rpm  
Chuck Capacity: 1/4" (6 mm) – 3/8" (10 mm)

**Features:**

Rubber Grip

**Non-Reversible**



Model Number	Chuck Capacity		Free Speed rpm	Weight		Length		Side To Center		Air Consumption		Spindle Thread
	in	mm		lb	kg	in	mm	in	mm	scfm	l/s	
<b>0.4 hp (0.30 kW) – Keyed Chuck</b>												
SDR4P26N2	1/4	6	2600	1.6	0.7	5.5	140	0.7	17	20	10	3/8"-24
SDR4P26N3	3/8	10	2600	1.6	0.7	5.5	140	0.7	17	20	10	3/8"-24
SDR4P30N2	1/4	6	3000	1.6	0.7	5.5	140	0.7	17	20	10	3/8"-24
SDR4P36N2	1/4	6	3600	1.6	0.7	5.5	140	0.7	17	20	10	3/8"-24
SDR4P43N2	1/4	6	4300	1.6	0.7	5.5	140	0.7	17	20	10	3/8"-24
SDR4P50N2	1/4	6	5000	1.6	0.7	5.5	140	0.7	17	20	10	3/8"-24
SDR4P60N2	1/4	6	6000	1.6	0.7	5.5	140	0.7	17	20	10	3/8"-24
<b>0.5 hp (0.37 kW) – Keyed Chuck</b>												
SDR5P26N2	1/4	6	2600	1.5	0.7	5.5	140	0.7	17	30	14	3/8"-24
SDR5P30N2	1/4	6	3000	1.5	0.7	5.5	140	0.7	17	30	14	3/8"-24
SDR5P36N2	1/4	6	3600	1.5	0.7	5.5	140	0.7	17	30	14	3/8"-24
SDR5P43N2	1/4	6	4300	1.5	0.7	5.5	140	0.7	17	30	14	3/8"-24
SDR5P50N2	1/4	6	5000	1.5	0.7	5.5	140	0.7	17	30	14	3/8"-24
<b>1 hp (0.75 kW) – Keyed Chuck</b>												
SDR10P26N2	1/4	6	2600	2.3	1.05	6.5	165	0.8	20	30	14	3/8"-24
SDR10P26N3	3/8	10	2600	2.5	1.10	7.0	180	0.8	20	30	14	3/8"-24
SDR10P26N4	1/2	13	2600	2.9	1.30	7.5	190	0.8	20	30	14	1/2"-20
SDR10P40N2	1/4	6	4000	2.3	1.05	6.5	165	0.8	20	30	14	3/8"-24
SDR10P40N3	3/8	10	4000	2.5	1.10	7.0	180	0.8	20	30	14	3/8"-24
SDR10P60N2	1/4	6	6000	2.3	1.05	6.5	165	0.8	20	30	14	3/8"-24
SDR10P60N3	3/8	10	6000	2.5	1.10	7.0	180	0.8	20	30	14	3/8"-24

**General:** Air Inlet Size: 1/4" NPT • Recommended Hose Size: 3/8" (10 mm) • Performance rated @ 90 psig (6.2 bar) air pressure

**Standard Equipment:** Parts List • Safety and Instruction Manual • 3-jaw Chuck and Key • Comfort Grip

\*CONTACT YOUR LOCAL TERRITORY MANAGER FOR ALTERNATE DRILL MOTOR OPTIONS.



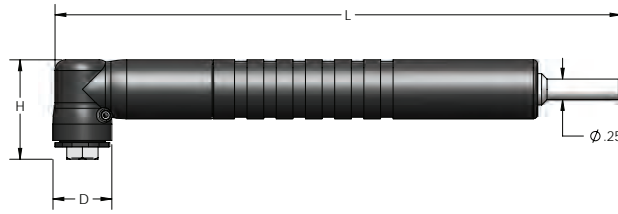
**SAFETY PRECAUTION:** Read and follow all safety and operating instructions.  
**WARNING:** Face & eye protection must be worn while operating power tools, per ANSI B186.1

# DRILLING & MICROSTOPS

## ANGLE DRILL ATTACHMENTS



- Used for drilling holes in tight access areas
- Heavy duty gears and bearings
- 1/4" shank for easy connection to drill motors
- Rated for 4500 RPM



Part Number	Type	Duty	Output Spindle	Drill Capacity	Length	Head Height	Head Diameter
ATI300B	90° Direct Drive	STANDARD	1/4"-28	5/16	6.00	1.625	0.813
ATI301B	45° Direct Drive	STANDARD	1/4"-28	5/16	6.69	1.000	0.813
ATI302B	90° Flex Drive	STANDARD	1/4"-28	5/16	30.00	1.625	0.813
ATI303B	45° Flex Drive	STANDARD	1/4"-28	5/16	30.00	1.000	0.813
ATI326A	90° Direct Drive	LIGHT	10-32	3/16	6.88	0.813	0.500
ATI327A18	90° Flex Drive	LIGHT	10-32	3/16	18.00	0.813	0.500
ATI327A-24	90° Flex Drive	LIGHT	10-32	3/16	24.00	0.813	0.500
ATI326B	90° Direct Drive	LIGHT	1/4"-28	3/16	6.88	0.813	0.500
ATI327B-12	90° Flex Drive	LIGHT	1/4"-28	3/16	12.00	0.813	0.500
ATI327B18	90° Flex Drive	LIGHT	1/4"-28	3/16	18.00	0.813	0.500
ATI327B-24	90° Flex Drive	LIGHT	1/4"-28	3/16	24.00	0.813	0.500
ATI336A	90° Direct Drive	HEAVY	CHUCK	1/4	6.25	1.438	1.000
ATI338A	90° Flex Drive	HEAVY	CHUCK	1/4	30.00	1.438	1.000
ATI336B	90° Direct Drive	HEAVY	1/4"-28	1/4	6.25	1.438	1.000
ATI338B	90° Flex Drive	HEAVY	1/4"-28	1/4	30.00	1.438	1.000
ATI337A	360° Direct Drive	HEAVY	CHUCK	1/4	6.00	1.438	1.000
ATI339A	360° Flex Drive	HEAVY	CHUCK	1/4	30.00	1.438	1.000
ATI337B	360° Direct Drive	HEAVY	1/4"-28	1/4	6.00	1.438	1.000
ATI339B	360° Flex Drive	HEAVY	1/4"-28	1/4	30.00	1.438	1.000



ATI303B



ATI326B

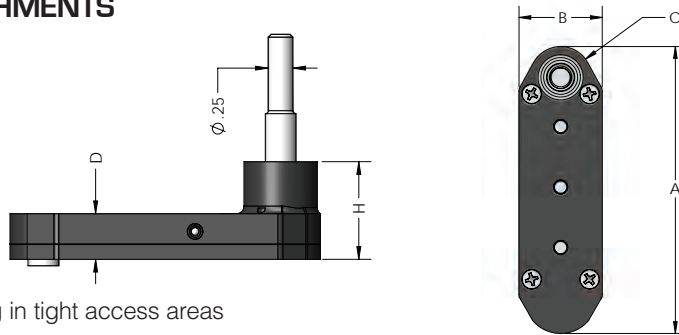


ATI336A



ATI337B

## OFFSET DRILL ATTACHMENTS



- Offset drive enables drilling in tight access areas
- 1/4" round shank

Part Number	Type	Speed	Spindle	Height (H)	Length (A)	Width (B)	Thickness (D)	Radius C
ATI313A	Straight Offset	6000	10-32	4.31	4.35	0.875	0.290	0.42
ATI313B	Straight Offset	6000	1/4"-28	4.31	4.35	0.875	0.290	0.42
ATI313LA	30° Left Hand Offset	6000	10-32	4.31	4.00	0.875	0.290	0.42
ATI313LB	30° Left Hand Offset	6000	1/4"-28	4.31	4.00	0.875	0.290	0.42
ATI313RA	30° Right Hand Offset	6000	10-32	4.31	4.00	0.875	0.290	0.42
ATI313RB	30° Right Hand Offset	6000	1/4"-28	4.31	4.00	0.875	0.290	0.42
ATI331A	Straight Offset	6000	10-32	4.38	4.19	0.921	0.438	0.44
ATI331B	Straight Offset	6000	1/4"-28	4.38	4.19	0.921	0.438	0.44
ATI332A	Straight Offset	4200	10-32	1.50	3.17	0.920	0.370	0.34
ATI332B	Straight Offset	4200	1/4"-28	1.50	3.17	0.920	0.370	0.34
ATI332SC	Straight Offset	4200	1/4"-28	1.50	3.12	0.920	0.320	0.31
ATI333B	Straight Offset, Reversed	4200	1/4"-28	1.50	3.18	0.960	0.500	0.32



ATI313LB



ATI331B



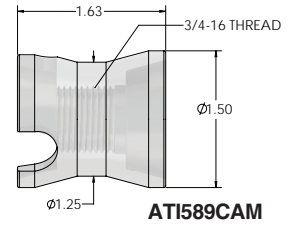
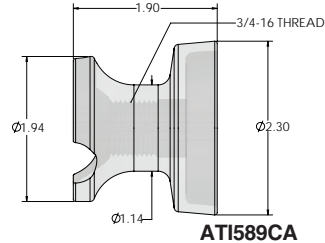
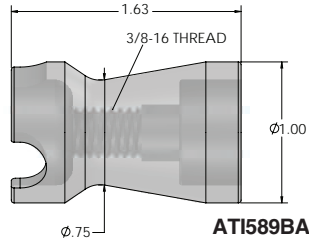
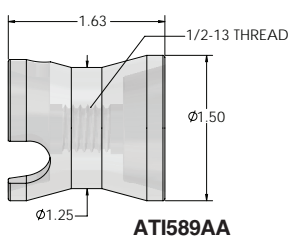


- Maintains tool perpendicular to flat or curved surfaces
- Used with drills, taps or reamers
- Case-hardened bushings are interchangeable in housings
- Housings provide ample relief for chips under the bushing
- Guide assemblies consist of housing with bushing installed
- Threaded interface allows interchangeability of bushings and housings

**ATI589AA**



STANDARD SLIP RENEWABLE  
DRILL BUSHING  
\*Not available  
from ATI



### DRILL GUIDE HOUSINGS

Housing Part Number	Description	Bushing Reference
ATI589AA	THREADED DRILL GUIDE HOUSING DRILL SIZES #40 (.098) THRU 5/16" (.3125)	ATI589AB-series 1/2"-13
ATI589BA	THREADED DRILL GUIDE HOUSING DRILL SIZES #40 (.098) THRU 1/4"	ATI58924T-series 3/8"-16
ATI589CA	THREADED DRILL GUIDE HOUSING LARGER DIAMETER FOR EASE IN BUSHING EXCHANGE DRILL SIZES 1/4" (.250) THRU 9/16" (.5625)	ATI589CB-series 3/4"-16
ATI589CAM	THREADED DRILL GUIDE HOUSING DRILL SIZES 1/4" (.250) THRU 9/16" (.5625)	ATI589CB-series 3/4"-16
ATI589DA	FLANGE LOCK DRILL GUIDE HOUSING DRILL SIZES #80 (.0135) THRU #10 (.1935)	*SLIP RENEWABLE 5/16" OD X 3/4" LONG
ATI589EA	FLANGE LOCK DRILL GUIDE HOUSING DRILL SIZES #28 (.1405) THRU 11/32" (.3438)	*SLIP RENEWABLE 1/2" OD X 3/4" LONG

### DRILL BUSHING ASSEMBLY KIT

#### ATI590DBK

These unique hand-held guides keep drills and taps perpendicular to the skin surface. The interchangeable bushings are hardened to provide maximum wear and extended life. The kit consists of three plastic housings and nine bushings.

Kit includes:

3	ATI589AA	1	ATI589AB1875
1	ATI589AB098	1	ATI589AB1935
1	ATI589AB1285	1	ATI589AB2187
1	ATI589AB1562	1	ATI589AB250
1	ATI589AB159	1	ATI589AB-257



Drill Guide Assemblies Part Number	Drill Bushing Part Number	Drill Size	Bushing Size
ATI589A-3T098	ATI58924T098	#40	3/8"-16
ATI589A-3T125	ATI58924T125	1/8"	3/8"-16
ATI589A-3T128	ATI58924T128	#30	3/8"-16
ATI589A-3T156	ATI58924T156	5/32"	3/8"-16
ATI589A-3T159	ATI58924T159	#21	3/8"-16
ATI589A-3T161	ATI58924T161	#20	3/8"-16
ATI589A-3T177	ATI58924T177	#16	3/8"-16
ATI589A-3T187	ATI58924T187	3/16"	3/8"-16
ATI589A-3T193	ATI58924T193	#10	3/8"-16
ATI589A-3T234	ATI58924T234	15/64"	3/8"-16
ATI589A-3T250	ATI58924T250	1/4 or E	3/8"-16

\*Special drill bushing sizes available upon request



**Drill Guide Assembly**

Drill Guide Assemblies Part Number	Drill Bushing Part Number	Drill Size	Bushing Size
ATI589A-093	ATI589AB093	3/32	1/2"-13
ATI589A-098	ATI589AB098	#40	1/2"-13
ATI589A-125	ATI589AB125	1/8	1/2"-13
ATI589A-1285	ATI589AB1285	#30	1/2"-13
ATI589A-1562	ATI589AB1562	5/32	1/2"-13
ATI589A-159	ATI589AB159	#21	1/2"-13
ATI589A161	ATI589AB-161	#20	1/2"-13
ATI589A166	ATI589AB-166	#19	1/2"-13
ATI589A173	ATI589AB-173	#17	1/2"-13
ATI589A177	ATI589AB-177	#16	1/2"-13
ATI589A185	ATI589AB1850	#13	1/2"-13
ATI589A-1875	ATI589AB1875	3/16	1/2"-13
ATI589A189	ATI589AB1890	#12	1/2"-13
ATI589A191	ATI589AB191	#11	1/2"-13
ATI589A-1935	ATI589AB1935	#10	1/2"-13
ATI589A-199	ATI589AB-199	#8	1/2"-13
ATI589A2187	ATI589AB2187	7/32	1/2"-13
ATI589A2344	ATI589AB2344	15/64	1/2"-13
ATI589A250	ATI589AB250	1/4 or E	1/2"-13
ATI589A257	ATI589AB-257	F	1/2"-13

\*Special drill bushing sizes available upon request



**Drill Bushing**

Drill Guide Assemblies Part Number	Drill Bushing Part Number	Drill Size	Bushing Size
ATI589C-2812	ATI589CB2812	9/32	3/4"-16
ATI589C-3125	ATI589CB3125	5/16	3/4"-16
ATI589C-3437	ATI589CB3437	11/32	3/4"-16
ATI589C-375	ATI589CB375	3/8	3/4"-16
ATI589C-4375	ATI589CB4375	7/16	3/4"-16
ATI589C-.500	ATI589CB500	1/2	3/4"-16

\*Special drill bushing sizes available upon request



**THREADED SHANK 3-JAW CHUCK**

**ATI339EC**

- Drill bit capacity from 1/16" to 1/4"
- Allows use of standard straight shank drills in tools with threaded spindles
- Internal jaws are inverted for maximum chucking torque
- 1/4"-28 threaded shank



**ATI339EC**

**THREADED SHANK DRILL ADAPTORS**

- Enables use of straight shank drill bits with threaded output angle drill attachments
- Retains drill bit with set screw
- 1/4"-28 threaded shank



**ATI503-40**



**ATI503-72**

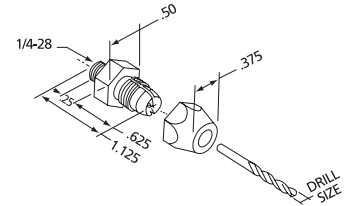
Part Number	Drill Size
ATI503-40	#40
ATI503-30	#30
ATI503-21	#21
ATI503-20	#20
ATI503-11	#11
ATI503-10	#10
ATI503-3	#3
ATI503-66	1/8
ATI503-70	3/16
ATI503-72	1/4
ATI503-73	5/16
ATI503-74	3/8
ATI503-77	F
ATI503-78	N

**THREADED SHANK DRILL COLLETS**

- Enables use of straight shank drill bits with threaded output angle drill attachments
- 1/4"-28 threaded shank

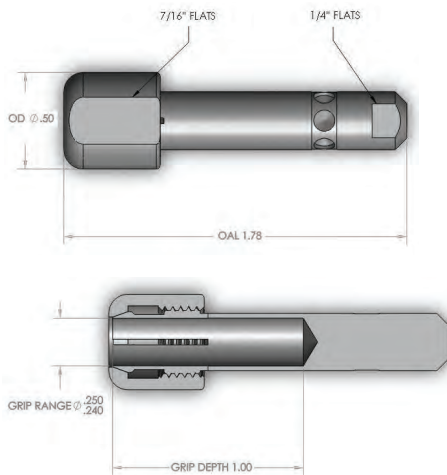


**ATI503C-1/8**



Part Number	Drill Size
ATI503C-3/32	3/32
ATI503C-40	#40
ATI503C-1/8	1/8
ATI503C-30	#30
ATI503C-5/32	5/32
ATI503C-21	#21
ATI503C-20	#20
ATI503C-19	#19
ATI503C-16	#16
ATI503C-3/16	3/16
ATI503C-12	#12
ATI503C-11	#11
ATI503C-10	#10
ATI503C-7/32	7/32
ATI503C-1/4	1/4
ATI503C-F	F

**QUICK-CHANGE DRILL COLLET**



Part Number	Description
ATI504C-1/4	Colleting Adaptor, Two-Piece, Quick-change shank, 1/4"

**DRILL STOPS**

- Controls hole depth and prevents chuck jaws from contacting drilled surface
- Unit locks onto drill bit with a set screw



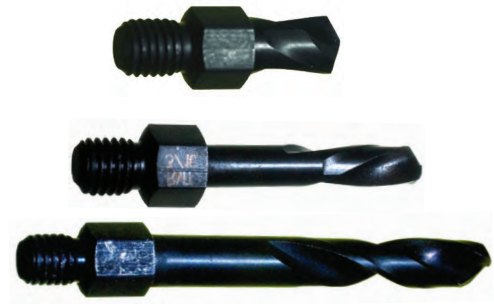
**ATI570-30**

Part Number	Drill Size	Color
ATI570-50	#50	Black
ATI570-40	#40	Zinc
ATI570-30	#30	Copper
ATI570-28	#28	Zinc
ATI570-27	#27	Zinc
ATI570-21	#21	Black
ATI570-20	#20	Zinc
ATI570-16	#16	Black
ATI570-12	#12	Brass
ATI570-11	#11	Brass
ATI570-10	#10	Brass
ATI570-13/64	13/64	Brass
ATI5707/32	7/32	Zinc
ATI570-1/4	1/4	Copper
ATI570-5/16	5/16	Copper

THREADED SHANK DRILL BITS

- MADE FROM HSS
- 135° Split Point
- 1/4"-28 threaded shank

Part Number	Drill Size	Length	Type	Part Number	Drill Size	Length	Type
ATIHSSST3/32	3/32	0.50	STUB	ATIHSSL5/32	5/32	2.13	LONG
ATIHSSST40	#40	0.50	STUB	ATIHSSST21	#21	0.56	STUB
ATIHSSSH40	#40	1.00	SHORT	ATIHSSST3/16	3/16	0.56	STUB
ATIHSSST1/8	1/8	0.50	STUB	ATIHSSSH3/16	3/16	1.25	SHORT
ATIHSSSH1/8	1/8	1.00	SHORT	ATIHSSL3/16	3/16	2.13	LONG
ATIHSSL1/8	1/8	2.13	LONG	ATIHSSST10	#10	0.56	LONG
ATIHSSST30	#30	0.56	STUB	ATIHSSH10	#10	1.25	SHORT
ATIHSSSH30	#30	1.25	SHORT	ATIHSSST1/4	1/4	0.63	STUB
ATIHSSL30	#30	2.13	LONG	ATIHSSSH1/4	1/4	1.25	SHORT
ATIHSSST5/32	5/32	0.56	STUB	ATIHSSL1/4	1/4	2.13	LONG
ATIHSSSH5/32	5/32	1.25	SHORT				



SIoux MINIATURE ANGLE DRILLS



Performance:

Power: 0.4 hp (0.30 kW)  
Speed Range: 2,700 rpm – 5,700 rpm

Features:

Non-Reversible  
Safety Lever

Miniature Angle Drills



Model Number	Free Speed	Weight		Length		Side to Center		Air Consumption		Spindle Internal Thread
	rpm	lb	kg	in	mm	in	mm	scfm	l/s	
<b>90° Standard Angle Head – 0.4 hp (0.30 kW)</b>										
SDR4A27S8L	2700	1.9	0.87	9.5	240	0.7	20	21	10	1/4"-28
SDR4A33S8L	3300	1.9	0.87	9.5	240	0.7	20	21	10	1/4"-28
SDR4A44S8L	4400	1.9	0.87	9.5	240	0.7	20	21	10	1/4"-28
SDR4A55S8L	5500	1.9	0.87	9.5	240	0.7	20	21	10	1/4"-28
SDR4A27S9L	2700	1.9	0.87	9.5	240	0.7	20	21	10	9/32"-40
<b>90° Compact Angle Head – 0.4 hp (0.30 kW)</b>										
SDR4A28C8L	2800	1.9	0.84	9.5	240	0.7	20	21	10	1/4"-28
SDR4A35C8L	3500	1.9	0.84	9.5	240	0.7	20	21	10	1/4"-28
SDR4A47C8L	4700	1.9	0.84	9.5	240	0.7	20	21	10	1/4"-28
SDR4A57C8L	5700	1.9	0.84	9.5	240	0.7	20	21	10	1/4"-28
<b>90° Heavy Duty Angle Head – 0.4 hp (0.30 kW)</b>										
SDR4A28H8L	2800	2.0	0.92	9.8	250	0.7	20	21	10	1/4"-28
SDR4A35H8L	3500	2.0	0.92	9.8	250	0.7	20	21	10	1/4"-28
<b>45° Angle Head – 0.4 hp (0.30 kW)</b>										
SDR4A28F8L	2800	1.9	0.85	9.8	250	0.7	20	21	10	1/4"-28
SDR4A35F8L	3500	1.9	0.85	9.8	250	0.7	20	21	10	1/4"-28
SDR4A28F9L	2800	1.9	0.85	9.8	250	0.7	20	21	10	9/32"-40
<b>360° Swivel Head – 0.4 hp (0.30 kW)</b>										
SDR4A29T8L	2900	2.1	0.97	10.0	265	0.7	20	21	10	1/4"-28
SDR4A48T8L	4800	2.1	0.97	10.0	265	0.7	20	21	10	1/4"-28

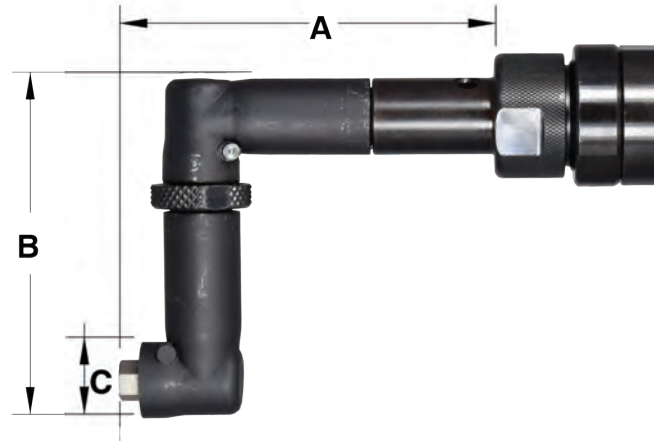
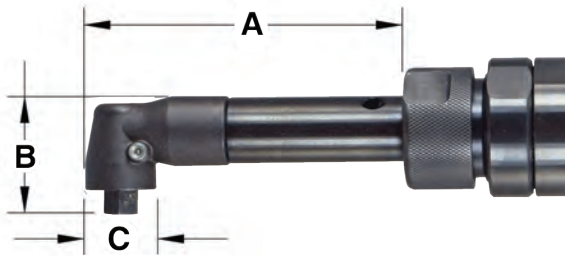
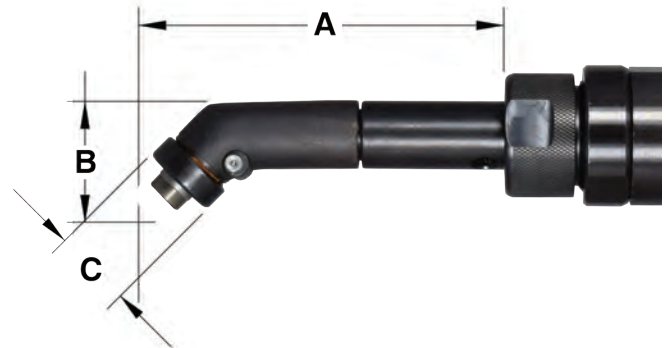
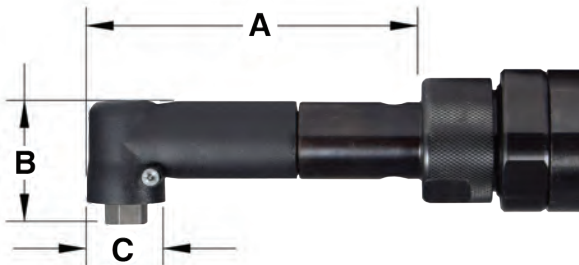
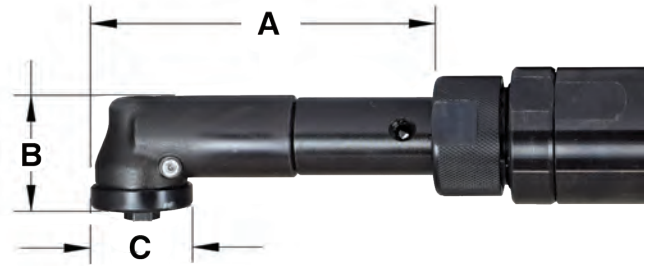
General: Air Inlet Size: 1/4" NPT • Recommended Hose Size: 3/8" (10 mm) • Performance rated @ 90 psig (6.2 bar) air pressure  
Standard Equipment: Parts List • Safety and Instruction Manual



**SAFETY PRECAUTION:** Read and follow all safety and operating instructions.  
**WARNING:** Face & eye protection must be worn while operating power tools, per ANSI B186.1

Head Dimensions (in.)

Head Type	Accessory SKU	A	B	C
Standard 90°	SP75990	3.04	1.11	0.71
Compact 90°	SP76006	3.02	0.88	0.67
Heavy Duty 90°	SP76002	3.31	1.08	0.97
45°	SP75994	3.34	1.11	0.72
360°	SP76008	3.44	3.14	0.71



# DRILLING & MICROSTOPS

## NUT PLATE DRILL JIGS



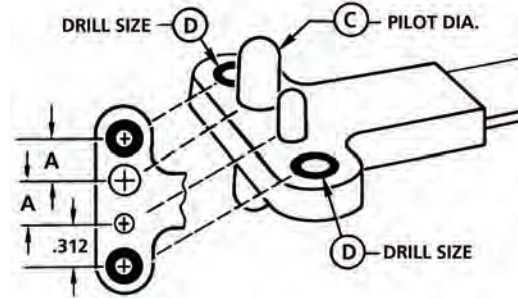
- Used for accurate drilling of rivet holes for nut plate fasteners
- Flexible handle provides clearance for hand during use
- Hardened steel head for durability

### ONE LUG — SINGLE WING STANDARD (SWS)

Part Number	Type	"A" Spacing	"C" Pilot Diameter	"D" Drill Size
ATI518G	SWS	.344	.139	#40
ATI518H	SWS	.344	.164	#40
ATI518RL	SWS	.344	.165	#40
ATI518RC	SWS	.344	.168	#40
ATI518RM	SWS	.344	.188	#40
ATI518J	SWS	.344	.191	#40
ATI518RD	SWS	.344	.192	#40
ATI518L	SWS	.344	.213	#40
ATI518RU	SWS	.344	.227	#40
ATI518K	SWS	.344	.248	#40
ATI518RE	SWS	.344	.256	#40
ATI518LF	SWS	.344	.281	#40
ATI518RW	SWS	.344	.311	#40
ATI518RO	SWS	.500	.248	#40
ATI518RF	SWS	.500	.256	#40
ATI518RX	SWS	.500	.311	#40
ATI518YF	SWS	.500	.343	#40
ATI518RP	SWS	.500	.311	#30
ATI518RG	SWS	.500	.315	#30
ATI518FH	SWS	.500	.372	#30
ATI518RH	SWS	.500	.373	#30
ATI518RJ	SWS	.562	.435	#30
ATI518RB	SWS	.344	.143	#40

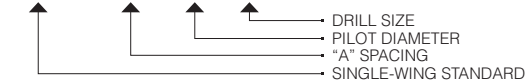


ATI518J



»» ORDER SPECIAL ONE-LUG, SINGLE-WING STANDARD, DRILL JIG'S AS FOLLOWS:

ATI518SWS-.XXX-.XXXX-.XX



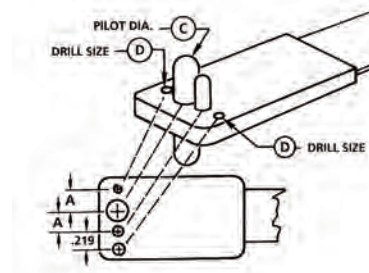
\*VALUES MAY BE EXPRESSED IN METRIC

### ONE LUG — SINGLE WING MINIATURE (SWM)

Part Number	Type	"A" Spacing	"C" Pilot Diameter	"D" Drill Size
ATI518NASBA2	SWM	.125	.086	#51
ATI518NASBA3	SWM	.133	.099	#51
ATI518NASBA4	SWM	.148	.112	#51
ATI518NASBA6	SWM	.171	.139	#51
ATI518PA	SWM	.203	.112	#40
ATI518JA	SWM	.203	.140	#40
ATI518PB	SWM	.218	.139	#40
ATI518JB	SWM	.218	.166	#40
ATI518PC	SWM	.234	.164	#40
ATI518JC	SWM	.234	.193	#40
ATI518PD	SWM	.250	.191	#40
ATI518JD	SWM	.250	.218	#40
ATI518PE	SWM	.281	.248	#40
ATI518JE	SWM	.281	.281	#40
ATI518PF	SWM	.250	.188	#40

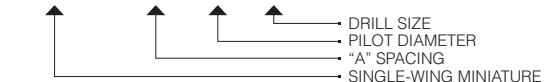


ATI518PB



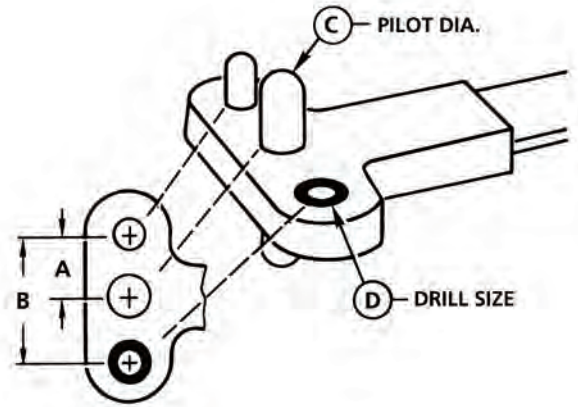
»» ORDER SPECIAL ONE-LUG, SINGLE-WING MINIATURE, DRILL JIG'S AS FOLLOWS:

ATI518SWM-.XXX-.XXXX-.XX



\*VALUES MAY BE EXPRESSED IN METRIC

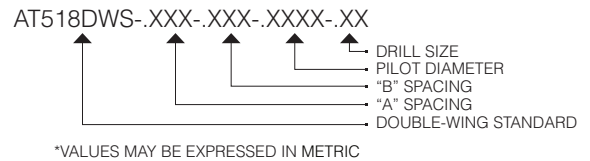




**TWO LUG — DOUBLE WING STANDARD (DWS)**

Part Number	Type	"A" Spacing	"B" Spacing	"C" Pilot Diameter	"D" Drill Size
AT1518A	DWS	.344	.688	.139	#40
AT1518B	DWS	.344	.688	.164	#40
AT1518KK	DWS	.344	.688	.165	#40
AT1518KC	DWS	.344	.688	.168	#40
AT1518KL	DWS	.344	.688	.188	#40
AT1518C	DWS	.344	.688	.191	#40
AT1518KD	DWS	.344	.688	.192	#40
AT1518KT	DWS	.344	.688	.227	#40
AT1518KU	DWS	.344	.688	.256	#40
AT1518BF	DWS	.344	.688	.281	#40
AT1518HL	DWS	.344	.688	.290	#40
AT1518GM	DWS	.344	.688	.312	#40
AT1518HE	DWS	.3125	.625	.187	#40
AT1518HM	DWS	.3125	.625	.218	#40
AT1518HO	DWS	.375	.750	.248	#40
AT1518HP	DWS	.375	.750	.281	#40
AT1518HH	DWS	.375	.750	.372	#40
AT1518M	DWS	.375	.750	.438	#40
AT1518HN	DWS	.375	.750	.467	#40
AT1518GT	DWS	.4375	.875	.373	#40
AT1518HX	DWS	.450	.900	.372	#40
AT1518D	DWS	.500	1.000	.248	#40
AT1518KE	DWS	.500	1.000	.256	#40
AT1518GR	DWS	.500	1.000	.271	#40
AT1518GS	DWS	.500	1.000	.296	#40
AT1518KV	DWS	.500	1.000	.311	#40
AT1518DF	DWS	.500	1.000	.343	#40
AT1518GG	DWS	.500	1.000	.656	#40
AT1518GL	DWS	.344	.688	.218	#40
AT1518KA	DWS	.344	.688	.119	#40
AT1518KB	DWS	.344	.688	.143	#40
AT1518HF	DWS	.500	1.000	.191	#30
AT1518HJ	DWS	.500	1.000	.248	#30
AT1518KN	DWS	.500	1.000	.311	#30
AT1518E	DWS	.500	1.000	.312	#30
AT1518KF	DWS	.500	1.000	.315	#30
AT1518F	DWS	.500	1.000	.372	#30
AT1518KG	DWS	.500	1.000	.373	#30
AT1518GD	DWS	.500	1.000	.375	#30
AT1518HG	DWS	.500	1.000	.389	#30
AT1518HD	DWS	.500	1.000	.500	#30

»» ORDER SPECIAL TWO-LUG, DOUBLE-WING STANDARD, DRILL JIG'S AS FOLLOWS:



Part Number	Type	"A" Spacing	"B" Spacing	"C" Pilot Diameter	"D" Drill Size
AT1518HS	DWS	.500	1.000	.561	#30
AT1518GB	DWS	.500	1.000	.593	#30
AT1518HT	DWS	.500	1.000	.624	#30
AT1518N	DWS	.500	1.000	.688	#30
AT1518GA	DWS	.500	1.000	.702	#30
AT1518GP	DWS	.562	1.124	.438	#30
AT1518HW	DWS	.592	1.184	.811	#30
AT1518GN	DWS	.595	1.190	.592	#30
AT1518KH	DWS	.625	1.250	.435	#30
AT1518HB	DWS	.687	1.375	.191	#30
AT1518HC	DWS	.687	1.375	.405	#30
AT1518KJ	DWS	.687	1.375	.498	#30
AT1518GE	DWS	.687	1.375	.500	#30
AT1518HK	DWS	.687	1.375	.656	#30
AT1518GC	DWS	.687	1.375	.718	#30
AT1518HA	DWS	.687	1.375	.749	#30
AT1518P	DWS	.687	1.375	.811	#30
AT1518HY	DWS	.700	1.400	.850	#30
AT1518GK	DWS	.500	1.000	.343	#30
AT1518KP	DWS	.500	1.000	.457	#30
AT1518GF	DWS	.375	.750	.437	#40
AT1518GH	DWS	.375	.750	.397	#40
AT1518GJ	DWS	.500	1.000	.281	#40
AT1518SP1171	DWS	.562	1.124	.191	#40
AT1518NASAA5	DWS	.359	.718	.312	#30
AT1518NASA06	DWS	.414	.828	.372	#30



**SAFETY PRECAUTION:** Read and follow all safety and operating instructions.  
**WARNING:** Face & eye protection must be worn while operating power tools, per ANSI B186.1

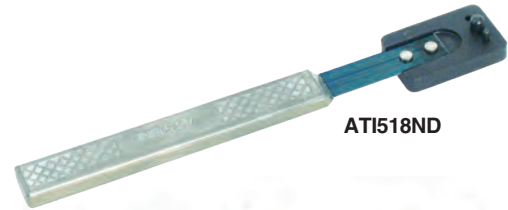
# DRILLING & MICROSTOPS

## NUT PLATE DRILL JIGS

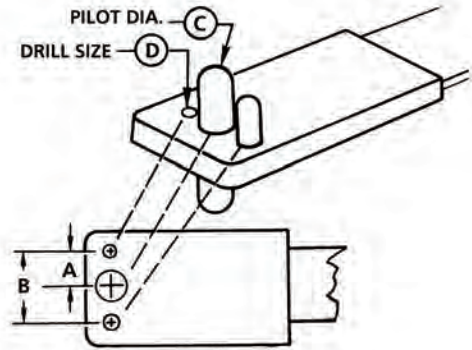
### TWO LUG — DOUBLE WING MINIATURE (DWM)



Part Number	Type	"A" Spacing	"B" Spacing	"C" Pilot Diameter	"D" Drill Size
ATI518NASAA2	DWM	.125	.250	.086	#51
ATI518NASAA3	DWM	.133	.265	.099	#51
ATI518NASA4	DWM	.148	.296	.112	#51
ATI518NSAA06	DWM	.172	.343	.139	#51
ATI518NA	DWM	.203	.406	.112	#40
ATI518AA	DWM	.203	.406	.140	#40
ATI518BA	DWM	.203	.406	.180	#40
ATI518NB	DWM	.218	.436	.139	#40
ATI518AB	DWM	.219	.437	.166	#40
ATI518BB	DWM	.219	.437	.2055	#40
ATI518NC	DWM	.234	.468	.164	#40
ATI518NG	DWM	.234	.468	.1925	#40
ATI518AC	DWM	.234	.468	.193	#40
ATI518NH	DWM	.234	.468	.227	#40
ATI518BC	DWM	.234	.468	.234	#40
ATI518ND	DWM	.250	.500	.191	#40
ATI518AD	DWM	.250	.500	.218	#40
ATI518BD	DWM	.250	.500	.257	#40
ATI518NE	DWM	.281	.562	.248	#40
ATI518AE	DWM	.281	.562	.281	#40
ATI518BE	DWM	.281	.562	.323	#40
ATI518NF	DWM	.313	.625	.312	#30
ATI518AF	DWM	.313	.625	.343	#30
ATI518ZX	DWM	.539	1.080	.248	#40
ATI518SP1016	DWM	.295	.590	.217	#40
ATI518BG	DWM	.359	.718	.373	#30
ATI518NJ	DWM	.250	.500	.1875	#40



ATI518ND



»» ORDER SPECIAL TWO-LUG, DOUBLE-WING MINIATURE, DRILL JIG'S AS FOLLOWS:

ATI518DWM-.XXXX-.XXXX-.XXXX-.XX



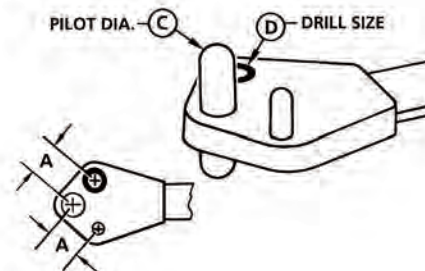
\*VALUES MAY BE EXPRESSED IN METRIC

### CORNER WING STANDARD (CWS)

Part Number	Type	"A" Spacing	"C" Pilot Diameter	"D" Drill Size
ATI518R	CWS	.344	.139	#40
ATI518S	CWS	.344	.164	#40
ATI518MK	CWS	.344	.1645	#40
ATI518MC	CWS	.344	.1675	#40
ATI518ML	CWS	.344	.1875	#40
ATI518T	CWS	.344	.191	#40
ATI518MD	CWS	.344	.192	#40
ATI518MT	CWS	.344	.2265	#40
ATI518MU	CWS	.500	.2555	#40
ATI518U	CWS	.500	.248	#40
ATI518ME	CWS	.500	.2555	#40
ATI518MV	CWS	.500	.3105	#40
ATI518MN	CWS	.500	.311	#30
ATI518V	CWS	.500	.312	#30
ATI518MF	CWS	.500	.3145	#30
ATI518W	CWS	.500	.372	#30
ATI518MP	CWS	.500	.373	#30
ATI518MR	CWS	.562	.435	#30
ATI518X	CWS	.562	.4375	#30
ATI518MB	CWS	.344	.1425	#40
ATI518NASCA5	CWS	.358	.312	#30

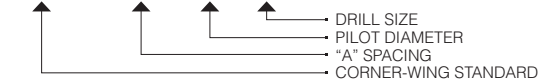


ATI518U



»» ORDER SPECIAL CORNER-WING STANDARD DRILL JIG'S AS FOLLOWS:

ATI518CWS-.XXXX-.XXXX-.XX



\*VALUES MAY BE EXPRESSED IN METRIC



**SAFETY PRECAUTION:** Read and follow all safety and operating instructions.

**WARNING:** Face & eye protection must be worn while operating power tools, per ANSI B186.1

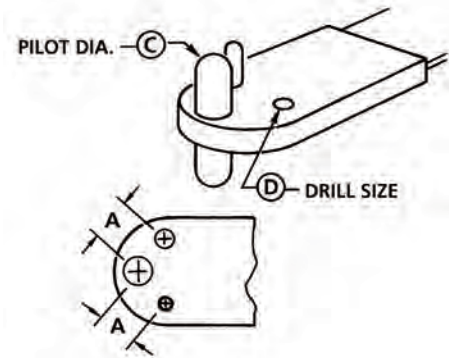




**ATI518SD**

**CORNER WING MINIATURE (CWM)**

Part Number	Type	"A" Spacing	"C" Pilot Diameter	"D" Drill Size
ATI518NSCA02	CWM	.125	.086	#51
ATI518NSCA03	CWM	.138	.099	#51
ATI518NSCA04	CWM	.148	.112	#51
ATI518NSCA06	CWM	.172	.139	#51
ATI518SA	CWM	.203	.112	#40
ATI518UA	CWM	.203	.140	#40
ATI518SB	CWM	.218	.139	#40
ATI518UB	CWM	.218	.166	#40
ATI518SC	CWM	.234	.164	#40
ATI518UC	CWM	.234	.193	#40
ATI518SD	CWM	.250	.191	#40
ATI518UD	CWM	.250	.218	#40
ATI518SE	CWM	.281	.248	#40
ATI518UE	CWM	.281	.281	#40
ATI518SF	CWM	.312	.312	#30
ATI518UF	CWM	.312	.343	#30
ATI518SJ	CWM	.250	.1875	#40



**»» ORDER SPECIAL CORNER-WING MINIATURE DRILL JIG'S AS FOLLOWS"**

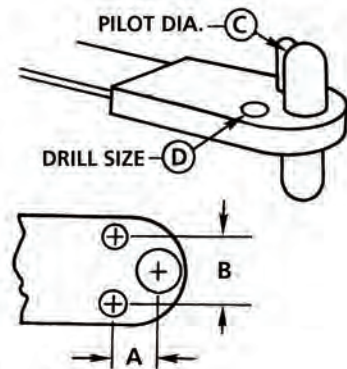
ATI518CWM-.XXXX-.XXXX-.XX



**ATI518TA**

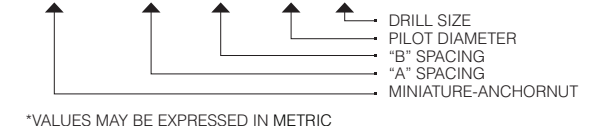
**MINIATURE ANCHORNUT (SLM)**

Part Number	Type	"A" Spacing	"B" Spacing	"C" Pilot Diameter	"D" Drill Size
ATI518NSDA08	SLM	.234	.219	.164	#40
ATI518TA	SLM	.250	.219	.191	#40
ATI518TB	SLM	.281	.219	.248	#40
ATI518TC	SLM	.312	.250	.312	#30
ATI518TD	SLM	.359	.269	.3125	#30
ATI518TE	SLM	.250	.219	.1875	#40
ATI518NASDA5	SLM	.359	.269	.312	#30
ATI518NASDA6	SLM	.414	.269	.372	#30



