



FREE SHIPPING!

For most orders over \$95 that are paid with a credit card and shipped to ANY address in the USA!



We are your source for QUALITY TOOLS from the brands you know and trust. Anyone can sell you a 'cheap' tool; we want to sell you high quality tools that help you do your job day in and day out.

2536 SE 15th Street, Oklahoma City, OK 73129

Celebrating our 23rd year in business!

Brown Aviation Tool Supply Company - an American success story.

WELCOME TO OUR NEW **MASTER CATALOG**: **VOL.17**





As we enter our 23rd year in business, we are very proud to present our 17th Master Catalog! **We have added over 350 new products** since our last catalog including many new specialty tools designed to help you work with the advanced composite materials found in today's aircraft structures. We think you will agree that we have the most comprehensive and complete selection of quality tools for aircraft structures work in the industry! We have earned our reputation of being the one-stop supplier of tools needed to build and repair aircraft structures.

As you browse our catalog, be sure to look for the "Made in the USA!" icon throughout our pages. While other tool companies continue to discontinue American made products and replace them with low-cost imports, we are committed to offering a large selection of high-quality American made products. In fact, **over 70% of our products are MADE IN THE USA!** Keep this in mind when comparing our prices to the "low-cost" tools sold by others. We think it is worth it to pay a little bit more for a high-quality American made tool. The old adage of "**you get what you pay for"** has never been truer than when it comes to tools.

To our long time customers, many of which have been doing business with us since our start in 1991, we say thank you! We appreciate your business and look forward to serving you for many more years. To our newest customers, we say welcome! All of us at Brown Tool are committed to providing the highest quality tools with the best customer service in our industry. We know that our customers have several fine companies to choose from when buying aircraft tools and it is our goal to make Brown Tool your first choice.

We ALWAYS APPRECIATE your business!



Michael Brown



COMPANY HISTORY

Brown Aviation Tool was founded in 1991 by Michael Brown. Michael had been an aircraft structures mechanic and realized the need for quality tools at reasonable prices. He began the company be travelling all over Oklahoma, Texas and Arkansas and selling used and surplus tools from the back of his pick-up truck. When not on the road selling his wares, the tubs of surplus and used tools were stored in the dining room of his apartment. In 1992, Michael rented a very small, 300 square foot, storefront near the Oklahoma City airport. The first "catalogs" consisted of typed pages with glued in place pictures that were then photocopied in black and white at the local print shop. Every few years, continued growth of the business dictated a move to a larger facility, and after three of these moves, it was decided that the company needed a permanent owned facility. In 2005, Brown Aviation Tool purchased a 10,200 square foot warehouse and office building on 4.6 acres of land in the heart of Oklahoma City. The company headquarters is now located just minutes from the front gate of Tinker Air Force Base and is less than one mile from the junction of I-35 and I-40. Since the move in 2005, the company has continued to grow. It is expected that a new office and additional warehouse space will be built adjacent to the company's current building in 2013.

In just over 22 years, Brown Aviation Tool has grown from a very small one man operation headquartered in Michael's apartment dining room to one of the largest suppliers of aircraft structures tools in the world. The Brown Aviation Tool Supply story is a perfect example of the "American Dream" and demonstrates what can happen with a lot of hard work and a little bit of luck.

Today, Brown Tool's customers are a who's who of the global aviation industry. Hundreds of shipments leave the Brown Tool warehouse every week headed to major air-frame manufacturers, major and regional airlines, military customers, repair stations, defense contractors, technical schools, kit builders, and individual technicians all over the world.

The Brown Tool team represents over 93 years of company service. Front Row: Brenda Curby (12 years), Angle Valis (14 years), Michael Brown (22 years), Jeremy Busche (8 years), Peggy Baker (1 year), Back Row: Kyle Compton (9 years), John Tyler (12 years), Scott Compton (8 years), Bobby Martinez (6 years), Cody Quirk (1 year)



ORDERING INFORMATION

You may order by phone using our toll free number, by FAX 24 hours a day, or by mail. You may also order on-line at our secure and state of the art website: www.browntool.com. If you are ordering by phone, please have your order written down before you call so that we may take your order as efficiently as possible. If ordering by mail, please use the order form in the back of this catalog and ensure that all requested information is provided.

Because we have one of the largest "on-the-shelf" inventories in the industry, most orders are shipped the very same day they are received. In the event an item must be backordered, you will be advised promptly about the expected delivery date. We do our best to keep all catalog items in stock at all times, however we occasionally are backordered by our suppliers.

Terms and Conditions

Pricing: Prices are current at the time of printing. Of course, we reserve the right to adjust pricing at any time to reflect current market conditions. Because our catalogs are planned and printed months in advance, please call or check our website for the most up-to-date pricing and availability information.

We are only human and thus we reserve the right to correct any technical or printing errors.

Product Descriptions: We are committed to accurate and honest descriptions of our products. Technical information including country of origin information where indicated is current and believed to be accurate at time of printing. Due to circumstances beyond our control, it is conceivable that a supplier could change the location where they manufacture a tool after the printing of this catalog - again, the most up-to-date information will be found on our website. Pictures are for illustration purposes only and slight differences not affecting the performance or function of the tool involved are possible.







Payment: We accept Visa, MasterCard, American Express, Discover and personal or company checks. Government credit cards are also gladly accepted. Net 30 accounts are available to firms that have completed and signed our credit application and are properly rated with Dun & Bradstreet. We no longer accept C.O.D. orders.

Minimum Order: In order to keep our overall prices low, our minimum order amount is \$35 in the USA. (Due to the extra handling and customs paperwork required for foreign orders, the minimum order amount for Canadian orders is \$50 and anywhere else in the world the minimum is \$100.) Any USA order not meeting the minimum will be assessed a \$5 small order charge. Foreign orders not meeting the minimum will not be accepted.

Shipping Policy: We offer FREE Standard Shipping to ANY ADDRESS in the USA (including Alaska, Hawaii, and APO addresses) for most prepaid orders over \$95. (less than 1% of our products are not eligible for free shipping - mainly large sheet metal brakes and shears and are clearly marked as ineligible in our catalog.) For orders not eligible for free shipping, shipping costs will be added to your invoice.

Expedited shipping is available - we can ship overnight or guaranteed second day via UPS, DHL, FedEx, or BAX Global. We can add the expedited shipping charges to your invoice, or we can bill the shipping charges collect against your account with the carrier.

CAGE Code: For our U.S. Government customers, our CAGE code is **OZT94**.

Foreign Orders: Orders from outside the USA are accepted and appreciated. Our international department is quite familiar with the necessary steps to get your tools to you quickly and safely at the lowest cost. For foreign orders, payment in full must be received prior to shipment. Payment may be made by credit card, international money order, or bank wire transfer. A pro-forma invoice will be provided to permit pre-payment. All duties and taxes are the responsibility of the purchaser. All prices and transactions are quoted in US Dollars.

Trademarks: All trademarks used in this catalog are the property of their respective owners and their use does not indicate approval or endorsement of Brown Aviation Tool Supply Co. by the trademark owner.

Returns: Any tool thought to be defective may be returned freight prepaid to Brown Aviation Tool Supply Co. and will be evaluated for repair, replacement, or credit provided it has not been altered, abused, or misused in any manner. Special order items and items not normally kept in stock are not returnable under any circumstance. Any item returned due to an error or mistake of the customer is subject to a re-stocking fee of 15% and is subject to our acceptance - the item must be in new sellable condition and include all packaging, accessories, and manuals if applicable. In some cases, as a courtesy, we will waive the re-stocking fee if you are placing an offsetting order.

Safety & Risk of Use: All items that we sell are sold with the understanding that the purchaser shall determine the suitability of the product for his or her intended use and assume all risk and liability in connection therewith. Common sense and various local, state, and federal laws require the constant use of approved safety equipment when working with any tool. Approved protective equipment including eye and ear protection is ALWAYS required when working with any cutting, rotary, or percussion tool such as the ones found in this catalog.

Customer Service

We sincerely appreciate your business! Everyone at Brown Tool is committed to nothing less than excellent customer service. If you ever have a problem with your order or your tools, please contact us immediately on our toll-free line so that we may assist you. We are a customer driven company and we know that our long term success depends on your absolute satisfaction. We know that you have several companies to choose from when buying aircraft tools and it is our intention to make Brown Aviation Tool Supply your preferred choice.

Retail Store: In conjunction with our world-wide mail order operation, we operate a retail sales counter at our Oklahoma City warehouse. If you are ever in the area, we invite you to stop by and visit. Our hours are Monday thru Friday from 8:30 am to 5:30 pm, central time.



WHAT'S NEW!



ELASTIC FASTENER SPACER (PAGE 18)



HALF-FINGER RIVETING GLOVES (PAGE 25)



Here are just a few examples of the over 350 new products we have added since our last master catalog.



TRIPLE CYLINDER SQUEEZERS
(PAGE 29)



NO-MAR DRILL STOPS (PAGE 50)



KEVLAR® CUTTERS (PAGE 63)



SOLID CARBIDE THREADED DRILL BITS
(PAGE 78)



SIOUX™ 13 PIECE RIVET SHAVER KIT (PAGE 87)



DOTCO® PENCIL GRINDER (PAGE 103)



3 PIECE SEALANT SPATULA KIT (PAGE 140)



STARRETT® CALIPERS (PAGE 158)



LED FLASHLIGHTS (PAGE 173)



SHEET METAL TECHNICIANS TOOL BAG KIT

Great starter kit for aircraft sheet metal technicians, technical school students, or kit builders. Contains the necessary tools for most basic riveting, drilling, and countersinking applications.

Kit contains:

1ea.	Taylor® 3X or 4X Rivet Gun (specify)	\$194.95
1ea.	Taylor® T-7788 3/8" Air Drill	\$82.95
4ea.	Straight Rivet Sets (3/32", 1/8", 5/32", & 3/16")	\$31.80
1ea.	Flush Rivet Set (for countersunk rivets)	\$10.95
1ea.	Microstop Countersink Cage	\$21.95
4ea.	Threaded Countersink Cutters (#40, #30, #21, & #10)	\$25.16
2ea.	Bucking Bars (our two most popular styles)	\$40.90
1ea.	Cleco Pliers	\$6.95
24ea.	Spring Clecos (6ea. of: 3/32", 1/8", 5/32", & 3/16")	\$10.56
2ea.	Retaining Springs (beehive & quick change)	\$5.95
1ea.	Mechanics Tool Bag	\$12.95

Our normal price for these items if purchased separately would be \$445.07. However, if you purchase this kit, your price is only \$379.95, you save \$49.12!

Order Part Number:

TBG-KIT-3X Kit with 3X Rivet Gun \$395.95
TBG-KIT-4X Kit with 4X Rivet Gun \$395.95

Upgrade your kit! We can substitute a Sioux[™] Rivet Gun and Sioux[™] Drill in place of the Taylor[®] products in our Tool Bag Kit as follows:

TBG-SDR3X Includes a Sioux model 270A (3X) Rivet Gun and a Sioux model SDR6P26N3 3/8" Air Drill. **\$589.95**

TBG-SDR4X Includes a Sioux model 270A-4 (4X) Rivet Gun and a Sioux model SDR6P26N3 3/8" Air Drill. **\$619.95**



15 PIECE RIVETING KIT

This kit includes the necessary tools for most riveting applications and is intended for the professional sheet metal technician, home builder, or A&P student.

Kit contains:

MIL COI	Kit Contains.					
1ea.	Taylor 3X or 4X Rivet Gun (specify)	\$194.95				
4ea.	Straight Rivet Sets (3/32", 1/8", 5/32", & 3/16")	\$31.80				
4ea.	Offset Rivet Sets (3/32", 1/8", 5/32", & 3/16")	\$33.80				
1ea.	Flush Rivet Set (for countersunk rivets)	\$10.95				
2ea.	Retaining Springs (beehive & quick change)	\$5.95				
2ea.	Bucking Bars (our two most popular styles)	\$40.90				
1ea.	Brass Air Regulator	\$7.45				

Our normal price for these items if purchased separately would be \$325.80. However, if you purchase the kit, your price is only \$287.95, you save \$37.85!

Order Part Number:

KIT-15-3X Kit with 3X Rivet Gun \$287.95 KIT-15-4X Kit with 4X Rivet Gun \$287.95

Upgrade your kit! We can substitute a Sioux[™] Rivet Gun in place of the Taylor[®] in our Rivet Gun Kit as follows:

KIT-15-270A Kit with Sioux 3X Rivet Gun \$381.95 KIT-15-270A4 Kit with Sioux 4X Rivet Gun \$414.95

Many more rivet sets and riveting tools are available on our website at www.browntool.com.



RIVET GUN KITS

12 PIECE TIGHT AREA "CORNER" RIVET GUN KIT

This Comprehensive kit includes our model BAT-1X "Short Shank" Rivet Gun as well as a complete selection of straight and offset "Short Shank" Rivet Sets.



Kit includes:

1ea.	BAT-1X "Short Shank" Jiffy Style Rivet Gun	\$189.95
4ea.	Straight "Short Shank" Rivet Sets (3/32", 1/8", 5/32", & 3/16")	\$39.80
4ea.	Offset "Short Shank" Rivet Sets (3/32", 1/8", 5/32", & 3/16")	\$43.80
1ea.	Flush "Short Shank" Rivet Set	\$9.95
2ea.	"Quick Change" Retaining Spring	\$5.95
1ea.	Plastic Storage Box for Rivet Sets	\$5.95

Our normal price for these items if purchased separately would be \$295.40. However, if you purchase the kit, your price is only \$239.95, you save \$55.45! Order Part Number: BAT-1XKIT \$239.95

376 PIECE MASTER SHEET METAL TOOL KIT

Our Master Sheet Metal Tool Kit contains just about everything you will need to build or maintain any sheet metal aircraft. It is especially useful for builders of the popular RV, Mustang, or Glastar home-built aircraft. Our kit contains tools you will use! It is not loaded with "fluffy" tools, which have little or no use. If you want to add or delete an item, just ask! We are more than happy to customize the kit to your specific needs.



Kit Contains:

THE COILE		
1 ea.	TAYLOR 3X or 4X Rivet Gun (specify)	\$194.95
4 ea.	Straight Rivet Sets (3/32", 1/8", 5/32", & 3/16")	\$31.80
4 ea.	Offset Rivet Sets (3/32", 1/8", 5/32", & 3/16")	\$33.80
1 ea.	Flush Rivet Set with Rubber Guard	\$10.95
2 ea.	Retaining Springs (beehive & quick change)	\$5.95
1 ea.	Brass Air Regulator	\$7.45
4 ea.	Bucking Bars (our four most popular)	\$84.80
1 ea.	Cleco Pliers	\$6.95
150 ea.	3/32" Spring Clecos	\$66.00
100 ea.	1/8" Spring Clecos	\$44.00
25 ea.	5/32" Spring Clecos	\$11.00
25 ea.	3/16" Spring Clecos	\$11.00
5 ea.	Cleco Side Grip Clamps	\$9.95
1 ea.	Rivet Cutters (Model RC01)	\$22.95
4 ea.	Drill Stops (#40, #30, #21, & #10)	\$7.80
1 ea.	TAYLOR Model T-7788 3/8" Air Drill	\$82.95
1 ea.	Microstop Countersink Cage	\$21.95
4 ea.	Countersink Cutters (#40, #30, #21, & #10)	\$25.16
1 ea.	TATCO 1-1/2" Hand Rivet Squeezer	\$144.95
6 ea.	Rivet Squeezer Sets	
	(3/32", 1/8", 5/32", 3/16" & two flush)	\$31.70
1 ea.	3/32" Rivet Dimple Die Set	\$18.95
1 ea.	1/8" Rivet Dimple Die Set	\$18.95
1 ea.	6" EZ Read Machinist Scale	\$7.85
1 ea.	Automatic Center Punch	\$8.95

1.95	5 ea.	Hole Finders	
.80		(Strap Duplicators - #40, #30, #21, #10 & 1/4")	\$39.75
.80	1 ea.	90 Degree Threaded Drill Attachment	\$45.95
).95	4 ea.	Threaded Drill Bits (#40, #30, #21, & #10)	\$8.70
5.95	1 ea.	Pencil Style Deburring Tool	\$10.95
7.45	6 ea.	#40 Drill Bits	\$6.30
.80	6 ea.	#30 Drill Bits	\$6.42
.95	3 ea.	#21 Drill Bits	\$3.99
.00	3 ea.	#10 Drill Bits	\$4.74
.00	1 ea.	1/4" Drill Bit	\$1.69
.00	1 ea.	BoeLube Drilling Lubricant	\$3.95

Our normal price for these items if purchased separately would be \$1043.30. However, if you purchase the kit, your price is only - \$927.95. You save \$115.35!

Order Part Number:

MS-KIT-3X Kit with 3X Rivet Gun \$927.95 MS-KIT-4X Kit with 4X Rivet Gun \$927.95

Upgrade your kit! We can substitute a Sioux[™] Rivet Gun and Sioux[™] Drill in place of the Taylor[®] products in our 376 Piece Master Sheet Metal Tool Kit as follows:

MS-KIT-SDR3X Includes a Sioux model 270A (3X) Rivet Gun and a Sioux model SDR6P26N3 3/8" Air Drill. **\$1116.95**

MS-KIT-SDR4X Includes a Sioux model 270A-4 (4X) Rivet Gun and a Sioux model SDR6P26N3 3/8" Air Drill. **\$1148.95**



RV KITBUILDER TOOL KITS

NEW IMPROVED FOR 2013!



DELUXE RV TOOL KIT - 658 PIECES!

Designed specifically for the builders of the Van's Aircraft RV Series - Includes tools recommended by Van's along with the addition of several tools that we know you will use! We have been providing tools to RV builders for over 20 years and we have updated this kit based on the feedback and experience of hundreds of RV builders. We do not load our kits with "fluffy" tools that you will never use just to drive the overall cost up! Please compare our kit "apples to apples" against any kit on the market and we are confident you will see that we offer the absolute lowest delivered cost. As one of the largest suppliers of aircraft tools to the government, major aircraft factories, and major airlines, we put our buying power to work to make sure we are offering the best value. Use the money you save by buying your tools from us to upgrade your avionics panel or buy fuel for your airplane!



Our normal catalog price for these items if purchased separately would be \$1919.41. Buy this Deluxe RV Kit and pay only \$1669.95 - you save \$249.46!

DLXRV-3X Deluxe RV Kit with 3X Rivet Gun \$1669.95
DLXRV-2X Deluxe RV Kit with 2X Rivet Gun \$1669.95

And don't forget, we offer FREE Shipping for orders over \$95 to any address in the USA (including Alaska, Hawaii, and APO!) if you pay with a credit card.

Kit includes:

QTY	PART NO.	DESCRIPTION	PRICE EA.	TOTAL	QTY	PART NO.	DESCRIPTION	PRICE EA.	TOTAL	QTY	PART NO.	DESCRIPTION	PRICE EA.	TOTAL
1	BATCO-3X	BATCO 3X Rivet Gun w/ Regulator	\$ 165.95	\$165.95	1	10SN	Left Cut Tin Snips	\$19.85	\$19.85	1	DS40	#40 Drill Stop	\$1.95	\$1.95
1	69Q	Quick Change Retaining Spring	\$5.95	\$5.95	1	K-200	Cleco Pliers	\$6.95	\$6.95	1	DS30	#30 Drill Stop	\$1.95	\$1.95
1	1002-6	1/8" Straight Rivet Set, 3-1/2"	\$7.95	\$7.95	4	KSG3/4X1/2	1/2" Side Grip Cleco Clamps	\$1.99	\$7.96	1	DS21	#21 Drill Stop	\$1.95	\$1.95
1	FR010	Flush Set with Rubber Guard	\$10.95	\$10.95	4	KSG3/4X1	1" Side Grip Cleco Clamps	\$1.99	\$7.96	1	DS10	#10 Drill Stop	\$1.95	\$1.95
1	SM130-4704	1/8" Double Offset Rivet Set	\$18.95	\$18.95	325	K-3/32	3/32" Spring Clecos	\$0.44	\$143.00	1	21098	#40 Short Cobalt Threaded Drill Bit	\$1.89	\$1.89
1	BAT-1048	Back Rivet Shooter	\$23.95	\$23.95	175	K-1/8	1/8" Spring Clecos	\$0.44	\$ 77.00	1	21128	#30 Short Cobalt Threaded Drill Bit	\$1.99	\$1.99
1	BB29	Heel & Toe Bucking Bar	\$19.95	\$19.95	25	K-5/32	5/32" Spring Clecos	\$0.44	\$ 11.00	1	21159	#21 Short Cobalt Threaded Drill Bit	\$2.19	\$2.19
1	BB74	Small Bucking Bar	\$19.95	\$19.95	25	K-3/16	3/16" Spring Clecos	\$0.44	\$11.00	1	21193	#10 Short Cobalt Threaded Drill Bit	\$2.63	\$2.63
1	TSBB-01	Tungsten Bucking Bar	\$ 169.95	\$ 169.95	1	HR2-2	Pop Rivet Tool	\$24.95	\$24.95	1	BAT-RHG02	Shop Head Rivet Gage Set	\$9.95	\$9.95
1	T-9888SPC	TAYLOR Mini Palm Drill	\$149.95	\$149.95	-1	THS30	3" TATCO Hand Rivet Squeezer	\$ 179.95	\$179.95	1	BAT-RLG01	Rivet Length Gage	\$7.45	\$7.45
1	7922R	Swivel Air Regulator	\$14.95	\$14.95	-1	2002-8	1/8" Cupped Rivet Squeezer Set	\$5.45	\$5.45	1	BAT-685-1	Rivet Tape	\$7.85	\$7.85
1	CC01	Microstop Countersink Cage	\$21.95	\$21.95	-1	2003-16	1/2" Dia. Flush Rivet Squeezer Set	\$4.95	\$4.95	1	B0E-001	BoeLube Drilling Lubricant	\$3.95	\$3.95
1	CC040	#40 Countersink Cutter	\$6.29	\$6.29	-1	2003-3	3/8" Dia. Flush Rivet Squeezer Set	\$4.95	\$4.95	1	ACP-001	Automatic Center Punch	\$8.95	\$8.95
1	CC030	#30 Countersink Cutter	\$6.29	\$6.29	1	DD332	3/32" Dimple Die	\$18.95	\$18.95	1	SCR-8	Two Point Scribe	\$8.45	\$8.45
1	CC019	#19 Countersink Cutter	\$6.29	\$6.29	1	DD18	1/8" Dimple Die	\$18.95	\$18.95	1	CHIP-2PC	2 Pc Chip Chaser Set, Red Handle	\$5.95	\$5.95
1	CC012	#12 Countersink Cutter	\$6.29	\$6.29	1	DDS8	#8 Screw Dimple Die	\$18.95	\$ 18.95	1	BAT-15002	Non-Marring Plastic Face Mallet	\$10.95	\$10.95
6	705SP-#40	#40 HSS Jobber Drill Bit	\$1.05	\$6.30	1	STDR-#3	#3 Step Drill	\$34.95	\$34.95	1	PP3/32	3/32" Pin Punch	\$5.49	\$5.49
6	705SP-#30	#30 HSS Jobber Drill Bit	\$1.07	\$6.42	1	WB06	6" Machinist's Scale	\$7.95	\$7.95	1	PP1/8	1/8" Pin Punch	\$4.95	\$4.95
3	705SP-#19	#19 HSS Jobber Drill Bit	\$1.33	\$3.99	1	WB24	24" Machinist's Scale	\$29.95	\$29.95	1	SAHB-6	Standard Aircraft Hand Book	\$24.95	\$24.95
3	705SP-#21	#21 HSS Jobber Drill Bit	\$1.33	\$3.99	1	93205	6" Polishing & Deburring Wheel	\$59.75	\$59.75	1	CR-#30	#30 Chucking Reamer	\$10.75	\$10.75
3	705SP-#27	#27 HSS Jobber Drill Bit	\$1.19	\$3.57	- 1	BAT-514	"Dove Tail" Edge Deburring Tool	\$10.95	\$10.95	1	CR-#40	#40 Chucking Reamer	\$9.95	\$9.95
3	705SP-#12	#12 HSS Jobber Drill Bit	\$1.55	\$4.65	1	BAT-FP01	Fluting Pliers	\$20.95	\$20.95	1	BAT-HSP95	Hand Seamer Pliers	\$14.95	\$14.95
1	705SP-1/4	1/4" HSS Jobber Drill Bit	\$1.69	\$1.69	1	ATO-4	Air Tool Oil	\$3.95	\$3.95	5	93463	Maroon Abrasive Hand Pad	\$1.39	\$6.95
1	#40HSS-12	#40 x 12" HSS Drill Bit	\$4.19	\$4.19	- 1	BAT-FBR-1	File Cleaning Brush	\$8.75	\$8.75	1	90318	2" Disc Holder	\$9.95	\$9.95
1	#30HSS-12	#30 x 12" HSS Drill Bit	\$4.69	\$4.69	1	BMCT-10	10" Curved Tooth File	\$20.75	\$20.75	5	66290	2" Maroon Abrasive Discs	\$0.99	\$4.95
1	BAT-DBUR6	Pencil Deburring Tool	\$10.95	\$10.95	- 1	BTR-20	Bench Top Riveter	\$ 214.95	\$214.95					
1	8SN	Right Cut Tin Snips	\$19.85	\$19.85	1	OM90	Economy 90° Drill Attachment	\$45.95	\$45.95					

RIVET SET KITS



All of the rivet sets you see on this page are made in the USA, please keep this in mind when comparing prices and quality with the imported rivet sets from Taiwan and China carried by some of our competitors. If a company does not tell you where their tools are made, what are they hiding? The American manufacturer of our rivet sets has been manufacturing the finest rivet sets and rivet tools for over 50 years. Shanks are precision ground, faces and cuppings are highly polished, and only the best steel is used. And most importantly, after over 50 years, our manufacturer has perfected the heat treat process for riveting tools – offering you a superb tool that you can take pride in and be proud to own.

5 PIECE STRAIGHT RIVETING SET KIT

Includes 4 ea. 3-1/2" Straight Cupped Rivet Sets in sizes 3/32", 1/8", 5/32", and 3/16". Also includes one model 1030-2

Flush Rivet Set. .401 shank. **Made in the USA!**

RIVSET-5 \$34.95



4 PIECE 7-1/2" LONG RIVET SET KIT

Includes 3/32", 1/8", 5/32", and 3/16" Cupped Rivet Sets. Choose straight or offset styles. .401 shank. Buy in kit form and save! **Made in the USA!**

RSKST-7 7-1/2" Straight Kit \$32.95

RSKOF-7 7-1/2" Offset Kit \$37.95



5 PIECE OFFSET RIVETING SET KIT

This handy mix includes 4 ea. 3-1/2" Offset Cupped Rivet Sets in sizes 3/32", 1/8", 5/32", and 3/16". Also includes one each model BAT-140 Offset Flush Set.

All are .401 shank.

Made in the USA!

OFFSET-5 \$40.95



4 PIECE 10-1/2" LONG RIVET SET KIT

Just like our other kits, this mix includes a 3/32", 1/8", 5/32", and 3/16" Cupped Rivet Set. Choose straight or offset style. .401 shank. **Made in the USA!** Save with the kit price!

RSKST-10 10-1/2" Straight Kit \$65.95

RSKOF-10 10-1/2" Offset Kit \$69.95



4 PIECE 5-1/2" LONG RIVET SET KIT

Buy in kit form and save! Includes 3/32", 1/8", 5/32", and 3/16" Cupped Rivet Sets. Choose straight or offset styles. .401 shank. **Made in the USA!**

RSKST-5 5-1/2" Straight Kit \$29.95

RSKOF-5 5-1/2" Offset Kit \$33.95



3 PIECE LONG FLUSH RIVET SET KIT

Choose straight or offset styles. Includes a 3-1/2", 5-1/2", and 7-1/2" Long Flush Rivet Set with 1" face. .401 shank. **Made in the USA!** Save by ordering in these handy kits.

RSKST-FL Straight Flush Kit \$42.95

RSKOF-FL
Offset Flush Kit
\$44.95





.401 SHANK RIVET SETS - STRAIGHT

Part Number	Size	Length	Price Each
1002-91	3/32"	2-1/2"	\$7.95
1002-92	1/8"	2-1/2"	\$7.95
1002-93	5/32"	2-1/2"	\$7.95
1002-94	3/16"	2-1/2"	\$7.95
1002-95	1/4"	2-1/2"	\$10.95
1002-1	3/32"	3-1/2"	\$7.95
1002-6	1/8"	3-1/2"	\$7.95
1002-11	5/32"	3-1/2"	\$7.95
1002-16	3/16"	3-1/2"	\$7.95
07/32RS	7/32"	3-1/2"	\$10.95
01/4RS	1/4"	3-1/2"	\$10.95
1002-2	3/32"	5-1/2"	\$8.95
1002-7	1/8"	5-1/2"	\$8.95
1002-12	5/32"	5-1/2"	\$8.95
1002-17	3/16"	5-1/2"	\$8.95
1002-22	1/4"	5-1/2"	\$10.95
1002-3	3/32"	7-1/2"	\$9.95
1002-8	1/8"	7-1/2"	\$9.95
1002-13	5/32"	7-1/2"	\$9.95
1002-18	3/16"	7-1/2"	\$9.95
1002-23	1/4"	7-1/2"	\$12.95
1002-4	3/32"	10-1/2"	\$19.95
1002-9	1/8"	10-1/2"	\$19.95
1002-14	5/32"	10-1/2"	\$19.95
1002-19	3/16"	10-1/2"	\$19.95
1002-5	3/32"	13-1/2"	\$21.95
1002-10	1/8"	13-1/2"	\$21.95
1002-15	5/32"	13-1/2"	\$21.95
1002-20	3/16"	13-1/2"	\$21.95



All of the rivet sets on this page are **made in the USA** and manufactured from high alloy steel and perfectly heat-treated for long life. Our .401 shanks are precision ground and our cuppings and faces are highly polished. Please keep this in mind when comparing to the low-cost imports from China & Taiwan offered by other tool suppliers.



.401 SHANK RIVET SETS - 10° OFFSET



All of the rivet sets on this page are **made in the USA** and manufactured from high alloy steel and
perfectly heat-treated for long life. Our .401 shanks
are precision ground and our cuppings and faces
are highly polished. Please keep this in mind when
comparing to the low-cost imports from China &
Taiwan offered by other tool suppliers.



Part Number	Size	Length	Price Each
1005-1	3/32"	3-1/2"	\$8.45
1005-6	1/8"	3-1/2"	\$8.45
1005-11	5/32"	3-1/2"	\$8.45
1005-16	3/16"	3-1/2"	\$8.45
1005-21	1/4"	3-1/2"	\$10.95
1005-2	3/32"	5-1/2"	\$9.95
1005-7	1/8"	5-1/2"	\$9.95
1005-12	5/32"	5-1/2"	\$9.95
1005-17	3/16"	5-1/2"	\$9.95
1005-22	1/4"	5-1/2"	\$12.95
1005-3	3/32"	7-1/2"	\$11.95
1005-8	1/8"	7-1/2"	\$11.95
1005-13	5/32"	7-1/2"	\$11.95
1005-18	3/16"	7-1/2"	\$11.95
1005-23	1/4"	7-1/2"	\$14.95
1005-4	3/32"	10-1/2"	\$20.95
1005-9	1/8"	10-1/2"	\$20.95
1005-14	5/32"	10-1/2"	\$20.95
1005-19	3/16"	10-1/2"	\$20.95
1005-5	3/32"	13-1/2"	\$23.95
1005-10	1/8"	13-1/2"	\$23.95
1005-15	5/32"	13-1/2"	\$23.95
1005-20	3/16"	13-1/2"	\$23.95



.401 SHANK FLUSH RIVET SETS

"MUSHROOM" FLUSH SET

Specially designed for flush riveting of thin skins. Highly polished face measures 2" across. 3" Overall Length.



BAT1019-2 \$36.95

FLUSH SET WITH RUBBER GUARD

Preferred by many technicians, this set features a rubber ring around the face to prevent damage to aircraft skin. Face diameter is 3/4".



FR010 \$10.95

SWIVEL FLUSH SET

For those hard to get on rivets.
This flush set will allow you to be off-angle from the rivet because the head of this tool swivels.
Head is 1-3/16" across. 3" overall length.





"NO-MAR" BACK RIVET SHOOTER

Spring loaded guard holds down skin while "back-riveting". 4-3/8" long.

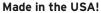
BAT-1048 \$23.95





"SUICIDE" FLUSH RIVET SETS

1/2" diameter flush face. Industry standard .401 shank. Choose straight or offset.





Part Number	Length	Style	Price Each
BAT-105-4	3-1/2"	Straight	\$9.95
BAT-105-40S	3-1/2"	Offset	\$10.45
BAT-105-5	5-1/2"	Straight	\$10.95
BAT-105-50S	5-1/2"	Offset	\$11.45
BAT-105-6	7-1/2"	Straight	\$11.95
BAT-105-60S	7-1/2"	Offset	\$12.45

Our Flush Rivet Sets are manufactured from high alloy steel and heat-treated for long life. Shanks are precision ground and faces are highly polished which is essential for smooth flush riveting. Unless otherwise indicated, all of our rivet sets are



made in the USA!



		_	
Part Number	Face Diameter	Length	Price Each
1030-1	3/4"	2-1/16"	\$11.75
1030-2	1"	2-1/16"	\$11.95
1030-3	1-1/4"	2-1/16"	\$12.75



Part Number	Overall Length	Face Diameter	Straight/ Offset	Price Each
SM91	3"	1"	Straight	\$13.45
SM92	5-1/2"	1"	Straight	\$16.55
SM93	7-1/2"	1"	Straight	\$19.45
BAT-140	3-1/2"	1"	Offset	\$13.95
BAT-141	5-1/2"	1"	Offset	\$16.85
BAT-142	7-1/2"	1"	Offset	\$19.85



MISCELLANEOUS RIVET SETS



DOUBLE OFFSET RIVET SETS

5-1/2" Overall Length, .401 Shank, Made in the USA!

Part Number	Rivet Size	Price Each
SM130-4703	3/32"	\$18.95
SM130-4704	1/8"	\$18.95
SM130-4705	5/32"	\$18.95
SM130-4706	3/16"	\$18.95
SM130-4PC	Set of all 4	\$69.95



"GOOSENECK" RIVET SETS

7-1/2" Overall Length, .401 Shank, Made in the USA!

Part Number	Rivet Size	Price Each
SMGN-4703	3/32"	\$24.95
SMGN-4704	1/8"	\$24.95
SMGN-4705	5/32"	\$24.95
SMGN-4706	3/16"	\$24.95
SMGN-4PC	Set of all 4	\$93.95



8" RIVET SET EXTENDER

Allows you to extend any .401 shank rivet set an additional 8". .401 Shank. **Made in the USA!**

SM401E \$34.95

RIVET SET SHANK ADAPTERS

Allows you to make your entire collection of rivet sets interchangeable with different size rivet

guns. Choose from two different models to either go from .401 to .498 or vice versa. **Made in the USA!**



Model	Rivet Gun Shank Opening	Rivet Set to be Used	Price Each
BAT-195-1	.498	.401	\$54.95
BAT-195-2	.401	.498	\$54.95

RIVET GUN SHAFT REDUCER

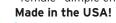
Insert this reducer bushing into the barrel of your big bore .498 shank rivet gun and you will be able to use your standard collection of .401 shank rivet sets. This tool converts your .498 bore rivet gun to a .401 bore.

Imported.

BAT-RGSR9 \$12.95

"SWIVEL" DIMPLING TOOLS

.401 Shank, 3-1/2" overall length. Choose "male" or "female" dimple ends.





Part Number	Rivet Size	Style	Price Each
BAT-10SP-4263	3/32"	Male	\$53.95
BAT-10SP-4264	1/8"	Male	\$53.95
BAT-10SP-4265	5/32"	Male	\$53.95
BAT-10SP-4266	3/16"	Male	\$53.95
BAT-10SD-4263	3/32"	Female	\$54.95
BAT-10SD-4264	1/8"	Female	\$54.95
BAT-10SD-4265	5/32"	Female	\$54.95
BAT-10SD-4266	3/16"	Female	\$54.95



MISCELLANEOUS RIVET SETS

"ELEPHANT LEG" RIVET SET

Manufactured exclusively for Brown Aviation Tool Supply, this unique tool uses standard 3/16" shank Rivet Squeezer Sets to allow you to install a variety of rivets and fasteners in very hard to access areas. The "foot" of this tool is 1-1/2" long and features a 3/16" shank squeeze set receptacle at the tip of the foot.

Entire tool is 4-1/2" long. Standard .401 shank.

Made in the USA!

(Rivet Squeezer Sets are not included and are sold separately See Page 32.)

BAT-450 \$32.75



"JIFFY" SHORT SHANK RIVET SETS

For use with "Jiffy" style short shank rivet guns. .401 shank, choose from straight or offset styles. Straight sets are 1-1/4" overall length, Offset sets are 1-3/4" overall length.

Made in the USA!







Part Number	Style	Price Each
BAT-510-4703	3/32" Straight	\$9.95
BAT-510-4704	1/8" Straight	\$9.95
BAT-510-4705	5/32" Straight	\$9.95
BAT-510-4706	3/16" Straight	\$9.95
BAT-510-4708	1/4" Straight	\$12.95
BAT-500	Straight Flush	\$9.95
BAT-1315-3	3/32" Offset	\$10.95
BAT-1315-4	1/8" Offset	\$10.95
BAT-1315-5	5/32" Offset	\$10.95
BAT-1315-6	3/16" Offset	\$10.95
BAT-1315-8	1/4" Offset	\$12.95
BAT-1305-2	Offset Flush	\$10.95

MADE IN THE USA

.498 SHANK CUPPED RIVET SETS

These rivet sets feature the larger .498 shank for use in big bore riveters such as 5X, 7X, & 9X rivet guns. Choose straight or 10° offset and choose length. Made in the USA!



Part Number	Rivet Size	Style	Length	Price Each
SM30-4705	5/32"	Straight	3-1/2"	\$14.75
SM30-4706	3/16"	Straight	3-1/2"	\$14.75
SM30-4708	1/4"	Straight	3-1/2"	\$14.75
SM70-47010	5/16"	Straight	3-1/2"	\$16.75
SM70-47012	3/8"	Straight	3-1/2"	\$18.95
SM40-4705	5/32"	Offset	3-1/2"	\$15.95
SM40-4706	3/16"	Offset	3-1/2"	\$15.95
SM40-4708	1/4"	Offset	3-1/2"	\$15.95
SM31-4705	5/32"	Straight	5-1/2"	\$16.95
SM31-4706	3/16"	Straight	5-1/2"	\$16.95
SM31-4708	1/4"	Straight	5-1/2"	\$16.95
SM71-47010	5/16"	Straight	5-1/2"	\$19.85
SM71-47012	3/8"	Straight	5-1/2"	\$21.95
SM41-4705	5/32"	Offset	5-1/2"	\$17.95
SM41-4706	3/16"	Offset	5-1/2"	\$17.95
SM41-4708	1/4"	Offset	5-1/2"	\$17.95
SM81-47010	5/16"	Offset	5-1/2"	\$22.95
SM81-47012	3/8"	Offset	5-1/2"	\$24.95

.498 SHANK FLUSH RIVET SETS

Highly polished surface. 2-1/2" Overall length. 1" Face. Made in the USA! SM100 \$15.95







RIVET GUN PUNCHES



5 PIECE RIVET GUN PUNCH KITS - .401 SHANK

Choose our standard Rivet Gun Punch Kit or our "Extra Long" Rivet Gun Punch Kit and get one each of the most popular five sizes: 3/32", 1/8", 5/32", 3/16", & 1/4". **Buy these kits and save!**



HI-LOK® & HUCK TYPE COLLAR REMOVERS

Use with your rivet gun to easily remove Huck and Hi-Lok® type collars. .401 shank, 5-1/2" overall length. Made in the USA!



Part Number	Fastener Size	Price Each
SMHSC401-4	1/8"	\$19.85
SMHSC401-5	5/32"	\$19.85
SMHSC401-6	3/16"	\$19.85
SMHSC401-8	1/4"	\$19.85
SMHSC401-10	5/16"	\$21.85
SMHSC401-12	3/8"	\$21.85

RIVET GUN PUNCHES

Use to knock out stubborn fasteners. .401 shank. "Punch" portion is 1/2" long. 3-1/2" overall

length. Made in the USA!



Part Number	Punch Size	Price Each
GP332	3/32"	\$8.95
GP18	1/8"	\$8.95
GP532	5/32"	\$8.95
GP316	3/16"	\$8.95
GP732	7/32"	\$9.85
GP14	1/4"	\$8.95
GP516	5/16"	\$10.85
GP38	3/8"	\$10.85

"EXTRA LONG" RIVET GUN PUNCHES

"Punch" is 1-3/4" long, overall length is 3-1/2".

Choose standard .401 shank or .498 shank for

larger big bore rivet guns. Made in the USA!



Part Number	Shank Size	Punch Size	Price Each
SMHS401K-3	.401	3/32"	\$11.75
SMHS401K-4	.401	1/8"	\$11.75
SMHS401K-5	.401	5/32"	\$11.75
SMHS401K-6	.401	3/16"	\$11.75
SMHS401K-8	.401	1/4"	\$11.75
SMHS401K-10	.401	5/16"	\$14.75
SMHS401K-12	.401	3/8"	\$14.75
SMHS498K-6	.498	3/16"	\$15.95
SMHS498K-8	.498	1/4"	\$15.95
SMHS498K-10	.498	5/16"	\$16.75
SMHS498K-12	.498	3/8"	\$16.75

DRIVE SETS FOR HI-SHEAR® RIVETS

Use to install special Hi-Shear® style rivets. Industry standard .401



shank. Sizes and lengths shown available for immediate delivery - other lengths are available by special order. Made in the USA!

Part Number	Size	Length	Style	Price Each
BAT-HS10-4	1/8"	3-1/2"	Straight	\$19.85
BAT-HS10-5	5/32"	3-1/2"	Straight	\$19.85
BAT-HS10-6	3/16"	3-1/2"	Straight	\$19.85
BAT-HS10-8	1/4"	3-1/2"	Straight	\$21.85
BAT-HS20-4	1/8"	3-1/2"	Offset	\$21.85
BAT-HS20-5	5/32"	3-1/2"	Offset	\$21.85
BAT-HS20-6	3/16"	3-1/2"	Offset	\$21.85
BAT-HS20-8	1/4"	3-1/2"	Offset	\$23.85
BAT-HS11-4	1/8"	5-1/2"	Straight	\$22.85
BAT-HS11-5	5/32"	5-1/2"	Straight	\$22.85
BAT-HS11-6	3/16"	5-1/2"	Straight	\$22.85
BAT-HS11-8	1/4"	5-1/2"	Straight	\$24.85
BAT-HS21-4	1/8"	5-1/2"	Offset	\$24.95
BAT-HS21-5	5/32"	5-1/2"	Offset	\$24.95
BAT-HS21-6	3/16"	5-1/2"	Offset	\$24.95
BAT-HS21-8	1/4"	5-1/2"	Offset	\$26.95

DRIVE SETS FOR HUCK® LOCKBOLTS

Use to install Huck® style "lockbolts". Industry standard .401 shank.



Sizes and lengths shown available for immediate delivery - other sizes and lengths are available by special order. **Made in the USA!**

Part Number	Size	Length	Style	Price Each
BAT-H10-4	1/8"	3-1/2"	Straight	\$22.85
BAT-H10-5	5/32"	3-1/2"	Straight	\$22.85
BAT-H10-6	3/16"	3-1/2"	Straight	\$22.85
BAT-H10-8	1/4"	3-1/2"	Straight	\$22.85
BAT-H20-4	1/8"	3-1/2"	Offset	\$24.85
BAT-H20-5	5/32"	3-1/2"	Offset	\$24.85
BAT-H20-6	3/16"	3-1/2"	Offset	\$24.85
BAT-H20-8	1/4"	3-1/2"	Offset	\$24.85

MISCELLANEOUS RIVET SETS



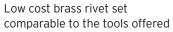
SOFT FACE FLUSH RIVET SETS - MADE IN THE USA!

Interchangeable head design allows you to come up with a wide variety of configurations to suit your application. Available in Brass, Nylon, or Aluminum – use our soft face flush sets to "persuade" bolts, hi-loks, and other aircraft fasteners without damaging the fastener. **Made in the USA** with the finest materials and properly heat treated for long life.

- .401 shank
- 1" diameter face
- Heads are threaded and completely interchangeable and replaceable.
- Choose straight or 10° offset and choose 3-1/2" or 5-1/2" length.

Part Number	Description	Price Each
BAT-3NYL	3-1/2" Straight with Nylon Face	\$17.95
BAT-3NYLOS	3-1/2" Offset with Nylon Face	\$19.95
BAT-5NYL	5-1/2" Straight with Nylon Face	\$19.95
BAT-5NYLOS	5-1/2" Offset with Nylon Face	\$21.95
BAT-3ALM	3-1/2" Straight with Aluminum Face	\$18.95
BAT-3ALMOS	3-1/2" Offset with Aluminum Face	\$21.95
BAT-5ALM	5-1/2" Straight with Aluminum Face	\$21.95
BAT-5ALMOS	5-1/2" Offset with Aluminum Face	\$23.95
BAT-3BRS	3-1/2" Straight with Brass Face	\$19.95
BAT-3BRSOS	3-1/2" Offset with Brass Face	\$22.95
BAT-5BRS	5-1/2" Straight with Brass Face	\$21.95
BAT-5BRSOS	5-1/2" Offset with Brass Face	\$24.95
BAT-RHNYL	Nylon Replacement Head Only	\$6.95
BAT-RHALM	Aluminum Replacement Head Only	\$8.95
BAT-RHBRS	Brass Replacement Head Only	\$9.95

ECONOMY BRASS RIVET SET





by our competitors. The head on this rivet set is not replaceable. 3/4" face diameter, 3-1/8" overall length. Industry standard .401 shank. Imported.

BAT-BRS401 \$8.95



MISCELLANEOUS RIVET SETS

SEMI-TUBULAR RIVET SETS

Use these rivet sets to properly install AN450



style semi-tubular rivets. One rivet set is designed to flare the hollow end of the semi-tubular rivet, the other rivet set is cupped and is used to set the solid oval head side of AN450 style rivets. 3-1/2" overall length. Industry standard .401 shank. These sizes in stock and standard, other sizes and lengths are available by special order. Made in the USA!

Part Number	Rivet Size	Style	Price Each
BAT-10-4503	3/32"	Flaring Set	\$23.85
BAT-4503HD	3/32"	Cupped Set	\$19.85
BAT-10-4504	1/8"	Flaring Set	\$23.85
BAT-4504HD	1/8"	Cupped Set	\$19.85
BAT-10-4505	5/32"	Flaring Set	\$23.85
BAT-4505HD	5/32"	Cupped Set	\$19.85
BAT-10-4506	3/16"	Flaring Set	\$23.85
BAT-4506HD	3/16"	Cupped Set	\$19.85

SEMI-TUBULAR RIVET SQUEEZER SETS

Use in hand or pneumatic rivet squeezers to properly set AN450 style semi-tubular rivets.
Use one squeeze set to flare the hollow end of the semi-tubular rivet, use the other squeeze set to install the solid head side of the semi-tubular rivet.
Industry standard 3/16"(.187) shank fits most hand or pneumatic squeezers. The body length (thickness) of our in-stock squeeze sets is 3/8", other lengths are available by special order. Made in the USA!

Part Number	Rivet Size	Style	Price Each
BAT-4503ST	3/32"	Flaring Set	\$24.95
BAT-4503HD-SQZ	3/32"	Cupped Set	\$20.95
BAT-4504ST	4504ST 1/8"		\$24.95
BAT-4504HD-SQZ	1/8"	Cupped Set	\$20.95
BAT-4505ST	5/32"	Flaring Set	\$24.95
BAT-4505HD-SQZ	5/32"	Cupped Set	\$20.95
BAT-4506ST	3/16"	Flaring Set	\$24.95
BAT-4506HD-SQZ	3/16"	Cupped Set	\$24.95

"BAC" STYLE MODIFIED UNIVERSAL RIVET SETS

Specifically designed to install "BAC" style solid rivets (commonly referred



to as "Boeing Rivets"). Works with rivets manufactured to the BACR15FT standard. Choose from straight or 10° offset. 3-1/2" length is standard and in stock, other lengths are available by special order. **Made in the USA!**

Part Number	Rivet Size	Style	Price Each
1002-1-BAC	3/32"	3-1/2" Straight	\$12.95
1002-6-BAC	1/8"	3-1/2" Straight	\$12.95
1002-11-BAC	5/32"	3-1/2" Straight	\$12.95
1002-16-BAC	3/16"	3-1/2" Straight	\$12.95
1002-21-BAC	1/4"	3-1/2" Straight	\$13.95
1005-1-BAC	3/32"	3-1/2" Offset	\$13.95
1005-6-BAC	1/8"	3-1/2" Offset	\$13.95
1005-11-BAC	5/32"	3-1/2" Offset	\$13.95
1005-16-BAC	3/16"	3-1/2" Offset	\$13.95
1005-21-BAC	1/4"	3-1/2" Offset	\$14.95
1002-2-BAC	3/32"	5-1/2" Straight	\$13.95
1002-7-BAC	1/8"	5-1/2" Straight	\$13.95
1002-12-BAC	5/32"	5-1/2" Straight	\$13.95
1002-17-BAC	3/16"	5-1/2" Straight	\$13.95
1002-22-BAC	1/4"	5-1/2" Straight	\$14.95
1005-2-BAC	3/32"	5-1/2" Offset	\$14.95
1005-7-BAC	1/8"	5-1/2" Offset	\$14.95
1005-12-BAC	5/32"	5-1/2" Offset	\$14.95
1005-17-BAC	3/16"	5-1/2" Offset	\$14.95
1005-22-BAC	1/4"	5-1/2" Offset	\$15.95
1002-3-BAC	3/32"	7-1/2" Straight	\$15.95
1002-8-BAC	1/8"	7-1/2" Straight	\$15.95
1002-13-BAC	5/32"	7-1/2" Straight	\$15.95
1002-18-BAC	3/16"	7-1/2" Straight	\$15.95
1002-23-BAC	1/4"	7-1/2" Straight	\$17.95
1005-3-BAC	3/32"	7-1/2" Offset	\$17.95
1005-8-BAC	1/8"	7-1/2" Offset	\$17.95
1005-13-BAC	5/32"	7-1/2" Offset	\$17.95
1005-18-BAC	3/16"	7-1/2" Offset	\$17.95
1005-23-BAC	1/4"	7-1/2" Offset	\$19.95

MISCELLANEOUS RIVET SETS

FLUSH "C" SET

Flush face is at a 60 degree angle and is perfect for accessing hard to reach areas. Face is highly polished to a mirror finish and properly heat treated for long life. Entire tool is 6-1/2" overall length. .401 shank. Compare the quality and price of this tool anywhere! Imported.