**»» ORDER SPECIAL MINIATURE ANCHORNUT DRILL JIG'S AS FOLLOWS:**

ATI518SLM-.XXXX-.XXXX-.XXXX-.XX



**SAFETY PRECAUTION:** Read and follow all safety and operating instructions.

**WARNING:** Face & eye protection must be worn while operating power tools, per ANSI B186.1

# DRILLING & MICROSTOPS

## NUT PLATE CONVERSIONS



### SINGLE WING

Nutplate Spec	Style	Part Number
MS21051-06	Single Wing	ATI518G
MS21051-08	Single Wing	ATI518H
MS21051-3	Single Wing	ATI518J
MS21051-4	Single Wing	ATI518K
MS21051-5	Single Wing	ATI518RP
MS21051-6	Single Wing	ATI518RH
MS21052-06	Single Wing	ATI518G
MS21052-08	Single Wing	ATI518H
MS21052-3	Single Wing	ATI518J
MS21052-4	Single Wing	ATI518K
MS21052-5	Single Wing	ATI518RP
MS21052-6	Single Wing	ATI518RH
MS21053-08	Single Wing	ATI518H
MS21053-3	Single Wing	ATI518J
MS21053-4	Single Wing	ATI518RO
MS21053-5	Single Wing	ATI518RP
MS21054-08	Single Wing	ATI518H
MS21054-3	Single Wing	ATI518J
MS21054-4	Single Wing	ATI518RO
MS21054-5	Single Wing	ATI518RP
MS21061-06	Single Wing	ATI518G
MS21061-08	Single Wing	ATI518H
MS21061-3	Single Wing	ATI518J
MS21061-4	Single Wing	ATI518RO
MS21061-5	Single Wing	ATI518RP
MS21061-6	Single Wing	ATI518RH
MS21062-06	Single Wing	ATI518G
MS21062-08	Single Wing	ATI518H
MS21062-3	Single Wing	ATI518J
MS21062-4	Single Wing	ATI518RO
MS21062-5	Single Wing	ATI518RP
MS21062-6	Single Wing	ATI518RH
MS21071-04	Single Wing	ATI518PA
MS21071-06	Single Wing	ATI518PB
MS21071-08	Single Wing	ATI518PC
MS21071-3	Single Wing	ATI518PD
MS21071-4	Single Wing	ATI518PE
MS21072-04	Single Wing	ATI518PA
MS21072-06	Single Wing	ATI518PB
MS21072-08	Single Wing	ATI518PC
MS21072-3	Single Wing	ATI518PD
MS21072-4	Single Wing	ATI518PE
NAS1067-08	Single Wing	ATI518PC
NAS1067-3	Single Wing	ATI518PD
NAS1067-4	Single Wing	ATI518PE
NAS1774-06	Single Wing	ATI518G
NAS1774-08	Single Wing	ATI518H
NAS1774-3	Single Wing	ATI518J
NAS1774-4	Single Wing	ATI518RO
NAS1774-5	Single Wing	ATI518RP

### SINGLE WING

Nutplate Spec	Style	Part Number
NAS1774-6	Single Wing	ATI518RH
NAS1792-3	Single Wing	ATI518J
NAS1792-4	Single Wing	ATI518RO
NAS1792-5	Single Wing	ATI518RP
NAS687-06	Single Wing	ATI518G
NAS687-08	Single Wing	ATI518H
NAS687-3	Single Wing	ATI518J
NAS687-4	Single Wing	ATI518RO
NAS687-5	Single Wing	ATI518RP

### DOUBLE WING

Nutplate Spec	Style	Part Number
MS21047-06	Double Wing	ATI518A
MS21047-08	Double Wing	ATI518B
MS21047-3	Double Wing	ATI518C
MS21047-4	Double Wing	ATI518D
MS21047-5	Double Wing	ATI518E
MS21047-6	Double Wing	ATI518F
MS21048-06	Double Wing	ATI518A
MS21048-08	Double Wing	ATI518B
MS21048-3	Double Wing	ATI518C
MS21048-4	Double Wing	ATI518D
MS21048-5	Double Wing	ATI518E
MS21048-6	Double Wing	ATI518F
MS21048-7	Double Wing	ATI518GP
MS21049-08	Double Wing	ATI518B
MS21049-3	Double Wing	ATI518C
MS21049-4	Double Wing	ATI518D
MS21049-5	Double Wing	ATI518E
MS21050-08	Double Wing	ATI518B
MS21050-3	Double Wing	ATI518C
MS21050-4	Double Wing	ATI518D
MS21050-5	Double Wing	ATI518E
MS21059-06	Double Wing	ATI518A
MS21059-08	Double Wing	ATI518B
MS21059-3	Double Wing	ATI518C
MS21059-4	Double Wing	ATI518D
MS21059-5	Double Wing	ATI518E
MS21059-6	Double Wing	ATI518F
MS21060-06	Double Wing	ATI518A
MS21060-08	Double Wing	ATI518B
MS21060-3	Double Wing	ATI518C
MS21060-4	Double Wing	ATI518D
MS21060-5	Double Wing	ATI518E
MS21060-6	Double Wing	ATI518F
MS21069-04	Double Wing	ATI518NA
MS21069-06	Double Wing	ATI518NB
MS21069-08	Double Wing	ATI518NC
MS21069-3	Double Wing	ATI518ND
MS21069-4	Double Wing	ATI518NE



**DOUBLE WING**

Nutplate Spec	Style	Part Number
MS21069-5	Double Wing	ATI518NASAA5
MS21069-6	Double Wing	ATI518NASAA6
MS21070-04	Double Wing	ATI518NA
MS21070-06	Double Wing	ATI518NB
MS21070-08	Double Wing	ATI518NC
MS21070-3	Double Wing	ATI518ND
MS21070-4	Double Wing	ATI518NE
MS21070-5	Double Wing	ATI518NASAA5
MS21075-04	Double Wing	ATI518NA
MS21075-06	Double Wing	ATI518NB
MS21075-08	Double Wing	ATI518NC
MS21075-3	Double Wing	ATI518ND
MS21075-4	Double Wing	ATI518NE
MS21075-5	Double Wing	ATI518NASAA5
MS21076-04	Double Wing	ATI518NA
MS21076-06	Double Wing	ATI518NB
MS21076-08	Double Wing	ATI518NC
MS21076-3	Double Wing	ATI518ND
MS21076-4	Double Wing	ATI518NE
MS21076-5	Double Wing	ATI518NASAA5
NAS1068-04	Double Wing	ATI518NASAA4
NAS1068-06	Double Wing	ATI518NSAA06
NAS1068-08	Double Wing	ATI518NC
NAS1068-3	Double Wing	ATI518ND
NAS1068-4	Double Wing	ATI518NE
NAS1068-5	Double Wing	ATI518NASAA5
NAS1473-08	Double Wing	ATI518B
NAS1473-3	Double Wing	ATI518C
NAS1473-4	Double Wing	ATI518D
NAS1473-5	Double Wing	ATI518E
NAS1474-3	Double Wing	ATI518SP1016
NAS1791-3	Double Wing	ATI518C
NAS1791-4	Double Wing	ATI518D
NAS1791-5	Double Wing	ATI518E
NAS697-02	Double Wing	AT518NASAA02
NAS697-03	Double Wing	AT518NASAA03
NAS697-04	Double Wing	ATI518NASAA4
NAS697-06	Double Wing	ATI518NSAA06
NAS697-08	Double Wing	ATI518NC
NAS697-3	Double Wing	ATI518ND
NAS697-4	Double Wing	ATI518NE
NAS697-5	Double Wing	ATI518NASAA5
NAS697-6	Double Wing	ATI518NASAA6

**CORNER**

Nutplate Spec	Style	Part Number
MS21055-06	CORNER	ATI518R
MS21055-08	CORNER	ATI518S
MS21055-3	CORNER	ATI518T
MS21055-4	CORNER	ATI518U

**CORNER**

Nutplate Spec	Style	Part Number
MS21055-5	CORNER	ATI518V
MS21055-6	CORNER	ATI518W
MS21055-7	CORNER	ATI518X
MS21056-06	CORNER	ATI518R
MS21056-08	CORNER	ATI518S
MS21056-3	CORNER	ATI518T
MS21056-4	CORNER	ATI518U
MS21056-5	CORNER	ATI518V
MS21056-6	CORNER	ATI518W
MS21056-7	CORNER	ATI518X
MS21057-08	CORNER	ATI518S
MS21057-3	CORNER	ATI518T
MS21057-4	CORNER	ATI518U
MS21057-5	CORNER	ATI518V
MS21058-08	CORNER	ATI518S
MS21058-3	CORNER	ATI518T
MS21058-4	CORNER	ATI518U
MS21058-5	CORNER	ATI518V
MS21073-02	CORNER	ATI518NSCA02
MS21073-04	CORNER	ATI518SA
MS21073-06	CORNER	ATI518SB
MS21073-08	CORNER	ATI518SC
MS21073-3	CORNER	ATI518SD
MS21073-4	CORNER	ATI518SE
MS21073-5	CORNER	AT518NASCA5
MS21074-02	CORNER	ATI518NSCA02
MS21074-04	CORNER	ATI518SA
MS21074-06	CORNER	ATI518SB
MS21074-08	CORNER	ATI518SC
MS21074-3	CORNER	ATI518SD
MS21074-4	CORNER	ATI518SE
MS21074-5	CORNER	AT518NASCA5

**SHORT LUG**

Nutplate Spec	Style	Part Number
NAS1789-08	SHORT LUG	AT518NSDA08
NAS1789-3	SHORT LUG	ATI518TA
NAS1789-4	SHORT LUG	ATI518TB
NAS1789-5	SHORT LUG	ATI518TD
NAS1789-6	SHORT LUG	AT518NASDA6



**SAFETY PRECAUTION:** Read and follow all safety and operating instructions.  
**WARNING:** Face & eye protection must be worn while operating power tools, per ANSI B186.1

Part Number	Shank Diameter	Body Diameter	Body Length
ATI470B-.75	1/4" Straight	1/2"	0.75"
ATI470B-1.0	1/4" Straight	1/2"	1.0"
ATI470B-1.5	1/4" Straight	1/2"	1.5"
ATI470B-3.0	1/4" Straight	1/2"	3.0"
ATI470B1	1/4" Straight	1/2"	4.0"
ATI470B1F	1/4" Straight with Flats	1/2"	4.0"
ATI470B-2	1/4" Straight	1/2"	6.0"
ATI470B-2F	1/4" Straight with Flats	1/2"	6.0"
ATI470B-8.0	1/4" Straight	1/2"	8.0"
ATI470C-1	1/4"-28 Thread	3/8"	1.0"
ATI470C-2	1/4"-28 Thread	3/8"	2.0"
ATI470C-3	1/4"-28 Thread	3/8"	3.0"
ATI470C-4	1/4"-28 Thread	3/8"	4.0"
ATI470C-5	1/4"-28 Thread	3/8"	5.0"
ATI470C-6	1/4"-28 Thread	3/8"	6.0"
ATI470C-12	1/4"-28 Thread	3/8"	12.0"



ATI470B1



## What is a Microstop and What Does it Do?

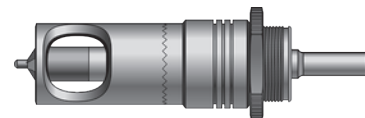
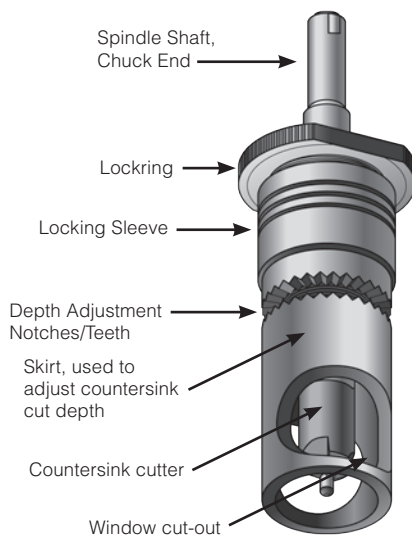
A "microstop" is a cylindrical tool that holds a cutting tool known as a "countersink."

The microstop allows the countersink to move perpendicular to the cutting surface at precise depths. When countersinking, the microstop can make "micro" adjustments up and down, and "stop" the countersink at the exact depth to match the profile of the fastener to be installed. The countersink depth is controlled by rotating the microstop skirt. The adjustments are extremely precise. Rotating the countersink skirt adjusts the countersink depth by only 0.0005 in.

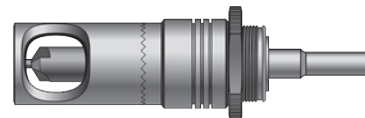
Extreme precision is important when countersinking a hole because it enables the ultimate objective: to ensure that the fastener – typically a flush rivet – fills the countersunk hole completely. Usually a rivet gun is used for installing and deforming the flush rivet into the hole's geometry.

When each countersunk hole is precisely drilled and fasteners are properly installed, every part of the plane's skin has consistent strength and load distribution. The use of a microstop allows for uniformity and helps achieve this goal.

A versatile tool, a microstop works with any type of threaded shank cutter in applications where the depth of cut requires extreme precision. This would include countersinks, counterbores, and hollow cutters, just to name a few.



"Microstop & Countersink Cutter" in advanced position



"Microstop & Countersink Cutter" in retracted position

**NOTE:** Skirt remains stationary when in contact with the cutting surface, enabling the operator to view the cutter.

**FOR COUNTERSINK CUTTERS THREADED 1/4"-28, M6 X 1, AND M8 X 1**  
(Refer to ATI420, ATI438, ATI445, ATI455, ATI463, ATM6, ATM8 countersink cutters)



**Microstop - Ball Bearing**



**Cutaway View**



**Microstop - Bushing**



**Cutaway View**

**ATI443 MICROSTOPS**

- For lower volume countersinking in maintenance and home-build environments
- Bronze bushing shaft support
- Heavy duty ball thrust bearing ensures depth repeatability
- Fail-safe design accomplished with integrated shoulder on shaft
- .0005" depth adjustment, 5/16" shaft travel
- Right-hand threaded lock nut prevents jamming of adjustment mechanism.
- Multiple skirt configuration options
- Multiple shaft configuration options

**ATI444 MICROSTOPS**

- For high volume, accurate countersinking in a production environment
- Full ball bearing shaft support for increased life
- Heavy duty ball thrust bearing ensures depth repeatability
- Fail-safe design accomplished with integrated shoulder on shaft
- Debris filter prevents chips and dust from contaminating bearings
- .0005" depth adjustment, 5/16" shaft travel
- Right-hand threaded lock nut prevents jamming of adjustment mechanism
- Multiple skirt configuration options
- Multiple shaft configuration options

**SKIRTS:**

	<b>S (ATI444-S)</b> Straight 3/4" Capacity
	<b>E (ATI444-E)</b> Straight Cutaway 3/4" Capacity
	<b>F (ATI444-F)</b> Flanged 3/4" Capacity
	<b>A (ATI444-A + ATI444-37P)</b> Phenolic Insert 3/4" Capacity
	<b>H (ATI444-A + ATI444-37NF)</b> Nylon Flange Insert 3/4" Capacity

**EXTENDED SKIRTS:**  
2-3/4" Extension  
(Includes extension shaft)



<b>LC (ATI444-LC)</b> 1/4-28 Female Thread 3/8 ID X 1/2 OD
<b>LD (ATI444-LD)</b> 1/4-28 Female Thread 5/8 ID X 3/4 OD

**SHAFTS:**

All shafts feature wrenching flats to aid in removal of cutter after use.

	<b>1 (ATI444-1)</b> 1/4-28 Female Thread 1/4 Round Shank
	<b>2 (ATI444-2)</b> 1/4-28 Female Thread 3 Chuck Flats Shank
	<b>3 (ATI444-3)</b> 1/4-28 Female Thread Quick Change Shank

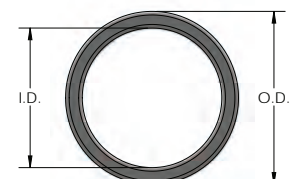
**\*NON-STANDARD SKIRTS & SHAFTS AVAILABLE. CONTACT YOUR LOCAL TERRITORY MANAGER.**

**ORDERING:** Choose either ATI444 or ATI443, Skirt Option, and Shaft Option.

Part Number	MODEL / SKIRT / SHAFT
Ex. ATI444G2	ATI444 + G + 2
Ex. ATI444LA4	ATI444 + LA + 4
Ex. ATI443S1	ATI443 + S + 1
Ex. ATI443A2	ATI443 + A + 2

**INSERT CHART**

Part Number	O.D.	I.D.	Material	
ATI444-37P	.960	.775	Phenolic	Used with ATI444A Series Microstop
ATI444-37N	.960	.775	Nylon	Used with ATI444A or ATI444N Series Microstop
ATI444-37NF	1.25	.775	Nylon	Used with ATI444A or ATI444H Series Microstop



**\*CONTACT YOUR LOCAL TERRITORY MANAGER FOR 'NON-STANDARD' MICROSTOP OPTIONS.**



**SAFETY PRECAUTION:** Read and follow all safety and operating instructions.  
**WARNING:** Face & eye protection must be worn while operating power tools, per ANSI B186.1

**MICROSTOP FOR FEMALE-THREADED COUNTERSINK CUTTERS**

Refer to AT1418 series cutters and AT1416 series pilots

**AT1442S1**

Uses 1/4"-28 threaded shaft which is split and tapered to lock replaceable pilot securely when cutter is tightened.



**MICROSTOP COUNTERSINK CAGES, SWIVEL SHAFT  
AT12351 SERIES**

The swivel shaft design enables you to countersink with up to a 5 degree off angle between the spindle and cutter axis. Designed for use on all standard materials as well as the latest composite materials in the most demanding applications. Ball and thrust bearings for continuous high speed use and .0005 adjustable depth control. Available with 1/4"-28 or metric threads; standard or flanged skirts, optional nylon inserts.

Part Number	Description
AT12351S1	Standard Skirt, 1/4"-28 Shaft
AT12351S4	Standard Skirt, M6 Shaft
AT12351N1	Standard Skirt, 1/4"-28 Shaft, Nylon Insert
AT12351N4	Standard Skirt, M6 Shaft, Nylon Insert
AT12351F1	Flanged Skirt, 1/4"-28 Shaft
AT12351F4	Flanged Skirt, M6 Shaft
AT12351H1	Flanged Skirt, 1/4"-28 Shaft, Nylon Insert
AT12351H4	Flanged Skirt, M6 Shaft, Nylon Insert



**MICROSTOP COUNTERSINK CAGES, STUBBY**

Designed for close quarter or tight access applications

**AT1448 SERIES**

- 3/32" Shaft Travel
- .001 Adjustable Depth Control

Part Number	Shaft	Max. Cutter Diameter
AT1448S1	1/4"-28	1/2"
AT1448S3	QC	1/2"



\*image shown is with quick-change shaft

**MICROSTOP COUNTERSINK CAGES, MIDGET**

Designed for close quarter or tight access applications

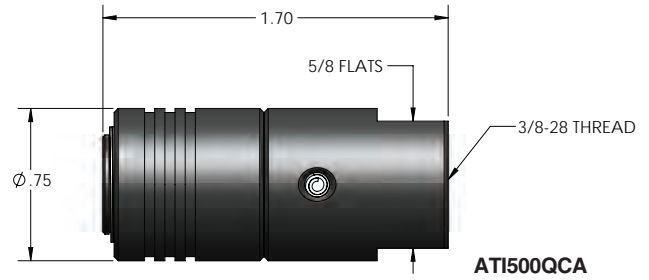
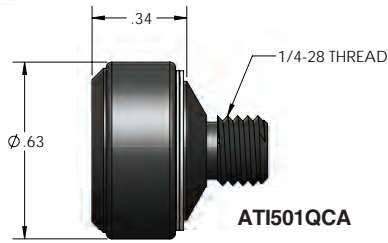
**AT1449 SERIES**

- 9/32" Shaft Travel
- .001 Adjustable Depth Control

Part Number	Shaft	Max. Cutter Diameter
AT1449S1	1/4"	1/2"
AT1449S3	QC	1/2"



\*image shown is with quick-change shaft

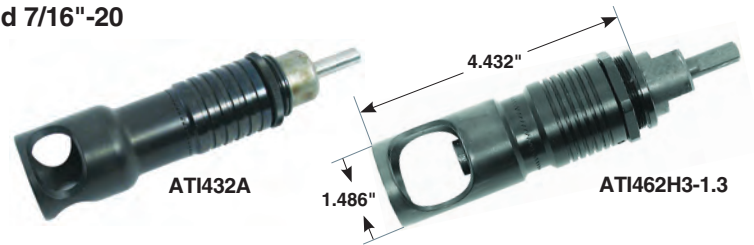


Part Number	Type	Description
ATI501QCA	STUBBY	Designed to fit any standard angle drill with 1/4"-28 threaded spindle
ATI500QCA	STANDARD	Designed to fit any standard drill motor with 3/8"-24 threaded chuck spindle

**JUMBO SIZE MICROSTOPS**

**FOR COUNTERSINK CUTTERS THREADED 3/8"-24 and 7/16"-20**  
(Refer to ATI445 and ATI455 series countersink cutters)

- For production environment countersinking of larger sized holes
- Fail-safe design accomplished with integrated shoulder on shaft
- All shafts feature wrenching flats to aid in removal of cutter after use
- 3/4" shaft travel
- Ball thrust bearing ensures depth repeatability



Part Number	Shaft Thread	Shaft Support	Adjustment Increment	Cutter Capacity	Shank	OAL
ATI432A	7/16"-20 Female	Bronze Bushing	.001	1-1/4"	3/8" Round	7"
ATI432B	3/8"-24 Female	Bronze Bushing	.001	1-1/4"	3/8" Round	7"
ATI462	3/8"-24 Female	Bronze Bushing	.003	7/8"	3/8" Round	5"
ATI462H3-1.3	3/8"-24 Female	Ball Bearing	.0005	1-1/4"	3 Chuck Flats	5"
ATI462H3-1.5	3/8"-24 Female	Ball Bearing	.0005	1-3/8"	3 Chuck Flats	5"
ATI462H7-1.3	7/16"-20 Female	Ball Bearing	.0005	1-1/4"	3 Chuck Flats	5"
ATI462H7-1.5	7/16"-20 Female	Ball Bearing	.0005	1-3/8"	3 Chuck Flats	5"

**ELLIPTICAL FASTENER COUNTERSINK CUTTER KIT**

**ATI2200CSK**

This kit provides countersinking capabilities for the installation of the NAS1734 or NAS1735 elliptical head blind nuts, for fasteners -3 (#10) thru -8 (1/2") hole preparation in accordance with NAS1736. Use with common hand-held drill motors.

Kit includes ATISK2260 and ATISK2266 microstops with stabilizing rockers and four cobalt cutters.

Qty	Part Number	Description
1	ATISK2260	Microstop with wobble skirt and arm assembly, 1/4"-28 threaded shank, 1/2" maximum cutter diameter for fasteners #10, 1/4", and 5/16".
1	ATISK2266	Jumbo Microstop with wobble skirt and arm assembly, 3/8"-24 threaded shank, 3/4" maximum cutter diameter for fasteners 3/8", 7/16", and 1/2".
1	ATISK2266B	Jumbo Microstop with wobble skirt and arm assembly, 3/8"-24 threaded shank, 1-1/4" maximum cutter diameter for fasteners 3/4", 7/8" and 1-1/4".
1	C15374-3	Elliptical nut countersink assembly, #10
1	C15374-4	Elliptical nut countersink assembly, 1/4"
1	C15374-5	Elliptical nut countersink assembly, 5/16"
1	C15374-6	Elliptical nut countersink assembly, 3/8"



Other elliptical nut countersink assemblies available upon special request.



**SAFETY PRECAUTION:** Read and follow all safety and operating instructions.  
**WARNING:** Face & eye protection must be worn while operating power tools, per ANSI B186.1

DRILL CHUCKS & KEYS



SP21019T



SP21019B



SP21133



SP21132



SP21002



SP21131



SP21137



SP67398



SP67397



74375



69005



69006

Chuck Capacity	Thread Size	Chuck Part No	Key Part No	Key Holder No
0 – 1/4"	3/8"-24	SP21019T	30202	
0 – 1/4"	3/8"-24	SP21019B	30000	
1/16" – 3/8"	3/8"-24	SP21133	30002	14273
5/64" – 1/2"	3/8"-24	SP21132	30429	
0 – 3/8"	1/2"-20	SP21002	30011	14273
1/16" – 3/8"	1/2"-20	SP21131	30002	
5/64" – 1/2"	1/2"-20	SP21137	30011	14273
0" – 1/2"	1/2"-20	SP74222	30429	
1/32" – 3/8" <sup>1</sup>	3/8"-24	SP67398		
1/16" – 1/2" <sup>1</sup>	1/2"-20	SP67397		
0 – 1/4" <sup>2</sup>	3/8"-24	74375		
0 – 3/8" <sup>2</sup>	3/8"-24	69005		
0 – 1/2" <sup>2</sup>	1/2"-20	69006		

<sup>1</sup>Keyless Chuck • Keyed chucks include key

<sup>2</sup>Precision Keyless Chuck

QUICK CHANGE CHUCK

Part No 2352

Adapts 3/8"-24 threaded spindles to 1/4" hex quick change



SEALANT REMOVAL CUTTERS



SR40



SR83

Sioux Part Number	Description
SR40	#3 (0.40") SR Cutter
SR83	#8 (0.83") SR Cutter

Sold in case of 40

SUPPORT HANDLES



2355B



77067A

Sioux Part Number	Description
2355B	For use on 3P series drills
77117A	For use on 4P, 5P series drills
77067A	6P, 10P series drills

COMFORT GRIPS

For use on SDR4P pistol grip drills



68340

For use on Signature series non-reversing drills



SDR6PNBOOT / SDR10PNBOOT

SIoux SWIVEL



1338-25



1338FC-25

Part Number	Description
1338-25	1/4" non-regulated air swivel connector with safety pin
1338-38	3/8" non-regulated air swivel connector with safety pin
1338-50	1/2" non-regulated air swivel connector with safety pin
1338FC-25	1/4" regulated air swivel connector with safety pin

Allows the air hose to rotate 360° on 2 axes.



**SAFETY PRECAUTION:** Read and follow all safety and operating instructions.

**WARNING:** Face & eye protection must be worn while operating power tools, per ANSI B186.1



# DRILL SPEED GUIDE

Material	Surface Ft/Min	Size of Hole to be Drilled							
		1/16 in 1.5 mm	1/8 in 3.0 mm	3/16 in 5.0	1/4 in 6.0 mm	5/16 in 8.0 mm	3/8 in 9.5 mm	7/16 in 11.0 mm	1/2 in 13.0 mm
		Recommended Cutting Speed Range (rpm)							
Steel Alloy, 300-400 Brinell	20-30	1250-1800	600-900	400-600	300-450	250-350	200-300	175-250	150-225
Stainless Steel, Cast Iron, Hard	30-40	1800-2500	900-1200	600-800	450-600	350-500	300-400	250-350	225-300
Steel Forgings	40-50	2500-3100	1200-1500	800-1000	600-750	500-600	400-500	350-425	300-400
Steel, Tool Annealed, .90-1.20 Carbon	50-60	3100-3700	1500-1800	100-1200	750-900	600-700	500-600	425-525	400-450
Steel, .40-.50 Carbon	70-80	4300-5000	2100-2500	1400-1600	1000-1200	850-1000	700-800	600-700	500-600
Cast Iron, Medium Hard	70-100	4300-6000	2100-3000	1400-2000	1000-1500	850-1200	700-1000	600-900	500-800
Bronze, High Tensile Strength	70-150	4300-9000	2100-4500	1400-3000	1000-2300	850-1200	700-1530	600-1300	500-1200
Malleable Iron	80-90	5000-5500	2500-2800	1600-1800	1200-1400	950-1100	800-900	700-800	600-700
Steel, Mild .20-.30 Carbon	80-110	5000-6700	2500-3400	1600-2300	1200-1700	950-1350	800-1150	700-1000	600-850
Cast Iron, Soft Plastic	100-150	6000-9000	3000-4500	2000-3000	1500-2300	1200-1800	1000-1530	900-1300	800-1200
Aluminum, Brass, Bronze	200-300	12,000-18,000	6000-9000	4000-6000	3000-4500	2400-3700	2000-3000	1700-2600	1500-2300
Magnesium	250-400	15,500-25,000	7500-12,000	5000-8200	3800-6100	3000-4900	2500-4000	2200-3500	1900-3000
Fiberglass, Wood	300-400	18,000-25,000	9000-12,000	6000-8200	4600-6100	3700-4900	3000-4000	2600-3500	2300-3000

Actual drilling or cutting RPM will be approximately 70% of rated spindle speed of tool. Surface Feet Per Minute = .26 x RPM x Drill Diameter in Inches.



**SAFETY PRECAUTION:** Read and follow all safety and operating instructions.  
**WARNING:** Face & eye protection must be worn while operating power tools, per ANSI B186.1

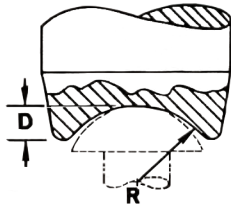
# RIVETING TOOLS & ACCESSORIES



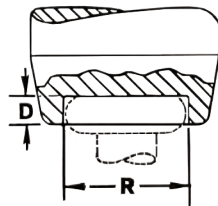
Rivet set cups are machined to a larger radius than the maximum rivet head radius and are shallower in cup depth than the minimum thickness:



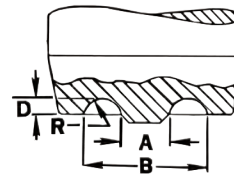
- (1) To allow for a slight upsetting of the head in forming the upset end.
- (2) To allow for a slight misalignment in holding the set on the rivet head without touching the riveted surface.



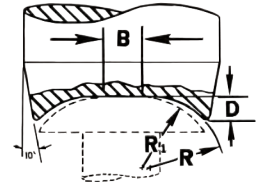
**AN 430**  
**AN 435**      **AN 456**  
**MS 20435**



**AN 442**




**AN 450**      **MS 20450**



**AN 470**      **MS 20470**

Rivet Number	Rivet Type	DIM	RIVET SIZE							
			1/16"	3/32"	1/8"	5/32"	3/16"	1/4"	5/16"	3/8"
AN430	ROUND HEAD	R	.075	.112	.161	.184	.222	.298	.369	.445
		D	.031	.049	.068	.086	.104	.139	.162	.195
AN435 MS20435	BUTTON HEAD	R	.061	.095	.128	.160	.192	.256	.321	.382
		D	.040	.063	.084	.105	.126	.168	.206	.243
AN442	FLAT HEAD	R	.141	.204	.267	.333	.399	.530	.661	.792
		D	.014	.022	.032	.042	.052	.072	.092	.110
AN456	MODIFIED BRAZIER HEAD	R	-	.142	.213	.284	.354	.415	.567	.709
		D	-	.018	.030	.047	.057	.069	.094	.116
AN470 MS20470 MS20613 MS20615	UNIVERSAL HEAD	B	.041	.056	.072	.088	.103	.135	.166	.200
		D	.019	.027	.040	.049	.057	.077	.100	.122
		R	.070	.098	.124	.152	.180	.233	.288	.345
		R <sub>1</sub>	.054	.082	.108	.135	.164	.217	.272	.328
AN450 MS20450	THOMPSON HEAD (TUBULAR)		<b>1/16"</b>	<b>3/32"</b>	<b>#40</b>	<b>1/8"</b>	<b>9/64"</b>	<b>3/16"</b>	<b>1/4"</b>	
		A	.033	.055	.069	.082	.094	.130	.170	
		B	.110	.158	.160	.205	.258	.294	.366	
		R	.019	.026	.023	.031	.041	.041	.049	
	D	.014	.021	.023	.031	.041	.041	.045		

## COMPARE THE DIFFERENCE



Protected with plastic coating to prevent damage during shipment and storage

1/32" Blend radius between cup and chamfer  
Cup configurations are in accordance with applicable rivet specifications

Part number stamped designating rivet size and type

Flush sets have a slight crown on the face

Precision machined and polished

Chromium Vanadium Alloy Steel










Chamfered corners

Available from stock in overall lengths of 2-1/2", 3-1/2", 5-1/2", 7-1/2" and 10-1/2", for rivet sizes 3/32", 1/8", 5/32", 3/16" and 1/4"

**CAUTION: Power tools can cause flying particles.**  
**WEAR SAFETY GOGGLES (users and bystanders).**  
**WEAR HEARING PROTECTION. Power tools generate noise.**

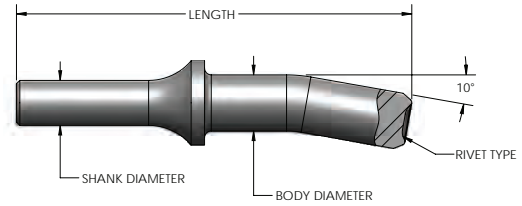
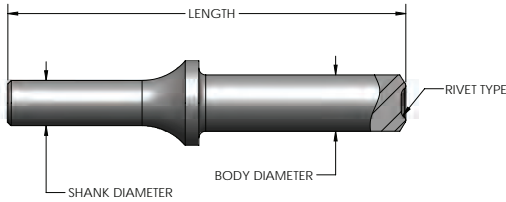
Beginning with a sound basic design, ATI rivet sets incorporate the ultimate in proper distribution of mass, with correct grain structure, made possible by the cold heading process. These factors along with correct heat-treating procedures eliminate breakage and provide for a structurally sound driven rivet.

Highly polished precision cups are held to exact tolerances, and shanks are CNC- machined and chamfered. Identifying symbols stamped on all sets show rivet size, type and tool number. The working surface of each unit is coated with clear plastic to prevent damage during shipment.

RIVET TYPE CHART								
								
<b>AN435 Button</b>	<b>AN430 Round</b>	<b>AN455 Brazier</b>	<b>AN456 Mod. Brazier</b>	<b>AN470 Universal</b>	<b>AN442 Flat</b>	<b>BACR 15FT Boeing Reduced Head</b>	<b>AN426 Countersunk</b>	<b>AN450 Semi-Tubular</b>

**STRAIGHT AND OFFSET RIVET SETS**

\*Special rivet sets may be ordered by providing rivet size, type, length, and shank diameter.



Rivet Size	Length	AN470 RIVET, .401 SHANK		
		Straight Drive Part Number	Offset Drive Part Number	Body Diameter
1/16"	3-1/2"	ATI100A31/16	ATI101A31/16	1/2"
3/32"	2-1/2"	ATI100A2-332	-	1/2"
	3-1/2"	ATI100A33/32	ATI101A33/32	1/2"
	5-1/2"	ATI100A53/32	ATI101A53/32	1/2"
	7-1/2"	ATI100A73/32	ATI101A73/32	1/2"
	10-1/2"	ATI100A8332	ATI101A8332	1/2"
	13-1/2"	ATI100A93/32	-	1/2"
1/8"	2-1/2"	ATI100A218	-	1/2"
	3-1/2"	ATI100A3-1/8	ATI101A3-1/8	1/2"
	5-1/2"	ATI100A51/8	ATI101A51/8	1/2"
	7-1/2"	ATI100A71/8	ATI101A71/8	1/2"
	10-1/2"	ATI100A818	ATI101A818	1/2"
5/32"	2-1/2"	ATI100A2532	-	1/2"
	3-1/2"	ATI100A35/32	ATI101A35/32	1/2"
	5-1/2"	ATI100A55/32	ATI101A5-532	1/2"
	7-1/2"	ATI100A75/32	ATI101A75/32	1/2"
	10-1/2"	ATI100A8532	ATI101A8532	1/2"
3/16"	2-1/2"	ATI100A2316	-	1/2"
	3-1/2"	ATI100A33/16	ATI101A3316	1/2"
	5-1/2"	ATI100A53/16	ATI101A53/16	1/2"
	7-1/2"	ATI100A73/16	ATI101A73/16	1/2"
	10-1/2"	ATI100A8316	ATI101A8316	1/2"
7/32"	2-1/2"	ATI100A2732	-	1/2"
	3-1/2"	ATI100A37/32	ATI101A3732	1/2"
	5-1/2"	ATI100A57/32	ATI101A57/32	1/2"
	7-1/2"	ATI100A77/32	ATI101A77/32	1/2"
	10-1/2"	ATI100A8732	-	1/2"
1/4"	2-1/2"	ATI100A214	-	5/8"
	3-1/2"	ATI100A3-1/4	ATI101A3-1/4	5/8"
	5-1/2"	ATI100A514	ATI101A514	5/8"
	7-1/2"	ATI100A7-1/4	ATI101A7-1/4	5/8"
	10-1/2"	ATI100A814	-	5/8"
FLUSH	2-1/2"	ATI100AF-2A	ATI101AF-2A	1/2"
	2-1/2"	ATI100AF-2B	ATI101AF-2B	5/8"
	3-1/2"	ATI100AF-3A	ATI101AF-3A	1/2"
	3-1/2"	ATI100AF-3B	ATI101AF-3B	5/8"
	5-1/2"	ATI100AF-5A	ATI101AF-5A	1/2"
	5-1/2"	ATI100AF-5B	ATI101AF-5B	5/8"
	7-1/2"	ATI100AF-7A	ATI101AF-7A	1/2"
	10-1/2"	ATI100AF8A	ATI101AF8A	1/2"
	13-1/2"	ATI100AF-9A	ATI101AF-9A	1/2"

Rivet Size	Length	AN470 RIVET, .498 SHANK	
		Straight Drive Part Number	Body Diameter
5/32"	3-1/2"	ATI100B35/32	5/8"
	5-1/2"	ATI100B55/32	5/8"
	7-1/2"	ATI100B75/32	5/8"
	10-1/2"	ATI100B8532	5/8"
	13-1/2"	ATI100B95/32	5/8"
	3/16"	3-1/2"	ATI100B33/16
5-1/2"		ATI100B53/16	5/8"
7-1/2"		ATI100B73/16	5/8"
10-1/2"		ATI100B8316	5/8"
7/32"	3-1/2"	ATI100B37/32	5/8"
	5-1/2"	ATI100B57/32	5/8"
	7-1/2"	ATI100B77/32	5/8"
	10-1/2"	ATI100B8732	5/8"
1/4"	3-1/2"	ATI100B3-1/4	5/8"
	5-1/2"	ATI100B514	5/8"
	7-1/2"	ATI100B7-1/4	5/8"
	10-1/2"	ATI100B814	5/8"
FLUSH	3-1/2"	ATI100BF-3B	5/8"
	5-1/2"	ATI100BF-5B	5/8"
	7-1/2"	ATI100BF-7B	5/8"

Rivet Size	Length	AN470 RIVET, .498 SHANK	
		Offset Drive Part Number	Body Diameter
1/4"	3-1/2"	ATI101B3-1/4	5/8"
	5-1/2"	ATI101B514	5/8"

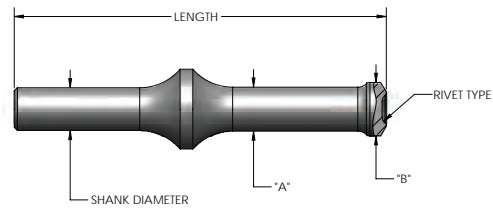
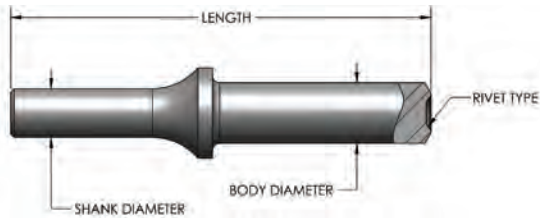
Rivet Size	Length	AN430 RIVET, .401 SHANK		AN435 RIVET, .401 SHANK		AN455 RIVET, .401 SHANK	
		Part Number	Body Dia.	Part Number	Body Dia.	Part Number	Body Dia.
3/32"	3-1/2"	ATI100A3332A	1/2"	ATI100A3332B	1/2"	ATI100A3332E	1/2"
1/8"		ATI100A31/8A	1/2"	ATI100A31/8B	1/2"	ATI100A31/8E	1/2"
5/32"		ATI100A3532A	1/2"	ATI100A3532B	1/2"	ATI100A3532E	1/2"
3/16"		ATI100A3316A	1/2"	ATI100A3316B	1/2"	ATI100A3316E	1/2"
1/4"		ATI100A31/4A	5/8"	ATI100A31/4B	5/8"		
	7-1/2"	ATI100A71/4A	5/8"				



**SAFETY PRECAUTION:** Read and follow all safety and operating instructions. **WARNING:** Face & eye protection must be worn while operating power tools, per ANSI B186.1

**STRAIGHT AND OFFSET RIVET SETS**

\*Special rivet sets may be ordered by providing rivet size, type, length, and shank diameter.



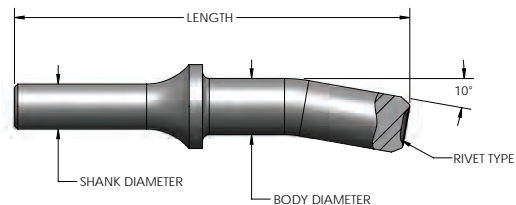
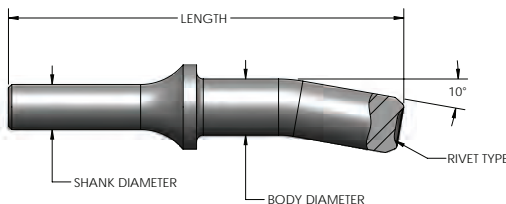
**STRAIGHT RIVET SETS FOR MODIFIED UNIVERSAL HEAD RIVETS, .401 SHANK**

**STRAIGHT RIVET SETS FOR MODIFIED UNIVERSAL HEAD RIVETS, .401 SHANK**

Manufactured from H13 material and magnetic particle tested

Rivet Size	Length	BACR15FT RIVET	
		Part Number	Body Diameter
3/32"	3-1/2"	ATI100A3332F	1/2"
	5-1/2"	ATI100A5332F	1/2"
1/8"	2-1/2"	ATI100A21/8F	1/2"
	3-1/2"	ATI100A31/8F	1/2"
	5-1/2"	ATI100A51/8F	1/2"
5/32"	2-1/2"	ATI100A2532F	1/2"
	3-1/2"	ATI100A3532F	1/2"
	5-1/2"	ATI100A5532F	1/2"
3/16"	2-1/2"	ATI100A2316F	1/2"
	3-1/2"	ATI100A3316F	1/2"
	5-1/2"	ATI100A5316F	1/2"
	7-1/2"	ATI100A7316F	1/2"
7/32"	2-1/2"	ATI100A2732F	1/2"
	3-1/2"	ATI100A3732F	1/2"
	5-1/2"	ATI100A5732F	1/2"
1/4"	2-1/2"	ATI100A21/4F	5/8"
	3-1/2"	ATI100A31/4F	5/8"
	5-1/2"	ATI100A51/4F	5/8"

Rivet Size	Part Number	BACR15FT RIVET		
		Dimension "A"	Dimension "B"	Length
1/8"	1112MBC4014	.280	.280	3.31"
	ST1112BC453	.281	.437	3.31"
5/32"	1112MBC4015	.310	.350	3.31"
	1112MBC401A5	.310	.310	3.31"
	ST1112BC553	.312	.500	3.31"
3/16"	1112MBC4016	.340	.410	3.31"
	1112MBC401A6	.340	.368	3.31"
	ST1112BC653	.344	.562	3.31"
	1112BC401637	.562	.562	2.31"
7/32"	ST1112MBC7	.380	.480	3.31"
	1112MBC401A7	.380	.406	3.31"
1/4"	1112MBC4018	.410	.540	3.31"
	1112MBC401A8	.410	.482	3.31"
	ST1112BC853	.406	.656	3.31"
	1112BC401837	.656	.656	2.31"
9/32"	1112MBC4019	.440	.610	3.31"



**OFFSET RIVET SETS FOR MODIFIED UNIVERSAL HEAD RIVETS, .401 SHANK**

**OFFSET RIVET SETS FOR MODIFIED UNIVERSAL HEAD RIVETS, .401 SHANK**

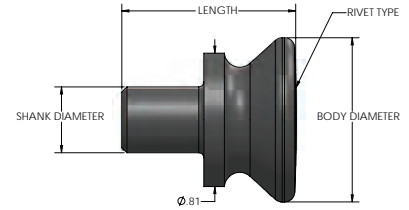
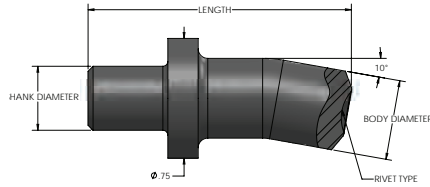
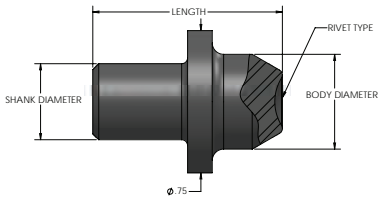
Manufactured from H13 material and magnetic particle tested

Rivet Size	Length	BACR15FT RIVET	
		Part Number	Body Diameter
1/8"	3-1/2"	ATI101A31/8F	1/2"
	5-1/2"	ATI101A518F	1/2"
5/32"	3-1/2"	ATI101A3532F	1/2"
	5-1/2"	ATI101A5532F	1/2"
3/16"	3-1/2"	ATI101A3316F	1/2"
	5-1/2"	ATI101A5316F	1/2"
7/32"	3-1/2"	ATI101A3732F	1/2"
	5-1/2"	ATI101A5732F	1/2"
1/4"	3-1/2"	ATI101A31/4F	5/8"
	5-1/2"	ATI101A514F	5/8"

Rivet Size	Length	Part Number	BACR15FT RIVET
			Body Diameter
1/8"	3-1/2"	1112MBR40143	.375
5/32"	3-1/2"	1112MBR40153	.410
	5-1/2"	1112MBR40155	.410
3/16"	3-1/2"	ST1112MBR63	.480
	5-1/2"	*ST1112MBR611	.560
7/32"	3-1/2"	1112MBR40173	.560
	5-1/2"	1112MBR40175	.560
1/4"	3-1/2"	1112MBR40183	.610

\*ST1112MBR611 has 20° offset

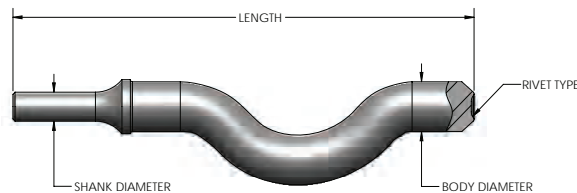


**JIFFY TYPE RIVET SETS , GOOSENECKS, AND DOUBLE OFFSETS**
*\*Special Jiffy sets may be ordered by providing rivet size, type, length, and shank diameter.*

**STRAIGHT JIFFY SETS**

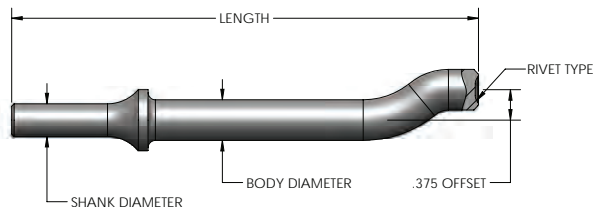
Part Number	Rivet Size	Rivet Type	Length	Body Diameter	Shank Diameter
JAT100AF-1A	FLUSH	FLUSH	1"	1/2"	.401
JAT119A-2B	FLUSH	FLUSH	2-1/8"	1" FACE	.401
JAT100A1332	3/32"	AN470	1"	1/2"	.401
JAT100A118	1/8"	AN470	1"	1/2"	.401
JAT100A1532	5/32"	AN470	1"	1/2"	.401
JAT100A1316	3/16"	AN470	1"	1/2"	.401

**OFFSET JIFFY SETS**

Part Number	Rivet Size	Rivet Type	Length	Body Diameter	Shank Diameter
JAT101A1332	3/32"	AN470	1-5/8"	1/2"	.401
JAT101A118	1/8"	AN470	1-5/8"	1/2"	.401
JAT101A1532	5/32"	AN470	1-5/8"	1/2"	.401
JAT101A1316	3/16"	AN470	1-5/8"	1/2"	.401


**GOOSENECK RIVET SETS**

Part Number	Rivet Size	Rivet Type	Length	Body Diameter	Shank Diameter
ATI104AF	FLUSH	FLUSH	6-5/8"	.69	.401
ATI104A-1/16	1/16"	AN470	6-5/8"	.69	.401
ATI104A-3/32	3/32"	AN470	6-5/8"	.69	.401
ATI104A-1/8	1/8"	AN470	6-5/8"	.69	.401
ATI104A-5/32	5/32"	AN470	6-5/8"	.69	.401
ATI104A-3/16	3/16"	AN470	6-5/8"	.69	.401
ATI104A-7/32	7/32"	AN470	6-5/8"	.69	.401
ATI104A-1/4	1/4"	AN470	6-5/8"	.69	.401


**DOUBLE OFFSET RIVET SETS**

Part Number	Rivet Size	Rivet Type	Length	Body Diameter	Shank Diameter
ATI105AF	FLUSH	FLUSH	5-3/4"	1/2"	.401
ATI105A-1/16	1/16"	AN470	5-3/4"	1/2"	.401
ATI105A-3/32	3/32"	AN470	5-3/4"	1/2"	.401
ATI105A-1/8	1/8"	AN470	5-3/4"	1/2"	.401
ATI105A-5/32	5/32"	AN470	5-3/4"	1/2"	.401
ATI105A-3/16	3/16"	AN470	5-3/4"	1/2"	.401
ATI105A-7/32	7/32"	AN470	5-3/4"	1/2"	.401
ATI105A-1/4	1/4"	AN470	5-3/4"	1/2"	.401
ATI105A-9/32	9/32"	AN470	5-3/4"	1/2"	.401


**SAFETY PRECAUTION:** Read and follow all safety and operating instructions.  
**WARNING:** Face & eye protection must be worn while operating power tools, per ANSI B186.1

FLUSH RIVET SETS

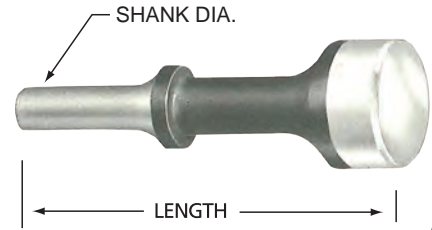


AT1106A

FLUSH RIVET SET, SWIVEL-TYPE

Performs high-speed flush riveting on flat or curved surfaces and is designed for ease of handling, with a swivel action to produce quick alignment. The highly polished rivet set head is enclosed in a rubber sleeve.

Part Number	Face Diameter	Length	Shank Diameter
AT1106A	1-1/4"	3-1/2"	.401
AT1106B	1-1/4"	3-1/2"	.498

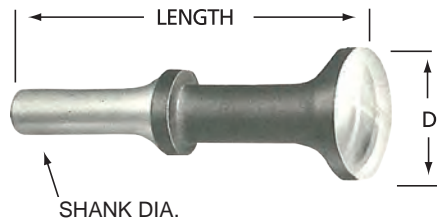


AT1107A-2D

PEENING TOOL WITH ALUMINUM, BRASS, OR NYLON INSERT

This peening tool is designed for the straightening of aluminum sheet after forming.

Part Number	Head Material	Face Diameter	Length	Shank Diameter
AT1107A-2D	Aluminum	1"	3-1/8"	.401
AT1107A2DB	Brass	1"	3-1/8"	.401
AT1107A2DN	Nylon	1"	3-1/8"	.401
AT1107B-2D	Aluminum	1"	3-1/8"	.498

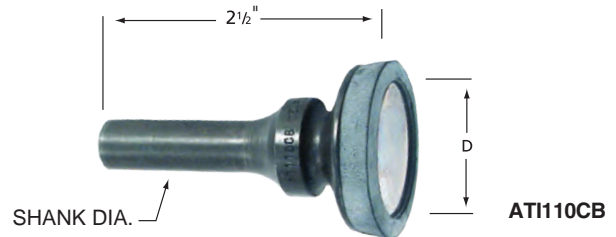


AT1107A-1

FLUSH RIVET SET

Large radii at critical points enable this rivet set to withstand continuous rugged use. Where a smooth skin surface is essential, this rivet set, with its slightly crowned and highly polished face, will perform rapid flush riveting.

Part Number	Face Diameter	Length	Shank Diameter
AT1107A-1	1"	2-3/4"	.401
AT1107A-2	1-1/4"	2-3/4"	.401
AT1107A-3	1-1/4"	3-1/2"	.401
AT1107A-4	1"	5-1/2"	.401
AT1107A-6	1"	7-1/2"	.401
AT1107A-7	1-1/4"	7-1/2"	.401
AT1107B-1	1"	3"	.498
AT1107B-2	1-1/4"	3"	.498
AT1107B3	1-1/4"	3-1/2"	.498
AT1107B-4	1"	5-1/2"	.498
AT1107B-5	1-1/4"	5-1/2"	.498
AT1107B-6	1"	7-1/2"	.498
AT1107B-7	1-1/4"	7-1/2"	.498

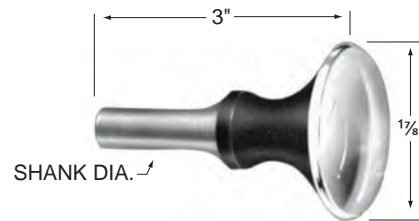


AT1110CB

FLUSH RIVET SET WITH RUBBER GUARD

A rubber guard added to this flush rivet set helps prevent slippage and damage to skin surface.

Part Number	Face Diameter	Length	Shank Diameter
AT1110CA	3/4"	2-1/2"	.401
AT1110CB	1"	2-1/2"	.401
AT1110CC	1-1/4"	2-1/2"	.401



AT1112A

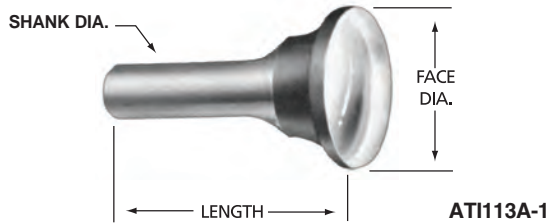
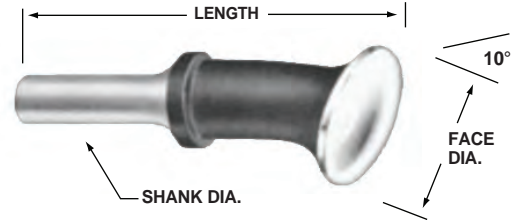
FLUSH RIVET SET, MUSHROOM TYPE

This convex crowned, flush rivet set is particularly adapted to riveting thin sections without danger of denting or dishing skin surface.

Part Number	Face Diameter	Length	Shank Diameter
AT1112A	1-7/8"	3"	.401
AT1112B	1-7/8"	3"	.498



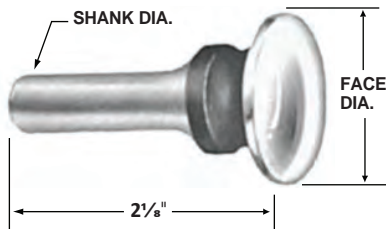



**AT1113A-1**

**AT1121A-3**
**FLUSH RIVET SET, EXTRA SHORT**

The unique design of this extra-short flush set enables it to withstand extremely rugged use. A mirror-polished, crown-working surface prevents damage to the skin.

Part Number	Face Diameter	Length	Shank Diameter
AT1113A-1	3/4"	1-11/16"	.401
AT1113A-2	1"	1-13/16"	.401
AT1113A-3	1-1/4"	1-13/16"	.401
*AT1113A2SPCR	1"	1-13/16"	.401

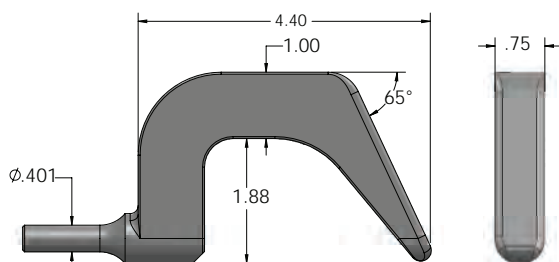
\*Increased crown height


**FLUSH RIVET SET, STUBBY TYPE**

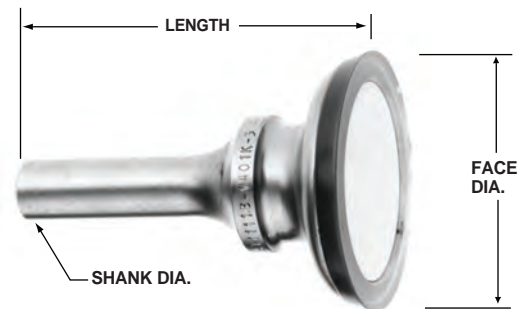
Part Number	Face Diameter	Length	Shank Diameter
AT1119A-1B	3/4"	2-1/8"	.401
AT1119A-2B	1"	2-1/8"	.401
AT1119A-3B	1-1/8"	2-1/8"	.401
AT1119A4B	1-1/4"	2-1/8"	.401
AT1119B-1B	3/4"	2-1/8"	.498
AT1119B-2B	1"	2-1/8"	.498
AT1119B-3B	1-1/8"	2-1/8"	.498
AT1119B-4B	1-1/4"	2-1/8"	.498

**FLUSH SET FOR LIMITED ACCESS**
**ST1111BP401K**

Heat-treated and polished to a mirror finish. The perfect tool for those hard-to-reach riveting applications.


**FLUSH RIVET SET, OFFSET**

Part Number	Face Diameter	Length	Shank Diameter
AT1121A-3	1-1/4"	3-1/2"	.401
AT1121A-4	1"	5-1/2"	.401
AT1121A-5	1-1/4"	5-1/2"	.401
AT1121A-6	1"	7-1/2"	.401
AT1121A-7	1-1/4"	7-1/2"	.401
AT1121B-3	1-1/4"	3-1/2"	.498
AT1121B-4	1"	5-1/2"	.498
AT1121B-5	1-1/4"	5-1/2"	.498
AT1121B-6	1"	7-1/2"	.498
AT1121B-7	1-1/4"	7-1/2"	.498

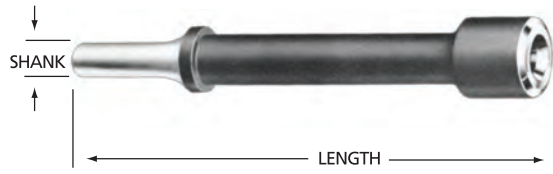

**ATIST1111BK2**
**FLUSH RIVET SET, POLYURETHANE RIM**

Manufactured from H-13 material tool steel, this flush set is magnetic particle tested after heat treat, and shot-peened for stress relief prior to polish. The machine crown and polyurethane rim make this a preferred set ideal for skin work.

Part Number	Replacement Rim Part Number	Face Diameter	Length	Shank Diameter
ATIST-1111BK1	ST1111BVR1	3/4"	2-1/2"	.401
ATIST-1111BK2	ST1111BVR2	1"	2-1/2"	.401
ATIST-1111BK3	ST1111BVR3	1-1/4"	2-1/2"	.401
ST-1111BV48E1	ST1111BVR1	3/4"	2-1/2"	.498
ST-1111BV48E2	ST1111BVR2	1"	2-1/2"	.498
ST-1111BV48E3	ST1111BVR3	1-1/4"	2-1/2"	.498



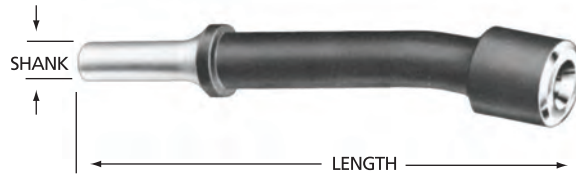
**SAFETY PRECAUTION:** Read and follow all safety and operating instructions.  
**WARNING:** Face & eye protection must be worn while operating power tools, per ANSI B186.1



**STRAIGHT DRIVE SETS FOR HUCK® LOCKBOLTS**

Developed to drive Huck® lockbolt collars. The ATI118M Series tools are precision machined with close tolerance cavities.

Part Number	Lockbolt Size	Length	Shank Diameter
ATI118M3-L5	5/32"	3-1/2"	.401
ATI118M3-L6	3/16"	3-1/2"	.401
ATI118M3L8	1/4"	3-1/2"	.498
ATI118M-5-L5	5/32"	5-1/2"	.401



**OFFSET DRIVE SETS FOR HUCK® LOCKBOLTS**

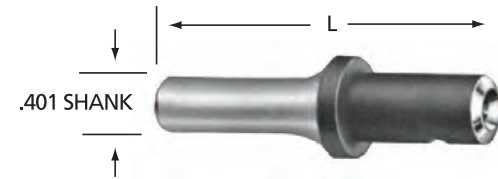
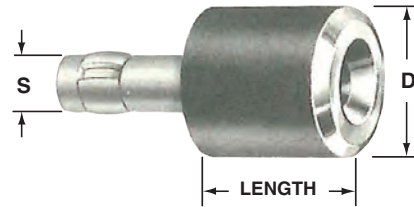
Developed to drive Huck® lockbolt collars. The ATI118D Series tools are precision machined with close tolerance cavities and 10° offset.

Part Number	Lockbolt Size	Length	Shank Diameter
ATI118D3-L4	1/8"	3-1/2"	.401
ATI118D3-L5	5/32"	3-1/2"	.401
ATI118D3-L6	3/16"	3-1/2"	.498
ATI118D3L8	1/4"	3-1/2"	.401

**SQUEEZER SET FOR HUCK® LOCKBOLTS**

Held to an extremely close tolerance, with a mirror polished cavity, this squeezer set is ideal for fast, accurate swaging of Huck® lockbolt collars.

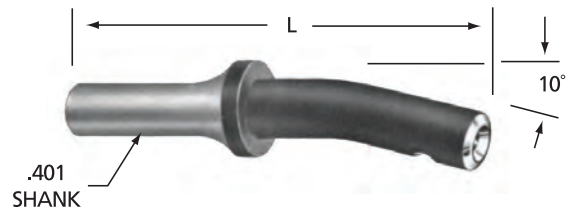
Part Number	Lockbolt Size	Length	"D"	Shank Diameter
ATI118AL5	5/32"	1/2"	1/2"	.187
ATI118AL6	3/16"	5/8"	9/16"	.187
ATI118AL8	1/4"	1"	5/8"	.187



**STRAIGHT DRIVE SETS FOR HI-SHEAR® RIVETS, .401 SHANK**

Engineered to drive Hi-Shear® rivet collars in open areas.

Rivet Size	Length	Part Number	Body Diameter
1/8"	3-1/2"	ATI130A318	1/2"
	5-1/2"	ATI130A518	1/2"
	7-1/2"	ATI130A718	1/2"
5/32"	3-1/2"	ATI130A3532	1/2"
	5-1/2"	ATI130A5532	1/2"
	7-1/2"	ATI130A7532	1/2"
3/16"	3-1/2"	ATI130A3316	1/2"
	5-1/2"	ATI130A5316	1/2"
	7-1/2"	ATI130A7316	1/2"
1/4"	3-1/2"	ATI130A3-1/4	5/8"
	5-1/2"	ATI130A51/4	5/8"



**OFFSET DRIVE SETS FOR HI-SHEAR® RIVETS, .401 SHANK**

Engineered to drive Hi-Shear® rivet collars in open areas and when offset riveting is required.

Rivet Size	Length	Part Number	Body Diameter
1/8"	3-1/2"	ATI131A318	1/2"
	5-1/2"	ATI131A518	1/2"
	7-1/2"	ATI131A718	1/2"
5/32"	3-1/2"	ATI131A3532	1/2"
	5-1/2"	ATI131A5532	1/2"
	7-1/2"	ATI131A7532	1/2"
3/16"	3-1/2"	ATI131A3316	1/2"
	5-1/2"	ATI131A5316	1/2"
	7-1/2"	ATI131A7316	1/2"
1/4"	3-1/2"	ATI131A314	5/8"
	5-1/2"	ATI131A514	5/8"

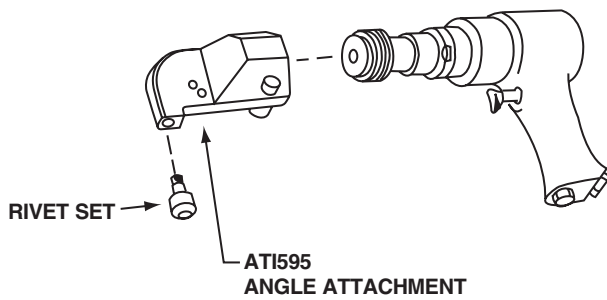
**GUN TYPE CHISEL FOR HUCK® LOCKBOLTS**

Part Number	Lockbolt Size	Length	Shank Diameter
ATI2165-2	5/32"	5-1/2"	.401
ATI2165-3	3/16"	5-1/2"	.401
ATI2165-4	1/4"	5-1/2"	.401
ATI2165-5	5/16"	5-1/2"	.401
ATI2165-6	3/8"	5-1/2"	.401



ATI2165-2

**90° RIVET HAMMER ANGLE ATTACHMENT**



**90° RIVET HAMMER ANGLE ATTACHMENT  
ATI595 SERIES**

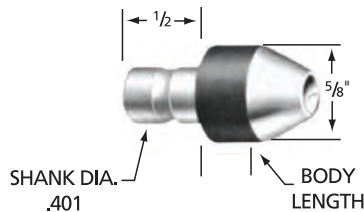
A production aid for driving rivets in extremely hard-to-reach places. This 90° tool is a small, compact rivet gun attachment weighing only 16 oz. complete. It has 5/32" rivet capacity and uses ATI standard ATI1757 and ATI1758 Series rivet sets. Using the standard short set, this tool will reach into an opening 2-1/2" high.



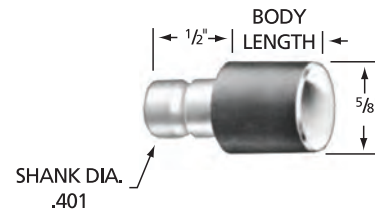
ATI595CK

Part Number	Shank Diameter	Thread Pitch (TPI)	For Use With:
ATI595B	.401	7	Ingersoll-Rand, Jiffy, Sioux
ATI595C	.401	8	ATI, Cleco, Chicago Pneumatic
ATI595BK	Angle attachment set includes ATI595B and 4 rivet sets in <b>blue</b> below		
ATI595CK	Angle attachment set includes ATI595C and 4 rivet sets in <b>blue</b> below		

**RIVET SETS, CUPPED-TYPE  
ATI1757 SERIES**



**RIVET SETS, FLUSH-TYPE  
ATI1758 SERIES**



Part Number	Rivet Size	Rivet Type	Body Length	Shank Diameter
ATI1757AP332	3/32"	AN470	1/4"	.401
ATI1757AP1/8	1/8"	AN470	1/4"	.401
ATI1757AP532	5/32"	AN470	1/4"	.401
ATI1757AP316	3/16"	AN470	1/4"	.401
ATI1758AP	FLUSH	FLUSH	1/4"	.401
ATI1758AR	FLUSH	FLUSH	3/8"	.401
ATI1758AS	FLUSH	FLUSH	1/2"	.401

Included in ATI595BK and ATI595CK Sets



**SAFETY PRECAUTION:** Read and follow all safety and operating instructions.  
**WARNING:** Face & eye protection must be worn while operating power tools, per ANSI B186.1

SIOUX HAMMERS



Performance:

Rivet Capacity: 5/32" (4.0 mm) – 1/4" (6.4 mm)  
 Stroke: 2" (50 mm) – 4" (100 mm)  
 Bore: 9/16" (14.3 mm)

Features:

Pistol Grip  
 Teasing Throttle Trigger Start  
 Accepts .401 Parker Taper Rivet Sets and Chisels



270A



270A-4

Hammers

Model Number	Steel Rivet Capacity		Stroke Length		Bore Diameter		Blows per Minute	Weight		Length		Side To Center		Air Consumption	
	in	mm	in	mm	in	mm		lb	kg	in	mm	in	mm	scfm	l/s
270A-2	5/32	4.0	2.0	50	9/16	14.3	2500	3.0	1.4	5.8	147	1.1	28	8	4
270A	3/16	4.8	3.0	75	9/16	14.3	2000	3.2	1.5	6.8	173	1.1	28	8	4
270A-4	1/4	6.4	4.0	100	9/16	14.3	1700	3.5	1.6	7.8	198	1.1	28	8	4

General: Air Inlet Size: 1/4" NPT • Recommended Hose Size: 3/8" (10 mm) • Performance rated @ 90 psig (6.2 bar) air pressure

Standard Equipment: Parts List • Safety and Instruction Manual • Beehive Retainer

RIVET HAMMERS

RIVET HAMMERS

- Aluminum offset pistol grip
- Teasing trigger for precise control
- Includes air flow valve, beehive spring, and quick-release retainer spring

Part Number	Aluminum Rivet Capacity	Steel Rivet Capacity	BPM	Length	Weight	Shank Diameter
ATIUC-2X	5/32"	3/32"	2580	6-1/2"	2.25 lbs.	.401
ATIATC3X	3/16"	5/32"	2160	7-1/4"	2.25 lbs.	.401
ATIATC4X	1/4"	3/16"	1740	8-1/4"	2.75 lbs.	.401



ATIATC3X



ATIATC4X

RETAINER SPRINGS

ATI114C-3 QUICK RELEASE

- Fast thumb release to quickly change rivet sets
- Works with any 3x or 4x rivet hammer
- Accommodates 1/2" or 9/16" body diameter rivet sets



ATI115 BEEHIVE TYPE

Fixed type retainer spring for maximum safety.

ATI115A	For 1/2" body diameter rivet sets
ATI115B	For 5/8" body diameter rivet sets



BEEHIVE SPRING RETAINERS

Part Number	Description
2207	Chisel Retainer Spring (Use with all except those listed below)
2208	Must use 2208 with 2201B, 2205, 2216, 2217B, and 2219, 2220, 2239, 2244, 2245, 2246, 2247



2207



2208



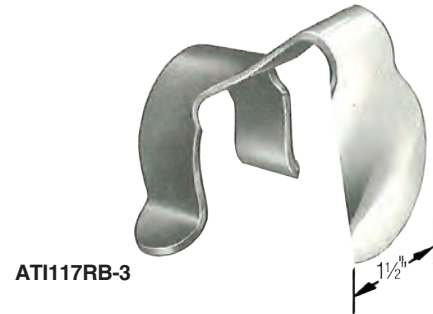
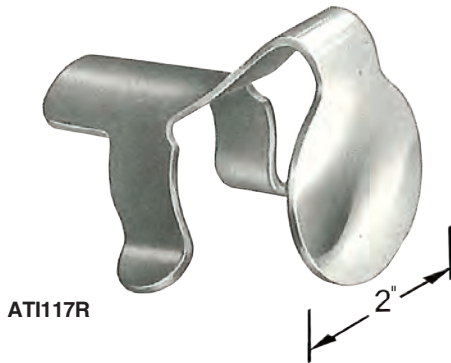
SAFETY PRECAUTION: Read and follow all safety and operating instructions.

WARNING: Face & eye protection must be worn while operating power tools, per ANSI B186.1

**NO-MAR FLUSH RIVET SET SHIELDS**

The two types of rivet shields illustrated have been designed to provide additional skin protection when flush riveting. Both units are manufactured with heat-treated and polished faces.

Part Number	Shield Diameter
ATI117R	2"
ATI117RB-3	2" with 1/2" cut-away relief



**RIVET SET EXTENSION ADAPTER**

.401 Shank; .401 Recess

Part Number	OAL
ATI124A-6	8"
ATI124A-12	12"



**SHANK ADAPTERS**



This sleeve nests in the barrel of the rivet hammer, easily converting .498 bore diameter to .401.



Converts .401 shank rivet sets to .498. Use 5X, 9X, and 7X guns with .401 tools.

**GRIP GAUGES**

**ATI269C3 & ATI2612**

Simple, self-explanatory gauges determine material thickness and proper rivet grip length.



## RIVETING TOOLS AND ACCESSORIES

### SHEET-METAL TOOL KITS AND RIVET CUTTERS



These kits provide the essentials for straight and offset riveting. Ideal for structural and sheet-metal technicians, home builders, and students. Plastic zipped carrying case for tool control and FOD prevention.

<b>ATI590RGK3X</b>	<b>WITH ATIATC3X RIVET GUN</b>
<b>ATI590RGK-4X</b>	<b>WITH ATIATC4X RIVET GUN</b>

Kit includes:

1	RIVET HAMMER	1	ATI101AF-3A
1	ATI100A33/32	1	ATI107A-2
1	ATI100A3-1/8	1	ATI110CB
1	ATI100A35/32	1	ATI114C-3
1	ATI100A33/16	1	ATI638
1	ATI101A33/32	1	ATI647
1	ATI100A3-1/8	1	ATI670
1	ATI101A35/32	1	ATI681
1	ATI101A3316	1	A-1142 (oil)



**ATI590RGK-4X**  
Clear zipper case included

<b>ATI590SMKSP1</b>	<b>WITH SIOUX 270 RIVET GUN</b>
<b>ATI590SMKSP6</b>	<b>WITH ATIATC4X RIVET GUN</b>

- Four straight AN470 universal rivet sets (3/32", 1/8", 5/32", 3/16")
- One flush rivet set
- Four integral pilot countersinks (#10, #21, #30, #40) pilot sizes
- Microstop-ball bearing
- Hand rivet cutter
- Rivet hammer (see chart)
- Four spring tension u-clamps
- 12 Each (3/32", 1/8", 5/32", 3/16") temporary fasteners
- Sioux SDR4P26N2 drill
- Jobber drills- 3/32", 1/8", 5/32", 3/16", #40, #30, #21, #10
- Drill stops- #10, #21, #30, #40
- Sheet holder pliers
- Bucking Bar
- Retainer spring-quick release



**ATI590SMKSP1**



#### ATI501R

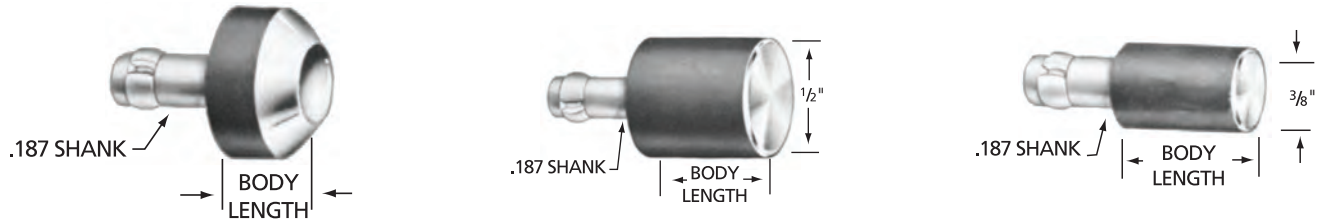
This rivet cutter is designed to quickly and easily shear aluminum rivets. It is adjustable for 1/4" to 3/4" long rivets in 1/16" increments, for rivet sizes 3/32", 1/8", 5/32", 3/16", 7/32", and 1/4".



#### ATI501S

This rivet cutter, with 13" tubular handles for additional leverage, was developed for the U.S. Government.



**RIVET SQUEEZER SETS FOR AN470 CUPPED AND AN426 FLUSH RIVETS**


Rivet Size	Rivet Type	Body Diameter	Shank Diameter	1/8" BODY LENGTH	1/4" BODY LENGTH	3/8" BODY LENGTH	1/2" BODY LENGTH	5/8" BODY LENGTH	3/4" BODY LENGTH
3/32"	AN470	3/8"	.187	ATI108AN3/32	ATI108AP3/32	ATI108AR3/32	ATI108AS3/32	ATI108AT3/32	ATI108AW3/32
1/8"	AN470	3/8"	.187	ATI108AN1/8	ATI108AP1/8	ATI108AR1/8	ATI108AS1/8	ATI108AT1/8	ATI108AW1/8
5/32"	AN470	1/2"	.187	ATI108AN5/32	ATI108AP5/32	ATI108AR5/32	ATI108AS5/32	ATI108AT5/32	ATI108AW5/32
3/16"	AN470	1/2"	.187	ATI108AN3/16	ATI108AP3/16	ATI108AR3/16	ATI108AS3/16	ATI108AT3/16	ATI108AW3/16
1/4"	AN470	5/8"	.187	ATI108AN1/4	ATI108AP1/4	ATI108AR1/4	ATI108AS1/4	ATI108AT1/4	ATI108AW1/4
3/32"	AN470	3/8"	.250	ATI108BN3/32	ATI108BP3/32	ATI108BR3/32	ATI108BS3/32	ATI108BT3/32	ATI108BW3/32
1/8"	AN470	3/8"	.250	ATI108BN1/8	ATI108BP1/8	ATI108BR1/8	ATI108BS1/8	ATI108BT1/8	ATI108BW1/8
5/32"	AN470	1/2"	.250	ATI108BN5/32	ATI108BP5/32	ATI108BR5/32	ATI108BS5/32	ATI108BT5/32	ATI108BW5/32
3/16"	AN470	1/2"	.250	ATI108BN3/16	ATI108BP3/16	ATI108BR3/16	ATI108BS3/16	ATI108BT3/16	ATI108BW3/16
1/4"	AN470	5/8"	.250	X	ATI108BP1/4	ATI108BR1/4	ATI108BS1/4	ATI108BT1/4	X
FLUSH	FLUSH	1/2"	.187	ATI109AN	ATI109AP	ATI109AR	ATI109AS	ATI109AT	ATI109AW
FLUSH	FLUSH	3/8"	.187	ATI109EN	ATI109EP	ATI109ER	ATI109ES	ATI109ET	ATI109EW
FLUSH	FLUSH	1/2"	.250	ATI109BN	ATI109BP	ATI109BR	ATI109BS	ATI109BT	ATI109BW

Included in 33 Piece Kit

Included in 16 Piece Kit

**RIVET SQUEEZER SETS FOR MODIFIED UNIVERSAL HEAD RIVETS, BACR15FT**

Rivet Size	Rivet Type	Body Diameter	Shank Diameter	1/8" BODY LENGTH	1/4" BODY LENGTH	3/8" BODY LENGTH	1/2" BODY LENGTH	5/8" BODY LENGTH	3/4" BODY LENGTH
5/32"	BACR15FT	1/2"	.187	ATI108AN532F	ATI108AP532F	ATI108AR532F	ATI108AS532F	ATI108AT532F	ATI108AW532F
3/16"	BACR15FT	1/2"	.187	ATI108AN316F	ATI108AP316F	ATI108AR316F	ATI108AS316F	ATI108AT316F	ATI108AW316F
1/4"	BACR15FT	5/8"	.187	ATI108AN1/4F	ATI108AP1/4F	ATI108AR1/4F	ATI108AS1/4F	ATI108AT1/4F	X

**RIVET SQUEEZER KITS**
**ATI108A33PC**

- 33 Piece set for installing universal (AN470) and flush (AN426) rivets
- 3/16" Diameter shank with lock ring
- Universal (AN470) cup sizes 3/32", 1/8", 5/32", 3/16" and 1/4"
- Body lengths of 1/8", 1/4", 3/8", 1/2" and 5/8"
- Suitable for either hand or pneumatic squeezers
- See chart above for squeezer sets included

**ATI108A-16PC**

- 16 Piece set for installing universal (AN470) and flush (AN426) rivets
- 3/16" Diameter shank with lock ring
- Universal (AN470) cup sizes 3/32", 1/8", 5/32", 3/16" and 1/4"
- Body lengths of 1/8", 1/4", 3/8", 1/2" and 5/8"
- Suitable for either hand or pneumatic squeezers
- See chart above for squeezer sets included



ATI108A33PC



**SAFETY PRECAUTION:** Read and follow all safety and operating instructions.  
**WARNING:** Face & eye protection must be worn while operating power tools, per ANSI B186.1

## RIVETING TOOLS AND ACCESSORIES



### HAND RIVET SQUEEZERS

#### ATI501A - ALLIGATOR-TYPE HAND RIVET SQUEEZER

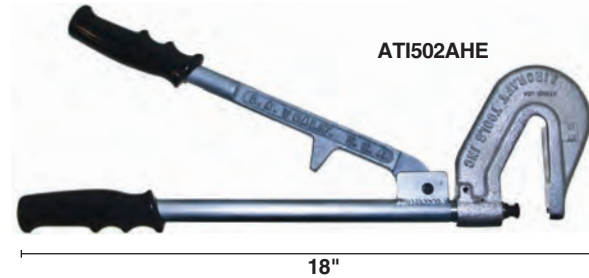
- 3/32" - 5/32" rivet capacity
- 2 -1/2" reach
- 1-1/8" gap
- 18" handles for ample leverage
- Accepts 3/16" diameter shank rivet squeezer sets and cold dimple dies



ATI501A

#### C-TYPE SWIVEL YOKE HAND RIVET SQUEEZERS

- 3/32" - 5/32" rivet capacity
- 3/8" stroke
- 5/8" ram adjustment to eliminate shims
- 360 degree swivel yoke can be locked in any position
- Accepts 3/16" diameter shank rivet squeezer sets and cold dimple dies



ATI502AHE

18"

Part Number	Reach	Closed Gap
ATI502AHD	1-1/2"	1-5/8"
ATI502AHE	3"	1-1/2"
ATI502D	1-1/2"	YOKE ONLY
ATI502E	3"	YOKE ONLY

### 360° SWIVEL YOKE ATTACHMENTS

The ATI502 Swivel Yokes are furnished with attachment plates to fit the CP214 or equivalent air motor. This unit has a built-in ram adjustment which eliminates the need for washers to adjust the length of the squeezer and will automatically lock in the required position. The yoke can also be locked in any position in the full 360° swing. Uses standard squeezer sets with 3/16" shank diameter.



\*Does not include power unit

Part Number	Yoke Depth
ATI502YA	1-1/2"
ATI502YB	3"

### PNEUMATIC RIVET SQUEEZERS

#### PNEUMATIC RIVET SQUEEZER, ALLIGATOR AND C-TYPE

Use 3/16" shank squeezer sets, refer to ATI108 & ATI109 Series

Part Number	Yoke Style	Cylinder Type	Yoke Reach	Force	Aluminum Rivet Capacity	Steel Rivet Capacity	Overall Length	Weight With Jaws
ATI114A	ALLIGATOR	SINGLE	1-1/2"	3000 lbs	1/8"	3/32"	9-1/4"	4 lbs.
ATI114A214	ALLIGATOR	SINGLE	2-1/4"	2200 lbs	3/32"	3/32"	10-1/8"	4-1/2 lbs.
ATI114A-3	ALLIGATOR	SINGLE	3"	1800 lbs	3/32"	1/16"	10-7/8"	5 lbs.
ATI114TA	ALLIGATOR	TANDEM	1-1/2"	6000 lbs	3/16"	5/32"	12"	5-1/2 lbs.
ATI114TA214	ALLIGATOR	TANDEM	2-1/4"	4300 lbs	3/16"	1/8"	13"	6 lbs.
ATI114TA-3	ALLIGATOR	TANDEM	3"	3400 lbs	5/32"	3/32"	14"	6-1/4 lbs.



ATI114A

Part Number	Yoke Style	Cylinder Type	Yoke Reach	Force	Aluminum Rivet Capacity	Steel Rivet Capacity	Overall Length	Weight With Jaws
ATI114C	C-TYPE	SINGLE	1-1/2"	3000 lbs	1/8"	3/32"	10-5/16"	4-1/2 lbs.
ATI114TC	C-TYPE	TANDEM	1-1/2"	6000 lbs	3/16"	5/32"	14"	5-1/2 lbs.

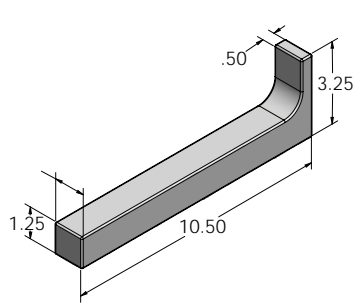


ATI114C

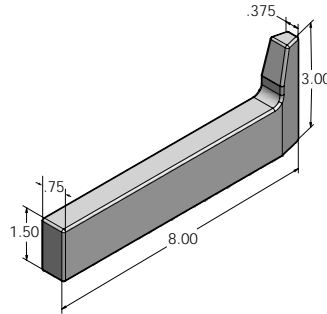




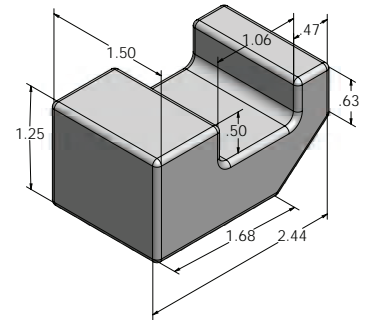
- High density tungsten absorbs bucking impact
  - Reduces vibration and minimizes bucking bar movement when riveting
  - Sharp edges are radiused up to 1/16" to prevent skin damage
  - Smaller configured design provides enhanced bucking in tight areas
- Custom designed tungsten bars may be available upon special request.