BAT-FLC8 \$29.95

"C" RIVET SET WITH 3/16" HOLE

Features a 3/16" hole on the end so that you can use any standard rivet squeezer set (not included) to access fasteners in hard to reach areas. 6-1/4" overall length, .401 shank, inside measurements of the "C" are 3" high by 1-3/8" deep. This tool is a great addition to any sheetmetal tool box! Imported.



6 PIECE "C" RIVET SET KIT

Kit includes our model BAT-CSET, "C" Rivet Set with five assorted 3/16" shank rivet squeezer sets (3/32", 1/8", 5/32", 3/16", & Flush). By inserting the squeeze sets into the 3/16" hole at the tip of the "C" Set, you can access and install rivets in what would otherwise be inaccessible areas. Save \$7.75 by purchasing this kit! "C" set is imported, squeeze sets are made in the USA!





FLAT RIVET GUN CHISEL

Industry standard .401 shank for use with rivet gun. 5-1/2" overall length. Chisel end is 5/8" wide and can easily be re-sharpened on a belt grinder. Made in the USA. 💓

SM451 \$13.95



2" WIDE RIVET GUN CHISEL - .401 SHANK

Use this large chisel for your toughest material removal jobs. Chisel end is 2" wide and is slightly offset from the shank of the tool for clearance. Length is 6.9" (not counting the .401 shank portion that goes in your rivet gun). Imported.



LONG RIVET GUN CHISEL - .401 SHANK

The extra reach of this tool enables use in hard to get to areas. Chisel end is 5/8" wide. Overall length of tool including rivet gun shank is 10-1/2". Imported.

BAT-91900 \$16.95



TAPERED RIVET GUN PUNCH - .401 SHANK

The punch end of this tool starts at 1/8" and tapers out to 1/2" body diameter over the first 1-1/4" of the tool. 6-1/2" overall length. Industry standard .401 shank. Imported.

BAT- 91450 \$13.95



TAPERED RIVET GUN PUNCH - .498 BIG BORE SHANK

Use this tool with larger .498 shank rivet guns (5X, 7X, & 9X rivet guns). Punch end starts at 3/32" and tapers out to 5/8" body diameter over the first 2-1/2" of the tool. 7" overall length. Imported.



.498 SHANK RIVET GUN CHISEL

Larger .498 shank for use with larger 5X, 7X, & 9X rivet guns. 5-1/2" overall length. Chisel end is 3/4" wide. Made in the USA!

SM454 \$22.95



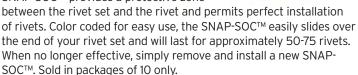




MISCELLANEOUS RIVETING TOOLS

SNAP-SOC™ RIVET SET CAPS

Finally an inexpensive and effective solution to rivet head damage. No matter how experienced we are, we have all put a "smiley face" on a rivet head or worse yet, the adjoining aircraft skin. The SNAP-SOC™ provides a protective zone



Part Number	Rivet Size Color		Price
1003	3/32"	White	\$11.95
1004	1/8"	Orange	\$11.95
1005	5/32"	Green	\$11.95
1006	3/16"	Yellow	\$11.95
1008	1/4"	Blue	\$11.95

ELASTIC FASTENER SPACER

Very simple to use! Useful and inexpensive fastener layout aid. Simply clamp, fasten, or tape the elastic spacer in place and stretch it out until vou have the desired number of fastener locations. Use the hash marks on the spacer to mark your fastener pattern and you will have evenly spaced fastener locations.

Approximately 36" long. One side is printed with 32 even marks; the other is printed with 48 even marks. Will stretch approximately 2-1/2 times its "resting" size. Manufactured of American made industrial elastic exclusively for BrownTool.

BAT-EFS1 \$14.95

RIVET LENGTH GAUGE

Use this handy gauge to check the proper length of rivets before installing. Works with both flush and button head rivets. Sizes are permanently stamped on the gauge. Use with -3, -4, -5, & -6 rivets.



BAT-RLG01 \$7.45

SHOP HEAD RIVET GAUGE SET

Eliminate guessing if your rivets are properly installed. This gauge measures the minimum acceptable height and minimum acceptable diameter of -3, -4, -5. & -6 rivets. Color coded for easy use, rivet size is permanently stamped on each individual gauge.







RIVET FAN SPACING TOOL

Accordion style spacer allows you to get the exact spacing you need. Spacing sizes are stamped on the tool for easy reference. Extremely simple to use.

RFS001 \$40.95

RIVET TAPE

Specifically designed for the aerospace industry, our rivet tape will save you time and aggravation by securely holding rivets in place until you are ready to install them. The center "window" is adhesive free and see-through. There is a very light and residue free adhesive on either side of the center window. Rivets are easily visible and will not come in contact with the adhesive. Once you shoot your rivets, simply remove the tape. Made in the USA!

Our competitors sell rivet tape in 36 yard rolls for more than we sell a 72 yard roll.

BUY FROM US AND SAVE.

Part Number	Size	1-4 Rolls	5-11 Rolls	12 Rolls & Up
BAT-685-1	3/4" wide x 72 yds.	\$7.85	\$6.98	\$6.29
BAT-685-2	1" wide x 72 yds.	\$8.75	\$7.95	\$7.45

TUNGSTEN BUCKING BARS

These are the bars to call on when space is limited! Tungsten bars are almost twice as heavy as conventional steel bars of the same size, so you can use a much smaller tungsten bar and still have the amount of weight you need to properly install your rivet. In addition to being very useful in tight space areas, Tungsten Bars also significantly reduce vibration and greatly improve operator comfort. Tungsten bars cost more, but keep in mind that one Tungsten Bar can take the place of many conventional steel bars.

All working surfaces are polished and all corners are radiused to prevent material damage. Choose from nine different shapes.



















NOTE: Weights and dimensions are approximate.

SAVE WITH OUR TUNGSTEN BUCKING BAR KITS!

2 PIECE KIT includes bars TSBB-01 & TSBB-02 (our two most popular tungsten bars).

TSBB-2PC \$399.95 YOU SAVE \$59.95!

4 PIECE KIT includes bars TSBB-01, TSBB-03, TSBB-05, & TSBB-06.

TSBB-4PC \$649.95 YOU SAVE \$64.85!

9 PIECE KIT includes all nine bars shown on this page!

TSBB-9PC \$1599.95 YOU SAVE \$183.60!









BUCKING BARS

Our Bucking Bars are cast and carefully heat-treated. Working surfaces are highly polished for superb riveting results.

















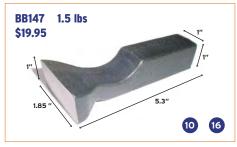












 $\textbf{NOTE:} \ \ \textbf{Weights and dimensions are approximate.}$

5 INCLUDED IN 5 PIECE KIT

10 INCLUDED IN 10 PIECE KIT

16 INCLUDED IN 16 PIECE KIT



BUCKING BARS











- 5 INCLUDED IN 5 PIECE KIT
- 10 INCLUDED IN 10 PIECE KIT
- 16 INCLUDED IN 16 PIECE KIT

SAVE WITH OUR BUCKING BAR KITS!

And remember, we offer **FREE** standard shipping to any address in the USA for pre-paid orders over \$95!

Our 5 PIECE KIT comes with Bucking Bars BB29, BB37, BB140, BB141, and BB154.

BB-5PC \$93.95 SAVE \$10.80!

Our 10 PIECE KIT comes with everything in our five piece kit plus Bucking Bars BB161, BB147, BB750, BB153, and BB149.

BB-10PC \$189.95 SAVE \$23.55!

Our **16 PIECE KIT** includes all of the bars in our 10 piece kit plus Bucking Bars BB36, BB51, BB78, BB81, BB150, and BB38.

BB-16PC \$307.95 **SAVE** \$34.25!

NOTE: Weights and dimensions are approximate.



RIVET GUNS



SIOUX® RIVET GUNS

All three Sioux Rivet
Guns feature an
ergonomic housing with
comfort grip and an extremely sensitive teasing
trigger for superb control. .401 shank opening
accepts all industry standard rivet sets. Made in
Murphy, North Carolina, USA. Sioux Rivet Guns are
the industry standard and are found in numerous
aircraft factories and repair stations throughout the
world. One of the finest most dependable Rivet Guns
available on the market today.

Model	Style	врм	Stroke	Length	Weight	Rivet Capacity	Price Each
270A-2	2X	2500	2"	5-3/4"	3lbs	5/32" Steel	\$299.95
270A	ЗХ	2000	3"	6-3/4"	3lbs-3oz	3/16" Steel	\$299.95
270A-4	4X	1700	4"	7-3/4"	3lbs-8oz	1/4" Steel	\$335.95



TAYLOR® STRAIGHT HANDLE IN-LINE RIVET GUNS

Allows you to rivet in areas that would be inaccessible with a conventional pistol grip rivet gun. Use in conjunction with our 90° Rivet Gun Attachment and get into even harder to reach areas. Choose 3X or 4X model. Nice teasing trigger allows smooth starts. Uses industry standard .401 shank rivet sets. Beehive retaining spring included.

Model	Size	ВРМ	Capacity	Length	Weight	Price
T-3XS	зх	2100	3/16" Rivet	8-1/2"	2-1/16 lbs	\$239.95
T-4XS	4X	1700	1/4" Rivet	9"	2-1/2 lbs	\$249.95



TAYLOR® RIVET GUNS

These powerful rivet guns offer the power and control needed to uniformly drive solid rivets. Three models feature a .401 shank opening and have an excellent teasing trigger for precise control. Beehive style retaining spring included. Most parts are interchangeable with Chicago Pneumatic "X" series rivet guns.

Model	ВРМ	Capacity	Length	Weight	Price
T-2X	2600	1/8" Rivet	6-11/16"	2-1/4 lbs	\$189.95
T-3X	2100	3/16" Rivet	7-5/16"	2-1/3 lbs	\$194.95
T-4X	1700	1/4" Rivet	8-5/16"	2-3/4 lbs	\$194.95



TAYLOR® .498 SHANK RIVET GUNS

These larger Rivet Guns feature a .498 shank opening to handle the largest rivets. Trigger is "teasing" for precise control, ergonomic housing offers operator comfort. Standard with a beehive style retaining spring.



TIGHT AREA "CORNER" RIVET GUN

Our **BAT-1X** Rivet Gun uses special "Jiffy" style .401 short shank rivet sets for riveting capabilities in extremely tight areas. Only 4" long, weighs just 1-1/8 lbs. 2850 blows per minute. Sensitive teasing trigger. Will easily handle 5/32" aluminum rivets (and even some 3/16" in shorter lengths). Uses special "Short Shank Rivet Sets" - see page 13.

BAT-1X \$189.95





CHICAGO PNEUMATIC ERGONOMIC

ERGONOMIC RECOILESS RIVET GUNS

The vibration dampening design of these rivet guns greatly reduces shock and vastly improves operator comfort - particularly beneficial for users who are sensitive to vibration. Choose from 3X or 4X model. Uses industry standard .401 shank rivet sets.

Unbeatable Chicago Pneumatic quality.

Model	Size	ВРМ	Cap.	Length	Weight	Price
CP4450-3	ЗХ	2160	3/16"	8.9"	2.8 lbs	\$988.95
CP4450-4	4X	1740	1/4"	9.9"	3.2 lbs	\$994.95

BEEHIVE RETAINING SPRING

Use to retain most cupped rivet sets in .401 shank rivet guns. Will not work with flush rivet sets.

BRS-T For Taylor & CP .401 Shank Rivet Guns \$5.95 BRS-S For SIOUX .401 Shank Rivet Guns \$9.85

"QUICK CHANGE" SPRING

Allows you to easily change rivet sets without having to remove the spring from your rivet gun. Works equally well with cupped and flush rivet sets.

69Q For Taylor & CP .401 Shank Rivet Guns \$5.95 69QS For SIOUX .401 Shank Rivet Guns \$5.95

90° RIVET GUN ATTACHMENT

Gets you into areas where other tools won't! Screws directly onto the end of any Chicago Pneumatic, Taylor or similar style rivet gun. (Will not fit Sioux or Ingersoll

Rand rivet guns because they have a different barrel thread size.) Especially useful with our Taylor Straight Rivet Guns shown on page 22. Use any .401 shank rivet set with this tool including "Jiffy" style short shank sets and standard length rivet sets. Super compact - only 2" tall x 3.1" long. **Made in the USA!**

BAT-347 \$329.95 💓

RIVET GUNS / RIVET GUN ATTACHMENTS



CHICAGO PNEUMATIC RIVET GUNS

We are now a Master Distributor of the complete Chicago Pneumatic Industrial Tool Line!

CP Rivet Guns set the standard for all others to follow. These excellent tools offer the power and control needed to uniformly drive aircraft rivets. Features the best "teasing throttle" in the industry for precise control. Industry standard .401 shank opening. Retaining spring included.

Model	Size	ВРМ	Length	Weight	Price
CP4444-RURAB	2X	2580	6.7"	2.2 lbs	\$739.95
CP4444-RUSAB	ЗХ	2160	7.3"	2.3 lbs	\$749.95
CP4444-RUTAB	4X	1740	8.3"	2.75 lbs	\$759.95



CHICAGO PNEUMATIC BIG BORE RIVET GUNS -.498 SHANK

These are the rivet guns to call on when you are installing large diameter rivets. Chicago Pneumatic Rivet Guns set the standard for all other brands to follow and their quality is superb. Choose from three different models: 5X, 7X, or 9X. All three use larger .498 shank tooling. Beehive spring included.

Model	Size	врм	Cap.	Length	Weight	Price
CP4447-RUSAB	5X	1560	1/4"	8.9"	4.7 lbs	\$1149.95
CP4447-RUVAB	7X	900	3/8"	11.9"	9.0 lbs	\$1179.95
CP4447-RUTAB	9X	1140	5/16"	9.9"	5.1 lbs	\$1169.95

See page 105 for our complete selection of air regulators.



BATCO™ 737 RIVET GUN KIT



BATCO™ 737 RIVET GUN KIT

This HIGH QUALITY Rivet Gun Kit is the perfect kit for students, kit-builders, or any aircraft sheetmetal technician and contains everything you need to start riveting!

Kit contains:

2X, 3X, or 4X Rivet Gun with Powder Coat Finish & EXCELLENT Teasing Trigger!

4 ea. .401 Shank Cupped Rivet Sets (3/32", 1/8", 5/32", & 3/16")

1 ea. .401 Shank Flush (Flat) Rivet Set

1 ea. "Quick Change" Retaining Spring

1 ea. "Beehive" Retaining Spring

1 ea. 2oz Bottle of Air Tool Oil

1 ea. Click Style Brass Air Regulator

1ea. Standard Male Air Fitting

2 ea. Highly Polished Bucking Bars (Including most popular "Heel & Toe")

1 ea. Sturdy Fitted Storage Case

You get all 14 pieces for one low price! Very high-quality import - the trigger on the rivet gun is one of the best and most sensitive we have ever seen and the quality of the rivet sets and bucking bars is superb!

Order Part Number:

BAT-7372X 2X Rivet Gun Kit \$229.95 BAT-7373X 3X Rivet Gun Kit \$229.95 BAT-7374X 4X Rivet Gun Kit \$229.95



ALREADY HAVE BUCKING BARS AND RIVET SETS? WE ALSO OFFER OUR BATCO™ RIVET GUNS INDIVIDUALLY.

BATCO™ .401 SHANK RIVET GUNS

Our high-quality BATCO Rivet Gun comes with a click-style air regulator

Model	Size	ВРМ	Stroke	Length	Weight	Capacity	Price
BATCO-2X	2X	2850	2-1/4"	6-11/16"	2-1/4 lbs	1/8" Rivet	\$165.95
BATCO-3X	ЗХ	2160	2-7/8"	7-5/16"	2-1/3 lbs	3/16" Rivet	\$169.95
BATCO-4X	4X	1740	3-1/16"	8-5/16"	2-3/4 lbs	1/4" Rivet	\$174.95







JUMBO MECHANIC'S TOOL BAG

Nearly twice as large as our standard tool bags, this JUMBO tool bag measures a full 17-1/2" x 9-1/2" x 6-1/2"! Manufactured from heavy weight cotton canvas with reinforced webbed carry handles. Giant main compartment with 12 tool pouches on the inside and two outer pockets/compartments with snap closures on the outside. Imported. Choose green or black.

JTB01-GRN Green \$19.95 JTB01-BLK Black \$19.95

MILITARY STYLE MECHANIC'S TOOL BAG

Constructed of heavy duty cotton duck canvas and treated with a water-repellant mildew resistant treatment. Handles are made of Mil-spec webbing.



Features outer and inner storage pockets. 12" wide X 6" deep X 7" high. Choose from standard military green or black.

G601-GRN Green \$12.95 G601-BLK Black \$12.95

"OLD MAN" SCREW KNOCKER / REMOVER

Use with your rivet gun to remove stubborn screws. .401 shank, accepts a 3/8" drive bit holder (not included). Choose standard 8" or our new stubby 4" model. Handle included.

SK001 8" Screw Knocker \$22.95 SK002 4" Screw Knocker \$21.95 BAT-838 3/8" Drive Bit Holder \$4.95

MISCELLANEOUS RIVETING TOOLS

SAVE YOUR HANDS!

If you use a rivet gun or any other impacting or vibrating tool, you need an impact reducing glove!

ANTI-IMPACT HALF-FINGER RIVETING GLOVES

Our high quality "half-finger" gloves feature genuine black leather palm construction with an impact-reducing



gel padding in the palm and index finger. This impact reducing gel absorbs some of the energy that would otherwise be going directly into your hand, greatly improving your comfort and safety. The leather palm also provides excellent abrasion resistance. The half-finger design allows you to retain full "touch" sensation. Back side of glove is constructed of grey spandex and blue terry cloth for breathability and comfort. Wrist strap is adjustable with a Velcro® closure - giving you a snug and comfortable fit. Machine washable. Choose from stock sizes of Medium, Large, or Extra-Large.

BAT-400MD Medium \$24.95 BAT-400LG Large \$24.95 BAT-400XL Extra-Large \$24.95

FULL FINGER ANTI-IMPACT RIVETING GLOVES

Manufactured from synthetic ultra-suede leather which has excellent



flexibility and wear resistance. Back side of glove is manufactured of Spandex for maximum dexterity. Visco-Elastic Polymer (VEP) padding in the palm helps protect user from shock and impact. Anti-slip material on the palm and finger tips ensures superior gripping ability. Wrist tab is adjustable with a Velcro® closure. Machine washable. Choose from stock sizes of Medium, Large, or Extra-Large.

BAT-AV408M Medium \$29.95 BAT-AV408L Large \$29.95 BAT-AV408XL Extra-Large \$29.95



MISCELLANEOUS RIVETING TOOLS

BENCH TOP HAND RIVETING & DIMPLING TOOL - WITH 22" DEEP THROAT!

This high quality tool is used for hand dimpling and riveting of skins, assemblies, and spars. Tool maintains perfect alignment of dies and rivet squeeze sets to each other and insures proper alignment to your work surface for superior dimpling and riveting results. Most of our competitors' similar tools only have a 19" reach, ours is 22" - giving you an extra 3"! Our Bench Top Riveter is machined and jig welded in the USA, and features a durable powder coat paint finish. The return spring included permits EASY one handed operation!

Features include:

22" reach x 4" tall throat Heavy duty 1" x 2" steel tube arm Heavy wall aluminum channel base Bronze guide bushings Heat treated and centerless ground tool-steel driver shafts

(One shaft has flat end for riveting with rivet gun and one shaft accepts .187 shank rivet squeeze sets or dimple dies)

Precision made in the USA!

BTR-20 \$214.95



RIVET REMOVAL TOOL

This handy tool enables you to easily drill out and remove button head rivets. Depth of the drill is adjustable so that you only drill into the

head of the rivet and not beyond. Includes guides and threaded drill bits to remove 3/32", 1/8", 5/32", & 3/16" rivets. Replacement drill bits are available, simply order our "long" series threaded drill bits in the appropriate size.

BAT-131 \$44.95

BRAKE RELINING / RIVETING TOOL

The new design of our Brake Riveting Tool makes it virtually impossible to mess up a relining job! The threaded action of the rivet insertion tool insures a perfect roll on brake rivets every time. Made from MACHINED (Not Cast!) steel.

BAT-BRK01 \$37.95



RIVET CUTTERS

Allows you to cut rivets from 3/32" to 1/4" diameter. Cuts same length every time with use of rivet leaf spacers. All metal

SIOUX™ SIGNATURE SERIES RIVET SHAVER

Loaded with improvements! The model SRS10P21-8 Rivet Shaver features a full 1 horse power motor and operates at 21,000 rpm to make shaving rivets a breeze! The Signature Series eraonomic housina features a molded comfort



grip and is designed for maximum operator comfort. 8-5/8" long, weighs just 2.7 lbs! Accepts industry standard 1/4-28 threaded rivet shaver bits (see page 56). "Shaving" depth is adjustable in increments of .001" for precise shaving of the rivet head without damaging the aircraft skin. Made in the USA!

SRS10P21-8 \$389.95

construction. RC01 \$22.95

HEAVY DUTY RIVET CUTTERS

Quickly and easily cuts all aluminum rivets from 1/16" to 1/4" in diameter. Length can be adjusted with use of leaf spacers. Heavy duty construction gives professional results.

Now standard with comfort grip handles.

HRC02 \$34.95



USA MADE PNEUMATIC RIVET SQUEEZERS



The Rivet Squeezers shown on this page are **MADE IN THE USA by General Pneumatic Tools**, one of the leading and most respected manufacturers of pneumatic riveting equipment in the world. When you buy a General Pneumatic Tools Rivet Squeezer, you are buying an American made, high quality, production grade tool. You can certainly find less expensive squeezers(the market has been flooded by Chinese made imports), but in our opinion, you cannot buy a better squeezer! General Pneumatic Tools Squeezers are covered by a one year manufacturer's warranty against manufacturing defects.





SINGLE CYLINDER "C" SQUEEZE

The 3000C series Squeezer develops up to 3000 lbs of pressure and will easily install aluminum solid rivets up to 1/8" in diameter. Accepts industry standard 3/16" (.187) shank rivet squeezer sets. Yokes can be easily changed by simply removing two bolts. Choose from three different size yoke reaches (all three yokes have a "gap" of 1-1/4" which is the height of the inside of the yoke cutout). Made in the USA!

Model	Yoke Reach	Length	Weight	Price
3000C-1-1/2	1-1/2"	10-1/4"	4.5 lbs	\$774.95
3000C-2	2"	11"	5.2 lbs	\$799.95
3000C-3	3"	11-1/2"	6.7 lbs	\$859.95



TANDEM CYLINDER "C" SQUEEZE

Our 6000C series Squeezers develop up to 6000 lbs of pressure and will easily install solid aluminum rivets up to 3/16" in diameter. Uses industry standard 3/16" (.187) shank rivet squeezer sets. Yokes are easily changed by simply removing two bolts. Choose from three different size yokes. **Made in the USA!**

Model	Yoke Reach	Length	Weight	Price
6000C-1-1/2	1-1/2"	14"	5.5 lbs	\$959.95
6000C-2	2"	14-3/4"	6.2 lbs	\$998.95
6000C-3	3"	15-1/2"	7.5 lbs	\$1098.95

CAUTION: Rivet Squeezers can cause significant injury if not handled properly. ALWAYS disconnect the air supply when removing or adjusting dies/squeeze sets or when the tool is not in use. Always keep your hands and fingers clear of the jaws when operating the tool.



SINGLE CYLINDER "A" / "ALLIGATOR" SQUEEZE

Use this lightweight single cylinder tool to install solid aluminum rivets up to 1/8" in diameter (longer reach jaws lower the capacity of the tool). Uses standard 3/16" (.187) shank rivet squeezer sets.

Made in the USA!

Model	Jaw Reach	Force	Alum. Riv. Cap.	Length	Weight	Price
3000A-1-1/2	1-1/2"	3000 lbs	1/8"	9-1/4"	4 lbs	\$898.95
3000A-2-1/4	2-1/4"	2200 lbs	1/8"	10-1/8"	4.3 lbs	\$989.95
3000A-3	3"	1800 lbs	3/32"	10-3/4"	4.5 lbs	\$1059.95



TANDEM CYLINDER "A" ALLIGATOR SQUEEZE

The 6000A series tool employs a twin tandem cylinder for added power. Use to install aluminum rivets up to 3/16" in diameter (longer reach jaws lower the capacity of the tool). Uses standard 3/16" (.187) shank rivet squeezer sets. Made in the USA!

Model	Jaw Reach	Force	Alum. Riv. Cap.	Length	Weight	Price
6000A-1-1/2	1-1/2"	6000 lbs	3/16"	11-3/4"	5 lbs	\$1098.95
6000A-2-1/4	2-1/4"	4300 lbs	5/32"	13"	5.5 lbs	\$1169.95
6000A-3	3"	3400 lbs	1/8"	13-1/2"	6 lbs	\$1259.95

Considerations when choosing a "C" or an "A" style Rivet Squeezer: "C" style Squeezers maintain relatively the same amount of compression force regardless of the reach of the yoke. Alligator or "A" Squeezers however, lose a certain amount of compression force when you use longer reach jaws – for this reason, we always recommend using the shortest reach jaw possible when using an "A" style Squeezer.



TAYLOR RIVET SQUEEZERS / YOKES & ACCESSORIES

TAYLOR PNEUMATIC "C" SQUEEZE COMBO WITH 2 YOKES (3" & 2-1/2" "LONGERON")!

Brown Aviation Tool is the largest authorized distributor of Taylor Pneumatic Squeezers in the world and we use our buying power to bring you a high quality tool at a great price! This combo "package deal" includes a Taylor Pneumatic "C" Rivet Squeezer with TWO Yokes!

- Combo includes Squeezer, standard 3" reach yoke, and 2-1/2" reach "longeron" yoke.
- T-3000C Rivet Squeezer develops 3000 lbs of compression force
- Rated for 1/8" aluminum rivets
- · Built-in air line swivel included
- Uses industry standard .187 (3/16") shank squeeze sets / dies
- Squeeze body weighs 4 lbs, 10-5/16" long
- Full one year manufacturer warranty against defects.
- Yokes are perfectly heat treated for long, useful life.
- Black oxide treatment of yokes helps prevent rust and corrosion.
- Industry standard yoke hole pattern yokes are completely interchangeable with all known brands of CP style squeezers.

T-3000C-2Y \$649.95







- Uses industry standard 3/16" (.187) shank rivet squeeze sets / dies
- Full one year manufacturer's warranty against manufacturing defects.
- Black oxide treatment of yokes helps prevent corrosion and rust.

Model	Jaw Reach	Force	Alum. Riv. Cap.	Length	Weight	Price
T-3000A-1-1/2	1-1/2"	3000 lbs	1/8"	9-1/4"	3.9 lbs	\$649.95
T-3000A-3	3"	1800 lbs	3/32"	10-3/4"	4.4 lbs	\$748.95

ADJUSTABLE SET HOLDER >> IMPROVED DESIGN

This special set holder is designed to replace the rigid set holder found in most



CP214 style single cylinder "C" riveters. Eliminates the need to use shims or different thickness squeeze sets. Simple to install in seconds. For use on single cylinder "C" squeezers only - will not work with tandem or triple cylinder tools. Manufactured in the USA!

BAT-ASH274 \$74.95



REPLACEMENT "C" YOKES

Our replacement yokes feature an industry standard bolt hole pattern and will fit all known brands of CP214 style Pneumatic "C" Squeezers on the market. Manufactured of high quality steel, perfectly heat treated, and finished with a maintenance-free black oxide finish. Choose from three styles.

1-1/2" REACH "C" YOKE

1-1/2" reach with a 1-1/4" gap.

CYOK-15 \$94.95



3" REACH "C" YOKE

3" reach with a 1-1/4" gap.

CYOK-30 \$119.95



2-1/2" REACH "LONGERON" "C" YOKE

The upper arm has an additional 3/4" cut out which enables you to reach over and around longerons, angles, etc. 2-1/2" reach with a 1-1/4" gap.

CYOK-25L \$124.95



TRIPLE CYLINDER RIVET SQUEEZERS / FOOT CONTROL KIT

Our Triple Cylinder Rivet Squeezers develop up to 9000 lbs of compressive force to handle larger diameter and harder rivets. These are the Rivet Squeezers to call on when you need to install larger diameter or harder alloy rivets yet still maintain tool portability. Completely manufactured in the USA by Atlantic Air Tool, one of the leading manufacturers of riveting equipment in the aircraft industry.





ATLANTIC HI-FORCE TRIPLE CYLINDER "C" SQUEEZE WITH 1-1/2" REACH JAW

One of the most powerful portable rivet squeezers available on the market, this tool develops 9000 lbs of force and easily squeezes up to 1/4" solid aluminum rivets! Accepts industry standard 3/16" (.187) shank rivet squeezer sets. Features a 1-1/2" reach yoke with a 1-1/4" gap (inside height). 18-3/4" long, weighs 8-1/2 lbs. Made in the USA!

BAT-90C15 \$1789.95

ATLANTIC HI-FORCE TRIPLE CYLINDER "A" SQUEEZE

Offering up to 9000 lbs of compressive force, this is the Rivet Squeeze to use when installing larger diameter rivets. Available from stock with your choice of three different reach jaws. Keep in mind that you lose some power the longer the reach of your jaws, so always choose the shortest reach jaws possible to maintain maximum performance. Manufactured with heavy duty bearings specifically designed and rated to handle the force generated by this tool. Accepts industry standard 3/16" (.187) shank rivet squeezer sets. Made in the USA!

Model	Jaw Reach	Rivet Cap.	Max. Force	Weight	Length	Price
BAT-90A15	1-1/2"	1/4"	9000 lbs	7 lbs	16"	\$1798.95
BAT-90A22	2-1/4"	3/16"	7000 lbs	7.5 lbs	16-3/4"	\$1885.95
BAT-90A30	3"	3/16"	5200 lbs	8 lbs	17-1/2"	\$1989.95

FOOT CONTROL CONVERSION KIT

Turn your pneumatic squeezer into a foot controlled unit and free up your hands! This conversion kit contains a foot control unit with all necessary hardware and accessories to easily turn your existing squeezer into a handy foot controlled unit! Your hands will be free to offer superb control of the squeezer without having to engage the normal hand lever when ready to squeeze your rivet. Conversion can be accomplished in just a few minutes with no special skills or unusual tooling needed. Complete instructions included. Manufactured in the USA!

BAT-FC99 \$199.95





CHICAGO PNEUMATIC™ RIVET SQUEEZERS



Chicago Pneumatic™ Rivet Squeezers have been used in the aerospace industry for over 50 years and have set the standard for all others to follow. Models shown on this page are the most popular models used in the aerospace industry. Please inquire about other models available from Chicago Pneumatic.

All CP Squeezers on this page use industry standard 3/16" (.187) shank rivet squeezer sets.

CP "C" RIVET SQUEEZER

Model	Style	Cap.	Reach	Max. Force	OAL	Weight	Price
CP0214CELEL	Single Cylinder	1/8"	1-1/2"	3000 lbs	10-5/16"	4-1/2 lbs	\$1989.95
CP0214FALEL	Tandem Cylinder	3/16"	1-1/2"	6000 lbs	14"	5-1/2 lbs	\$2094.95



Model	Style	Cap.	Reach	Max. Force	OAL	Weight	Price
CP0214ANBEL	Single Cylinder	1/8"	1-1/2"	3000 lbs	9-3/16"	3-3/4 lbs	\$1998.95
CP0214ANFEL	Single Cylinder	1/8"	2-1/4"	2200 lbs	10"	4-1/4 lbs	\$2298.95
CP0214ANGEL	Single Cylinder	3/32"	3"	1800 lbs	10-3/4"	4-1/2 lbs	\$2314.95
CP0214ENBEL	Tandem Cylinder	3/16"	1-1/2"	6000 lbs	11-15/16"	4-3/4 lbs	\$2195.95
CP0214ENFEL	Tandem Cylinder	5/32"	2-1/4"	4300 lbs	12-3/4"	5-1/4 lbs	\$2298.95
CP0214ENGEL	Tandem Cylinder	1/8"	3"	3400 lbs	13-1/2"	5-1/2 lbs	\$2329.95

CP HI-FORCE "C" RIVET SQUEEZER

Easily squeeze up to 1/4" diameter aluminum rivets.

Model	Rivet Cap.	Jaw Reach	Max. Force	OAL	Weight	Price Each
CP0351FUDEL	1/4"	2-1/8"	12,000 lbs	21-3/4"	15-1/4 lbs	\$3098.95



CP HI-FORCE ALLIGATOR RIVET SQUEEZER

Large Riveter for your toughest jobs - chose from four different yoke sizes.



Model	Rivet Cap.	Jaw Reach	Max. Force	OAL	Weight	Price Each
CP0351ESGEL	1/4"	2-7/8"	10,400 lbs	23-3/4"	18-1/2 lbs	\$3685.95
CP0351ESKEL	3/16"	5"	6,800 lbs	25-7/8"	22-1/2 lbs	\$3789.95
CP0351ESREL	3/16"	7"	6,000 lbs	27-7/8"	27 lbs	\$3859.95
CP0351ESVEL	3/16"	9-1/8"	6,000 lbs	30"	29 lbs	\$3898.95

CP SWIVEL "C" YOKE RIVET SQUEEZER

Yoke swivels a full 360° and easily locks into any position. Much easier to maneuver than standard fixed yoke squeezers. Develops a full 13,500 lbs of force!

Model	Rivet Cap.	Jaw Reach	Max. Force	OAL	Weight	Price Each
CP0341CUDEL	1/4"	2-1/8"	13,500 lbs	19-7/8"	13-1/2 lbs	\$3698.95



BENCH / FLOOR MOUNTED RIVETERS

GENERAL PNEUMATIC BENCH MOUNTED RIVETER - 6" YOKE

The Model 6000CS-6 is a powerful twin tandem cylinder riveter designed to be bench mounted for ease of use. The yoke of this tool has a 6" reach and a 3-1/2" gap. The 6000CS-6 is shipped complete with a foot control for simple hands free operation. All hoses, connectors, and hardware are included for immediate use. Made in the USA, this tool will be an excellent addition to any shop and offer years of dependable service. Will easily handle 3/16" aluminum rivets.

One year factory warranty. Shipping weight is 61 lbs. Because of the heavier weight of this item, freight charges will be added and are based on your delivery address.

GENERAL PNEUMATIC HEAVY DUTY STATIONARY RIVETER

Model 6000CS-6 \$2349.95



Model	Yoke Reach	Yoke Gap (Height)	Shipping Weight	Price Each
8000CSA-9-1/2	9-1/2"	3-1/2"	178 lbs	\$3748.95
8000CSA-12-1/2	12-1/2"	3-1/2"	221 lbs	\$4389.95
8000CSA-24	24"	4-1/2"	681 lbs	\$10,679.95







FLOOR MOUNT PEDESTAL FOR 8000CSA SERIES STATIONARY RIVETERS

Heavy duty pedestal is specifically designed to hold our 8000CSA series riveters. Includes a built-in air filter, lubricator, and regulator. All mounting hardware is included. **Made in the USA!** Weighs 90 lbs. Shipping charges for this item are additional and will be based on your delivery location.

Model 8000-PED \$634.95



RIVET SQUEEZER SETS

All of our Cupped and Flush Squeezer Sets are **made in the USA** to exacting standards. Cuppings and faces are highly polished and enable smooth precise riveting. Industry standard .187 (3/16") shanks can be used in hand operated or pneumatic squeezers. Extremely high quality!

CUPPED RIVET SQUEEZER SETS



Length	3/32" Rivet	1/8" Rivet	5/32" Rivet	3/16" Rivet	1/4" Rivet	Price Each
1/8"	2002-1X	2002-8X	2002-15X	2002-22X		\$5.45
1/4"	2002-1	2002-8	2002-15	2002-22	2002-29	\$5.45
3/8"	2002-2	2002-9	2002-16	2002-23	2002-30	\$5.45
1/2"	2002-3	2002-10	2002-17	2002-24	2002-31	\$6.45
5/8"	2002-4	2002-11	2002-18	2002-25	2002-32	\$6.95
3/4"	2002-5	2002-12	2002-19	2002-26	2002-33	\$7.95

FLUSH RIVET SQUEEZER SETS



Part Number	Length	Face Diameter	Price Each
2003-1	1/8"	3/8"	\$4.95
2003-3	1/4"	3/8"	\$4.95
2003-5	3/8"	3/8"	\$4.95
2003-7	1/2"	3/8"	\$4.95
2003-9	5/8"	3/8"	\$5.95
2003-11	3/4"	3/8"	\$5.95
2003-16	1/8"	1/2"	\$4.95
2003-18	1/4"	1/2"	\$4.95
2003-20	3/8"	1/2"	\$4.95
2003-22	1/2"	1/2"	\$4.95
2003-24	5/8"	1/2"	\$5.95
2003-26	3/4"	1/2"	\$5.95

SPRING LOADED FLUSH SQUEEZER SET





12 PIECE RIVET SQUEEZER KIT

Contains 12 of our most popular cupped and flush Rivet Squeezer Sets. Includes all 12 of the sets indicated in red print. You save \$9.45 by purchasing this handy kit. Made in the USA

SQZSET-1 \$53.95 💓

19 PIECE RIVET SQUEEZER KIT WITH FITTED STORAGE BOX

Contains our 19 most popular cupped and flush Squeezer Sets in a very nice fitted storage box. Always have the set you need at your fingertips, and always know when one is missing. Contains all of the sets from our 12 piece kit indicated in red type as well as



the additional 7 pieces indicated in blue type. This kit is a great value, saving you over \$20! Made in the USA!

BAT-SQZ-19 \$94.95

DIMPLE DIES

- 2 Piece set includes both male and female die
- .187 shank, use with hand or air squeezer
- Highly polished excellent quality
- "Spring-Back" design for superb results



Part Number	Description	Price
DD332	3/32" Rivet	\$18.95
DD18	1/8" Rivet	\$18.95
DD532	5/32" Rivet	\$18.95
DD316	3/16" Rivet	\$18.95
DD14	1/4" Rivet	\$25.95
DDS6	#6 Screw	\$25.95
DDS8	#8 Screw	\$25.95
DDS10	#10 Screw	\$25.95

8 PIECE DIMPLE DIE KIT Includes all eight dimple die sets. **You save \$29.65** by ordering this kit. Includes storage box.

DDSET-8 \$149.95

4 PIECE DIMPLE DIE KIT Includes the four most popular rivet size Dimple Dies (3/32", 1/8", 5/32", & 3/16"). You get both male and female dies in each size for a total of eight individual pieces. Includes storage box. **You save \$25.85** by buying this kit.

DDSET-4PC \$49.95



Includes one model THS15 (1-1/2" Rivet Squeezer), one model THY30 (3" Yoke), and six Rivet Squeeze Sets (3/32", 1/8", 5/32", 3/16", and two Flush). You save \$21.65 by purchasing this kit!

TATCO-KIT \$229.95

TATCO™ YOKES < **THY10** 1" Reach \$59.95 **THY15** 1-1/2" Reach \$60.95 **THY20** 2" Reach \$69.95 **THY25** 2-1/2" Reach \$72.95 **THY30** 3" Reach \$79.95 **THY35** 3-1/2" Reach \$104.95 \$119.95 **THY40** 4" Reach **THY50** 5" Reach \$159.95 THY60 6" Reach \$189.95

SPECIAL "NO HOLE" YOKE

No set hole in the upper flange you set your rivet against the yoke itself. For use in tight areas. 1" reach x 1" gap.

THY101 \$69.95



SPECIAL "LONGERON" YOKE

For working over flanges. Features 2" gap for working over obstructions. 2" reach x 2" gap.

THY22 \$84.95



TATCO™ SQUEEZERS

Some of our competitors are selling Chinese made tools that look very similar to the genuine TATCO™ Squeezers that we sell – DO NOT BE CONFUSED. Genuine TATCO™ Rivet Squeezers are made in the USA just as they have been for over 20 years, and their heat treat processes and materials cannot be matched. Insist on genuine American made TATCO™ products and avoid imported copycat clones.



TATCO™ HAND RIVET SQUEEZERS

We think TATCO™ Rivet Squeezers are the best squeezer on the market hands down. Made in the USA of quality stainless steel to the highest standards, features include an adjustable ram and a locking lever arm for easy tool box storage. Yokes are EASILY interchangeable by simply removing three roll pins. One of the finest tools we sell, we guarantee your complete satisfaction with the quality and function of TATCO™ Hand Rivet Squeezers! Choose from several yoke sizes for a variety of applications.

THS15	1-1/2" Rivet Squeezer	\$144.95
THS20	2" Rivet Squeezer	\$163.95
THS30	3" Rivet Squeezer	\$179.95
THS40	4" Rivet Squeezer	\$219.95



DELUXE TATCO™ RIVET SQUEEZER KIT

A Brown Tool exclusive! Our Deluxe TATCO™ Kit includes a complete TATCO™ Rivet Squeezer with three interchangeable yokes (1-1/2", 2", & 3") complete with a custom fitted box with precision cut foam for quick and easy tool box storage. Also includes six Squeezer Sets (3/32", 1/8", 5/32", 3/16" Cupped and two Flush Sets). Made in the USA! You save \$26.60 and get a free storage box by buying this kit!

DTATK-9 \$314.95



HAND RIVET SQUEEZERS

ECONOMY HAND RIVET SQUEEZERS

Our light/medium duty Rivet Squeezers are comparable to the imported Hand Rivet Squeezers offered by many of our competitors. These low-cost tools are well made and are perfect for many rivet squeezing applications. If you are a professional sheet metal technician or you need a more robust tool, we highly recommend our American made TATCO Hand Rivet Squeezers shown on page 33. Many tool suppliers do not seem too interested in letting you know where their "low-cost" tools are made, we think you have a right to know where your tools are made so that you can make an educated decision based on your needs and budget.



ECONOMY HAND RIVET SQUEEZERS

- Accepts industry standard 3/16" (.187) shank squeeze sets or dimple dies.
- Choose with either a 3" or 1" reach yoke.
- Yoke has a 1-1/4" gap with either a 1" or 3" reach.
- Ram is easily adjustable (threads in or out).
- Handle locking lever for easy tool box storage.
- Yokes are easily changed with just three roll pins.
- 14-1/2" overall length.
- Quality import (made in Taiwan) all steel construction.

Model	Yoke	Price
BAT-HSQZ10	Hand Squeezer with 1" Yoke	\$67.95
BAT-HSQZ30	Hand Squeezer with 3" Yoke	\$74.95



ECONOMY HAND RIVET SQUEEZER KIT

Save money with our kit/combo deal! You get one BAT-HSQZ30 3" Hand Rivet Squeezer and one BAT-HSY10 1" Yoke along with the six most common rivet squeezer sets (two flush, and four cupped - 3/32", 1/8", 5/32", & 3/16"). If purchased separately, you would pay \$134.60. Take advantage of this kit deal and pay only \$114.95 - you save \$19.65!

BAT-HSKIT8 \$114.95



EXTRA / REPLACEMENT YOKES

Yokes are easily installed or removed with just three roll pins.



Model	Yoke	Price
BAT-HSY10	1" Reach Yoke Only	\$27.95
BAT-HSY30	3" Reach Yoke Only	\$29.95

QUICK CHANGE YOKE PINS - 3 PIECE KIT

Made of stainless steel. Use instead of roll pins with our TATCO or Economy Hand Rivet Squeezers and speed up the process of changing yokes. Pull ring with 1/4" diameter pin and either 5/8" length (for Economy Squeezer) or 3/4" length (for TATCO Squeezer).

Model	For Use With	Price
BAT-QCYP58	5/8" Length/Economy Squeezer	\$5.95
BAT-QCYP34	3/4" Length/TATCO Squeezer	\$5.95

6 PIECE RIVET SQUEEZER KIT

Basic starter set of Rivet Squeezer
Sets gives you everything you need to install most solid flush and button head rivets. You get two flush sets and four cupped sets (3/32", 1/8", 5/32", & 3/16"). Made in the USA!

BAT-SQZ6PC \$27.95

See our other Squeeze Set Kits on page 32.

4 PIECE DIMPLE DIE KIT

Starter kit of our four most popular sizes for rivets (3/32", 1/8", 5/32", & 3/16"). You get both male and female dies in each size for a total of eight individual pieces. Includes storage box. If purchased separately, you would pay \$75.80, take advantage of this kit deal and pay only \$49.95 -

you save \$25.85!

DDSET-4PC \$49.95

See more Dimple Dies on page 32.

DRILLING ATTACHMENTS



45° "MIDGET" DRILL ATTACHMENT - HEAVY DUTY

The model 345 is perfect for drilling in areas where a 45 degree angle is advantageous. Uses 1/4-28 threaded drill bits and accessories. Recommended 1/4" diameter drill capacity. 7-1/2" long, features a 1/4" chucking shank for use with most any drill motor. Made in the USA by Terry Tools.

345 \$164.95



Heavy duty flexible shaft gives you drilling access to many hard to reach areas. Accepts 1/4-28 threaded drill bits and accessories. 1-3/8" head height. 5/16" diameter drill capacity. Manufactured in the USA by Terry Tools – extremely high quality! (Do not confuse this tool with "light duty" models with smaller drilling capacities, this is a heavy duty tool with a 5/16" drill capacity!)

N-63 \$164.95



"ECONOMY" 90° DRILLING ATTACHMENT - LIGHT DUTY

This tool is an economical alternative to a complete right angel drill. Simply chuck up the shank of this tool into any standard drill motor and you have yourself a 90° drill. 7" overall length, head is 1" long. Uses industry standard 1/4-28 threaded drill bits and accessories.

OM90 \$45.95



90° "MIDGET" DRILLING ATTACHMENT - STANDARD DUTY

The "small tool with the big thread", our model 1-1 can be used with any drill motor with a 1/4" chuck. Uses 1/4-28 threaded drill bits and accessories for extremely close quarter drilling. Recommended maximum drill diameter to be used with the 1-1 is 3/16". 6" long with 7/8" head height. **Manufactured by**

Terry Tools in the USA!

1-1 \$112.95



90° DRILLING ATTACHMENT - HEAVY DUTY

Similar to our model 1-1 but with beefier gears for larger diameter drilling. 7-1/8" long with a 1-1/4" head height. Uses industry standard 1/4-28 threaded drill bits and accessories. Maximum recommended drill diameter is 5/16". Made in the USA by Terry Tools.

TER-3 \$124.95



This attachment will allow drilling access to many hard to reach areas. The head of this tool can be rotated and locked a full 360 degrees. Accepts industry standard 1/4-28 threaded drill bits. 7-5/8" long with a total head height of 2-3/16". 1/4" diameter drill capacity. High quality tool made in the USA by Terry Tools.

TER-34 \$269.95

360° DRILLING ATTACHMENT - LIGHT DUTY

Same design as our Model TER-34, but smaller for use in tighter areas. 6-1/2" overall length with a head height of 1.6". Accepts industry standard 1/4-28 threaded drill bits. 3/16" diameter drill capacity. Made in the USA by Terry Tools.

TER-4-1 \$189.95



DRILLING ATTACHMENTS

THREADED "MINI-CHUCK" - 1/4" CAPACITY

Allows you to chuck anything up to a 1/4" in diameter to your threaded drill motor. 1/4-28 threads. 3589 \$29.95



THREADED DRILL COLLETS/ADAPTERS

A Brown Tool exclusive, our threaded drill collets feature a two-tone finish to resist rust and corrosion. 1/4-28 male threads permits you to use standard drill bits in your threaded angle drill or drilling attachment. While most of our competitors stock only five sizes, we stock 16! Sizes are stamped on each collet for easy identification. Made in the USA!

Part Number	Size	Price Each
TC-3/32	3/32"	\$4.95
TC-40	#40	\$4.95
TC-1/8	1/8"	\$4.95
TC-30	#30	\$4.95
TC-27	#27	\$4.95
TC-5/32	5/32"	\$4.95
TC-21	#21	\$4.95
TC-19	#19	\$4.95
TC-16	#16	\$4.95
TC-13	#13	\$4.95
TC-3/16	3/16"	\$4.95
TC-11	#11	\$4.95
TC-10	#10	\$4.95
TC-08	#8	\$4.95
TC-7/32	7/32"	\$4.95
TC-1/4	1/4"	\$4.95

5 PIECE THREADED COLLET SET

Contains #40, #30, #21, #10 & 1/4".





16 PIECE THREADED COLLET SET

Contains one each of all 16 sizes.

TC-SET16 \$54.95



"PANCAKE" DRILL ATTACHMENT

Attaches directly to your drill for access to those "hard to reach" areas. Accepts industry standard 1/4-28 threaded drill bits and accessories. Only 2-7/16" long and 7/16" thick with a 1/4" chucking shank. Gears are heat-treated and shaft is precision ground - suitable for the toughest jobs.

BAT-008 \$98.95

LONG "PANCAKE" DRILL ATTACHMENT

Only 3/8" thick for access into very tight areas! Has a 3-3/4" reach. Tool is 4-7/16" tall. Accepts industry standard 1/4-28 threaded drill bits. Features hardened and ground bearing supported shaft. Extremely high

quality and of course, it is made in the USA!