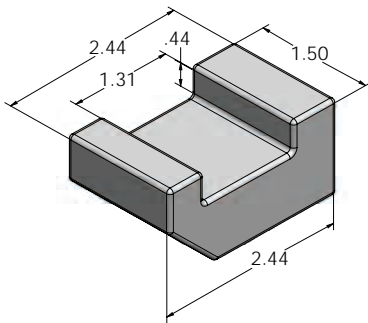
ATI613T  
9.0 LBS



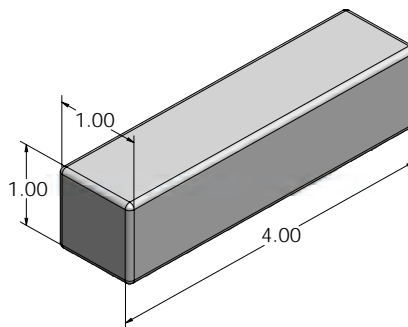
ATI614T  
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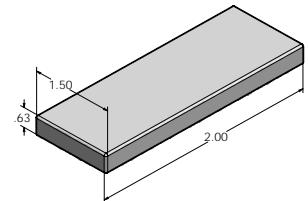
ATI634T  
1.6 LBS



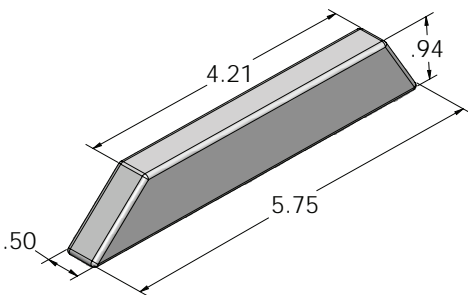
ATI634TX  
1.4 LBS



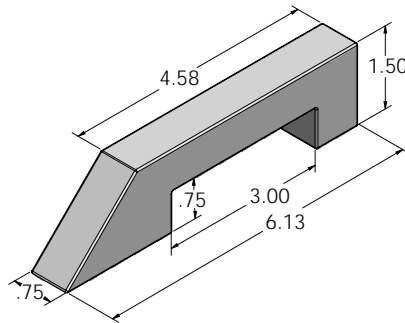
ATI729-3T  
1.55 LBS



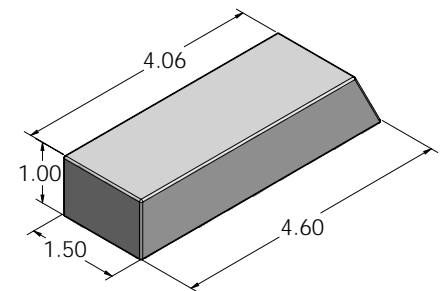
ATI729-13T  
1.2 LBS



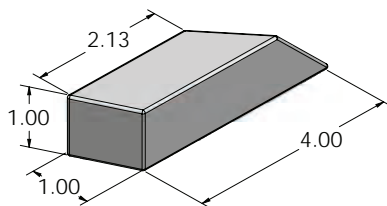
ATI732T  
2.11 LBS



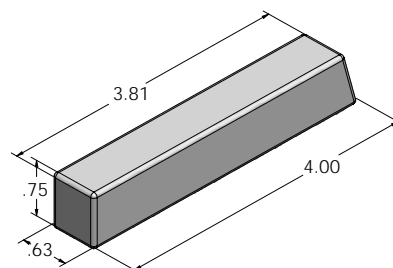
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2.85 LBS



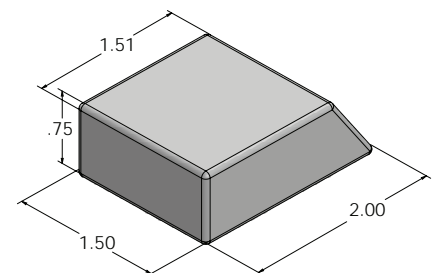
ATI760B-10T  
5.5 LBS



ATI760B-10TX  
1.92 LBS



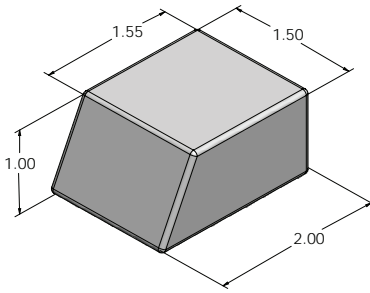
ATI760B10TXX  
1.25 LBS



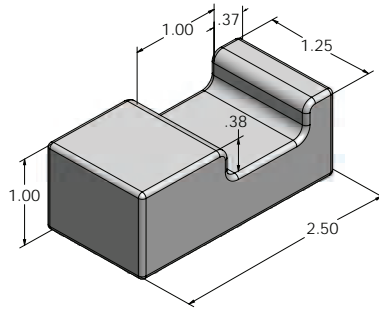
ATI764T  
1.3 LBS



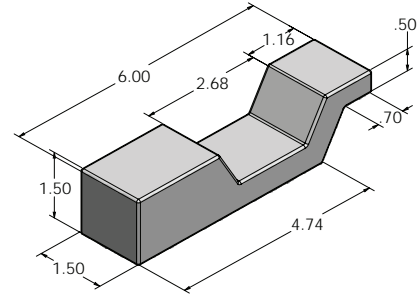
**SAFETY PRECAUTION:** Read and follow all safety and operating instructions.  
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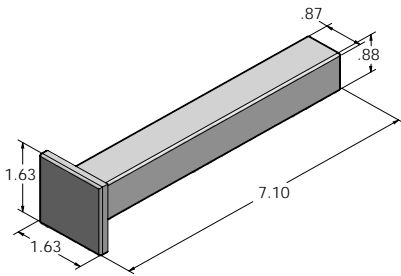
ATI765T  
1.75 LBS



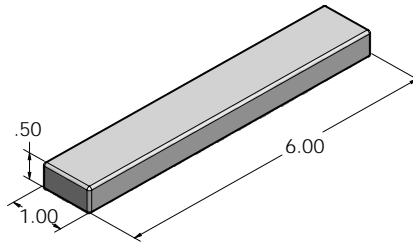
ATI766T  
1.7 LBS



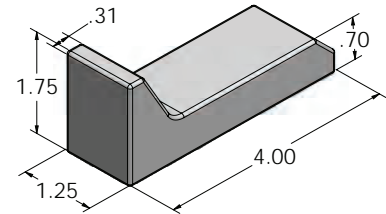
ATIETBB08  
6.0 LBS



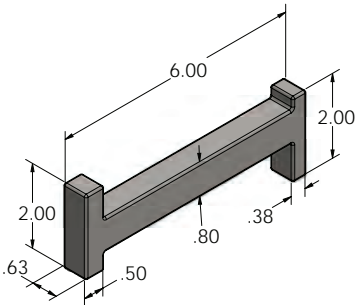
ATIETBB10  
3.85 LBS



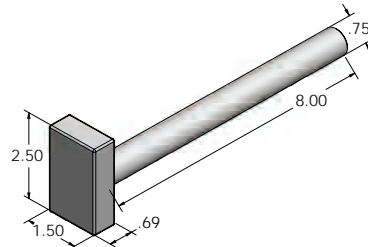
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1.95 LBS



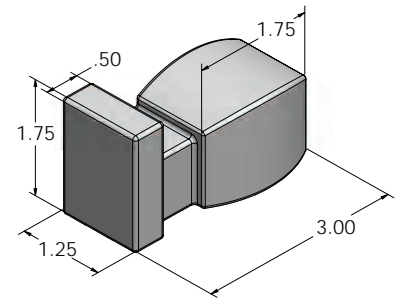
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2.90 LBS



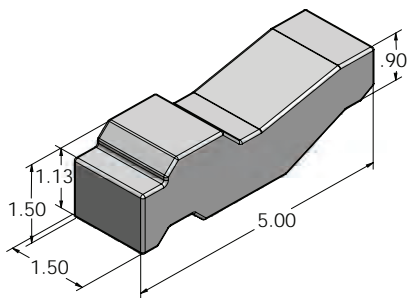
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2.40 LBS



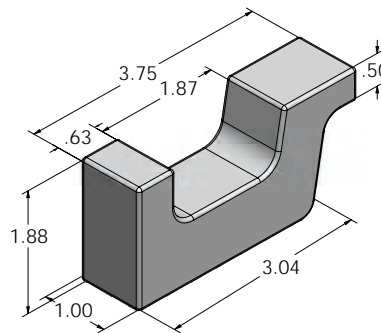
ATIETBB24  
4.05 LBS



ATIETBB25  
3.15 LBS



ATIETBB37  
5.75 LBS

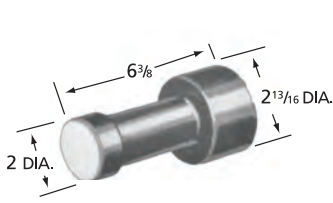


ATIETBB40  
3.05 LBS

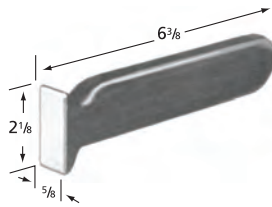
\*NON-STANDARD  
BUCKING BARS  
AVAILABLE

\*CONTACT YOUR LOCAL TERRITORY MANAGER FOR 'NON-STANDARD' BUCKING BARS

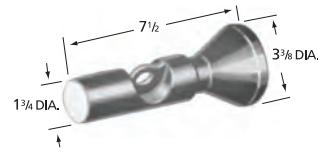
- All bucking surfaces are polished to a minimum 63 finish after heat treat
- All sharp corners and edges are radiused 1/32"-1/16" to prevent skin damage
- All bucking surfaces are dipped in clear plastic to prevent damage during shipment and storage



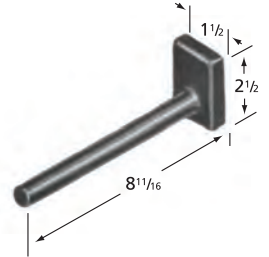
➤➤➤ **ATI601**  
6.00 LBS



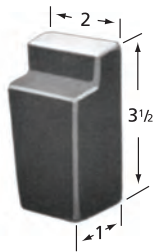
➤➤➤ **ATI602**  
1.25 LBS



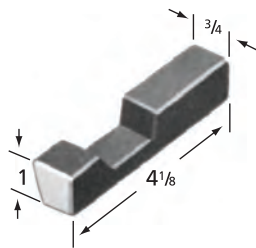
➤➤➤ **ATI603**  
6.50 LBS



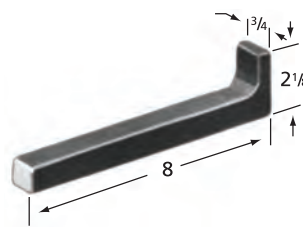
➤➤➤ **ATI604**  
1.75 LBS



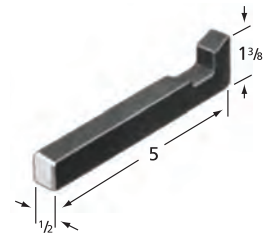
➤➤➤ **ATI605**  
1.50 LBS



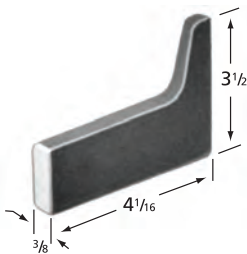
➤➤➤ **ATI606**  
0.75 LBS



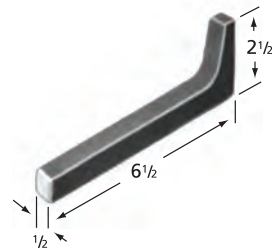
➤➤➤ **ATI608**  
1.25 LBS



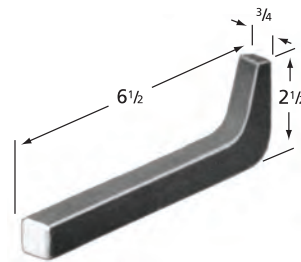
➤➤➤ **ATI609**  
0.50 LBS



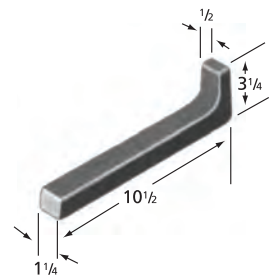
➤➤➤ **ATI610**  
0.75 LBS



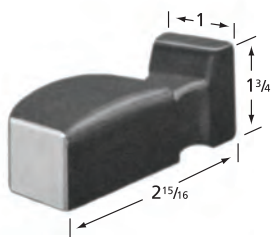
➤➤➤ **ATI611**  
1.00 LBS



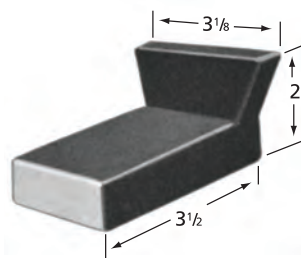
➤➤➤ **ATI612**  
1.25 LBS



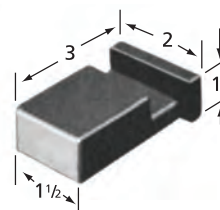
➤➤➤ **ATI613**  
5.50 LBS



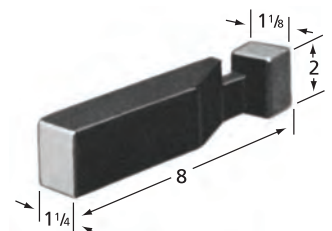
➤➤➤ **ATI616**  
1.00 LBS



➤➤➤ **ATI618**  
2.25 LBS



➤➤➤ **ATI619**  
1.25 LBS

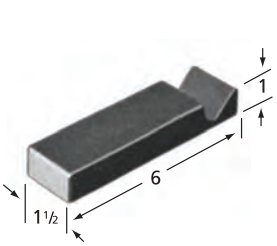


➤➤➤ **ATI620**  
4.50 LBS

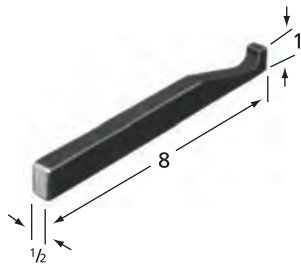
BUCKING BARS, STANDARD



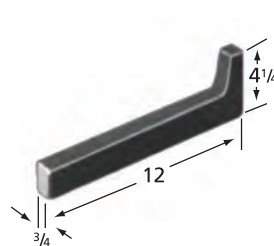
\*CONTACT YOUR LOCAL TERRITORY MANAGER FOR 'NON-STANDARD' BUCKING BARS



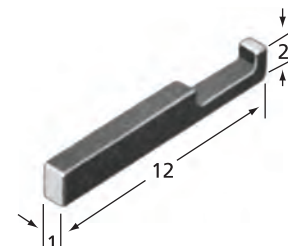
ATI622  
2.50 LBS



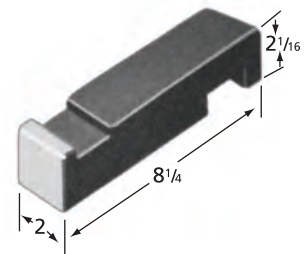
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1.00 LBS



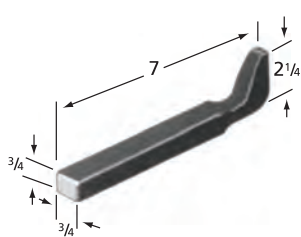
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5.25 LBS



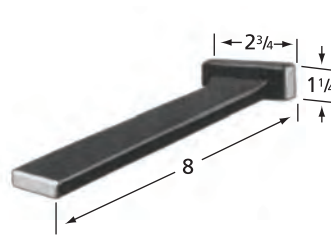
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6.00 LBS



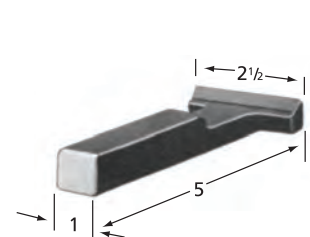
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7.75 LBS



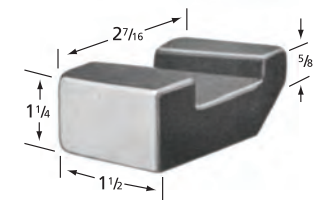
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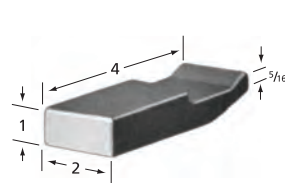
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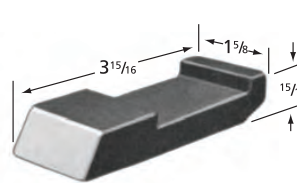
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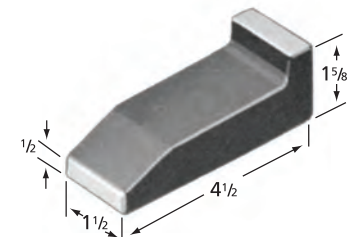
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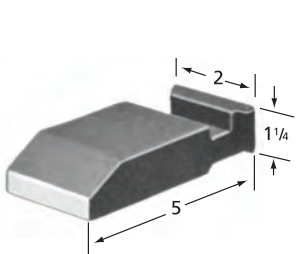
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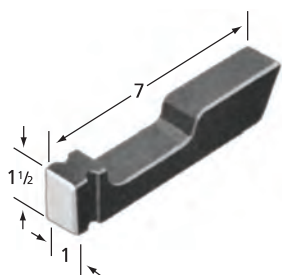
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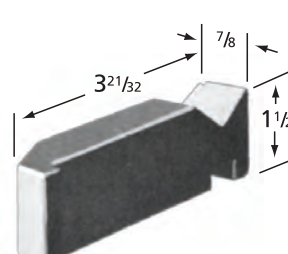
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2.00 LBS



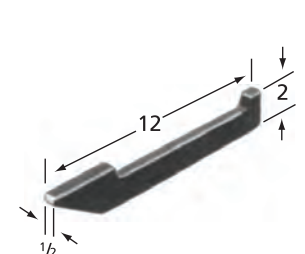
ATI640  
3.00 LBS



ATI642  
2.50 LBS



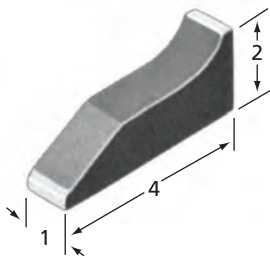
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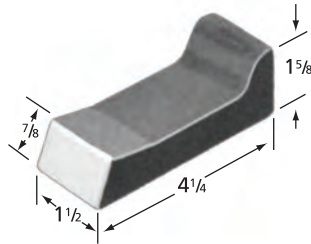
ATI646  
2.25 LBS



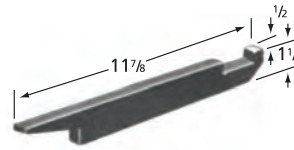
\*CONTACT YOUR LOCAL TERRITORY MANAGER FOR 'NON-STANDARD' BUCKING BARS



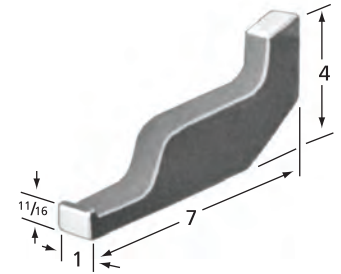
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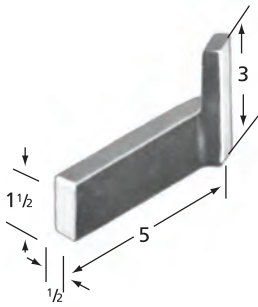
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1.50 LBS



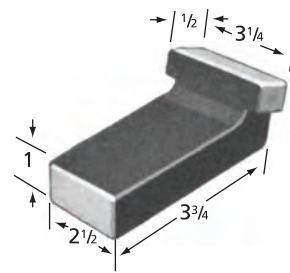
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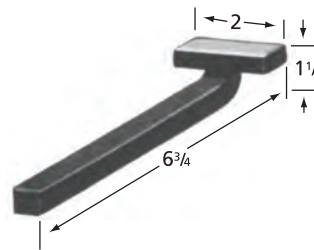
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3.00 LBS



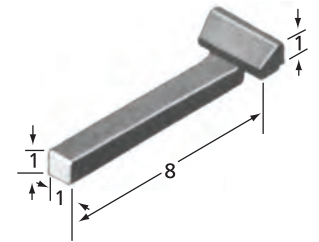
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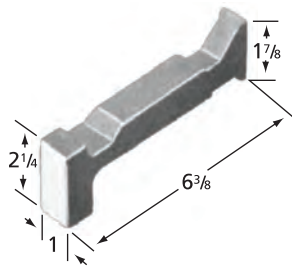
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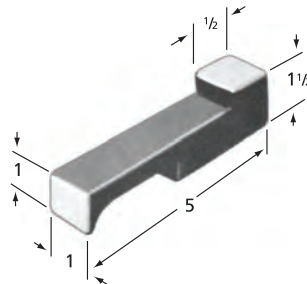
ATI662  
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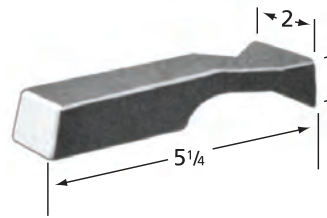
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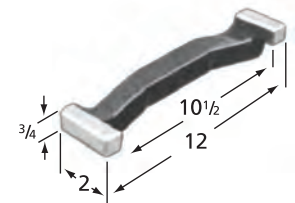
ATI670  
2.00 LBS



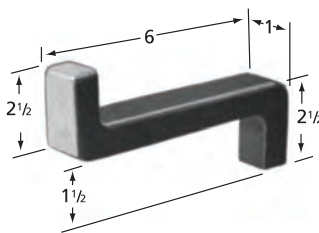
ATI672  
1.25 LBS



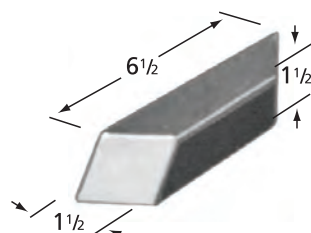
ATI681  
1.50 LBS



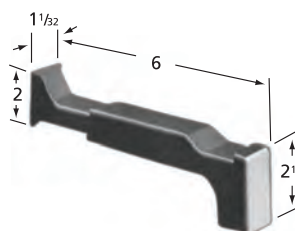
ATI686  
4.00 LBS



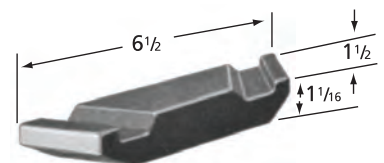
ATI690  
2.50 LBS



ATI692  
3.25 LBS



ATI694  
2.00 LBS



ATI702  
2.00 LBS



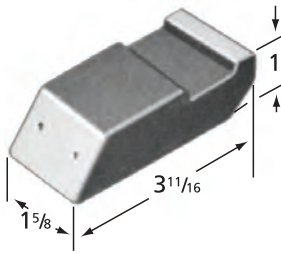
**SAFETY PRECAUTION:** Read and follow all safety and operating instructions.  
**WARNING:** Face & eye protection must be worn while operating power tools, per ANSI B186.1

# RIVETING TOOLS AND ACCESSORIES

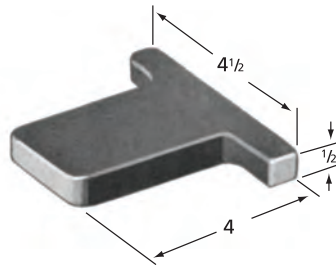
## BUCKING BARS, STANDARD



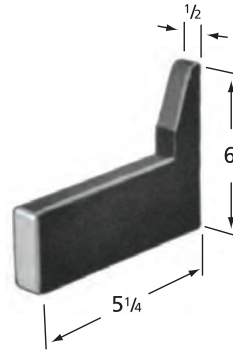
\*CONTACT YOUR LOCAL TERRITORY MANAGER FOR 'NON-STANDARD' BUCKING BARS



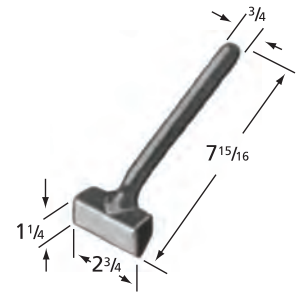
ATI707  
1.50 LBS



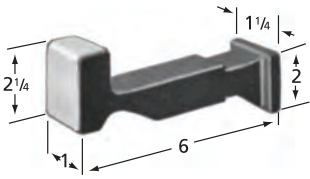
ATI711  
1.25 LBS



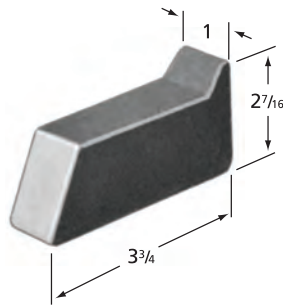
ATI715  
2.00 LBS



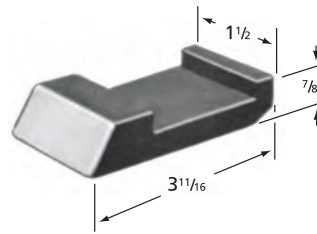
ATI718  
1.50 LBS



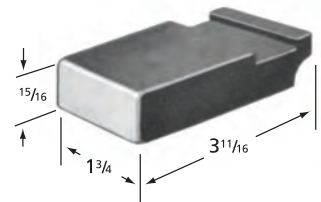
ATI719  
2.00 LBS



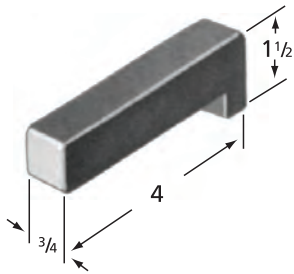
ATI721  
1.75 LBS



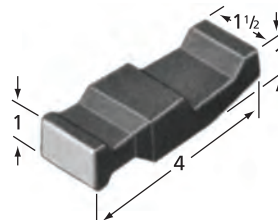
ATI722  
1.00 LBS



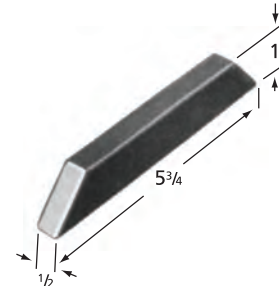
ATI723  
1.25 LBS



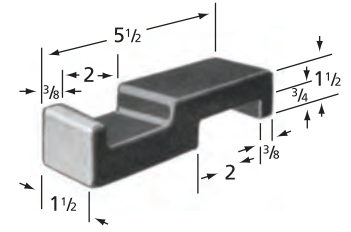
ATI727  
1.00 LBS



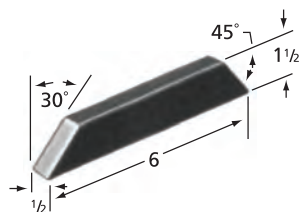
ATI730  
1.25 LBS



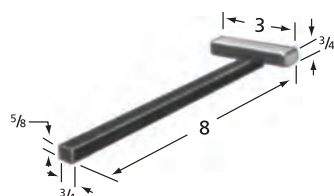
ATI732  
0.75 LBS



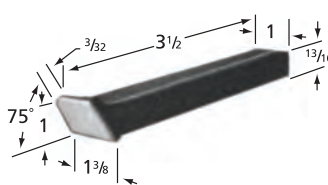
ATI736  
2.25 LBS



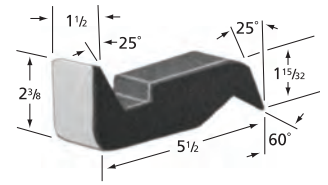
ATI737  
1.00 LBS



ATI750D-23  
1.75 LBS



ATI750K-2  
1.25 LBS

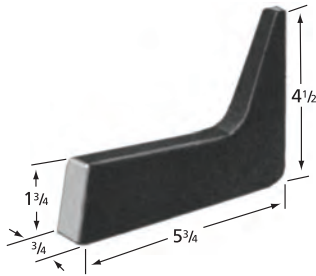


ATI750P-3  
2.75 LBS

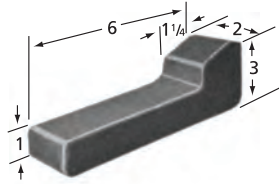


**SAFETY PRECAUTION:** Read and follow all safety and operating instructions.  
**WARNING:** Face & eye protection must be worn while operating power tools, per ANSI B186.1

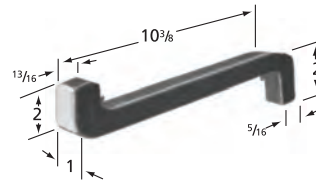
\*CONTACT YOUR LOCAL TERRITORY MANAGER FOR 'NON-STANDARD' BUCKING BARS



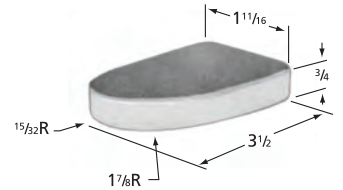
ATI750N-1  
2.50 LBS



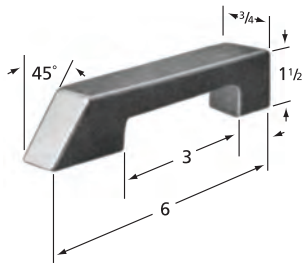
ATI750N-26  
4.75 LBS



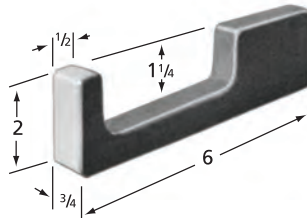
ATI750S-1  
2.75 LBS



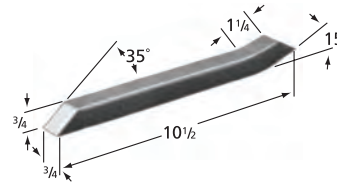
ATI753T-4  
1.25 LBS



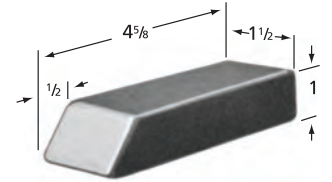
ATI760B-2  
1.25 LBS



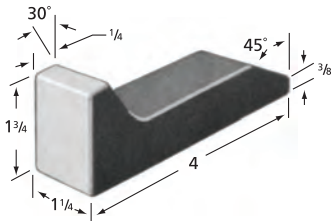
ATI760B-3  
1.75 LBS



ATI760B-7  
1.50 LBS



ATI760B-10  
2.00 LBS

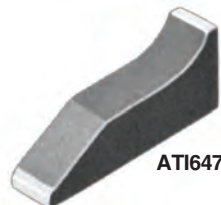
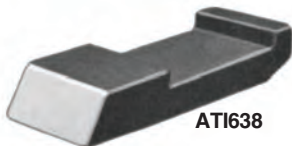


ATI763  
1.25 LBS

**BUCKING BAR SET, 4-PC**

**ATI590BBK**

- Set includes 1 each: ATI638, ATI647, ATI670, ATI681



**SAFETY PRECAUTION:** Read and follow all safety and operating instructions.  
**WARNING:** Face & eye protection must be worn while operating power tools, per ANSI B186.1

TRAUMA REDUCING BUCKING BAR KIT



ATI's Trauma Reducing Bucking Bar significantly reduces vibration associated with hammering rivets. This unique design features an adjusting screw for increasing or decreasing spring tension, depending on the rivet size and material. The cushioned grip maximizes comfort and adds to the reduction of vibration. The quick-change design enables the changing of bars in seconds. These bucking bars may be used with either recoilless or conventional style Rivet Hammers.



**ATI1001UK**

The kit consists of five bucking bars, one handle assembly, and plastic carrying case.

Kit includes:

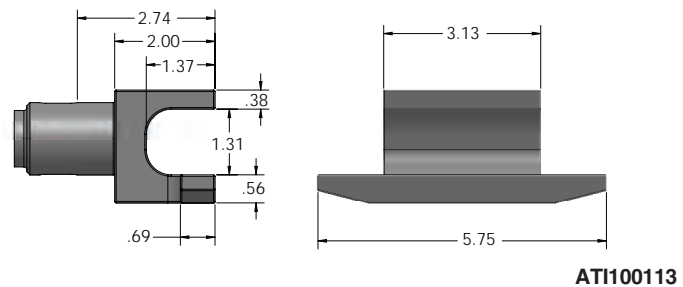
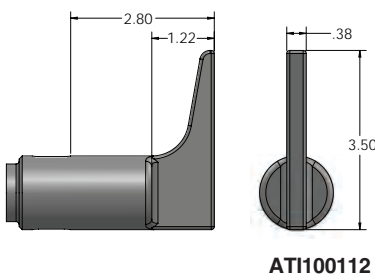
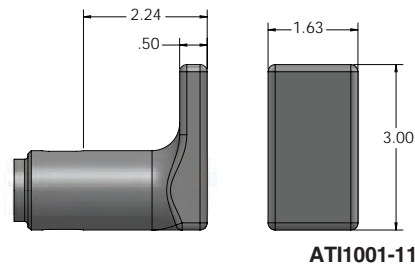
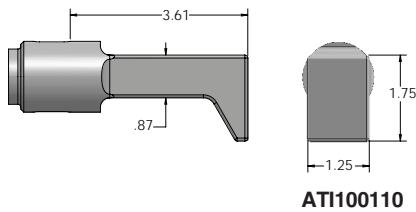
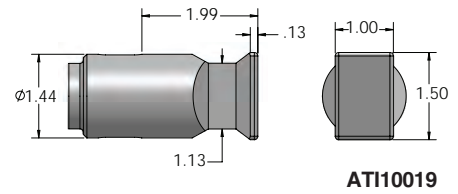
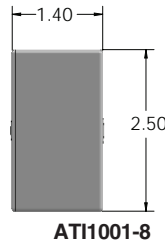
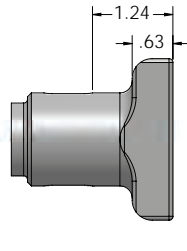
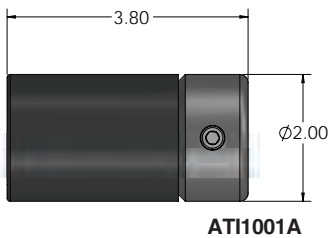
ATI1001A
ATI1001-8
ATI10019
ATI100110
ATI1001-11
ATI100112

**ATI1001K**

The kit consists of six bucking bars, one handle assembly, and plastic carrying case.

Kit includes:

ATI1001A
ATI1001-8
ATI10019
ATI100110
ATI1001-11
ATI100112
ATI100113





**SIOUX SWIVEL**

**Sioux Swivel**

Part Number	Description
1338-25	1/4" non-regulated air swivel connector with safety pin
1338-38	3/8" non-regulated air swivel connector with safety pin
1338-50	1/2" non-regulated air swivel connector with safety pin
1338FC-25	1/4" regulated air swivel connector with safety pin

Allows the air hose to rotate 360° on 2 axes.



1338-25



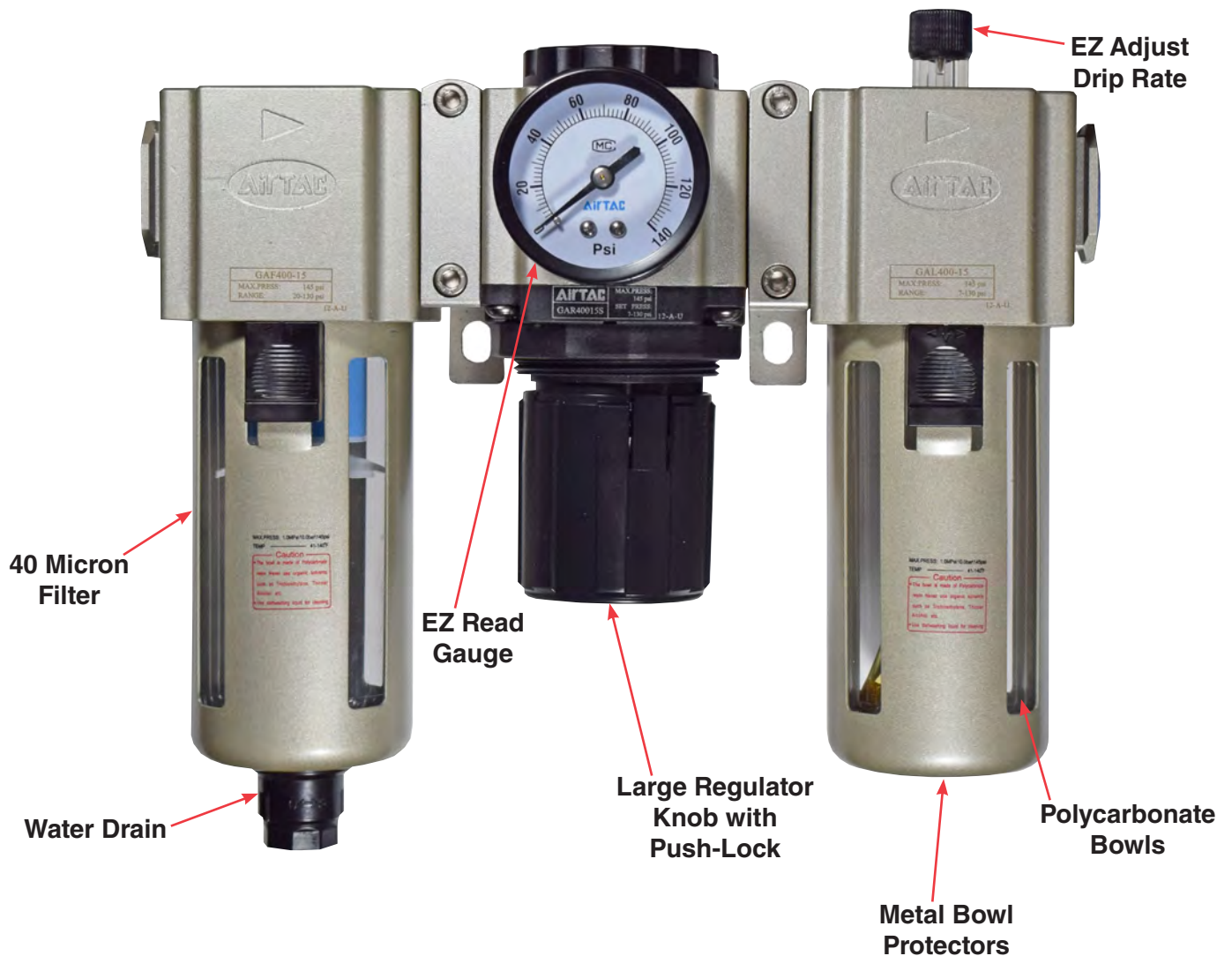
1338FC-25

**FILTER, REGULATOR, LUBRICATOR ASSEMBLY**

**Filter**

**Regulator**

**Lubricator**



**Filter, Regulator, Lubricator Assembly**



Part Number	Inlet & Outlet	Height		Width		Depth		Bracket Spacing	
		in	mm	in	mm	in	mm	in	mm
1670	1/2" NPT	8.9	227	9.8	248	3.9	100	3.3	84



**SAFETY PRECAUTION:** Read and follow all safety and operating instructions.  
**WARNING:** Face & eye protection must be worn while operating power tools, per ANSI B186.1

# INSTALLATION / REMOVAL



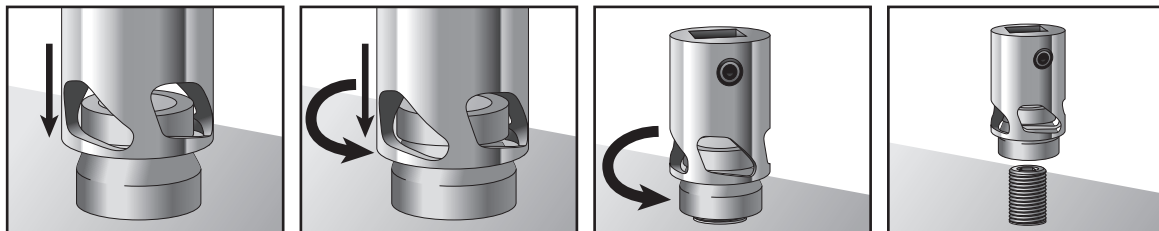
## INSTALLATION

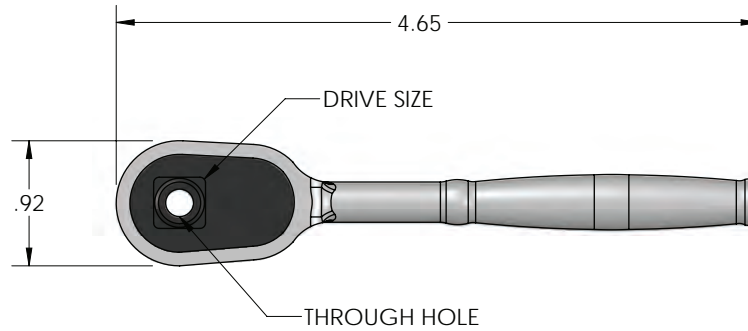


Installing the Hi-Lok® fastener with the "Roller Clutch" wrench.

Hi-Lok® fasteners completely installed.

## REMOVAL





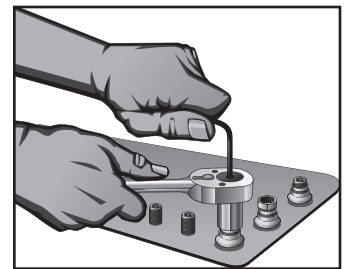
**HI-LOK® REVERSIBLE RATCHET WRENCH,  
1/4" AND 3/8" DRIVE**

Part Number	Description
ATI3594	1/4" Ratchet, 72 tooth, dual pawl, reversing
ATI3595	3/8" Ratchet, 72 tooth, dual pawl, reversing

**HI-LOK® 6-POINT SOCKETS**

Chrome-plated with set screw to secure socket to ratchet.

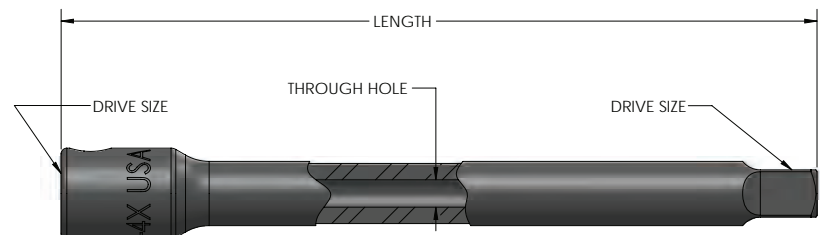
Part Number	Drive	Hex Size
ATI3596-.19	1/4"	3/16"
ATI3596-.22	1/4"	7/32"
ATI3596-.25	1/4"	1/4"
ATI3596-.28	1/4"	9/32"
ATI3596-.31	1/4"	5/16"
ATI3596-.34	1/4"	11/32"
ATI3596-.38	1/4"	3/8"
ATI3597-.38	3/8"	3/8"
ATI3597-.44	3/8"	7/16"
ATI3597-.50	3/8"	1/2"



**HI-LOK® RATCHET EXTENSIONS**

For use with ATI3594 and ATI3595 ratchets and all sockets listed in above table.

Part Number	Drive	Length
ATI3594-2X	1/4"	2"
ATI3594-4X	1/4"	4"
ATI3597-3X	3/8"	3"



**ATI3594K Frangible Collar Installation Kit**

Kit for installing frangible collar fasteners, including Hi-Lok® and Hi-Lite®.



ATI3594K

Kit includes:

1	ATI3594	1	ATI3596-.31
1	ATI3596-.19	1	ATI3596-.34
1	ATI3596-.22	1	ATI3596-.38
1	ATI3596-.25	1	ATI3594-2X
1	ATI3596-.28	1	ATI3594-4X
1	Hex Wrench	2	T-Hex Wrenches

**ATI3600K Comprehensive Frangible Collar Installation Kit**

Comprehensive kit for installing frangible collar fasteners, including Hi-Lok® and Hi-Lite®.



ATI3600K

Kit includes:

1	ATI3594	1	ATI3595
1	ATI3596-.19	1	ATI3596-.34
1	ATI3596-.22	1	ATI3596-.38
1	ATI3596-.25	1	ATI3597-.38
1	ATI3596-.28	1	ATI3597-.44
1	ATI3596-.31	1	ATI3597-.50
1	ATI3594-2X	1	ATI3597-3X
1	Hex Wrench	4	T-Hex Wrenches

**HI-LOK® ROLLER CLUTCH WRENCH**

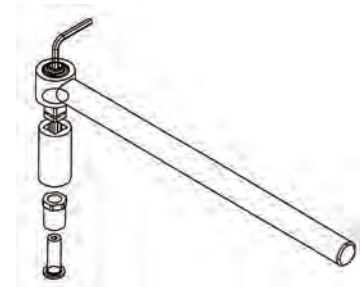
- Smooth instantaneous engagement
- Good for limited access areas with limited handle rotation



ATISK3539



ATI3539IT38



Part Number	Function	Drive	Length	Finish	(ATISK3539A5)	(ATISK3539A8)
ATI3539IT14	Installation	1/4" Hex Socket	3"	Black Oxide	X	X
ATISK3539	Installation	1/4" Square	3"	Black Oxide	X	X
ATISK3539L	Installation	1/4" Square	6"	Black Oxide		
ATI3539I1132	Installation	11/32" Hex Socket	3"	Black Oxide	X	X
ATI3539IT38	Installation	3/8" Hex Socket	3"	Black Oxide		X
ATI3539IT516	Installation	5/16" Hex Socket	3"	Black Oxide	X	X
ATI3539IT716	Installation	7/16" Hex Socket	3"	Black Oxide		X
ATI3539IT732	Installation	7/32" Hex Socket	3"	Black Oxide	X	X
ATISK3539IT9	Installation	9/32" Hex Socket	3"	Black Oxide		
ATISK3539B	Installation	1/4" Square	3"	Zinc		
ATISK3539BL	Installation	1/4" Square	6"	Zinc		
ATISK3539LR	Removal	1/4" Square	6"	Black Oxide		
ATISK3539R	Removal	1/4" Square	3"	Black Oxide		X



**ATISK3539A5 Roller Clutch Wrench Kit, 5-PC**



Kit includes:

1	ATI2979U	1	ATI3539IT14
1	ATISK3539	1	ATI3539I1132
1	ATI3539IT732	1	ATI3539IT516

**ATISK3539A8 Roller Clutch Wrench Kit, 8-PC**



Kit includes:

1	ATI2979U	1	ATI3539I1132
1	ATISK3539	1	ATI3539IT516
1	ATISK3539R	1	ATI3539IT38
1	ATI3539IT732	1	ATI3539IT716
1	ATI3539IT14		

**ATISK3539LPR Roller Clutch Wrench Kit**

This Roller Clutch Wrench Kit consists of two clutch-driven handles, seven insertion tools and three hex wrenches. The sockets and square drive can be inserted in either side of the two-way handle, providing both insertion and removal capabilities. The operator simply removes the socket from one end, and inserts it into the other, to reverse the installation process. These shallow sockets extend 1/4" beyond the thickness of the handle. Assembled, the working end of the tool measures a mere 3/4", allowing maximum close-quarter flexibility.



**NEW FRANGIBLE COLLAR REMOVAL SOCKETS**

**ATI3581 SERIES**

- Design features six-start, left-hand internal threads
- Made from hardened tool steel for long lasting wear and black oxide finish
- Sockets come with female square drive and external hex drive for use with hand or air ratchet, or ratcheting combo wrench
- For use on aluminum, stainless steel, and titanium collars



**FRANGIBLE COLLAR REMOVAL SOCKET KIT ATI3581K**

Comprehensive kit for removing Hi-Lok®, Hi-Lite®, and Eddie Bolt® collars. Kit includes 1 each of the items below plus applicable hex wrenches.

Part Number	Collar Size	SQ DR	EXT HEX	Description
*ATI3581-5	5/32"	1/4"	7/16"	Removes 5/32" Hi-Lok®, Hi-Lite®, and Eddie Bolt® collars
*ATI3581-6	3/16"	1/4"	7/16"	Removes 3/16" Hi-Lok®, Hi-Lite®, and Eddie Bolt® collars
*ATI3581-8	1/4"	1/4"	7/16"	Removes 1/4" Hi-Lok®, Hi-Lite®, and Eddie Bolt® collars
*ATI3581-10	5/16"	1/4"	7/16"	Removes 5/16" Hi-Lok®, Hi-Lite®, and Eddie Bolt® collars
ATI3581-12	3/8"	3/8"	3/4"	Removes 3/8" Hi-Lok®, Hi-Lite®, and Eddie Bolt® collars
ATI3581-14	7/16"	3/8"	3/4"	Removes 7/16" Hi-Lok®, Hi-Lite®, and Eddie Bolt® collars
ATI3581-16	1/2"	3/8"	3/4"	Removes 1/2" Hi-Lok®, Hi-Lite®, and Eddie Bolt® collars
ATI3581-18	9/16"	3/8"	3/4"	Removes 9/16" Hi-Lok®, Hi-Lite®, and Eddie Bolt® collars
ATI3581-20	5/8"	3/8"	3/4"	Removes 5/8" Hi-Lok®, Hi-Lite®, and Eddie Bolt® collars
ATI3581-4PC	Consists of (*) items above on a socket rail			

ATI3594	ATI3581-8
ATI3595	ATI3581-10
ATI2979U	ATI3581-12
1214RC	ATI3594-2X
ATI3581-5	ATI3594-4X
ATI3581-6	



**SAFETY PRECAUTION:** Read and follow all safety and operating instructions.  
**WARNING:** Face & eye protection must be worn while operating power tools, per ANSI B186.1

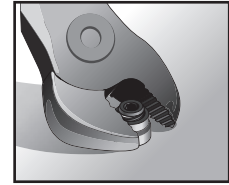
HI-LOK® REMOVAL TOOLS

HI-LOK® REMOVAL PLIERS  
ATI2979U

Serrated-jaw pattern for removal of all aluminum frangible collars. Comfort grip handles. Easy access into tight areas.



ATI2979U



FRANGIBLE COLLAR REMOVAL SOCKETS

ATI3585 SERIES

- New Patent-Pending design immediately engages collars with minimal downward force
- Design allows for easy removal of collars from socket after removal
- Sockets feature 1/4" drive and a set screw holds the socket in place on ratchet
- Removes most collars such as Hi-Lok®, Hi-Lite®, Eddie Bolt® and HUCK threaded collar systems, including stainless steel and aluminum
- Versatility: One ATI3585 removal socket can accommodate multiple fastener sizes
- Compact size enables removal in the tightest access areas



Part Number	Pin Size	Description
ATI3585-5B	5/32"	Removes most 5/32" Hi-Lok® and Hi-Lite® collars, aluminum and stainless steel
ATI3585-6A	3/16"	Removes most 3/16" Hi-Lok® and Hi-Lite® collars, stainless steel material
ATI3585-6B	3/16"	Removes most 3/16" Hi-Lok® and Hi-Lite® collars, aluminum material
ATI3585-8A	1/4"	Removes most 1/4" Hi-Lite® collars, aluminum and stainless steel material
ATI3585-8B	1/4"	Removes most 1/4" Hi-Lok® collars, stainless steel material
ATI3585-8C	1/4"	Removes most 1/4" Hi-Lok® collars, aluminum material

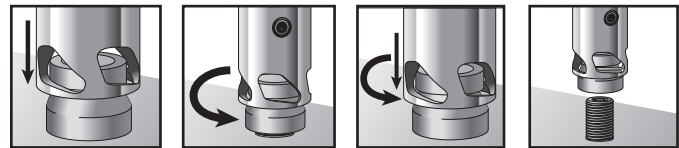
FRANGIBLE COLLAR REMOVAL SOCKET SET WITH RAIL  
ATI3585-6PC

6-PC set includes:

ATI3585-5B	ATI3585-8A
ATI3585-6A	ATI3585-8B
ATI3585-6B	ATI3585-8C



ATI3585-6PC



FRANGIBLE COLLAR REMOVAL SOCKET KIT  
ATI3588K

Comprehensive kit designed for removing various frangible collars including Hi-Lok® and Hi-Lite® fasteners.

Sizes 5/32", 3/16", and 1/4"

Kit includes:

1	ATI3594	1	ATI3585-8C
1	ATI3585-5B	1	ATI2979U
1	ATI3585-6A	1	ATI3594-2X
1	ATI3585-6B	1	ATI3594-4X
1	ATI3585-8A	1	Hex Wrench
1	ATI3585-8B	2	T-Hex Wrench

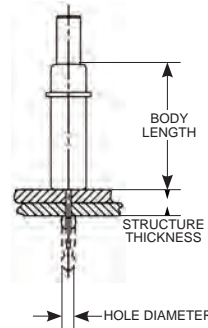


ATI3588K



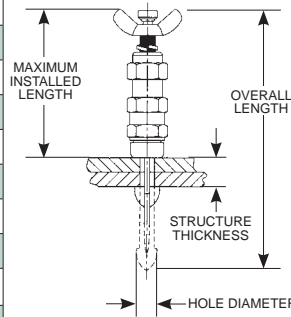
**PLIER OPERATED TEMPORARY FASTENERS**

Part Number	Grip Range	Body Length	Size	For Drill	Color
ATI551M	0-1/4"	1-29/64"	3/32"	#40	ZINC
ATI552M	0-1/4"	1-29/64"	1/8"	#30	COPPER
ATI553M	0-1/4"	1-29/64"	5/32"	#21	BLACK
ATI554M	0-1/4"	1-29/64"	3/16"	#10	BRASS
ATI556M	0-1/4"	1-31/64"	1/4"	1/4"	COPPER
ATI551MHD	0-1/2"	1-7/64"	3/32"	#40	ZINC
ATI552MHD	0-1/2"	1-7/64"	1/8"	#30	COPPER
ATI553MHD	0-1/2"	1-7/64"	5/32"	#21	BLACK
ATI554MHD	0-1/2"	1-7/64"	3/16"	#10	BRASS
ATI556MHD	0-1/2"	1-47/64"	1/4"	1/4"	COPPER



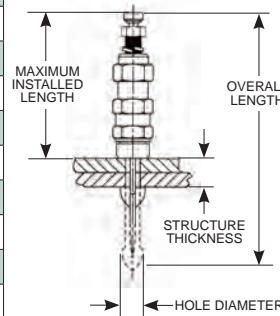
**MANUAL OPERATED TEMPORARY FASTENERS, WING NUT**

Part Number	Grip Range	Body Length (OAL)	Size	For Drill	Color
ATI551WNX	0-1/2"	2-7/8"	3/32"	#40	ZINC
ATI552WNX	0-1/2"	2-7/8"	1/8"	#30	COPPER
ATI553WNX	0-1/2"	2-7/8"	5/32"	#21	BLACK
ATI554WNX	0-1/2"	2-7/8"	3/16"	#10	BRASS
ATI556WNX	0-1/2"	2-7/8"	1/4"	1/4"	COPPER
ATI551WNXL	0-1"	3-7/8"	3/32"	#40	ZINC
ATI552WNXL	0-1"	3-7/8"	1/8"	#30	COPPER
ATI553WNXL	0-1"	3-7/8"	5/32"	#21	BLACK
ATI554WNXL	0-1"	3-7/8"	3/16"	#10	BRASS
ATI556WNXL	0-1"	3-7/8"	1/4"	1/4"	COPPER



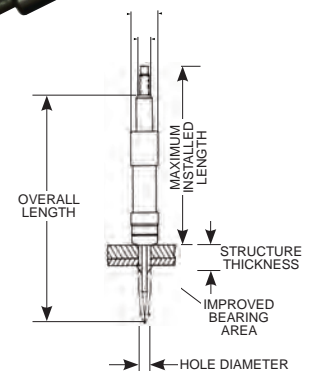
**POWER OPERATED TEMPORARY FASTENERS, HEX NUT**

Part Number	Grip Range	Body Length (OAL)	Size	For Drill	Color
ATI551HNX	0-1/2"	2-7/8"	3/32"	#40	ZINC
ATI552HNX	0-1/2"	2-7/8"	1/8"	#30	COPPER
ATI553HNX	0-1/2"	2-7/8"	5/32"	#21	BLACK
ATI554HNX	0-1/2"	2-7/8"	3/16"	#10	BRASS
ATI556HNX	0-1/2"	2-7/8"	1/4"	1/4"	COPPER
ATI551HNXL	0-1"	3-7/8"	3/32"	#40	ZINC
ATI552HNXL	0-1"	3-7/8"	1/8"	#30	COPPER
ATI553HNXL	0-1"	3-7/8"	5/32"	#21	BLACK
ATI554HNXL	0-1"	3-7/8"	3/16"	#10	BRASS
ATI556HNXL	0-1"	3-7/8"	1/4"	1/4"	COPPER



**POWER OPERATED TEMPORARY FASTENERS, CYLINDRICAL BODY**

Part Number	Part Number W/ Plastic Cap	Body Length (OAL)	Grip Range	Size	For Drill	Color
CBXBF332PC	CBXBF332PC	4-1/32"	0-1/2"	3/32"	#40	ZINC
CBX-BF-1/8	CBXBF18PC	4-1/16"	0-1/2"	1/8"	#30	COPPER
CBX-BF-5/32	CBXBF532PC	4-3/32"	0-1/2"	5/32"	#21	BLACK
CBXBF316	CBXBF316PC	4-1/8"	0-1/2"	3/16"	#10	BRASS
CBX-BF-1/4	CBXBF14PC	4-5/32"	0-1/2"	1/4"	1/4"	COPPER
CBXL-BF-3/32	CBXLB332PC	5-1/32"	0-1"	3/32"	#40	ZINC
CBXL-BF-1/8	CBXLB18PC	5-1/16"	0-1"	1/8"	#30	COPPER
CBXLB532	CBXLB532PC	5-3/32"	0-1"	5/32"	#21	BLACK
CBXL-BF-3/16	CBXLB316PC	5-1/8"	0-1"	3/16"	#10	BRASS
CBXL-BF-1/4	CBXLB14PC	5-5/32"	0-1"	1/4"	1/4"	COPPER



**SAFETY PRECAUTION:** Read and follow all safety and operating instructions.  
**WARNING:** Face & eye protection must be worn while operating power tools, per ANSI B186.1

**ATI800FGB**

- Heavy duty, lightweight, and compact
- Greater torque in reverse eases removal of installed fastener
- Dual roller clutch carriers for longevity
- Barrel diameter: 1.01"
- Shuttle reverse lever design allows for better clearance
- Air motor stalls at 25 in-lbs. at 90 psi
- CE Certified



**ATI800FGC TORQUE CONTROL CLUTCH**

- Heavy duty, lightweight, and compact
- Adjustable clutch for specific torque applications
- Push button rapid reverse with lock position
- Greater torque in reverse eases removal of installed fastener
- Dual roller clutch carriers for longevity
- CE Certified



**SIOUX SKIN CLAMP RUNNERS**



SSR6P25



SSR4P26

**Performance:**

Speed: 2,200 rpm - 2,500 rpm

**Features:**

Pistol Grip  
1/2-12 Point Internal, 9/16-6  
Point External Hex

**Skin Clamp Runners**



Model Number	Fastener Type	Free Speed	Weight		Length		Side to Center		Air Consumption	
		rpm	lb	kg	in	mm	in	mm	scfm	l/s
<b>0.24 hp (0.18 kW) – Pistol Grip</b>										
SSR4P26	Cylindrical	2600	1.7	0.7	7.0	178	0.7	17	20	10
<b>0.40 hp (0.30 kW) – Pistol Grip</b>										
SSR6P25	Hex	2500	2.7	1.2	9.2	234	0.9	23	30	14

**General:** Air Inlet Size: 1/4" NPT • Recommended Hose Size: 3/8" (10 mm) • Performance rated @ 90 psig (6.2 bar) air pressure

**Standard Equipment:** Parts List • Safety and Instruction Manual • Comfort Grip (Pistol Grip models)



**SAFETY PRECAUTION:** Read and follow all safety and operating instructions.  
**WARNING:** Face & eye protection must be worn while operating power tools, per ANSI B186.1



# CUTTING TOOLS

Ground on-centers to ensure concentricity and eliminate run out

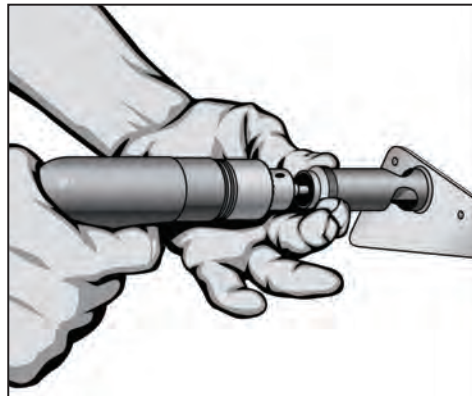
Manufactured of M2 high-speed steel



Two cutting flutes for maximum chip relief; three flutes to eliminate chatter

120-degree seating angle for standard fit

1/4"-28 Threaded male shank



## Anatomy of a Countersink

A countersink is a tool used to cut and form a hole so that a flush fastener can be installed. The main features of a countersink are the threaded shank, body, cutting angle, and pilot.

### Threaded Shank

The threaded shank is inserted into the microstop shaft and its thread size is specified by the user. Industry standard thread sizes are 10-32, 1/4"-28, 3/8"-24, and 7/16"-20. The most common countersink shanks are 1/4"-28.

### Body

The body of a countersink is typically cylindrical in shape and its diameter is determined by the fastener to be installed.

### Cutting Angle

The cutting angle is determined by the fastener to be installed and is specified by the user. The cutting angle also indicates what the angle of the conically shaped hole will be when the hole is formed. The most common cutting angle is 100 degrees.

### Pilot

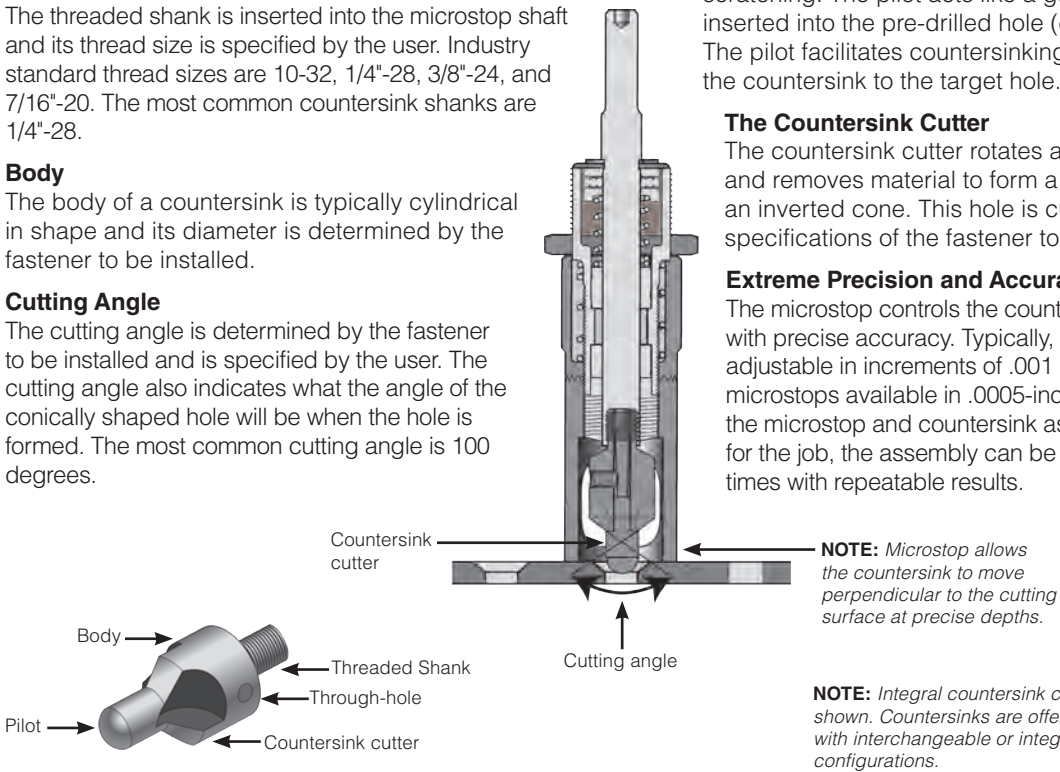
The pilot diameter on a countersink is specified by the user and typically is the same diameter of the pre-drilled hole. It's important for the pilot end to be smooth and to have a hemispherical tip in order to prevent scratching. The pilot acts like a guide when it is inserted into the pre-drilled hole (called the "pilot hole"). The pilot facilitates countersinking by properly aligning the countersink to the target hole.

### The Countersink Cutter

The countersink cutter rotates at a very high speed and removes material to form a hole shaped like an inverted cone. This hole is cut to form the exact specifications of the fastener to be installed.

### Extreme Precision and Accuracy

The microstop controls the countersink's depth with precise accuracy. Typically, the depth of cut is adjustable in increments of .001 inch, with more precise microstops available in .0005-inch increments. Once the microstop and countersink assembly is configured for the job, the assembly can be used hundreds of times with repeatable results.



## What is a Microstop and What Does it Do?

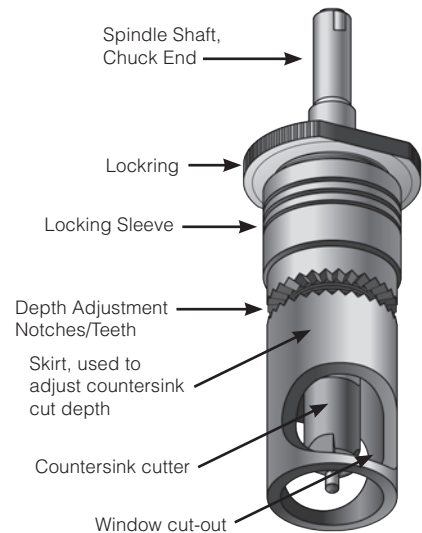
A "microstop" is a cylindrical tool that holds a cutting tool known as a "countersink."

The microstop allows the countersink to move perpendicular to the cutting surface at precise depths. When countersinking, the microstop can make "micro" adjustments up and down, and "stop" the countersink at the exact depth to match the profile of the fastener to be installed. The countersink depth is controlled by rotating the microstop skirt. The adjustments are extremely precise. Rotating the countersink skirt adjusts the countersink depth by only 0.0005 in.

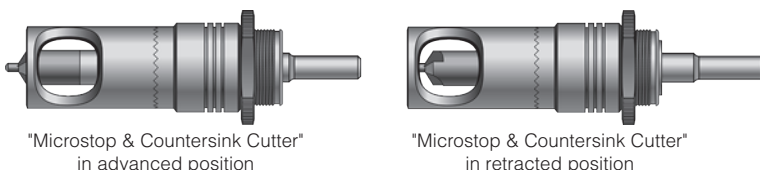
Extreme precision is important when countersinking a hole because it enables the ultimate objective: to ensure that the fastener – typically a flush rivet – fills the countersunk hole completely. Usually a rivet gun is used for installing and deforming the flush rivet into the hole's geometry.

When each countersunk hole is precisely drilled and fasteners are properly installed, every part of the plane's skin has consistent strength and load distribution. The use of a microstop allows for uniformity and helps achieve this goal.

A versatile tool, a microstop works with any type of threaded shank cutter in applications where the depth of cut requires extreme precision. This would include countersinks, counterbores, and hollow cutters, just to name a few.



**NOTE:** Skirt remains stationary when in contact with the cutting surface, enabling the operator to view the cutter.



**SPEED DRIVER, DEBURRING TOOLS AND CUTTERS**

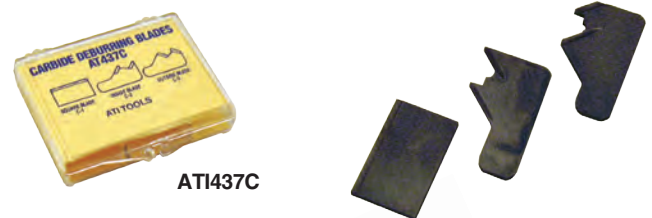
'Speed Driver' an ATI original, with swivel handle and unique offset shaft allows for rapid, uniform and safe deburring of drilled holes.

Part Number	Description
ATI521A	SPEED DRIVER, used with ATI521C deburring cutter. Tool has a taper lock spindle and only accepts this cutter
ATI521B	SPEED DRIVER, used with ATI407-4 deburr/countersink cutter. Accepts any 1/4"-28 threaded shank cutters
ATI521C	DEBURRING CUTTER, 100-degree cutting angle, 3-flute, 3/8" body, 7/32 shank diameter
ATI407-4	COUNTERSINK CUTTER, 100-degree cutting angle, 3-flute, 3/8" body, 1/4"-28 threaded shank. Can be used in any drill attachment that accepts 1/4"-28 threaded shank cutters


**CARBIDE DEBURRING BLADE  
ATI437C SERIES**

Used in conjunction with squaring and deburring heads, these blades perform on hydraulic tubing ends. Available in sets of 3 or individually. A set includes one outside, one inside, and one squaring blade.

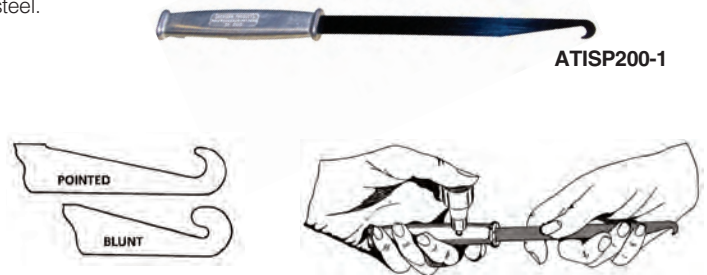
3 Piece Kit	Square Blade	Inside Blade	Outside Blade
ATI437C	ATI437C-1	ATI437C-2	ATI437C-3


**CHIP CHASERS**

Designed to remove chips that accumulate between sheet stock after drilling rivet holes. Handles are cast aluminum and the blades are made from clock spring steel.

**CHIP CHASERS WITH INTERCHANGEABLE BLADES**

Chip Chaser Assembly Part Number	Chip Chaser Blade Part Number	Blade Length	Hook Style
ATISP200-1	ATISP20002	5-7/8"	Pointed
ATISP200-2	ATISP20003	5-7/8"	Blunt
ATISP200-3	ATISP20004	2-3/4"	Pointed
ATISP200-4	ATISP20005	2-3/4"	Blunt
ATISP200	Chip Chaser Handle		


**CHIP CHASERS WITH MOLDED HANDLES**

Chip Chaser Part Number	Blade Length	Hook Style
ATI511	2-3/4"	Pointed
ATI512	5-7/8"	Pointed


**EDGE BREAKERS**

Quickly removes burrs & sharp edges from sheet stock.

Part Number	Description
ATI514	Hardened tip, safety shield and plastic handle works well on aluminum sheet stock


**BURNISHING TOOL - ATI515**

Designed to remove blemishes in materials. Heat-treated blade is chrome-plated, polished to mirror finish, and 2-3/8" long. Large plastic safety handle insures comfortable grip.

Part Number	Description
ATI515	Burnishing Tool, Hard chrome plated, 2-3/8" blade length, plastic handle



## CUTTING TOOLS

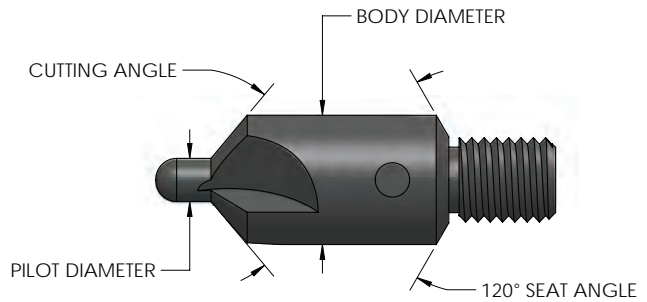
### COUNTERSINK CUTTERS, INTEGRAL PILOT



- Manufactured of M2 high-speed steel or carbide-tipped
- High speed steel countersinks ground on-centers to insure concentricity
- 120-degree seating angle for standard fit
- Use with ATI444 or ATI443 Series microstops

### HSS COUNTERSINKS, INTEGRAL PILOT, 100 DEGREE, 1/4"-28 THREADS

Pilot Diameter	Decimal Equivalent	Number of Flutes	Body Diameter			
			3/8"	7/16"	1/2"	5/8"
3/32"	.0938	2		ATI445D4-532	ATI445E43/32	
		3	ATI420C4332	ATI420D43/32	ATI420E43/32	
#41	.0960	2				ATI445G441N
		3	ATI420C4.096			
#40	.0980	2	ATI445C-4-40		ATI445E440	
		3	ATI420C440	ATI420D440	ATI420E440	
1/8"	.1250	2	ATI445C41/8		ATI445E41/8	
		3	ATI420C418	ATI420D41/8	ATI420E418	
#30	.1285	2	ATI445C430		ATI445E430	ATI445G430
		3	ATI420C430	ATI420D430	ATI420E430	
9/64"	.1406	2			ATI445E4964	
		3	ATI420C4964	ATI420D49/64		
#27	.1440	2	ATI445C427		ATI445E427	
		3		ATI420D427		ATI420G427
5/32"	.1563	2			ATI445E43/32	
		3	ATI420C45/32	ATI420D45/32	ATI420E45/32	
#21	.1590	2	ATI445C-4-21		ATI445E421	
		3	ATI420C421	ATI420D421	ATI420E421	
#20	.1610	2			ATI445E420	
		3	ATI420C420	ATI420D420	ATI420E420	
11/64	.1719	2	ATI445C41164			
		3	ATI420C41164	ATI420D41164		
#16	.1770	2			ATI445E416	
		3		ATI420D416	ATI420E4177	ATI420G416
#13	.1850	2			ATI445E413	
		3	ATI420C413	ATI420D413	ATI420E413	ATI420G413
3/16"	.1875	2	ATI445C4-316		ATI445E43/16	
		3	ATI420C4316	ATI420D43/16	ATI420E43/16	ATI420G43/16
#11	.1910	2			ATI445E4-11	
		3		ATI420D411	ATI420E411	
#10	.1935	2	ATI445C-4-10		ATI445E410	
		3	ATI420C410	ATI420D410	ATI420E410	
#8	.1990	2			ATI445E48	
		3			ATI420E48	ATI420G4N8
7/32"	.2188	2			ATI445E47/32	
		3		ATI420D47/32	ATI420E47/32	
#2	.2210	2	ATI445C42N			
		3				
1/4"	.2500	2			ATI445E4-1/4	ATI445G41/4
		3	ATI420C41/4	ATI420D41/4	ATI420E41/4	ATI420G4-1/4
5/16"	.3125	2			ATI445E45/16	ATI445G45/16
		3	ATI420C45/16	ATI420D45/16		ATI420G45/16
11/32"	.3438	2			ATI445E41132	
		3				
3/8"	.3750	2			ATI445E43/8	ATI445G43/8
		3				ATI420G43/8
1/2"	.5000	2				ATI445G41/2
		3				

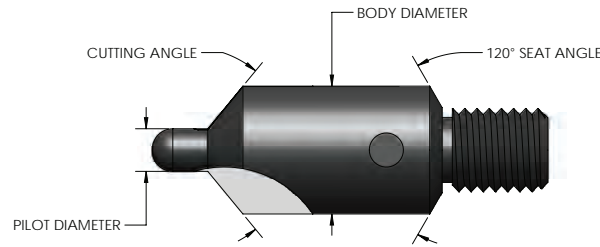


### HSS COUNTERSINKS, INTEGRAL PILOT, 100 DEGREE, 1/4"-28 THREADS

Pilot Diameter	Decimal Equivalent	Number of Flutes	BODY DIAMETER		
			1/4"	1/4" (10-32 THD)	5/16"
3/32"	.0938	2		ATI445A4332S	
		3	ATI420A4332		ATI420B43/32
#40	.0980	2	ATI445A4-40N	ATI445A440S2	
		3	ATI420A440		
#30	.1285	2	ATI445A-4-30	ATI445A430S2	
		3			
9/64"	.1406	2			
		3			ATI420B49/64
5/32"	.1563	2			
		3			ATI420B45/32
	.1620	2			ATI445B41620
		3			
3/16"	.1875	2			
		3			ATI420B43/16

Special countersink cutters may be ordered by providing the material, body diameter, pilot diameter, number of flutes, and cutting angle.



**COUNTERSINK CUTTERS, INTEGRAL PILOT**

**CARBIDE-TIPPED COUNTERSINKS, INTEGRAL PILOT, 2-FLUTE, 100 DEGREE, 1/4"-28 THREADS**

Pilot Diameter	Decimal Equivalent	Body Diameter	Part Number
3/32"	.0938	1/2"	ATI445CE4332
#40	.0980	1/4"	ATI445CTA440 (10-32 THDS)
		1/2"	ATI445CE440N
1/8"	.1250	1/2"	ATI445CTE418
#30	.1285	1/2"	ATI445CTE430
9/64"	.1406	1/2"	ATI445CE4964
5/32"	.1563	1/2"	ATI445CE4532
	.1580	1/2"	ATI445CE4158
#21	.1590	3/8"	ATI445CC421
		1/2"	ATI445CTE421
#20	.1610	1/2"	ATI445CE420N
#19	.1660	7/16"	ATI445CD419N
		1/2"	ATI445CE419N
#16	.1770	3/8"	ATI445CC416
		1/2"	ATI445CE416N
#13	.1830	1/2"	ATI445CE4183
	.1850	1/2"	ATI445CE413N
3/16"	.1860	1/2"	ATI445CE4186
	.1875	1/2"	ATI445CE4316
#11	.1880	1/2"	ATI445CE4188
	.1910	1/2"	ATI445CE411N
#10	.1920	1/2"	ATI445CE4192
	.1935	1/2"	ATI445CTE410
#9	.1960	1/2"	ATI445CE49N
#8	.1990	1/2"	ATI445CE4199

Pilot Diameter	Decimal Equivalent	Body Diameter	Part Number
13/64"	.2031	1/2"	ATI445CE1364
#3	.2130	1/2"	ATI445CE43N
	.2150	1/2"	ATI445CE4215
7/32"	.2188	1/2"	ATI445CE4732
	.2210	1/2"	ATI445CE42N
#2	.2430	1/2"	ATI445CE4243
	D	.2460	1/2"
	.2470	1/2"	ATI445CE4247
	.2475	1/2"	ATI445CTESP1
	.2480	1/2"	ATI445CE4248
	1/4"	.2500	1/2"
		.2620	5/8"
	.2780	1/2"	ATI445CE4262
	9/32"	.2813	1/2"
		.3090	1/2"
	.3100	1/2"	ATI445CE4309
	5/16"	.3125	1/2"
		.3240	5/8"
	.3250	1/2"	ATI445CG4516
		.3250	1/2"
	.3400	1/2"	ATI445CE4324
		.3400	1/2"
	.3420	1/2"	ATI445CE4342
		.3710	1/2"
3/8"	.3750	1/2"	ATI445CE4371

Special countersink cutters may be ordered by providing the material, body diameter, pilot diameter, number of flutes, and cutting angle.

**COUNTERSINK CUTTER SETS WITH ANODIZED HOLDER**

Part Number	Description
ATI420D-4PC	4-PC Set Includes: ATI420D43/32, ATI420D41/8, ATI420D45/32, ATI420D43/16
ATI420D-5PC	5-PC Set Includes: ATI420D43/32, ATI420D41/8, ATI420D45/32, ATI420D43/16, ATI420D41/4
ATI420D-9PC	9-PC Set Includes: ATI420D43/32, ATI420D41/8, ATI420D45/32, ATI420D43/16, ATI420D440, ATI420D430, ATI420D421, ATI420D410
ATI445E-4PC	4-PC Set Includes: ATI445E43/32, ATI445E41/8, ATI445E45/32, ATI445E43/16
ATI445E-5PC	5-PC Set Includes: ATI445E43/32, ATI445E41/8, ATI445E45/32, ATI445E43/16, ATI445E41/4
ATI445E-9PC	9-PC Set Includes: ATI445E43/32, ATI445E41/8, ATI445E45/32, ATI445E43/16, ATI445E440, ATI445E430, ATI445E421, ATI445E410


**MICROSTOP/COUNTERSINK CUTTER KIT**
**ATI590CSK**

- Provides countersinking versatility
- Includes one ball-bearing, .0005 adjustable depth Microstop for precise, accurate countersinking
- Includes an assortment of popular skirt and nose piece configurations
- Includes nine 1/2" diameter, 100° cutters with pilots of #40, #30, #21, #10, 3/32", 1/8", 5/32", 3/16", and 1/4"



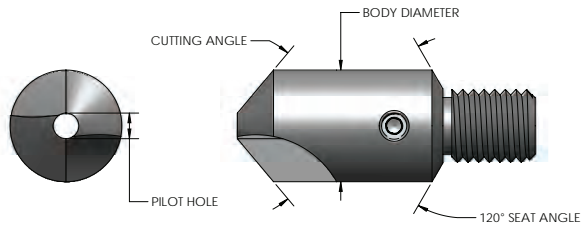
**SAFETY PRECAUTION:** Read and follow all safety and operating instructions.  
**WARNING:** Face & eye protection must be worn while operating power tools, per ANSI B186.1

## CUTTING TOOLS

### REPLACEABLE PILOT COUNTERSINK CUTTERS



#### ATI455 SERIES, HIGH SPEED STEEL, 100°, 1/4"-28 THREADED SHANK



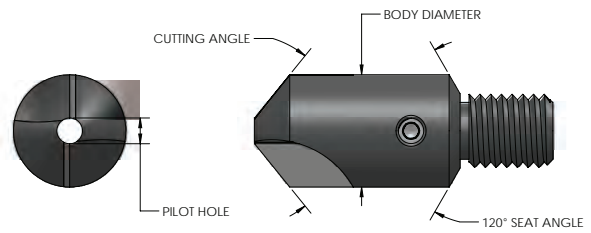
Refer to ATI484 Series and ATI435 series replaceable pilots.

Part Number	Body Diameter	Pilot Hole Diameter	Number of Flutes
ATI455A-4	1/4"	.086	2
ATI455B-4	5/16"	.086	2
ATI455C-4	3/8"	.086	2
ATI455D-4	7/16"	.086	2
ATI455E-4	1/2"	.086	2
ATI455F-4	9/16"	.086	2
ATI455G-4	5/8"	.086	2
ATI455H-4*	3/4"	.170	3
ATI455J-4*	7/8"	.170	3

\*3/8"-24 threaded shanks

Special countersink cutters may be ordered by providing the material, body diameter, pilot hole diameter, and cutting angle.

#### ATI455CT SERIES, CARBIDE-TIPPED, 100°, 1/4"-28 THREADED SHANK



Refer to ATI485 Series replaceable pilots.

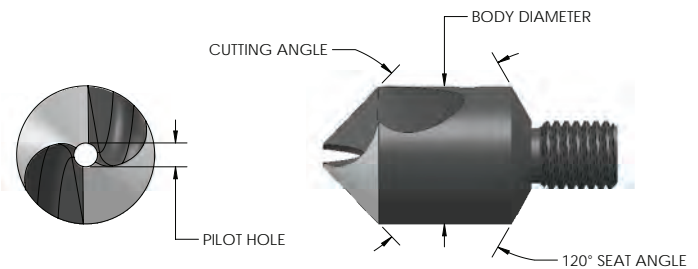
Part Number	Body Diameter	Pilot Hole Diameter	Number of Flutes
ATI455CTC-4	3/8"	.125	2
ATI455CTE-4	1/2"	.125	2
ATI455CTG-4	5/8"	.125	2

## COUNTERSINK CUTTER FOR KEVLAR

#### ATI455SK SERIES, 1/4"-28 THREADED SHANK

The Kevlar countersink cutter is designed for use with DuPont Kevlar composites. The unique 'S' shaped positive rake cutting flutes produce fuzz-free countersinks of precision quality in Kevlar.

Part Number	Body Diameter	Pilot Hole Diameter
ATI455SKE-4	1/2"	.086
ATI455SKG-4	5/8"	.086

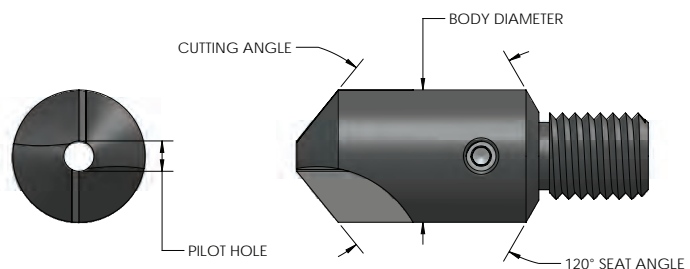


## COUNTERSINK CUTTER, POLYCRYSTALLINE DIAMOND INSERT FOR COMPOSITE MATERIAL

#### ATI455PD SERIES, REPLACEABLE PILOT, 100°, 1/4"-28 THREADED SHANK

The ATI455PD Series countersinks excel in cutting highly abrasive, non-ferrous materials where carbide will not perform, such as graphite epoxy composites. Replaceable pilot design allows for economical replacement of damaged pilots and versatility of various pilot diameters with the same cutter.

Part Number	Body Diameter	Pilot Hole Diameter
ATI455PDE-4	1/2"	.125
ATI455PDG4	5/8"	.125
ATI455PDH-4	3/4"	.170



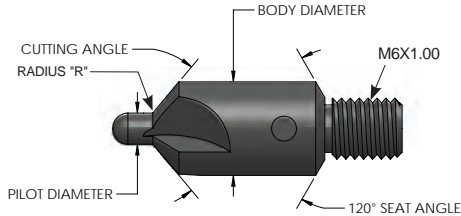


METRIC COUNTERSINK CUTTERS, INTEGRAL PILOT

- Manufactured of M42 cobalt steel
- Ground on-centers to insure concentricity
- 120-degree seating angle for standard fit
- Use with ATI444 Series microstops

**ATM6 SERIES**

Integral pilot cutter with M6 X 1.00 metric male threaded shank for use with ATI444 Series microstops.



**WHEN ORDERING SPECIFY:**

BODY DIAMETER, ANGLE, PILOT DIAMETER, FILLET RADIUS, AND CUTTING FLUTES

ATM6-"D"- "A"- "PILOT DIAMETER"- "R"-2 OR 3 FLUTES

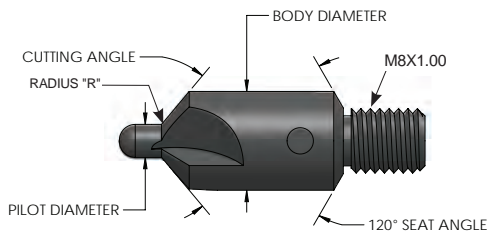
Ex. ATM6104317P2

Body Diameter	"D"	C'sink Angle	"A"	Radius Code	"R"	Standard Pilot Diameters (MM)	
6	6MM	1	78°	P	.50MM	2.38	4.76
8	8MM	2	82°	Q	.75MM	2.50	4.80
10	10MM	3	90°	R	1.00MM	3.17	5.00
12	12MM	4	100°			3.50	5.60
14	14MM	5	110°			3.96	6.00
		6	115°			4.00	6.35
		7	120°				
		8	130°				

Note: Other pilot sizes available upon request.

**ATM8 SERIES**

Integral pilot cutter with M8 X 1.00 metric male threaded shank for use with ATI444 Series microstops.



**WHEN ORDERING SPECIFY:**

BODY DIAMETER, ANGLE, PILOT DIAMETER, FILLET RADIUS, AND CUTTING FLUTES

ATM8-"D"- "A"- "PILOT DIAMETER"- "R"-2 OR 3 FLUTES

Ex. ATM8144600Q3

Body Diameter	"D"	C'sink Angle	"A"	Radius Code	"R"	Standard Pilot Diameters (MM)	
10	10MM	1	78°	P	.50MM	2.38	4.80
12	12MM	2	82°	Q	.75MM	2.50	5.00
14	14MM	3	90°	R	1.00MM	3.17	5.60
17	17MM	4	100°			3.50	6.00
21	21MM	5	110°			3.96	6.35
		6	115°			4.00	8.00
		7	120°			4.76	10.00
		8	130°				

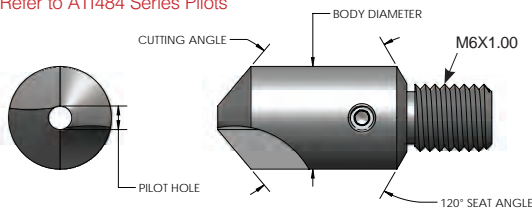
Note: Other pilot sizes available upon request.

COUNTERSINK CUTTERS, INTERCHANGEABLE PILOT, METRIC

**ATM6IP SERIES**

Standard 2 Flute interchangeable pilot cutter with M6 X 1.00 metric male threaded shank and .086 pilot hole for use with ATI444 Series microstops.

Refer to ATI484 Series Pilots



**WHEN ORDERING SPECIFY:** BODY DIAMETER AND ANGLE

ATM6IP-"D"- "A"

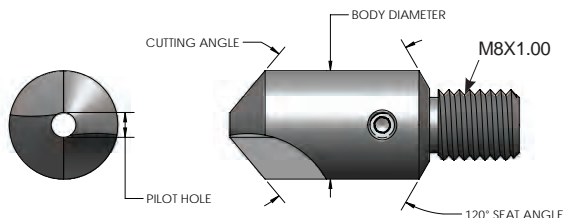
Ex. ATM6IP124

Body Diameter	"D"	C'sink Angle	"A"
10	10MM	1	78°
12	12MM	2	82°
14	14MM	3	90°
17	17MM	4	100°
		5	110°
		6	115°
		7	120°
		8	130°

**ATM8IP SERIES**

Standard 2 Flute interchangeable pilot cutter with M8 X 1.00 metric male threaded shank and .086 pilot hole for use with ATI444 Series microstops.

Refer to ATI484 Series Pilots



**WHEN ORDERING SPECIFY:** BODY DIAMETER AND ANGLE

ATM8IP-"D"- "A"

Ex. ATM8IP144

Body Diameter	"D"	C'sink Angle	"A"
10	10MM	1	78°
12	12MM	2	82°
14	14MM	3	90°
17	17MM	4	100°
21	21MM	5	110°
		6	115°
		7	120°
		8	130°

\*21MM comes w/ 3 flutes & .170 pilot hole



**SAFETY PRECAUTION:** Read and follow all safety and operating instructions.

**WARNING:** Face & eye protection must be worn while operating power tools, per ANSI B186.1

# CUTTING TOOLS

## PILOTS



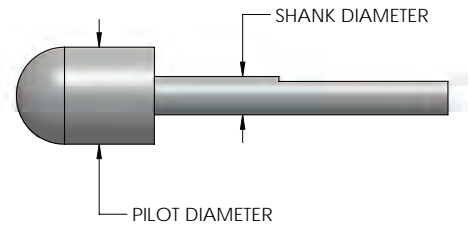
### ATI484 SERIES

Used with ATI455, ATM6IP, ATM8IP Series cutters

Part Number	Pilot Diameter	Shank Diameter	Part Number	Pilot Diameter	Shank Diameter
ATI484-2	#40	.086	ATI484-2.38M	2.38MM	.086
ATI484-12	#30	.086	ATI484-2.50M	2.50MM	.086
ATI484-21	#21	.086	ATI484-3.17M	3.17MM	.086
ATI484-31	#11	.086	ATI484-3.50M	3.50MM	.086
ATI484-32	#10	.086	ATI484-3.96M	3.96MM	.086
ATI484-56	3/32	.086	ATI484-4.00M	4.00MM	.086
ATI484-57	1/8	.086	ATI484-4.76M	4.76MM	.086
ATI484-59	5/32	.086	ATI484-4.80M	4.80MM	.086
ATI484-61	3/16	.086	ATI484-5.00M	5.00MM	.086
ATI484-63	7/32	.086	ATI484-5.60M	5.60MM	.086
ATI484-65	1/4	.086	ATI484-6.00M	6.00MM	.086

Special size pilot diameters are available upon special request.

These replaceable pilots have a flat on the shank to accommodate cutters with a set screw, and an undercut to permit head-to-seat on cutter angle.



### ATI485 SERIES

Used with ATI455CT, ATI455PD Series cutters

Part Number	Pilot Diameter	Shank Diameter
ATI485-12	#30	.125
ATI485-21	#21	.125
ATI485-31	#11	.125
ATI485-32	#10	.125
ATI485-57	1/8	.125
ATI485-59	5/32	.125
ATI485-61	3/16	.125
ATI485-63	7/32	.125
ATI485-65	1/4	.125

Special size pilot diameters are available upon special request.

### ATI435 SERIES

Used with ATI455 Series cutters

Part Number	Pilot Diameter	Shank Diameter
ATI435-3/16	3/16	.170
ATI435-1/4	1/4	.170
ATI435-5/16	5/16	.170
ATI435-3/8	3/8	.170
ATI435-1/2	1/2	.170

Special size pilot diameters are available upon special request.

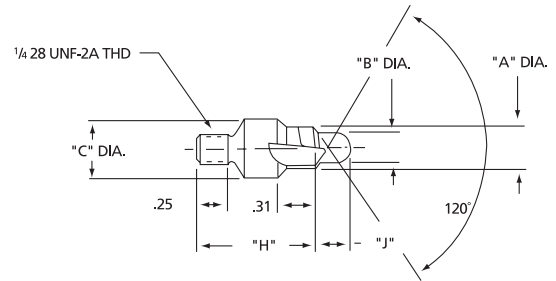
## BRILES® COUNTERSINK CUTTERS

### ATI438BRC SERIES, 1/4"-28 THREADED SHANK

These high speed steel countersinks feature a unique design that cuts a counterbore and countersink in the same hole. Use these special countersinks to prepare holes for MS14218, Briles® Rivet BRFZ, and Boeing BACR15FV.

Part Number	"A"	"B"	"C"	"H"	"J"
ATI438BRC3	.1235	.096	.375	.949	.180
ATI438BRC-4	.1625	.126	.375	.952	.200
ATI438BRC-5	.2105	.159	.375	.955	.220
ATI438BRC-6	.2585	.191	.375	.958	.250
ATI438BRC-7	.3125	.226	.375	.962	.280
ATI438BRC-8	.3585	.255	.500	.966	.280
ATI438BRC9	.4055	.288	.500	.969	.300
ATI438BRC10	.4545	.314	.500	.972	.300

Used with ATI444 SERIES microstops.