BAT-835 \$214.95

LONG OFFSET "PANCAKE" **DRILL ATTACHMENTS**

Very similar to our Long Pancake Attachment above, but choose one of these models with either a Right Hand or Left Hand 30 degree offset end. Has a 3-1/8" reach. Accepts industry standard 1/4-28 threaded drill bits. Precision made in the USA!

BAT-845 30 Degree Right Hand Attachment \$246.95 BAT-855 30 Degree Left Hand Attachment \$246.95

11 PIECE 90° DRILL ATTACHMENT KIT

A Brown Tool exclusive! Handy kit includes our Terry Tools model 1-1 Drill Attachment and 10 assorted Cobalt Threaded Drill Bits (includes one each of #40, #30, #21, #10 & 1/4" in both stubby



and short lengths). Kit is packaged in a custom case with precision cut tool control foam for easy storage and identification.

Everything in this kit is made in the USA!

1-1-KIT \$129.95



COUNTERSINK CAGES / MICROSTOPS

We offer several different styles and grades of Countersink Cages for use in a wide range of conditions from occasional use to constant heavy-duty use. If you are just going to countersink occasionally, select one of our standard duty models, however, if you use your countersink cage frequently, we highly recommend that you invest in one of the heavier duty models. Many of our competitors sell only imported cloned cages from Taiwan or China and they do not bother to tell you so, we offer you the choice of economy imported cages (perfect for occasional use) or our better American made cages which are constructed and intended for professional heavy duty use. We think you should know where your tools are made and you should have the choice to buy the appropriate grade of tool for your use. When shopping around, we challenge you to educate yourself about where the "cheap tools" from some of our competitors are coming from and why they are so "cheap". Remember, the pleasure of low price is long gone when the pain of poor quality appears.

ADJUSTABLE COUNTERSINK CAGE

Adjustable in increments of .001" for precise countersinking. Accepts 1/4-28 threaded countersinks. 5/8" cutter capacity. Rated for 3,000 RPM use. Quality Import.

CC01 \$21.95



ADJUSTABLE COUNTERSINK CAGE - AMERICAN MADE!

Adjustable in increments of .001" for precision countersinking. Features an upper and lower bronze bearing for true spindle support. 5/8" cutter capacity. Rated for 3,000 RPM use. **Made in the USA!**

CC01-USA \$29.95

HEAVY DUTY COUNTERSINK CAGE

This heavy duty model features ball bearings for ultra smooth operation and spindle support. Adjustable in increments of .001". 5/8" cutter capacity. Highly polished foot piece. Rated for 10,000 RPM use! Quality Import.

CC01-363 \$35.95



HEAVY DUTY COUNTERSINK CAGE - OUR BEST AMERICAN MADE!

Our American made **HEAVY DUTY** model features upper and lower ball bearings for maximum spindle support and smoothness. Adjustable in increments of .001". Accepts industry standard 1/4-28 threaded countersinks. 5/8" cutter capacity. Rated for 10,000 RPM use. Thrust bearings insure depth stop accuracy! **Made in the USA!**

CC01-363-USA \$42.95

"NO-MAR" COUNTERSINK CAGE

Same as our CC01, but with protective "No-Mar" footpiece. Perfect for use on highly cosmetic areas that cannot have even the slightest blemish.

Rated for 3,000 RPM use. Quality Import.

CC01-TEF \$26.95 CC01-TEF-FP Replacement Foot Piece Only \$4.45



"NO-MAR" COUNTERSINK CAGE - AMERICAN MADE!

Same as our CC01-USA but with a protective "No-Mar" footpiece to reduce scratches and tool marks. Features an upper and lower bronze bearing for maximum spindle support. Rated for 3,000 RPM use. **Made in the USA!**



COUNTERSINK CAGES

"SEAT TRACK" / MINI COUNTERSINK CAGE

Our smaller diameter Countersink Cage is designed to fit inside most seat track cutouts. 1/2" cutter capacity. Rated for 3,000 RPM use. Choose from economy imported version or our **USA Made** version.

CC01-361 (Imported) \$20.95 CC01-361-USA (Made in USA) \$29.95



EXTENDED FOOTPIECE COUNTERSINK CAGE

Designed to give you extra reach when countersinking, especially useful when doing aircraft skin work with draw clecos in your way. 6-1/4" long, skirt is 3/4" in diameter and will accomodate cutters up to 5/8" in diameter. Adjustable in increments of .001". Accepts industry standard 1/4-28 threaded countersinks. Made in the USA!

BAT-EFCC01 \$89.95





MINI COUNTERSINK CAGE WITH NO-MAR FOOT PIECE

Same basic cage as the CC01-361 with the addition of a "no-mar" foot piece. Rated for 3000 rpm use. 7/16" diameter cutter capacity. Cutting depth is adjustable in approximate .001" increments. 1/4" chucking shank. 3-1/8" overall length. Outside diameter of cage is 3/4", width of no-mar foot piece is .82". Uses industry standard 1/4-28 threaded countersinks. Imported.

CC01-361-TEF \$26.95



NEW PRODUCT!

HEAVY DUTY MICROSTOP / COUNTERSINK CAGE WITH NO-MAR FOOT PIECE

This heavy-duty cage features a no-mar foot piece to help prevent blemishes on your aircraft skin or structure. Rated for 10,000 rpm use with heavy-duty ball bearing construction. 1/4" chucking shank. 5/8" diameter cutter capacity. 3.8" overall length. Cutting depth is easily adjustable in approximate .001" increments. Outside diameter of cage body is 3/4", width of no-mar foot piece is 1". Uses industry standard 1/4-28 threaded countersink cutters. Imported.

CC01-366-TEF \$38.95





MINIATURE TIGHT SPACE COUNTERSINK CAGE

Has a 1/4-28 threaded shank for use with a threaded drill motor in extremely tight areas. Accepts threaded countersink cutters up to 1/2" in diameter. Rated at 3,000 RPM. Only 1.65" long! Imported

BAT-CC362 \$24.95



SMALL DIAMETER EXTENDED REACH COUNTERSINK CAGE

Our high quality Extended Reach Cage gives you extra reach when countersinking. Especially useful when doing aircraft skin work with draw clecos in your way. Outside diameter of skirt is only 1/2". Use cutters up to 3/8" in diameter. 2-3/4" skirt length, 6" overall length. Cutting depth is easily adjustable in approximate .001" increments. 1/4" chucking shank. Uses industry standard 1/4-28 threaded countersink cutters. Made in the USA!

CC01-EF38-USA \$69.95



COUNTERSINK CAGES



9 PIECE COUNTERSINK CAGE & CUTTER KIT

Always have the correct size Countersink Cutter at your fingertips. Our new kit includes one each of our Model CCO1 Countersink Cage/Microstop, as well as, 8 Piloted Countersink Cutters in the following sizes: #40, 1/8", #30, 5/32", #21, 3/16", #10, and 1/4". All stored in a custom fitted storage box with CNC cut foam inserts.

BAT-CSK-9 \$69.95

VISIT OUR WEBSITE AT WWW.BROWNTOOL.COM TO SEE OUR NEWEST PRODUCTS AND LATEST SPECIALS!



JUMBO PILOTED THREADED COUNTERSINK CUTTERS

For use with our Jumbo Countersink Cage, these cutters feature a 3/8-24 thread. Overall diameter is 7/8". 100 Degree. Three Flute.

Part Number	Pilot Size	Price Each
JCC-1/4	1/4"	\$29.95
JCC-5/16	5/16"	\$29.95
JCC-3/8	3/8"	\$29.95
JCC-7/16	7/16"	\$29.95
JCC-1/2"	1/2"	\$29.95



Used for countersinking large fastener holes. Will accomodate cutters up to 1-1/4" in diameter. Accepts 3/8-24 threaded countersinks. Features dual bearings for upper and lower spindle support. 3/8" chucking shank. Rated at 3,000 RPM.

BAT-655 \$79.95



100° PILOTED THREADED COUNTERSINKS

We sell tens of thousand of Countersink Cutters each year, and they can be found in most major aircraft repair stations and factories throughout the world - OUR QUALITY IS UNMATCHED.

Three Flute • 1/4-28 Threads • High Speed Steel • 100°







Part Number	Pilot Size	Decimal Equivalent	Body Diameter	1-11 Pieces	12-24 Pieces	25-99 Pieces	100 & Up
CC332	3/32"	.0938	1/2"	\$6.29	\$5.65	\$5.29	\$4.98
CC040	#40	.0980	1/2"	\$6.29	\$5.65	\$5.29	\$4.98
ССО40-В	#40	.0980	3/8"	\$6.29	\$5.65	\$5.29	\$4.98
CC18	1/8"	.1250	1/2"	\$6.29	\$5.65	\$5.29	\$4.98
CC030	#30	.1285	1/2"	\$6.29	\$5.65	\$5.29	\$4.98
СС030-В	#30	.1285	3/8"	\$6.29	\$5.65	\$5.29	\$4.98
CC027	#27	.1440	1/2"	\$6.29	\$5.65	\$5.29	\$4.98
CC027-B	#27	.1440	3/8"	\$6.29	\$5.65	\$5.29	\$4.98
CC532	5/32"	.1562	1/2"	\$6.29	\$5.65	\$5.29	\$4.98
CC021	#21	.1590	1/2"	\$6.29	\$5.65	\$5.29	\$4.98
CC021-B	#21	.1590	3/8"	\$6.29	\$5.65	\$5.29	\$4.98
CC020	#20	.1610	1/2"	\$6.29	\$5.65	\$5.29	\$4.98
СС020-В	#20	.1610	3/8"	\$6.29	\$5.65	\$5.29	\$4.98
CC019	#19	.1660	1/2"	\$6.29	\$5.65	\$5.29	\$4.98
CC016	#16	.1770	1/2"	\$6.29	\$5.65	\$5.29	\$4.98
CC013	#13	.1850	1/2"	\$6.29	\$5.65	\$5.29	\$4.98
CC316	3/16"	.1875	1/2"	\$6.29	\$5.65	\$5.29	\$4.98
CC012	#12	.1890	1/2"	\$6.29	\$5.65	\$5.29	\$4.98
CC011	#11	.1910	1/2"	\$6.29	\$5.65	\$5.29	\$4.98
CC010	#10	.1935	1/2"	\$6.29	\$5.65	\$5.29	\$4.98
СС010-В	#10	.1935	3/8"	\$6.29	\$5.65	\$5.29	\$4.98
CC009	#9	.1960	1/2"	\$6.29	\$5.65	\$5.29	\$4.98
cc008	#8	.1990	1/2"	\$6.29	\$5.65	\$5.29	\$4.98
CC007	#7	.2010	1/2"	\$6.29	\$5.65	\$5.29	\$4.98
CC006	#6	.2040	1/2"	\$6.29	\$5.65	\$5.29	\$4.98
CC005	#5	.2055	1/2"	\$6.29	\$5.65	\$5.29	\$4.98
CC004	#4	.2090	1/2"	\$6.29	\$5.65	\$5.29	\$4.98
CC003	#3	.2130	1/2"	\$6.29	\$5.65	\$5.29	\$4.98
CC732	7/32"	.2188	1/2"	\$6.29	\$5.65	\$5.29	\$4.98
CC-D	"D"	.2460	1/2"	\$6.29	\$5.65	\$5.29	\$4.98
CC14	1/4"	.2500	1/2"	\$6.29	\$5.65	\$5.29	\$4.98
CC14-C	1/4"	.2500	5/8"	\$8.95	\$8.29	\$7.89	\$6.98
CC-G	"G"	.2610	1/2"	\$6.29	\$5.65	\$5.29	\$4.98
CC-J	"J"	.2770	5/8"	\$8.95	\$8.29	\$7.89	\$6.98
CC309	.309	.3090	5/8"	\$8.95	\$8.29	\$7.89	\$6.98
CC516	5/16"	.3125	5/8"	\$8.95	\$8.29	\$7.89	\$6.98

100° NON-PILOTED THREADED COUNTERSINK CUTTER

Our two flute "suicide" countersink cutter is 3/8" in diameter and features 1/4-28 threads.
High Speed Steel.

BAT4475-2 \$8.95 Each



CARBIDE TIPPED COUNTERSINK CUTTERS WITH FIXED PILOT

Perfect for use on highly abrasive materials including many of today's advanced composite materials. Carbide tips are bonded to high speed steel bodies. 1/2" diameter, three flute, industry standard 1/4-28 threads. These 100° and 130° sizes in stock for immediate shipment, other sizes available by special order.

Part Number	Pilot Size	Decimal Equivalent	Degree	Price Each
CC040-CT	#40	.0980	100°	\$29.95
CC030-CT	#30	.1285	100°	\$29.95
CC021-CT	#21	.1590	100°	\$29.95
CC010-CT	#10	.1935	100°	\$29.95
CC14-CT	1/4"	.2500	100°	\$29.95
CC040-130-CT	#40	.0980	130°	\$39.95
CC030-130-CT	#30	.1285	130°	\$39.95
CC021-130-CT	#21	.1590	130°	\$39.95
CC010-130-CT	#10	.1935	130°	\$39.95
CC14-130-CT	1/4"	.2500	130°	\$39.95

CARBIDE TIPPED COUNTERSINK CUTTERS - WITH 3/32" THRU HOLE FOR REPLACEABLE PILOTS

Use on highly abrasive materials such as many advanced composite materials. These cutters feature a 3/32" thru hole which enable

you to use a variety of different pilot sizes with one cutter body. The pilots (sold separately) slide into the 3/32" thru hole and are locked into place with a set screw. Choose 100° or 130°. 1/2" body diameter, two flute, 1/4-28 threads. High speed steel body with solid carbide tips bonded to the flutes. Use with our BAT-4420 series pilots.

BAT-4405 100° Carbide Tipped Countersink Cutter with 3/32" Pilot Hole \$32.95
BAT-4405-130 130° Carbide Tipped Countersink Cutter with 3/32" Pilot Hole \$39.95

HIGH SPEED STEEL COUNTERSINK CUTTERS - WITH 3/32" THRU HOLE FOR REPLACEABLE PILOTS

These cutters enable you to use one countersink body with a variety of pilot sizes. Use with our BAT-4420 series replaceable pilots. The pilots (sold separately) slide into the 3/32" thru hole and are locked into place with a set screw. Choose from 82°, 100°, 120°, or 130° models. 1/2" body diameter, three flute, 1/4-28 threads.

CC1/2X82 82° Countersink Cutter with 3/32" Pilot Hole \$12.95 CC1/2X100 100° Countersink Cutter with 3/32" Pilot Hole \$10.95 CC1/2X120 120° Countersink Cutter with 3/32" Pilot Hole \$14.95 CC1/2X130 130° Countersink Cutter with 3/32" Pilot Hole \$14.95

REPLACEABLE COUNTERSINK PILOTS WITH 3/32" SHANK

For use with our Countersink Bodies with 3/32" thru holes. The bottom of the pilot is undercut so that it fits perfectly over the countersink flutes resulting in superb quality countersink cuts. Choose from these stock sizes. Other sizes available by special order.

Part Number	Pilot Size	Decimal Equivalent	Price Each
BAT-4420-#40	#40	.0980	\$6.95
BAT-4420-1/8	1/8"	.1250	\$6.95
BAT-4420-#30	#30	.1285	\$6.95
BAT-4420-#27	#27	.1440	\$6.95
BAT-4420-5/32	5/32"	.1562	\$6.95
BAT-4420-#21	#21	.1590	\$6.95
BAT-4420-#20	#20	.1610	\$6.95
BAT-4420-#19	#19	.1660	\$7.45
BAT-4420-#16	#16	.1770	\$7.45
BAT-4420-#13	#13	.1850	\$7.45
BAT-4420-3/16	3/16"	.1875	\$7.45
BAT-4420-#12	#12	.1890	\$7.95
BAT-4420-#11	#11	.1910	\$7.95
BAT-4420-#10	#10	.1935	\$7.45
BAT-4420-#8	#8	.1990	\$8.45
BAT-4420-D	"D"	.2460	\$8.45
BAT-4420-1/4	1/4"	.2500	\$7.95



SPECIAL COUNTERSINKS

COBALT COUNTERSINK CUTTERS - 100°

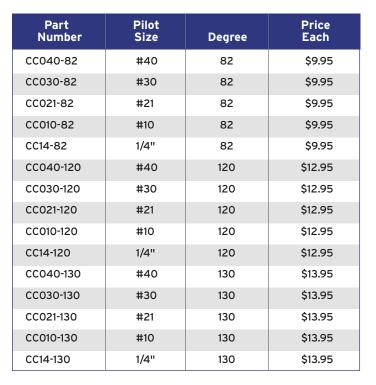
Manufactured of M42 cobalt for use in tougher applications where regular high speed steel is not effective. Three flute, 1/2" body diameter, 100 degree, 1/4-28 threads.



Part Number	Pilot Size	Decimal Equivalent	Price Each
CCO40-COB	#40	.0980	\$12.95
CC030-COB	#30	.1285	\$12.95
CC021-COB	#21	.1590	\$12.95
CC010-COB	#10	.1935	\$12.95
CC14-COB	1/4"	.2500	\$12.95
CC-COB5PC	Set of	\$57.95	

SPECIAL ANGLE COUNTERSINK CUTTERS

Choose from 82, 120, or 130 Degree for specialized fastener applications. 1/2" O.D., 3 Flute, 1/4-28 Threads. Made of High Speed Steel! Other sizes available – just ask!



SMALL DIAMETER 5/16" BODY COUNTERSINK CUTTERS - 100°

Super small body diameter - perfect for use with our Small Diameter Extended Reach Countersink Cage (model CC01-EF38-USA) shown on page 38.

Three flute, 5/16" body diameter, 100°, 1/4-28 threads. High speed steel.



Part Number	Pilot Size	Decimal Equivalent	Price Each
CC040-A	#40	.0980	\$8.95
CC030-A	#30	.1285	\$8.95
CC021-A	#21	.1590	\$8.95

SPECIAL COUNTERSINKS FOR MS14218/MS14219 RIVETS

Use these special countersinks to prepare holes for Military Standard #MS14218 / Briles Rivet Corp. STD #BRFZ or Military Standard #MS14219 / Briles Rivet Corp. STD #BRFR style rivets. These special countersinks feature a very unique geometry that cuts a "counterbore" and "countersink" in the same hole. 120 degree with industry standard 1/4-28

threads. Manufactured of High Speed Steel.

Part Number	Description	Pilot Size	Price Each
Cutters for MS1421	8/Briles Rivet Corp STD# BF	RFZ Style "Sh	ear" Rivets
CC14218-3S	3/32" Shear	3/32"	\$49.50
CC14218-4S	1/8" Shear	1/8"	\$49.50
CC14218-5S	5/32" Shear	5/32"	\$49.50
CC14218-6S	3/16" Shear	3/16"	\$49.50
CC14218-7S	7/32" Shear	7/32"	\$54.50
CC14218-8S	1/4" Shear	1/4"	\$49.50
CC14218-9S	9/32" Shear	9/32"	\$54.50
CC14218-10S	5/16" Shear	5/16"	\$54.50
Cutters for MS14219	/ Briles Rivet Corp STD# BR	RFR Style "Te	nsion" Rivets
CC14219-3T	3/32" Tension	3/32"	\$54.50
CC14219-4T	1/8" Tension	1/8"	\$54.50
CC14219-5T	5/32" Tension	5/32"	\$54.50
CC14219-6T	3/16" Tension	3/16"	\$54.50
CC14219-7T	7/32" Tension	7/32"	\$59.50
CC14219-8T	1/4" Tension	1/4"	\$54.50
CC14219-9T	9/32" Tension	9/32"	\$59.50
CC14219-10T	5/16" Tension	5/16"	\$59.50

Briles Rivet, FZP and FRP are registered trademarks of Allfast Fastening Systems, Inc. Our cutters are not manufactured to the same specifications as tooling supplied by Allfast Fastening Systems, Inc. Brown Aviation Tool Supply Co. is not licensed, sponsored, or affiliated in any way with Allfast Fastening Systems, Inc.



HOLE FINDERS / STRAP DUPLICATORS



STANDARD BUSHING STYLE HOLE FINDER

Part Number	Length	Size	Price Each
6001-1	8-1/2"	#40	\$7.95
6001-2	8-1/2"	#30	\$7.95
6001-3	8-1/2"	#21	\$7.95
6001-5	8-1/2"	#10	\$7.95
6001-8	8-1/2"	1/4"	\$7.95
6001-1EL	13-1/2"	#40	\$9.95
6001-2EL	13-1/2"	#30	\$9.95
6001-3EL	13-1/2"	#21	\$9.95
6001-5EL	13-1/2"	#10	\$9.95
6001-8EL	13-1/2"	1/4"	\$9.95



CHOOSE OUR 5 PIECE KITS WHICH INCLUDE ONE EACH OF #40, #30, #21, #10, AND 1/4", AND SAVE!

Part No.	Description	Price
HFSET	5 Pc 8-1/2" Standard Bushing Hole Finder Kit	\$29.95
ELHFSET	5 Pc 13-1/2" Standard Bushing Hole Finder Kit	\$35.95
HFSET-INV	5 Pc 8-1/2" "Inverted Pin" Bushing Hole Finder Kit	\$32.95
ELHFSET-INV	5 Pc 13-1/2" "Inverted Pin" Bushing Hole Finder Kit	\$45.95
HFSET-SP	5 Pc 8-1/2" Spring Loaded Hole Finder Kit	\$69.95

"INVERTED" BUSHING STYLE HOLE FINDER

Part Number	Length	Size	Price Each
6002-1	8-1/2"	#40	\$8.95
6002-2	8-1/2"	#30	\$8.95
6002-3	8-1/2"	#21	\$8.95
6002-5	8-1/2"	#10	\$8.95
6002-8	8-1/2"	1/4"	\$8.95
6002-1EL	13-1/2"	#40	\$10.95
6002-2EL	13-1/2"	#30	\$10.95
6002-3EL	13-1/2"	#21	\$10.95
6002-5EL	13-1/2"	#10	\$10.95
6002-8EL	13-1/2"	1/4"	\$10.95



10 PIECE MASTER HOLE FINDER KITS

SAVE EVEN MORE WITH OUR 10 PIECE KITS! You get one standard bushing style and one inverted style hole finder in each of the five sizes: #40, #30, #21, #10, & 1/4" - 10 pieces in all! Choose 8-1/2" or 13-1/2" length.

Part No.	Description	Price
HFSTIN-10	10 piece 8-1/2" Master Hole Finder Kit	\$46.95
HFSTINEL-10	10 Piece 13-1/2" Master Hole Finder Kit	\$59.95

SPRING LOADED "PUNCH" STYLE HOLE FINDER

Part Number	Length	Size	Price Each
6000-1	8-1/2"	#40	\$17.95
6000-2	8-1/2"	#30	\$17.95
6000-3	8-1/2"	#21	\$17.95
6000-5	8-1/2"	#10	\$17.95
6000-8	8-1/2"	1/4"	\$17.95

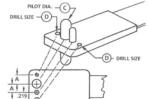


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NUTPLATE DRILL JIGS

Designed to enable accurate locating and drilling of nutplate rivet holes. Flexible handle provides clearance while jig is in use. These standard sizes stock, other sizes available.





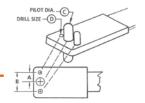
D- DRILL SIZE

TWO LUG TYPE (DOUBLE WING) STANDARD SPACING

Part Number	Screw Size	"A" Spacing	"B" Spacing	"C" Pilot Diam	"D" Drill Size	Price Each
BAT3518-A	#6	.344	.688	.139	#40	\$29.95
BAT3518-B	#8	.344	.688	.164	#40	\$29.95
BAT3518-C	#10	.344	.688	.191	#40	\$29.95
BAT3518-D	1/4"	.500	1.00	.248	#40	\$29.95

ONE LUG TYPE (SINGLE WING) -TIGHT SPACE SAVER SPACING

Part Number	Screw Size	"A" Spacing	"C" Pilot Diam	"D" Drill Size	Price Each
BAT3518-PB	#6	.218	.139	#40	\$33.95
BAT3518-PC	#8	.234	.164	#40	\$33.95
BAT3518-PD	#10	.250	.191	#40	\$33.95
BAT3518-PE	1/4"	.281	.248	#40	\$33.95



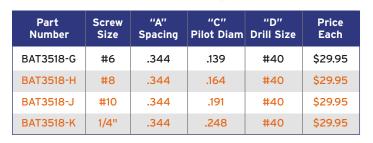
TWO LUG TYPE (DOUBLE WING) - TIGHT SPACE SAVER SPACING

Part Number	Screw Size	"A" Spacing	"B" Spacing	"C" Pilot Diam	"D" Drill Size	Price Each
BAT3518-NB	#6	.218	.436	.139	#40	\$31.95
BAT3518-NC	#8	.234	.468	.164	#40	\$31.95
BAT3518-ND	#10	.250	.500	.191	#40	\$31.95
BAT3518-NE	1/4"	.281	.562	.248	#40	\$31.95



Part Number	Screw Size	"A" Spacing	"C" Pilot Diam	"D" Drill Size	Price Each
BAT3518-R	#6	.344	.139	#40	\$33.95
BAT3518-S	#8	.344	.164	#40	\$33.95
BAT3518-T	#10	.344	.191	#40	\$33.95
BAT3518-U	1/4"	.500	.248	#40	\$33.95

ONE LUG TYPE (SINGLE WING) STANDARD SPACING





Part Number	Screw Size	"A" Spacing	"C" Pilot Diam	"D" Drill Size	Price Each
BAT3518-SB	#6	.218	.139	#40	\$33.95
BAT3518-SC	#8	.234	.164	#40	\$33.95
BAT3518-SD	#10	.250	.191	#40	\$33.95
BAT3518-SE	1/4"	.281	.248	#40	\$33.95

HI-LIGHTED PART NUMBERS ARE INCLUDED IN OUR NUTPLATE JIG KIT SHOWN ON PAGE 45.



HOLE SPOTTERS



A Brown Aviation Tool Exclusive this 12 piece kit contains the most popular Nutplate Jigs all stored in a custom fitted



storage case with precision cut foam. Contains #8, #10, & 1/4" Nutplate Jigs in Double Wing Style (Both Standard and Space Saver Spacing) and Single Wing Style (Also in both Standard and Space Saver Spacing). The Nutplate Jigs alone would cost \$377.40 if purchased separately (not counting the cost of the box and foam) - you can buy this kit for only \$319.95 and save over \$60! This comprehensive kit will ensure you always have the Nutplate Jig you need in your tool box and ready to go!

BAT3518-KIT12 \$319.95

TRANSFER PUNCH SET

Precision manufactured punches with a sharp point used to "transfer" holes. Made in the USA of the finest tool steel and carefully heat-treated for long useful life. Indexed



Part No.	Description	Price
3-17	28 Pc Fractional Set (3/32" thru 1/2")	\$69.95
XF-AZ	26 Piece Letter A thru Z Set	\$78.95
XF-160	60 Piece #1 thru #60 Set	\$92.95

ECONOMY FRACTIONAL 28 PC. TRANSFER PUNCH SET

An economical imported version of our model 3-17.

BAT-XFER05 \$32.95

"BLIND" HOLE SPOTTERS

Also known as transfer pins. Use to "spot" holes quickly, simply, and easily. Some of our competitors offer a similar looking tool that is imported from Taiwan and they do not bother to tell you so, do not be confused. The heat



treat and quality of our Blind Hole Spotters is superb and you can buy with confidence knowing that our Blind Hole Spotters are made in the USA! Packages of six - price shown is for a package of six pieces.

Part Number	Diameter	Price per Pack of Six
BHS-1/8	1/8"	\$6.75
BHS-#30	#30	\$6.75
BHS-5/32	5/32"	\$6.75
BHS-#21	#21	\$6.75
BHS-#16	#16	\$6.75
BHS-3/16	3/16"	\$6.75
BHS-#10	#10	\$6.75
BHS-1/4	1/4"	\$6.75
BHS-5/16	5/16"	\$7.95
BHS-3/8	3/8"	\$7.95
BHS-7/16	7/16"	\$8.95
BHS-1/2	1/2"	\$8.95



TRANSFER SCREW SETS

Very similar to our "Blind Hole Spotters" but







Hollow handle is both a wrench and a storage holder. Each set includes one handle/wrench and six screws which store inside the handle when not in use. Made in the USA!

Part Number	Threaded Size	Price Per Set
TSC-8-32	8-32	\$16.75
TSC-10-32	10-32	\$16.75
TSC-1/4-28	1/4-28	\$16.75

SHEET METAL TOOLS



Make narrow and precise flutes in sheet metal with our high quality Fluting Pliers. Jaws are polished smooth and produce superb flutes. 10" overall length with comfort grip handles. Imported.

BAT-FP01 \$20.95



Features wide, flat jaws for forming and bending sheet metal. 3-1/8" wide jaws with 1-3/4" max jaw opening. Nickel plated finish to resist corrosion. Imported.

BAT-HS01 \$18.95

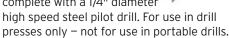


Use to easily form, bend, or straighten sheet metal. All steel construction with vinyl dipped comfort grip handles for maximum grip and comfort. Jaws are machined perfectly smooth and precision aligned for superior results. High quality import. 9-1/2" overall length. 3-3/8" x 1" deep jaws.

BAT-HSP95 \$14.95

HEAVY DUTY CIRCLE CUTTER

Cut 1" to 6" circles in sheet metal, composites, wood, and other materials. Features a 3/8" chucking shank for use in a drill press. Maximum recommended speed is 500 RPM. Comes complete with a 1/4" diameter



BAT-5B \$20.95





"AN" BOLT GAGE

Easily sizes all "AN" style bolts up to 5/8" in diameter and up to 5" in length. All steel construction. Simple to use. 5-1/2" wide by 6" long. Made in the USA!

BAT789 \$12.95



"CHUCKING SPUD" DRILL EXTENSIONS 😅



Used to chuck threaded drill bits and countersinks into a regular drill chuck. 1/4" shank on one end; 1/4-28 female threads on the other. Choose 2", 4", 6" or 8" overall length. Made in the USA!

Part Number	Size	Price Each
CS247	2"	\$5.95
CS248	4"	\$6.95
CS249	6"	\$7.95
CS250	8"	\$8.95
CS-SET	Set of all 4	\$22.95



DUAL THREADED DRILL EXTENSION

Features 1/4-28 female threads on one end and 1/4-28 male threads on the other so that you can use as an extension with your threaded drill bits and threaded drill motor. 2" overall length. Made in the USA!

CS246-DT \$5.95





MILBAR /IMPERIAL CONNECTOR PLUG PLIERS

Manufactured in the USA of high carbon steel and heat treated for long life. Four position pivot allows full range capacity from 3/4" to 2-1/2". Soft padded jaws will not mar connector plugs.

Made in the USA!

45Z Connector Plug Pliers \$33.95 45Z16 Pair of Replacement Pads \$6.95



Also known as Connector Plug Pliers. These are imported, but their quality is awesome! Four position pivot for full range of use from 1/2" to 2-1/2". Padded handles for comfort. 10" overall length. Soft grip jaws are slightly serrated and are easily replaced.

BAT-CPP8 \$14.95 BAT-CPP-RJ (set of replacement jaws) \$4.95

CUSHIONED CLAMP INSTALLATION PLIERS

A must have tool for anyone that works with Adel type cushioned clamps. Specially designed pliers come with an alignment awl that you use to perfectly line your clamp and hardware up for super easy clamp installation. Custom made with modifed 6" locking pliers - will fit into tight areas. Alignment awl included. With this tool, you will no longer dread Adel type cushioned clamp installation in hard to reach areas!

BAT-CP10 \$34.95



Industry standard plier

for use with stud series 2600, 2700, and 4002.

High quality - forged from steel and plated for long life. Imported.

CAPL-1 \$18.95

SPECIALTY PLIERS / WRENCHES



"FORD" SMOOTH JAW WRENCHES

General purpose wrenches with SMOOTH jaws – perfect for aircraft fittings. Forged from special analysis tool steel and chrome plated. Choose from four different sizes.

Model	Length	Max. Jaw Opening	Price
С79Н	9"	2-3/4"	\$24.95
C711H	11"	3"	\$28.95
C715	15"	3-5/8"	\$59.95
C718	18"	4-3/8"	\$81.95



KNIPEX SMOOTH JAW PLIER WRENCHES

A revolutionary new and ergonomically designed tool for gripping, holding, and bending. Unique cam action ratcheting system for easy and incredibly fast operation. 13 position push button ensures a perfect fit and the cam action design provides enormous leverage. Made in Germany. Patent pending. Choose from four sizes.

Model	Length	Max. Jaw Opening	Price
86-03-150	6"	1"	\$49.95
86-03-180	7"	1-3/8"	\$53.95
86-03-250	10"	1-3/4"	\$55.95
86-03-300	12"	2-3/8"	\$69.95



CAMLOC SNAP RING TOOL

Use this tool to easily and quickly install snap rings on the back side of all Camloc 4002 series grommets. Extremely simple and easy to use.

MS-T26 \$29.95



DEBURRING TOOLS



SINGLE CUTTING EDGE COUNTERSINKS - 100 DEGREE

Manufactured of high speed steel. These countersinks / deburring cutters feature a "hole-thru" flute for quick cutting and chip ejection, 1/4" chucking shank. Choose from two different sizes.

Part Number	Diameter	1-11 Pieces	12 & Up
67028	1/4"	\$8.75	\$7.85
67058	9/16"	\$10.755	\$9.65



100 DEGREE NON-PILOTED THREADED COUNTERSINK

Our two flute "suicide" countersink cutter is 3/8" in diameter and features 1/4-28 threads. High Speed Steel.

BAT4475-2 \$8.95 Each



Also known as an "edge breaker", this handy tool quickly removes burrs and roughness from the edges of sheet metal. Built in safety shield protects user's hands.

BAT-514 \$10.95







NIB FILE / DEBURRING TOOL - COARSE OR FINE

This handy little tool is designed to remove minor imperfections from paint jobs (works on both primer and top coat). Also perfect for use as a deburring tool over large areas such as belly skin replacements. Precision ground file with your choice of coarse or fine cut teeth is mounted to a wooden handle. Handle measures 1.4" x 1.3" x .8" high. File measures .9" x 1.4". Choose coarse or fine cut.

BAT-89780 Coarse Nib File \$14.95 BAT-89790 Fine Nib File \$14.95





Use to easily deburr holes up to 3/4" in diameter. 3/4" diameter five-flute "rosebud" style deburring bit is mounted to a comfortable screwdriver style handle. 5-1/8" overall length.

BAT-196HDT \$10.95



"SKIN SPOON" BURNISHING TOOL

Use this tool to remove and blend slight blemishes and scratches in sheet metal. Comfortable screwdriver style plastic handle. Highly polished "spoon" surface. 7-1/4" overall length.

BAT-SKSP-1 \$11.95



DEBURRING TOOLS



Perfect for removing burrs and sharp edges after drilling. Quick change blade system allows you to change blades in just seconds. Spare blades store inside handle. Set includes one handle and five assorted deburring blades.

BAT-DBUR6 \$10.95



HEAVY DUTY CHIP CHASER - USA MADE

Our American made Chip Chasers feature heavy duty orange "no-mar" plastic handles. Stainless blade is sturdy yet has enough spring to easily conform to curved areas. Choose from short model with 3" blade or long model with 5-3/4" blade. Handle length is 4-3/8" for both models. **Made in the USA exclusively for Brown Tool.**

BAT-CCH3 \$6.95 BAT-CCH5 \$7.95

Or, buy both for \$10.95 - order part number BAT-CCH2PC



LIGHT DUTY CHIP CHASERS - 2 PIECE SET

This imported version of our Chip Chaser is what the competition offers and is appropriate for occasional use. Light duty red plastic handles. You get both for one low price – long model has a 5-1/2" blade and short model has a 2-1/2" blade.

CHIP-2PC \$5.95

THREADED "ROSEBUD" DEBURRING BIT



Great for quickly deburring holes from 1/16" thru 3/8". Complete with 1/4-28 threads. Six flute design reduces chattering.

00525 \$7.95 (buy six or more at only \$6.75 each)



BAT-DLRB2 \$14.95

DRILL STOPS / SKIN WEDGES

SPRING DRILL STOPS

Attaches directly to your drill bit to help eliminate drill chuck marks and cushion drill "breakthrough".

Part Number	Color	Size	Price
DS50	Black	#50	\$1.95
DS40	Silver	#40	\$1.95
DS30	Copper	#30	\$1.95
DS27	Silver	#27	\$1.95
DS21	Black	#21	\$1.95
DS16	Black	#16	\$1.95
DS13	Brass	#13	\$1.95
DS10	Brass	#10	\$1.95
DS08	Black	#8	\$1.95
DS7/32	Silver	7/32"	\$1.95
DS1/4	Copper	1/4"	\$1.95
DS5/16	Copper	5/16"	\$2.95



Includes one each of our five most popular Drill Stops. (#40, #30, #21, #10 & 1/4")

DS-SET \$6.95

12 PIECE DRILL STOP SET

Includes one each of all 12 sizes.

DS-SET-12 \$14.95

PLASTIC NOSEPIECE



Reduce collateral material damage with our new "NO-MAR" Drill Stops! These innovative Drill Stops feature a plastic nose piece that is perfect for use with polished or painted surfaces, composite surfaces, or any area where you want to reduce the chance of material damage. Five sizes available. Made in the USA!

Part Number	Color	Size	Price
DSNM-40	Silver	#40	\$2.55
DSNM-30	Copper	#30	\$2.55
DSNM-20	Silver	#20	\$2.55
DSNM-10	Brass	#10	\$2.55
DSNM-1/4	Copper	1/4"	\$2.95
DSNM-5PC	Set of	\$9.75	





Use to gently separate two pieces of sheet metal. Manufactured of 4130 steel and perfectly heat-treated to permit slight flexibility so tool will not break during use. 7" long x 1" wide. A "must-have" tool for any aircraft sheet metal technician.

BAT-4130SW \$9.95



3 PIECE STEEL SKIN WEDGE SET



Three piece kit of our part # BAT-4130SW. If purchased separately, you would pay \$29.85, buy this three piece kit for only \$22.95 and save \$6.90!

BAT-SW3PC \$22.95



Brand new product that no sheet metal technician should be without! For many years, technicians have used skin wedge tools constructed of steel which can scratch and damage the material being separated - but now with our new No-Mar Skin Wedges, you do not need to worry about scratches or damage! Manufactured of a very heavy-duty fiber reinforced composite, our new design makes the job of separating two pieces of material simple and worry-free. Choose from two different designs one features a straight tapered wedge on one end and a 90° "rocker" tapered wedge on the other. The second tool features a heavyduty tapered wedge on one end. Both models are 6-1/2" long and feature ergonomic finger recesses. MADE IN THE USA

Part Number **Description** Price BAT-SKWG-1 Double End Wedge with 90° "Rocker" \$7.45 BAT-SKWG-2 Heavy Duty Skin Wedge \$7.45 BAT-SKWG2PC 2 Pc Set of Both Skin Wedges \$12.95



exclusively for Brown Aviation Tool.

"KHD" SERIES SPRING CLECO - 0-1/2" GRIP RANGE

Designed for clamping thicker workpieces, KHD series clecos have a grip range of 0-1/2".



Part Number	Color	Size	1-99 Pieces	100-999 Pieces	1000 & Up
KHD-3/32	Silver	3/32"	\$.79	\$.75	\$.68
KHD-1/8	Copper	1/8"	\$.79	\$.75	\$.68
KHD-5/32	Black	5/32"	\$.79	\$.75	\$.68
KHD-3/16	Brass	3/16"	\$.79	\$.75	\$.68
KHD-1/4	Copper	1/4"	\$1.50	\$1.35	\$1.29

"KEL" SERIES SPRING CLECO - 1/2" - 3/4" GRIP RANGE

For extra thick applications, KEL series will clamp workpieces from 1/2" thru 3/4" in thickness.



Part Number	Color	Size	1-99 Pieces	100-999 Pieces	1000 & Up
KEL-3/32	Silver	3/32"	\$1.98	\$1.79	\$1.69
KEL-1/8	Copper	1/8"	\$1.98	\$1.79	\$1.69
KEL-5/32	Black	5/32"	\$1.98	\$1.79	\$1.69
KEL-3/16	Brass	3/16"	\$1.98	\$1.79	\$1.69

SPRING CLECO NO-MAR CAPS

Easily slips over the end of any brand of spring cleco to help prevent marring and damage to aircraft skin. Color coded.



Part Number	Size	Color	Price
KSCAP-3/32	3/32"	Grey	\$.33
KSCAP-1/8	1/8"	Orange	\$.33
KSCAP-5/32	5/32"	Black	\$.33
KSCAP-3/16	3/16"	Blue	\$.33
KSCAP-1/4	1/4"	Yellow	\$.33

PNEUMATIC SPRING CLECO TOOL

Save your hands! Use our pneumatic spring cleco "pliers" to easily and quickly install or remove any brand of spring cleco. A must for anyone who is prone to repetitive stress from using standard manual cleco pliers. Inline design, includes 5 ft air hose. Imported.



SPRING CLECOS

Available in several different styles and sizes to suit a variety of applications, our Spring Clecos are made in the USA. We stock one of the largest selections of Cleco fasteners in the industry. Plier operated.

"K" SERIES STANDARD SPRING CLECO - 0-1/4" GRIP RANGE

The industry standard spring cleco with a grip of O-1/4". Color coded for ease of use.



Part Number	Color	Size	1-99 Pieces	100-999 Pieces	1000 & Up
K-1/16	Black	#50 (1/16")	\$1.98	\$1.79	\$1.64
K-3/32	Silver	#40 (3/32")	\$.44	\$.42	\$.38
K-1/8	Copper	#30 (1/8")	\$.44	\$.42	\$.38
K-5/32	Black	#21 (5/32")	\$.44	\$.42	\$.38
K-3/16	Brass	#10 (3/16")	\$.44	\$.42	\$.38
K-1/4	Copper	1/4"	\$1.14	\$1.09	\$.99
K-7/32	Silver	7/32"	\$1.69	\$1.49	\$1.34
K-177	Brass	#16 (.177)	\$1.69	\$1.49	\$1.34
K-144	Green	#27 (.144)	\$1.79	\$1.68	\$1.49

"KK" SERIES STUBBY SPRING CLECO - 0-1/4" GRIP RANGE

KK Series Stubby Clecos feature a shorter overall body length and are intended for use where space is limited.



Part Number	Color	Size	1-99 Pieces	100-999 Pieces	1000 & Up
KK-3/32	Silver	3/32"	\$.79	\$.75	\$.68
KK-1/8	Copper	1/8"	\$.79	\$.75	\$.68
KK-5/32	Black	5/32"	\$.79	\$.75	\$.68
KK-3/16	Brass	3/16"	\$.79	\$.75	\$.68

CLECO PLIERS

For installing any brand of spring cleco. Manufactured from nickel plated forged steel and now standard with an ergonomic comfort grip handle.

K-200 \$6.95

BAT-109 \$85.95



DRAW CLECOS



WING NUT DRAW CLECOS

Wing Nut Clecos are recommended for production applications where high clamping force is required. Clamping force ranges from zero to 300 lbs. Available in several different grip ranges. Made in the USA!

Part Number	Color	Size	Grip Range	1-99 Pieces	100-999 Pieces	1000 & Up
KWN-3/32	Silver	3/32"	0-1/2"	\$2.59	\$2.48	\$2.29
KWN-1/8	Copper	1/8"	0-1/2"	\$2.59	\$2.48	\$2.29
KWN-5/32	Black	5/32"	0-1/2"	\$2.59	\$2.48	\$2.29
KWN-3/16	Brass	3/16"	0-1/2"	\$2.59	\$2.48	\$2.29
KWN-7/32	Silver	7/32"	0-1/2"	\$3.29	\$3.09	\$2.99
KWN-1/4	Copper	1/4"	0-1/2"	\$3.18	\$2.99	\$2.89
KWN-5/16	Black	5/16"	0-1/2"	\$3.59	\$3.39	\$3.23
KWNL-3/32	Silver	3/32"	0-1"	\$2.80	\$2.49	\$2.39
KWNL-1/8	Copper	1/8"	0-1"	\$2.80	\$2.49	\$2.39
KWNL-5/32	Black	5/32"	0-1"	\$2.80	\$2.49	\$2.39
KWNL-3/16	Brass	3/16"	0-1"	\$2.80	\$2.49	\$2.39
KWNL-7/32	Silver	7/32"	0-1"	\$3.79	\$3.59	\$3.49
KWNL-1/4	Copper	1/4"	0-1"	\$3.39	\$3.29	\$3.19
KWNL-5/16	Black	5/16"	0-1"	\$3.79	\$3.59	\$3.49



HEX NUT DRAW CLECOS

Exactly the same as our Wing Nut Clecos except these have a hex nut for use with Pneumatic Hex Nut Cleco installation tools. Made in the USA!

Part Number	Color	Size	Grip Range	1-99 Pieces	100-999 Pieces	1000 & Up
KHN-3/32	Silver	3/32"	0-1/2"	\$2.50	\$2.29	\$2.19
KHN-1/8	Copper	1/8"	0-1/2"	\$2.50	\$2.29	\$2.10
KHN-5/32	Black	5/32"	0-1/2"	\$2.50	\$2.29	\$2.10
KHN-3/16	Brass	3/16"	0-1/2"	\$2.50	\$2.29	\$2.10
KHN-7/32	Silver	7/32"	0-1/2"	\$3.24	\$3.09	\$2.99
KHN-1/4	Copper	1/4"	0-1/2"	\$3.18	\$2.99	\$2.89
KHN-5/16	Black	5/16"	0-1/2"	\$3.49	\$3.29	\$3.18
KHNL-3/32	Silver	3/32"	0-1"	\$2.78	\$2.49	\$2.41
KHNL-1/8	Copper	1/8"	0-1"	\$2.78	\$2.49	\$2.41
KHNL-5/32	Black	5/32"	0-1"	\$2.78	\$2.49	\$2.41
KHNL-3/16	Brass	3/16"	0-1"	\$2.78	\$2.49	\$2.41
KHNL-7/32	Silver	7/32"	0-1"	\$3.59	\$3.39	\$3.24
KHNL-1/4	Copper	1/4"	0-1"	\$3.39	\$3.19	\$2.99
KHNL-5/16	Black	5/16"	0-1"	\$3.75	\$3.59	\$3.49
KHNL-3/8	Black	3/8"	0-1"	\$6.20	\$5.65	\$5.60



"KSG" SERIES SIDE GRIP CLAMPS

Side Grip Clamps are designed to clamp at the edge of your work area and are ideal for holding all types of materials. Especially useful during bonding, gluing, and sealing operations. Plier operated with standard cleco pliers.

Part Number	Capacity	Body Depth	1-99 Pieces	100-999 Pieces	1000 & Up
KSG3/4X1/2	0-3/4"	1/2"	\$1.99	\$1.89	\$1.79
KSG3/4X1	0-3/4"	1"	\$1.99	\$1.89	\$1.79

SPRING TENSION CLAMPS -PLIER OPERATED

Easily use these Spring Tension Clamps with your cleco pliers. 7/16" thickness capacity with a 2" reach. Provides 70 lbs. of clamping pressure.

BAT-542 \$4.50





DRAW CLECO INSTALLATION & REMOVAL TOOL

Use with your drill motor or screw gun to easily install or remove draw clecos. Unique design works equally well with hex nut or wing nut styles. 3-3/4" overall length. Made in the USA! BAT-DCT-06 \$19.95



EXTRA LONG DRAW CLECOS

Use our extra-long draw clecos for thicker temporary clamping applications. Choose from Wing Nut or Hex Nut styles and choose from two different grip ranges which is the thickness capacity the cleco can clamp. Color coded for easy size recognition. Made in the USA.



EXTA-LONG WING NUT CLECOS 😅

Part Number	Color	Size	Grip Range	1-99 Pieces	100 & Up
KWNEL-3/32	Silver	3/32"	1/2" - 1-1/2"	\$3.49	\$3.19
KWNEL-1/8	Copper	1/8"	1/2" - 1-1/2"	\$3.49	\$3.19
KWNEL-5/32	Black	5/32"	1/2" - 1-1/2"	\$3.49	\$3.19
KWNEL-3/16	Brass	3/16"	1/2" - 1-1/2"	\$3.49	\$3.19
KWNEL-7/32	Silver	7/32"	1/2" - 1-1/2"	\$4.39	\$3.99
KWNEL-1/4	Copper	1/4"	1/2" - 1-1/2"	\$3.89	\$3.57
KWNEL-5/16	Black	5/16"	1/2" - 1-1/2"	\$4.19	\$3.84
KWNK-1/8	Copper	1/8"	1-1/2" - 2-1/2"	\$6.39	\$5.79
KWNK-5/32	Black	5/32"	1-1/2" - 2-1/2"	\$6.39	\$5.79
KWNK-3/16	Brass	3/16"	1-1/2" - 2-1/2"	\$6.39	\$5.79
KWNK-1/4	Copper	1/4"	1-1/2" - 2-1/2"	\$6.89	\$6.09
KWNK-5/16	Black	5/16"	1-1/2" - 2-1/2"	\$6.99	\$6.75



EXTA-LONG HEX NUT CLECOS 🚐

Part			Grip	1-99	100
Number	Color	Size	Range	Pieces	& Up
KHNEL-3/32	Silver	3/32"	1/2" - 1-1/2"	\$3.49	\$3.19
KHNEL-1/8	Copper	1/8"	1/2" - 1-1/2"	\$3.49	\$3.19
KHNEL-5/32	Black	5/32"	1/2" - 1-1/2"	\$3.49	\$3.19
KHNEL-3/16	Brass	3/16"	1/2" - 1-1/2"	\$3.49	\$3.19
KHNEL-7/32	Silver	7/32"	1/2" - 1-1/2"	\$4.39	\$3.99
KHNEL-1/4	Copper	1/4"	1/2" - 1-1/2"	\$3.89	\$3.57
KHNEL-5/16	Black	5/16"	1/2" - 1-1/2"	\$3.99	\$3.68
KHNK-1/8	Copper	1/8"	1-1/2" - 2-1/2"	\$6.19	\$5.79
KHNK-5/32	Black	5/32"	1-1/2" - 2-1/2"	\$6.19	\$5.79
KHNK-3/16	Brass	3/16"	1-1/2" - 2-1/2"	\$6.19	\$5.79
KHNK-1/4	Copper	1/4"	1-1/2" - 2-1/2"	\$6.69	\$5.99
KHNK-5/16	Black	5/16"	1-1/2" - 2-1/2"	\$6.69	\$6.49

Don't see what you need? We can supply hard-to-find clecos and tooling including Cylindrical Body Clecos, Metric Sizes, and non-standard sizes. Call us with any questions or special requests.



SIOUX™ HEX NUT CLECO RUNNER

Signature Series housing packs plenty of power with the latest in ergonomics for maximum operator comfort. Easily reversible to permit installation or removal of hex nut clecos. Free speed of 2500 rpm, 9.2" long, weighs 2.7 lbs. Made in the USA!

SSR6P-25 \$369.95



DRAW CLECO NO-MAR CAPS

Works on any of our Wing Nut or Hex Nut Clecos. Color coded for easy size recognition. Easily snaps into place on the end of the draw cleco to prevent marring and scratching of aircraft skin.

Part Number	Size	Color	Price
KDCAP-3/32	3/32"	Grey	\$.35
KDCAP-1/8	1/8"	Orange	\$.35
KDCAP-5/32	5/32"	Black	\$.35
KDCAP-3/16	3/16"	Blue	\$.35
KDCAP-1/4	1/4"	Yellow	\$.35

CYLINDRICAL BODY CLECOS

CYLINDRICAL BODY CLECOS

Widely used in most aircraft assembly factories, Cylindrical Body Clecos are easier to engage in removal or installation tooling due to their shape. Special hand or pneumatic tools are required to remove or install. These sizes are in stock, other sizes and grip lengths are available by special order. **Made**



Part No.	Color	Size	Grip Range	1-99 Pieces	100 & UP
CBX-3/32	Silver	3/32"	0-1/2"	\$3.39	\$3.24
CBX-1/8	Copper	1/8"	0-1/2"	\$3.39	\$3.24
CBX-5/32	Black	5/32"	0-1/2"	\$3.39	\$3.24
CBX-3/16	Brass	3/16"	0-1/2"	\$3.39	\$3.24
CBX-7/32	Silver	7/32"	0-1/2"	\$4.59	\$4.14
CBX-1/4	Copper	1/4"	0-1/2"	\$4.35	\$3.98
CBX-5/16	Black	5/16"	0-1/2"	\$4.59	\$4.14
CBX-3/8	Black	3/8"	0-1/2"	\$6.29	\$5.98
CBXL-3/32	Silver	3/32"	0-1"	\$3.69	\$3.39
CBXL-1/8	Copper	1/8"	0-1"	\$3.69	\$3.39
CBXL-5/32	Black	5/32"	0-1"	\$3.69	\$3.39
CBXL-3/16	Brass	3/16"	0-1"	\$3.69	\$3.39
CBXL-7/32	Silver	7/32"	0-1"	\$4.89	\$4.38
CBXL-1/4	Copper	1/4"	0-1"	\$4.45	\$4.19
CBXL-5/16	Black	5/16"	0-1"	\$4.55	\$4.25
CBXL-3/8	Black	3/8"	0-1"	\$6.89	\$6.35
CBXEL-1/8	Copper	1/8"	1/2" - 1-1/2"	\$4.55	\$4.25
CBXEL-5/32	Black	5/32"	1/2" - 1-1/2"	\$4.55	\$4.25
CBXEL-3/16	Brass	3/16"	1/2" - 1-1/2"	\$4.55	\$4.25
CBXEL-7/32	Silver	7/32"	1/2" - 1-1/2"	\$5.39	\$4.98
CBXEL-1/4	Copper	1/4"	1/2" - 1-1/2"	\$4.89	\$4.59
CBXEL-5/16	Black	5/16"	1/2" - 1-1/2"	\$4.99	\$4.69
CBXK-1/8	Copper	1/8"	1-1/2" - 2-1/2"	\$5.65	\$5.19
CBXK-5/32	Black	5/32"	1-1/2" - 2-1/2"	\$5.65	\$5.19
CBXK-3/16	Brass	3/16"	1-1/2" - 2-1/2"	\$5.65	\$5.19
CBXK-7/32	Silver	7/32"	1-1/2" - 2-1/2"	\$7.29	\$6.49
CBXK-1/4	Copper	1/4"	1-1/2" - 2-1/2"	\$6.34	\$5.89
CBXK-5/16	Black	5/16"	1-1/2" - 2-1/2"	\$7.49	\$6.54



CYLINDRICAL CLECO HAND TOOL - "DONUT TOOL"

Use to easily install or remove all sizes and grip lengths of cylindrical body clecos (CBX, CBXL, CBXEL, & CBXK series). Knurled aluminum cylinder houses a directional roller bearing in the center for smooth and efficient operation. 1-1/8" diameter x 1/2" thick. Made in the USA!

BAT-CBHT-01 \$23.95





STEP DRILLS / ROTACUT™ HOLE SAWS

ROTACUT™ HOLE CUTTING KITS - THE ORIGINAL!

ROTACUT™ tools are completely made in the USA and enable you to produce clean, burr free, round holes without deforming the surrounding material. Choose from three different kits based on the hole sizes you need to drill. Each kit includes a center punch, pilots, and arbors - everything you need to produce high quality holes. Made in the USA!



STANDARD ROTACUT™ KIT

Includes 7 cutters: 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", & 3/4"

11075 \$83.95



Includes 16 cutters: 1/4", 9/32", 5/16", 11/32", 3/8", 13/32", 7/16", 29/64", 15/32", 1/2", 17/32", 9/16", 5/8", 11/16", 23/32", & 3/4"

11085 \$199.95



LARGE HOLE ROTACUT™ KIT

Includes 6 cutters: 7/8", 1", 1-1/8", 1-1/4", 1-3/8", & 1-1/2"

11078 \$189.95



REPLACEMENT CUTTERS FOR ROTACUT™ KITS

Part Number	Cutter Diameter	Price
RB11100	1/4"	\$9.95
RB11102	9/32"	\$9.95
RB11104	5/16"	\$9.95
RB11106	11/32"	\$10.95
RB11108	3/8"	\$10.95
RB11110	13/32"	\$11.95
RB11111	27/64"	\$12.95
RB11112	7/16"	\$12.95
RB11113	29/64"	\$13.95
RB11114	15/32"	\$13.95
RB11116	1/2"	\$13.95
RB11118	17/32"	\$14.95
RB11120	9/16"	\$14.95
RB11124	5/8"	\$14.95
RB11128	11/16"	\$15.95
RB11130	23/32"	\$17.95
RB11132	3/4"	\$17.95
RB11136	13/16"	\$34.95
RB11140	7/8"	\$34.95
RB11144	15/16"	\$37.95
RB11148	1"	\$37.95
RB11152	1-1/16"	\$43.95
RB11156	1-1/8"	\$44.95
RB11160	1-3/16"	\$45.95
RB11164	1-1/4"	\$49.95
RB11165	1-5/16"	\$53.95
RB11166	1-3/8"	\$54.95
RB11167	1-7/16"	\$56.95
RB11168	1-1/2"	\$56.95

MULTI STEP DRILLS - MADE IN THE USA!

Unique graduated step design produces clean, accurate, burr free holes. Self starting tip eliminates the need for pilot hole drilling. Sizes are laser engraved on each "step" for easy reference.

Part No.	No. of Steps	Size Range	Price
STDR-1	13	1/8"-1/2" x 32nds	\$18.95
STDR-2	6	3/16"-1/2" x 16ths	\$18.95
STDR-3	9	1/4"-3/4" x 16ths	\$34.95

3 PIECE MULTI STEP DRILL KIT

With this comprehensive kit, you can easily drill holes from 1/8" thru 3/4" in diameter. Contains one each of all three of our Step Drills. Complete with a custom fitted case for easy storage when not in use.

BAT-SDK3 \$64.95



MISCELLANEOUS CUTTING TOOLS

MULTI-FLUTE CARBIDE RIVET SHAVER BIT

Our 14 Flute design self centers and reduces chattering. Solid carbide construction. 3/8" Diameter. Made in the USA!

BAT-RSMF38 \$39.95



6 FLUTE 100° CHATTERLESS COUNTERSINK

Unique 6 flute design provides you with a chatterless burr-free countersink. 3/8" overall diameter, 1-3/4" long. Made of high

speed steel with a 1/4" chucking shank in the USA!



Part Number	1-11 Pieces	12 & Up
SEV-10	\$12.95	\$9.75

100° COUNTERSINK CUTTER

"Suicide" type countersink cutter features a 1/4" chucking shank, made of high speed steel.

Choose from 5/16" or 1/2" diameter.



Part Number	Diameter	1-11 Pieces	12 & Up
SCC-100-5/16	5/16"	\$8.95	\$7.65
SCC-100-1/2	1/2"	\$9.95	\$8.98

SINGLE CUTTING EDGE COUNTERSINKS - 100°

Manufactured of high speed steel. These countersinks / deburring cutters feature a "hole-thru" flute for quick cutting

and chip ejection. 1/4" chucking shank.

Choose from two different sizes.



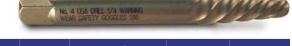
Part Number	Diameter	1-11 Pieces	12 & Up
67028	1/4"	\$8.75	\$7.85
67058	9/16"	\$10.75	\$9.65

SCREW EXTRACTORS (EZ OUTS)

Left hand spiral flute extractors are perfect for removing broken bolts and screws without damaging hole threads. Made in

the USA!





Part Number	Size	Use for Screw Sizes	1-24 Pieces	25 & Up
BAT-EZ-1	#1	3/32" to 5/32"	\$1.69	\$1.29
BAT-EZ-2	#2	5/32" to 7/32"	\$1.74	\$1.33
BAT-EZ-3	#3	7/32" to 9/32"	\$1.89	\$1.48
BAT-EZ-4	#4	9/32" to 3/8"	\$2.09	\$1.69
BAT-EZ-5	#5	3/8" to 1/2"	\$2.88	\$1.99

AIRCRAFT TAPER ROUTER

Pin routers are used for cutting, trimming, and routing as they are "side cutting". Perfect for cutting aluminum, plexiglass, and many other materials. Made in the USA!



Part Number	Size	1-11 Pieces	12-35 Pieces	36 & Up
TAPR-1	3/32"	\$3.79	\$3.39	\$3.10
TAPR-2	1/8"	\$3.79	\$3.39	\$3.10
TAPR-3	3/16"	\$4.98	\$4.49	\$4.28
TAPR-4	1/4"	\$5.95	\$5.40	\$4.98

CARBIDE TIPPED RIVET SHAVER BITS

Use to "shave" high rivets to complete flushness. 1/4-28 Threads.

Made in the USA!



Part Number	Diameter	1-9 Pieces	10 & Up
BAT-RS516	5/16"	\$22.95	\$19.95
BAT-RS38	3/8"	\$22.95	\$19.95
BAT-RS716	7/16"	\$22.95	\$19.95
BAT-RS12	1/2"	\$23.95	\$20.95
BAT-RS916	9/16"	\$25.95	\$23.95
BAT-RS58	5/8"	\$27.95	\$25.95

AIRCRAFT COUNTERBORES / AIRCRAFT PILOTS

COUNTERBORE PILOTS



Part Number	Pilot Diameter	Shank Size	Price Each
BAT4016-1	#40	3/32"	\$5.25
BAT4016-2	1/8"	3/32"	\$5.25
BAT4016-3	#30	3/32"	\$5.25
BAT4016-4	#21	3/32"	\$5.25
BAT4016-5	3/16"	3/32"	\$5.25
BAT4016-6	#10	3/32"	\$5.95
BAT4016-7	1/4"	3/32"	\$5.95
BAT4016-8	#30	1/8"	\$5.25
BAT4016-9	#21	1/8"	\$5.25
BAT4016-10	3/16"	1/8"	\$5.25
BAT4016-11	#10	1/8"	\$5.95
BAT4016-12	1/4"	1/8"	\$5.95
BAT4016-13	5/16"	1/8"	\$5.95
BAT4016-14	3/16"	3/16"	\$5.25
BAT4016-15	#10	3/16"	\$5.95
BAT4016-16	1/4"	3/16"	\$5.95
BAT4016-17	5/16"	3/16"	\$6.45
BAT4016-18	3/8"	3/16"	\$6.45



28 PIECE MASTER COUNTERBORE & PILOT KIT

This comprehensive kit ensures that you will always have the Counterbore and Pilot you need in your tool box ready to go. Contains 10 different BAT4015 series Counterbores (dash numbers -1,-2,-3,-4,-5,-6,-7,-8,-9 & -10) and all 18 of the BAT4016 series Counterbore Pilots - 28 pieces in all. Packaged in a custom designed heavy duty plastic case with precision cut tool control foam for easy storage and identification.

BAT-4015-KIT \$349.95

High-speed steel counterbores come with 1/4" shank and can be used in drill presses or hand drill motors. Special four-flute design permits quick cutting. Pilots are interchangeable.





Part Number	Diameter	Pilot Hole Size	Price Each
BAT4015-1	1/4"	3/32"	\$19.95
BAT4015-2	5/16"	3/32"	\$19.95
BAT4015-3	3/8"	3/32"	\$19.95
BAT4015-4	7/16"	1/8"	\$22.95
BAT4015-4B	29/64"	1/8"	\$25.95
BAT4015-4C	15/32"	1/8"	\$25.95
BAT4015-5	1/2"	1/8"	\$23.95
BAT4015-5B	17/32"	1/8"	\$26.95
BAT4015-6	9/16"	1/8"	\$23.95
BAT4015-7	5/8"	1/8"	\$26.95
BAT4015-7B	11/16"	3/16"	\$27.95
BAT4015-8	3/4"	3/16"	\$28.95
BAT4015-9	7/8"	3/16"	\$32.95
BAT4015-9B	13/16"	3/16"	\$35.95
BAT4015-9C	29/32"	3/16"	\$35.95
BAT4015-9D	15/16"	3/16"	\$35.95
BAT4015-10	1"	3/16"	\$35.95

REVERSE COUNTERBORES / REVERSE PILOTS





Part Number	Diameter	Pilot Size	Price Each
BAT4005-1	1/4"	3/32"	\$18.95
BAT4005-2	1/4"	1/8"	\$18.95
BAT4005-3	5/16"	1/8"	\$18.95
BAT4005-4	5/16"	5/32"	\$18.95
BAT4005-5	3/8"	5/32"	\$19.95
BAT4005-6	3/8"	3/16"	\$19.95
BAT4005-7	7/16"	5/32"	\$20.95
BAT4005-8	7/16"	3/16"	\$20.95
BAT4005-9	1/2"	3/16"	\$21.95
BAT4005-10	1/2"	1/4"	\$21.95
BAT4005-11	9/16"	3/16"	\$21.95
BAT4005-12	9/16"	1/4"	\$21.95
BAT4005-13	5/8"	1/4"	\$24.75
BAT4005-14	5/8"	5/16"	\$24.75
BAT4005-15	3/4"	5/16"	\$25.45



100 DEGREE REVERSE COUNTERSINKS

Part Number	Diameter	Pilot Size	Price Each
BAT4004-1	1/4"	3/32"	\$19.95
BAT4004-2	1/4"	1/8"	\$19.95
BAT4004-3	5/16"	1/8"	\$19.95
BAT4004-4	5/16"	5/32"	\$19.95
BAT4004-5	3/8"	5/32"	\$20.95
BAT4004-6	3/8"	3/16"	\$20.95
BAT4004-7	7/16"	5/32"	\$20.95
BAT4004-8	7/16"	3/16"	\$20.95
BAT4004-9	1/2"	3/16"	\$21.95
BAT4004-10	1/2"	1/4"	\$21.95

REVERSE PILOTS

6" overall length, for use with Reverse Countersinks or Reverse Counterbores.

Part Number	Size	Price Each
BAT4006-1	3/32"	\$7.95
BAT4006-2	1/8"	\$7.95
BAT4006-3	5/32"	\$7.95
BAT4006-4	3/16"	\$8.45
BAT4006-5	1/4"	\$9.45
BAT4006-6	5/16"	\$9.95
BAT4006-7	3/8"	\$11.95
BAT4006-8	1/2"	\$12.95



REVERSE COUNTERBORE / REVERSE COUNTERSINK KITS



14 PIECE REVERSE COUNTERBORE KIT

Save over \$40 by purchasing this handy kit. Stored in a custom fitted storage box with CNC precision cut foam inserts.

BAT-RCB-14 \$189.95

Kit Contains:

Part Number	List Description	Price
BAT4005-1	1/4" Diameter Cutter - 3/32" Pilot Hole	\$18.95
BAT4005-2	1/4" Diameter Cutter - 1/8" Pilot Hole	\$18.95
BAT4005-3	5/16" Diameter Cutter - 1/8" Pilot Hole	\$18.95
BAT4005-5	3/8" Diameter Cutter - 5/32" Pilot Hole	\$19.95
BAT4005-7	7/16" Diameter Cutter - 5/32" Pilot Hole	\$20.95
BAT4005-9	1/2" Diameter Cutter - 3/16" Pilot Hole	\$21.95
BAT4005-10	1/2" Diameter Cutter - 1/4" Pilot Hole	\$21.95
BAT4005-11	9/16" Diameter Cutter - 3/16" Pilot Hole	\$21.95
BAT4005-13	5/8" Diameter Cutter - 1/4" Pilot Hole	\$24.75
BAT4006-1	3/32" Reverse Pilot	\$7.95
BAT4006-2	1/8" Reverse Pilot	\$7.95
BAT4006-3	5/32" Reverse Pilot	\$7.95
BAT4006-4	3/16" Reverse Pilot	\$8.45
BAT4006-5	1/4" Reverse Pilot	\$9.45



10 PIECE 100 DEGREE REVERSE COUNTERSINK KIT

Buying this kit will save you over \$20! Includes everything you need to easily "reverse countersink" holes thru 1/4" in diameter. Stored in a custom fitted storage box with precision cut foam inserts.

BAT-RCS-10 \$124.95

Kit Contains:

Part Number	List Description	Price
BAT4004-1	3/32" Reverse C-sink - 1/4" Diameter	\$19.95
BAT4004-3	1/8" Reverse C-sink - 5/16" Diameter	\$19.95
BAT4004-5	5/32" Reverse C-sink - 3/8" Diameter	\$20.95
BAT4004-8	3/16" Reverse C-sink - 7/16" Diameter	\$20.95
BAT4004-10	1/4" Reverse C-sink - 1/2" Diameter	\$21.95
BAT4006-1	3/32" Reverse Pilot	\$7.95
BAT4006-2	1/8" Reverse Pilot	\$7.95
BAT4006-3	5/32" Reverse Pilot	\$7.95
BAT4006-4	3/16" Reverse Pllot	\$8.45
BAT4006-5	1/4" Reverse Pilot	\$9.45

1/4" SHANK CARBIDE BURRS - DOUBLE CUT

NEW LOWER PRICING! Our buying power means lower pricing for you. Compare the prices of our **AMERICAN MADE** Burrs to the "low price" Chinese imports sold by other aircraft tool companies.



Our carbide burrs are **made in the USA** and are the absolute highest quality! All feature a 1/4" diameter chucking shank and all are "Double-Cut" for quicker cutting and less chip build-up.

	Part Number	Style	Diameter of Cut	Length of Cut	1-4 Pieces	5-9 Pieces	10-24 Pieces	25 & Up
	SA-1	Cylindrical	1/4"	5/8"	\$10.95	\$8.75	\$8.20	\$7.10
0,000	SA-3	Cylindrical	3/8"	3/4"	\$12.95	\$10.35	\$9.70	\$8.40
Participation of the Participa	SA-5	Cylindrical	1/2"	1"	\$14.95	\$11.95	\$11.20	\$9.70
	SA-7	Cylindrical	3/4"	1"	\$28.95	\$23.15	\$21.70	\$18.80
	SA-9	Cylindrical	1"	1"	\$49.95	\$39.95	\$8.20 \$9.70 \$11.20	\$34.95
	SB-1	Cylindrical-End Cut	1/4"	5/8"	\$10.95	\$8.75	\$8.20	\$7.10
MICHIGANIZATION .	SB-3	Cylindrical-End Cut	3/8"	3/4"	\$12.95	\$10.35	\$9.70	\$8.40
	SB-5	Cylindrical-End Cut	1/2"	1"	\$14.95	\$11.95	\$11.20	\$9.70
	SB-7	Cylindrical-End Cut	3/4"	1"	\$28.95	\$23.15	\$21.70	\$18.80
	SC-1	Cylindrical-Radius End	1/4"	5/8"	\$10.95	\$8.75	\$8.20	\$7.10
Samo.	SC-3	Cylindrical - Radius End	3/8"	3/4"	\$12.95	\$10.35	\$9.70	\$8.40
	SC-5	Cylindrical-Radius End	1/2"	1"	\$14.95	\$11.95	\$11.20	\$9.70
	SC-7	Cylindrical-Radius End	3/4"	1"	\$28.95	\$23.15	\$21.70	\$18.80
	SF-1	Rounded Tree	1/4"	5/8"	\$12.95	\$10.35	\$9.70	\$8.40
146600	SA-7 Cylindrical 3/4" 1" \$28.95 \$23.15 \$21.70 SA-9 Cylindrical 1" 1" \$49.95 \$39.95 \$37.45 SB-1 Cylindrical—End Cut 1/4" 5/8" \$10.95 \$8.75 \$8.20 SB-3 Cylindrical—End Cut 1/2" 1" \$14.95 \$11.95 \$11.20 SB-5 Cylindrical—End Cut 3/8" 3/4" 1" \$28.95 \$23.15 \$21.70 SB-7 Cylindrical—End Cut 3/4" 1" \$28.95 \$23.15 \$21.70 SC-1 Cylindrical—Radius End 1/4" 5/8" \$10.95 \$8.75 \$8.20 SC-3 Cylindrical—Radius End 3/8" 3/4" \$12.95 \$10.35 \$9.70 SC-5 Cylindrical—Radius End 1/2" 1" \$14.95 \$11.95 \$11.20 SC-7 Cylindrical—Radius End 1/2" 1" \$14.95 \$11.95 \$11.20 SC-7 Cylindrical—Radius End 3/8" 3/4" \$12.95 \$10.35 \$9.70 SC-1 Rounded Tree 1/4" 5/8" \$12.95 \$10.35 \$9.70 SF-1 Rounded Tree 1/4" 5/8" \$12.95 \$10.35 \$9.70 SF-3 Rounded Tree 1/4" 5/8" \$12.95 \$10.35 \$9.70 SF-5 Rounded Tree 1/2" 1" \$17.95 \$14.35 \$13.45 SG-1 Pointed Tree 1/4" 5/8" \$10.95 \$8.75 \$8.20 SG-3 Pointed Tree 1/4" 5/8" \$10.95 \$8.75 \$8.20 SG-5 Pointed Tree 1/2" 1" \$16.95 \$13.55 \$12.70 SE-3 Oval 3/8" 3/4" \$13.95 \$11.15 \$10.45 SG-5 Pointed Tree 1/2" 1" \$16.95 \$13.55 \$12.70 SE-6 Oval 1/2" 7/8" \$16.95 \$13.55 \$12.70 SE-6 Oval 5/8" 1" \$19.95 \$15.95 \$14.95 SD-12 Ball 1/8" \$10.95 \$8.75 \$8.20 SD-12 Ball 1/8" \$10.95 \$8.75 \$8.20 SD-12 Ball 1/2" \$14.95 \$11.95 \$15.95 \$14.95 SD-12 Ball 1/2" \$14.95 \$11.95 \$9.55 \$8.95 SD-5 Ball 1/2" \$14.95 \$11.95 \$11.20 SH-1 Flame Shape 1/4" 1/2" \$11.95 \$9.55 \$8.95 SD-5 Flame Shape 1/2" 1-1/4" \$18.95 \$15.15 \$14.20 SH-7 Flame Shape 3/4" 1-5/8" \$39.95 \$31.95 \$29.95	\$10.35						
	SF-5	Rounded Tree	1/2"	1"	\$17.95	\$8.75 \$8.20 \$7.10 \$10.35 \$9.70 \$8.40 \$11.95 \$11.20 \$9.70 \$23.15 \$21.70 \$18.80 \$39.95 \$37.45 \$34.95 \$8.75 \$8.20 \$7.10 \$10.35 \$9.70 \$8.40 \$11.95 \$11.20 \$9.70 \$23.15 \$21.70 \$18.80 \$8.75 \$8.20 \$7.10 \$10.35 \$9.70 \$8.40 \$11.95 \$11.20 \$9.70 \$23.15 \$21.70 \$18.80 \$10.35 \$9.70 \$8.40 \$11.95 \$11.20 \$9.70 \$23.15 \$21.70 \$18.80 \$10.35 \$9.70 \$8.40 \$11.95 \$11.20 \$9.70 \$23.15 \$21.70 \$18.80 \$10.35 \$9.70 \$8.40 \$12.75 \$11.95 \$10.35 \$14.35 \$13.45 \$11.65 \$8.75 \$8.20 \$7.10 \$11.15 \$10.45 \$9.05 \$13.55 \$12.70 \$11.00 \$11.15 \$10.45 \$9.05 \$13.55 \$12.70 \$11.00 \$15.95 \$14.95 \$12.95 \$8.75 \$8.20 \$7.10 \$15.95 \$14.95 \$12.95 \$8.75 \$8.20 \$7.10 \$15.95 \$14.95 \$12.95 \$8.75 \$8.20 \$7.10 \$9.55 \$8.95 \$7.75 \$15.15 \$14.20 \$9.70 \$9.55 \$8.95 \$7.75 \$15.15 \$14.20 \$12.30 \$31.95 \$29.95 \$26.00 \$10.35 \$9.70 \$8.40 \$11.95 \$11.20 \$9.70	\$11.65	
	SG-1	Pointed Tree	1/4"	5/8"	\$10.95	\$8.75	\$8.20	\$7.10
Alliko .	SG-3	Pointed Tree	3/8"	3/4"	\$13.95	\$11.15	\$10.45	\$9.05
	SG-5	Pointed Tree	1/2"	1"	\$16.95	\$13.55	\$12.70	\$11.00
	SE-3	Oval	3/8"	5/8"	\$13.95	\$11.15	\$10.45	\$9.05
11112 	SE-5	Oval	1/2"	7/8"	\$16.95	\$13.55	\$12.70	\$11.00
	SE-6	Oval	5/8"	1"	\$19.95	\$15.95	\$14.95	\$12.95
	SD-12	Ball	1/8"		\$10.95	\$8.75	\$8.20	\$7.10
	SD-2	Ball	5/16"	_	\$11.95	\$9.55	\$8.95	\$7.75
	SD-5	Ball	1/2"		\$14.95	\$11.95	\$11.20	\$9.70
	SH-1	Flame Shape	1/4"	1/2"	\$11.95	\$9.55	\$8.95	\$7.75
THE WAY	SH-5	Flame Shape	1/2"	1-1/4"	\$18.95	\$15.15	\$14.20	\$12.30
	SH-7	Flame Shape	3/4"	1-5/8"	\$39.95	\$31.95	\$29.95	\$26.00
-	SN-1	Inverted Cone	1/4"	5/16"	\$12.95	\$10.35	\$9.70	\$8.40
0505	SN-2	Inverted Cone	3/8"	3/8"	\$14.95	\$11.95	\$11.20	\$9.70
	SN-3	Inverted Cone	1/2"	1/2"	\$18.95	\$15.15	\$8.20 \$9.70 \$11.20 \$21.70 \$37.45 \$8.20 \$9.70 \$11.20 \$21.70 \$8.20 \$9.70 \$11.20 \$21.70 \$11.95 \$13.45 \$8.20 \$10.45 \$12.70 \$14.95 \$8.20 \$10.45 \$12.70 \$14.95 \$8.20 \$11.20 \$11.20 \$11.20	\$12.30

1/8" CARBIDE BURRS / BURR SETS







MINIATURE 1/8" SHANK CARBIDE BURRS

These smaller 1/8" shank Carbide Burrs are intended for use with pencil grinders and smaller die grinders. Double Cut design.

Made in the USA!

Style	Part Number	1-4 Pieces	5-24 Pieces	25 & Up
Cylindrical	SA-43	\$7.95	\$6.90	\$5.85
Round Ball	SD-42	\$7.95	\$6.90	\$5.85
Pointed Tree	SL-42	\$7.95	\$6.90	\$5.85
Sharp Tree	SM-43	\$7.95	\$6.90	\$5.85
Cylindrical Radius End	SC-42	\$7.95	\$6.90	\$5.85
Oval	SE-41	\$7.95	\$6.90	\$5.85
Inverted Cone	SN-41	\$7.95	\$6.90	\$5.85
Cylindrical End Cut	SB-42	\$7.95	\$6.90	\$5.85



12 PIECE MINIATURE CARBIDE BURR SET - 1/8" SHANK

Contains 12 assorted styles of the most popular 1/8" shank carbide burrs – all stored in a custom fitted case.

Made in the USA! 💓

M100 \$98.95



COMPOSITE CUTTING TOOLS

SOLID CARBIDE DAGGER DRILL - FOR COMPOSITES

Used to produce delamination free holes in graphite materials and/or graphite-aluminum in thicknesses of 1/4" or less. 6" overall length. These sizes are in stock for immediate shipment. Other sizes available by special order. **Made in the USA!**

Part Number	Size	Decimal Equivalent	Price Each
BAT-DAG098	#40	.098	\$29.95
BAT-DAG128	#30	.1285	\$29.95
BAT-DAG159	#21	.1590	\$32.95
BAT-DAG187	3/16"	.1875	\$37.95
BAT-DAG193	#10	.1935	\$37.95
BAT-DAG250	1/4"	.2500	\$48.95

SEE OUR CARBIDE COUNTERSINKS ON PAGE 41. SEE MORE CARBIDE DRILLS ON PAGE 74.

SOLID CARBIDE TAPERED DRILL-REAMER

Commonly known as a "one-shot" drill, this is the perfect drill for drilling carbon graphite or fiberglass materials. We recommend using with drill bushings for perfect results. 6" overall length. Four Flute design tapered to a point. These sizes in stock; other sizes available by special order. **Made in the USA!**

Part Number	Size	Decimal Equivalent	Price Each
BAT-DRM40	#40	.0980	\$44.95
BAT-DRM18	1/8"	.1250	\$44.95
BAT-DRM30	#30	.1285	\$45.95
BAT-DRM532	5/32"	.1562	\$47.95
BAT-DRM21	#21	.1590	\$48.95
BAT-DRM20	#20	.1610	\$48.95
BAT-DRM316	3/16"	.1875	\$52.95
BAT-DRM10	#10	.1935	\$53.95
BAT-DRM8	#8	.1990	\$55.95
BAT-DRM14	1/4"	.2500	\$64.95
BAT-DRM516	5/16"	.3125	\$79.95



TOOLS FOR KEVLAR® / COMPOSITES

With more and more composite materials, including KEVLAR®, showing up in aircraft structures, it is imperative that you use tools specifically designed to work with these composite materials. The proper tool will make your job much easier and result in quality work that you can be proud of.

TIPS FOR WORKING WITH KEVLAR® COMPOSITE MATERIALS:

- When drilling or cutting, clamp and stabilize your work if possible. The less vibration when cutting the better.
- When drilling, use drill bushings when possible in order to keep your drill bit as "square" as possible.
- Always use a firm steady feed / pressure.
- DuPont™ (the manufacturer of KEVLAR®) recommends a drill speed of 6,000 rpm or more for most applications. (Consult you SRM or maintenance manual for specific recommendations for your particular job).

MODIFIED SOLID CARBIDE BRAD POINT DRILL

Specifically designed for drilling graphite and aramid fiber (KEVLAR®) reinforced composite materials. The specially modified tip of this drill bit keeps the composite fibers in tension while cutting them in shear which results in no delamination and eliminates "fuzz" or "fray" when the drill bit exits the material. Solid carbide

construction. Choose from these stock sizes, other sizes available



by special order. Made in the USA!

Part Number	Size	Decimal Equivalent	Overall Length	Flute Length	Price Each
BAT-207-3/32	3/32"	.0938	1-3/4"	1/2"	\$20.95
BAT-207-#40	#40	.0980	1-13/16"	1/2"	\$20.95
BAT-207-1/8	1/8"	.1250	1-7/8"	5/8"	\$21.95
BAT-207-5/32	5/32"	.1562	2-1/16"	3/4"	\$24.95
BAT-207-#21	#21	.1590	2-1/8"	7/8"	\$24.95
BAT-207-3/16	3/16"	.1875	2-3/16"	15/16"	\$29.95
BAT-207-#10	#10	.1935	2-1/4"	1"	\$29.95
BAT-207-7/32	7/32"	.2188	2-3/8"	1-1/16"	\$38.95
BAT-207-1/4	1/4"	.2500	2-1/2"	1-1/4"	\$41.95
BAT-207-5/16	5/16"	.3125	2-13/16"	1-1/2"	\$58.95
BAT-207-3/8	3/8"	.3750	3-1/8"	1-5/8"	\$89.95

ISA HERTAGE 8HTC-5 THREAD CLIPPER FOR **KEVLAR® AND COMPOSITE FIBERS**

Specifically manufactured and engineered to cut stray KEVLAR® threads. 4" overall length with 1-1/4" blade length. Spring loaded return. MADE IN THE USA by Klein Cutlery.

BAT-8HTC-5 \$24.95



Specifically engineered,

manufactured, and heat-

treated to cut KEVLAR® fibers. Blades are configured and precision ground to specifically cut

KEVLAR® and are hard chrome coated to achieve an incredible surface hardness of Rockwell 72C! Choose Blunt Nose Blades or Standard Pointed Nose Blades. Large handle rings provide a natural and comfortable grip for just about any size hand. High quality -

MADE IN THE USA by Klein Cutlery (a division of Klein Tools).

Part Number	Style	Overall Length	Blade Length	Price Each
BAT-8210LR	Pointed Nose	11"	4-3/4"	\$54.95
BAT-8210LRXB	Blunt Nose	10"	3-3/4"	\$56.95



LEATHER HOLSTER FOR KEVLAR® CUTTERS

Protect your scissors when not being used. All leather construction - sewn and riveted to stand up to heavy use. Will accommodate any brand of scissors/shears from 10" to 12" in length. Two slotted belt cutouts enable you to mount the holster to your belt. 11-3/4" long x 4-1/8" wide. MADE IN THE USA!

BAT-H-13 \$14.95

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#1-#30 COBALT JOBBER LENGTH DRILL BITS



135 Degree Split Point 12 Pieces Per Envelope

Made in the USA!
Manufactured to NAS Standard 907



Part Number	Description	Decimal Equivalent	1-11 Pieces	12-59 Pieces	60-119 Pieces	120-239 Pieces	240 & Up
705C-#1	#1 Cobalt Jobber Bit	.2280	\$2.47	\$2.22	\$2.10	\$1.98	\$1.85
705C-#2	#2 Cobalt Jobber Bit	.2210	\$2.47	\$2.22	\$2.10	\$1.98	\$1.85
705C-#3	#3 Cobalt Jobber Bit	.2130	\$2.38	\$2.14	\$2.02	\$1.90	\$1.79
705C-#4	#4 Cobalt Jobber Bit	.2090	\$2.32	\$2.09	\$1.97	\$1.86	\$1.74
705C-#5	#5 Cobalt Jobber Bit	.2055	\$2.32	\$2.09	\$1.97	\$1.86	\$1.74
705C-#6	#6 Cobalt Jobber Bit	.2040	\$2.32	\$2.09	\$1.97	\$1.86	\$1.74
705C-#7	#7 Cobalt Jobber Bit	.2010	\$2.15	\$1.94	\$1.83	\$1.72	\$1.61
705C-#8	#8 Cobalt Jobber Bit	.1990	\$2.15	\$1.94	\$1.83	\$1.72	\$1.61
705C-#9	#9 Cobalt Jobber Bit	.1960	\$2.15	\$1.94	\$1.83	\$1.72	\$1.61
705C-#10	#10 Cobalt Jobber Bit	.1935	\$1.99	\$1.79	\$1.69	\$1.59	\$1.49
705C-#11	#11 Cobalt Jobber Bit	.1910	\$2.19	\$1.97	\$1.86	\$1.75	\$1.64
705C-#12	#12 Cobalt Jobber Bit	.1890	\$2.19	\$1.97	\$1.86	\$1.75	\$1.64
705C-#13	#13 Cobalt Jobber Bit	.1850	\$2.09	\$1.88	\$1.78	\$1.67	\$1.57
705C-#14	#14 Cobalt Jobber Bit	.1820	\$2.09	\$1.88	\$1.78	\$1.67	\$1.57
705C-#15	#15 Cobalt Jobber Bit	.1800	\$2.09	\$1.88	\$1.78	\$1.67	\$1.57
705C-#16	#16 Cobalt Jobber Bit	.1770	\$2.09	\$1.88	\$1.78	\$1.67	\$1.57
705C-#17	#17 Cobalt Jobber Bit	.1730	\$1.98	\$1.78	\$1.68	\$1.58	\$1.49
705C-#18	#18 Cobalt Jobber Bit	.1695	\$1.88	\$1.69	\$1.60	\$1.50	\$1.41
705C-#19	#19 Cobalt Jobber Bit	.1660	\$1.88	\$1.69	\$1.60	\$1.50	\$1.41
705C-#20	#20 Cobalt Jobber Bit	.1610	\$1.69	\$1.52	\$1.44	\$1.35	\$1.27
705C-#21	#21 Cobalt Jobber Bit	.1590	\$1.69	\$1.52	\$1.44	\$1.35	\$1.27
705C-#22	#22 Cobalt Jobber Bit	.1570	\$1.77	\$1.59	\$1.50	\$1.42	\$1.33
705C-#23	#23 Cobalt Jobber Bit	.1540	\$1.77	\$1.59	\$1.50	\$1.42	\$1.33
705C-#24	#24 Cobalt Jobber Bit	.1520	\$1.77	\$1.59	\$1.50	\$1.42	\$1.33
705C-#25	#25 Cobalt Jobber Bit	.1495	\$1.77	\$1.59	\$1.50	\$1.42	\$1.33
705C-#26	#26 Cobalt Jobber Bit	.1470	\$1.71	\$1.54	\$1.45	\$1.37	\$1.28
705C-#27	#27 Cobalt Jobber Bit	.1440	\$1.71	\$1.54	\$1.45	\$1.37	\$1.28
705C-#28	#28 Cobalt Jobber Bit	.1405	\$1.65	\$1.49	\$1.40	\$1.32	\$1.24
705C-#29	#29 Cobalt Jobber Bit	.1360	\$1.65	\$1.49	\$1.40	\$1.32	\$1.24
705C-#30	#30 Cobalt Jobber Bit	.1285	\$1.29	\$1.16	\$1.10	\$1.03	\$.97

NOTE: All of our Jobber Drill Bits are packaged in envelopes of 12 pieces, if ordering a quantity of 12 or more, please order in multiples of 12 pieces so that we can ship you complete and unopened packages.



All of our Cobalt Jobber Drills are Made in the USA - there is a difference!

#31-#60 COBALT JOBBER LENGTH DRILL BITS

135 Degree Split Point 12 Pieces Per Envelope



Made in the USA!
Manufactured to NAS Standard 907



Part Number	Description	Decimal Equivalent	1-11 Pieces	12-59 Pieces	60-119 Pieces	120-239 Pieces	240 & Up
705C-#31	#31 Cobalt Jobber Bit	.1200	\$1.29	\$1.16	\$1.10	\$1.03	\$.97
705C-#32	#32 Cobalt Jobber Bit	.1160	\$1.29	\$1.16	\$1.10	\$1.03	\$.97
705C-#33	#33 Cobalt Jobber Bit	.1130	\$1.29	\$1.16	\$1.10	\$1.03	\$.97
705C-#34	#34 Cobalt Jobber Bit	.1110	\$1.29	\$1.16	\$1.10	\$1.03	\$.97
705C-#35	#35 Cobalt Jobber Bit	.1100	\$1.29	\$1.16	\$1.10	\$1.03	\$.97
705C-#36	#36 Cobalt Jobber Bit	.1065	\$1.29	\$1.16	\$1.10	\$1.03	\$.97
705C-#37	#37 Cobalt Jobber Bit	.1040	\$1.29	\$1.16	\$1.10	\$1.03	\$.97
705C-#38	#38 Cobalt Jobber Bit	.1015	\$1.24	\$1.12	\$1.05	\$.99	\$.93
705C-#39	#39 Cobalt Jobber Bit	.0995	\$1.24	\$1.12	\$1.05	\$.99	\$.93
705C-#40	#40 Cobalt Jobber Bit	.0980	\$1.18	\$1.06	\$1.00	\$.94	\$.89
705C-#41	#41 Cobalt Jobber Bit	.0960	\$1.24	\$1.12	\$1.05	\$.99	\$.93
705C-#42	#42 Cobalt Jobber Bit	.0935	\$1.24	\$1.12	\$1.05	\$.99	\$.93
705C-#43	#43 Cobalt Jobber Bit	.0890	\$1.24	\$1.12	\$1.05	\$.99	\$.93
705C-#44	#44 Cobalt Jobber Bit	.0860	\$1.24	\$1.12	\$1.05	\$.99	\$.93
705C-#45	#45 Cobalt Jobber Bit	.0820	\$1.24	\$1.12	\$1.05	\$.99	\$.93
705C-#46	#46 Cobalt Jobber Bit	.0810	\$1.24	\$1.12	\$1.05	\$.99	\$.93
705C-#47	#47 Cobalt Jobber Bit	.0785	\$1.24	\$1.12	\$1.05	\$.99	\$.93
705C-#48	#48 Cobalt Jobber Bit	.0760	\$1.24	\$1.12	\$1.05	\$.99	\$.93
705C-#49	#49 Cobalt Jobber Bit	.0730	\$1.24	\$1.12	\$1.05	\$.99	\$.93
705C-#50	#50 Cobalt Jobber Bit	.0700	\$1.24	\$1.12	\$1.05	\$.99	\$.93
705C-#51	#51 Cobalt Jobber Bit	.0670	\$1.24	\$1.12	\$1.05	\$.99	\$.93
705C-#52	#52 Cobalt Jobber Bit	.0635	\$1.24	\$1.12	\$1.05	\$.99	\$.93
705C-#53	#53 Cobalt Jobber Bit	.0595	\$1.24	\$1.12	\$1.05	\$.99	\$.93
705C-#54	#54 Cobalt Jobber Bit	.0550	\$1.18	\$1.06	\$1.00	\$.94	\$.89
705C-#55	#55 Cobalt Jobber Bit	.0520	\$1.18	\$1.06	\$1.00	\$.94	\$.89
705C-#56	#56 Cobalt Jobber Bit	.0465	\$1.18	\$1.06	\$1.00	\$.94	\$.89
705C-#57	#57 Cobalt Jobber Bit	.0430	\$1.18	\$1.06	\$1.00	\$.94	\$.89
705C-#58	#58 Cobalt Jobber Bit	.0420	\$1.18	\$1.06	\$1.00	\$.94	\$.89
705C-#59	#59 Cobalt Jobber Bit	.0410	\$1.18	\$1.06	\$1.00	\$.94	\$.89
705C-#60	#60 Cobalt Jobber Bit	.0400	\$1.18	\$1.06	\$1.00	\$.94	\$.89

NOTE: All of our Jobber Drill Bits are packaged in envelopes of 12 pieces, if ordering a quantity of 12 or more, please order in multiples of 12 pieces so that we can ship you complete and unopened packages.



FRACTIONAL COBALT JOBBER LENGTH DRILL BITS



135 Degree Split Point 1/16" thru 5/16" - 12 Pieces Per Envelope 21/64" thru 1/2" - 6 Pieces Per Envelope

Made in the USA!

Manufactured to NAS Standard 907



Part Number	Description	Decimal Equivalent	1-11 Pieces	12-59 Pieces	60-119 Pieces	120-239 Pieces	240 & Up
705C-1/16	1/16" Cobalt Jobber Bit	.0625	\$1.14	\$1.03	\$.97	\$.91	\$.86
705C-5/64	5/64" Cobalt Jobber Bit	.0781	\$1.19	\$1.07	\$1.01	\$.95	\$.89
705C-3/32	3/32" Cobalt Jobber Bit	.0938	\$1.19	\$1.07	\$1.01	\$.95	\$.89
705C-7/64	7/64" Cobalt Jobber Bit	.1094	\$1.28	\$1.15	\$1.09	\$1.02	\$.96
705C-1/8	1/8" Cobalt Jobber Bit	.1250	\$1.32	\$1.19	\$1.12	\$1.06	\$.99
705C-9/64	9/64" Cobalt Jobber Bit	.1406	\$1.47	\$1.32	\$1.25	\$1.18	\$1.10
705C-5/32	5/32" Cobalt Jobber Bit	.1562	\$1.55	\$1.40	\$1.32	\$1.24	\$1.16
705C-11/64	11/64" Cobalt Jobber Bit	.1719	\$1.79	\$1.61	\$1.52	\$1.43	\$1.34
705C-3/16	3/16" Cobalt Jobber Bit	.1875	\$1.82	\$1.64	\$1.55	\$1.46	\$1.37
705C-13/64	13/64" Cobalt Jobber Bit	.2031	\$2.14	\$1.93	\$1.82	\$1.71	\$1.61
705C-7/32	7/32" Cobalt Jobber Bit	.2188	\$2.21	\$1.99	\$1.88	\$1.77	\$1.66
705C-15/64	15/64" Cobalt Jobber Bit	.2344	\$2.49	\$2.24	\$2.12	\$1.99	\$1.87
705C-1/4	1/4" Cobalt Jobber Bit	.2500	\$2.64	\$2.38	\$2.24	\$2.11	\$1.98
705C-17/64	17/64" Cobalt Jobber Bit	.2656	\$3.19	\$2.87	\$2.71	\$2.55	\$2.39
705C-9/32	9/32" Cobalt Jobber Bit	.2812	\$3.51	\$3.16	\$2.98	\$2.81	\$2.63
705C-19/64	19/64" Cobalt Jobber Bit	.2969	\$3.69	\$3.32	\$3.14	\$2.95	\$2.77
705C-5/16	5/16" Cobalt Jobber Bit	.3125	\$3.92	\$3.53	\$3.33	\$3.14	\$2.94
705C-21/64	21/64" Cobalt Jobber Bit	.3281	\$4.37	\$3.93	\$3.71	\$3.50	\$3.28
705C-11/32	11/32" Cobalt Jobber Bit	.3438	\$4.62	\$4.16	\$3.93	\$3.70	\$3.47
705C-23/64	23/64" Cobalt Jobber Bit	.3594	\$5.34	\$4.81	\$4.54	\$4.27	\$4.01
705C-3/8	3/8" Cobalt Jobber Bit	.3750	\$5.48	\$4.93	\$4.66	\$4.38	\$4.11
705C-25/64	25/64" Cobalt Jobber Bit	.3906	\$5.94	\$5.35	\$5.05	\$4.75	\$4.46
705C-13/32	13/32" Cobalt Jobber Bit	.4062	\$6.59	\$5.93	\$5.60	\$5.27	\$4.94
705C-27/64	27/64" Cobalt Jobber Bit	.4219	\$7.04	\$6.34	\$5.98	\$5.63	\$5.28
705C-7/16	7/16" Cobalt Jobber Bit	.4375	\$7.38	\$6.64	\$6.27	\$5.90	\$5.54
705C-29/64	29/64" Cobalt Jobber Bit	.4531	\$8.43	\$7.59	\$7.17	\$6.74	\$6.32
705C-15/32	15/32" Cobalt Jobber Bit	.4688	\$8.69	\$7.82	\$7.39	\$6.95	\$6.52
705C-31/64	31/64" Cobalt Jobber Bit	.4844	\$8.99	\$8.09	\$7.64	\$7.19	\$6.74
705C-1/2	1/2" Cobalt Jobber Bit	.5000	\$9.14	\$8.23	\$7.77	\$7.31	\$6.86



LETTER A thru Z COBALT JOBBER LENGTH DRILL BITS

All of our Cobalt Jobber Drills are Made in the USA - there is a difference!