ATI438BRC-8

## COUNTERSINK CUTTER EXTENSIONS, 1/4"-28 RECESS

Part Number	Shank Diameter	Body Diameter	Body Length
ATI470B-.75	1/4" Straight	1/2"	0.75"
ATI470B-1.0	1/4" Straight	1/2"	1.0"
ATI470B-1.5	1/4" Straight	1/2"	1.5"
ATI470B-3.0	1/4" Straight	1/2"	3.0"
ATI470B1	1/4" Straight	1/2"	4.0"
ATI470B1F	1/4" Straight with Flats	1/2"	4.0"
ATI470B-2	1/4" Straight	1/2"	6.0"
ATI470B-2F	1/4" Straight with Flats	1/2"	6.0"
ATI470B-8.0	1/4" Straight	1/2"	8.0"
ATI470C-1	1/4"-28 Thread	3/8"	1.0"
ATI470C-2	1/4"-28 Thread	3/8"	2.0"
ATI470C-3	1/4"-28 Thread	3/8"	3.0"
ATI470C-4	1/4"-28 Thread	3/8"	4.0"
ATI470C-5	1/4"-28 Thread	3/8"	5.0"
ATI470C-6	1/4"-28 Thread	3/8"	6.0"
ATI470C-12	1/4"-28 Thread	3/8"	12.0"



ATI470B1



**SAFETY PRECAUTION:** Read and follow all safety and operating instructions.

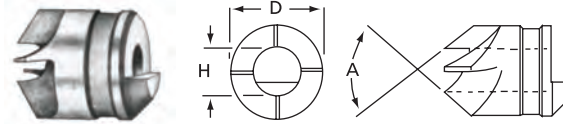
**WARNING:** Face & eye protection must be worn while operating power tools, per ANSI B186.1



**ATI402 SERIES**

Used in restricted areas where direct countersinking is not possible.  
A four-flute, one piece unit used with ATI404 Series Pilot

Part Number	Body Diameter	Pilot Hole	Angle
ATI402A-4	1/4"	1/8"	100°
ATI402B-4	1/4"	3/32"	100°
ATI402C-4	5/16"	1/8"	100°
ATI402D-4	5/16"	5/32"	100°
ATI402E-4	3/8"	3/16"	100°
ATI402F-4	3/8"	5/32"	100°
ATI402G-4	7/16"	3/16"	100°
ATI402H-4	7/16"	5/32"	100°
ATI402I-4	1/2"	3/16"	100°
ATI402J-4	1/2"	1/4"	100°
ATI402K-4	9/16"	3/16"	100°
ATI402L-4	9/16"	1/4"	100°
ATI402M-4	5/8"	1/4"	100°
ATI402N-4	5/8"	5/16"	100°
ATI402O-4	11/16"	1/4"	100°
ATI402P-4	11/16"	5/16"	100°
ATI402Q-4	3/4"	1/4"	100°
ATI402R-4	3/4"	5/16"	100°
ATI402S-4	7/8"	5/16"	100°
ATI402T-4	7/8"	3/8"	100°
ATI402U-4	1"	5/16"	100°
ATI402V-4	1"	3/8"	100°
ATI402W-4	1-1/4"	3/8"	100°
ATI402X-4	1-1/4"	1/2"	100°



**ATI590TA BACK COUNTERSINK KIT**

Compact kit for shop or field service requirement.  
Contains 8 cutters and 8 gunlock pilots.

Part No.	QTY	Part No.	QTY
ATI402B-4	1	ATI404-1	1
ATI402C-4	1	ATI404-2	1
ATI402F-4	1	ATI404-3	1
ATI402I-4	1	ATI4044	1
ATI402Q-4	1	ATI4045	1
ATI402S-4	1	ATI404-6	1
ATI402V-4	1	ATI404-7	1
ATI402X-4	1	ATI404-8	1

**BACK SPOTFACER CUTTERS**

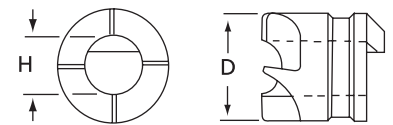
**ATI403 SERIES**

For reverse spotfacing and counterboring in confined areas where one piece straight shank tools cannot be used. Designed with four cutting edges with .030R corner radii. Used with ATI404 Series Pilots.

Part Number	Body Diameter	Pilot Hole
ATI403A	1/4"	3/32"
ATI403B	1/4"	1/8"
ATI403C	5/16"	1/8"
ATI403D	5/16"	5/32"
ATI403E	3/8"	3/16"
ATI403F	3/8"	5/32"
ATI403G	7/16"	3/16"
ATI403H	7/16"	5/32"
ATI403I	1/2"	3/16"
ATI403J	1/2"	1/4"
ATI403K	9/16"	3/16"
ATI403L	9/16"	1/4"
ATI403M	5/8"	1/4"
ATI403N	5/8"	5/16"
ATI403O	11/16"	1/4"
ATI403P	11/16"	5/16"
ATI403Q	3/4"	1/4"
ATI403R	3/4"	5/16"

ATI403S	7/8"	5/16"
ATI403T	7/8"	3/8"
ATI403U	1"	5/16"
ATI403V	1"	3/8"
ATI403W	1-1/4"	3/8"
ATI403X	1-1/4"	1/2"

Note: Other radii available upon special order



**ATI590S BACK SPOTFACER KIT**

Compact kit for shop or field service requirement.  
Contains 8 cutters and 8 gunlock pilots.

Part No.	QTY	Part No.	QTY
ATI403A	1	ATI404-1	1
ATI403C	1	ATI404-2	1
ATI403F	1	ATI404-3	1
ATI403I	1	ATI4044	1
ATI403M	1	ATI4045	1
ATI403R	1	ATI404-6	1
ATI403V	1	ATI404-7	1
ATI403X	1	ATI404-8	1



**SAFETY PRECAUTION:** Read and follow all safety and operating instructions.  
**WARNING:** Face & eye protection must be worn while operating power tools, per ANSI B186.1

# CUTTING TOOLS

## MICROSTOP COUNTERSINK CAGES



### FOR COUNTERSINK CUTTERS THREADED 1/4"-28, M6 X 1, AND M8 X 1

(Refer to ATI420, ATI438, ATI445, ATI455, ATI463, ATM6, ATM8 countersink cutters)



Microstop - Ball Bearing



Cutaway View



Microstop - Bushing



Cutaway View

### ATI444 MICROSTOPS

- For high volume, accurate countersinking in a production environment
- Full ball bearing shaft support for increased life
- Heavy duty ball thrust bearing ensures depth repeatability
- Fail-safe design accomplished with integrated shoulder on shaft
- Debris filter prevents chips and dust from contaminating bearings
- .0005" depth adjustment, 5/16" shaft travel
- Right-hand threaded lock nut prevents jamming of adjustment mechanism
- Multiple skirt configuration options
- Multiple shaft configuration options

### ATI443 MICROSTOPS

- For lower volume countersinking in maintenance and home-build environments
- Bronze bushing shaft support
- Heavy duty ball thrust bearing ensures depth repeatability
- Fail-safe design accomplished with integrated shoulder on shaft
- .0005" depth adjustment, 5/16" shaft travel
- Right-hand threaded lock nut prevents jamming of adjustment mechanism.
- Multiple skirt configuration options
- Multiple shaft configuration options

### SKIRTS:

	<b>S (ATI444-S)</b> Straight 3/4" Capacity
	<b>E (ATI444-E)</b> Straight Cutaway 3/4" Capacity
	<b>F (ATI444-F)</b> Flanged 3/4" Capacity
	<b>A (ATI444-A + ATI444-37P)</b> Phenolic Insert 3/4" Capacity
	<b>H (ATI444-A + ATI444-37NF)</b> Nylon Flange Insert 3/4" Capacity

### EXTENDED SKIRTS:

2-3/4" Extension  
(Includes extension shaft)



<b>LC (ATI444-LC)</b> 1/4-28 Female Thread 3/8 ID X 1/2 OD
<b>LD (ATI444-LD)</b> 1/4-28 Female Thread 5/8 ID X 3/4 OD

\*NON-STANDARDS AVAILABLE

**SHAFTS:** All shafts feature wrenching flats to aid in removal of cutter after use.

	<b>1 (ATI444-1)</b> 1/4-28 Female Thread 1/4 Round Shank
	<b>2 (ATI444-2)</b> 1/4-28 Female Thread 3 Chuck Flats Shank
	<b>3 (ATI444-3)</b> 1/4-28 Female Thread Quick Change Shank

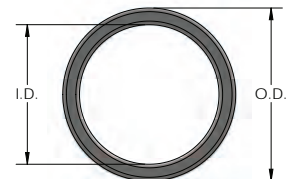
\*NON-STANDARD SKIRTS & SHAFTS AVAILABLE. CONTACT YOUR LOCAL TERRITORY MANAGER.

**ORDERING:** Choose either ATI444 or ATI443, Skirt Option, and Shaft Option.

Part Number	MODEL / SKIRT / SHAFT
Ex. ATI444G2	ATI444 + G + 2
Ex. ATI444LA4	ATI444 + LA + 4
Ex. ATI443S1	ATI443 + S + 1
Ex. ATI443A2	ATI443 + A + 2

### INSERT CHART

Part Number	O.D.	I.D.	Material	
ATI444-37P	.960	.775	Phenolic	Used with ATI444A Series Microstop
ATI444-37N	.960	.775	Nylon	Used with ATI444A or ATI444N Series Microstop
ATI444-37NF	1.25	.775	Nylon	Used with ATI444A or ATI444H Series Microstop



\*CONTACT YOUR LOCAL TERRITORY MANAGER FOR 'NON-STANDARD' MICROSTOP OPTIONS.



**SAFETY PRECAUTION:** Read and follow all safety and operating instructions. **WARNING:** Face & eye protection must be worn while operating power tools, per ANSI B186.1

### MICROSTOP FOR FEMALE-THREADED COUNTERSINK CUTTERS

Refer to AT1418 series cutters and AT1416 series pilots

#### AT1442S1

Uses 1/4"-28 threaded shaft which is split and tapered to lock replaceable pilot securely when cutter is tightened.



### MICROSTOP COUNTERSINK CAGES, SWIVEL SHAFT AT12351 SERIES

The swivel shaft design enables you to countersink with up to a 5 degree off angle between the spindle and cutter axis. Designed for use on all standard materials as well as the latest composite materials in the most demanding applications. Ball and thrust bearings for continuous high speed use and .0005 adjustable depth control. Available with 1/4"-28 or metric threads; standard or flanged skirts, optional nylon inserts.

Part Number	Description
AT12351S1	Standard Skirt, 1/4"-28 Shaft
AT12351S4	Standard Skirt, M6 Shaft
AT12351N1	Standard Skirt, 1/4"-28 Shaft, Nylon Insert
AT12351N4	Standard Skirt, M6 Shaft, Nylon Insert
AT12351F1	Flanged Skirt, 1/4"-28 Shaft
AT12351F4	Flanged Skirt, M6 Shaft
AT12351H1	Flanged Skirt, 1/4"-28 Shaft, Nylon Insert
AT12351H4	Flanged Skirt, M6 Shaft, Nylon Insert



### MICROSTOP COUNTERSINK CAGES, STUBBY

Designed for close quarter or tight access applications

#### AT1448 SERIES

- 3/32" Shaft Travel
- .001 Adjustable Depth Control

Part Number	Shaft	Max. Cutter Diameter
AT1448S1	1/4"-28	1/2"
AT1448S3	QC	1/2"



\*image shown is with quick-change shaft

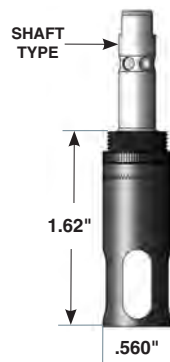
### MICROSTOP COUNTERSINK CAGES, MIDGET

Designed for close quarter or tight access applications

#### AT1449 SERIES

- 9/32" Shaft Travel
- .001 Adjustable Depth Control

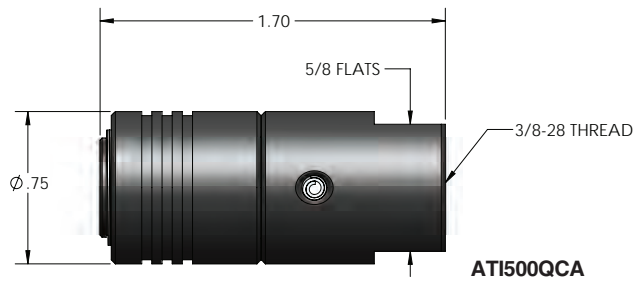
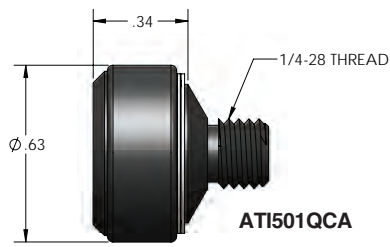
Part Number	Shaft	Max. Cutter Diameter
AT1449S1	1/4"	1/2"
AT1449S3	QC	1/2"



\*image shown is with quick-change shaft

# CUTTING TOOLS

## QUICK-CHANGE CHUCKS

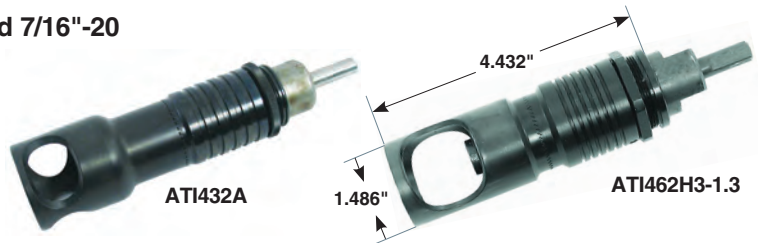


Part Number	Type	Description
ATI501QCA	STUBBY	Designed to fit any standard angle drill with 1/4"-28 threaded spindle
ATI500QCA	STANDARD	Designed to fit any standard drill motor with 3/8"-24 threaded chuck spindle

## JUMBO SIZE MICROSTOPS

### FOR COUNTERSINK CUTTERS THREADED 3/8"-24 and 7/16"-20 (Refer to ATI445 and ATI455 series countersink cutters)

- For production environment countersinking of larger sized holes
- Fail-safe design accomplished with integrated shoulder on shaft
- All shafts feature wrenching flats to aid in removal of cutter after use
- 3/4" shaft travel
- Ball thrust bearing ensures depth repeatability



Part Number	Shaft Thread	Shaft Support	Adjustment Increment	Cutter Capacity	Shank	OAL
ATI432A	7/16"-20 Female	Bronze Bushing	.001	1-1/4"	3/8" Round	7"
ATI432B	3/8"-24 Female	Bronze Bushing	.001	1-1/4"	3/8" Round	7"
ATI462	3/8"-24 Female	Bronze Bushing	.003	7/8"	3/8" Round	5"
ATI462H3-1.3	3/8"-24 Female	Ball Bearing	.0005	1-1/4"	3 Chuck Flats	5"
ATI462H3-1.5	3/8"-24 Female	Ball Bearing	.0005	1-3/8"	3 Chuck Flats	5"
ATI462H7-1.3	7/16"-20 Female	Ball Bearing	.0005	1-1/4"	3 Chuck Flats	5"
ATI462H7-1.5	7/16"-20 Female	Ball Bearing	.0005	1-3/8"	3 Chuck Flats	5"

## ELLIPTICAL FASTENER COUNTERSINK CUTTER KIT

### ATI2200CSK

This kit provides countersinking capabilities for the installation of the NAS1734 or NAS1735 elliptical head blind nuts, for fasteners -3 (#10) thru -8 (1/2") hole preparation in accordance with NAS1736. Use with common hand-held drill motors.

Kit includes ATISK2260 and ATISK2266 microstops with stabilizing rockers and four cobalt cutters.

Qty	Part Number	Description
1	ATISK2260	Microstop with wobble skirt and arm assembly, 1/4"-28 threaded shank, 1/2" maximum cutter diameter for fasteners #10, 1/4", and 5/16".
1	ATISK2266	Jumbo Microstop with wobble skirt and arm assembly, 3/8"-24 threaded shank, 3/4" maximum cutter diameter for fasteners 3/8", 7/16", and 1/2".
1	ATISK2266B	Jumbo Microstop with wobble skirt and arm assembly, 3/8"-24 threaded shank, 1-1/4" maximum cutter diameter for fasteners 3/4", 7/8" and 1-1/4".
1	C15374-3	Elliptical nut countersink assembly, #10
1	C15374-4	Elliptical nut countersink assembly, 1/4"
1	C15374-5	Elliptical nut countersink assembly, 5/16"
1	C15374-6	Elliptical nut countersink assembly, 3/8"



Other elliptical nut countersink assemblies available upon special request.

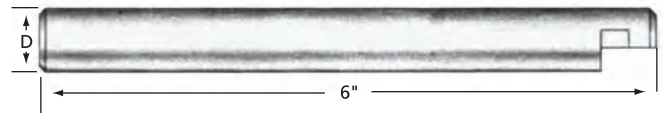


**SAFETY PRECAUTION:** Read and follow all safety and operating instructions.

**WARNING:** Face & eye protection must be worn while operating power tools, per ANSI B186.1

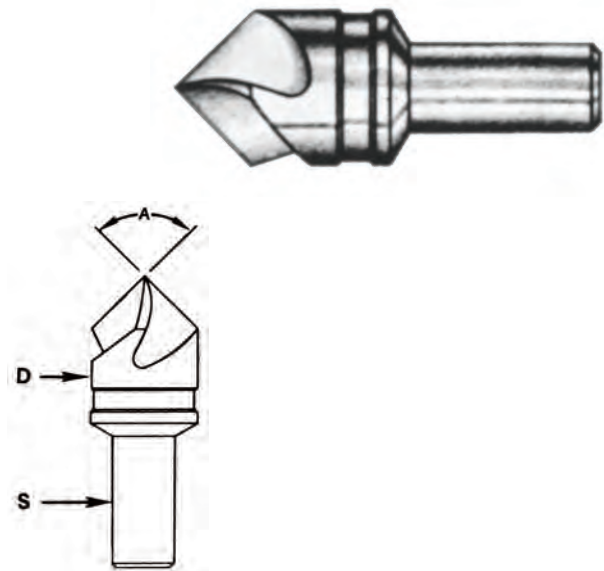
**ATI404 SERIES**

Part Number	Description	D
ATI404-1	Pilot, Bayonet Locking Type, 6" OAL	3/32
ATI404-2	Pilot, Bayonet Locking Type, 6" OAL	1/8
ATI404-3	Pilot, Bayonet Locking Type, 6" OAL	5/32
ATI4044	Pilot, Bayonet Locking Type, 6" OAL	3/16
ATI4045	Pilot, Bayonet Locking Type, 6" OAL	1/4
ATI404-6	Pilot, Bayonet Locking Type, 6" OAL	5/16
ATI404-7	Pilot, Bayonet Locking Type, 6" OAL	3/8
ATI404-8	Pilot, Bayonet Locking Type, 6" OAL	1/2

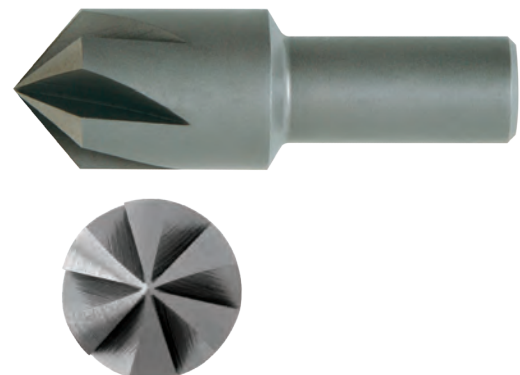

**STRAIGHT SHANK COUNTERSINK CUTTER**
**ATI408 SERIES**

Specifically designed for countersinking. This cutter has three straight flutes accurately sharpened to prevent chatter.

Part Number	D	S	Angle
ATI408A-2	1/4	3/16	82°
ATI408A-4	1/4	3/16	100°
ATI408B-2	5/16	1/4	82°
ATI408B-4	5/16	1/4	100°
ATI408C-2	3/8	1/4	82°
ATI408C-4	3/8	1/4	100°
ATI408D-2	7/16	1/4	82°
ATI408D-4	7/16	1/4	100°
ATI408E-2	1/2	1/4	82°
ATI408E-4	1/2	1/4	100°
ATI408F-2	5/8	3/8	82°
ATI408F-4	5/8	3/8	100°
ATI408G-2	3/4	3/8	82°
ATI408G-4	3/4	3/8	100°
ATI408H-2	1	3/8	82°
ATI408H-4	1	3/8	100°


**6-FLUTE COUNTERSINK CUTTER, STRAIGHT SHANK**

Part Number	Body Diameter	Shank Diameter	Angle
ATI408AZ6F3	1/4	3/16	90°
ATI408AZ6F4	1/4	3/16	100°
ATI408CA6F0	3/8	1/4	60°
ATI408CA6F4	3/8	1/4	100°
ATI408CB6F0	3/8	5/16	60°
ATI408EC6F4	1/2	3/8	100°
ATI408FC6F-4	9/16	3/8	100°
ATI408GC6F0	5/8	3/8	60°
ATI408GC6F3	5/8	3/8	90°
ATI408GC6F4	5/8	3/8	100°



## CUTTING TOOLS

### STOP COUNTERSINK CUTTERS



#### ATI418 SERIES, 1/4"-28 THREADS

Used with ATI442S1 microstop

Three straight flute replaceable pilot cutters with female thread. These cutters are designed with extra deep flute to permit resharpener and radial clearance to assure fast smooth cutting. Other cutter angles available upon special request.



Part Number	Cutter Diameter	Pilot Hole	Angle
ATI418A-4	1/4	.086	100°
ATI418B-4	5/16	.086	100°
ATI418C-4	3/8	.086	100°
ATI418D-4	7/16	.086	100°
ATI418E4	1/2	.086	100°
ATI418F4	9/16	.086	100°
ATI418G4	5/8	.086	100°

For replaceable pilots, refer to ATI416 Series.

## PILOTS

#### ATI416 SERIES

To maintain concentricity and prevent breakage, an undercut is provided to permit head-to-seat on cutter angle.



Part Number	D	Part Number	D
ATI416-2	#40	ATI416-57	1/8
ATI416-12	#30	ATI416-59	5/32
ATI416-21	#21	ATI416-61	3/16
ATI416-31	#11	ATI416-63	7/32
ATI416-32	#10	ATI416-65	1/4
ATI416-56	3/32	ATI416-69	5/16

Used with ATI418 Series cutter.

## CHATTERLESS COUNTERSINK CUTTER

#### ATI463 SERIES, 1/4"-28 THREADS

These precision cutters are the ultimate in chatterless countersinking. The minimum cutter diameter has been calculated to eliminate skin damage and the undercut on the flutes provides ease in chip removal. Made of M42 material for stainless steel or titanium.

Part Number	Body Diameter	Pilot Diameter	Angle	AN426 Rivet Size Ref.
ATI463145065	.145	.065	100°	1/16
ATI463210096	.210	.096	100°	3/32
ATI463256126	.256	.1265	100°	1/8
ATI463317157	.317	.157	100°	5/32
ATI463385191	.385	.1915	100°	3/16
ATI463507247	.507	.247	100°	1/4
ATI463595309	.595	.309	100°	5/16

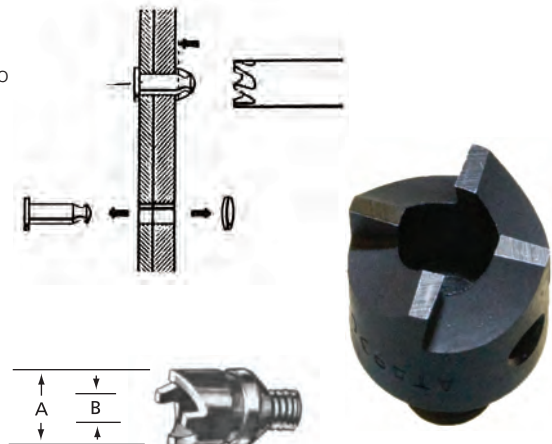


## HOLLOW CUTTERS

#### ATI493 SERIES, 1/4"-28 THREADED SHANK FOR REMOVING HUCK AND HI-SHEAR FASTENERS

These cutters are designed to fit standard microstops to control their cutting depth. Used to cut away the swaged collar from the fastener so the pin can be easily removed.

Part Number	Dimension "A"	Dimension "B"	Shank	Fastener Type	Size
ATI493C-0	.365	.124	1/4-28	HI-SHEAR	1/8
ATI493C-00	.365	.157	1/4-28	HI-SHEAR	5/32
ATI493C-1	.438	.188	1/4-28	HI-SHEAR	3/16
ATI493C-2	.500	.247	1/4-28	HI-SHEAR	1/4
ATI493C-3	.562	.310	1/4-28	HI-SHEAR	5/16
ATI493D-1	.323	.188	1/4-28	HUCK LOCK BOLT	L6
ATI493D-3	.413	.250	1/4-28	HUCK LOCK BOLT	L8



- ATI precision hole saws are manufactured from high-speed tool steel
- Hole saws are heat-treated and ground to precise tolerances
- Hole saw design allows for resharpening of tool
- Use with ATI415 Hole Saw Arbors

**FINE TOOTH SERIES**

For cutting thin skins and corrugations in aluminum, steel, and other non-ferrous material. The hole saw can be resharpened many times and is designed for use in a portable power unit or in standard machine tools.



**ATI413 SERIES**

Part Number	Diameter	Thread
ATI413-1	3/8	5/16-24
ATI413-1X	---	5/16-24
ATI413-2	7/16	5/16-24
ATI4132X	---	5/16-24
ATI413-3	1/2	5/16-24
ATI413-3X	---	5/16-24
ATI413-4	9/16	5/16-24
ATI413-4X	---	5/16-24
ATI413-5	5/8	5/16-24
ATI4135X	---	5/16-24
ATI4136	11/16	5/16-24
ATI413-6X	---	5/16-24
ATI413-7	3/4	5/16-24
ATI4137X	---	5/16-24
ATI413-8	13/16	5/16-24
ATI413-8X	---	5/16-24
ATI413-9	7/8	5/16-24
ATI4139X	---	5/16-24
ATI41310	15/16	5/16-24
ATI41310X	---	5/16-24
ATI413-11	1	5/16-24
ATI413-11X	---	5/16-24
ATI413-12	1-1/16	5/16-24
ATI413-12X	---	5/16-24
ATI413-13	1-1/8	5/16-24
ATI413-13X	---	5/16-24
ATI413-14	1-3/16	5/16-24
ATI413-14X	---	5/16-24
ATI413-15	1-1/4	5/16-24
ATI413-15X	---	5/16-24
ATI413-16	1-5/16	5/16-24
ATI413-16X	---	5/16-24
ATI41317	1-3/8	5/16-24
ATI413-17X	---	5/16-24
ATI413-18	1-7/16	5/16-24
ATI413-18X	---	5/16-24
ATI41319	1-1/2	1/2-20
ATI413-19X	---	1/2-20
ATI413-20	1-9/16	1/2-20
ATI413-20X	---	1/2-20
ATI413-21	1-5/8	1/2-20
ATI413-21X	---	1/2-20
ATI413-22	1-11/16	1/2-20
ATI413-22X	---	1/2-20

Part Number	Diameter	Thread
ATI41323	1-3/4	1/2-20
ATI413-23X	---	1/2-20
ATI41324	1-13/16	1/2-20
ATI413-24X	---	1/2-20
ATI413-25	1-7/8	1/2-20
ATI413-25X	---	1/2-20
ATI413-26	1-15/16	1/2-20
ATI413-26X	---	1/2-20
ATI413-27	2	1/2-20
ATI413-27X	---	1/2-20
ATI413-28	2-1/16	1/2-20
ATI413-28X	---	1/2-20
ATI413-29	2-1/8	1/2-20
ATI413-29X	---	1/2-20
ATI41330	2-3/16	1/2-20
ATI413-30X	---	1/2-20
ATI413-31	2-1/4	1/2-20
ATI413-31X	---	1/2-20
ATI413-32	2-5/16	1/2-20
ATI413-32X	---	1/2-20
ATI413-33	2-3/8	1/2-20
ATI413-33X	---	1/2-20
ATI413-34	2-7/16	1/2-20
ATI413-34X	---	1/2-20
ATI413-35	2-1/2	1/2-20
ATI413-35X	---	1/2-20
ATI413-36	2-9/16	1/2-20
ATI413-36X	---	1/2-20
ATI413-37	2-5/8	1/2-20
ATI413-37X	---	1/2-20
ATI413-38	2-11/16	1/2-20
ATI413-38X	---	1/2-20
ATI413-39	2-3/4	1/2-20
ATI413-39X	---	1/2-20
ATI413-40	2-13/16	1/2-20
ATI413-40X	---	1/2-20
ATI413-41	2-7/8	1/2-20
ATI413-41X	---	1/2-20
ATI413-42	2-15/16	1/2-20
ATI413-42X	---	1/2-20
ATI413-43	3	1/2-20
ATI413-43X	---	1/2-20
ATI413-44	3-1/16	1/2-20
ATI413-44X	---	1/2-20

Part Number	Diameter	Thread
ATI413-45	3-1/8	1/2-20
ATI413-45X	---	1/2-20
ATI413-46	3-3/16	1/2-20
ATI413-46X	---	1/2-20
ATI413-47	3-1/4	1/2-20
ATI413-47X	---	1/2-20
ATI413-48	3-5/16	1/2-20
ATI413-48X	---	1/2-20
ATI413-49	3-3/8	1/2-20
ATI413-49X	---	1/2-20
ATI413-50	3-7/16	1/2-20
ATI413-50X	---	1/2-20
ATI413-51	3-1/2	1/2-20
ATI413-51X	---	1/2-20
ATI413-52	3-9/16	1/2-20
ATI413-52X	---	1/2-20
ATI413-53	3-5/8	1/2-20
ATI413-53X	---	1/2-20
ATI413-54	3-11/16	1/2-20
ATI413-54X	---	1/2-20
ATI413-55	3-3/4	1/2-20
ATI413-55X	---	1/2-20
ATI41356	3-13/16	1/2-20
ATI413-56X	---	1/2-20
ATI413-57	3-7/8	1/2-20
ATI413-57X	---	1/2-20
ATI413-58	3-15/16	1/2-20
ATI413-58X	---	1/2-20
ATI413-59	4	1/2-20

**\*MANY NON-STANDARD SIZES AVAILABLE. CONTACT YOUR LOCAL TERRITORY MANAGER.**



**SAFETY PRECAUTION:** Read and follow all safety and operating instructions.  
**WARNING:** Face & eye protection must be worn while operating power tools, per ANSI B186.1

# CUTTING TOOLS

## HOLE SAWS



### COARSE TOOTH SERIES

This tooth configuration is designed to effect fast cutting of aluminum and steel. When the correct speed and feed is used, this hole saw will cut close tolerance holes even in Titanium.



**ATI474 SERIES**

Part Number	Diameter	Thread
ATI474-1	3/8	5/16-24
ATI474-1X	---	5/16-24
ATI474-2	7/16	5/16-24
ATI474-2X	---	5/16-24
ATI474-3	1/2	5/16-24
ATI4743X	---	5/16-24
ATI474-4	9/16	5/16-24
ATI474-4X	---	5/16-24
ATI474-5	5/8	5/16-24
ATI474-5X	---	5/16-24
ATI474-6	11/16	5/16-24
ATI4746X	---	5/16-24
ATI474-7	3/4	5/16-24
ATI474-7X	---	5/16-24
ATI474-8	13/16	5/16-24
ATI474-8X	---	5/16-24
ATI474-9	7/8	5/16-24
ATI4749X	---	5/16-24
ATI474-10	15/16	5/16-24
ATI474-10X	---	5/16-24
ATI474-11	1	5/16-24
ATI47411X	---	5/16-24
ATI474-12	1-1/16	5/16-24
ATI47412X	---	5/16-24
ATI474-13	1-1/8	5/16-24
ATI47413X	---	5/16-24
ATI474-14	1-3/16	5/16-24
ATI47414X	---	5/16-24
ATI474-15	1-1/4	5/16-24
ATI47415X	---	1/2-20
ATI474-16	1-5/16	1/2-20
ATI47416X	---	1/2-20
ATI474-17	1-3/8	1/2-20
ATI474-17X	---	1/2-20
ATI474-18	1-7/16	1/2-20
ATI474-18X	---	1/2-20
ATI474-19	1-1/2	1/2-20
ATI474-19X	---	1/2-20
ATI474-20	1-9/16	1/2-20
ATI47420X	---	1/2-20
ATI474-21	1-5/8	1/2-20
ATI47421X	---	1/2-20
ATI474-22	1-11/16	1/2-20
ATI47422X	---	1/2-20
ATI474-23	1-3/4	1/2-20
ATI47423X	---	1/2-20
ATI474-24	1-13/16	1/2-20
ATI474-24X	---	1/2-20

Part Number	Diameter	Thread
ATI474-25	1-7/8	1/2-20
ATI47425X	---	1/2-20
ATI474-26	1-15/16	1/2-20
ATI474-26X	---	1/2-20
ATI474-27	2	1/2-20
ATI474-27X	---	1/2-20
ATI474-28	2-1/16	1/2-20
ATI474-28X	---	1/2-20
ATI474-29	2-1/8	1/2-20
ATI474-29X	---	1/2-20
ATI474-30	2-3/16	1/2-20
ATI474-30X	---	1/2-20
ATI474-31	2-1/4	1/2-20
ATI47431X	---	1/2-20
ATI474-32	2-5/16	1/2-20
ATI474-32X	---	1/2-20
ATI474-33	2-3/8	1/2-20
ATI474-33X	---	1/2-20
ATI47434	2-7/16	1/2-20
ATI474-34X	---	1/2-20
ATI474-35	2-1/2	1/2-20
ATI474-35X	---	1/2-20
ATI47436	2-9/16	1/2-20
ATI47436X	---	1/2-20
ATI47437	2-5/8	1/2-20
ATI474-37X	---	1/2-20
ATI474-38	2-11/16	1/2-20
ATI474-38X	---	1/2-20
ATI474-39	2-3/4	1/2-20
ATI474-39X	---	1/2-20
ATI474-40	2-13/16	1/2-20
ATI474-40X	---	1/2-20
ATI474-41	2-7/8	1/2-20
ATI474-41X	---	1/2-20
ATI474-42	2-15/16	1/2-20
ATI474-42X	---	1/2-20
ATI474-43	3	1/2-20
ATI47443X	---	1/2-20
ATI47444	3-1/16	1/2-20
ATI474-44X	---	1/2-20
ATI47445	3-1/8	1/2-20
ATI47445X	---	1/2-20
ATI47446	3-3/16	1/2-20
ATI474-46X	---	1/2-20
ATI474-47	3-1/4	1/2-20
ATI474-47X	---	1/2-20
ATI474-48	3-5/16	1/2-20
ATI474-48X	---	1/2-20

Part Number	Diameter	Thread
ATI47449	3-3/8	1/2-20
ATI474-49X	---	1/2-20
ATI474-50	3-7/16	1/2-20
ATI474-50X	---	1/2-20
ATI474-51	3-1/2	1/2-20
ATI474-51X	---	1/2-20
ATI474-52	3-9/16	1/2-20
ATI474-52X	---	1/2-20
ATI474-53	3-5/8	1/2-20
ATI474-53X	---	1/2-20
ATI47454	3-11/16	1/2-20
ATI474-54X	---	1/2-20
ATI474-55	3-3/4	1/2-20
ATI474-55X	---	1/2-20
ATI47456	3-13/16	1/2-20
ATI474-56X	---	1/2-20
ATI474-57	3-7/8	1/2-20
ATI474-57X	---	1/2-20
ATI474-58	3-15/16	1/2-20
ATI474-58X	---	1/2-20
ATI474-59	4	1/2-20

### HOLE SAW ARBORS

- Pilot and shank are ground to ensure tight concentricity
- Use with ATI413 and ATI474 hole saws



**ATI415-1**

Part Number	Shank Diameter	Pilot Diameter	Thread
ATI415-0	1/4	3/16	5/16-24
ATI415-1	1/4	1/4	5/16-24
ATI415-2	1/2	1/4	1/2-20
ATI415-3	1/2	3/8	1/2-20
ATI415-10	1/4	1/4	1/2-20
ATI415-5	1/4" 3CF	1/4	5/16-24





- Aircraft style, straight shank counterbores are used to cut flat areas or recesses for bolt heads and nuts
- Use with ATI489 replaceable counterbore pilots
- A set screw ensures pilot stays in the counterbore
- Standard counterbores have no corner radius

Note: Corner radius available upon special order.

Part Number	Diameter	Pilot Hole Diameter	Shank Diameter
ATI488C-0	3/16	3/32	1/4
ATI488C-1	1/4	3/32	1/4
ATI488C-2	9/32	3/32	1/4
ATI488C-3	5/16	3/32	1/4
ATI488C-4	11/32	3/32	1/4
ATI488C-5	3/8	3/32	1/4
ATI488C-6	13/32	1/8	1/4
ATI488C-7	7/16	1/8	1/4
ATI488C-8	15/32	1/8	1/4
ATI488C-9	1/2	1/8	1/4
ATI488C-10	17/32	1/8	1/4
ATI488C-11	9/16	1/8	1/4

Part Number	Diameter	Pilot Hole Diameter	Shank Diameter
ATI488C-12	19/32	1/8	1/4
ATI488C-13	5/8	1/8	1/4
ATI488C-14	21/32	3/16	1/4
ATI488C-15	11/16	3/16	1/4
ATI488C-16	23/32	3/16	1/4
ATI488C-17	3/4	3/16	1/4
ATI488C-18	25/32	3/16	1/4
ATI488C-19	13/16	3/16	1/4
ATI488C-20	27/32	3/16	1/4
ATI488C-21	7/8	3/16	1/4
ATI488C-22	29/32	3/16	1/4
ATI488C-23	15/16	3/16	1/4
ATI488C-24	31/32	3/16	1/4



ATI488C-21

Part Number	Diameter	Pilot Hole Diameter	Shank Diameter
ATI488C-25	1	3/16	1/4
ATI488C-26	1 1/16	3/16	3/8
ATI488C-27	1 1/8	3/16	3/8
ATI488C-28	1 3/16	3/16	3/8
ATI488C-29	1 1/4	3/16	3/8
ATI488C-30	1 5/16	3/16	3/8
ATI488C-31	1 3/8	3/16	3/8
ATI488C-32	1 1/2	3/16	3/8

## COUNTERBORE PILOTS

- Use these pilots with ATI488C counterbores
- Match the shank diameter of the pilot to the pilot hole diameter of the counterbore

Part Number	Pilot Diameter	Shank Diameter
ATI489A-1	3/32	3/32
ATI489A-2	1/8	3/32
ATI489A-3	5/32	3/32
ATI489A-4	#21	3/32
ATI489A-5	3/16	3/32
ATI489A-6	#10	3/32
ATI489A-7	7/32	3/32
ATI489A-8	1/4	3/32
ATI489A-9	F	3/32
ATI489A-10	9/32	3/32
ATI489A-11	5/16	3/32

Part Number	Pilot Diameter	Shank Diameter
ATI489B-2	1/8	1/8
ATI489B-3	5/32	1/8
ATI489B-4	#21	1/8
ATI489B-5	3/16	1/8
ATI489B-6	#10	1/8
ATI489B-7	7/32	1/8
ATI489B-8	1/4	1/8
ATI489B-9	F	1/8
ATI489B-10	9/32	1/8
ATI489B-11	5/16	1/8
ATI489B-12	11/32	1/8
ATI489B-13	3/8	1/8
ATI489B-14	13/32	1/8
ATI489B-15	7/16	1/8
ATI489B-16	15/32	1/8
ATI489B-17	1/2	1/8

Part Number	Pilot Diameter	Shank Diameter
ATI489C-5	3/16	3/16
ATI489C-6	#10	3/16
ATI489C-7	7/32	3/16
ATI489C-8	1/4	3/16
ATI489C-9	F	3/16
ATI489C-10	9/32	3/16
ATI489C-11	5/16	3/16
ATI489C-12	11/32	3/16
ATI489C-13	3/8	3/16
ATI489C-14	13/32	3/16
ATI489C-15	7/16	3/16
ATI489C-16	15/32	3/16
ATI489C-17	1/2	3/16
ATI489C-18	17/32	3/16
ATI489C-19	9/16	3/16
ATI489C-20	19/32	3/16
ATI489C-21	5/8	3/16
ATI489C-22	21/32	3/16
ATI489C-23	11/16	3/16
ATI489C-24	23/32	3/16
ATI489C-25	3/4	3/16



ATI489B-8

## COUNTERBORE EXTENSION

Counterbore extensions are precision ground to insure concentricity. Used for counterboring in recesses or tight access areas where a longer shank is required.

Part Number	Shank Diameter	"L"
ATI470A-1	1/4"	4"
ATI470A-2	1/4"	6"



ATI470A-1



**SAFETY PRECAUTION:** Read and follow all safety and operating instructions.

**WARNING:** Face & eye protection must be worn while operating power tools, per ANSI B186.1

## CUTTING TOOLS

### SIoux RIVET SHAVERS



#### Performance:

Power: 0.6 hp (0.45 kW) - 1 hp (0.75 kW)  
Speed: 21,000 rpm

#### Features:

0.0005" Locking Depth Increments  
Spindle Lock  
SRS6P E-Z Set and Lock  
SRS10P Locking Collar with Reference Marks



#### Rivet Shavers



Model Number	Cutter Diameter		Free Speed rpm	Weight		Length		Side to Center		Air Consumption	
	in	mm		lb	kg	in	mm	in	mm	scfm	l/s
<b>0.6 hp (0.45 kW) – Pistol Grip – 1/4"-28 Internal Thread</b>											
SRS6P21-5	5/16	8	21000	2.0	0.9	6.5	165	0.8	21	25	12
SRS6P21-6	3/8	10	21000	2.0	0.9	6.5	165	0.8	21	25	12
SRS6P21-7	7/16	11	21000	2.0	0.9	6.5	165	0.8	21	25	12
SRS6P21-8	1/2	13	21000	2.0	0.9	6.5	165	0.8	21	25	12
SRS6P21-9	9/16	14	21000	2.0	0.9	6.5	165	0.8	21	25	12
SRS6P21-10	5/8	16	21000	2.0	0.9	6.5	165	0.8	21	25	12
SRS6P21-9W	9/16	14	21000	2.0	0.9	6.5	165	0.8	21	25	12
<b>1 hp (0.75 kW) – Pistol Grip – 1/4"-28 Internal Thread</b>											
SRS10P21-5	5/16	8	21000	2.7	1.2	8.0	205	0.9	23	25	12
SRS10P21-6	3/8	10	21000	2.7	1.2	8.0	205	0.9	23	25	12
SRS10P21-7	7/16	11	21000	2.7	1.2	8.0	205	0.9	23	25	12
SRS10P21-8	1/2	13	21000	2.7	1.2	8.0	205	0.9	23	25	12
SRS10P21-9	9/16	14	21000	2.7	1.2	8.0	205	0.9	23	25	12
SRS10P21-10	5/8	16	21000	2.7	1.2	8.0	205	0.9	23	25	12

**General:** Air Inlet Size: 1/4" NPT • Recommended Hose Size: 3/8" (10 mm) • Performance rated @ 90 psig (6.2 bar) air pressure

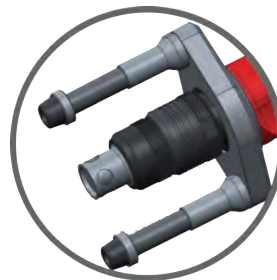
**Standard Equipment:** Parts List • Safety and Instruction Manual • Skirt • Comfort Grip • Stabilizer (SRS10P) • Cutters Not Included

### RIVET SHAVER SKIRTS AND STABILIZER

Part Number	Cutter Diameter	
	in	mm
2925-5	5/16	8
2925-6	3/8	10
2925-7	7/16	11
2925-8B	1/2	13
2925-9	9/16	14
2925-9W	9/16	14
2925-10	5/8	16



2925-8B



74274A

Part Number	For Use On
74274A	SRS6P21 series

### MICRO MILLER CUTTERS

#### ATI429 SERIES

A carbide insert cutter to ensure a hard cutting edge and precision ground to produce a chatter-free cut.

Part Number (Cutter)	Diameter
ATI429B-0	1/4"
ATI429B-1	5/16"
ATI429B2	3/8"
ATI429B-3	7/16"
ATI429B-4	1/2"
ATI429B-5	9/16"
ATI429B-6	5/8"
ATI429B-7	3/4"



ATI429B-6



**SAFETY PRECAUTION:** Read and follow all safety and operating instructions.

**WARNING:** Face & eye protection must be worn while operating power tools, per ANSI B186.1

The locking microstop design allows an operator to hold the tool comfortably without concern for unintentionally changing the shaver depth. The depth of the cutter can be adjusted in .0005 inch increments.