135 Degree Split Point A thru N - 12 Pieces Per Envelope O thru Z - 6 Pieces Per Envelope





Made in the USA!
Manufactured to NAS Standard 907

Part Number	Description	Decimal Equivalent	1-11 Pieces	12-59 Pieces	60-119 Pieces	120-239 Pieces	240 & Up
705C-A	A Cobalt Jobber Bit	.234	\$2.89	\$2.60	\$2.46	\$2.33	\$2.19
705C-B	B Cobalt Jobber Bit	.238	\$3.04	\$2.73	\$2.58	\$2.45	\$2.32
705C-C	C Cobalt Jobber Bit	.242	\$3.04	\$2.73	\$2.58	\$2.45	\$2.32
705C-D	D Cobalt Jobber Bit	.246	\$3.16	\$2.85	\$2.69	\$2.56	\$2.40
705C-E	E Cobalt Jobber Bit	.250	\$2.64	\$2.38	\$2.24	\$2.11	\$1.98
705C-F	F Cobalt Jobber Bit	.257	\$3.19	\$2.98	\$2.81	\$2.70	\$2.58
705C-G	G Cobalt Jobber Bit	.261	\$3.27	\$3.08	\$2.95	\$2.82	\$2.68
705C-H	H Cobalt Jobber Bit	.266	\$3.32	\$3.14	\$2.99	\$2.85	\$2.74
705C-I	l Cobalt Jobber Bit	.272	\$3.53	\$3.38	\$3.09	\$2.97	\$2.82
705C-J	J Cobalt Jobber Bit	.277	\$3.68	\$3.49	\$3.26	\$3.13	\$2.99
705C-K	K Cobalt Jobber Bit	.281	\$3.79	\$3.57	\$3.39	\$3.23	\$3.08
705C-L	L Cobalt Jobber Bit	.290	\$3.93	\$3.70	\$3.51	\$3.37	\$3.19
705C-M	M Cobalt Jobber Bit	.295	\$4.15	\$3.86	\$3.63	\$3.48	\$3.34
705C-N	N Cobalt Jobber Bit	.302	\$4.28	\$3.98	\$3.75	\$3.59	\$3.42
705C-0	O Cobalt Jobber Bit	.316	\$4.57	\$4.18	\$3.99	\$3.73	\$3.53
705C-P	P Cobalt Jobber Bit	.323	\$4.89	\$4.48	\$4.22	\$3.99	\$3.79
705C-Q	Q Cobalt Jobber Bit	.332	\$5.29	\$4.97	\$4.68	\$4.39	\$4.13
705C-R	R Cobalt Jobber Bit	.339	\$5.38	\$5.09	\$4.81	\$4.49	\$4.24
705C-S	S Cobalt Jobber Bit	.348	\$5.89	\$5.53	\$5.19	\$4.89	\$4.59
705C-T	T Cobalt Jobber Bit	.358	\$6.08	\$5.69	\$5.47	\$5.09	\$4.83
705C-U	U Cobalt Jobber Bit	.368	\$6.24	\$5.88	\$5.65	\$5.24	\$4.98
705C-V	V Cobalt Jobber Bit	.377	\$7.19	\$6.59	\$6.15	\$5.83	\$5.49
705C-W	W Cobalt Jobber Bit	.386	\$7.39	\$6.78	\$6.37	\$6.07	\$5.88
705C-X	X Cobalt Jobber Bit	.397	\$7.68	\$6.99	\$6.68	\$6.31	\$6.09
705C-Y	Y Cobalt Jobber Bit	.404	\$7.95	\$7.28	\$6.94	\$6.55	\$6.33
705C-Z	Z Cobalt Jobber Bit	.413	\$8.15	\$7.39	\$7.13	\$6.87	\$6.59

#1-#60 HIGH SPEED STEEL JOBBER LENGTH DRILL BITS



135 Degree Split Point **Made in the USA!** Packaged 12 pieces per envelope



Part Number	Description	Decimal Equiv.	1-11 Pieces	12-239 Pieces	240 & Up
705SP-#1	#1 HSS Jobber Bit	.2280	\$1.79	\$1.61	\$1.52
705SP-#2	#2 HSS Jobber Bit	.2210	\$1.79	\$1.61	\$1.52
705SP-#3	#3 HSS Jobber Bit	.2130	\$1.68	\$1.51	\$1.43
705SP-#4	#4 HSS Jobber Bit	.2090	\$1.68	\$1.51	\$1.43
705SP-#5	#5 HSS Jobber Bit	.2055	\$1.68	\$1.51	\$1.43
705SP-#6	#6 HSS Jobber Bit	.2040	\$1.68	\$1.51	\$1.43
705SP-#7	#7 HSS Jobber Bit	.2010	\$1.58	\$1.42	\$1.34
705SP-#8	#8 HSS Jobber Bit	.1990	\$1.58	\$1.42	\$1.34
705SP-#9	#9 HSS Jobber Bit	.1960	\$1.58	\$1.42	\$1.34
705SP-#10	#10 HSS Jobber Bit	.1935	\$1.58	\$1.42	\$1.34
705SP-#11	#11 HSS Jobber Bit	.1910	\$1.58	\$1.42	\$1.34
705SP-#12	#12 HSS Jobber Bit	.1890	\$1.55	\$1.40	\$1.32
705SP-#13	#13 HSS Jobber Bit	.1850	\$1.55	\$1.40	\$1.32
705SP-#14	#14 HSS Jobber Bit	.1820	\$1.55	\$1.40	\$1.32
705SP-#15	#15 HSS Jobber Bit	.1800	\$1.55	\$1.40	\$1.32
705SP-#16	#16 HSS Jobber Bit	.1770	\$1.43	\$1.29	\$1.22
705SP-#17	#17 HSS Jobber Bit	.1730	\$1.43	\$1.29	\$1.22
705SP-#18	#18 HSS Jobber Bit	.1695	\$1.33	\$1.20	\$1.13
705SP-#19	#19 HSS Jobber Bit	.1660	\$1.33	\$1.20	\$1.13
705SP-#20	#20 HSS Jobber Bit	.1610	\$1.33	\$1.20	\$1.13
705SP-#21	#21 HSS Jobber Bit	.1590	\$1.33	\$1.20	\$1.13
705SP-#22	#22 HSS Jobber Bit	.1570	\$1.33	\$1.20	\$1.13
705SP-#23	#23 HSS Jobber Bit	.1540	\$1.24	\$1.12	\$1.05
705SP-#24	#24 HSS Jobber Bit	.1520	\$1.24	\$1.12	\$1.05
705SP-#25	#25 HSS Jobber Bit	.1495	\$1.24	\$1.12	\$1.05
705SP-#26	#26 HSS Jobber Bit	.1470	\$1.24	\$1.12	\$1.05
705SP-#27	#27 HSS Jobber Bit	.1440	\$1.14	\$1.03	\$.97
705SP-#28	#28 HSS Jobber Bit	.1405	\$1.14	\$1.03	\$.97
705SP-#29	#29 HSS Jobber Bit	.1360	\$1.14	\$1.03	\$.97
705SP-#30	#30 HSS Jobber Bit	.1285	\$1.07	\$.96	\$.91

Part Number	Description	Decimal Equiv.	1-11 Pieces	12-239 Pieces	240 & Up
705SP-#31	#31 HSS Jobber Bit	.1200	\$1.09	\$.98	\$.93
705SP-#32	#32 HSS Jobber Bit	.1160	\$1.09	\$.98	\$.93
705SP-#33	#33 HSS Jobber Bit	.1130	\$1.09	\$.98	\$.93
705SP-#34	#34 HSS Jobber Bit	.1110	\$1.09	\$.98	\$.93
705SP-#35	#35 HSS Jobber Bit	.1100	\$1.09	\$.98	\$.93
705SP-#36	#36 HSS Jobber Bit	.1065	\$1.09	\$.98	\$.93
705SP-#37	#37 HSS Jobber Bit	.1040	\$1.09	\$.98	\$.93
705SP-#38	#38 HSS Jobber Bit	.1015	\$1.09	\$.98	\$.93
705SP-#39	#39 HSS Jobber Bit	.0995	\$1.09	\$.98	\$.93
705SP-#40	#40 HSS Jobber Bit	.0980	\$1.05	\$.95	\$.89
705SP-#41	#41 HSS Jobber Bit	.0960	\$1.10	\$.99	\$.94
705SP-#42	#42 HSS Jobber Bit	.0935	\$1.10	\$.99	\$.94
705SP-#43	#43 HSS Jobber Bit	.0890	\$1.10	\$.99	\$.94
705SP-#44	#44 HSS Jobber Bit	.0860	\$1.10	\$.99	\$.94
705SP-#45	#45 HSS Jobber Bit	.0820	\$1.10	\$.99	\$.94
705SP-#46	#46 HSS Jobber Bit	.0810	\$1.10	\$.99	\$.94
705SP-#47	#47 HSS Jobber Bit	.0785	\$1.10	\$.99	\$.94
705SP-#48	#48 HSS Jobber Bit	.0760	\$1.10	\$.99	\$.94
705SP-#49	#49 HSS Jobber Bit	.0730	\$1.10	\$.99	\$.94
705SP-#50	#50 HSS Jobber Bit	.0700	\$1.10	\$.99	\$.94
705SP-#51	#51 HSS Jobber Bit	.0670	\$1.05	\$.95	\$.89
705SP-#52	#52 HSS Jobber Bit	.0635	\$1.05	\$.95	\$.89
705SP-#53	#53 HSS Jobber Bit	.0595	\$1.05	\$.95	\$.89
705SP-#54	#54 HSS Jobber Bit	.0550	\$1.05	\$.95	\$.89
705SP-#55	#55 HSS Jobber Bit	.0520	\$1.05	\$.95	\$.89
705SP-#56	#56 HSS Jobber Bit	.0465	\$1.05	\$.95	\$.89
705SP-#57	#57 HSS Jobber Bit	.0430	\$1.05	\$.95	\$.89
705SP-#58	#58 HSS Jobber Bit	.0420	\$1.05	\$.95	\$.89
705SP-#59	#59 HSS Jobber Bit	.0410	\$1.05	\$.95	\$.89
705SP-#60	#60 HSS Jobber Bit	.0400	\$1.05	\$.95	\$.89

FRACTIONAL / LETTER HIGH SPEED STEEL JOBBER LENGTH DRILL BITS

135 Degree Split Point Made in the USA!



1/16" thru 5/16" & A thru N - 12 pieces per envelope 21/64" thru 1/2" & O thru Z - 6 pieces per envelope

All of our HSS Jobber Drills are Made in the USA - there is a difference!

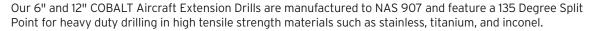
Part Number	Description	Decimal Equiv.		12-239 Pieces	240 & Up
705SP-1/16	1/16" HSS Jobber Bit	.0625	\$.93	\$.84	\$.79
705SP-5/64	5/64" HSS Jobber Bit	.0781	\$.93	\$.84	\$.79
705SP-3/32	3/32" HSS Jobber Bit	.0938	\$.93	\$.84	\$.79
705SP-7/64	7/64" HSS Jobber Bit	.1094	\$.93	\$.84	\$.79
705SP-1/8	1/8" HSS Jobber Bit	.1250	\$.98	\$.88	\$.83
705SP-9/64	9/64" HSS Jobber Bit	.1406	\$1.07	\$.96	\$.91
705SP-5/32	5/32" HSS Jobber Bit	.1562	\$1.09	\$.98	\$.93
705SP-11/64	11/64" HSS Jobber Bit	.1719	\$1.14	\$1.03	\$.97
705SP-3/16	3/16" HSS Jobber Bit	.1875	\$1.19	\$1.07	\$1.01
705SP-13/64	13/64" HSS Jobber Bit	.2031	\$1.47	\$1.32	\$1.25
705SP-7/32	7/32" HSS Jobber Bit	.2188	\$1.53	\$1.38	\$1.30
705SP-15/64	15/64" HSS Jobber Bit	.2344	\$1.62	\$1.46	\$1.38
705SP-1/4	1/4" HSS Jobber Bit	.2500	\$1.69	\$1.52	\$1.44
705SP-17/64	17/64" HSS Jobber Bit	.2656	\$1.99	\$1.79	\$1.69
705SP-9/32	9/32" HSS Jobber Bit	.2812	\$2.14	\$1.93	\$1.82
705SP-19/64	19/64" HSS Jobber Bit	.2969	\$2.41	\$2.17	\$2.05
705SP-5/16	5/16" HSS Jobber Bit	.3125	\$2.53	\$2.28	\$2.15
705SP-21/64	21/64" HSS Jobber Bit	.3281	\$2.82	\$2.54	\$2.40
705SP-11/32	11/32" HSS Jobber Bit	.3438	\$3.08	\$2.77	\$2.62
705SP-23/64	23/64" HSS Jobber Bit	.3594	\$3.39	\$3.05	\$2.88
705SP-3/8	3/8" HSS Jobber Bit	.3750	\$3.52	\$3.17	\$2.99
705SP-25/64	25/64" HSS Jobber Bit	.3906	\$3.89	\$3.50	\$3.31
705SP-13/32	13/32" HSS Jobber Bit	.4062	\$4.08	\$3.67	\$3.47
705SP-27/64	27/64" HSS Jobber Bit	.4219	\$4.38	\$3.94	\$3.72
705SP-7/16	7/16" HSS Jobber Bit	.4375	\$4.52	\$4.07	\$3.84
705SP-29/64	29/64" HSS Jobber Bit	.4531	\$4.98	\$4.48	\$4.23
705SP-15/32	15/32" HSS Jobber Bit	.4688	\$5.23	\$4.71	\$4.45
705SP-31/64	31/64" HSS Jobber Bit	.4844	\$5.58	\$5.02	\$4.74
705SP-1/2	1/2" HSS Jobber Bit	.5000	\$5.79	\$5.21	\$4.92

Part Number	Description	Decimal Equiv.	1-11 Pieces	12-239 Pieces	240 & Up
705SP-A	A HSS Jobber Bit	.234	\$1.87	\$1.68	\$1.47
705SP-B	B HSS Jobber Bit	.238	\$1.87	\$1.68	\$1.47
705SP-C	C HSS Jobber Bit	.242	\$1.87	\$1.68	\$1.47
705SP-D	D HSS Jobber Bit	.246	\$1.87	\$1.68	\$1.47
705SP-E	E HSS Jobber Bit	.250	\$1.57	\$1.41	\$1.30
705SP-F	F HSS Jobber Bit	.257	\$1.93	\$1.74	\$1.63
705SP-G	G HSS Jobber Bit	.261	\$1.93	\$1.74	\$1.63
705SP-H	H HSS Jobber Bit	.266	\$2.08	\$1.87	\$1.75
705SP-I	l HSS Jobber Bit	.272	\$2.08	\$1.87	\$1.75
705SP-J	J HSS Jobber Bit	.277	\$2.37	\$2.13	\$1.99
705SP-K	K HSS Jobber Bit	.281	\$2.37	\$2.13	\$1.99
705SP-L	L HSS Jobber Bit	.290	\$2.37	\$2.13	\$1.99
705SP-M	M HSS Jobber Bit	.295	\$2.72	\$2.45	\$2.32
705SP-N	N HSS Jobber Bit	.302	\$2.72	\$2.45	\$2.32
705SP-0	O HSS Jobber Bit	.316	\$2.72	\$2.45	\$2.32
705SP-P	P HSS Jobber Bit	.323	\$3.24	\$2.92	\$2.69
705SP-Q	Q HSS Jobber Bit	.332	\$3.24	\$2.92	\$2.69
705SP-R	R HSS Jobber Bit	.339	\$3.38	\$3.04	\$2.83
705SP-S	S HSS Jobber Bit	.348	\$3.67	\$3.30	\$3.08
705SP-T	T HSS Jobber Bit	.358	\$3.67	\$3.30	\$3.08
705SP-U	U HSS Jobber Bit	.368	\$3.98	\$3.58	\$3.34
705SP-V	V HSS Jobber Bit	.377	\$3.98	\$3.58	\$3.34
705SP-W	W HSS Jobber Bit	.386	\$4.23	\$3.81	\$3.63
705SP-X	X HSS Jobber Bit	.397	\$4.23	\$3.81	\$3.63
705SP-Y	Y HSS Jobber Bit	.404	\$4.89	\$4.40	\$4.07
705SP-Z	Z HSS Jobber Bit	.413	\$4.89	\$4.40	\$4.07



COBALT AIRCRAFT EXTENSION DRILL BITS - 6" & 12"







These are the most commonly used sizes, all other sizes are available - please call for a quote.

6" COBALT EXTENSION DRILLS

6" COBALT EX	TENSION	I DRILLS			
Part Number	Size	Decimal Equiv.	1-11 Pieces	12-143 Pieces	144 & Up
#50C0B-6	#50	.0700	\$2.49	\$2.24	\$1.98
3/32COB-6	3/32"	.0938	\$2.49	\$2.24	\$1.98
#40C0B-6	#40	.0980	\$2.49	\$2.24	\$1.98
1/8COB-6	1/8"	.1250	\$2.49	\$2.24	\$1.98
#30C0B-6	#30	.1285	\$2.59	\$2.34	\$2.09
#29COB-6	#29	.1360	\$2.89	\$2.61	\$2.34
#27COB-6	#27	.1440	\$2.63	\$2.37	\$2.14
5/32COB-6	5/32"	.1562	\$2.68	\$2.42	\$2.18
#22COB-6	#22	.1570	\$3.08	\$2.78	\$2.51
#21COB-6	#21	.1590	\$2.92	\$2.63	\$2.37
#20C0B-6	#20	.1610	\$2.92	\$2.63	\$2.37
#19COB-6	#19	.1660	\$2.98	\$2.69	\$2.43
#16COB-6	#16	.1770	\$2.98	\$2.69	\$2.43
#15COB-6	#15	.1800	\$3.27	\$2.95	\$2.66
#13COB-6	#13	.1850	\$2.92	\$2.63	\$2.37
3/16COB-6	3/16"	.1875	\$2.97	\$2.68	\$2.42
#12COB-6	#12	.1890	\$2.97	\$2.68	\$2.42
#11COB-6	#11	.1910	\$2.97	\$2.68	\$2.42
#10C0B-6	#10	.1935	\$2.89	\$2.61	\$2.35
#8COB-6	#8	.1990	\$2.97	\$2.68	\$2.42
#7COB-6	#7	.2010	\$2.99	\$2.70	\$2.57
#6C0B-6	#6	.2040	\$3.07	\$2.77	\$2.64
#5COB-6	#5	.2055	\$3.12	\$2.81	\$2.67
#3COB-6	#3	.2130	\$3.38	\$3.05	\$2.90
7/32COB-6	7/32"	.2188	\$3.29	\$2.97	\$2.68
D-COB-6	"D"	.2460	\$3.68	\$3.32	\$3.16
1/4COB-6	1/4"	.2500	\$3.47	\$3.44	\$3.10
G-COB-6	"G"	.2610	\$4.39	\$3.96	\$3.77
5/16COB-6	5/16"	.3125	\$6.29	\$5.67	\$5.11

12" COBALT EXTENSION DRILLS

Part Number	Size	Decimal Equiv.	1-11 Pieces	12-143 Pieces	144 & Up
3/32COB-12	3/32"	.0938	\$4.39	\$3.96	\$3.57
#40C0B-12	#40	.0980	\$4.39	\$3.96	\$3.57
1/8COB-12	1/8"	.1250	\$4.39	\$3.96	\$3.57
#30C0B-12	#30	.1285	\$4.39	\$3.96	\$3.57
#29C0B-12	#29	.1360	\$4.98	\$4.49	\$4.05
#27COB-12	#27	.1440	\$4.59	\$4.14	\$3.73
5/32COB-12	5/32"	.1562	\$4.59	\$4.14	\$3.73
#22COB-12	#22	.1570	\$4.98	\$4.49	\$4.05
#21COB-12	#21	.1590	\$4.59	\$4.14	\$3.73
#20C0B-12	#20	.1610	\$4.59	\$4.14	\$3.73
#19COB-12	#19	.1660	\$4.72	\$4.25	\$3.83
#16COB-12	#16	.1770	\$4.72	\$4.25	\$3.83
#15COB-12	#15	.1800	\$4.98	\$4.49	\$4.05
#13COB-12	#13	.1850	\$4.98	\$4.49	\$4.05
3/16COB-12	3/16"	.1875	\$4.98	\$4.49	\$4.05
#12COB-12	#12	.1890	\$4.98	\$4.49	\$4.05
#11COB-12	#11	.1910	\$4.98	\$4.49	\$4.05
#10C0B-12	#10	.1935	\$4.98	\$4.49	\$4.05
#8COB-12	#8	.1990	\$5.19	\$4.68	\$4.22
#7COB-12	#7	.2010	\$5.48	\$4.94	\$4.45
#6COB-12	#6	.2040	\$5.48	\$4.94	\$4.45
#5COB-12	#5	.2055	\$5.48	\$4.94	\$4.45
#3COB-12	#3	.2130	\$5.48	\$4.94	\$4.45
7/32COB-12	7/32"	.2188	\$5.79	\$5.22	\$4.70
D-COB-12	"D"	.2460	\$5.79	\$5.22	\$4.70
1/4COB-12	1/4"	.2500	\$5.79	\$5.22	\$4.70
G-COB-12	"G"	.2610	\$6.84	\$6.16	\$5.55
5/16COB-12	5/16"	.3125	\$7.65	\$6.89	\$6.21



HIGH SPEED STEEL AIRCRAFT EXTENSION DRILL BITS - 6" & 12"





Our 6" and 12" High Speed Steel Aircraft Extension Drills feature 135 Degree Split Points for heavy duty drilling in a variety of metals and materials.

These are the most commonly used sizes, all other sizes are available - please call for a quote.

6" HSS EXTENSION DRILLS

Part Number	Size	Decimal Equiv.	1-11 Pieces	12-143 Pieces	144 & Up
#50HSS-6	#50	.0700	\$2.77	\$2.49	\$2.27
3/32HSS-6	3/32"	.0938	\$1.99	\$1.79	\$1.65
#40HSS-6	#40	.0980	\$1.99	\$1.79	\$1.65
1/8HSS-6	1/8"	.1250	\$2.09	\$1.88	\$1.78
#30HSS-6	#30	.1285	\$2.09	\$1.88	\$1.78
#29HSS-6	#29	.1360	\$2.89	\$2.61	\$2.43
#27HSS-6	#27	.1440	\$2.22	\$2.00	\$1.88
5/32HSS-6	5/32"	.1562	\$2.22	\$2.00	\$1.88
#22HSS-6	#22	.1570	\$2.98	\$2.68	\$2.57
#21HSS-6	#21	.1590	\$2.29	\$2.07	\$1.92
#20HSS-6	#20	.1610	\$2.29	\$2.07	\$1.92
#19HSS-6	#19	.1660	\$2.48	\$2.24	\$2.06
#16HSS-6	#16	.1770	\$2.57	\$2.32	\$2.14
#15HSS-6	#15	.1800	\$2.62	\$2.36	\$2.18
#13HSS-6	#13	.1850	\$2.62	\$2.36	\$2.18
3/16HSS-6	3/16"	.1875	\$2.62	\$2.36	\$2.18
#12HSS-6	#12	.1890	\$2.62	\$2.36	\$2.18
#11HSS-6	#11	.1910	\$2.69	\$2.43	\$2.24
#10HSS-6	#10	.1935	\$2.59	\$2.34	\$2.16
#8HSS-6	#8	.1990	\$2.79	\$2.52	\$2.32
#7HSS-6	#7	.2010	\$2.98	\$2.69	\$2.48
#5HSS-6	#5	.2055	\$3.07	\$2.77	\$2.55
#3HSS-6	#3	.2130	\$3.12	\$2.81	\$2.59
7/32HSS-6	7/32"	.2188	\$3.37	\$3.04	\$2.80
D-HSS-6	"D"	.2460	\$3.78	\$3.41	\$3.14
1/4HSS-6	1/4"	.2500	\$3.19	\$2.88	\$2.65
G-HSS-6	"G"	.2610	\$5.97	\$5.38	\$4.89
5/16HSS-6	5/16"	.3125	\$5.54	\$4.99	\$4.59

12" HSS EXTENSION DRILLS

Part Number	Size	Decimal Equiv.	1-11 Pieces	12-143 Pieces	144 & Up
3/32HSS-12	3/32"	.0938	\$3.98	\$3.59	\$3.31
#40HSS-12	#40	.0980	\$4.19	\$3.78	\$3.48
1/8HSS-12	1/8"	.1250	\$4.19	\$3.78	\$3.48
#30HSS-12	#30	.1285	\$4.69	\$4.22	\$3.99
#29HSS-12	#29	.1360	\$5.48	\$4.94	\$4.55
#27HSS-12	#27	.1440	\$4.43	\$3.99	\$3.67
5/32HSS-12	5/32"	.1562	\$4.25	\$3.83	\$3.53
#22HSS-12	#22	.1570	\$5.78	\$5.21	\$4.80
#21HSS-12	#21	.1590	\$4.25	\$3.83	\$3.53
#20HSS-12	#20	.1610	\$4.25	\$3.83	\$3.53
#19HSS-12	#19	.1660	\$4.43	\$3.99	\$3.67
#16HSS-12	#16	.1770	\$4.43	\$3.99	\$3.67
#15HSS-12	#15	.1800	\$4.69	\$4.23	\$3.90
#13HSS-12	#13	.1850	\$4.43	\$3.99	\$3.67
3/16HSS-12	3/16"	.1875	\$4.43	\$3.99	\$3.67
#12HSS-12	#12	.1890	\$4.57	\$4.12	\$3.79
#11HSS-12	#11	.1910	\$4.57	\$4.12	\$3.79
#10HSS-12	#10	.1935	\$4.43	\$3.99	\$3.67
#8HSS-12	#8	.1990	\$4.62	\$4.16	\$3.83
#7HSS-12	#7	.2010	\$4.88	\$4.40	\$4.05
#5HSS-12	#5	.2055	\$4.88	\$4.40	\$4.05
#3HSS-12	#3	.2130	\$4.97	\$4.48	\$4.13
7/32HSS-12	7/32"	.2188	\$4.97	\$4.48	\$4.13
D-HSS-12	"D"	.2460	\$5.43	\$4.89	\$4.50
1/4HSS-12	1/4"	.2500	\$4.97	\$4.48	\$4.13
G-HSS-12	"G"	.2610	\$6.14	\$5.53	\$5.09
5/16HSS-12	5/16"	.3125	\$6.98	\$6.29	\$5.79



METRIC / S&D / SCREW MACHINE LENGTH / DRILL BITS



METRIC JOBBER LENGTH DRILL BITS - COBALT

135° Split Point • Packaged 12 Pieces Per Envelope These sizes in stock, other metric sizes available.

Made in the USA!

Part Number	Drill Size	Decimal Equiv.	1-11 Pieces	12-239 Pieces	240 & Up
705C-1MM	1 mm	.0394	\$1.98	\$1.78	\$1.59
705C-1.5MM	1.5 mm	.0591	\$1.98	\$1.78	\$1.59
705C-2MM	2 mm	.0787	\$1.98	\$1.78	\$1.59
705C-2.5MM	2.5 mm	.0984	\$1.98	\$1.78	\$1.59
705C-3MM	3 mm	.1181	\$1.87	\$1.68	\$1.51
705C-3.5MM	3.5 mm	.1378	\$2.15	\$1.94	\$1.75
705C-4MM	4 mm	.1575	\$2.35	\$2.12	\$1.91
705C-4.5MM	4.5 mm	.1772	\$2.53	\$2.28	\$2.05
705C-5MM	5 mm	.1969	\$2.65	\$2.39	\$2.15
705C-5.5MM	5.5 mm	.2165	\$2.97	\$2.67	\$2.40
705C-6MM	6 mm	.2362	\$3.48	\$3.13	\$2.97
705C-6.5MM	6.5 mm	.2559	\$3.69	\$3.32	\$3.15
705C-7MM	7 mm	.2756	\$4.13	\$3.72	\$3.53
705C-7.5MM	7.5 mm	.2953	\$4.98	\$4.48	\$4.26
705C-8MM	8 mm	.3150	\$5.54	\$4.99	\$4.74
705C-8.5MM	8.5 mm	.3346	\$5.99	\$5.39	\$5.12
705C-9MM	9 mm	.3543	\$6.88	\$6.19	\$5.88
705C-9.5MM	9.5 mm	.3740	\$7.57	\$6.81	\$6.47
705C-10MM	10 mm	.3937	\$7.99	\$7.19	\$6.83

COBALT SCREW MACHINE/ STUBBY LENGTH DRILLS



135° Split Point • Packaged 12 Pieces Per Envelope Manufactured to NAS 907 - Type "J" Standard.

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These sizes in stock, all other sizes available. • Made in the USA!

Part Number	Drill Size	Decimal Equiv.	Flute Length	Overall Length	1-11 Pieces	12 & Up
SMLC-3/32	3/32"	.0938	3/4"	1-11/16"	\$1.29	\$1.16
SMLC-#40	#40	.0980	13/16"	1-13/16"	\$1.48	\$1.33
SMLC-1/8	1/8"	.1250	7/8"	1-7/8"	\$1.78	\$1.60
SMLC-#30	#30	.1285	7/8"	1-7/8"	\$1.85	\$1.67
SMLC-#27	#27	.1440	1"	2-1/16"	\$1.89	\$1.70
SMLC-5/32	5/32"	.1562	1"	2-1/16"	\$1.89	\$1.70
SMLC-#21	#21	.1590	1-1/16"	2-1/8"	\$1.99	\$1.79
SMLC-#20	#20	.1610	1-1/16"	2-1/8"	\$1.99	\$1.79
SMLC-#19	#19	.1660	1-1/16"	2-1/8"	\$1.99	\$1.79
SMLC-#16	#16	.1770	1-1/8"	2-3/16"	\$2.35	\$2.12
SMLC-#13	#13	.1850	1-1/8"	2-3/16"	\$2.39	\$2.15
SMLC-3/16	3/16"	.1875	1-1/8"	2-3/16"	\$2.39	\$2.15
SMLC-#12	#12	.1890	1-3/16"	2-1/4"	\$2.59	\$2.33
SMLC-#11	#11	.1910	1-3/16"	2-1/4"	\$2.59	\$2.33
SMLC-#10	#10	.1935	1-3/16"	2-1/4"	\$2.65	\$2.39
SMLC-#8	#8	.1990	1-3/16"	2-1/4"	\$2.65	\$2.39
SMLC-#3	#3	.2130	1-1/4"	2-3/8"	\$3.38	\$3.04
SMLC-7/32	7/32"	.2188	1-1/4"	2-3/8"	\$2.97	\$2.67
SMLC-D	"D"	.2460	1-3/8"	2-1/2"	\$3.74	\$3.37
SMLC-1/4	1/4"	.2500	1-3/8"	2-1/2"	\$3.38	\$3.04
SMLC-G	"G"	.2610	1-7/16"	2-5/8"	\$3.99	\$3.59
SMLC-5/16	5/16"	.3125	1-5/8"	2-13/16"	\$4.58	\$4.12



COBALT SILVER & DEMING DRILLS

118° Split Point • 1/2" Reduced Shank • 6" Overall Length These sizes stock, all other sizes available. Made in the USA!

8 PIECE COBALT SILVER & DEMING DRILL BIT SET

Includes sizes 9/16", 5/8", 11/16", 3/4"", 13/16", 7/8", 15/16", & 1". Packaged in a heavy-duty fitted case for easy storage. 1/2" reduced shanks. Made in the USA!



Part Number	Drill Size	Decimal Equiv.	1-11 Pieces	12 Pieces
SDC-9/16	9/16"	.5625	\$36.90	\$33.20
SDC-5/8	5/8"	.6250	\$38.65	\$34.80
SDC-11/16	11/16"	.6875	\$39.88	\$35.90
SDC-3/4	3/4"	.7500	\$44.38	\$39.94
SDC-13/16	13/16"	.8125	\$48.90	\$44.00
SDC-7/8	7/8"	.8750	\$49.95	\$44.96
SDC-15/16	15/16"	.9375	\$53.85	\$48.47
SDC-1	1"	1.000	\$59.60	\$53.65



COMPLETE DRILL INDEX SETS



Always have the correct size drill bit at your fingertips. Choose our American made heavy duty drill bits in either High Speed Steel or Cobalt – neatly stored in

all-metal drill index boxes.

115 PIECE SUPER SET

Includes 1/16" thru 1/2" by 64ths; #1 thru #60; and letter sizes A thru Z.

115-HSS	High Speed Steel	\$219.95
115-COB	Cobalt	\$398.95
HU-115	Empty Case Only	\$32.95



Includes number drill sizes #1 thru #60. 60-HSS High Speed Steel \$79.95 60-COB Cobalt \$139.95 HU-60 Empty Case Only \$9.95

	26 PIECE LETTER SET Includes letter drill sizes A thru Z.					
26-HSS	High Speed Steel	\$8.95				
26-C0B	Cobalt	\$169.95				
HU-26	Empty Case Only	\$9.95				
	ephoroe					







DRILL BITS FOR SPECIAL APPLICATIONS



DRILL BITS FOR PLASTICS & ACRYLICS

The point on these specially designed drill bits is precision ground at a 60 degree angle for gradual penetration to minimize cracking and chipping. A 0 degree rake angle on the cutting edge eliminates grabbing as the drill comes through the material.

Part Number	Size	1-11 Pieces	12 & Up
PD-1/8	1/8"	\$3.99	\$3.60
PD-5/32	5/32"	\$3.99	\$3.60
PD-3/16	3/16"	\$4.27	\$3.85
PD-1/4	1/4"	\$4.49	\$4.05
PD-5/16	5/16"	\$5.39	\$4.86



DOUBLE ENDED DRILL BITS

For maximum economy, these drill bits feature a drilling point on both ends. When one end becomes dull, simply re-chuck the drill bit on the other side and keep drilling. High Speed Steel with a 135 Degree Split Point.

Part Number	Size	1-11 Pieces	12 & Up
DEHSS-40	#40	\$1.27	\$1.15
DEHSS-30	#30	\$1.29	\$1.17
DEHSS-21	#21	\$1.49	\$1.35
DEHSS-20	#20	\$1.49	\$1.35
DEHSS-10	#10	\$1.97	\$1.78
DEHSS-1/4	1/4"	\$2.28	\$2.06



SOLID CARBIDE DRILL BITS

Use to drill extremely hard materials, solid carbide offers superior wear resistence. These are the most commonly used sizes, all other sizes are available – please call for a quote. **Made in the USA!**

Part Number	Size	1-11 Pieces	12 & Up
105-3/32	3/32"	\$12.90	\$10.85
105-#40	#40	\$12.90	\$10.85
105-1/8	1/8"	\$13.90	\$11.20
105-#30	#30	\$13.90	\$11.20
105-#27	#27	\$14.90	\$12.85
105-5/32	5/32"	\$15.25	\$13.65
105-#21	#21	\$15.45	\$13.90
105-#20	#20	\$15.45	\$13.90
105-#19	#19	\$16.20	\$14.45
105-#16	#16	\$16.95	\$15.20
105-#13	#13	\$17.65	\$15.90
105-3/16	3/16"	\$17.45	\$15.70
105-#11	#11	\$18.30	\$16.45
105-#10	#10	\$18.30	\$16.45
105-#8	#8	\$18.75	\$16.90
105-7/32	7/32"	\$20.75	\$18.90
105-1/4	1/4"	\$24.85	\$22.35



LEFT HAND DRILL BITS

Designed for left hand rotation – particularly useful for drilling out fasteners. These are the most commonly used sizes, all other sizes are available.

Part Number	Size	1-11 Pieces	12 & Up
LH-HSS-#40	#40	\$3.25	\$2.93
LH-HSS-#30	#30	\$3.35	\$2.99
LH-HSS-#21	#21	\$3.80	\$3.42
LH-HSS-#10	#10	\$4.37	\$3.94
LH-HSS-1/4	1/4"	\$4.58	\$4.13



High speed steel, straight shank, straight flute. Made in the USA! These sizes in stock and available for immediate delivery, all other sizes available – please call for a quote.



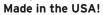
available please	can for a quote	•	MADE IN THE USA
Part Number	Size	Decimal	Price Each
CR-3/32	3/32"	.0938	\$9.95
CR-#40	#40	.0980	\$9.95
CR-7/64	7/64"	.1094	\$10.45
CR-1/8	1/8"	.1250	\$9.95
CR-#30	#30	.1285	\$10.75
CR-9/64	9/64"	.1406	\$11.95
CR-#27	#27	.1440	\$11.95
CR-5/32	5/32"	.1562	\$12.85
CR-#21	#21	.1590	\$12.95
CR-#20	#20	.1610	\$12.95
CR-#19	#19	.1660	\$12.95
CR-11/64	11/64"	.1719	\$13.75
CR-#16	#16	.1770	\$13.75
CR-#15	#15	.1800	\$13.75
CR-#13	#13	.1850	\$13.75
CR-3/16	3/16"	.1875	\$12.95
CR-#12	#12	.1890	\$13.95
CR-#11	#11	.1910	\$13.95
CR-#10	#10	.1935	\$13.95
CR-#9	#9	.1960	\$14.85
CR-#8	#8	.1990	\$14.85
CR-#7	#7	.2010	\$14.85
CR-13/64	13/64"	.2031	\$15.45
CR-#6	#6	.2040	\$15.75
CR-#5	#5	.2055	\$15.75
CR-#3	#3	.2130	\$15.75
CR-7/32	7/32"	.2188	\$14.95
CR-#2	#2	.2210	\$15.95
CR-#1	#1	.2280	\$15.95
CR-15/64	15/64"	.2344	\$16.65
CR-D	"D"	.2460	\$16.90
CR-1/4	1/4"	.2500	\$14.75
CR-F	"F"	.2570	\$16.90
CR-G	"G"	.2610	\$17.95
CR-17/64	17/64"	.2656	\$18.65

CHUCKING REAMERS / REAMER SETS

Part Number	Size	Decimal	Price Each
CR-J	"J"	.2770	\$18.85
CR-9/32	9/32"	.2812	\$18.95
CR-19/64	19/64"	.2969	\$19.95
CR-5/16	5/16"	.3125	\$16.95
CR-P	"P"	.3230	\$21.75
CR-21/64	21/64"	.3281	\$21.95
CR-11/32	11/32"	.3438	\$21.95
CR-23/64	23/64"	.3594	\$21.95
CR-3/8	3/8"	.3750	\$18.65
CR-25/64	25/64"	.3906	\$21.95
CR-13/32	13/32"	.4062	\$22.45
CR-27/64	27/64"	.4219	\$22.85
CR-7/16	7/16"	.4375	\$21.90
CR-29/64	29/64"	.4531	\$23.75
CR-15/32	15/32"	.4688	\$23.75
CR-31/64	31/64"	.4844	\$23.75
CR-1/2	1/2"	.5000	\$22.65
CR-17/32	17/32"	.5312	\$42.85
CR-9/16	9/16"	.5625	\$40.65
CR-19/32	19/32"	.5938	\$45.95
CR-5/8	5/8"	.6250	\$43.95
CR-3/4	3/4"	.7500	\$59.85

CHUCKING REAMER SETS

Choose High Speed Steel or Cobalt. Includes indexed metal storage box. Straight flute, straight shank.





Part Number	List Description	Price
733-FRAC	Fractional 1/16" thru 1/2"(29 Pcs) HSS	\$439.95
1733-FRAC	Fractional 1/16" thru 1/2"(29 Pcs) Cobalt	\$528.95
733-1-60	#1-#60 (60 Pcs) HSS	\$598.95
1733-1-60	#1-#60 (60 Pcs) Cobalt	\$649.95
733-AZ	A-Z (26 Pcs) HSS	\$489.95
1733-AZ	A-Z (26 Pcs) Cobalt	\$564.95



HSS PILOTED REAMERS

Choose from Straight Shank Chucking Reamers or 1/4-28 Threaded Shank Reamers for use with Threaded Drill Motors in tight access areas. All of our Piloted Reamers are **made** in the USA. These sizes are available for immediate delivery from stock, all other sizes are available. Call for a quick quote on any size you do not see listed here. Cobalt and Carbide reamers also available, call for pricing.

Note: Threaded Reamers are 2-1/8" OAL. Pilot Length on Chucking and Threaded Reamers is .250 (1/4"). Reamers are six flute.



CHUCKING REAMEDS

CHUCKING	REAMERS	6		THREADED	REAMER	S	
Reamer Size	Pilot Size	Part Number	Price	Reamer Size	Pilot Size	Part Number	Price
.1285	.0980	BAT-9901	\$18.95	.1285	.0980	BAT-8801	\$24.95
.1530	.1400	BAT-9902	\$18.95	.1530	.1400	BAT-8802	\$24.95
.1590	.1285	BAT-9903	\$18.95	.1590	.1285	BAT-8803	\$24.95
.1610	.1250	BAT-9904	\$18.95	.1610	.1250	BAT-8804	\$24.95
.1680	.1530	BAT-9905	\$20.75	.1680	.1530	BAT-8805	\$24.95
.1770	.1600	BAT-9953	\$20.75	.1770	.1600	BAT-8853 BAT-8806	\$24.95
.1840	.1680 .1600	BAT-9906	\$20.75 \$20.75	.1840 .1850	.1680 .1600	BAT-8807	\$24.95 \$24.95
.1850 .1860	.1600	BAT-9907 BAT-9908	\$20.75	.1860	.1600	BAT-8808	\$24.95
.1910	.1760	BAT-9954	\$20.75	.1910	.1760	BAT-8854	\$24.95
.1935	.1760	BAT-9955	\$20.75	.1935	.1760	BAT-8855	\$24.95
.1985	.1850	BAT-9909	\$20.75	.1985	.1850	BAT-8809	\$24.95
.2000	.1840	BAT-9910	\$20.75	.2000	.1840	BAT-8810	\$24.95
.2010	.1935	BAT-9956	\$20.75	.2010	.1935	BAT-8856	\$24.95
.2055	.1870	BAT-9957	\$20.75	.2055	.1870	BAT-8857	\$24.95
.2140	.1990	BAT-9911	\$20.75	.2140	.1990	BAT-8811	\$24.95
.2150	.2000	BAT-9912	\$20.75	.2150	.2000	BAT-8812	\$24.95
.2310	.2150	BAT-9913	\$20.75	.2310	.2150	BAT-8813	\$24.95
.2460	.2340	BAT-9914	\$20.75	.2460	.2340	BAT-8814	\$24.95
.2470	.2310	BAT-9915	\$20.75	.2470	.2310	BAT-8815	\$24.95
.2500	.2340	BAT-9916	\$20.75	.2500	.2340	BAT-8816	\$24.95
.2510	.2380	BAT-9958	\$20.75	.2510	.2380	BAT-8858	\$24.95
.2570	.2450	BAT-9917	\$20.75	.2570	.2450	BAT-8817	\$24.95
.2610	.2460	BAT-9918	\$21.95	.2610	.2460	BAT-8818	\$24.95
.2620	.2470	BAT-9919	\$21.95	.2620 .2760	.2470 .2610	BAT-8819 BAT-8820	\$24.95 \$24.95
.2760 .2770	.2610 .2610	BAT-9920 BAT-9959	\$21.95 \$21.95	.2770	.2610	BAT-8859	\$24.95
.2780	.2620	BAT-9939	\$21.95	.2780	.2620	BAT-8821	\$24.95
.2930	.2780	BAT-9921	\$21.95	.2930	.2780	BAT-8822	\$26.95
.3085	.2910	BAT-9923	\$21.95	.3085	.2910	BAT-8823	\$26.95
.3090	.2930	BAT-9924	\$21.95	.3090	.2930	BAT-8824	\$26.95
.3125	.2969	BAT-9925	\$21.95	.3125	.2969	BAT-8825	\$26.95
.3235	.3100	BAT-9926	\$21.95	.3235	.3100	BAT-8826	\$26.95
.3250	.3090	BAT-9927	\$21.95	.3250	.3090	BAT-8827	\$26.95
.3390	.3230	BAT-9928	\$21.95	.3390	.3230	BAT-8828	\$26.95
.3400	.3250	BAT-9929	\$21.95	.3400	.3250	BAT-8829	\$26.95
.3560	.3400	BAT-9930	\$21.95	.3560	.3400	BAT-8830	\$26.95
.3710	.3580	BAT-9931	\$24.75	.3710	.3580	BAT-8831	\$29.95
.3720	.3560	BAT-9932	\$24.75	.3720	.3560	BAT-8832	\$29.95
.3735	.3584	BAT-9960	\$24.75	.3735	.3584	BAT-8860	\$29.95
.3750	.3594	BAT-9933	\$24.75	.3750 .3860	.3594	BAT-8833 BAT-8834	\$29.95 \$29.95
.3860 .3870	.3750 .3720	BAT-9934 BAT-9935	\$24.75 \$24.75	.3870	.3720	BAT-8835	\$29.95
.4015	.3860	BAT-9936	\$24.75	.4015	.3860	BAT-8836	\$29.95
.4030	.3870	BAT-9937	\$24.75	.4030	.3870	BAT-8837	\$29.95
.4180	.4030	BAT-9938	\$25.95	.4180	.4030	BAT-8838	\$30.75
.4335	.4130	BAT-9939	\$25.95	.4335	.4130	BAT-8839	\$30.75
.4340	.4180	BAT-9940	\$25.95	.4340	.4180	BAT-8840	\$30.75
.4375	.4219	BAT-9941	\$25.95	.4375	.4219	BAT-8841	\$30.75
.4495	.4375	BAT-9942	\$27.75	.4495	.4375	BAT-8842	\$30.75
.4500	.4340	BAT-9943	\$27.75	.4500	.4340	BAT-8843	\$30.75
.4650	.4500	BAT-9944	\$27.75	.4650	.4500	BAT-8844	\$30.75
.4810	.4650	BAT-9945	\$29.75	.4810	.4650	BAT-8845	\$31.95
.4960	.4844	BAT-9946	\$29.75	.4960	.4844	BAT-8846	\$31.95
.4970	.4810	BAT-9947	\$29.75	.4970	.4810	BAT-8847	\$31.95
.5000	.4844	BAT-9948	\$29.75	.5000	.4844	BAT-8848	\$31.95
.5120	.5000	BAT-9949	\$33.95	.5120	.5000	BAT-8849	\$37.95
.5270	.5156	BAT-9950	\$33.95	.5270	.5156	BAT-8850	\$37.95
.5290	.5120	BAT-9951	\$33.95	.5290	.5120	BAT-8851	\$37.95
.5430	.5290	BAT-9952	\$38.95	.5430	.5290	BAT-8852	\$42.95



30 PIECE PILOTED REAMER KIT - BROWNTOOL EXCLUSIVE!

Our new comprehensive Piloted Reamer Kit contains a complete selection of Chucking and Threaded Reamers to enable perfect hole preparation for many of today's aerospace fasteners including solid rivets and nominal and oversize Hi-Loks[®]. Packaged in a well organized heavy duty case with precision cut tool control foam for easy storage and accountability. This kit will ensure that you will have the precision Chucking Reamer or Threaded Reamer you need in your tool box and ready to go as the need arises.

All of our Reamers are made in the USA of High Speed Steel and feature a six flute design.

Threaded Reamers feature industry standard 1/4-28 threads for use with threaded drill motors and are 2-1/8" long.

Pilot length for all of our reamers is .250 (1/4")

Sizes are clearly marked on each reamer for ease of use.



Order Part Number BAT-PRK30 \$584.95

Kit contains one each Threaded Reamer and Chucking Reamer in the following sizes:

Reamer Size	Pilot Size	Chucking Reamer Part Number	Threaded Reamer Part Number
.1285	.0980	BAT-9901	BAT-8801
.1590	.1285	BAT-9903	BAT-8803
.1610	.1250	BAT-9904	BAT-8804
.1840	.1680	BAT-9906	BAT-8806
.1850	.1600	BAT-9907	BAT-8807
.1985	.1850	BAT-9909	BAT-8809
.2000	.1840	BAT-9910	BAT-8810
.2140	.1990	BAT-9911	BAT-8811
.2460	.2340	BAT-9914	BAT-8814
.2470	.2310	BAT-9915	BAT-8815
.2500	.2340	BAT-9916	BAT-8816
.2610	.2460	BAT-9918	BAT-8818
.2760	.2610	BAT-9920	BAT-8820
.2780	.2620	BAT-9921	BAT-8821
.3125	.2969	BAT-9925	BAT-8825

CUSTOM KITS TO FIT YOUR SPECIFIC APPLICATION ARE AVAILABLE, PLEASE INQUIRE. COBALT AND CARBIDE REAMERS ALSO AVAILABLE, PLEASE CALL FOR A QUOTATION.



THREADED REAMERS / THREADED CARBIDE DRILLS



NON-PILOTED THREADED REAMERS

Six flute reamers with industry standard 1/4-28 threads. Available from stock in two different lengths. High Speed Steel. Industry standard 1/4-28 threads. "Short" reamers are 1-1/4" long, "Long" reamers are 2-1/8" long. These sizes in stock; other sizes available by special order. **Made in the USA!**

		SH0	RT	LONG	
Size	Decimal Equiv.	Part Number	Price Each	Part Number	Price Each
#40	.0980	BAT-6601	\$21.95	BAT-6602	\$22.95
1/8"	.1250	BAT-6603	\$21.95	BAT-6604	\$22.95
#30	.1285	BAT-6605	\$21.95	BAT-6606	\$22.95
#27	.1440			BAT-6607	\$23.95
5/32"	.1562	BAT-6608	\$21.95	BAT-6609	\$22.95
#21	.1590	BAT-6610	\$21.95	BAT-6611	\$22.95
#19	.1660			BAT-6612	\$23.95
#16	.1770			BAT-6613	\$24.95
#13	.1850	BAT-6614	\$22.95	BAT-6615	\$23.95
3/16"	.1875	BAT-6616	\$22.95	BAT-6617	\$23.95
#12	.1890	BAT-6618	\$22.95	BAT-6619	\$23.95
#10	.1935	BAT-6620	\$22.95	BAT-6621	\$23.95
#8	.1990	BAT-6622	\$23.95	BAT-6623	\$23.95
#3	.2130	BAT-6624	\$23.95	BAT-6625	\$23.95
"D"	.2460	BAT-6626	\$24.95	BAT-6627	\$24.95
1/4"	.2500	BAT-6628	\$24.95	BAT-6629	\$24.95



SOLID CARBIDE THREADED DRILL BITS

Perfect for use with many of today's advanced composite materials. Our Solid Carbide Threaded Drill Bits are manufactured to NAS 965 with a modified 135 degree P3 split point which is specifically designed to not "grab" as it is entering the material being drilled. Choose from "Stub" (9/16"), "Short" (1-1/4"), or "Long" (2-1/8") lengths. Manufactured of solid micro-grain carbide. Industry standard 1/4-28 threads. Sizes shown below are in stock for immediate shipment; other sizes available by special order. **Made in the USA!**

		STU	BBY	SHO	DRT	LON	IG
Size	Deci. Equiv.	Part Number	Price Each	Part Number	Price Each	Part Number	Price Each
#40	.0980	51098ST	\$22.95	51098SH	\$22.95	51098LG	\$23.95
#30	.1285	51128ST	\$22.95	51128SH	\$24.95	51128LG	\$26.95
#21	.1590	51159ST	\$27.95	51159SH	\$29.95	51159LG	\$32.95
#20	.1610	51161ST	\$27.95	51161SH	\$29.95	51161LG	\$32.95
#13	.1850	51185ST	\$30.95	51185SH	\$32.95	51185LG	\$34.95
#10	.1935	51193ST	\$32.95	51193SH	\$33.95	51193LG	\$35.95
1/4"	.2500	51250ST	\$39.95	51250SH	\$40.95	51250LG	\$44.95



COBALT THREADED SHANK ADAPTER DRILLS

Our Threaded Shank Adapter Drills are manufactured to NAS 965 Type D Standards with 135 Degree Split Points. Cobalt drills are for drilling hard, tough, high tensile strength materials and has a significantly longer tool life than regular High Speed Steel. Industry standard 1/4 - 28 threads. Our Threaded Shank Drills are **Made in the USA!**

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MADE IN THE	USA		STU	BBY			SHO	ORT			LOI	NG	
Size	Decimal	Length	Part #	1-99 Pieces	100 & Up	Length	Part #	1-99 Pieces	100 & Up	Length	Part #	1-99 Pieces	100 & Up
#50	.0700	1/2"	31070	\$5.49	\$5.19	1"	21070	\$5.49	\$5.19	2-1/8"	11070	\$5.49	\$5.19
3/32"	.0938	1/2"	31093	\$2.49	\$1.99	1"	21093	\$2.29	\$1.99	2-1/8"	11093	\$2.78	\$2.29
#40	.0980	1/2"	31098	\$2.19	\$1.79	1"	21098	\$1.89	\$1.63	2-1/8"	11098	\$1.99	\$1.72
1/8"	.1250	9/16"	31125	\$2.58	\$2.33	1-1/4"	21125	\$2.39	\$2.16	2-1/8"	11125	\$2.58	\$2.33
#30	.1285	9/16"	31128	\$2.18	\$1.79	1-1/4"	21128	\$1.99	\$1.72	2-1/8"	11128	\$2.09	\$1.73
#29	.1360	9/16"	31136	\$3.98	\$3.59	1-1/4"	21136	\$3.89	\$3.49	2-1/8"	11136	\$4.19	\$3.77
#27	.1440	9/16"	31144	\$2.43	\$2.19	1-1/4"	21144	\$2.19	\$1.98	2-1/8"	11144	\$2.39	\$2.16
5/32"	.1562	9/16"	31156	\$2.62	\$2.36	1-1/4"	21156	\$2.49	\$2.24	2-1/8"	11156	\$2.68	\$2.42
#21	.1590	9/16"	31159	\$2.39	\$2.16	1-1/4"	21159	\$2.19	\$1.98	2-1/8"	11159	\$2.39	\$2.16
#20	.1610	9/16"	31161	\$2.39	\$2.16	1-1/4"	21161	\$2.19	\$1.98	2-1/8"	11161	\$2.39	\$2.16
#19	.1660	9/16"	31166	\$2.58	\$2.33	1-1/4"	21166	\$2.52	\$2.19	2-1/8"	11166	\$2.63	\$2.24
#16	.1770	9/16"	31177	\$2.69	\$2.38	1-1/4"	21177	\$2.63	\$2.18	2-1/8"	11177	\$2.78	\$2.37
#15	.1800	9/16"	31180	\$3.97	\$3.58	1-1/4"	21180	\$3.97	\$3.58	2-1/8"	11180	\$3.99	\$3.60
#13	.1850	9/16"	31185	\$2.78	\$2.37	1-1/4"	21185	\$2.72	\$2.31	2-1/8"	11185	\$2.89	\$2.39
3/16"	.1875	9/16"	31187	\$2.68	\$2.26	1-1/4"	21187	\$2.78	\$2.24	2-1/8"	11187	\$2.84	\$2.43
#12	.1890	9/16"	31189	\$2.89	\$2.43	1-1/4"	21189	\$2.89	\$2.43	2-1/8"	11189	\$2.98	\$2.52
#11	.1910	9/16"	31191	\$2.89	\$2.43	1-1/4"	21191	\$2.79	\$2.30	2-1/8"	11191	\$2.98	\$2.52
#10	.1935	9/16"	31193	\$2.89	\$2.40	1-1/4"	21193	\$2.63	\$2.12	2-1/8"	11193	\$2.88	\$2.37
#9	.1960	9/16"	31196	\$3.98	\$3.58	1-1/4"	21196	\$3.98	\$3.58	2-1/8"	11196	\$3.98	\$3.58
#8	.1990	9/16"	31199	\$2.89	\$2.47	1-1/4"	21199	\$2.64	\$2.31	2-1/8"	11199	\$2.93	\$2.49
#7	.2010	9/16"	31201	\$3.43	\$2.99	1-1/4"	21201	\$3.39	\$2.98	2-1/8"	11201	\$3.49	\$3.09
13/64"	.2031	9/16"	31203	\$4.39	\$3.98	1-1/4"	21203	\$4.48	\$4.07	2-1/8"	11203	\$4.48	\$4.07
#6	.2040	9/16"	31204	\$3.14	\$2.83	1-1/4"	21204	\$3.14	\$2.83	2-1/8"	11204	\$3.19	\$2.88
#5	.2055	9/16"	31205	\$3.28	\$2.82	1-1/4"	21205	\$2.99	\$2.68	2-1/8"	11205	\$3.42	\$2.93
#3	.2130	9/16"	31213	\$3.98	\$3.43	1-1/4"	21213	\$3.49	\$3.09	2-1/8"	11213	\$3.69	\$3.18
7/32"	.2188	9/16"	31218	\$3.52	\$3.11	1-1/4"	21218	\$3.48	\$3.14	2-1/8"	11218	\$3.52	\$3.11
#2	.2210	9/16"	31221	\$3.98	\$3.57	1-1/4"	21221	\$3.72	\$3.35	2-1/8"	11221	\$3.98	\$3.57
#1	.2280	9/16"	31228	\$4.29	\$3.77	1-1/4"	21228	\$4.29	\$3.77	2-1/8"	11228	\$4.38	\$3.96
"D"	.2460	9/16"	31246	\$3.58	\$2.98	1-1/4"	21246	\$3.51	\$2.84	2-1/8"	11246	\$3.63	\$2.99
1/4"	.2500	9/16"	31250	\$2.99	\$2.57	1-1/4"	21250	\$2.96	\$2.45	2-1/8"	11250	\$3.07	\$2.62
"F"	.2570	9/16"	31257	\$4.12	\$3.71	1-1/4"	21257	\$3.68	\$3.29	2-1/8"	11257	\$4.19	\$3.77
"G"	.2610	9/16"	31261	\$3.99	\$3.60	1-1/4"	21261	\$3.97	\$3.58	2-1/8"	11261	\$4.29	\$3.87
5/16"	.3125	9/16"	31312	\$4.89	\$3.98	1-1/4"	21312	\$4.68	\$3.96	2-1/8"	11312	\$5.14	\$4.59
3/8"	.3750	3/4"	31375	\$6.58	\$5.69	1-1/4"	21375	\$6.39	\$5.69	2-1/8"	11375	\$6.58	\$5.85



We are now stocking select diameter threaded drills in our new VERY STUBBY length. These Very Stubby Drills are intended for use in areas where space is severly limited. Overall length is only 3/8"! Feature industry standard 1/4-28 threads and like all of our threaded drill bits, they are made in the USA!

VERY STUBBY THREADED COBALT DRILL BITS

Size	Decimal	Length	Part #	1-99 Pieces	100 & Up
#40	.0980	3/8"	41098	\$3.18	\$2.89
#30	.1285	3/8"	41128	\$3.24	\$2.92
#27	.1440	3/8"	41144	\$3.32	\$2.99
#21	.1590	3/8"	41159	\$3.48	\$3.14
#20	.1610	3/8"	41161	\$3.48	\$3.14

Size	Decimal	Length	Part #	1-99 Pieces	100 & Up
#16	.1770	3/8"	41177	\$3.57	\$3.22
#13	.1850	3/8"	41185	\$3.68	\$3.32
#10	.1935	3/8"	41193	\$3.58	\$3.23
#8	.1990	3/8"	41199	\$3.99	\$3.58
1/4"	.2500	3/8"	41250	\$4.28	\$3.86

brown aviation tool supply company

DIAMOND COATED CUTTING TOOLS

Designed to meet the challenge of cutting many of today's modern materials, we offer a complete selection of Diamond Cutting Tools. Diamond should be used to cut fiberglass, carbon, ceramics, carbide, FRP, graphite, glass, and other non-ferrous, abrasion resistant materials. Diamond tools are not intended for use on tool steels or hardened carbon steels. All of our diamond products are industrial quality. We highly recommend the use of BoeLube Lubricant-Coolant when using our diamond tools.



DIAMOND TAPERED HONE/BURR

Perfect for removing material in a wide range of situations. The sharp point of this tool permits very precise material removal. 150 Grit Diamond coating. 1/4" chucking shank.

T32365B \$39.95



DIAMOND COATED DRILL BITS

Standard jobber length drills with a 100 grit diamond coating. These sizes are in stock for immediate delivery, all other sizes are available, please call for pricing.

Drill Size	Part Number	Price Each
1/16"	T31070A	\$25.95
1/8"	T31075A	\$27.95
3/16"	T31078A	\$29.95
1/4"	T31080A	\$32.95
3/8"	T31085A	\$37.95

These are our most popular diamond coated tools, additional items such as diamond coated countersinks are also available, please inquire.



Electroplated 40 Grit Diamond standard. Wrap of diamond material is 1/8" around edges of cutting surface.

Diameter	Thickness	Shank	Part Number	Price Each
1/2"	3/32"	1/4"	T300095	\$59.95
1"	3/32"	1/4"	T30095	\$68.95
2"	3/32"	3/8"	T30105	\$118.95
3"	3/32"	1/2"	T30115	\$157.95



FLUTED DIAMOND ROUTERS

Standard Electroplated 40 Grit Diamond. These sizes standard. other sizes available, call for pricing.

Diam	Cut Length	Overall Length	Part Number	Price Each
1/8"	1"	2"	T30145A	\$45.95
1/4"	1"	2-1/2"	T30155A	\$58.95



DIAMOND CORE DRILLS

Standard with 40 Grit electroplated diamond. Wrap of diamond material is 1/8" from edge of cutting surface. 3/8" chucking shank on all models except for 1", which has a 1/2" chucking shank. 4" overall length.

Diameter	Part Number	Price Each
1/2"	T30335A	\$94.95
9/16"	T30340A	\$103.95
5/8"	T30345A	\$112.95
3/4"	T30350A	\$119.95
7/8"	T30355A	\$125.95
1"	T30360A	\$143.95



TAPS / BONDING BRUSHES / RIVET TAPE

TAPS

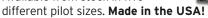
Our taps are industrial quality, intended for professional use, and made in the USA. Choose from Taper, Plug, or Bottoming styles. These are the most common sizes used in the aerospace industry all other sizes available.

Size	Taper Style Part Number	Plug Style Part Number	Bottoming Style Part Number	1-11 Pieces	12-71 Pieces	72 & Up
6-32	TT-6-32	PT-6-32	BT-6-32	\$4.19	\$3.88	\$3.49
8-32	TT-8-32	PT-8-32	BT-8-32	\$4.24	\$3.94	\$3.55
10-32	TT-10-32	PT-10-32	BT-10-32	\$4.29	\$3.99	\$3.60
1/4-20	TT-1/4-20	PT-1/4-20	BT-1/4-20	\$4.89	\$4.45	\$4.10
1/4-28	TT-1/4-28	PT-1/4-28	BT-1/4-28	\$4.74	\$4.29	\$3.99
5/16-18	TT-5/16-18	PT-5/16-18	BT-5/16-18	\$5.49	\$4.98	\$4.59
5/16-24	TT-5/16-24	PT-5/16-24	BT-5/16-24	\$5.49	\$4.98	\$4.59
3/8-16	TT-3/8-16	PT-3/8-16	BT-3/8-16	\$5.98	\$5.59	\$5.28
3/8-24	TT-3/8-24	PT-3/8-24	BT-3/8-24	\$5.98	\$5.59	\$5.28



PILOTED "BONDING" BRUSHES

Stainless steel brush used to remove paint, primer, and grime in order to ensure electrical continuity for bonding and grounding wires. Available from stock in five





Part Number	Pilot Size	1-4 Pieces	5-23 Pieces	24 & Up
PBB-3/32	3/32"	\$15.95	\$14.95	\$13.55
PBB-1/8	1/8"	\$15.95	\$14.95	\$13.55
PBB-5/32	5/32"	\$15.95	\$14.95	\$13.55
PBB-3/16	3/16"	\$15.95	\$14.95	\$13.55
PBB-1/4	1/4"	\$15.95	\$14.95	\$13.55

RIVET TAPE

Specifically designed for the aerospace industry, our rivet tape will save you time and aggravation by securely holding rivets in place until you are ready to install them. The center "window" is adhesive free and see-through. There is a very light and residue free adhesive on either side of the center window. Rivets are easily visible and will not come in contact with the adhesive. Once you shoot your rivets, simply remove the tape. Made in the USA!

Our competitors sell rivet tape in 36 yard rolls for more than we sell a 72 yard roll.



Part Number	Size	1-4 Rolls	5-11 Rolls	12 Rolls & Up
BAT-685-1	3/4" wide x 72 yds.	\$7.85	\$6.98	\$6.29
BAT-685-2	1" wide x 72 yds.	\$8.75	\$7.95	\$7.45

5 PIECE BONDING BRUSH SET 😅

Includes one each of all five sizes. Made in the USA!

PBB-SET \$64.95



SIOUX™ FORCE TOOLS



The Sioux™ "Force" line of tools was developed to fit the most demanding applications in today's maintenance environment. Most of the FORCE line is manufactured overseas to extremely high Sioux standards. "Force" tools offer significant value coupled with Sioux dependability. All Force tools come with the standard Sioux Tools one year warranty.

FORCE PENCIL DIE GRINDERS

Comes standard with a 1/8" collet to accommodate small grinding burrs and cutting bits. Features a twist throttle with a built in speed regulator. Great for precision grinding in tight areas. 60" no-twist hose and collet



wrenches included. Choose from two different models.

Model	RPM	Weight	Length	Price
5978A	54,000	.25 lb	5.3"	\$99.95
5979A	70,000	.25 lb	5.3"	\$129.95

FORCE DIE GRINDERS

These extremely powerful die grinders are manufactured with a lightweight composite housing, offering the lightest possible weight for operator comfort, Standard with a 1/4" collet.



Model	Style	RPM	Weight	Length	Price
5054A	Straight	22,000	1.3 lbs	6.5"	\$74.95
5055A	90°	20,000	1.1 lbs	5.5"	\$84.95

FORCE MINIATURE ANGLE GRINDER

New from SIOUX, this small grinder is only 6" long with a 1.7" head height. Operates at 70,000 RPM. Accepts 1/8" shank tooling and cutters. 4 foot leader hose and collet wrenches included.





FORCE "STUBBY" RATCHET WRENCHES

Choose from the mini 1/4" Drive or the 3/8" Drive. Features include a lightweight composite housing and a soft touch throttle control for smooth deliberate starts.

Model	Size	Free Speed	Weight	Length	Price
5009	1/4" Drive	265 RPM	1.3 lbs	6.6"	\$139.95
5007	3/8" Drive	265 RPM	1.3 lbs	6.6"	\$139.95

SIOUX™ ENGRAVING PEN

Perfect for permanently marking your tools with your name or other identifying mark. Carbide tip operates at 13,000



cycles per minute and will easily scribe metals, plastics, woods, or just about any other material. 5ft "no-twist" hose included. High quality stainless steel housing.

5980 \$79.95

FORCE 3/8" DRILL MOTOR -**REVERSIBLE**

Aluminum housing with ergonomic comfort grip. 1800 RPM, weighs 3lbs, 8" long. A nice, inexpensive reversible drill with the famous Sioux name.

5445R \$138.95





SIOUX™ SIGNATURE SERIES DIE GRINDERS

SIOUX™ AMERICAN MADE SIGNATURE SERIES DIE GRINDERS

Sioux[™] has never been known for their die grinders - sure, they have made high quality die grinders for many years, but they were never known as the die grinder of choice in the aerospace industry...well, that is about to change with the introduction of the **NEW** Sioux[™] Signature Series Die Grinders. **COMPLETELY REDESIGNED** with the aerospace industry in mind, these new die grinders feature the quality, power, and reliability that is demanded by the aircraft maintenance and repair industries. Choose straight or 90° models with .3 or .5 horse power motors.

FEATURES INCLUDE:

- Powerful 5 vane motor for maximum power and reliability
- Aluminum reinforced housing with ergonomic comfort grip
- Sensitive teasing throttle for superb control
- Grease zerk fitting in gear case for easy maintenance and gear lubrication
- Straight models feature heavy duty ball bearing construction for long tool life
- Heavy-duty double tapered 1/4" collet (wrenches included)
- 90° models feature DOUBLE BALL BEARING SUPPORT on the output spindle this is huge and one of the key features that allowed these die grinders to hold up under extreme testing in the composite shop of a major airline maintenance facility!





SIOUX™ .3 HORSE POWER STRAIGHT DIE GRINDER 😅

Weighs 1 lb, 6.25" long, rear exhaust. Made in the USA.

SDG03S25 25,000rpm \$224.95



SIOUX™ .5 HORSE POWER 90° DIE GRINDER 😅

Weighs 1.4lbs, 6.4" long, rear exhaust. Made in the USA.

SAG05S23 23,000rpm \$329.95



SIOUX™ .5 HORSE POWER STRAIGHT DIE GRINDER 🛒

Weighs 1.2 lbs, 7" long, rear exhaust. Made in the USA.

SDG05S23 23,000rpm \$234.95

SIOUX™ .5 HORSE POWER EXTENDED REACH DIE GRINDER

Perfect tool for grinding jobs when you need extra reach. Industry standard 1/4" collet. Powerful 1/2 horse power has a free speed of 23,000 rpm and packs plenty of punch for your toughest jobs. 11" overall length, weighs 2.1 lbs. Made in the USA.



SXG05S23 \$264.95





SIOUX™ DRILLS

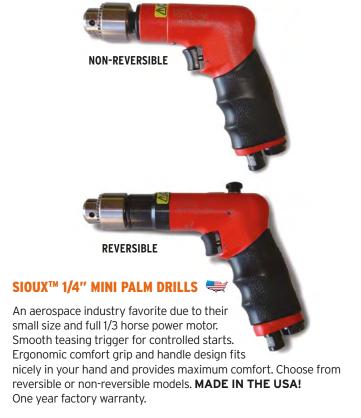


Check out our large selection and pricing of quality Sioux™
Air Tools and see why we are one of the largest distributors of
Sioux products in the world! Buy from us with confidence!



Model	Description	Price
1410-BRKC	2600 RPM Palm Drill with Keyless Chuck	\$298.95
1412-BRKC	3600 RPM Palm Drill with Keyless Chuck	\$298.95

and offer you the quality and dependability that is demanded in the



Model	Style	RPM	Weight	Length	Price
1410	Non-Reversible	2600	1.3 lbs	6.3"	\$234.95
1412	Non-Reversible	3600	1.3 lbs	6.3"	\$239.95
DR1416	Non-Reversible	6000	1.3 Lbs	6.3"	\$254.95
1410R	Reversible	2000	1.3 lbs	6.3"	\$273.95
1412R	Reversible	2600	1.3 lbs	6.3"	\$273.95



SIOUX™ STRAIGHT PALM DRILL **₩**

Straight "in-line" design is perfect for use where a typical pistol grip will not work. Powerful 1/3 horse power motor has a free speed of 2600 rpm. 1/4" capacity chuck. 8" long, weighs 1.2 lbs. **Made in the USA.**

1420 \$284.95



aerospace industry.

SIOUX™ SIGNATURE SERIES DRILL MOTORS

SIOUXTM Signature Series Drills have been designed with the specific needs of the aircraft industry in mind - offering extreme quality and accuracy. These aerospace production quality drills feature a guaranteed runout of less than .005" as measured 2-1/2" from the end of the chuck! And, with a 3 idler gear system for increased life and load capacity, you can count on the Sioux Signature Series Drills for your toughest, most critical jobs. Each model features a lightweight aluminum housing coupled with a molded over ergonomic comfort grip - making the Signature Series one of the most comfortable and user friendly drills on the market. SIOUXTM Signature Series Drills are made in the USA by Sioux Tools (a division of Snap-On®). Choose from a variety of chuck capacity and rpm configurations to suit your specific application.



Model	Speed	Length	Weight	Chuck Size	Price
SDR6P26N2	2600 RPM	6.9"	2.12 lbs	1/4"	\$188.95
SDR6P26N3	2600 RPM	7.4"	2.26 lbs	3/8"	\$189.95



Model	Speed	Length	Weight	Chuck Size	Price
SDR10P26N2	2600 RPM	7.6"	2.3 lbs	1/4"	\$192.95
SDR10P26N3	2600 RPM	8.1"	2.45 lbs	3/8"	\$192.95
SDR10P60N2	6000 RPM	7.6"	2.3 lbs	1/4"	\$218.95
SDR10P40N2	4000 RPM	7.6"	2.3 lbs	1/4"	\$218.95
SDR10P40N3	4000 RPM	8.1"	2.45 lbs	3/8"	\$218.95
SDR10P7N3	700 RPM	9.1"	2.88 lbs	3/8"	\$289.95
SDR10P7N4	700 RPM	9.6"	3.33 lbs	1/2"	\$289.95
SDR10P4N3	400 RPM	9.1"	2.88 lbs	3/8"	\$292.95
SDR10P4N4	400 RPM	9.6"	3.33 lbs	1/2"	\$298.95

NOTE: 1/2" Drill Motors include an optional stabilizing arm.



Model	Speed	Length	Weight	Chuck Size	Price
SDR10P20R3	2000 RPM	8.7"	2.56 lbs	3/8"	\$244.95
SDR10P25R3	2500 RPM	8.7"	2.56 lbs	3/8"	\$244.95
SDR10P7R3	700 RPM	9.7"	3.12 lbs	3/8"	\$329.95
SDR10P7R4	700 RPM	10.2"	3.57 lbs	1/2"	\$338.95
SDR10P3R4	300 RPM	10.2"	3.57 lbs	1/2"	\$339.95

NOTE: 1/2" Drill Motors include an optional stabilizing arm.



Model	Speed	Length	Weight	Chuck Size	Price
SDR10P26NK3	2600 RPM	8.7"	2.85 lbs	3/8"	\$284.95
SDR10P40NK3	4000 RPM	8.7"	2.85 lbs	3/8"	\$289.95
SDR10P7NK4	700 RPM	10.2"	3.55 lbs	1/2"	\$384.95
SDR10P4NK4	400 RPM	10.2"	3.55 lbs	1/2"	\$388.95

NOTE: 1/2" Drill Motors include an optional stabilizing arm.



For use in areas where a typical pistol grip drill will not work. 8.3" long, weighs 2.32 lbs. 3/8" capacity chuck and key included. 2600 rpm. **Made in the USA.**

SDR10S26N3 \$298.95



SIOUX™ THREADED DRILL MOTORS



SIOUX™ THREADED DRILL MOTORS

With a full 1/3 horse power motor, these threaded drills offer superior power for drilling operations in the tightest spaces. Accepts industry standard 1/4-28 threaded drill bits. Nice, teasing throttle for smooth starts. **Made in the USA!**

Model	Style	RPM	Weight	Length	Price
1AM1551	90°	2800	1.5 lbs	9.7"	\$439.95
1AM1541	45°	2800	1.5 lbs	10.2"	\$439.95



SIOUX™ SLOW 90° THREADED DRILL MOTOR - 800 RPM

This motor turns much slower than most models and is specifically designed for use with 3M™ "SR" Sealant Cutters (see page 121). Powerful 1/3 horse power motor turns at 800 rpm. Weighs 1.8 lbs, 11.5" overall length. Accepts industry standard 1/4-28 threaded drill bits and accessories. **Made in the USA by Sioux Tools.**

1AM1151SM \$579.95



SIOUX™ HEAVY DUTY HIGH SPEED 90° THREADED DRILL

With a full 3/4 horse power motor, this HEAVY DUTY Threaded Drill Motor gives you the extra power needed for tough drilling operations in the tightest spaces. Accepts industry standard 1/4-28 threaded drill bits & accessories. 5800 rpm - higher rpm is preferred for use with many newer composite materials. Weighs 2.7 lbs, 11.4" long. Made in the USA.

2A1410-AH \$589.95



SIOUX™ HEAVY DUTY LOW SPEED 90° THREADED DRILL

This HEAVY DUTY Threaded Drill has a free speed of 540 rpm which is perfect for drilling in many harder materials. Uses industry standard 1/4-28 threaded drill bits & accessories. 3/4 horse power motor. 12.8" long, weighs 3.1 lbs. Made in the USA.

2A1510-AH \$589.95





1/4-28 male threads allow you to install this handy chuck on to any brand of threaded drill motor with 1/4-28 female threads. Will chuck any standard drill bit or accessory up to 3/16" in diameter. 1.2" overall length (excluding threads). Very high quality import. Chuck key included.

BAT-TCK88 \$43.95



SIOUX™ RIVET SHAVERS / CLECO TOOL



1 horse power motor and operates at 21,000 rpm to make shaving rivets a breeze! The Signature Series ergonomic housing features a molded comfort grip and is designed for maximum operator comfort. 8-5/8" long, weighs just 2.7 lbs! Accepts industry standard 1/4-28 threaded rivet shaver bits. "Shaving" depth is adjustable in increments of .001" for precise shaving of the rivet head without damaging the aircraft skin. Made in the USA!

SRS10P21-8 \$394.95



power Signature Series motor turns at 21,000 rpm and packs the power needed to easily shave rivets. Accepts industry standard 1/4-28 threaded rivet shaver bits. Tool weighs 2.5 lbs and is 10" long. Micrometer style lock allows "shaving" depth adjustment in increments of .001" for precise control. Made in the USA!

SRS10S21-8-ST \$465.95



SSR6P-25 \$378.95



SIOUX™ 13 PIECE RIVET SHAVER KIT

A BrownTool exclusive design! This comprehensive kit contains everything you need to shave rivet heads with diameters up to 5/8"! Kit contains one model SRS10P21-8 SIOUX™ Rivet Shaver and six Interchangeable Skirts and six Carbide Tipped Rivet Shaver Bits in sizes 5/16", 3/8", 7/16", 1/2", 9/16", & 5/8". All 13 pieces come packaged in a heavy duty storage case with custom tool control foam for easy tool accountability. **Made in the USA!**

BAT-SRSK-13 \$689.95



New from Sioux! Cuts up to 18 gauge steel or up to .063" aluminum with a clean, distortion free cut. A 1/4" strip is removed by the cutting action. 10" long, weighs 2.9 lbs. Powered by a full 1 horse power Sioux Signature Series motor. Durable ergonomic grip for maximum comfort. Made in the USA!

SSH10P18 \$389.95



SIOUX™ SANDERS / RECIPROCATING SAW



SIOUX™ SIGNATURE SERIES JITTERBUG SANDER

This high quality tool features the ergonomic 24 position grip which ensures a comfortable fit for just about any hand size. 1/4 horse power motor operates at 10,000 rpm with a 3/32" orbit. Industry standard pad size of 3-3/4" x 4-1/4". Weighs 1.8 lbs, 3.5" tall.



SIOUX™ SIOUX-PER SWIVEL AIR REGULATOR

Rotates a full 360° on two axes - greatly reducing air hose tangling and aggravation! Dial adjustment regulates air flow.







in ergonomic comfort with the power of a 12,000 rpm state-of-the-art motor.

- The universal grip is completely adjustable and can be indexed in any one of 24 positions - allowing a perfect fit for any hand.
- The power lever has been redesigned to contour it to fit along the muscle at the base of the thumb - power is engaged when the hand is in a normal resting position.
- The rugged 12,000 rpm motor features dual vibration dampers and a one-piece precision machined counterbalance enabling the tool to deliver the power you need while significantly reducing vibration.
- Available in six different configurations you choose the pad size you need (either 5" or 6") and the orbit size (3/32"-fine, 3/16"-standard, or 3/8"-coarse)

Model	Pad Size	Orbital Diameter	Price
R02512-50FNP	5"	3/32" (Fine)	\$174.95
R02512-50SNP	5"	3/16" (Standard)	\$174.95
R02512-50CNP	5"	3/8" (Coarse)	\$174.95
R02512-60FNP	6"	3/32" (Fine)	\$174.95
R02512-60SNP	6"	3/16" (Standard)	\$174.95
R02512-60CNP	6"	3/8" (Coarse)	\$174.95



10,000 strokes per minute for fast smooth cutting. Blade guard is easily adjustable to control depth of cut. 11" long, weighs 1-1/4 lbs. Includes one blade. Extra blades are available.

5300A \$169.95

REPLACEMENT BLADES FOR RECIPROCATING SAW

Sold in packs of five. For use with our Sioux model 5300A as well as most other brands.



Part Number	Description	Price per Pack of 5
1823	Bi-Metal Blade, 18TPI	\$14.95
1824	Bi-Metal Blade, 24TPI	\$14.95
1825	Bi-Metal Blade, 32TPI	\$14.95



SIOUX™ SCREW GUNS / CLINCH-NUT GUNS





The Sioux Signature Series Screw Guns feature the latest in ergonomics with a lightweight aluminum housing and molded over comfort grip for superior operator comfort. Full 1 horse power motor offers the power needed to easily handle screw installation and removal. Spindle engages when operator exerts forward pressure - when fastener is tight, clutch will ratchet. Nice teasing throttle with conveniently located reverse button. Accepts industry standard 1/4" hex screwdriver insert bits. **Made in the USA!**

Model	Free Speed	Max. Torque	Weight	Length	Price
SSD10P25AC	2500 RPM	60 in lbs	2.76 lbs	8.4"	\$389.95
SSD10P20AC	2000 RPM	80 in lbs	2.76 lbs	8.4"	\$394.95
SSD10P7AC	700 RPM	140 in lbs	3.2 lbs	10.2"	\$424.95



SIOUX™ SIGNATURE SERIES SCREW GUN - STALL DRIVE

Designed with operator comfort, speed, and accuracy in mind. The lightweight aluminum housing and ergonomic comfort grip combined with the powerful 1 HP motor give you a Screw Gun that is both powerful and comfortable to use. Nice, teasing trigger and conveniently located reverse lever. Stall drive - final torque is reached when resistance of the fastener overcomes the torque output of the motor. Uses industry standard 1/4" hex insert bits. Made in the USA!

Model	Free Speed	Max. Torque	Weight	Length	Price
SSD10P12S	1200 RPM	145 in lbs	2.59 lbs	7.5"	\$349.95
SSD10P20S	2000 RPM	80 in lbs	2.16 lbs	6.5"	\$259.95



- Rapid reverse button allows fast release from the clinch nut after installation.
- Grease fittings in head enable easy lubrication of thrust bearing for reduced wear and extended life.
- Ergonomically designed housing provides maximum operator comfort and superb balance.
- Made in the USA by Sioux™ Tools!

aerospace industry, other sizes are available.

Model	Size	RPM	Max. Torque	Weight	Length	Price
SCN12R632S	6-32	1200	145 in lbs	3.2 lbs	11"	\$498.95
SCN12R832S	8-32	1200	145 in lbs	3.2 lbs	11"	\$498.95
SCN12R1032S	10-32	1200	145 in lbs	3.2 lbs	11"	\$498.95



SIOUX™ IMPACTING SCREW DRIVER

The **NEW** model ID375AP-2Q from Sioux is built on the well proven Signature Series motor platform and features the power needed to quickly and easily install or remove your toughest fasteners. Tool impacts at a rate of 5,000 blows per minute with a working torque range up to 55 ft lbs. Designed for durability, the impacting mechanism has been greatly improved over older versions – an oil seal has been added to the front to eliminate leaks and contamination and needle bearings have been placed throughout the mechanism to eliminate wear points and allow the tool to run much smoother than older designs. **Made in the USA by Sioux**TM **Tools (a division of Snap-On®)**.

- Quick Change adapter accepts industry standard 1/4" hex screw driver bits
- · 4,000 RPM free speed
- 8.5" long
- · Weighs 2.5 lbs
- Ergonomic handle design for maximum comfort
- · Easily reversible with slide lever
- MADE IN THE USA!

ID375AP-2Q \$289.95



SIOUX™ SIGNATURE SERIES ROUTERS



The Sioux™ Signature Series Routers were designed with a focus on maximum operator comfort and productivity. These fine routers feature a heavy-duty three piece double tapered collet and a powerful 1 horse power motor that offers both speed and accuracy. The contoured throttle lever with lock makes one handed operation effortless and the ergonomic composite handle with textured soft grip makes handling these tools truly comfortable. Choose the "Template Nose" style router and use with our large selection of template guides or select the "Base Nose" style router for a "freestyle" application. 25,000 RPM motor is perfect for aerospace work. Made in the USA!

3" BASE ROUTER

Designed for use as is without the addition of a template guide. Weighs 2.06 lbs, 9" long. 1/4" Collet. 25,000 RPM. **Made in the USA!**



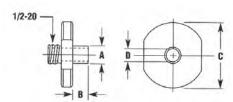
TEMPLATE NOSE ROUTER

Use with our assortment of optional template guides to suit a wide variety of applications. Weighs 2.06 lbs, 9" long. 1/4" Collet. 25.000 RPM. Made in the USA!



TEMPLATE GUIDES

1/2 -20" threads attach directly to our model SRT10S25N router.



NOTE: See our 1/4" Aircraft Taper Router Bits on page 56.

Part Number	(A) Pilot O.D.	(B) Pilot Length	(C) Flange O.D.	(D) Pilot I.D.	Price Each
68613-12	3/8"	1/4"	3/4"	9/32"	\$44.95
68613-14	3/8"	3/8"	3/4"	9/32"	\$44.95
68613-16	3/8"	1/2"	3/4"	9/32"	\$46.95
68613-22	3/8"	1/8"	1-1/2"	9/32"	\$49.95
68613-24	3/8"	1/4"	1-1/2"	9/32"	\$54.95
68613-26	3/8"	3/8"	1-1/2"	9/32"	\$49.95
68613-40	7/16"	1/4"	3/4"	21/64"	\$41.95
68613-42	7/16"	3/8"	3/4"	21/64"	\$41.95
68613-44	7/16"	1/2"	1-1/2"	21/64"	\$41.95
68613-48	7/16"	1/4"	1-1/2"	21/64"	\$49.95
68613-50	7/16"	3/8"	1-1/2"	21/64"	\$62.95
68613-52	7/16"	1/2"	1-1/2"	21/64"	\$49.95
68613-62	1/2"	1/4"	1-1/2"	11/32"	\$62.95
68613-64	1/2"	3/8"	1-1/2"	11/32"	\$49.95
68613-66	1/2"	1/2"	1-1/2"	11/32"	\$62.95
68613-72	1/2"	1/2"	2-1/2"	11/32"	\$49.95



CUTOFF WHEELS / KETT PANEL SAW / TAYLOR® ROUTERS



The PS-526 is a versatile saw that is light in weight and portable, making it perfect for use in the aircraft maintenance industry. Cuts mild steel up to 16 gauge or aluminum up to .250". Uses metal 1-3/4" or 2" diameter metal blades with a 7/16" arbor hole. Depth of cut is easily adjustable with use of the panel guard. Manufactured by KETT Tools, considered the leader in pneumatic saws. 11" long, weighs 4 lbs. Includes four blades to get you started - replacement blades are readily available.

PS-526 \$429.95

Replacement Blades for KETT® Panel Saw

7/16" arbor hole. For use with the KETT Model PS-526 or any panel saw with a 7/16" arbor.

Part Number	Diameter	No. of Teeth	1-11 Pieces	12 or More
BAT-157-33	1-3/4"	30	\$7.99	\$6.98
BAT-157-34	1-3/4"	44	\$7.99	\$6.98
BAT-157-36	1-3/4"	60	\$7.99	\$6.98
BAT-157-53	2"	30	\$8.75	\$7.69
BAT-157-54	2"	44	\$8.75	\$7.69
BAT-157-56	2"	60	\$8.75	\$7.69



TAYLOR® PNEUMATIC 1/2 HORSE POWER ROUTER

High quality Router is perfect for the aircraft industry - especially useful for aircraft interiors & composite work. Highly ergonomic housing for operator comfort. Production rated direct drive motor with no gears to wear. High quality import from Taiwan built to exacting Taylor® Pneumatic standards. This great tool offers high quality at a great value.

- 22,000 rpm motor 7-1/8" overall length, weighs just 1.85 lbs.
- Industry standard 1/4" collet Collet wrenches included
- 3-3/4" polished aluminum base Rear exhaust

T-8705R \$189.95

CUTOFF WHEELS

Our Resinoid Fiberglass reinforced cutoff wheels are extremely thin – only .035" – for smooth and precise cuts. Choose from three different diameters and select a 1/4" or 3/8" mandrel hole. Made in the USA!



Part Number	Diam	Hole Size	1-24 Pieces	25-74 Pieces	75 & Up
COW-2-1/4	2"	1/4"	\$1.19	\$1.04	\$.99
COW-2-3/8	2"	3/8"	\$1.19	\$1.04	\$.99
COW-3-1/4	3"	1/4"	\$1.49	\$1.18	\$1.04
COW-3-3/8	3"	3/8"	\$1.49	\$1.18	\$1.04
COW-4-1/4	4"	1/4"	\$1.74	\$1.37	\$1.23
COW-4-3/8	4"	3/8"	\$1.74	\$1.37	\$1.23

CUTOFF WHEEL HOLDER

Versatile 2-in-1 tool will hold Cutoff Wheels with either a 1/4" or 3/8" hole.

1/4" shank for use in most die grinders and pneumatic tools.

M61552 1-9 pieces \$7.95 each M61552 10 & up \$5.75 each



METAL CUTOFF WHEELS

Made in the USA!

All four blades feature a 1/4" arbor hole for use with many pneumatic panel saws or arbors.



Part Number	Blade Diam	No. of Teeth	1-5 Pieces	6-11 Pieces	12 & Up
BAT-157-24	1-1/2"	44	\$8.39	\$7.59	\$6.98
BAT-157-26	1-1/2"	60	\$8.39	\$7.59	\$6.98
BAT-157-44	2"	44	\$8.99	\$8.48	\$7.45
BAT-157-46	2"	60	\$8.99	\$8.48	\$7.45

TAYLOR® DRILLS



TAYLOR® MINI PALM DRILL WITH COMFORT GRIP

T-7888A \$134.95

One of our most popular drills and now standard with an ergonomic comfort grip. This small drill is now more comfortable than ever and at just 6" long and weighing only 1.25 lbs it will get into the tightest areas. Rear exhaust. 4500 RPM motor with a nice teasing trigger. Standard with a JACOBS 1/4" capacity chuck and key.

TAYLOR® HEAVY DUTY REVERSIBLE 3/8" DRILL The T-7768R is a true work horse with a 1/2 horse power motor! Weighs just 3 lbs, 7" long. Turns at 1,800 RPM. Easily reversible with the flip of a lever. Includes a heavy duty JACOBS 3/8" capacity chuck and key. High quality import.

TAYLOR® ECONOMY REVERSIBLE 3/8" DRILL

Easily reversible with the flip of a lever.
7" long, weighs 2 lbs.
Features a light weight aluminum handle. Complete with a 3/8" capacity JACOBS chuck and key.
High quality import.

T-7788R \$89.95

TAYLOR® ECONOMY REVERSIBLE 1/2" DRILL

This is the ideal drill for those jobs requiring lots of torque and slow speed. The T-7788HR includes a removable stabilizing handle. 8-3/4" long, weighs 3-1/2 lbs. 500 RPM. Convenient forward and reverse lever. Standard with a JACOBS 1/2" chuck and key. High quality import.

T-7788HR \$149.95

TAYLOR® ECONOMY 3/8" DRILL

T-7768R \$154.95

This economy drill is a high quality import and offers quality and value. A perfect drill for beginners or homebuilders. 7" long, weighs 2 lbs. Operates at 2,500 RPM. Standard with a JACOBS 3/8" capacity chuck and key.

T-7788 \$82.95



TAYLOR® 3/8" REVERSIBLE ANGLE DRILL

This 1/2 horse power drill is perfect for working in confined areas. Reverses at the touch of a button. 8-1/4" long, weighs only 2 lbs. Variable speed, turns at 1,400 RPM. Rear exhaust. Complete with a JACOBS 3/8" capacity chuck and key. High quality import.

T-7787R \$154.95

TAYLOR® MINI PALM DRILLS / THREADED DRILLS

TAYLOR® 1/4" MINI PALM DRILL WITH HI-PRECISION CHUCK

Brand new sleek design with ergonomic comfort grip and a very high quality 1/4" capacity Hi-Precision Chuck & Key. 2700 rpm. Weighs only 1.54 lbs and only 6.38" long! Full 1/3 horse power. This is a very high quality import drill with a nice teasing trigger.

T-9888SPC \$149.95



have added a VERY HIGH QUALITY 1/4" capacity all metal precision keyless chuck! Weighs 1.95 lbs. 7" overall length.

T-9888MK \$178.95





Great for getting into tough areas! The angle head can be rotated and locked a full 360°. Housing is milled from solid stock. Grease fittings in head and body permit you to easily lubricate the tool and prolong gear life. Uses industry standard 1/4-28 threaded drill bits. 2800 rpm, 10.8" long, weighs just 1.98 lbs. High quality import.

T-9753 \$369.95

TAYLOR® THREADED DRILLS

Taylor Threaded Drills are super small yet super powerful! Designed to accept industry standard 1/4-28 threaded drill bits. Operates at 2800 RPM. Rear exhaust. Weighs only 1.6 lbs, only 9-3/4" long. High quality import. Choose 90 or 45 degree model.





Another great threaded drill designed to access tough areas. Uses industry standard 1/4-28 threaded drill bits. "Pancake" head is 3" long, 3/8" thick, and 7/8" wide. 2800 rpm. 10.25" long, weighs 1.9 lbs. High quality import.

T-9754 \$369.95

TAYLOR® EXTENDED REACH 90° THREADED DRILL

This Threaded Drill is designed to provide access to hard to reach areas. With an overall length of 13-1/4", this tool will get into areas where standard length Threaded Drill Motors will not. Accepts industry standard 1/4-28 threaded drill bits. 2800 RPM. Weighs 1.8 lbs. High quality import.



THREADED MINI-CHUCK WITH CHUCK KEY



1/4-28 male threads allow you to install this handy chuck on to any brand of threaded drill motor with 1/4-28 female threads. Will chuck any standard drill bit or accessory up to 3/16" in diameter. 1.2" overall length (excluding threads). Very high quality import. Chuck key included.

BAT-TCK88 \$43.95



TAYLOR® TOOLS

TAYLOR® PNEUMATIC SCREW GUN

1800 RPM, 7" long, weighs 2-1/2 lbs.
Includes a quick-change bit holder for use with standard 1/4" hex screwdriver bits. Rated at 45-115 in lbs.
Adjustable clutch motor. Easily reversible for installing or removing screws. High quality import.

T-7763 \$164.95

TAYLOR® EXTERNALLY ADJUSTABLE SCREW GUN

This heavy duty Screw
Gun features the
very useful ability
to change torque
externally by simply turning the dial on the
head of the tool. Torque range of 45 -145 in lbs.
Accepts industry standard 1/4" hex screwdriver bits.
9" long, weighs 2-1/2 lbs. Heavy duty 1/2 horse
power motor turns at 800 RPM. High quality import.





TAYLOR® 1/4" DRIVE MINI AIR RATCHET

Only 6-1/2" long, the T-7825 features a grease fitting in the head for easy lubrication and long gear life. 30 ft lbs. maximum torque. Weighs only 1-1/8 lbs. High quality import.

T-7825 \$109.95







This tool is perfectly suited for cutting circles and contoured shapes. Makes a 7/32" wide cut as it operates. Weighs 2.2 lbs, only 7" long. Heavy duty 1/2 horse power motor provides plenty of cutting power. Head is adjustable a full 360 degrees for ease of use. High quality import.

T-7711 \$124.95



Great for use on steel, aluminum, wood, or many other materials. Perfect for use in corners and on irregular shapes. Uses 3/8" x 13" sanding belts. 16,000 RPM with a full 1/3 horse power motor. 11" long, weighs 1.7 lbs. Includes two belts, extra belts are available. High quality import.

T-7010A \$154.95

REPLACEMENT BELTS FOR T-7010A BELT SANDER

BAT-SB-80 80 Grit \$1.95 each BAT-SB-120 120 Grit \$1.95 each BAT-SB-180 180 Grit \$1.95 each

TAYLOR® PALM GRIP DA SANDER

A great finishing sander. Smooth and quiet with a fast cutting action. Light and powerful, weighs only 2 lbs. 10,000 rpm. 3/16" orbit. Choose 5" or 6" pad size.High quality import.

T-7555 5" Sander \$139.95 T-7556 6" Sander \$139.95





TAYLOR® TOOLS





T-7702 cuts straight or curved patterns. Can cut aluminum, mild steel, plastic and fiberglass with ease. Comes with two blades (24 & 32 TPI), extra blades are available. Operates at 10,000 strokes per minute. Weighs 1-3/8 lbs, 7-1/8" long. Depth of cut is adjustable with use of built in guard. High quality import.

T-7702 \$128.95

REPLACEMENT BLADES FOR OUR T-7702

Also works with most other brands of Recip. Saws. Sold in packages of 10. Choose from three different teeth pitches.

T-770218 18 Teeth per Inch \$19.85 pack of 10
T-770224 24 Teeth per Inch \$19.85 pack of 10
T-770232 32 Teeth per Inch \$19.85 pack of 10

REPLACEMENT DIE GRINDER COLLETS

Fits our TAYLOR® Die Grinders as well as most other brands. Choose 1/8" or 1/4".

TAY-1/8 1/8" Collet \$11.85 TAY-1/4 1/4" Collet \$11.85



TAYLOR® PENCIL DIE GRINDER

This 54,000 RPM tool is perfect for precision grinding. Weighs only 3-3/4 oz and is only 5-1/2" long! Standard with a 1/8" collet for use with smaller grinding wheels and carbide burrs. 4 ft "no-twist" hose and collet wrenches included. High quality import.

T-7401 \$149.95



TAYLOR® STRAIGHT DIE GRINDER

25,000 RPM, weighs just under 1 lb. Standard with a 1/4" collet. Collet wrenches included. Rear exhaust. High quality import.

T-7758R \$59.95

TAYLOR® 90° DIE GRINDER

This powerful die grinder features a rear exhaust and turns at 25,000 RPM. 5-5/8" long, weighs only 1 lb.

Standard with a 1/4" collet. Collet wrenches are included. High quality import.

T-7759R \$87.95

The .45 horse power motor of this heavy duty Die Grinder offers the extra power needed for tough sanding and grinding jobs. 7" long, weighs 1.65 lbs. Turns at 18,000 RPM. 1/4" collet is standard. Collet wrenches included. High quality import.

T-8859R \$138.95

TAYLOR® HEAVY DUTY 90° DIE GRINDER



Heavy Duty Die Grinder is a full 1/2 Horse Power – able to handle the toughest jobs. With an overall length of 13-1/4", this tool allows you to get deep into areas that conventional grinders could not reach. 1/4" Collet. 25,000 RPM, weighs 2-3/5 lbs. Rear exhaust. Collet wrenches included. High quality import.

T-7757RE \$129.95



CHICAGO PNEUMATIC™ DRILLS

We are a master distributor for Chicago Pneumatic[™] and in addition to the tools shown on these pages we can special order any of the hundreds of tools offered by Chicago Pneumatic.



CHICAGO PNEUMATIC™ 3/8" DRILL MOTOR Economy drill for general purpose drilling. Ergonomic design with soft grip for operator comfort. 6.5" long, weighs 2.4 lbs. 2900 rpm. Complete with Jacobs 3/8" capacity chuck and key. High quality import built to exacting CP standards. CP9285 \$139.95

CHICAGO PNEUMATIC™ 1 HORSE POWER DRILL MOTOR WITH 3/8" CHUCK

This is a HEAVY DUTY Drill with a full one horse power motor! 9-1/4" long, weighs 2.4 lbs.

Extremely sensitive teasing trigger for smooth controlled starts. Housing is ergonomically designed with a composite grip. Made in the United Kingdom. This is a very high quality, top of the line tool intended for heavy duty use by professionals. Includes a stabilizing arm and chuck guard.

DR750-P2700-C10 \$798.95

CHICAGO PNEUMATIC™ REVERSIBLE 3/8" DRILL MOTOR

Similar to model CP9285 with addition of reversing feature. 6-1/2" long, weighs 3 lbs. 2000 rpm. High quality import.

CP9790 \$164.95

eature. 6-1/2" om. High quality

CHICAGO PNEUMATIC™ MINI PALM DRILLS

These nice economy drills are great for general drilling.
Super small size and soft ergonomic grip provide superior operator comfort. Only 5" long, weighs only 1.35 lbs.
Free speed of 2800 rpm. Comes complete with Jacobs 1/4" capacity chuck and key. Choose from reversible or non-reversible model. High quality import built to exacting Chicago Pneumatic standards.

CP7300R Reversible Drill \$149.95

CP7300 Non-Reversible Drill \$139.95

CHICAGO PNEUMATIC™ 1/2" DRILL MOTOR

1/2" capacity drill features low speed and high torque for your toughest jobs. 7" long, weighs 4lbs. 600 rpm. Includes removable stabilizing arm and ergonomic comfort grip. High quality import.

CP9286 \$229.95





CHICAGO PNEUMATIC™ THREADED DRILLS



CHICAGO PNEUMATIC™ COMPACT 90° THREADED DRILL

Latest design from CP features the brand new ergonomic body with comfort grip. Powerful .4 horse power motor with a free speed of 3000 rpm. Accepts industry standard 1/4-28 threaded drill bits. Only 10" long, weighs just 1.36 lbs. Head height of just 1.22" for access to the tightest areas. Very high quality tool designed for industrial use.