SRS6P21-K

**Rivet Shaver Kit Includes:**

- SRS6P21 Tool
- Case
- 74274A Stabilizer
- 5 Skirts:
  - 5/16"
  - 3/8"
  - 7/16"
  - 1/2"
  - 5/8"

**Rivet Shaver Kit**



Model Number	Cutter Diameter		Free Speed	Tool Weight		Tool Length		Side to Center		Maximum Air Consumption	
	in	mm	rpm	lb	kg	in	mm	in	mm	scfm	l/s
SRS6P21-K	3/8	10	21,000	2.0	0.9	6.5	165	0.8	21	25	12

**General:** Air Inlet Size: 1/4" NPT • Recommended Hose Size: 3/8" (10 mm) • Performance rated @ 90 psig (6.2 bar) air pressure  
**Standard Equipment:** Parts List • Safety and Instruction Manual • Skirt • Comfort Grip (Pistol Grip models)

There is now a faster, safer, more effective way to remove aircraft sealants with minimal effect on paint, primer or aircraft metal. The new Sioux Aircraft Sealant Removal Tool runs at 800 RPM and is designed for use with the SR Cutters. The SR cutters included in the kit are a plastic rotary cutting tool with a 1/4 - 28 threaded steel mandrel. The cutters thread directly into the output spindle on the drills and are ideal for close quarters applications. The Sioux Aircraft Sealant Removal Kits will eliminate the need to use chemical solvents, which raise health, safety and environmental concerns and are messy to clean up.

**SEALANT REMOVAL KITS**



SDR4A8SF-SRK

**Sealant Removal Kit Includes:**

- SDR4A8 Drill Motor
- 90° and/or 45° Heads
- 5pc SR40 Cutters
- 5pc SR83 Cutters
- Case

**Sealant Removal Kits**



Model Number	Free Speed	Tool Weight		Tool Length		Side to Center		Air Consumption		Spindle Internal Thread
	rpm	lb	kg	in	mm	in	mm	scfm	l/s	
<b>Sealant Removal Kit with 90° &amp; 45° Head – 0.4 hp (0.30 kW)</b>										
SDR4A8SF-SRK	800	2.1	0.94	10.0	255	0.7	20	21	10	1/4"-28
<b>Sealant Removal Kit with 45° Head – 0.4 hp (0.30 kW)</b>										
SDR4A8F-SRK	800	2.0	0.92	10.3	260	0.7	20	21	10	1/4"-28
<b>Sealant Removal Kit with 90° Head – 0.4 hp (0.30 kW)</b>										
SDR4A8S-SRK	800	2.1	0.94	10.0	255	0.7	20	21	10	1/4"-28

**General:** Air Inlet Size: 1/4" NPT • Recommended Hose Size: 3/8" (10 mm) • Performance rated @ 90 psig (6.2 bar) air pressure  
**Standard Equipment:** Parts List • Safety and Instruction Manual



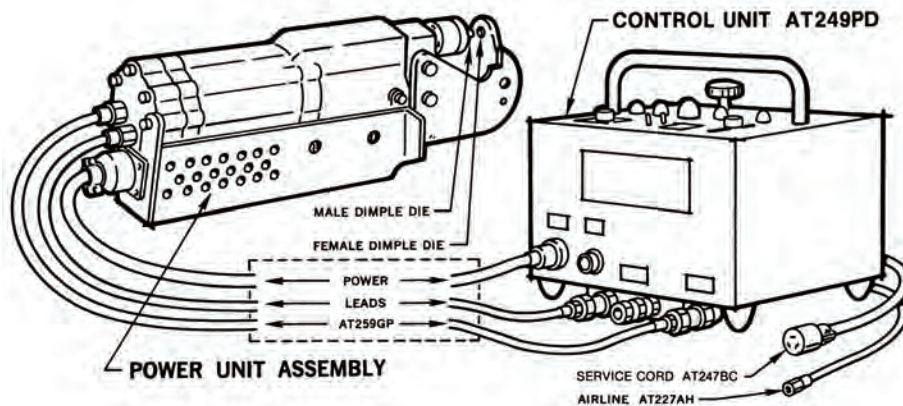
**SAFETY PRECAUTION:** Read and follow all safety and operating instructions.  
**WARNING:** Face & eye protection must be worn while operating power tools, per ANSI B186.1

## HOT AND COLD DIMPLING TOOLS AND EQUIPMENT

Since the inception of hot dimpling, ATI has been a prime supplier to government agencies and airframe industries throughout the world. Our flow-form method provides a sharp definition, superior strength and complete interne stability. The tools have been engineered to speed and facilitate dimpling production and to unite skill in operation. All hot dimple dies are made from high-grade tool steel, manufactured to precise tolerances, and hard-chrome plated to assure uniform heat transfer and long life.



COLD DIMPLE DIE KIT



PORTABLE HOT DIMPLING



AT11206-6

**FLAT CHISEL, GUN TYPE**

Part Number	Length	Shank Diameter
AT11206-6	6-3/4"	.401
AT11206-8	8"	.401
AT11206-10	10"	.401
AT11206-12	12"	.401



AT12165-2

**GUN TYPE CHISEL FOR HUCK® LOCKBOLTS**

Part Number	Lockbolt Size	Length	Shank Diameter
AT12165-2	5/32"	5-1/2"	.401
AT12165-3	3/16"	5-1/2"	.401
AT12165-4	1/4"	5-1/2"	.401
AT12165-5	5/16"	5-1/2"	.401
AT12165-6	3/8"	5-1/2"	.401



Hi-Shear® Knockout Punch

**KNOCK-OUT PUNCH, HI-SHEAR®**

Part Number	Rivet Size	Length	Shank Diameter
AT1140A-3	3/32"	3-1/2"	.401
AT1140A341/4	3/32"	4-1/4"	.401
AT1140A-3MM	3MM	3-1/2"	.401
AT1140A-4	1/8"	3-1/2"	.401
AT1140A441/4	1/8"	4-1/4"	.401
AT1140A-5	5/32"	3-1/2"	.401
AT1140A541/4	5/32"	4-1/4"	.401
AT1140A-6	3/16"	3-1/2"	.401
AT1140A641/4	3/16"	4-1/4"	.401
AT1140A-5MM	5MM	3-1/2"	.401
AT1140A-6MM	6MM	3-1/2"	.401
AT1140A-8	1/4"	3-1/2"	.401
AT1140A841/4	1/4"	4-1/4"	.401
AT1140A-10	5/16"	3-1/2"	.401
AT1140A-12	3/8"	4-1/2"	.401
AT1140B-6	3/16"	3-1/2"	.498
AT1140B-8	1/4"	3-1/2"	.498
AT1140B-10	5/16"	3-1/2"	.498
AT1140B-12	3/8"	4-1/2"	.498



Standard Knockout Punch

**KNOCK-OUT PUNCH, STANDARD**

Part Number	Rivet Size	Length	Shank Diameter
AT1141A33/32	3/32"	3-1/2"	.401
AT1141A31/8	1/8"	3-1/2"	.401
AT1141A35/32	5/32"	3-1/2"	.401
AT1141A33/16	3/16"	3-1/2"	.401
AT1141A37/32	7/32"	3-1/2"	.401
AT1141A31/4	1/4"	3-1/2"	.401
AT1141A35/16	5/16"	3-1/2"	.401
AT1141A33/8	3/8"	3-1/2"	.401
AT1141B33/16	3/16"	3-1/2"	.498
AT1141B31/4	1/4"	3-1/2"	.498
AT1141B35/16	5/16"	3-1/2"	.498
AT1141B33/8	3/8"	3-1/2"	.498



**SKIN WEDGE**

Commonly referred to as Superman's fingernail, this durable skin wedge tool is perfect for separating two pieces of sheet metal. Made from 4140 steel and heat-treated to allow slight flexibility.

Part Number	Material	Length	Width	Thickness
AT114085	4140	7"	1"	1/4"



**SAFETY PRECAUTION:** Read and follow all safety and operating instructions.  
**WARNING:** Face & eye protection must be worn while operating power tools, per ANSI B186.1

## PUNCH AND DIES

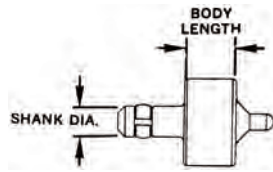
### DIMPLE DIES FOR COLD DIMPLING



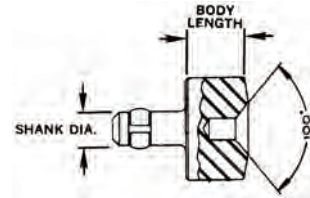
- Dimple Dies are made from heat-treated tool steel, ground, and polished
- Shank diameter is 3/16" and features a spring clip to keep dies in place during use
- For AN426 rivets



ATI206A-6-R



ATI207A-5-R



Rivet Size		3/32"			1/8"		
Type		Male	Female	Male & Female	Male	Female	Male & Female
Body Length	1/4"	ATI206A-3-P	ATI207A-3-P	ATI207206A3P	ATI206A-4-P	ATI207A-4-P	ATI207206A4P
	3/8"	ATI206A-3-R	ATI207A-3-R	ATI207206A3R	ATI206A-4-R	ATI207A-4-R	ATI207206A4R
	1/2"	ATI206A-3-S	ATI207A-3-S	ATI207206A3S	ATI206A-4-S	ATI207A-4-S	ATI207206A4S
	5/8"	ATI206A-3-T	ATI207A-3-T				

Rivet Size		5/32"			3/16"			1/4"	
Type		Male	Female	Male & Female	Male	Female	Male & Female	Male	Female
Body Length	1/4"	ATI206A-5-P	ATI207A-5-P	ATI207206A5P	ATI206A-6-P	ATI207A-6-P	ATI207206A6P	ATI206A-8-P	ATI207A-8-P
	3/8"	ATI206A-5-R	ATI207A-5-R	ATI207206A5R	ATI206A-6-R	ATI207A-6-R	ATI207206A6R	ATI206A-8-R	ATI207A-8-R
	1/2"	ATI206A-5-S	ATI207A-5-S		ATI206A-6-S	ATI207A-6-S	ATI207206A6S		
	5/8"								

Included in 24 Piece Kit

### DIMPLE DIE KIT

#### ATI206A-24PC

- Kit contains 24 male and female dimple dies for use with hand and stationary rivet squeezers
- Dies contained in a sturdy, tool-control style box

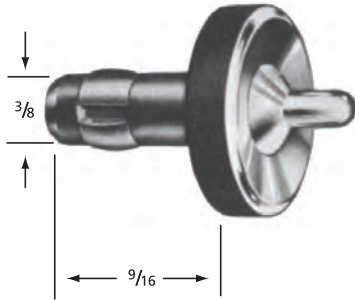


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**WARNING:** Face & eye protection must be worn while operating power tools, per ANSI B186.1

**MALE DIMPLE DIES**

For use with ATI256SS Stationary Dimpling Machine or ATI259 Portable Dimpling Squeezer.



Fastener	Part Number	Size	Pilot Drill Size
<b>AN426 RIVET</b>	ATI252DA-3	3/32"	#40
	ATI252DA-4	1/8"	#30
	ATI252DA-5	5/32"	#21
	ATI252DA-6	3/16"	#10
	ATI252DA-8	1/4"	1/4"
	ATI252DA10	5/16"	5/16"
<b>AN509 SCREW</b>	ATI252DB-8	#8	#36
	ATI252DB-10	#10	#30
	ATI252DB-12	1/4"	#19
<b>HI-SHEAR RIVET</b>	ATI252DC-3	3/16"	#30
	ATI252DC-4	1/4"	#19
	ATI252DC-5	5/16"	#5
<b>DZUS STUD</b>	ATI252DD-8	FA5	5/16"
<b>DZUS STUD</b>	ATI252DD-9	FA6-1/2"	7/16"
<b>DZUS SPRING</b>	ATI252DD-10	FA5	5/16"
<b>DZUS SPRING</b>	ATI252DD-12	FA6-1/2"	7/16"
<b>AIRLOC</b>	ATI252DD-2	7/32"	7/32"
	ATI252DD-5	5/16"	5/16"
	ATI252DD-7	3/8"	3/8"

**FEMALE DIMPLE DIES**



For use with ATI256SS Stationary Dimpling Machine.

Fastener	Part Number	Size	Pilot Drill Size
<b>AN426 RIVET</b>	ATI254DA-3	3/32"	#40
	ATI254DA-4	1/8"	#30
	ATI254DA-5	5/32"	#21
	ATI254DA-6	3/16"	#10
	ATI254DA-8	1/4"	1/4"
	ATI254DA10	5/16"	5/16"
<b>AN509 SCREW</b>	ATI254DB-8	#8	#36
	ATI254DB-10	#10	#30
	ATI254DB-12	1/4"	#19
<b>HI-SHEAR RIVET</b>	ATI254DC-3	3/16"	#30
	ATI254DC-4	1/4"	#19
	ATI254DC-5	5/16"	#5
<b>DZUS STUD</b>	ATI254DD-8	FA5	5/16"
<b>DZUS STUD</b>	ATI254DD-9	FA6-1/2"	7/16"
<b>DZUS SPRING</b>	ATI254DD-10	FA5	5/16"
<b>DZUS SPRING</b>	ATI254DD-12	FA6-1/2"	7/16"
<b>AIRLOC</b>	ATI254DD-2	7/32"	7/32"
	ATI254DD-5	5/16"	5/16"
	ATI254DD-7	3/8"	3/8"

For use with ATI259 Portable Dimpling Machine

Fastener	Part Number	Size	Pilot Drill Size
<b>AN426 RIVET</b>	ATI251DA-3	3/32"	#40
	ATI251DA-4	1/8"	#30
	ATI251DA-5	5/32"	#21
	ATI251DA6	3/16"	#10
	ATI251DA8	1/4"	1/4"
	ATI251DA10	5/16"	5/16"
<b>AN509 SCREW</b>	ATI251DB-8	#8	#36
	ATI251DB-10	#10	#30
	ATI251DB-12	1/4"	#19
<b>HI-SHEAR RIVET</b>	ATI251DC-3	3/16"	#30
	ATI251DC-4	1/4"	#19
	ATI251DC-5	5/16"	#5
<b>DZUS STUD</b>	ATI251DD-8	FA5	5/16"
<b>DZUS STUD</b>	ATI251DD-9	FA6-1/2"	7/16"
<b>DZUS SPRING</b>	ATI251DD-10	FA5	5/16"
<b>DZUS SPRING</b>	ATI251DD-12	FA6-1/2"	7/16"
<b>AIRLOC</b>	ATI251DD-2	7/32"	7/32"
	ATI251DD-5	5/16"	5/16"
	ATI251DD-7	3/8"	3/8"



**SAFETY PRECAUTION:** Read and follow all safety and operating instructions.  
**WARNING:** Face & eye protection must be worn while operating power tools, per ANSI B186.1

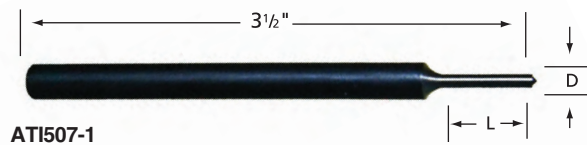
## PUNCH AND DIES

### DUPLICATING PUNCHES



- Accurately duplicate hole location from one sheet to another.
- Heat-treated, the locating diameter and punch are ground to insure absolute concentricity and held to close tolerances

Part Number	D	L
ATI507-1	3/32	1/4
ATI507-2	#40	1/4
ATI507-3	1/8	3/8
ATI507-4	#30	3/8
ATI507-5	5/32	1/2
ATI507-6	#19	1/2
ATI507-7	3/16	1/2
ATI507-8	#10	1/2
ATI507-9	7/32	1/2
ATI507-10	1/4	1/2
ATI507-11	5/16	1/2
ATI507-12	3/8	1/2
ATI507-13	7/16	1/2
ATI507-14	1/2	1/2



ATI507-1

### DUPLICATING PUNCH KIT

#### ATI507KT

Kit contains fourteen 3-1/2" OAL punches, sizes 3/32", #40, 1/8", #30, 5/32", #19, 3/16", #10, 7/32", 1/4", 5/16", 3/8", 7/16", and 1/2".



ATI507KT







The AT1520D operates from an air supply of 30 cfm at 90 to 100 psi and 110 vac. A step-down transformer is available for overseas operation.

**STATIONARY CABLE SWAGER  
AT1520D**

The AT1520D Stationary Swaging machine is a ruggedly constructed unit, weighing approximately 400 pounds and measuring 12" deep by 24" wide by 58" high. The new heavy duty yoke permits rapid installation and removal of dies and incorporates a shock absorbing feature to prevent breakage. The same quick change swaging and cutting dies are used in both portable (AT1520J) and stationary equipment. It is capable of swaging ball-end terminals such as AN663 up to the -6 (3/16 cable size), and sleeve-type terminals through -8 (1/4 cable size).

This tool approaches the capacity of a 50-ton punch-press and is able to swage over 90% of aircraft-type terminals. An outstanding feature of the AT1520D Cable Swager is the automatic swaging time controls. The operator merely sets the timer for the size fitting to be swaged, and the machine automatically stops when the work is completed.

Another feature of the machine is the "terminal clamping action". The machine is equipped with a two-stage foot switch. By depressing the switch to the first stage, the dies come together pneumatically and firmly clamp the terminals. At this point, the operator may make any terminal location adjustment he wishes. The foot switch is then depressed to the second stage and the electrically timed swaging action begins. When swaging time has been completed, the machine turns off and the dies automatically return to the full open position.

Die racks are built into the sides of the machine to accommodate the complete set of swaging and cutting dies. An air filter and lubricator provide dust-free air, plus oil to the power unit. Bolt holes are provided for floor installation.

**STATIONARY CABLE SWAGER KIT  
AT1520DK**

The AT1520DK Stationary Cable Swager Kit includes the AT1520D Swager, and the 27 pair of swaging and cut-and-trim dies shown with the AT1520JK Portable Cable Swager Kit.



**SAFETY PRECAUTION:** Read and follow all safety and operating instructions.  
**WARNING:** Face & eye protection must be worn while operating power tools, per ANSI B186.1

# PUNCH AND DIES

## CABLE SWAGING EQUIPMENT AND SWAGING DIES



### PORTABLE CABLE SWAGER ATI520J



This light weight portable unit is designed to precision-swage cable terminals... even when used by operators with no previous experience. It can be used as a bench unit when mounted on the shock absorbing base, or taken directly to the scene of operation.

The ATI520J Swager, complete with base plate, air hose, and foot control, or any sets of dies, can be ordered separately.

### SWAGE GAUGE ATI520SG



"Go" type gauge designed to check all swaged terminals within the capacity of the ATI520D and ATI520J swagers. Included with ATI520JK.

### PORTABLE CABLE SWAGER KIT ATI520JK



The Kit is furnished with the ATI520J Swager, ATI520SG Swage Gauge, Felco C7 hand cable cutters, and ATISP1001 Turnbuckle Wrench, and all the dies shown below. The swager is designed to cold-flow the metal of the terminal into the interstices of the cable strands to which it is attached. Controlling factors are that the swaged terminal shall conform to specified dimensions, be free from fatigue fractures, and hold at least to the minimum rated breaking strength of the cable. Dies carried in stock are for standard MS sleeve-type and ball-end terminals. Cut-off and trim dies are manufactured in sizes to cut cable up to 1/4" in diameter without fraying or crushing wire strands, permitting rapid insertion of the terminal over the cable.

### ALL SWAGING DIES SOLD IN PAIRS; CUT AND TRIM DIES SOLD INDIVIDUALLY

For use with ATI520D and ATI520J Swagers.

#### FOR DOUBLE SHANK BALL END TERMINALS

Part Number	Cable Diameter	Terminal Ref.
ATI520CDB-2	1/16"	MS20663-2
ATI520CDB-3	1/32"	MS20663-3
ATI520CDB-4	1/8"	MS20663-4
ATI520CDB-5	5/32"	MS20663-5
ATI520CDB-6	3/16"	MS20663-6



#### FOR SINGLE SHANK BALL END TERMINALS

Part Number	Cable Diameter	Terminal Ref.
ATI520CSB-2	1/16"	MS20664-2
ATI520CSB-3	1/32"	MS20664-3
ATI520CSB-4	1/8"	MS20664-4
ATI520CSB-5	5/32"	MS20664-5
ATI520CSB-6	3/16"	MS20664-6



#### FOR PLAIN BALL END TERMINALS

Part Number	Cable Diameter	Terminal Ref.
ATI520CB-2	1/16"	RA2487
ATI520CB-3	1/32"	RA2487
ATI520CB-4	1/8"	RA2487



#### FOR SLEEVE TYPE TERMINALS

Part Number	Cable Diameter	Terminal Dash No.
ATI520CS-2	1/16"	-2
ATI520CS-3	1/32"	-3
ATI520CS-4	1/8"	-4
ATI520CS-5	5/32"	-5
ATI520CS-6	3/16"	-6
ATI520CS-7	7/32"	-7
ATI520CS-8	1/4"	-8



#### CABLE CUT-OFF AND TRIM DIES

Part Number (Die)	Cable Diameter	Part Number (Punch)
ATI520CD-2	1/16"	ATI520CP-2
ATI520CD-3	1/32"	ATI520CP-3
ATI520CD-4	1/8"	ATI520CP-4
ATI520CD-5	5/32"	ATI520CP-5
ATI520CD-6	3/16"	ATI520CP-6
ATI520CD-7	7/32"	ATI520CP-7
ATI520CD-8	1/4"	ATI520CP-8



**SAFETY PRECAUTION:** Read and follow all safety and operating instructions.

**WARNING:** Face & eye protection must be worn while operating power tools, per ANSI B186.1

**ATI520CT**

The ATI520CT Pull Tester is a self-contained hydraulic unit in which the tensile load applied to the cable and terminal assembly is produced by developing pressure in a hydraulic cylinder. The pressure in the cylinder is related to the pounds tension applied to the terminal and cable assembly, and is indicated by a direct-reading pressure gage calibrated in pounds tension. The face of the gage is graduated and indicated by cable size, and the respective 60% rated tensile strength. This terminal tester has the capacity to pull-test sizes and types of terminals which can be swaged by the ATI520J or ATI520D Swagers.



**ATI520CTK**

The ATI520CTK Portable Cable Pull Tester Kit is used in conjunction with the ATI520D and ATI520J Cable Swagers. It has been designed as a portable unit to enable Field Service Groups, Aircraft Manufacturers and Repair Depots to test swaged terminals.

During testing, the cable is held between two soft copper blocks which have been designed to avoid damage to the cable. The operation of this unit is simple and no experience or training is required to effectively test swaged terminals. The basic unit weighs 24-3/4 pounds, is 5-3/4" wide, 10-1/4" high and 23-1/8" long. It is light and small enough to be carried by one man. This compact size adds to its versatility and allows proof-loading of swaged terminals after the cable has been installed.



ATI520CTK KIT CONSISTS OF THE FOLLOWING:  
(NOTE: Jaws are furnished in pairs)

**CALIBRATION KIT  
ATI520CGC**

A Force Gage Kit with adaptors used to certify the cable tension indicator on the ATI520CT. This instrument will eliminate the necessity of outside calibration service.



**ATI520CGC**

Part Number	Item Description / cable diameter
ATI520CT	Pull Tester complete with handle and jaw holder
ATI520CTD2	COPPER JAWS-1/16"
ATI520CTD3	COPPER JAWS-3/32"
ATI520CTD4	COPPER JAWS-1/8"
ATI520CTD-5	COPPER JAWS-5/32"
ATI520CTD6	COPPER JAWS-3/16"
ATI520CTD-7	COPPER JAWS-7/32"
ATI520CTD-8	COPPER JAWS-1/4"
ATI520CTF-5	ADAPTER 5/32" (use with 1/4" Dia Pin)
ATI520CTF6	ADAPTER 3/16" (use with 5/16" Dia Pin)
ATI520CTF7	ADAPTER 7/32" (use with 5/16" Dia Pin)
ATI520CTF-8	ADAPTER 1/4" (use with 3/8" Dia Pin)
ATI520CTP-1	3/16" DIAMETER PIN W/KNURLED HEAD
ATI520CTP2	1/4" DIAMETER PIN W/KNURLED HEAD
ATI520CTP3	5/16" DIAMETER PIN W/KNURLED HEAD
ATI520CTP4	3/8" DIAMETER PIN W/KNURLED HEAD
ATI520CTS-2	BALL END TERMINAL ADAPTER 1/16"
ATI520CTS-3	BALL END TERMINAL ADAPTER 3/32"
ATI520CTS-4	BALL END TERMINAL ADAPTER 1/8"
ATI520CTS-5	BALL END TERMINAL ADAPTER 5/32"
ATI520CTS-6	BALL END TERMINAL ADAPTER 3/16"
ATI520CTT2RH	RH (#6-40) ADAPTER 1/16"
ATI520CTT20L	LH (#6-40) ADAPTER 1/16"
ATI520CTT3RH	RH (#10-32) ADAPTER 3/32"
ATI520CTT30L	LH (#10-32) ADAPTER 3/32"
ATI520CTT4RH	RH (1/4-28) ADAPTER 1/8" & 5/32"
ATI520CTT40L	LH (1/4-28) ADAPTER 1/8" & 5/32"
ATI520CTT6RH	RH (5/16-24) ADAPTER 3/16"
ATI520CTT60L	LH (5/16-24) ADAPTER 3/16"
ATI520CTT7RH	RH (3/8-24) ADAPTER 7/32" & 1/4"
ATI520CTT70L	LH (3/8-24) ADAPTER 7/32" & 1/4"

**ATI520H**

The ATI520H is furnished with an Enerpac pump which operates on air supply of 100-120 psi. Swaging is accomplished by applying a designated number of pressure increments while rotating the cable-terminal assembly. The swaging action is virtually maintenance-free, consisting of merely two moving parts.

An adapter is provided which allows the ATI520H to accept standard ATI520-series swaging dies, used with both the ATI520J and ATI520D pneumatic swagers. With that additional capability, this portable hydraulic unit can satisfy all aircraft-type cable swaging requirements.



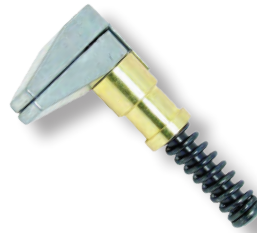
**HYDRAULIC PORTABLE SWAGER KIT**

**ATI520HK**

The ATI520HK consists of the ATI520H Swager, and thirteen pair of over-sized dies shown below. The kit includes a sleeve, which when installed, provides the operator the capability to swage with standard swaging dies as shown on the previous page.

Part Number	Cable Diameter	Terminal Ref.
ATI520CDB-7	7/32"	MS20663-7
ATI520CDB-8	1/4"	MS20663-8
ATI520CDB-9	9/32"	MS20663-9
ATI520CDB-10	5/16"	MS20663-10
ATI520CSB-7	7/32"	MS20664-7
ATI520CSB-8	1/4"	MS20664-8
ATI520CSB-9	9/32"	MS20664-9
ATI520CSB-10	5/16"	MS20664-10
ATI520CB-10	5/16"	RA2487
ATI520CB-12	3/8"	RA2487
ATI520CS-9	9/32"	MS21259
ATI520CS-10	5/16"	MS20667, MS20668
ATI520CS-12	3/8"	MS21260

# SHOP TOOLS & KITS



**MINA-VACS • SCREW REMOVAL TOOLS • CYLINDRICAL BODY SKIN CLAMP RUNNER • TEMPORARY FASTENERS AND CLAMPS**

**GRIP GAUGES**

**ATI269C3 & ATI2612**

Simple, self-explanatory gauges determine material thickness and proper rivet grip length.



ATI2612

**SHEET-METAL TOOL KITS AND RIVET CUTTERS**

These kits provide the essentials for straight and offset riveting. Ideal for structural and sheet-metal technicians, home builders, and students. Plastic zipped carrying case for tool control and FOD prevention.

<b>ATI590RGK3X</b>	<b>WITH ATIATC3X RIVET GUN</b>
<b>ATI590RGK-4X</b>	<b>WITH ATIATC4X RIVET GUN</b>

Kit includes:

1	RIVET HAMMER	1	ATI101AF-3A
1	ATI100A33/32	1	ATI107A-2
1	ATI100A3-1/8	1	ATI110CB
1	ATI100A35/32	1	ATI114C-3
1	ATI100A33/16	1	ATI638
1	ATI101A33/32	1	ATI647
1	ATI100A3-1/8	1	ATI670
1	ATI101A35/32	1	ATI681
1	ATI101A3316	1	A-1142 (oil)

<b>ATI590SMKSP1</b>	<b>WITH SIOUX 270 RIVET GUN</b>
<b>ATI590SMKSP6</b>	<b>WITH ATIATC4X RIVET GUN</b>

- Four straight AN470 universal rivet sets (3/32", 1/8", 5/32", 3/16")
- One flush rivet set
- Four integral pilot countersinks (#10, #21, #30, #40) pilot sizes
- Microstop-ball bearing
- Hand rivet cutter
- Rivet hammer (see chart)
- Four spring tension u-clamps
- 12 Each (3/32", 1/8", 5/32", 3/16") temporary fasteners
- Sioux SDR4P26N2 drill
- Jobber drills- 3/32", 1/8", 5/32", 3/16", #40, #30, #21, #10
- Drill stops- #10, #21, #30, #40
- Sheet holder pliers
- Bucking Bar
- Retainer spring-quick release

ATI590RGK-4X



Clear zipper case included



**ATI501R**

This rivet cutter is designed to quickly and easily shear aluminum rivets. It is adjustable for 1/4" to 3/4" long rivets in 1/16" increments, for rivet sizes 3/32", 1/8", 5/32", 3/16", 7/32", and 1/4".



ATI590SMKSP1

**ATI501S**

This rivet cutter, with 13" tubular handles for additional leverage, was developed for the U.S. Government.



**SAFETY PRECAUTION:** Read and follow all safety and operating instructions.

**WARNING:** Face & eye protection must be worn while operating power tools, per ANSI B186.1

**FEATURES:**

- Provides an accurate method for duplicating hidden holes in overlapping sheets
- Standard pilots are used when sheets can be pried apart. Inverted pilots are used when sheets cannot be separated. Spring loaded center punch allows for marking in limited access for drilling later
- Position pilot in hole to be duplicated then drill through bushing. Back side of pilot is relieved to allow drill to pass through first sheet only
- Straps are spring steel. Bushings, pilots and center punch are hardened drill rod assuring accurate hole duplication. Tools are identified with part number and drill size
- Working length is shown, maximum distance from edge of sheet to hole. Back side of strap is beveled to aid in prying sheets apart



AT1532-61



AT1500-52

6-1/4" Length Part Number	13-1/4" Length Part Number	Type	Drill Size
AT1532-61	AT1532C-61	Bushing, Standard Pilot	#40
AT1532-62	AT1532C-62	Bushing, Standard Pilot	#30
AT1532-63	AT1532C-63	Bushing, Standard Pilot	#21
AT1532-64	AT1532C-64	Bushing, Standard Pilot	#19
AT1532-65	AT1532C-65	Bushing, Standard Pilot	#10
AT1532-66	AT1532C-66	Bushing, Standard Pilot	#5
AT1532-67	AT1532C-67	Bushing, Standard Pilot	F
AT1532-68	AT1532C-68	Bushing, Standard Pilot	1/4"

\*Special bushing and pilot sizes available upon request

6-1/4" Length Part Number	13-1/4" Length Part Number	Type	Drill Size
AT1500-51	AT1500C-51	Spring Loaded Center Punch	#40
AT1500-52	AT1500C-52	Spring Loaded Center Punch	#30
AT1500-53	AT1500C-53	Spring Loaded Center Punch	#21
AT1500-54	AT1500C-54	Spring Loaded Center Punch	#19
AT1500-55	AT1500C-55	Spring Loaded Center Punch	#10
AT1500-56	AT1500C-56	Spring Loaded Center Punch	#5
AT1500-57	AT1500C-57	Spring Loaded Center Punch	F
AT1500-58	AT1500C-58	Spring Loaded Center Punch	1/4"

\*Special bushing and pilot sizes available upon request



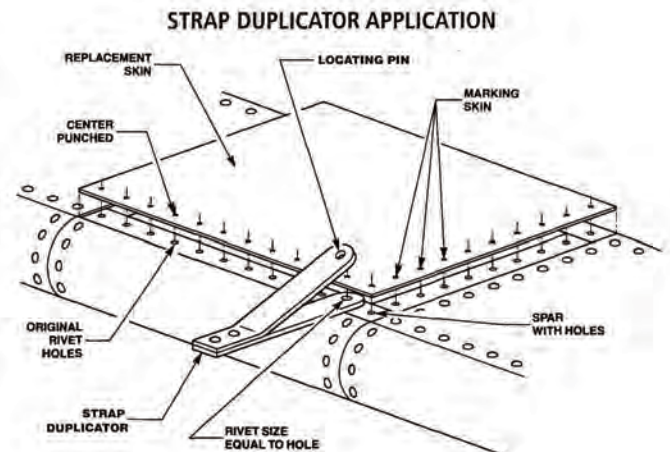
AT1532A-61

6-1/4" Length Part Number	13-1/4" Length Part Number	Type	Drill Size
AT1532A-61	AT1532D-61	Bushing, Inverted Pilot	#40
AT1532A-62	AT1532D-62	Bushing, Inverted Pilot	#30
AT1532A-63	AT1532D-63	Bushing, Inverted Pilot	#21
AT1532A-64	AT1532D-64	Bushing, Inverted Pilot	#19
AT1532A-65	AT1532D-65	Bushing, Inverted Pilot	#10
AT1532A-66	AT1532D-66	Bushing, Inverted Pilot	#5
AT1532A-67	AT1532D-67	Bushing, Inverted Pilot	F
AT1532A-68	AT1532D-68	Bushing, Inverted Pilot	1/4"

\*Special bushing and pilot sizes available upon request

**STRAP DUPLICATORS SETS**

AT1532A/SET	10 PIECE SET STANDARD & INVERTED PILOT	Includes Items in Blue
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**SAFETY PRECAUTION:** Read and follow all safety and operating instructions.  
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**PLIERS AND CLAMPS**

**CANNON PLUG CONNECTOR PLIERS**

**ATI508K**

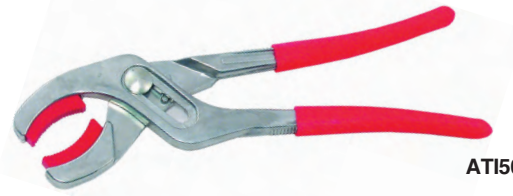
- Slip-joint handles
- Serrated, replaceable plastic jaws (ATI508K-4)
- Adjustable grip range from 3/4" to 2-1/2" diameter
- Used to tighten or loosen threaded collars on electrical connectors



**ATI508K**

**ATI508KG**

ATI508K with high visibility cushioned grips



**ATI508KG**

**ATI508K-4**

Replaceable pads for ATI508K and ATI508KG



**ATI508K-4**

**SOFT JAW PLIERS, STRAIGHT AND ANGLED**

Self-adjusting pliers allow for true one-handed operation. The jaws adjust as quickly as your hand can squeeze, making every job faster and easier. Narrow jaw design allows easy access to the tightest places with the least clearance. Serrated, replaceable plastic jaws are durable and easy to install.

Part Number	Description
ATI509AP8	Cannon plug connector pliers, 30° offset angled head, 1-5/8" capacity, 8" length
ATI509RP8	Cannon plug connector pliers, straight head, 1-5/8" capacity, 8" length
ATI509A-1	Replaceable plastic insert for ATI509AP8 and ATI509RP8



**ATI509AP8**

**CAMLOC PLIERS**

**ATI044P3**

For use with Camloc Fasteners, Stud Series 2000, 2700, and 4002.



**ATI044P3**

**SHEET HOLDER PLIERS**

- Forged steel
- Available with ergonomically designed cushioned grips

Part Number	Description
ATI508S	For use with ATI542, ATI543, ATI544, and plier-operated sheet holders and side grip clamps
ATI508SG	ATI508S with high visibility cushioned grips



**ATI508S**



**ATI508SG**



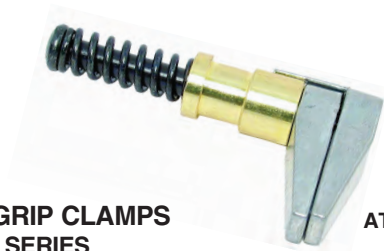


AT1542

**SPRING TENSION CLAMPS**

- U-Clamp, plier operated; 70-pound clamping force
- Designed to use with AT1508S or AT1508SG

Part Number	Material	Material Capacity	Reach
AT1542	Zamak	0-7/16"	2"
AT1542S	Steel	0-7/16"	2"
AT1543	Zamak	1/4"-15/32"	3"
AT1544	Zamak	1/2"-3/4"	3-1/2"



AT1550SG

**SIDE-GRIP CLAMPS**

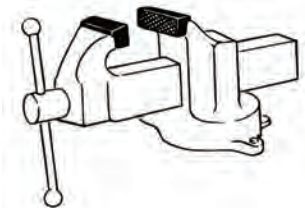
**AT1550 SERIES**

- Plier-operated, spring loaded
- Minimal surface marring
- Spring design prevents over tightening
- 60 pounds clamping force

Part Number	Material Capacity	Reach	OAL
AT1550SG	0-3/4"	1"	2-7/16"
AT1551SG	0-3/4"	1/2"	2-7/16"
AT1552SG	0-1/2"	1"	2-3/16"
AT1553SG	0-1/2"	1/2"	2-3/16"

**VICE SLEEVES**

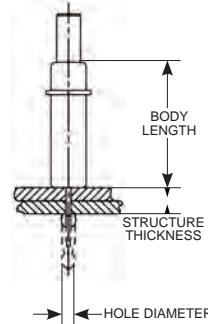
Part Number	Description
AT1529	Vice sleeves, molded rubber, 4" jaw sold in pairs
AT1530	Vice sleeves, molded rubber, 4-1/2" jaw sold in pairs



**TEMPORARY FASTENERS**

**PLIER OPERATED TEMPORARY FASTENERS**

Part Number	Grip Range	Body Length	Size	For Drill	Color
AT1551M	0-1/4"	1-29/64"	3/32"	#40	ZINC
AT1552M	0-1/4"	1-29/64"	1/8"	#30	COPPER
AT1553M	0-1/4"	1-29/64"	5/32"	#21	BLACK
AT1554M	0-1/4"	1-29/64"	3/16"	#10	BRASS
AT1556M	0-1/4"	1-31/64"	1/4"	1/4"	COPPER
AT1551MHD	0-1/2"	1-7/64"	3/32"	#40	ZINC
AT1552MHD	0-1/2"	1-7/64"	1/8"	#30	COPPER
AT1553MHD	0-1/2"	1-7/64"	5/32"	#21	BLACK
AT1554MHD	0-1/2"	1-7/64"	3/16"	#10	BRASS
AT1556MHD	0-1/2"	1-47/64"	1/4"	1/4"	COPPER



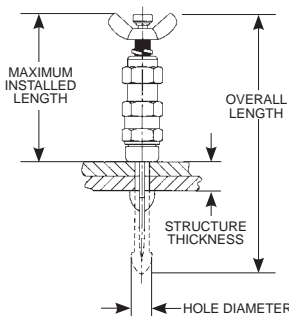
AT1552M



AT1552MHD

**MANUAL OPERATED TEMPORARY FASTENERS, WING NUT**

Part Number	Grip Range	Body Length (OAL)	Size	For Drill	Color
AT1551WNX	0-1/2"	2-7/8"	3/32"	#40	ZINC
AT1552WNX	0-1/2"	2-7/8"	1/8"	#30	COPPER
AT1553WNX	0-1/2"	2-7/8"	5/32"	#21	BLACK
AT1554WNX	0-1/2"	2-7/8"	3/16"	#10	BRASS
AT1556WNX	0-1/2"	2-7/8"	1/4"	1/4"	COPPER
AT1551WNXL	0-1"	3-7/8"	3/32"	#40	ZINC
AT1552WNXL	0-1"	3-7/8"	1/8"	#30	COPPER
AT1553WNXL	0-1"	3-7/8"	5/32"	#21	BLACK
AT1554WNXL	0-1"	3-7/8"	3/16"	#10	BRASS
AT1556WNXL	0-1"	3-7/8"	1/4"	1/4"	COPPER



AT1552WNX



AT1552WNXL

\*Use with AT1540 or AT1540S



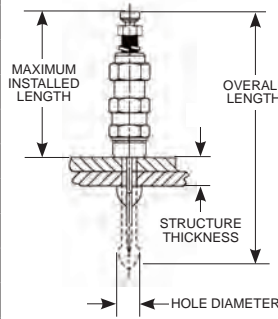
**SAFETY PRECAUTION:** Read and follow all safety and operating instructions.  
**WARNING:** Face & eye protection must be worn while operating power tools, per ANSI B186.1

TEMPORARY FASTENERS



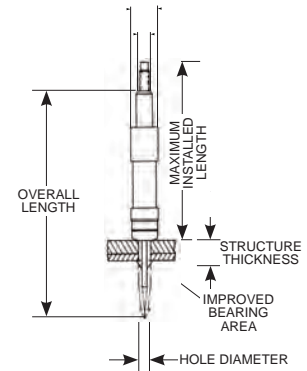
POWER OPERATED TEMPORARY FASTENERS, HEX NUT

Part Number	Grip Range	Body Length (OAL)	Size	For Drill	Color
ATI551HNX	0-1/2"	2-7/8"	3/32"	#40	ZINC
ATI552HNX	0-1/2"	2-7/8"	1/8"	#30	COPPER
ATI553HNX	0-1/2"	2-7/8"	5/32"	#21	BLACK
ATI554HNX	0-1/2"	2-7/8"	3/16"	#10	BRASS
ATI556HNX	0-1/2"	2-7/8"	1/4"	1/4"	COPPER
ATI551HNXL	0-1"	3-7/8"	3/32"	#40	ZINC
ATI552HNXL	0-1"	3-7/8"	1/8"	#30	COPPER
ATI553HNXL	0-1"	3-7/8"	5/32"	#21	BLACK
ATI554HNXL	0-1"	3-7/8"	3/16"	#10	BRASS
ATI556HNXL	0-1"	3-7/8"	1/4"	1/4"	COPPER



POWER OPERATED TEMPORARY FASTENERS, CYLINDRICAL BODY

Part Number	Part Number W/ Plastic Cap	Body Length (OAL)	Grip Range	Size	For Drill	Color
CBXBF332PC	CBXBF332PC	4-1/32"	0-1/2"	3/32"	#40	ZINC
CBX-BF-1/8	CBXBF18PC	4-1/16"	0-1/2"	1/8"	#30	COPPER
CBX-BF-5/32	CBXBF532PC	4-3/32"	0-1/2"	5/32"	#21	BLACK
CBXBF316	CBXBF316PC	4-1/8"	0-1/2"	3/16"	#10	BRASS
CBX-BF-1/4	CBXBF14PC	4-5/32"	0-1/2"	1/4"	1/4"	COPPER
CBXL-BF-3/32	CBXLB332PC	5-1/32"	0-1"	3/32"	#40	ZINC
CBXL-BF-1/8	CBXLB18PC	5-1/16"	0-1"	1/8"	#30	COPPER
CBXLB532	CBXLB532PC	5-3/32"	0-1"	5/32"	#21	BLACK
CBXL-BF-3/16	CBXLB316PC	5-1/8"	0-1"	3/16"	#10	BRASS
CBXL-BF-1/4	CBXLB14PC	5-5/32"	0-1"	1/4"	1/4"	COPPER



SKIN CLAMP RUNNER, FOR CYLINDRICAL BODY FASTENERS

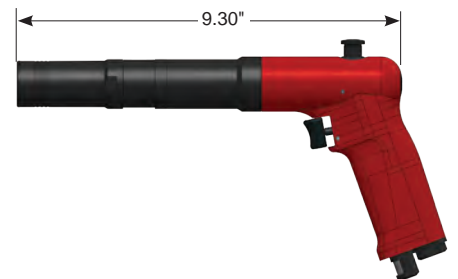
ATI800FGB

- Heavy duty, lightweight, and compact
- Greater torque in reverse eases removal of installed fastener
- Dual roller clutch carriers for longevity
- Barrel diameter: 1.01"
- Shuttle reverse lever design allows for better clearance
- Air motor stalls at 25 in-lbs. at 90 psi
- CE Certified



ATI800FGC TORQUE CONTROL CLUTCH

- Heavy duty, lightweight, and compact
- Adjustable clutch for specific torque applications
- Push button rapid reverse with lock position
- Greater torque in reverse eases removal of installed fastener
- Dual roller clutch carriers for longevity
- CE Certified





SSR4P26



SSR6P25

**Performance:**

Speed: 2,200 rpm - 2,500 rpm

**Skin Clamp Runners**

**Features:**

Pistol Grip  
1/2-12 Point Internal, 9/16-6 Point External Hex



Model Number	Fastener Type	Free Speed	Weight		Length		Side to Center		Air Consumption	
		rpm	lb	kg	in	mm	in	mm	scfm	l/s
<b>0.24 hp (0.18 kW) – Pistol Grip</b>										
SSR4P26	Cylindrical	2600	1.7	0.7	7.0	178	0.7	17	20	10
<b>0.40 hp (0.30 kW) – Pistol Grip</b>										
SSR6P25	Hex	2500	2.7	1.2	9.2	234	0.9	23	30	14

**General:** Air Inlet Size: 1/4" NPT • Recommended Hose Size: 3/8" (10 mm) • Performance rated @ 90 psig (6.2 bar) air pressure  
**Standard Equipment:** Parts List • Safety and Instruction Manual • Comfort Grip (Pistol Grip models)

**SCREWDRIVER BITS**

**TORQ-SET™ INSERT BIT**   
**1/4" HEX DRIVE**

Part Number	Size	OAL
ATIT0A1	0"	1"
ATIT1A1	1"	1"
ATIT2A1	2"	1"
ATIT3A1	3"	1"
ATIT4A1	4"	1"
ATIT5A1	5"	1"
ATIT6A1	6"	1"
ATIT8A1	8"	1"
ATIT10A1	10"	1"
ATIT16A1	1/4"	1"

**TORQ-SET™ SCREWDRIVERS**

This accessory combines both bit and driver for installation of Torq-Set® insert bits. Shock-proof and non-flammable, the handles are deep fluted for grip and turning power. Carried in standard point sizes 4, 6, 8, 10 and 1/4".