DR300-T3000-S5-90 \$1049.95



CHICAGO PNEUMATIC™ COMPACT 30° THREADED DRILL

High quality drill designed for professional use. Features the latest ergonomic body design complete with soft grip for superior operator comfort. Powerful .4 horse power has a free speed of 3000 rpm. Use with industry standard 1/4-28 threaded drill bits. Only 10.47" long, weighs just 1.36 lbs. Head height of 1.02" for easy access to tight areas.





CHICAGO PNEUMATIC™ COMPACT 360° THREADED DRILL

Same great ergonomic handle design and .4 horse power motor as the 90° and 30° models. Versatile 360° head allows you to drill in areas that would be inaccessible otherwise. Only 10.55" long, weighs just 1.54 lbs! Head height measures 2.64" for the long end and the actual head is just 1.22" long. Accepts industry standard 1/4-28 threaded drill bits. 3000 rpm.

DR300-T3000-S5-360 \$1298.95



CHICAGO PNEUMATIC™ DIE GRINDERS





One of our very best Die Grinders! The HEAVY DUTY gears in the head of this tool are unlike any other tool on the market and are specifically designed to hold up under the toughest conditions. Full 1/2 horse power motor spins at 20,000 RPM and offers the power needed to handle the most difficult jobs. 1/4" Collet is standard. Weighs 1.13 lbs, 6-1/2" long. This is a top of the line Die Grinder, that will provide years of dependable use. Collet wrenches included.

KA320-9 \$569.95



CHICAGO PNEUMATIC™ STRAIGHT DIE GRINDER

Another HEAVY DUTY Die Grinder from CP! Full 1/2 horse power motor operates at 20,000 RPM and handles the toughest jobs. Weighs .84 lbs, 6.61" long. Standard with a 1/4" collet. Collet wrenches included.

KC320-9 \$449.95



A great economy die grinder with the famous Chicago Pneumatic name. 22,500 rpm, 4.8" long, weighs only 1 lb. Industry standard 1/4" collet. Wrenches included. High quality import.

CP875 \$87.95



CHICAGO PNEUMATIC™ STRAIGHT DIE GRINDER

Don't let the small size of this tool fool you, it packs a full .3 horse power motor and turns at 30,000 rpm! Only 4.75" long, with a weight of just 3/4 lb. Industry standard 1/4" collet, wrenches included. High quality import.

CP876 \$82.95

CHICAGO PNEUMATIC™ ENGRAVING PEN

Compact design allows you to use like a common pen to permanently scribe your tools or parts. Carbide tip operates at 32,000 cycles per minute! Includes 5ft leader hose. Weighs only 1/4 lb! Only 5.8" long. Nice quality import.

CP9160 \$149.95







WE ARE PROUD TO ADD HIGH QUALITY JIFFY® AIR TOOLS TO OUR CATALOG. JIFFY® is a family owned business and has been manufacturing air tools almost exclusively for the aerospace manufacturing industry since 1949. Up until now, JIFFY® products have not been easily available to the aircraft maintenance industry, but with the addition of these superb tools to our catalog and our inventory, that has changed. Now you can own the same JIFFY® tools used in many of the world's aircraft assembly plants.

JIFFY® AIR TOOLS ARE NOT CHEAP IN PRICE OR QUALITY THEY COST MORE, BUT YOU GET MORE!

The JIFFY® factory is committed to using only the best materials available. All gears in JIFFY® Threaded Attachments are manufactured from a state-of-the-art C-350 high nickel alloy tool steel this superb alloy has a higher shear strength and superior wear resistance when compared to gears manufactured from less expensive alloys. JIFFY® manufactures and assembles each and every tool they sell in the USA at their Carson City, Nevada manufacturing facility. JIFFY® Air Tools are built to production standards and you can count on their high quality tools for your most critical jobs.

JIFFY® PALM DRILL

The "gold standard" in the aircraft industry and now available from Brown Tool. The Jiffy® Palm Drill is completely **made in the USA** and in our opinion is one of the highest quality drill motors available on the market today.

- 2800 RPM
- 1/4" JACOBS Chuck & Key
- Rubber Key Leash Included
- Powerful .3 Horse Power Motor
- 5-1/4" Long, Weighs Only 1-1/2 Lbs
- Ergonomic Housing with Comfort Grip Wrap for Operator Comfort
- EXCELLENT Teasing Trigger
- Includes Removable Chuck Guard
- Made in the USA!

JAT15079 \$539.95





JIFFY® MODULAR THREADED DRILL SYSTEM

The JIFFY® Modular Drill System is one of the most advanced modular systems available today and has been specifically designed to address the challenging drilling needs of the aircraft assembly and maintenance environments. Each attachment and motor is completely interchangeable with other JIFFY® attachments and motors in the same series and the mating process is designed to be accomplished in just a few seconds. You can literally change attachments on the motor in under 10 seconds - and the process is fail proof- the attachment perfectly aligns itself to the motor and ensures a perfect mating each and every time!

The beauty of the JIFFY® system is that you can buy components as you need them and expand your collection. Start with one motor and one attachment and then add additional attachments as you need them or as your budget allows.



JIFFY® ERGOMAX MOTORS 3/4 HORSE POWER!

This is the most common motor and has more than enough power for most jobs. Anti-vibration wrapped housing for superior ergonomic comfort. Choose from 3000 or 6000 rpm motor. Just 6.87" long, weighs 1.25 lbs. **Made in the USA!**

Model	RPM	Price Each
JAT17639	3000	\$524.95
JAT17662	6000	\$598.95



JIFFY® HEAVY DUTY ERGOMAX MOTOR 1-1/2 HORSE POWER!

Our most robust and powerful motor - this is the motor to use when you need to drill larger holes in tough materials. We recommend using the Heavy Duty 90° attachment (JAT17277A) with this motor for a complete assembly designed for heavy duty use. Anti-vibration wrapped housing for superior ergonomic comfort. Weighs 2.25 lbs, 8.16" long. Made in the USA!

JAT17474 \$729.95



JIFFY® MODULAR THREADED DRILL MOTORS

JIFFY® 1/4-28 THREADED DRILL ATTACHMENTS

Use with any of the JIFFY® motors shown in this section. Built to the highest aerospace production standards with gears manufactured from C-350 high nickel alloy tool steel for durability. Choose from several different configurations to suit your application. Made in the USA!

JIFFY® STANDARD 90° ATTACHMENT

The most popular attachment. Industry standard 1/4-28 threads. 3.55" long, head height is only 1.049". Head measures just .724"

across! Made in the USA!

JAT14977A \$408.95 💓



JIFFY® LOW PROFILE 90° ATTACHMENT

Use this attachment to get into even tighter areas. The head height is only .850" - one of the lowest profile heads available in the industry! Head measures just .724" across. 3.55" length. Industry standard 1/4-28

threads. Made in the USA!

JAT16500A \$398.95



JIFFY® HEAVY DUTY 90° ATTACHMENT

Beefed up gears for your toughest jobs - perfect for drilling larger holes in exotic materials. 1.07" head height. 3.8" long. Industry standard 1/4-28 threads.

Made in the USA!

JAT18107A \$489.95



JIFFY® 45°ATTACHMENT

The second most popular head - 45° angle is perfect for many applications. 4.11" long, head height is .957" from the tip of the head to the bend. Industry standard 1/4-28 threads. **Made in**

the USA!

JAT14988A \$389.95 🚐



JIFFY® 360° ATTACHMENT

Also known as a 90 x 90 attachment. Attachment is adjustable at both "necks" a full 360° - giving you drilling access to some of the hardest to reach areas. 3.55" long. Industry standard 1/4-28 threads.

Made in the USA!

JAT15000A \$574.95 💓



SPECIAL JIFFY® MODULAR THREADED DRILL SYSTEM INTRODUCTORY PACKAGES

Normally, each component in the JIFFY® Modular Drill System is sold separately, you buy the motor and you buy the attachment you need to go with it. But, by special arrangement with the factory, we are offering two "get started" packages which include a motor and attachment at a discounted price - you can then add additional attachments to your collection as you need them.



STANDARD 90° THREADED DRILL ASSEMBLY

Includes 3/4 horse power, 3000 rpm motor (model JAT17639) and standard 90° attachment (model JAT14977A). If you purchased these two components separately, you would pay over \$933 - take advantage of this "get started" offer and pay only \$829.95 - you save over \$100!

14977A-17639 \$829.95



HEAVY DUTY 90° THREADED DRILL ASSEMBLY

Includes the HEAVY DUTY 1-1/2 horse power, 3000 rpm motor (model JAT17474) and HEAVY DUTY 90° attachment (model JAT18107A). If you purchased these two items separately, you would pay over \$1219 - take advantage of this "get started" offer and pay only \$1089.95 - you save over \$129!

18107A-17474 \$1089.95



DOTGO®



DOTCO® THREADED DRILL MOTORS

A favorite in the aerospace industry! These small yet powerful threaded drill motors from DOTCO feature a full .4 horse power rear exhaust motor. 3300 rpm. Accepts industry standard 1/4-28 threaded drill bits and accessories. Choose 45 or 90 degree model. Made in the USA!

Model	Style	Length	Weight	Price
15LF283-62	90°	10.7"	1.6lbs	\$739.95
15LF283-42	45°	10.9"	1.6lbs	\$759.95

DOTCO® 1/4" MINI PALM DRILL

Extremely small for operator comfort, yet



Made in the USA!

Model	RPM	Price
14CFS93-38	3200	\$399.95
14CFS91-38	5200	\$429.95



DOTCO® 3/8" DRILL MOTORS

The high quality DOTCO 3/8" Drills feature a .9 horse power motor for your toughest drilling jobs. Housing features ergonomically integrated finger and thumb guides for extreme comfort and drill control. Includes a 3/8" capacity industrial grade JACOBS chuck and key. Choose the RPM model that suits your application. Made in the USA!

Model	RPM	Length	Weight	Price
14CNL98-38	6000	6.8"	2.2 lbs	\$659.95
14CNL92-51	3200	7.2"	2.4 lbs	\$639.95

DOTCO® ULTRA-PRECISE RIVET SHAVER

Adjustable in increments of .0005"! Most rivet shavers on the market are adjustable in increments of .001". the DOTCO model



14CFS60-95 \$859.95

DOTCO® AIR TOOL GREASE GUN & GEAR GREASE

Keep your tools in excellent condition by regularly greasing the gears. DOTCO Grease tubes thread directly onto the DOTCO Grease Gun for easy use. Choose the lighter weight grease (45-0980) for angle gears found in die grinders and threaded drill motors or choose the heavier weight grease (45-0983) for use in planetary gears found inside die grinders and drills. Made i

drills. Made in the USA!	No control of the con
Description	Price Each
Grease Gun Only	\$19.85
2 oz Tube of Light Weight Grease	\$7.95
2 oz Tube of Heavy Weight Grease	\$7.95



Part Number

45-1982

45-0980

45-0983

DOTCO® 90° DIE GRINDER - NEW IMPROVED DESIGN!



The 12L series die grinders have been improved and now have more power in the same size housing. Now a full .4 horse power! Choose 12,000 rpm or 20,000 rpm model. Industry standard 1/4" collet. Rear exhaust. 6.6" long, weighs 1.1 lbs. Collet wrenches included. **Made in the USA!**

Model	RPM	Price
12LF281-36	20,000	\$529.95
12LF280-36	12,000	\$534.95



A true workhorse! Turns at 25,000 RPM, standard with a 1/4" collet. Rear exhaust. 6.9" long, weighs 1.4 lbs. Includes a tube of DOTCO Grease and collet wrenches.

Made in the USA!

12L2080-01 \$439.95



Adjustable depth control makes using this high quality Panel Saw simple. Uses 2" diameter saw blades with a 1/4" arbor hole (replacement blades available on page 91 of this catalog). Rated at 12,000 RPM. Weighs 1.3 lbs, 7.1" long. Maximum depth of cut is 7/16". **Made in the USA!**

12S1282-02 \$619.95



This small, lightweight pencil grinder features a .1 horse power motor and is perfectly balanced for precision use. Industry standard 1/8" collet. Operates at 60,000 rpm. Rear exhaust. 5.8" long, weighs only .3 lbs! **Made in the USA!**

12R0410-18 \$439.95

DOTCO® BELT SANDER

The model 12L2384-B1 is a very high quality belt sander built to handle the tough sanding tasks found in the aircraft industry. Extremely powerful 1/2 horse power motor operates at a free speed of 20,000 rpm. 15" long, weighs 2-1/2 lbs. Soft touch feathering throttle for precise speed control. Head is adjustable a full 360° - enabling access to hard-to-reach areas. Uses 5/8" x 18" industry standard sanding belts. Ships with two belts to get you started - extra belts available, see below.

Made in the USA!



Model	Description	Price
12L2384-B1	DOTCO Belt Sander	\$589.95
SB18-80	80 Grit Belt	\$4.95
SB18-120	120 Grit Belt	\$4.95
SB18-180	180 Grit Belt	\$4.95

DRILL CHUCKS / ACCESSORIES



RÖHM KEYLESS CHUCKS - THE BEST IN THE BUSINESS!

For over 90 years, RÖHM has been recognized as the leader in chucking tools and their Keyless Chucks are considered the best in industry. Manufactured in Germany to precision standards, jaws and bodies are hardened and ground for long life. All metal construction offers greater clamping force. Choose 1/4", 3/8" or 1/2" capacity for use on any drill with an industry standard 3/8-24 threaded spindle. (Can be used with most of the SIOUX™, Chicago Pneumatic[™], DOTCO[®], Taylor, & JIFFY[®] drills shown in this catalog as well as any brand with a standard 3/8-24 mounting spindle.)

RKC-20147 1/4" Capacity Keyless Chuck \$69.95 RKC-23929 3/8" Capacity Keyless Chuck \$71.95 RKC-871049 1/2" Capacity Keyless Chuck \$89.95



JACOBS™ INDUSTRIAL DRILL CHUCKS

Jacobs Industrial Chucks are made in the USA and are designed for years of dependable use. All three models easily mount to industry standard 3/8-24 spindles. Chuck Key included with each Chuck.

Item No	Description	Price
7BA	1/4" Capacity, includes Chuck Key K-7	\$45.95
1B	1/4" Capacity, includes Chuck Key K-1-KEY	\$43.95
41BA	3/8" Capacity, includes Chuck Key K-30	\$48.95
K-7	Chuck Key Only	\$4.95
K-1-KEY	Chuck Key Only	\$4.95
K-30	Chuck Key Only	\$4.95

JACOBS™ 3/8" CAPACITY KEYLESS CHUCK

Get rid of your chuck key forever! Economy model, fits any drill with an industry standard 3/8-24 threaded spindle. Metal jaws with a plastic housing.

T-7788KC \$22.95





"CHUCKING SPUD" DRILL EXTENSIONS 🔙



Used to chuck threaded drill bits and countersinks into a regular drill chuck. 1/4" shank on one end; 1/4-28 female threads on the other. Choose 2", 4", 6" or 8" overall length. Made in the USA!

Part Number	Size	Price Each
CS247	2"	\$5.95
CS248	4"	\$6.95
CS249	6"	\$7.95
CS250	8"	\$8.95
CS-SET	Set of all 4	\$22.95

THREADED "MINI-CHUCK" -1/4" CAPACITY



Allows you to chuck anything up to a 1/4" in diameter to your threaded drill motor. 1/4-28 threads.

3589 \$29.95

THREADED MINI-CHUCK WITH **CHUCK KEY**



1/4-28 male threads allow you to install this handy chuck on to any brand of threaded drill motor with 1/4-28 female threads. Will chuck any standard drill bit or accessory up to 3/16" in diameter. 1.2" overall length (excluding threads). Very high quality import. Chuck key included.

BAT-TCK88 \$43.95



AIR TOOL REGULATORS / ACCESSORIES

AUTOMATIC OILER

Fill with air tool oil and your tools will automatically be protected with a constant flow of lubricant.





BRASS AIR REGULATOR

Simple design permits easy air flow adjustment at the turn of a dial. Solid brass construction.

203 \$7.45



PNEUMATIC AIR TOOL OIL

Specially formulated lightweight, non-detergent lubricant for pneumatic tools. Daily use will prolong air tool life and result in optimum performance. 4oz "drop-at-a-time" dispensing bottle.

ATO-4 \$3.95



SWIVEL AIR REGULATOR

Allows for easy air flow adjustment by simply turning a dial. Swivel feature cuts down on tangled air hoses and improves operator comfort.

7922R \$14.95



NOTE: Because of shipping regulations, we are only able to ship this item by ground within the USA. We cannot ship this item outside of the USA or by air.

1/4" NPT MALE AIR FITTING

Industry standard air fitting fits most air tools.

\$727 \$1.65



Spring Loaded Air Regulator

CP style regulator features a numbered dial for easy air flow adjustment. Solid brass construction.

BAT-AR12 \$11.95



1/4" NPT FEMALE AIR FITTING

Industry standard female air fitting.

S728 \$1.65



BEEHIVE RETAINING SPRING

Use to retain most cupped rivet sets in .401 shank rivet guns. Will not work with flush rivet sets.

BRS-T For Taylor & CP .401 Shank Rivet Guns \$5.95 BRS-S For SIOUX .401 Shank Rivet Guns \$9.85



SIOUX™ SIOUX-PER SWIVEL AIR REGULATO

Rotates a full 360° on two axes greatly reducing air hose tangling and aggravation! Dial adjustment regulates air flow.

1338FC-25 \$23.95



"QUICK CHANGE" SPRING

Allows you to easily change rivet sets without having to remove the spring from your rivet gun. Works equally well with cupped and flush rivet sets.

69Q For Taylor & CP .401 Shank Rivet Guns \$5.95 69QS For SIOUX .401 Shank Rivet Guns \$5.95



GAGE BILT POWERMAX RIVETERS

THE INDUSTRY STANDARD TOOL FOR INSTALLING 1/8", 5/32" & 3/16" CHERRYMAX® FASTENERS



POWERMAX RIVETER



POWERMAX SPLIT RIVETER



This tool is our standard GB704 power unit, but it features a 3 foot hose (8 foot hose also available) between the power unit



All of the Pulling Heads and Extensions on this page are designed for use on the GB704 or original CherryMAX® model G704B. Made in the USA!

RIGHT ANGLE PULLING HEAD 😅



STRAIGHT PULLING HEAD

456MAX-701-17 \$158.95

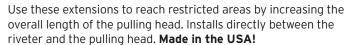


OFFSET PULLING HEAD





PULLING HEAD EXTENSIONS



704002 2" \$208.95 704004 4" \$248.95

704004 4" \$248.95 704006 6" \$294.95





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TOLL FREE 800.587.3883 LOCAL 405.688.6888 FAX 405.688.6555 E-MAIL information@browntool.com



STANDARD INSTALLATION KIT WITH STRAIGHT PULLING HEAD

Includes a GB704 PowerMAX Riveter, 456MAX-701-17 Straight Pulling Head, Stem Deflector, Stem Catcher Bag, Grip Gage for CherryMAX®, GBP704513 Air Bleeder Bottle and a Fitted Tool Box. This kit contains everything you need to easily install 1/8", 5/32" & 3/16" CherryMAX® fasteners. **Made in the USA!**



GAGE BILT POWERMAX INSTALLATION KITS FOR CHERRYMAX® RIVETS

DELUXE INSTALLATION KIT WITH STRAIGHT, OFFSET & RIGHT ANGLE PULLING HEADS!

Contains all of the items in our standard kit with the addition of one model 456MAX-704-430S Offset Pulling Head and one model 456MAX-753A-54 Right-Angle Pulling Head. You get all three pull-

ing heads and all accessories in one comprehensive kit, allowing you to install 1/8", 5/32" & 3/16" CherryMAX® fasteners in just about any situation.

GB704RK-1 \$1939.95



ACCESSORIES FOR GAGE BILT POWER RIVETERS

AIR BLEEDER 😅

Periodic maintenance is required on all precision tools to maintain optimum efficiency. It is necessary to keep the hydraulic systems of GBP tools full of fluid and free of air. Using the GBP704513 quickly and easily removes air from the tool's hydraulic system and assures filling of fluid. Within minutes, your blind riveter will be operating at peak efficiency. Can be used with GBP or any other brand of riveter. Complete instructions included.

GBP704513 \$128.95

STEM CATCHER BAG

Prevent F.O.D. (Foreign Object Damage) Install this stem catcher bag on the rear of your riveter to catch

rivet stems. Install easily with Velcro strap. Empties easily through zippered pouch. Made in the USA!

Made in the USA:

GBP704214 \$29.95



FLEXIBLE PINTAIL DEFLECTOR

It is imperative that you always use a pintail deflector when operating any blind fastener tool. Easily installed, simply slide into place. **Made in the USA!**

GBP200232 \$25.85



CHERRYMAX® GRIP GAGE 🧺

A must have when installing CherryMAX® Rivets. Slide rule feature easily enables you to determine the proper grip length needed.

269C3 \$10.95



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BLIND RIVET INSTALLATION TOOLS





Our GB752 installs a wide range of blind aerospace fasteners including:

- 1/8", 5/32", 3/16" and 1/4" CherryMAX® Rivets! (Competitive tools can only install up to 3/16" - the GB752 easily installs up to 1/4"!)
- Blind Bolts up to 3/16" in diameter!
- Single Action Blind Rivets up to 1/4" in diameter!

No longer do you need to buy two or three expensive OEM tools to install all of these fasteners now you can buy just one tool and install a wide range of the most popular blind fasteners used in the aviation industry today!

Features include an ergonomic air trigger with no mechanical linkages subject to failure, a flexible pintail deflector for extra clearance in tight areas, and a side mounted swivel air fitting for ease of use and operator comfort. The GB752 weighs only 4.7 lbs and has a rated pull of 3,800 lbs! A wide variety of pulling heads are available in straight, offset, and right angle configurations. Pulling heads are easily changed in a matter of seconds!

The GB752 is manufactured in the USA by Gage Bilt Products, a leader in blind fastener tooling for over 50 years.

GB752 Power Unit \$938.95

All of the following Pulling Heads on this page are designed for use with the GB752:

STRAIGHT PULLING HEAD for 1/8", 5/32" & 3/16"

CherryMAX® style fasteners

456MAX-751A-21 \$319.95



STRAIGHT PULLING HEAD for 1/4" CherryMAX®

style fasteners

08MAX-752C-20 \$369.95



OFFSET PULLING HEAD for 1/8", 5/32" & 3/16" CherryMAX®

style fasteners

456MAX-731-430S \$498.95



RIGHT ANGLE PULLING HEAD

for 1/8", 5/32" & 3/16" CherryMAX® style fasteners

456MAX-751C-54RA \$598.95



STRAIGHT PULLING HEAD FOR SINGLE **ACTION BLIND RIVETS**

(NAS1919S or U & NAS1921S or U series)



SMLS04-752C-20 (For 1/8" Fasteners) \$348.95 SMLS05-752C-20 (For 5/32" Fasteners) \$348.95 SMLS06-752C-20 (For 3/16" Fasteners) \$348.95

STRAIGHT PULLING HEAD FOR BLIND BOLTS

(MS90353S & U, MS90354S & U, MS12140S & U, and MS21141S & U series)

SB05-752C-20 (For 5/32" Blind Bolts) \$348.95 \$B06-752C-20 (For 3/16" Blind Bolts) \$348.95

We have listed on this page the most popular Pulling Heads for the GB752. There are many more available in a variety of styles and lengths. If you do not see a Pulling Head that will work for your application, please call our blind fastener installation experts and we will be glad to assist you.



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GAGE BILT INSTALLATION TOOL FOR CHERRYLOCK® RIVETS

The tools on this page are specifically designed and engineered to **properly install CherryLock® Rivets** (or any brand of rivet conforming to the NAS1400 or NAS1740 standards). The pulling heads on this page cannot be used for the more common CherryMAX® fasteners – for tooling to install CherryMAX® rivets, see pages 106 – 108. Gage Bilt is one of the leading manufacturers of blind riveting equipment in the world and has been manufacturing high quality riveters and accessories for over 50 years. You will find Gage Bilt products in virtually every aircraft manufacturing plant in the world. **Brown Aviation Tool is proud to be one of the largest authorized distributors of Gage Bilt products in the industry and we keep a large inventory on hand for immediate shipment.**







GAGE BILT RIVETER FOR CHERRYLOCK® RIVETS

This pneudraulic riveter has been specifically designed for the efficient installation of 2000 series CherryLock® rivets (NAS1398, NAS1399, NAS1738 & NAS1739). The GB784 weighs 8 lbs and can be operated in any position with just one hand. With a .900" rivet setting stroke and a rated pull load of 2650 lbs, the GB784 will install your CherryLock® fasteners with ease. 1.85" long. Accepts genuine Cherry® "681" series pulling heads as well as Gage Bilt "681" series pulling heads. **Made in the USA!**

GB784 \$2849.95 😅

GAGE BILT RIVETING KIT FOR CHERRYLOCK® RIVETS

This kit contains everything you need to easily install 1/8", 5/32", & 3/16" CherryLock® blind rivets. Kit includes a model GB784 power riveter, bleeder bottle (GBP704513), stroke setting gage (part # 784159) and three pulling heads for 1/8" (-4), 5/32" (-5), & 3/16" (-6) CherryLock® rivets. Also includes an easy access carrying case for easy storage. Ships with manual and data sheet. **Made in the USA!**

GB784RK-1 \$3298.95

GAGE BILT PULLING HEADS FOR CHERRYLOCK® RIVETS

Use with our Gage Bilt model GB784 riveter (can also be used directly on genuine Cherry® model G784) to easily install CherryLock® rivets. Will install both countersunk and universal head rivets. **Made in the USA!**



Part Number	For Fastener Size	Price Each
3C-681-25	3/32" CherryLock® Rivets	\$494.95
4C-681-25	1/8" CherryLock® Rivets	\$429.95
5C-681-25	5/32" CherryLock® Rivets	\$429.95
6C-681-25	3/16" CherryLock® Rivets	\$429.95
8C-681-25	1/4" CherryLock® Rivets	\$494.95

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brown tool supply company

BLIND RIVETERS / HAND RIVETERS



POP® BRAND POP SET™ HAND RIVETER

Genuine POP® tool - professional grade. Includes nosepieces to Install 3/32", 1/8", 5/32", & 3/16" shank POP® style blind rivets. 10" overall length, 3-1/4" head height.

PS15 \$31.95



has a 3/16" diameter fastener capacity, the other a 1/4" diameter fastener capacity. Heavy duty construction. Both models include nosepieces to install 3/32", 1/8", 5/32", & 3/16" rivets. The stronger T-7892 also includes nosepieces to install 7/32" & 1/4" rivets. Both riveters are 10-1/4" high.

Model	Weight	Pulling Force	Price
T-7891	3-1/8 lbs	2300 lbs	\$149.95
T-7892	3-3/4 lbs	3500 lbs	\$269.95



2-WAY HAND RIVETER

The pulling head of this versatile tool can be positioned horizontally or vertically to enable you to install "pop" rivets in almost any area. Pulls 3/32", 1/8", 5/32" or 3/16" blind rivets.

HR2-2 \$24.95



and keeps your air hose out of the way. Unique vacuum assist system enables easier riveting – particularly in the downward position. Includes spent stem collector. Extremely high quality import built for heavy-duty industrial use.

Model	Weight	Length	Pulling Force	Price
CP9883	3.2 lbs	11.8"	1950 lbs	\$369.95
CP9884	4.2 lbs	12.2"	3520 lbs	\$498.95





Unlike many of our competitors, our Rivet-Nut tools are **MADE IN THE USA** - the heat treat and precision dimensions of these tools are critical - imagine how aggravating it would be to buy a cheap Chinese knock-off of our Rivet-Nut tool and have the mandrel snap off while you are using the tool. Use our superior **AMERICAN MADE** Rivet-Nut tools with confidence.

SPEED DRIVER STYLE RIVET-NUT TOOL

Fast heavy duty hand tool designed for installing steel or aluminum rivet-nuts. Extra mandrel assemblies available to allow you to change sizes with one set of handles.



	REPLACEMENT MANDREL ASSEMBLIES FOR L6000 HANDLES				
SCA-4-40	\$37.95				
SCA-6-32	\$33.95				
SCA-8-32	\$33.95				
SCA-10-32	\$33.95				
SCA-1/4-28	\$46.95 (SCA-1/4-28 includes L20 Coupler)				

ECONOMY RIVET NUT TOOL



Easy to use hand tool efficiently installs steel or aluminum rivet-nuts. Made in the USA!

Part Number	Thread Size	Price Each
L845-4-40	4-40	\$52.95
L845-6-32	6-32	\$49.95
L845-8-32	8-32	\$49.95
L845-10-32	10-32	\$49.95
L845-1/4-20	1/4-20	\$49.95
L845-1/4-28	1/4-28	\$49.95
L845-M4	4mm(Metric)	\$69.95
L845-M5	5mm(Metric)	\$69.95
L845-M6	6mm(Metric)	\$71.95

REPLACEMENT MANDRELS FOR L845 SERIES TOOL



See our SIOUX™ Pneumatic Rivet Nut Tools on page 89.



JO-BOLT KIT / GRIP GAGES



A must-have when working with Hi-Loks®. Easily determines proper fastener length needed. Made in the USA!

BAT-2612GS \$9.95



HI-LOK® STYLE GRIP GAGE WITH SLIDE RULE

Same gage as our BAT-2612GS above with the added feature of a slide rule which makes finding exact fastener length even easier. Made in the USA!

BAT-2651GS \$10.95



Used to verify proper Hi-Lok® length after installation. Includes gages for 5/32", 3/16", 1/4", 5/16"

& 3/8" Hi-Loks®, all stored on a metal chain for ease of use.

Made in the USA!

CATPG2 \$10.95

PIN PROTRUSION "GO-NOGO" GAGE FOR HI-LITES®

Use to verify proper Hi-Lite® length after installation. Includes gages for 5/32", 3/16", 1/4", 5/16", & 3/8" Hi-Lite® fasteners.

Made in the USA!

BAT-HLTG \$13.95

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JO-BOLT HAND INSTALLATION KIT

This complete 13 piece kit contains everything you need to easily install 5/32", 3/16" & 1/4" Jo-Bolts in both Protruding Head and Flush styles. Kit includes Hand Ratchet Tool, Jo-Bolt Grip Gage, and all Drivers and Socket Heads. Packaged in a heavy duty plastic case for easy storage when not in use.

Made in the USA!

BAT-VLHK-102 \$489.95



Use to quickly and easily determine proper Jo-Bolt (also known as Visu-Lok) length and diameter.

BAT-LFVLG-1 \$11.95



CHERRYMAX® GRIP GAGE

Slide rule style enables you to easily determine proper fastener length. Made in the USA!

269C3 \$10.95

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TOOLS FOR HI-LOK® STYLE FASTENERS

HOLLOW COLLAR CUTTERS FOR REMOVING HI-LOK® COLLARS



Designed to cut away the collar of Hi-Lok® and Hi-Shear type fasteners, without damaging the fastener pin itself. Four flute design increases strength and ensures long tool life. 1/4-28 Threads.

Part Number	Fastener Size	1-24 Pieces	25-99 Pieces	100 & Up
BAT-HC-5/32	5/32"	\$7.95	\$6.95	\$5.95
BAT-HC-3/16	3/16"	\$7.95	\$6.95	\$5.95
BAT-HC-1/4	1/4"	\$7.95	\$6.95	\$5.95
BAT-HC-5/16	5/16"	\$7.95	\$6.95	\$5.95





Easily remove Hi-Lok® style collars with these specially designed pliers. Features notched and hardened steel jaws specifically designed to maximize the gripping surface around collars. Choose the standard BAT-100 for 5/32", 3/16", 1/4", & 5/16" collars, or, choose the new jumbo BAT-200Z for 5/16", 3/8", 7/16", & 5/8" collars. Both models feature dipped handles with comfort grips.

Part Number	Collar Sizes	Overall Length	Price Each
BAT-100	5/32", 3/16", 1/4", & 5/16"	7-3/8"	\$34.95
BAT-200Z	5/16", 3/8", 7/16", & 5/8"	9"	\$45.95



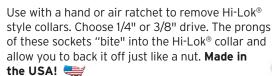
COLLAR REMOVAL TOOL

This uniquely designed tool easily removes Hi-Lok® type fasteners without cutting or prying. Small head size permits use in tight areas.

Made in the USA!

BAT-REM100-56 For 5/32" or 3/16" Collars \$88.95 BAT-REM100-8 For 1/4" Collars \$89.95

HI-LOK® COLLAR REMOVAL SOCKETS





Part Number	Fastener Size	Socket Drive	Price Each
BAT-331-1	5/32"	1/4"	\$29.95
BAT-331-2	3/16"	1/4"	\$29.95
BAT-331-3	1/4"	1/4"	\$29.95
BAT-332-1	5/32"	3/8"	\$29.95
BAT-332-2	3/16"	3/8"	\$29.95
BAT-332-3	1/4"	3/8"	\$29.95

HI-LOK® STYLE COLLAR REMOVAL SOCKETS

Our patented BATSK3581 series Collar Removal Sockets are the ultimate tool for the removal of Hi-Lok® collars. Using a left hand taper thread, these hardened chromium alloy sockets "bite" into the aluminum collar for easy removal. 1/4" drive for use with any brand of 1/4" drive ratchet or accessory. Covered under U.S. Patent # 5,737,981. Made in the USA!

BAT-SK4PC

BAT-SK6PC



Set of 5/32", 3/16", 1/4", & 5/16"

Set of all six sizes

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\$89.95

TOOLS FOR HI-LOK® STYLE FASTENERS

HI-LOK® STYLE RATCHETS

Specifically designed for use when installing Hi-Lok® type fasteners. The hole thru the center of the ratchet head allows the use of an allen key. Choose 1/4" or 3/8" drive.

HL001 1/4" Drive Ratchet \$29.95 HL003 3/8" Drive Ratchet \$46.95



1/4" DRIVE SOCKETS FOR HI-LOK® STYLE RATCHETS

These special 1/4" drive sockets have an allen set screw on the side which enables you to secure the socket to any Hi-Lok® style ratchet or roller wrench.

BAT-HS218	7/32" Socket	\$8.95
BAT-HS250	1/4" Socket	\$8.95
BAT-HS281	9/32" Socket	\$8.95
BAT-HS312	5/16" Socket	\$8.95
BAT-HS343	11/32" Socket	\$8.95
BAT-HS375	3/8" Socket	\$8.95



SWIVEL HI-LOK® STYLE RATCHET

The head of this 1/4" drive Hi-Lok® style ratchet swivels - allowing you to access very difficult areas. 6.2" overall length. Hole thru center enables the use of a hex key while installing Hi-Lok® style fasteners.



MINI HI-LOK® STYLE RATCHET

At only 4.6" long, our Mini Hi-Lok® style ratchet fits into the tightest areas. 1/4" drive with a hole thru center.

HL001-MINI \$31.95



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BOX RATCHETS FOR HI-LOK® INSTALLATION

Perfect for installation of Hi-Lok® style fasteners. Choose standard straight in-line model, or the 25° offset model for additional clearance.

Part Number	Size	Style	Price Each
BATBR-2528	1/4" x 9/32"	Straight	\$29.95
BATBRO-2528	1/4" x 9/32"	Offset	\$33.95
BATBR-3134	5/16" x 11/32"	Straight	\$29.95
BATBRO-3134	5/16" x 11/32"	Offset	\$33.95
BATBR-4350	7/16" x 1/2"	Straight	\$36.95
BATBRO-4350	7/16" x 1/2"	Offset	\$39.95



HANDI-HEX DRIVERS

Designed for use with Hi-Lok® style hand ratchets when installing non-interference fit fasteners. Comfortable screwdriver style handle. Allen key is replaceable and is held in place with the use of an allen set screw. Made in the USA.

Part Number	Allen Size	Price Each
57408	5/64"	\$8.95
57410	3/32"	\$8.95
57414	1/8"	\$9.95

LONG ARM ALLEN® KEYS 😅

Perfect for use with installing Hi-Lok® fasteners. Approximately 3-1/2" long. Quality Allen® brand. Made in the USA.

Part Number	Size	1-9 Pieces	10 & Up
HK-5/64	5/64"	\$.43	\$.36
HK-3/32	3/32"	\$.43	\$.36
HK-7/64	3/32"	\$.45	\$.39
HK-1/8	1/8"	\$.47	\$.42



THE LIBERATOR TOOTHLESS RATCHETS FOR HI-LOK® INSTALLATION



IF YOU INSTALL HI-LOK® STYLE FASTENERS, YOU NEED THIS KIT! The "Liberator" modular ratchet system was designed by an aircraft mechanic to enable the easy installation of frangible collar (Hi-Lok®) type fasteners in the most unusual and awkward situations.

THE LIBERATOR TOOTHLESS BEARING RATCHET SYSTEM FOR HI-LOK® INSTALLATION

The 13 piece kit contains two toothless "roller clutch" ratchet heads which are torque rated up to 80 in lbs, two 1/4" drive studs which can be used with any brand of 1/4" drive socket, as well as a variety of straight and 90 degree handles. The entire system is interchangeable and can easily be assembled into an UNLIMITED range of straight and offset configurations! The ratchet heads feature the unique ability to be "indexed" in any position a full 360 degrees. This is one of the most flexible and useful tools you can have in your tool box!

BAT-LIBK-13 \$109.95

All components are manufactured from 4140 tool steel with a maintenance free black oxide finish. Kit comes packaged in a well organized molded plastic case for easy storage.

Use these Liberator Kit components to easily design your own unique ratchet assembly to tackle just about any Hi-Lok® installation job!







Our LIBERATOR Toothless Bearing Ratchets are designed for the efficient installation of Hi-Lok® style fasteners. These innovative ratchets utilize roller bearing technology for smooth precise movement. With directional roller bearings, you have no "lost movement" as you would with a standard "click style" ratchet wrench. Great for use in areas where space is limited and where conventional click style ratchet wrenches are unable to be used due to lack of movement space. **Made in the USA!**

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FEATURES INCLUDE:

- Heavy Duty Bearings failure tested to 80 in lbs
- Reversible -simple remove the 1/4" drive stud and re-install it from the other side
- Choose the size you need available in 4 different lengths, 4", 6", 8" or 10"
- "Hole-thru" 1/4" drive stud so you can use an Allen key for non-interference fit fasteners.
- Small & Compact Design less than half the size of conventional "click" ratchets.

Part Number	Description	Price Each
BAT-2303	4" Handle Toothless Rachet	\$39.95
BAT-2306	6" Handle Toothless Rachet	\$41.95
BAT-2308	8" Handle Toothless Rachet	\$43.95
BAT-2309	10" Handle Toothless Rachet	\$45.95

brown aviation tool supply company

JIFFY® INSTALLATION TOOLS FOR HI-LOK® STYLE FASTENERS



If you install large quantities of Hi-Lok® Style Fasteners, our professional JIFFY® Installation Tools can save you significant time and money! Improve your efficiency and production with high quality JIFFY® Installation Tools!

JIFFY® Fastener Installation Tools are designed for the quick and efficient installation of Hi-Lok® style frangible collar fasteners. JIFFY® installation tools are used by the largest aircraft assembly factories in the world, and up until now, have not been easily available to smaller aircraft maintenance operations and individual technicians. By special arrangement with the JIFFY® factory, Brown Aviation Tool Supply Co. has identified the most popular configurations and is now stocking JIFFY® installation tools for immediate shipment. You can order today, and be quickly and easily installing Hi-Lok® style fasteners tomorrow.

JIFFY® Tools are for professionals and they are not cheap, in price or quality – they cost more, but you get more! The JIFFY® factory is committed to using only the best materials available and after over 60 years of designing and manufacturing air tools for the aerospace industry, they have earned a reputation as the "go to" company for high quality, production grade pneumatic tools for the toughest applications in the aircraft industry.

The JIFFY® Installation Tools shown on these pages are typically in stock and available for immediate shipment!

JIFFY® 20° RATCHET WRENCH FOR HI-LOK® STYLE FASTENER INSTALLATION

Professional grade tool built to handle the tough aircraft assembly environment. Completely **manufactured in the USA** by JIFFY® Air Tool, one of the leading manufacturers of specialty air tools for the aerospace industry. Use this tool to install larger quantities of Hi-Lok® style fasteners quickly, easily, and efficiently. Built in spring loaded hex tip holder allows you to use special hex tips that will hold your Hi-Lok® style fastener in place when installing non-interference fasteners.

- 450 rpm motor
- Develops 190 in lbs of torque
- Weighs 3.1 lbs
- 12-1/2" overall length
- "Leg" of tool is 1/2" thick and 3-1/2" long
- Manufactured in the USA
- Use with special JIFFY® Hex Tips and Sockets

Choose the socket size and hex tip (if needed) that suits your application (sold separately) and you are ready to begin easily installing fasteners.

15265H0-15424 \$1098.95



 $\label{eq:hi-Lok} \mbox{Hi-Lok} \mbox{$^{\circ}$ is a registered trademark of the Hi-Shear Corporation and is used for reference only.} \\ \mbox{Brown Tool is not licensed, sponsored, or affiliated in any way with the Hi-Shear Corporation.} \\$

JIFFY® INSTALLATION TOOLS FOR HI-LOK® STYLE FASTENERS

JIFFY® PISTOL GRIP "PANCAKE" INSTALLATION TOOL FOR HI-LOK® STYLE FASTENERS

This high quality tool packs plenty of power in a small, compact motor and enables you to install large volumes of Hi-Lok® style fasteners quickly, easily, and efficiently. Built in spring loaded hex tip holder allows you to use special hex tips that will hold your Hi-Lok® style fastener in place when installing non-interference fasteners.

- 250 rpm motor
- Develops 120 in lbs of torque
- Weighs 2 lbs
- 6.9" overall length
- Ergonomic comfort grip handle
- "Pancake" attachment is 2.45" long and 1/2" thick
- Manufactured in the USA
- Use with special JIFFY® Hex Tips and Sockets

Choose the socket size and hex tip (If needed) that suits your application (sold separately) and you are ready to begin installing fasteners.



NOTE: Longer "Pancake" attachments and higher RPM motors are available by special order.



JIFFY® SOCKETS

Use these specially designed sockets with either of our JIFFY® Installation Tools. Works with model 15265HO-15424 or model 13409-12467. Sockets

are 6 point, 1/2" long. Size is clearly marked for easy selection.

	Made	in	the	USA	by	JIFF	Y®.	
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Part Number	Socket Size	Price Each
JAT12680	7/32"	\$44.95
JAT12687	1/4"	\$44.95
JAT12693	9/32"	\$44.95
JAT12700	5/16"	\$44.95
JAT12706	11/32"	\$44.95
JAT12768	3/8"	\$49.95

NOTE: 12 point sockets and longer length sockets available by special order.



JIFFY® HEX WRENCH TIPS

Use these specially designed and high quality hex tips with either of our JIFFY® Installation Tools to hold non-interference fasteners in place while the collar or nut is being installed. Solid, one-piece design. Works with model 15265HO-15424 or model 13409-12467.

Manufactured in the USA by JIFFY®.

Part Number	Hex Tip Size	Price Each
JAT12713	1/16"	\$29.75
JAT12775	5/64"	\$29.75
JAT12908	3/32"	\$29.75
JAT13635	1/8"	\$29.75

Because JIFFY® tools are normally built to order and can sometimes take several weeks if not months to be manufactured and delivered from the factory, we are STOCKING the tools shown on these pages because they will take care of the vast majority of HI-Lok® style fastener installations encountered by our customers. If you have an unusual application that requires a tool not shown here, please contact us and we can special order a tool that will accommodate your needs. Keep in mind that special order tools are typically built to order and can have a lead time of several weeks.

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KITS FOR HI-LOK® STYLE FASTENER INSTALLATION & REMOVAL

BROWNTOOL 17 PIECE HAND KIT FOR HI-LOK® STYLE FASTENER INSTALLATION & REMOVAL

Our brand new kit features the tools you need to easily install or remove Hi-Lok® style fasteners.

Kit includes:

- 1 ea. 1/4" Drive Hi-Lok® Style Ratchet
- 3 ea. Allen Hex Keys (1/16", 5/64", & 3/32")
- 9 ea. Hi-Lok® Style Sockets (5/32",3/16",7/32",1/4",9/32", 5/16",11/32",3/8", & 7/16")
- 4 ea. Hi-Lok® Style Collar Removal Sockets (5/32", 3/16", 1/4". & 5/16")

(Removal Sockets covered under US Patent # 5,737,981)

The entire kit comes in a heavy duty custom fitted case for easy storage. With this kit, you will have all of the tools you need to easily install or remove -5 (5/32"), -6 (3/16"), -8 (1/4"), & -10 (5/16") Hi-Lok® style fasteners.

BAT-HKHND \$269.95



BROWNTOOL 17 PIECE AIR RATCHET KIT FOR HI-LOK® STYLE FASTENER INSTALLATION & REMOVAL

Our brand new pneumatic kit features the tools you need to easily install or remove Hi-Lok® style fasteners.

Kit includes:

- 1 ea. 1/4" Drive Reversible Pneumatic Hi-Lok® Style Ratchet with through hole
- 3 ea. Allen Hex Keys (1/16", 5/64", & 3/32")
- 9 ea. Hi-Lok® Style Sockets (5/32",3/16",7/32",1/4",9/32", 5/16", 11/32",3/8", & 7/16")
- 4 ea. Hi-Lok® Style Collar Removal Sockets (5/32", 3/16", 1/4", & 5/16") (Removal Sockets covered under US Patent # 5,737,981)

The entire kit comes in a heavy duty custom fitted case for easy storage. With this kit, you will have all of the tools you need to easily install or remove -5 (5/32"), -6 (3/16"), -8 (1/4"), & -10 (5/16") Hi-Lok® style fasteners.

BAT-HKAIR \$598.95



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AUTO-TWIST ECONOMY SAFETY WIRE PLIERS

Quality imported tool features an automatic spring return. Choose standard 9" or 6" model for use in confined areas.

SWP6 6" Pliers \$27.95 SWP9 9" Pliers \$28.95



MILBAR SAFETYTWIST® PLIERS

From the leading Safety Wire Tool manufacturer, these Safety Wire Pliers feature a diagonal nose design and an automatic spring return with industry standard right hand twist. One year factory warranty. Made in the USA from the highest quality steel and machined to exacting standards. MILBAR pliers are the best in the industry. Choose 6" or 9" model.

11WS 6" Plier \$98.95 1W393 9" Plier \$99.95



REVERSIBLE SAFETY WIRE PLIERS - NEW DESIGN!

New patent-pending design features reversing and jaw locking mechanisms that STAY LOCKED - even if you drop the tool! Use to easily and quickly install safety wire in all sorts of situations with a right hand or left hand twist. High quality - assembled in the USA (of foreign and domestic components). Durable cutting edge. Unlike competitive brands, ours features an all metal, ergonomic thumb slide with no plastic! One year manufacturer warranty against manufacturing defects. Choose short (8-1/2" overall length) or long (10-1/2" overall length) model.

TH3602BS Short Model \$97.95 TH3902BS Long Model \$99.95

MILBAR PROFESSIONAL SAFETY WIRING KIT

The most versatile kit available. Includes 6" Mini Twister, 9" Spring Return Twister, and Adjustable Long-Reach Specialty Twister (adjusts from 13" to 19"). Also includes



three 1/4 lb spools of Safety Wire (.020", .032", & .041"). Packed in a heavy duty, custom fitted plastic storage case. Superior quality made in the USA! 105W \$239.95

SAFETY WIRE TOOLS

SAFETY WIRE - 1 LB CANISTER

1Lb no-waste container of stainless steel safety wire. Conforms to NASM20995, MS-20995C, & MIL-W-6713 specifications. Made in the USA! Choose from three different diameters.



Part Number	Diam.	Feet	Price
SW0210-1LB	.021"	840′	\$1295
SW0320-1LB	.032"	362'	\$12.95
SW0410-1LB	.041"	221′	\$12.95



SAFETY WIRE DRILL JIG - AERO-SAFTBLOK

Use to precisely and easily drill safety wire holes in bolts. Makes a tough job simple. Simply thread the bolt into the tool the required depth and drill your safety wire hole with no risk of misalignment. Accepts 8-32, 10-32, 1/4-20, 1/4-28, & 5/16-24 bolts.

Made in the USA! BAT-MTE-1 \$32.95

SAFETY WIRE DRILL JIG - NUT SAFTBLOK

Easily drill safety wire holes through bolt heads or nuts

across the diagonal. Accepts up to 3/4" diameter nuts or bolt heads. To use, simply place the bolt head or nut into the "V" groove, tighten down the holding screw, then drill and deburr. We recommend using a 1/16" or 5/64" COBALT Drill Bit (sold separately). Made in the USA!

BAT-MTE-2 \$35.95



BUSHING TOOLS

"EGG CUP" BUSHING HOLDER

Our "Egg Cup" Bushing Holder enables you easily drill perfectly straight holes in flat or curved surfaces. New and IMPROVED design is manufactured from clear and virtually unbreakable Lexan® in the USA! Steel liner with lock in lug holds machine industry standard 1/2" OD slip bushings. Manufactured in the USA!





"BOMBSITE" PRECISION OPTICAL HOLE LOCATOR

This tool helps you find **perfect center** of a hole and is especially useful when repairing or "pulling" misdrilled holes. Use with our model BAT-54SBK "Snatch Block" Bushing Tool, and you will be able to drill perfectly straight holes in precisely the spot you want with ease. Manufactured from an optical grade clear acrylic that is virtually unbreakable.

Cross hairs are etched permanently and

will give you an extremely accurate and magnified reference point of "dead center". Body diameter is 1/2" and our Bomb Site will work with all bushing tools designed for 1/2" diameter drill bushings including our model BH01 "Egg Cup" Bushing Holder and our model BAT-54SBK "Snatch Block" tool.