Part Number	Point Size	Driver	Driver Length	OAL
ATI268P4	4	1/4" Hex	3-1/8"	7-1/16"
ATI268P6	6	1/4" Hex	4"	7-15/16"
ATI268P8	8	1/4" Hex	4"	7-15/16"
ATI268P10	10	1/4" Hex	4"	7-15/16"
ATI268P-1/4	1/4"	5/16" Hex	6"	10-1/2"

**HI-TORQUE® DRIVER**

Square Drive Insert Bits

Part Number	Hex Insert	Blade Thickness	Blade Width	Body Diameter	Length
ATIHTS1	1/4"	.049	.274	1/2"	1"
ATIHTS-2	1/4"	.059	.295	1/2"	1"
ATIHTS-3	1/4"	.059	.377	1/2"	1"
ATIHTS3A	3/8"	.059	.377	1/2"	1"
ATIHTS-4	1/4"	.073	.502	1/2"	1"
ATIHTS4A	3/8"	.073	.502	1/2"	1-1/4"
ATIHTS-5	3/8"	.079	.629	3/4"	1-1/4"
ATIHTS6	3/8"	.095	.745	3/4"	1-1/4"



ATIHTS-3



**SAFETY PRECAUTION:** Read and follow all safety and operating instructions.  
**WARNING:** Face & eye protection must be worn while operating power tools, per ANSI B186.1

**SCREWDRIVER BITS**

**8-SPLINE OCTAGONAL SOCKETS**

These sockets are used extensively on P3 Patrol and A-10 Wart Hog maintenance. The Kaynar fastener is also used on Airbus wing sections. High-quality tool steel with nickel-chrome plating.

Part Number	Reference	Description	Fastener Size
ATISK3686-2T	W-603-2	Socket, 8-Spline, Octagonal	#8
ATISK3686-3T	W-603-3	Socket, 8-Spline, Octagonal	#10
ATISK3686-4T	W-603-4	Socket, 8-Spline, Octagonal	1/4"
ATISK3686-5F	W-603-5	Socket, 8-Spline, Octagonal	5/16"
ATISK3686-6F	W-603-6	Socket, 8-Spline, Octagonal	3/8"
ATISK3686-7S	W-603-7	Socket, 8-Spline, Octagonal	7/16"
ATISK3686-8S	W-603-8	Socket, 8-Spline, Octagonal	1/2"
ATISK3686-9S	W-603-9	Socket, 8-Spline, Octagonal	9/16"
ATISK368610S	W-603-10	Socket, 8-Spline, Octagonal	5/8"

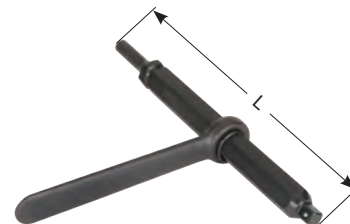


**SCREW REMOVAL TOOLS**

**ATI540 SERIES**

These tools are useful in removing screws that are corroded and cannot be loosened by conventional methods without skin damage. Designed with a parker taper .401 shank to fit most standard rivet guns and held in place by a retainer spring. Available with 3/8" male drive or 1/4" machined hex bit receptacle.

Part Number	Type	SHANK	OAL
ATI540	3/8" square drive	.401	9"
ATI540S	3/8" square drive	.401	4-1/2"
ATI540BS-5	1/4" hex receptacle	.401	5-1/2"
ATI540BL-7	1/4" hex receptacle	.401	7-1/2"
*ATI540SE-5	1/4" hex bit adaptor, 3/8" square drive		



ATI540



ATI540SE-5

**EL BRUTUS....THE ORIGINAL**

This unique assembly removes the most stubborn screws such as Phillips, Tri-Wing, Hi-Torque and more. Heat-treated and plated for long durability. A favorite of both military and airframe technicians.

Part Number	Screw Capacity	Weight	OAL
ATI540-5	#8 to 1/4"	3.2 lbs.	17"
ATI540-7	1/4" to 3/8"	5.4 lbs.	18-3/4"



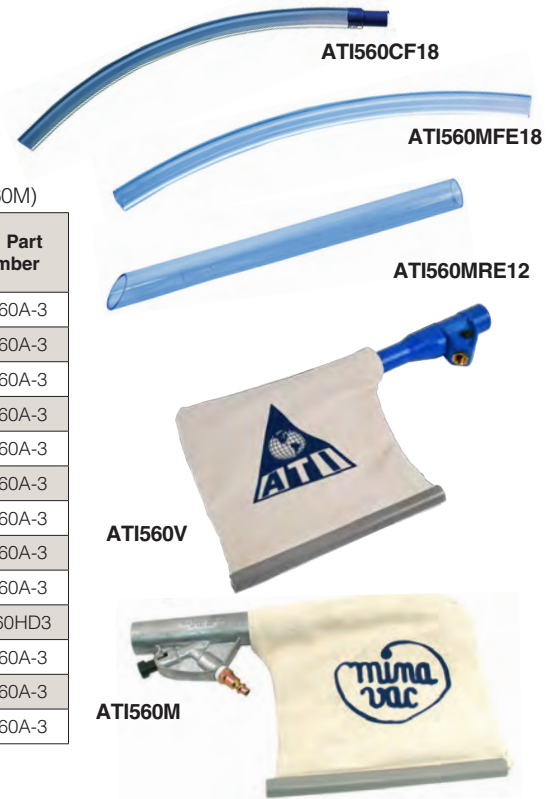
ATI540-5

**ATI560V** plastic Mina-vac pulls up to 5.0 in. H<sub>z</sub> static pull.

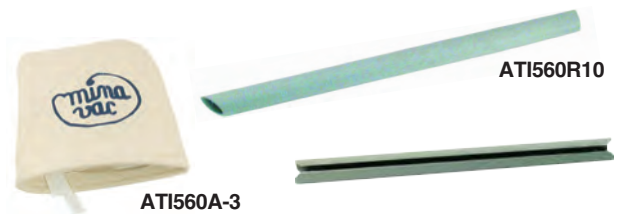
**ATI560M** metal Mina-vac pulls up to 4.0 in. H<sub>z</sub> static pull.

- 25% stronger vacuum strength than comparable brands
- Built-in chip deflector minimizes bag damage
- Removes objects such as Clecos up to 3/4" diameter from confined spaces
- One-piece housing and metal 1/4" NPT input for improved durability (ATI560V)
- Equipped with an "on" and "off" trigger button that can be locked in the "on" position (ATI560M)

Vacuum Assembly	Housing Material	Extension Hose Part Number	Hose Material	Hose Length (in)	Bag Part Number
ATI560V	PLASTIC				ATI560A-3
ATI560VF12	PLASTIC	ATI560MFE12	FLEXIBLE PLASTIC	12	ATI560A-3
ATI560VF18	PLASTIC	ATI560MFE18	FLEXIBLE PLASTIC	18	ATI560A-3
ATI560VF24	PLASTIC	ATI560MFE24	FLEXIBLE PLASTIC	24	ATI560A-3
ATI560M	ALUMINUM				ATI560A-3
ATI560MF12	ALUMINUM	ATI560MFE12	FLEXIBLE PLASTIC	12	ATI560A-3
ATI560MF18	ALUMINUM	ATI560MFE18	FLEXIBLE PLASTIC	18	ATI560A-3
ATI560MF24	ALUMINUM	ATI560MFE24	FLEXIBLE PLASTIC	24	ATI560A-3
ATI560MF-36	ALUMINUM	ATI560MFE36	FLEXIBLE PLASTIC	36	ATI560A-3
ATI560MHDF18	ALUMINUM	ATI560MFE18	FLEXIBLE PLASTIC	18	ATI560HD3
ATI560MR-12	ALUMINUM	ATI560MRE12	RIGID PLASTIC	12	ATI560A-3
ATI560MR18	ALUMINUM	ATI560MRE18	RIGID PLASTIC	18	ATI560A-3
ATI560MR36	ALUMINUM	ATI560MRE36	RIGID PLASTIC	36	ATI560A-3


**MINA-VAC ACCESSORIES**

Part Number	Description
ATI560CF12	Extension Hose, Flex, 12" OAL. Used with discontinued ATI560C
ATI560CF18	Extension Hose, Flex, 18" OAL. Used with discontinued ATI560C
ATI560CF24	Extension Hose, Flex, 24" OAL. Used with discontinued ATI560C
ATI560CF36	Extension Hose, Flex, 36" OAL. Used with discontinued ATI560C
ATI560A-3	Vacuum Bag, Replacement for use with ATI560V or ATI560M
ATI560HD-3	Vacuum Bag, Heavy Duty. Vinyl Reinforcement
ATI560A-4	Clip for Vacuum Bag
ATI560R10	Extension Tube, Rigid PVC, 12" OAL


**MINA-VAC, HEPA**
**ATI560MHP METAL MINA-VAC WITH HEPA BAG AND 12" FLEXIBLE PLASTIC HOSE**

The NEW ATI560MHP uses the ATI560M aluminum housing for better strength and durability. Comes with ATI560HP-3 HEPA filter bag and adaptor. HEPA bag reduces exposure to cadmium and hexavalent chromium dust. Airtight cap on filter bag insures FOD containment.

Vacuum Assembly	Housing Material	Extension Hose Part Number	Hose Material	Hose Length (in)	Bag Part Number
ATI560MHP	ALUMINUM	ATI560MFE12	FLEXIBLE PLASTIC	12	ATI560HP-3



MINA-VACS PNEUMATIC



**ATI560C PLASTIC MODEL**  
**ATI560M ALUMINUM MODEL**

- Vacuum force more than twice the amount of other brands
- Removes objects such as clecos up to 3/4" diameter from confine spaces
- Built-in chip deflector to minimize bag damage
- Equipped with an "on" and "off" trigger button that can be locked in the "on" position
- Includes ATI560A-3 bag but no extension hose

Vacuum Assembly	Housing Material	Extension Hose Part Number	Hose Material	Hose Length	Bag Part Number
ATI560C	PLASTIC	N/A	N/A	N/A	ATI560A-3
ATI560CWCF12	PLASTIC	ATI560CF12	FLEXIBLE PLASTIC	12	ATI560A-3
ATI560CWCF18	PLASTIC	ATI560CF18	FLEXIBLE PLASTIC	18	ATI560A-3
ATI560CWCF24	PLASTIC	ATI560CF24	FLEXIBLE PLASTIC	24	ATI560A-3
ATI560M	ALUMINUM	N/A	N/A	N/A	ATI560A-3
ATI560MF12	ALUMINUM	ATI560MFE12	FLEXIBLE PLASTIC	12	ATI560A-3
ATI560MF18	ALUMINUM	ATI560MFE18	FLEXIBLE PLASTIC	18	ATI560A-3
ATI560MF24	ALUMINUM	ATI560MFE24	FLEXIBLE PLASTIC	24	ATI560A-3
ATI560MF-36	ALUMINUM	ATI560MFE36	FLEXIBLE PLASTIC	36	ATI560A-3
ATI560MHDF18	ALUMINUM	ATI560MFE18	FLEXIBLE PLASTIC	18	ATI560HD3
ATI560MR-12	ALUMINUM	ATI560MRE12	RIGID PLASTIC	12	ATI560A-3
ATI560MR18	ALUMINUM	ATI560MRE18	RIGID PLASTIC	18	ATI560A-3
ATI560MR36	ALUMINUM	ATI560MRE36	RIGID PLASTIC	36	ATI560A-3



**MINA-VAC**

**ATI560MH MINA-VAC WITH HEPA BAG AND 12" PLASTIC HOSE**

The ATI560MH uses the ATI560M aluminum housing for better strength and durability. Comes with a 3M filter bag and adaptor. HEPA bag reduces exposure to cadmium and hexavalent chromium dust. Airtight cap on filter bag insures FOD containment.

**HEPA FILTER BAG**  
**Part Number 70071472602**  
 For use with ATI560MH only



**MINA-VAC ACCESSORIES**

Part Number	Description
ATI560A-3	Vacuum Bag, Replacement for use with ATI560C or ATI560M
ATI560HD-3	Vacuum Bag, Heavy Duty. Vinyl Reinforcement
ATI560A-4	Clip for Vacuum Bag
ATI560R10	Extension Tube, Rigid PVC, 12" OAL



**ATISK3614**

- For rapid and safe tire deflation
- Machined aluminum tool threads into valve stem
- Releases and traps the valve core within the tool
- Exhausts the air through ports, away from the technician



ATISK3614

**ATIPRO360**

The ATIPRO360 Digital Protractor is a revolutionary tool that provides you with an immediate digital indication of level, plumb, and all the angles in between. The machined aluminum frame with integral base plate is a light, rigid, and ultra precise platform. State-of-the-art sensor and microprocessor circuit provides unsurpassed accuracy throughout the protractor's 360° range.

The ATIPRO360 features zero (alternate reference), a hold button to freeze displayed angle, simple calibration requiring no fixture and a one-year warranty.

Note: Calibration certificate not included

**DIGITAL PROTRACTOR**



**CABLE TENSIONMETERS**

**TURNBUCKLE WRENCH, CABLE RIGGING TOOL**

**ATISP1001**

This special cable rigging tool was designed to assist in adjusting turnbuckles on aircraft cable. The tool consists of two clamps joined by a 12" sprocket chain. When clamped to cable-end fittings on each side of the turnbuckle, the cable becomes stationary, allowing free turnbuckle adjustment.

Part Number	Size	Grip
ATISP1001	Light Duty	0 - 1/2"
ATISP1002	Heavy Duty	0 - 5/8"

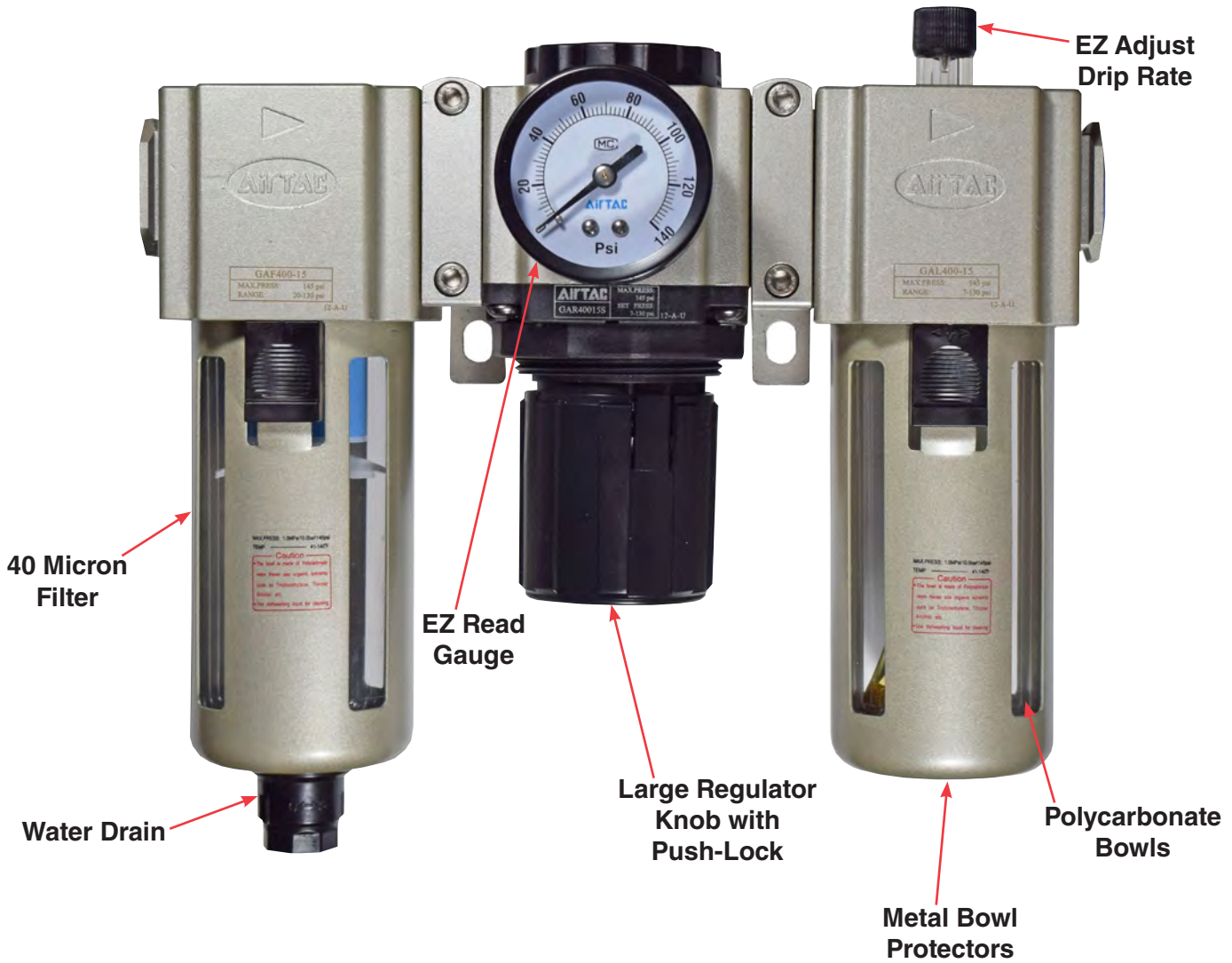


ATISP1001

**Filter**

**Regulator**

**Lubricator**



**Filter, Regulator, Lubricator Assembly**



Part Number	Inlet & Outlet	Height		Width		Depth		Bracket Spacing	
		in	mm	in	mm	in	mm	in	mm
1670	1/2" NPT	8.9	227	9.8	248	3.9	100	3.3	84





There is now a faster, safer, more effective way to remove aircraft sealants with minimal effect on paint, primer or aircraft metal. The new Sioux Aircraft Sealant Removal Tool runs at 800 RPM and is designed for use with the SR Cutters. The SR cutters included in the kit are a plastic rotary cutting tool with a 1/4 - 28 threaded steel mandrel. The cutters thread directly into the output spindle on the drills and are ideal for close quarters applications. The Sioux Aircraft Sealant Removal Kits will eliminate the need to use chemical solvents, which raise health, safety and environmental concerns and are messy to clean up.

**Sealant Removal Kit Includes:**

- SDR4A8 Drill Motor
- 90° and/or 45° Heads
- 5pc SR40 Cutters
- 5pc SR83 Cutters
- Case



SDR4A8SF-SRK



**Sealant Removal Kits**

Model Number	Free Speed		Tool Weight		Tool Length		Side to Center		Air Consumption		Spindle Internal Thread
	rpm		lb	kg	in	mm	in	mm	scfm	l/s	
<b>Sealant Removal Kit with 90° &amp; 45° Head – 0.4 hp (0.30 kW)</b>											
SDR4A8SF-SRK	800		2.1	0.94	10.0	255	0.7	20	21	10	1/4"-28
<b>Sealant Removal Kit with 45° Head – 0.4 hp (0.30 kW)</b>											
SDR4A8F-SRK	800		2.0	0.92	10.3	260	0.7	20	21	10	1/4"-28
<b>Sealant Removal Kit with 90° Head – 0.4 hp (0.30 kW)</b>											
SDR4A8S-SRK	800		2.1	0.94	10.0	255	0.7	20	21	10	1/4"-28

**General:** Air Inlet Size: 1/4" NPT • Recommended Hose Size: 3/8" (10 mm) • Performance rated @ 90 psig (6.2 bar) air pressure  
**Standard Equipment:** Parts List • Safety and Instruction Manual

The locking microstop design allows an operator to hold the tool comfortably without concern for unintentionally changing the shaver depth. The depth of the cutter can be adjusted in .0005 inch increments.

**RIVET SHAVER KIT**

**Rivet Shaver Kit Includes:**

- SRS6P21 Tool
- Case
- 74274A Stabilizer

- 5 Skirts:
  - 5/16"
  - 3/8"
  - 7/16"
  - 1/2"
  - 5/8"



SRS6P21-K



**Rivet Shaver Kit**

Model Number	Cutter Diameter		Free Speed	Tool Weight		Tool Length		Side to Center		Maximum Air Consumption	
	in	mm	rpm	lb	kg	in	mm	in	mm	scfm	l/s
SRS6P21-K	3/8	10	21,000	2.0	0.9	6.5	165	0.8	21	25	12

**General:** Air Inlet Size: 1/4" NPT • Recommended Hose Size: 3/8" (10 mm) • Performance rated @ 90 psig (6.2 bar) air pressure  
**Standard Equipment:** Parts List • Safety and Instruction Manual • Skirt • Comfort Grip (Pistol Grip models)



**SAFETY PRECAUTION:** Read and follow all safety and operating instructions.  
**WARNING:** Face & eye protection must be worn while operating power tools, per ANSI B186.1

**DRILL BUSHING ASSEMBLY KIT**



**ATI590DBK**

These unique hand-held guides keep drills and taps perpendicular to the skin surface. The interchangeable bushings are hardened to provide maximum wear and extended life. The kit consists of three plastic housings and nine bushings.

Kit includes:

3	ATI589AA	1	ATI589AB1875
1	ATI589AB098	1	ATI589AB1935
1	ATI589AB1285	1	ATI589AB2187
1	ATI589AB1562	1	ATI589AB250
1	ATI589AB159	1	ATI589AB-257



**ELLIPTICAL FASTENER COUNTERSINK CUTTER KIT**

**ATI2200CSK**

This kit provides countersinking capabilities for the installation of the NAS1734 or NAS1735 elliptical head blind nuts, for fasteners -3 (#10) thru -8 (1/2") hole preparation in accordance with NAS1736. Use with common hand-held drill motors.

Kit includes ATISK2260 and ATISK2266 microstops with stabilizing rockers and four cobalt cutters.

Qty	Part Number	Description
1	ATISK2260	Microstop with wobble skirt and arm assembly, 1/4"-28 threaded shank, 1/2" maximum cutter diameter for fasteners #10, 1/4", and 5/16".
1	ATISK2266	Jumbo Microstop with wobble skirt and arm assembly, 3/8"-24 threaded shank, 3/4" maximum cutter diameter for fasteners 3/8", 7/16", and 1/2".
1	ATISK2266B	Jumbo Microstop with wobble skirt and arm assembly, 3/8"-24 threaded shank, 1-1/4" maximum cutter diameter for fasteners 3/4", 7/8" and 1-1/4".
1	C15374-3	Elliptical nut countersink assembly, #10
1	C15374-4	Elliptical nut countersink assembly, 1/4"
1	C15374-5	Elliptical nut countersink assembly, 5/16"
1	C15374-6	Elliptical nut countersink assembly, 3/8"

Other elliptical nut countersink assemblies available upon special request.



**RIVET SQUEEZER KITS**

**ATI108A33PC**

- 33 Piece set for installing universal (AN470) and flush (AN426) rivets
- 3/16" Diameter shank with lock ring
- Universal (AN470) cup sizes 3/32", 1/8", 5/32", 3/16" and 1/4"
- Body lengths of 1/8", 1/4", 3/8", 1/2" and 5/8"
- Suitable for either hand or pneumatic squeezers
- See chart above for squeezer sets included

**ATI108A-16PC**

- 16 Piece set for installing universal (AN470) and flush (AN426) rivets
- 3/16" Diameter shank with lock ring
- Universal (AN470) cup sizes 3/32", 1/8", 5/32", 3/16" and 1/4"
- Body lengths of 1/8", 1/4", 3/8", 1/2" and 5/8"
- Suitable for either hand or pneumatic squeezers
- See chart above for squeezer sets included



ATI108A33PC



ATI's Trauma Reducing Bucking Bar significantly reduces vibration associated with hammering rivets. This unique design features an adjusting screw for increasing or decreasing spring tension, depending on the rivet size and material. The cushioned grip maximizes comfort and adds to the reduction of vibration. The quick-change design enables the changing of bars in seconds. These bucking bars may be used with either recoilless or conventional style Rivet Hammers.



**ATI1001UK**

The kit consists of five bucking bars, one handle assembly, and plastic carrying case.

Kit includes:

ATI1001A
ATI1001-8
ATI10019
ATI100110
ATI1001-11
ATI100112

**ATI1001K**

The kit consists of six bucking bars, one handle assembly, and plastic carrying case.

Kit includes:

ATI1001A
ATI1001-8
ATI10019
ATI100110
ATI1001-11
ATI100112
ATI100113

**HI-LOK® INSTALLATION KITS**

**ATI3594K Frangible Collar Installation Kit**

Kit for installing frangible collar fasteners, including Hi-Lok® and Hi-Lite®.



**ATI3594K**

Kit includes:

1	ATI3594	1	ATI3596-.31
1	ATI3596-.19	1	ATI3596-.34
1	ATI3596-.22	1	ATI3596-.38
1	ATI3596-.25	1	ATI3594-2X
1	ATI3596-.28	1	ATI3594-4X
1	Hex Wrench	2	T-Hex Wrenches

**ATI3600K Comprehensive Frangible Collar Installation Kit**

Comprehensive kit for installing frangible collar fasteners, including Hi-Lok® and Hi-Lite®.



**ATI3600K**

Kit includes:

1	ATI3594	1	ATI3595
1	ATI3596-.19	1	ATI3596-.34
1	ATI3596-.22	1	ATI3596-.38
1	ATI3596-.25	1	ATI3597-.38
1	ATI3596-.28	1	ATI3597-.44
1	ATI3596-.31	1	ATI3597-.50
1	ATI3594-2X	1	ATI3597-3X
1	Hex Wrench	4	T-Hex Wrenches

**ATISK3539A5 Roller Clutch Wrench Kit, 5-PC**



Kit includes:

1	ATI2979U	1	ATI3539IT14
1	ATISK3539	1	ATI3539I1132
1	ATI3539IT732	1	ATI3539IT516

**ATISK3539A8 Roller Clutch Wrench Kit, 8-PC**



Kit includes:

1	ATI2979U	1	ATI3539I1132
1	ATISK3539	1	ATI3539IT516
1	ATISK3539R	1	ATI3539IT38
1	ATI3539IT732	1	ATI3539IT716
1	ATI3539IT14		

**ATISK3539LPR Roller Clutch Wrench Kit**

This Roller Clutch Wrench Kit consists of two clutch-driven handles, seven insertion tools and three hex wrenches. The sockets and square drive can be inserted in either side of the two-way handle, providing both insertion and removal capabilities. The operator simply removes the socket from one end, and inserts it into the other, to reverse the installation process. These shallow sockets extend 1/4" beyond the thickness of the handle. Assembled, the working end of the tool measures a mere 3/4", allowing maximum close-quarter flexibility.



ATI3588K

**FRANGIBLE COLLAR REMOVAL SOCKET KIT  
ATI3588K**

Comprehensive kit designed for removing various frangible collars including Hi-Lok® and Hi-Lite® fasteners. Sizes 5/32", 3/16", and 1/4"

Kit includes:

1	ATI3594	1	ATI3585-8C
1	ATI3585-5B	1	ATI2979U
1	ATI3585-6A	1	ATI3594-2X
1	ATI3585-6B	1	ATI3594-4X
1	ATI3585-8A	1	Hex Wrench
1	ATI3585-8B	2	T-Hex Wrench



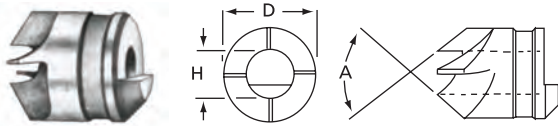
**FRANGIBLE COLLAR REMOVAL  
SOCKET KIT ATI3581K**

Comprehensive kit for removing Hi-Lok®, Hi-Lite®, and Eddie Bolt® collars. Kit includes 1 each of the items below plus applicable hex wrenches.

ATI3594	ATI3581-8
ATI3595	ATI3581-10
ATI2979U	ATI3581-12
1214RC	ATI3594-2X
ATI3581-5	ATI3594-4X
ATI3581-6	

**ATI590CSK**

- Provides countersinking versatility
- Includes one ball-bearing, .0005 adjustable depth Microstop for precise, accurate countersinking
- Includes an assortment of popular skirt and nose piece configurations
- Includes nine 1/2" diameter, 100° cutters with pilots of #40, #30, #21, #10, 3/32", 1/8", 5/32", 3/16", and 1/4"



**ATI590TA BACK COUNTERSINK KIT**

Compact kit for shop or field service requirement. Contains 8 cutters and 8 gunlock pilots.

Part No.	QTY	Part No.	QTY
ATI402B-4	1	ATI404-1	1
ATI402C-4	1	ATI404-2	1
ATI402F-4	1	ATI404-3	1
ATI402I-4	1	ATI4044	1
ATI402Q-4	1	ATI4045	1
ATI402S-4	1	ATI404-6	1
ATI402V-4	1	ATI404-7	1
ATI402X-4	1	ATI404-8	1



**ATI590S BACK SPOTFACER KIT**

Compact kit for shop or field service requirement. Contains 8 cutters and 8 gunlock pilots.

Part No.	QTY	Part No.	QTY
ATI403A	1	ATI404-1	1
ATI403C	1	ATI404-2	1
ATI403F	1	ATI404-3	1
ATI403I	1	ATI4044	1
ATI403M	1	ATI4045	1
ATI403R	1	ATI404-6	1
ATI403V	1	ATI404-7	1
ATI403X	1	ATI404-8	1

**DIMPLE DIE KIT**

**ATI206A-24PC**

- Kit contains 24 male and female dimple dies for use with hand and stationary rivet squeezers
- Dies contained in a sturdy, tool-control style box



**SAFETY PRECAUTION:** Read and follow all safety and operating instructions.  
**WARNING:** Face & eye protection must be worn while operating power tools, per ANSI B186.1

# ATI TOOLS

## MODEL NUMBER INDEX



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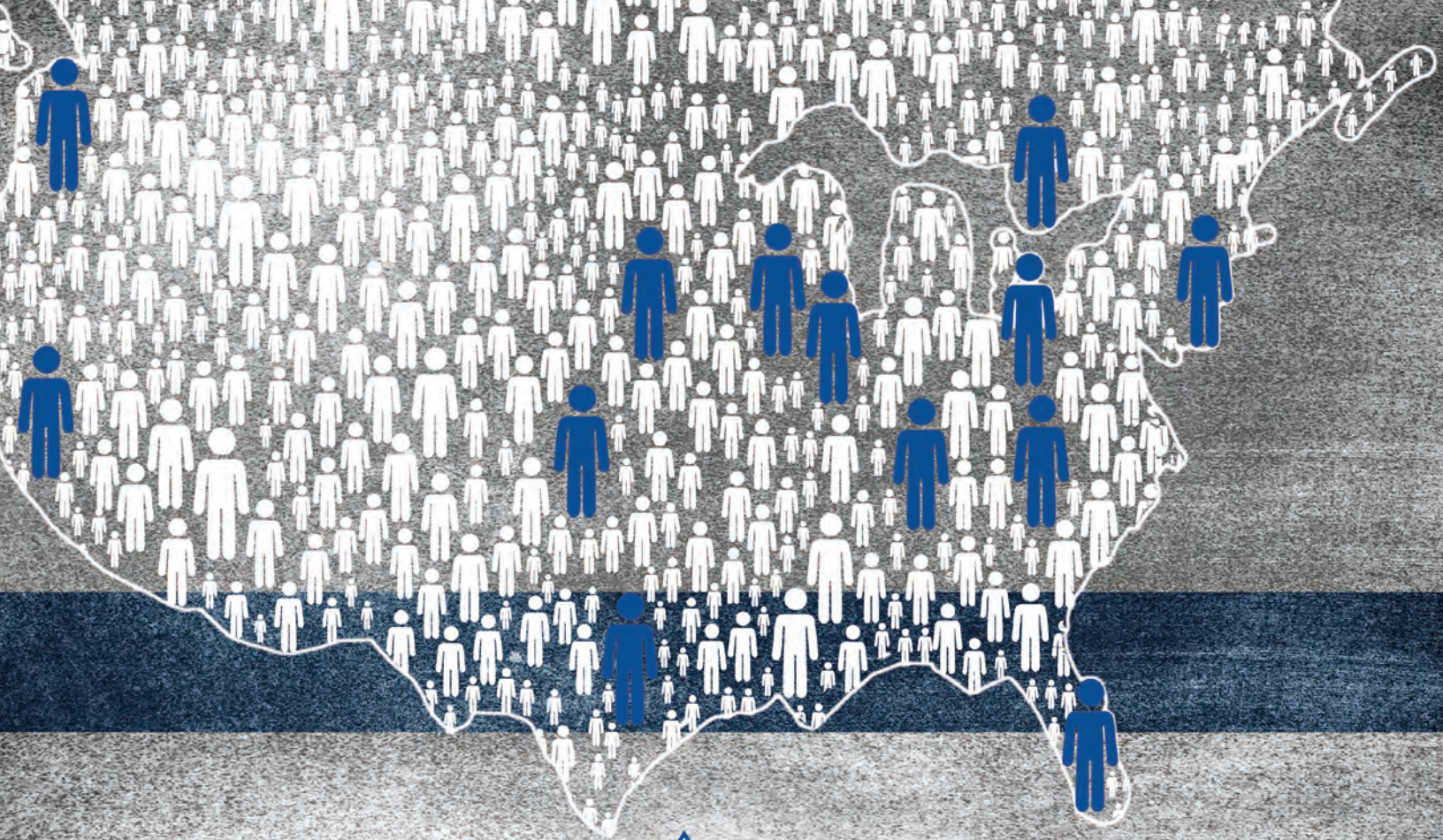
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ATI518ME	14	ATI518UF	15	ATI520CTT7RH	81	ATI5553WNXL	53,87	ATI589A-3T156	8	ATI634	42
ATI518MF	14	ATI518V	14	ATI520D	79	ATI556HNX	53,88	ATI589A-3T159	8	ATI634T	39
ATI518MK	14	ATI518W	14	ATI520DK	79	ATI556MHD	53,87	ATI589A-3T161	8	ATI634TX	39
ATI518ML	14	ATI518X	14	ATI520H	82	ATI556MHD	53,87	ATI589A-3T177	8	ATI637	39
ATI518MN	14	ATI518YF	12	ATI520HK	82	ATI556WNX	53,87	ATI589A-3T187	8	ATI638	42,45,36,84
ATI518MP	14	ATI518ZX	14	ATI520J	80	ATI556WNXL	53,87	ATI589A-3T193	8	ATI639	42
ATI518MR	14	ATI520CB-10	82	ATI520JK	80	ATI560A-3	91,92	ATI589A-3T234	8	ATI640	42
ATI518MT	14	ATI520CB-12	82	ATI520SG	80	ATI560A-4	91,92	ATI589A-3T250	8	ATI642	42
ATI518MU	14	ATI520CB-2	80	ATI521A	57	ATI560CF12	91	ATI589AA	7,96	ATI643	42
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ATI518NA	14	ATI520CD-2	80	ATI529	87	ATI560CF36	91	ATI589AB125	8	ATI648	43
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ATI518NASAA6	13	ATI520CD-7	80	ATI532-63	85	ATI560MF18	91	ATI589AB-166	8	ATI662	43
ATI518NASBA2	12	ATI520CD-8	80	ATI532-64	85	ATI560MF24	91	ATI589AB-173	8	ATI668	43
ATI518NASBA3	12	ATI520CDB-10	82	ATI532-65	85	ATI560MF-36	91	ATI589AB-177	8	ATI670	36,43,45,36,84
ATI518NASBA4	12	ATI520CDB-2	80	ATI532-66	85	ATI560MFE12	91	ATI589AB1850	8	ATI672	43
ATI518NASBA6	12	ATI520CDB-3	80	ATI532-67	85	ATI560MFE18	91	ATI589AB1875	7,8,96	ATI681	36,43,45,36,84
ATI518NASCA5	14	ATI520CDB-4	80	ATI532-68	85	ATI560MFE24	91	ATI589AB1890	8	ATI686	43
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ATI518NASDA5	15	ATI520CDB-6	80	ATI532A-62	85	ATI560MHDF18	91	ATI589AB1935	7,8,96	ATI692	43
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ATI518RC	12	ATI520CSB-5	80	ATI540BL-7	90	ATI570-50	9	ATI590RGK3X	36,84	ATI760B-10	45
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ATISK3686-5F	90	SDR4A28F8L	10
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ATISK3686-7S	90	SDR4A28H8L	10
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ATISP20004	57	SDR4A48T8L	10
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# SIOUX TOOLS INDUSTRIAL CATALOG | CONVERSION CHART

INCH			MILLIMETER		MILLIMETERS		INCHES		FOOT POUNDS		NEWTON METERS	
1/64	.0156	0.397	26	1.0236	94	3.7008						
1/32	.0312	0.794	27	1.0630	95	3.7402			18	24.4	85	115.2
	.0394	1.000	28	1.1024	96	3.7795			19	25.8	86	116.6
3/64	.0469	1.191	29	1.1417	97	3.8189			20	27.1	87	117.9
1/16	.0625	1.587	30	1.1811	98	3.8583			21	28.4	88	119.3
5/64	.0781	1.984	31	1.2205	99	3.8976			22	29.8	89	120.7
	.0787	2.000	32	1.2598	100	3.9370			23	31.2	90	122.0
3/32	.0937	2.381	33	1.2992	110	4.3307			24	32.5	91	123.4
7/64	.1094	2.778	34	1.3386	120	4.7244			25	33.9	92	124.7
	.1181	3.000	35	1.3780	130	5.1181			26	35.3	93	126.0
1/8	.1250	3.175	36	1.4173	140	5.5118			27	36.6	94	127.4
9/64	.1406	3.572	37	1.4567	150	5.9055			28	38.0	95	128.8
5/32	.1562	3.969	38	1.4961	160	6.2992			29	39.3	96	130.2
	.1575	4.000	39	1.5354	200	7.8740			30	40.7	97	131.5
11/64	.1719	4.366	40	1.5748	300	11.8110			31	42.0	98	132.9
3/16	.1875	4.762	41	1.6142	400	15.7480			32	43.4	99	134.2
	.1968	5.000	42	1.6535	500	19.6850			33	44.7	100	135.6
13/64	.2031	5.159	43	1.6929	600	23.6220			34	46.1	110	149.0
7/32	.2187	5.556	44	1.7323	700	27.5591			35	47.5	115	156.0
15/64	.2344	5.953	45	1.7717	800	31.4961			36	48.8	120	163.0
	.2362	6.000	46	1.8110	900	35.4331			37	50.2	125	170.0
1/4	.2500	6.350	47	1.8504	1000	39.3701			38	51.5	130	176.0
17/64	.2656	6.747	48	1.8898			<b>INCH POUNDS</b>	<b>NEWTON METERS</b>	39	52.9	135	183.0
	.2756	7.000	49	1.9291					40	54.2	140	190.0
9/32	.2812	7.144	50	1.9685	5	0.565			41	55.6	145	197.0
19/64	.2969	7.541	51	2.0079	10	1.13			42	56.9	150	203.0
5/16	.3125	7.937	52	2.0472	15	1.70			43	58.3	155	210.0
	.3150	8.000	53	2.0866	20	2.26			44	59.7	160	217.0
21/64	.3281	8.334	54	2.1260	25	2.83			45	61.0	165	224.0
11/32	.3437	8.731	55	2.1654	30	3.39			46	62.4	170	231.0
	.3543	9.000	56	2.2047	35	3.96			47	63.7	175	237.0
23/64	.3594	9.128	57	2.2441	40	4.52			48	65.0	180	244.0
3/8	.3750	9.525	58	2.2835	45	5.09			49	66.4	185	251.0
25/64	.3906	9.922	59	2.3228	50	5.65			50	67.8	190	258.0
	.3937	10.000	60	2.3622	60	6.78			51	69.1	195	264.0
13/32	.4062	10.319	61	2.4016	70	7.91			52	70.5	200	271.0
27/64	.4219	10.716	62	2.4409	80	9.04			53	71.9	225	305.0
	.4331	11.000	63	2.4803	90	10.17			54	73.2	250	339.0
7/16	.4375	11.112	64	2.5197	100	11.3			55	74.6	275	373.0
29/64	.4531	11.509	65	2.5591	110	12.4			56	75.9	300	407.0
15/32	.4687	11.906	66	2.5984	120	13.6			57	77.3	350	474.0
	.4724	12.000	67	2.6378	130	14.7			58	78.6	400	542.0
31/64	.4844	12.303	68	2.6772	140	15.8			59	80.0		
1/2	.5000	12.700	69	2.7165	150	17.0			60	81.3	<b>HEX SOCKET CONVERSIONS</b> 10mm=0.394" 11mm=0.433" 12mm=0.472" 13mm=0.512" 14mm=0.551" 15mm=0.591" 16mm=0.630" 17mm=0.669" 18mm=0.704" 19mm=0.748" 20mm=0.787" 21mm=0.827"	
	.5118	13.000	70	2.7559	160	18.1			61	82.7		
33/64	.5156	13.097	71	2.7953	170	19.2			62	84.0		
17/32	.5312	13.494	72	2.8346	180	20.3			63	85.4		
35/64	.5469	13.891	73	2.8740	190	21.5			64	86.8		
	.5512	14.000	74	2.9134	200	22.6			65	88.1		
9/16	.5625	14.287	75	2.9528			<b>FOOT POUNDS</b>	<b>NEWTON METERS</b>	66	89.5		
37/64	.5781	14.684	76	2.9921					67	90.8		
	.5906	15.000	77	3.0315					68	92.2		
19/32	.5937	15.081	78	3.0709	1	1.356			69	93.5		
39/64	.6094	15.478	79	3.1102	2	2.7			70	94.9		
5/8	.6250	15.875	80	3.1496	3	4.0			71	96.3		
	.6299	16.000	81	3.1890	4	5.4			72	97.6		
41/64	.6406	16.272	82	3.2283	5	6.8			73	99.0		
21/32	.6562	16.669	83	3.2677	6	8.1			74	100.3		
	.6693	17.000	84	3.3071	7	9.5			75	101.7		
43/64	.6719	17.066	85	3.3465	8	10.8			76	103.0		
11/16	.6875	17.462	86	3.3858	9	12.2			77	104.4		
45/64	.7031	17.859	87	3.4252	10	13.5			78	105.8		
	.7087	18.000	88	3.4646	11	14.9			79	107.1		
23/32	.7187	18.256	89	3.5039	12	16.3			80	108.5		
47/64	.7344	18.653	90	3.5433	13	17.6			81	109.8		
	.7480	19.000	91	3.5827	14	18.9			82	111.2		
3/4	.7500	19.050	92	3.6220	15	20.3			83	112.5		
49/64	.7656	19.447	93	3.6614	16	21.7			84	113.9		
25/32	.7812	19.844			17	23.0						
	.7874	20.000										
51/64	.7969	20.241										
13/16	.8125	20.637										
	.8268	21.000										
53/64	.8281	21.034										
27/32	.8437	21.431										
55/64	.8594	21.828										
	.8661	22.000										
7/8	.8750	22.225										
57/64	.8906	22.622										
	.9055	23.000										
29/32	.9062	23.019										
59/64	.9219	23.416										
15/16	.9375	23.812										
	.9449	24.000										
61/64	.9531	24.209										
31/32	.9687	24.606										
	.9843	25.000										
63/64	.9844	25.003										
	1.0000	25.400										

Inch Lbs. x 0.113=Nm; Nm x 8.849=Inch Lbs.; Ft. Lbs x 1.356=Nm; Nm x 0.737=Ft. Lbs.



**ATI TOOLS**

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