BAT-BS32 \$65.95



"SNATCH BLOCK" BUSHING HOLDER

Also known as a "Steam Boat", our model BAT-54SBK Bushing Holder is perfect for repairing mis-matched or crooked holes. Uses industry standard 1/2" Slip Bushings which are locked in place with an allen key on the side of the holder. Use draw clecos or bolts thru the slotted body to lock the bushing into perfect position over your mis-matched hole, then drill through your slip bushing and in a matter of seconds you have repaired the damaged hole. Tool is 4-1/2" long by 1" wide. Made in the USA exclusively for Brown Aviation Tool Supply Co.

BAT-54SBK \$41.95



1/2" DIAMETER SLIP BUSHINGS

For use with our "Egg Cup" Bushing Holder or any bushing holder that uses 1/2" OD Slip Bushings. Made in the USA



or England of hardened bushing steel and properly heat-treated for long useful life. Choose from these in-stock sizes for most aircraft fastener applications. Other sizes are readily available.

SB-3/32 3/32" .0938 \$9.95 SB40 #40 .0980 \$9.95 SB1/8 1/8" .1250 \$9.95 SB30 #30 .1285 \$9.95 SB29 #29 .1360 \$9.95 SB29 #29 .1360 \$9.95 SB27 #27 .1440 \$9.95 SB22 #32 .1562 \$9.95 SB20 #20 .1610 \$9.95 SB19 #19 .1660 \$9.95 SB19 #19 .1660 \$9.95 SB16 #16 .1770 \$9.95 SB18 #19 .1660 \$9.95 SB16 #16 .1770 \$9.95 SB18 .184 .1840 \$9.95 SB13 #13 .1850 \$9.95 SB13 #13 .1850 \$9.95 SB12 #12 .1890 \$9.95 SB12 #12 .1890 \$9.95	Part Number	Drill Size	Decimal Equiv.	Price Each
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SB-186 .186 .1860 \$9.95 SB-3/16 3/16" .1875 \$9.95 SB12 #12 .1890 \$9.95 SB11 #11 .1910 \$9.95 SB10 #10 .1935 \$9.95 SB10 #10 .1935 \$9.95 SB10 #10 .1935 \$9.95 SB10 #10 .1935 \$9.95 SB08 .198 .1980 \$9.95 SB08 .198 .1990 \$9.95 SB08 .198 .1990 \$9.95 SB08 .198 .1990 \$9.95 SB06 .46 .2040 \$9.95 SB07 .214 .2140 \$9.95 SB-215 .215 .2130	SB-184	.184	.1840	·
SB-3/16 3/16" .1875 \$9.95 SB12 #12 .1890 \$9.95 SB11 #11 .1910 \$9.95 SB10 #10 .1935 \$9.95 SB10 #10 .1935 \$9.95 SB10 #10 .1935 \$9.95 SB10 #10 .1935 \$9.95 SB2 .198 .1980 \$9.95 SB08 #8 .1990 \$9.95 SB08 #8 .1990 \$9.95 SB00 .200 .2000 \$9.95 SB07 #7 .2010 \$9.95 SB06 #6 .2040 \$9.95 SB05 #5 .2055 \$9.95 SB03 #3 .2130 \$9.95 SB-214 .214 .2140 \$9.95 SB-215 .215 .2150 \$9.95 SB-7/32 7/32" .2188 \$9.95 SB-1 #1 .2280 \$9.	SB13	#13	.1850	\$9.95
SB12 #12 .1890 \$9.95 SB11 #11 .1910 \$9.95 SB10 #10 .1935 \$9.95 SB198 .198 .1980 \$9.95 SB08 #8 .1990 \$9.95 SB08 #8 .1990 \$9.95 SB08 #8 .1990 \$9.95 SB07 #7 .2010 \$9.95 SB06 #6 .2040 \$9.95 SB05 #5 .2055 \$9.95 SB03 #3 .2130 \$9.95 SB-214 .214 .2140 \$9.95 SB-215 .215 .2150 \$9.95 SB-216 .215 .2188 \$9.95 SB02 #2 .2210 \$9.95 SB01 #1 .2280 \$9.95 SB-15/64 15/64" .2344 \$9.95 SB-247 .247 .2470 \$9.95 SB-248 .248 .2480 \$9.95 SB-1/4 1/4" .2500 \$9.95 <		.186	.1860	•
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SB10 #10 .1935 \$9.95 SB-198 .198 .1980 \$9.95 SB08 #8 .1990 \$9.95 SB-200 .200 .2000 \$9.95 SB07 #7 .2010 \$9.95 SB06 #6 .2040 \$9.95 SB05 #5 .2055 \$9.95 SB03 #3 .2130 \$9.95 SB-214 .214 .2140 \$9.95 SB-215 .215 .2150 \$9.95 SB-7/32 7/32" .2188 \$9.95 SB02 #2 .2210 \$9.95 SB01 #1 .2280 \$9.95 SB-15/64 15/64" .2344 \$9.95 SB-D "D" .2460 \$9.95 SB-247 .247 .2470 \$9.95 SB-248 .248 .2480 \$9.95 SB-1/4 1/4" .2500 \$9.95 SB-260 .260 .2600 \$9.95 SB-26 "G" .2610 \$9.95	SB12	#12	.1890	\$9.95
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SB05 #5 .2055 \$9.95 SB03 #3 .2130 \$9.95 SB-214 .214 .2140 \$9.95 SB-215 .215 .2150 \$9.95 SB-7/32 7/32" .2188 \$9.95 SB02 #2 .2210 \$9.95 SB01 #1 .2280 \$9.95 SB-15/64 15/64" .2344 \$9.95 SB-D "D" .2460 \$9.95 SB-247 .247 .2470 \$9.95 SB-248 .248 .2480 \$9.95 SB-1/4 1/4" .2500 \$9.95 SB-1/4 1/4" .2500 \$9.95 SB-260 .260 .2600 \$9.95 SB-26 "G" .2610 \$9.95 SB-276 .276 .2760 \$9.95 SB-9/32 9/32" .2812 \$9.95	SB07	#7	.2010	\$9.95
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SB-D "D" .2460 \$9.95 SB-247 .247 .2470 \$9.95 SB-248 .248 .2480 \$9.95 SB-1/4 1/4" .2500 \$9.95 SB-F "F" .2570 \$9.95 SB-260 .260 .2600 \$9.95 SB-G "G" .2610 \$9.95 SB-276 .276 .2760 \$9.95 SB-J "J" .2770 \$9.95 SB-9/32 9/32" .2812 \$9.95	SB01	#1	.2280	\$9.95
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SB-F "F" .2570 \$9.95 SB-260 .260 .2600 \$9.95 SB-G "G" .2610 \$9.95 SB-276 .276 .2760 \$9.95 SB-J "J" .2770 \$9.95 SB-9/32 9/32" .2812 \$9.95	SB-248	.248	.2480	\$9.95
SB-260 .260 .2600 \$9.95 SB-G "G" .2610 \$9.95 SB-276 .276 .2760 \$9.95 SB-J "J" .2770 \$9.95 SB-9/32 9/32" .2812 \$9.95	SB-1/4	1/4"	.2500	\$9.95
SB-G "G" .2610 \$9.95 SB-276 .276 .2760 \$9.95 SB-J "J" .2770 \$9.95 SB-9/32 9/32" .2812 \$9.95	SB-F	"F"	.2570	\$9.95
SB-G "G" .2610 \$9.95 SB-276 .276 .2760 \$9.95 SB-J "J" .2770 \$9.95 SB-9/32 9/32" .2812 \$9.95	SB-260	.260	.2600	\$9.95
SB-276 .276 .2760 \$9.95 SB-J "J" .2770 \$9.95 SB-9/32 9/32" .2812 \$9.95	SB-G		.2610	
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SB-9/32 9/32" .2812 \$9.95	SB-J			
	SB-9/32	9/32"		·
1 22 22 1 20 20 1 29.32	SB-309	.309	.3090	\$9.95
SB-311 .311 .3110 \$9.95				-
SB-5/16 5/16" .3125 \$9.95				·
SB-3/8 3/8" .3750 \$9.95	·	•		
SB-7/16 7/16" .4375 \$9.95		•		

BUSHING TOOLS



6 PIECE DRILL BUSHING KIT

This kit contains the basic tools you need to drill straight holes for the five most common aircraft fastener sizes. Includes one of our model BH01 "Egg Cup" Bushing Holders and five of our most popular 1/2" Diameter Slip Bushings (#40, #30, #21, #10, & 1/4"). Our Bushings are made in the USA and/or England, our Bushing Holder is **made in the USA**. If you bought these six pieces individually, you would pay \$69.70, by purchasing this kit, you pay only \$49.95 - you save \$19.75!

BHSB-6PC \$49.95

10 PIECE DRILL BUSHING KIT

Includes model BH01 Bushing Holder and nine Slip Bushings (3/32", #40, 1/8", #30, 5/32", #21, 3/16", #10, & 1/4"). If purchased separately, you would pay \$109.50, by purchasing this kit, you pay only \$79.95 - you save \$29.55!

BHSB-10PC \$79.95



15 PIECE DRILL BUSHING KIT - BROWNTOOL EXCLUSIVE!

Our 15 piece Drill Bushing Kit contains our Model BHO1 "Egg Cup" Bushing Holder with 14 of our most popular Drill Bushings (#40, #30, #27, 5/32", #21, #20, #16, #13, 3/16", #10, #8, 1/4", "D" & 5/16"). All stored in a custom fitted case with precision cut tool box foam. With this kit, you will be able to drill perfectly straight holes in the most popular aircraft fastener sizes with ease. Our Bushings are made in the USA and/or England, our "Egg Cup" Bushing holder is made in the USA!

BAT-DBK14 \$179.95



V-DRILLGUIDE

Drill Straight -Every Time!

This new patented tool enables you to keep your drill bit square to the drilling surface each and every time.



- Natural steel finish
- Manufactured from a special nickel alloyed steel and then expertly heattreated for durability.
- "V" groove along the bottom allows for use on flat surfaces, round surfaces, or even corners.
- 5-1/2" long
- Drill sizes are permanently stamped for easy readability and selection.
- Excellent quality, 100% made in the USA!
- Covered under US patent #'s: 7,131,796 & D546,212S
- Includes holes for 17 fractional drill sizes: 1/8", 9/64", 5/32", 11/64", 3/16", 13/64", 7/32", 15/64", 1/4", 17/64", 9/32", 19/64", 5/16", 21/64", 11/32", 23/64", & 3/8".
- Plastic storage case included.

BAT-VDG17 \$28.95



воттом

4 HOLE DRILL BLOCK

With our Model BAT-70 Drill Block, you can drill perfectly straight holes every time!

- manufactured from heavy duty 6061-T6 aluminum channel
- 3-3/4" long x 1-1/2" wide x 1" tall
- · features precision and hardened drill bushings for long life
- block has "feet" on the bottom, permitting quick chip ejection
- drill sizes are permanently engraved for ease of use
- works well on curved or flat surfaces
- features the four most popular aerospace drill sizes: #40, #30, #21 & #10
- manufactured in the USA exclusively for Brown Tool

BAT-70 \$52.95



PIN PUNCHES / DRIFTS

4 PIECE BRASS PIN PUNCH SET NEW PRODUCT!



Brass punches are softer than standard steel punches and are preferred in many areas because they are non-sparking. Handles are knurled for easy gripping. Vinyl storage pouch included.

Four piece kit includes:

- 1/8" Brass Punch 4" overall length
- 3/16" Brass Punch 4" overall length
- 1/4" Brass Punch 4" overall length
- 3/8" Brass Punch 6" overall length





SOLID BRASS DRIFTS / PUNCHES >>> NEW PRODUCT! |



Use to "persuade" fasteners in or out



without damaging the fastener head. Handles are knurled for easy gripping. Choose from two different diameters. Made in the USA by Snap-On Industrial Brands.

Part Number	Size	Price
BAT-P-63	3/8" Diameter x 6"	\$11.95
BAT-P-64	1/2" Diameter x 7"	\$14.75

STARRETT® 5 PIECE TAPERED CENTER PUNCH SET -**USA MADE!**

High quality Starrett® Punches feature knurled finger grips. 5 piece kit includes: 1/16", 5/64", 3/32", 1/8", & 5/32". Sizes are stamped on each punch for easy selection. 1/16" Punch is 3" long, the other four Punches are 4" long. Plastic storage pouch



S117PC \$37.95



STARRETT® 5 PIECE 8" LONG PIN **PUNCH SET - USA MADE!**

High quality Punches are 8" overall length -"punch" portion is 3-1/2" long. Includes punch sizes 1/8", 3/16", 1/4", 5/16", & 3/8". Standard Starrett[®] knurled finger grips. Sizes are stamped on each punch for easy tool selection. Includes vinyl storage pouch with screen printed sizes.

MADE IN THE USA!

S248PC \$47.95



STARRETT® 8 PIECE BRASS PIN PUNCH SET - USA MADE!

Brass is softer than standard steel and is preferred in many applications due to its non-sparking properties. Each punch is 4" long and features knurled finger grips. Sizes are stamped on each punch for easy identification. Includes punch sizes 1/16", 3/32", 1/8", 5/32", 3/16", 7/32", 1/4", & 5/16". Includes heavyduty pouch with screen printed sizes for easy tool selection and accountability. MADE IN THE USA!



SB565Z \$49.95



Starrett® Pin Punches are recognized throughout the metal working industry for their high quality. Precision ground and then properly hardened and tempered for a long, useful life. Punches are 4" long and feature the standard Starrett® knurled finger grip. Sizes are stamped on the head of each punch for easy Starrei selection. Packaged in a custom fitted plastic case for easy storage. 8 piece kit includes sizes: 1/16", 3/32", 1/8", 5/32", 3/16",



STARRETT® 8 PIECE PIN PUNCH SET WITH PLASTIC POUCH -USA MADE!

7/32", 1/4", & 5/16". **MADE IN THE USA!**

Same kit as our part number S565WB but with a plastic pouch instead of a round box. Sizes are screen printed on the pouch for easy size selection. MADE

IN THE USA!

S565PC \$49.95





PIN PUNCHES / CHISELS

5 PIECE PIN PUNCH SET

Set contains one each of: 3/32", 1/8", 5/32", 3/16", & 1/4" pin punches. Sturdy vinyl storage pouch included. Made in the USA!

PP5 \$21.85



5 PIECE EXTRA LONG PUNCH SET

Features knurled handles for easy grip. 8" overall length - punch portion is 3-1/2" long. Includes sizes 1/8", 3/16", 1/4", 5/16" & 3/8". Vinyl storage pouch included. High quality import.

BAT-4103 \$15.95



INDIVIDUAL PIN PUNCHES

Choose from eight different stock sizes. Made in the USA!



Part Number	Size	Price
PP1/16	1/16"	\$5.49
PP3/32	3/32"	\$5.49
PP1/8	1/8"	\$4.95
PP5/32	5/32"	\$4.95
PP3/16	3/16"	\$4.95
PP7/32	7/32"	\$5.29
PP1/4	1/4"	\$5.29
PP5/16	5/16"	\$5.29

8 PIECE PIN PINCH SET

Knurled handles for easy grip. 4" overall length. Kit includes sizes 1/16", 3/32", 1/8", 5/32", 3/16", 7/32". 1/4" & 5/16". Vinyl storage pouch included. High quality import.

BAT-4106 \$12.45



5 PIECE EXTRA LONG TAPER PUNCH SET

This extra long tapered punch kit includes one each of the following: 1/8" (8" long), 5/32" (8-1/2" long), 3/16" (9" long), 7/32" (9-1/2" long), and 1/4" (11" long). Vinyl storage pouch included.

Made in the USA!

PLT5 \$32.95



5 PIECE COLD CHISEL SET

Contains one each: 5/16", 3/8", 1/2", 5/8", & 3/4" width chisels. Sturdy vinyl storage pouch included.

Made in the USA!

CC5 \$12.45



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CLAMPS



KANT TWIST™ CLAMPS - OUR BEST CLAMP!

The unique design of these clamps eliminates twisting and distorting. Features a "floating" jaw that always stays parallel. The innovative sandwich design weighs approximately half as much as comparable "C" clamps. Try these clamps and you will never use a standard "C" clamp again. **Made in the USA!**

Part Number	Reach	Gap (Height)	Price
401	1/2"	1"	\$13.95
405	1-1/4"	2"	\$17.95
410	1-1/4"	3"	\$23.95
420	3-3/8"	6"	\$38.95



VISE GRIP® SWIVEL PAD LOCKING CLAMPS

Genuine Vise-Grip® brand clamps! Features swivel-pads for perfect clamping contact. Manufactured from high grade, heat-treated alloy steel. Wide opening jaws with guarded release trigger. Choose from five different models to suit your application.

Part Number	Length	Jaw Opening	Throat Depth	Price
4SP	4"	1-5/8"	1-1/4"	\$14.95
6SP	6"	2-1/8"	1-1/2"	\$17.95
11SP	11"	4"	2-5/8"	\$24.95
18SP	18"	8"	9-1/2"	\$36.95
24SP	24"	10"	15-1/2"	\$48.95



ECONOMY MINI LOCKING CLAMP - WITH SWIVEL PADS

Much easier to use than regular "C" clamps. Throat depth is 1-1/4", clamping height is also 1-1/4", overall length is 5". Superb quality import.

LCC-5 \$5.95 (Buy 10 or more and pay only \$4.85 each!)



ECONOMY 11" LOCKING CLAMP- WITH SWIVEL PADS

Preferred by many in the aircraft maintenance industry. High quality import – compare to the "national brand" at more than twice the price. Industry standard quick-release lever. 11" overall length with a 2-5/8" throat depth x 4" jaw opening.

LCC-11 \$8.95 (Buy 10 or more and pay only \$7.95 each!)

HANDI-KLAMPS

Versatile tool used to clamp all kinds of materials because of it's non-marring rubber clamping surface. Especially useful for bonding and gluing operations. Choose from two different sizes.



Model	Jaw Depth	1-9 Pieces	10 or More
K-1	1"	\$3.29	\$2.97
K-2	1-1/2"	\$4.39	\$3.99



AIRCRAFT GRADE "C" CLAMPS

Our high quality "C" Clamps are perfect for holding your work in place. The clamping pad is solid so that it will not mar your work. Choose from several different thickness capacities and throat depths to suit your application. Buy 10 or more of one size and save!

Part Number	Clamp Capacity	Throat Depth	1-9 Pieces	10 or More
CC-1	1"	1"	\$3.95	\$3.55
CC-2	2"	1-1/2"	\$4.95	\$4.45
CC-3	3"	1-3/4"	\$6.95	\$6.25
CC-4	4"	3-1/4"	\$9.95	\$8.95
CC-5	5"	3-1/4"	\$11.95	\$10.75
CC-6	6"	3-1/2"	\$14.95	\$13.75
CC-8	8"	4"	\$19.95	\$18.45



DEEP THROAT "C" CLAMP

Perfect for use where you need extra throat depth. High quality - solid clamping pad is polished smooth so it will not mar your work. Chrome plated to resist rust and corrosion.

Part	Clamp	Throat	1-9	10 or
Number	Capacity	Depth	Pieces	More
CM34DR	3"	4-1/2"	\$11.95	\$10.75



TOGGLE CLAMPS

Easier to use than regular "C" clamps. Quick release style. Choose from two different sizes.

Part Number	Reach	Gap (Height)	1-9 Pieces	10 or More
50350	1-1/8"	1"	\$16.95	\$15.75
50360	1-3/4"	1"	\$18.95	\$17.65



2-3/4" reach with a 3" gap. 700lbs of holding capacity! Includes "quick- release" lever.

50450 \$38.95



LOCKING HAND SEAMER

Features wide, flat jaws for forming and bending sheet metal. 3-1/8" wide jaws with 1-3/4" max jaw opening. Nickel plated finish to resist corrosion. Imported.

BAT-HS01 \$18.95



AVIATION SNIPS



MINIATURE NEEDLE NOSE METAL SNIP

1-1/4" length cutting blades. Self opening with safety latch. Vinyl coated comfort grips. 6-1/2" overall length. Made in the USA!

P657-N \$19.85



AVIATION TIN SNIPS - AMERICAN MADE!

The industry standard for cutting sheet metal and other materials. Choose from Straight, Right Cut, or Left Cut models.

1-3/8" blade length. Heavy duty heat-treated blades. Safety latch keeps handles closed for easy storage. Not a cheap Chinese import, our Aviation Snips are made in the USA for heavy duty industrial use.

8SN Right Cut (Green Handles) \$19.85 9SN Straight Cut (Yellow Handles) \$19.85 10SN Left Cut (Red Handles) \$19.85

SAVE! Buy all three models for only \$49.95, order part number 8910SN.



"LONG CUT" AVIATION SNIPS

The longer 3" blades on these snips make nice, long, straight cuts and wide curves to the right or left. 11-1/2" overall length. Latch keeps handles closed for easy tool box storage. Our heavy duty, industrial quality snips are made in the USA!



"UPRIGHT" AVIATION SNIPS

This patent pending design keeps your hands out of the way of your work! Uniquely designed with a 90° handle/blade design - makes cutting easier when material can't be turned or when working in tight spaces. Great for overhead

work or when reaching through an opening. Latch keeps handles closed when not in use for easy storage. Extremely high quality -

made in the USA!

P6900L Left Hand Cut - Red Handles \$26.85

P6900R Right Hand Cut - Green Handles \$26.85

10" STRAIGHT PATTERN TIN SNIPS

2-1/4" blade length. 10" long. Great for making long straight cuts, but also makes

curved cuts. Precision made in the USA!

2SN \$20.95



10" CIRCULAR PATTERN TIN SNIPS

2-1/4" blade length. 10" long. Unique blade design is perfect for cutting circles and

curves. Made in the USA!

5SN \$20.95



13" STRAIGHT PATTERN TIN SNIPS

3" cutting blade length. 13" long. Precision made in the USA.

3SN \$24.95



HEAVY DUTY TINNER SNIPS WITH REPLACEABLE BLADES

Feature 3-1/2" long cutting blades which are easily replaced. Handles are cast of magnesium

for maximum strength with minimum weight, 13" overall

length. Precision made in the USA!

M1200 Tinner Snips \$39.85

M1200-R Replacement Blade Set \$13.85



SCRIBES / PICKS

TWO POINT SCRIBER

Hardened steel needle points are fixed to a knurled body. One straight point and one 90 degree point. 8-1/2" overall length.

Made in the USA!





PENCIL SCRIBE

Pencil style scribe features a carbide tipped scribing end with a handy magnet on the other end. Protective cap and pocket clip included. **Made in the USA!**

BAT-PSC-2 \$8.75



4 PIECE HOOK & PICK SET

This handy set contains four different tools - each with a different end. Great for scribing, and removing old "O" rings, sealant, and gaskets. Includes a nice vinyl pouch for easy tool box storage.

Made in the USA!

SHP904 \$10.95



4 PIECE HOOK & PICK SET WITH COMFORT GRIP HANDLES

Manufactured by Williams Tool (a division of Snap-On®). Handy assortment is perfect for o-ring removal, scribing, and parts alignment. Comfort grip handles reduce hand fatigue.

40201 \$21.95



MACHINIST DIVIDERS

A must have tool for every sheet metal technician. Great for laying out circles or for evenly scribing straight edges.

Hardened steel points - you adjust to the desired width up to 6".

DIV-1 \$9.95

CRESCENT® SCRATCH AWL

Great for scribing and parts alignment. Tapered cushion grip handle provides comfort. Famous Crescent quality.



AUTOMATIC CENTER PUNCH

Alloy hardened steel tip. Tension is adjustable. Perfect for marking fastener holes prior to drilling.

ACP-001 \$8.95



12 PIECE NEEDLE FILE KIT

Twelve assorted files with plastic grips are perfect for precision filing in a variety of areas on a wide range of materials. Manufactured of high carbon steel, hardened and tempered for long life. Nice, fitted vinyl pouch included for easy tool box storage.

NF-10 \$10.85



HAMMERS

"NO-MAR" BRASS SAFETY HAMMER

Non-sparking high purity brass hammer with solid hickory handle. Brass hammers are often used for installing fasteners, because the brass is softer than standard steel hammers and will not typi-

cally damage tool - made in the USA!



Part Number	Head Diam.	Weight	Price
751	1"	1lb	\$29.95
752	1-1/4"	2lb	\$39.95
755	1-3/4"	5lb	\$84.45

"NO-MAR" PLASTIC SCREW-ON TIP HAMMERS

Our high quality No-Mar Hammers are made in the USA and feature solid hickory handles with easily replaceable tips. Red tip is medium density vinyl, green tip is a harder density vinyl. Choose from three different tip sizes: 1", 1-1/2", or 2".



1" FACE "NO-MAR" HAMMER

Head length is 3-1/2". Weighs 6oz. 11" handle length.

770A Hammer with 1" Tips \$21.95 770A-RED 1" Red Replacement Tip \$4.85 770A-GRN 1" Green Replacement Tip \$4.85

1-1/2" FACE "NO-MAR" HAMMER

Head length is 4-1/2". Weighs 14oz. 12" handle length.

772A Hammer with 1-1/2" Tips \$27.95 772A-RED 1-1/2" Red Replacement Tip \$6.25 772A-GRN 1-1/2" Green Replacement Tip \$6.25

2" FACE "NO-MAR" HAMMER

Head length is 5". Weighs 25oz. 13" handle length.

774A Hammer with 2" Tips \$29.95 774A-RED 2" Red Replacement Tip \$6.95 774A-GRN 2" Green Replacement Tip \$6.95

GARLAND RAWHIDE HAMMERS

Garland is recognized as the premier manufacturer of Rawhide Mallets in the world. These high quality hammers are non-marring and ideal for use on a variety of surfaces. Choose from two different face sizes. Balanced handle is made from solid

hickory. Made in the USA!

Model	Face Diam.	Head Length	Weight	Price
GRH-06	1-1/2"	3"	6oz	\$21.95
GRH-11	2"	3-1/2"	11oz	\$29.95

BALL PEIN HAMMERS WITH FIBERGLASS HANDLES

High quality Williams Tool brand. Fiberglass handles with cushion grip are slip resistant and comfortable. Hammer heads are drop forged from specially selected steel and carefully heat treated for superior strength, 🗥 hardness and uniformity. Choose from

five different models.

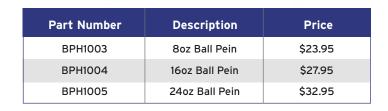
Model	Description	Price		
WT20542	8oz Ball Pein Hammer	\$15.95		
WT20543	12oz Ball Pein Hammer	\$16.95		
WT20544	16oz Ball Pein Hammer	\$18.95		
WT20545	24oz Ball Pein Hammer	\$21.95		
WT20546	32oz Ball Pein Hammer	\$24.95		

BALL PEIN HAMMERS

Quality Wilde brand. The aerospace industry standard and a must for any aircraft technician. Heavy duty solid hickory handles. Not these high-quality Ball Pein Hammers are a cheap import,

made in the USA! 😅









GARLAND NON-MARRING PLASTIC MALLETS

Non-Marring Plastic Mallets are manufactured by Garland Mfg. of their proprietary "Gar-Dur" ultra-high molecular weight plastic. This special nonporous material resists marring and is easily cleaned. Garland has been in business since 1866 and is considered by many to be the leading American manufacturer of

high quality soft faced hammers and mallets. Solid hickory handles. Choose from two different sizes. Made in the USA! 💓



1-1/2" Diameter x 3" Long Face Weighs 4oz 10" overall length BAT-15002 \$10.95

2-1/2" Diameter x 4-7/8" Long Face Weighs 19oz 13-1/2" overall length BAT-15005 \$17.45

HIGH-VIS DEADBLOW HAMMER

High quality deadblow hammer - made in the USA by Williams **Tool** (a division of Snap-On®). Hard urethane construction will not

mar most surfaces but holds up well and resists head damage. 🚤



Model	Weight	Length	Face Diam.	Price
JHW-32	2 lbs	13-1/2"	2"	\$39.95
JHW-48	3 lbs	15"	2-1/4"	\$48.95

NEW PRODUCT!

1-1/2" SOFT FACE HAMMER WITH "DEAD-BLOW" **SHOT FILLED HEAD**

Excellent high-quality tool built for the professional! Head of this hammer is shot filled which helps to reduce rebound and transmits more force to your work. 12-1/2" fiberglass handle is 4X stronger than comparable wood handles. Includes two replaceable

> 1-1/2" diameter soft-face hammer tips – one red (softer density) and one green (tougher density). Made in the USA by Williams/Snap-On® Industrial Brands.



HSF151A-RG Hammer with Red & Green Tips \$39.95 HSF-15M 1-1/2" Red Replacement Tip \$8.95 HSF-15T 1-1/2" Green Replacement Tip \$8.95

2LB "DEAD BLOW" HAMMER

The inside of this hammer is filled with hundreds of pieces of metal shot. Hammer delivers a hard, solid blow and will not

bounce. Ideal for metal forming operations. High quality import.

DBH-2 \$19.95





8 PIECE SOFT FACE "DEAD-BLOW" HAMMER KIT

This super high quality kit contains one shot filled "dead blow" hammer handle with six different 1-1/2" diameter interchangeable striking faces. With this kit you are sure to have the specialty hammer you need when you need it. 12-1/2" long fiberglass handle is 4X stronger than comparable wood handles. The shot filled head is manufactured from a durable, non-marring composite material. Replaceable tips thread directly into the hammer head. Packaged in a heavy-duty fitted case for easy storage when not in use. Manufactured in the USA by Williams/Snap-On® Industrial Brands.

Hammer Tips Included:

- · Brown Tip Soft Density
- Red Tip Medium Density
- · Cream Tip Medium-Hard Density
- · Black Tip Hard Density
- Steel Tip
- Brass Tip

HSF-8SET \$89.95





WILLIAMS PLIERS



Williams Tool has been making tools since the 1880s and has a long standing reputation for extremely high quality tools that "get it done". Williams is now a member of the Snap-On family and their great tradition of manufacturing the highest quality tools continues.

Our Williams Pliers are **MADE IN THE USA** and all models feature double-dipped handles for superior comfort and durability.

PL-126C \$24.85

7-1/4" HIGH LEVERAGE DIAGONAL CUTTING PLIERS

Induction hardened cutting edges for superior performance and long life.



11" EXTRA LONG NEEDLE NOSE PLIERS

6-1/4" 90° NEEDLE NOSE PLIERS

Hardened diamond serrated jaws. Great for access to tight areas.

Great for access to confined areas. 2-13/16" jaw length.



11" EXTRA LONG HANDLE DIAGONAL CUTTING PLIERS

Offset head with induction hardened cutting edges for long life.



11" EXTRA LONG 45° NEEDLE NOSE PLIERS

Bent nose provides access to obstructed areas. 2-9/16" jaw length.



6-3/4" NEEDLE NOSE PLIERS

Hardened diamond serrated jaws. 2-5/16" jaw length.



6-1/2" DUCK BILL PLIERS

Flat wide nose for secure grip. 2-1/16" jaw length.

PL-146C \$22.75





LOCKING PLIERS / ADJUSTABLE WRENCHES



BAHCO SLIM HEAD ADJUSTABLE WRENCHES

Slim Head design with tapered jaws provides additional accessibility over standard models. Highly visible measurement scale is etched on head for easy and repeatable adjustment. Manufactured of hardened industrial grade steel by BAHCO (a division of Snap-On®). Black phosphate finish offers superior corrosion resistance. Choose from five different lengths to suit your job.

Model	Length	Jaw Capacity	Price
8071RUS	8"	1-1/16"	\$21.95
8072RUS	10"	1-1/8"	\$24.95
8073RUS	12"	1-5/16"	\$39.95
8074RUS	15"	1-11/16"	\$62.95
8075RUS	18"	2-1/16"	\$88.95



CRESCENT® RAPIDSLIDE™™ ADJUSTABLE WRENCHES

World famous Crescent® quality. Slide button mechanism in-handle for QUICK size adjustment. Manufactured of forged steel with a chrome finish to resist rust and corrosion. SAE/Metric sizes are laser etched on the head of the tool for easy identification and repeatable set-up. Choose from two sizes.

Model	Length	Jaw Capacity	Price
AC8NKWMP	8-1/2"	1"	\$24.95
AC10NKWMP	10"	1.2"	\$32.95



High quality – precision pin prevents loosening of lower jaw. Made in the USA!

Part Number	Length	Jaw Capacity	Price
AWB8	8"	1-1/8"	\$21.95
AWB10	10"	1-9/32"	\$25.95
AWB12	12"	1-1/2"	\$39.95
AWB18	18"	2-1/8"	\$99.95
AWB24	24"	2-1/2"	\$129.95

Our high quality Locking Pliers feature an industry standard one-hand release lever for ease of use. Choose from Curved Jaw, Straight Jaw, or Needle Nose styles in several lengths to suit your application. Manufactured by Williams Tool (a division of Snap-On®). Imported.



STRAIGHT JAW LOCKING PLIERS

Model	Overall Length	Price
WM23304	7"	\$9.85
WM23305	10"	\$10.85



CURVED JAW LOCKING PLIERS

Model	Overall Length	Price
WM23301	5"	\$8.95
WM23302	7"	\$9.95
WM23303	10"	\$10.95



NEEDLE NOSE LOCKING PLIERS

Model	Overall Length	Price
WM23309	6"	\$9.95
WM23310	9"	\$10.95



WILLIAMS WRENCHES



WILLIAMS SUPERCOMBO® WRENCHES

Superior American made wrenches. Open end has specially designed grooves that contact fasteners on the flats and direct force away from corners, eliminating corner rounding. A 45° chamfer on the jaw tips allows for easy fastener insertion. The box end features the Williams Tool exclusive SUPERTORQUE® lobular design that prevents rounding of nut and bolt heads. The rounded edge handles have no sharp corners and provide a comfortable grip. Wrench size is clearly stamped on each handle for quick and easy size selection. Durable satin chrome finish. **Made in the USA** by Williams Tool (a division of Snap-On®).



7 PIECE SET IN ROLL POUCH 😅

Includes: 3/8", 7/16", 1/2", 9/16", 5/8", 11/16" & 3/4"

WS-1170SCA Satin Chrome Finish \$99.95



11 PIECE SET IN ROLL POUCH 😅

Includes: 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16" & 1"

WS-1171SCA Satin Chrome Finish \$198.95



SUPERTORQUE® box opening design allows application of higher torque without rounding or



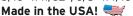
deforming fastener. 60° offset box end gives extra knuckle clearance. Satin Chrome finish. Roll pouch included for easy storage. Includes sizes: 1/4" x 5/16", 3/8" x 7/16", 1/2" x 9/16", 5/8" x 3/4", 11/16" x 13/16", 3/4" x 7/8", and 15/16" x 1".

Made in the USA!

WS-8707 \$143.95

WILLIAMS 5 PIECE MINI OPEN END WRENCH SET

Great for use in tight areas. Shortest wrench in this set is only 2-7/8" long, longest wrench in the set is only 4-3/8" long. Roll Pouch for storage included. Satin Chrome finish. Includes sizes: 3/16" x 7/32", 1/4" x 9/32", 5/16" x 11/32", 3/8" x 7/16", and 1/2" x 9/16"



WS-1605 \$59.95



WILLIAMS DOUBLE HEAD RATCHETING BOX WRENCHES

A must for every aircraft technician. Our Ratcheting Box Wrenches feature a high polish chrome finish. Choose from standard flat set or for access to more difficult areas, choose the 25° offset set. Both come packaged in a roll pouch for easy tool box storage. **Made in the USA** by Williams Tool (a division of Snap-On®).

5 PIECE DOUBLE HEAD RATCHETING BOX WRENCH SET

Includes 1/4" x 5/16" (6 point), 3/8" x 7/16" (6 point), 1/2" x 9/16"

(6 point), 5/8" x 11/16" (12 point), and 3/4" x 7/8" (12 point).

0 0 0 0

WS-12 \$88.95

5 PIECE DOUBLE HEAD 25° OFFSET ₩

Ratcheting Box Wrench Set Includes the same sizes as in the WS-12 set - all are 12 point.

WS-5 \$98.95



WILLIAMS WRENCHES / SOCKET SETS

WILLIAMS 8 PIECE FLEX-HEAD RATCHETING COMBO WRENCH SET

Awesome quality - these flex-head wrenches are perfect for the aircraft maintenance environment and will make many jobs much easier to accomplish. Flex-Head pivots a full 90° in either direction for access in tight areas. Reversing lever is conveniently located for quick direction changes. High polish chrome finish. Sizes are clearly stamped on the handle for easy size selection. Plastic storage tray included. Contains sizes:

5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", and 3/4". Manufactured by Williams Tool. Imported.

WS-1168RCF \$148.95

WILLIAMS STANDARD COMBINATION WRENCHES

These fine wrenches offer the quality demanded by the aerospace industry at an economical price. Satin Chrome finish. 12 point box end provides easy fastener engagement and maximum versatility. Choose from three different sets. Vinyl storage pouch included. Manufactured by Williams Tool. Imported. 11002 SHOWN **9 PIECE WRENCH SET** Includes: 1/4", 5/16", 3/8", 7/16", 1/2", 9/16",

11002 \$62.95

11 PIECE WRENCH SET

5/8", 11/16", and 3/4".

Includes: 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", and 1".

11004 \$99.95

14 PIECE WRENCH SET

Includes: 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1", and 1-1/16"

11005 \$158.95

WILLIAMS 1/4" DRIVE 12 POINT SOCKET SET - 27 PIECES

Great starter set for A&P students, or any aircraft technician. High quality import manufactured by Snap-On® Industrial Brands / Williams Tool. Packaged in a heavy-duty fitted case for easy storage and tool accountability. Durable chrome finish for long life.

Kit Includes:

- 5-1/4" Pear Head 1/4" **Drive Ratchet**
- 1-1/2" & 6" Extensions
- Spinner Handle (Screwdriver Style Handle)
- **Universal Swivel** Joint
- 12 ea. 1/4" Drive 12 Point Metric Sockets (4, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, & 14mm)



- 10 ea. 1/4" Drive 12 Point SAE Sockets (3/16", 7/32", 1/4", 9/32", 5/16", 11/32", 3/8", 7/16", 1/2", & 9/16")

WM50672 \$44.95

WILLIAMS 3/8" DRIVE 12 POINT SOCKET SET - 15 PIECES

Great general kit - perfect for the aircraft maintenance environment. High quality import manufactured by Snap-On Industrial Brands / Williams Tool. Durable chrome finish. Rugged, fitted storage case included for easy tool accountability.

Kit Includes:

- 7-3/4" Pear Head 3/8" Drive Ratchet
- 3" & 6" Extensions
- Universal Swivel Joint
- 11 ea. 3/8" Drive 12 Point SAE Sockets (1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", & 7/8")

WM50673 \$44.95





WILLIAMS 1/4" DRIVE SOCKETS

Our Williams Sockets and Socket Accessories are manufactured in the USA unless noted otherwise, and offer the quality, performance, and dependability demanded by professional technicians. Williams Tool has been manufacturing hand tools since the 1880's and as a Snap-On® owned company, you know their quality is superior.

WILLIAMS 13 PIECE 1/4" DRIVE SOCKET SET

Packaged in a heavy duty indestructible metal box with precision cut "keep-safe" tool control foam for easy storage and accountability. Manufactured in the USA of vanadium steel for professional results. Kit contains 5-1/2" Ratchet, 2" Extension, Spinner Handle, Universal Joint, and 9 Shallow Sockets (5/32" & 3/16 - 6 Point)

(1/4", 5/16", 11/32", 3/8", 7/16", 1/2", & 9/16" - 12 Point). Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.



WILLIAMS 6 PIECE 1/4" DRIVE DEEP 12 POINT SOCKET SET

SUPERTORQUE® lobular openings for greater turning power. Designed for quick engagement on both 6 and 12 point fasteners.

Includes clip rail for easy storage. Contains 5/16", 11/32", 3/8", 7/16", 1/2" & 9/16" Sockets. Made in

the USA!





WILLIAMS 10 PIECE 1/4" DRIVE DEEP 6 POINT SOCKET SET

Awesome quality with SUPERTORQUE® lobular openings for superior performance. Contains 3/16", 7/32", 1/4", 9/32", 5/16", 11/32", 3/8", 7/16", 1/2" & 9/16" Sockets. Clip rail included for easy storage.

Made in the USA!

WSMD-10HRC \$79.95



WILLIAMS 1/4" DRIVE UNIVERSAL JOINT

Made in the USA! M-140A \$17.95



WILLIAMS 1/4" DRIVE EXTENSIONS

Made in the USA! 😅 🕮



Model	Length	Price
M-102	2"	\$7.45
M-104	4"	\$7.85
M-115	6"	\$8.95
M-110	10"	\$12.95

WILLIAMS 1/4" FEMALE TO 3/8" MALE ADAPTOR

Made in the USA! MB-130 \$7.85





WILLIAMS 1/4" DRIVE RATCHET

Sealed narrow head design protects inner gears from dust and debris. 5-1/4" overall length. Chrome plating prevents rust and corrosion. 36 tooth gear with 10 degree of engagement permits use in very tight working areas. Very high quality ratchet - made

in the USA!

M-52EHA \$30.95



WILLIAMS 1/4" DRIVE FLEX HANDLE BREAKER BAR

Made in the USA! M-42A \$17.85



WILLIAMS 1/4" DRIVE SPINNER HANDLE

Made in the USA! M-106A \$10.85

WILLIAMS 1/4" DRIVE SLIDING T HANDLE

4-1/2" long. Imported.

30008 \$9.95



WILLIAMS 1/4" DRIVE SPEEDER HANDLE

Great for removing aircraft panels. 15-1/2"overall length. Made in the USA!







WILLIAMS 3/8" DRIVE SOCKETS

WILLIAMS 15 PIECE 3/8" DRIVE SOCKET SET

Packaged in a heavy duty, indestructible metal box with precision cut "keep-safe" tool control foam for easy storage and accountability. Manufactured in the USA of vanadium

steel for professional results. Kit contains 8" Ratchet, 3", 6" & 11" Extensions, 8-1/2" Flex Handle, Universal Joint and nine 12 Point Sockets (3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16" & 7/8"). Sockets feature SUPERTORQUE® lobular openings for greater turning power without



deforming the fastener. WSB-15FTB \$179.95

WILLIAMS 9 PIECE 3/8" DRIVE DEEP 12 POINT SOCKET SET

SUPERTORQUE® lobular openings for greater turning power. Designed for quick engagement on both 6 and 12 point fasteners. Includes clip rail for easy storage. Contains 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16" & 7/8" Sockets.

Made in the USA!

WSBD-9RC \$74.95



WILLIAMS 7 PIECE 12 POINT UNIVERSAL SOCKET SET

Provides access to confined areas and a must for aircraft technicians. Contains 3/8" 7/16", 1/2", 9/16", 5/8", 11/16" & 3/4" Universal Sockets.

Manufactured in the USA!

WSB-7U \$129.95



WILLIAMS 3/8" DRIVE UNIVERSAL JOINT

Made in the USA! B-140A \$19.85



WILLIAMS 3/8" FEMALE TO 1/2" MALE ADAPTOR

Made in the USA! BS-130 \$7.95





WILLIAMS 3/8" DRIVE RATCHET

Sealed narrow head design protects inner gears from dust and debris. 8" overall length. Chrome plating prevents rust and corrosion. 36 tooth gear with 10 degree of engagement permits use in very tight

working areas.

Very high

quality ratchet - made in the USA!

B-52EHA \$39.85

WILLIAMS 3/8" DRIVE FLEX HANDLE BREAKER BAR

Made in the USA! B-40A \$19.95



WILLIAMS 3/8" DRIVE SLIDING T HANDLE

Made in the USA! B-20A \$16.95

WILLIAMS 3/8" DRIVE EXTENSIONS

Made in the USA!



TOLL FREE 800.587.3883 LOCAL 405.688.6888 FAX 405.688.6555 E-MAIL information@browntool.com

Model	Length	Price
B-101	1-1/2"	\$6.95
B-108	3"	\$8.75
B-110	6"	\$10.85
B-115	11"	\$13.95



CDI TORQUE WRENCHES



Our Torque Wrenches are manufactured by CDI Torque Products (a Snap-On® company). CDI is one of the largest manufacturers of industrial quality torque products in the world and their products are **manufactured in the USA** to the highest standards.



CDI COMPUTORQ3 DIGITAL TORQUE WRENCHES WITH FLEX HEAD

The COMPUTORQ3 electronic torque wrench is a simple to use tool that displays torque in any of four torque units - ft.lbs, in.lbs, Nm, or kg.cm. Simply set the desired torque value and apply force until the green LED indicator illuminates. Choose from 1/4", 3/8", or 1/2" drive.

- Head flexes up to 15° for access to a range of areas.
- Large, easy to read display.
- Long battery life uses CR123 lithium batteries.
- Ergonomically designed non-slip rubber grip.
- Battery saving feature shuts off after two minutes on non-use.
- Automatically remembers the last torque unit used.
- Torques in both clockwise and counterclockwise direction.
- Audible tone sounds when set torque value is reached, if desired torque value is exceeded, an alarm tone will sound.
- 3 Color LED Light Bar

YELLOW LED – indicates approaching desired torque. GREEN LED – indicates desired torque value is reached. RED LED – Indicates fastener is overtorqued.

- Accurate to +/- 2% of readings from 20% to 100% of full scale.
- Ships fully calibrated and ready to use NIST traceable calibration certificate included.
- Manufactured in the USA fitted case included.

Model	Drive	Ft. Lb. Range	ln. Lb. Range	Length	Price
2401C13	1/4"	2 - 20	24 - 240	15"	\$398.95
1002CF3	3/8"	5 - 100	120 - 1200	17"	\$423.95
2503CF3	1/2"	25 - 250	300 - 3000	27"	\$467.95



CDI COMFORT GRIP MICROMETER ADJUSTABLE TORQUE WRENCHES

The aerospace industry standard "click style" torque wrench is fast, accurate, and easy to use. Ergonomic soft grip is comfortable and prevents slippage. Features an easy-to-read laser etched scale. Positive lock with spring loaded pull down lock ring. Meets or exceeds ASME B107.14-2004, ISO 6789 standards. Fitted storage case included. Ships fully calibrated and ready to use with NIST traceable certificate of calibration. Choose from three models. **Made in the USA!**

Model	Drive	Torque Range	Overall Length	Price
1501MRPH	1/4"	20-150 in.lbs.	10"	\$178.95
2502MRPH	3/8"	30-250 in.lbs.	11-1/4"	\$184.95
1503MFRPH	1/2"	20-150 ft.lbs.	19"	\$228.95



INSPECTION TOOLS

LIGHTED / TELESCOPING INSPECTION MIRROR

2" x 3" rectangular mirror features two extra-bright LED lights to enable inspection of hard-to-see areas. Uses 2 "CF2032" batteries which are included. 12-1/4" overall length extends to 33".



ROUND INSPECTION MIRROR

2-1/4" diameter mirror. Telescopes up to 14" in length for use in a variety of areas. High quality - made in the USA!

142 \$10.85



1" x 2" oval shaped mirror pivots in a variety of positions on 8-1/2" long handle with pocket clip. High quality - **made in the USA!**



18" FLEXIBLE INSPECTION MIRROR

1-3/4" x 2-1/2" mirror on an 18" FLEXIBLE shaft! You can position this mirror in any position. Shaft is flexible and durable for long life. Made in the USA!

BAT-KTFGC \$11.45

27" MAGNETIC PICK UP TOOL

Extends from 16" to 27" to retrieve dropped tools, hardware, etc. **Made in the USA!**

BAT-694 \$11.95



18" FLEXIBLE MAGNET

Powerful Neodymium Magnet will hold up to 2 lbs! Durable and flexible shaft holds firm and repositions easily for use in unusual



MULTI-TOOL FIBER OPTIC INSPECTION LIGHT

Perfect for viewing hidden areas or finding lost parts. Utilizes powerful krypton light and fiber-optic technology. Includes Inspection Light, 6" Angled Light Extension, 6" Straight Light

Extension, Inspection Mirror, and
Pick Up Magnet. The mirror
or the magnet attach directly to the
fiber-optic light extensions
allowing you
to use them in
awkward or low
light areas.
Requires two AAA
batteries - not included.
Made in the USA!

KLIK10C \$29.95

INSPECTION / MAGNIFIER LIGHT

Lighted 4X magnifying glass is perfect for up close visual inspection. Uses two AAA batteries which are included. Perfect for initial visual inspections of aircraft skins, fastener installations, etc. Illumination allows for use in low light areas. Magnifies items up to 4 times. 5" long, can easily be stored in your pocket or tool box.

BAT-553 \$11.95





SEALANT GUNS

AEROSPACE SEALANT GUN WITH PISTOL GRIP HANDLE

This high-quality sealant gun has quickly become the industry standard. Manufactured by APEX Tool Group (the same company that makes DOTCO® and Cleco® brand air tools). Compatible with any aircraft industry standard SEMCO® or SEMKIT® sealant cartridge.

- Pistol grip handle design for ease of use and maximum comfort.
- Comes complete with 6oz retainer and 3 ft air hose.
- 2-1/2 oz retainer or extra 6oz retainers available separately
- Unique Valox® trigger mechanism gives you the exact amount of sealant you need with no "weep". When you stop squeezing the trigger, the flow of sealant stops, resulting in LESS WASTE and LESS MESS!

Item Number	Description	Price
PG10260	Sealant Gun with 6oz Retainer	\$149.95
102025	2-1/2 oz Retainer Only	\$49.85
102060	6 oz Retainer Only	\$49.85





250-60Z Sealant Gun with 6oz Retainer \$149.95

220256 2-1/2 oz Retainer \$39.95 220928 6 oz Retainer \$40.95

SEALANT MIXER

Chuck the 1/4" shank of this tool into your drill and easily mix SEMKIT® Sealant Tubes.

BAT-MIX01 \$19.95



850-60Z Manual Sealant Gun with 6oz Retainer \$99.95

226819 2-1/2 oz Retainer \$34.95 226820 6 oz Retainer \$37.95

SEALANT ROLLER

A must have tool when working with aircraft sealants! Our Sealant Roller is specifically designed to efficiently apply sealant. 12" overall length. Hard rubber roller is 3" wide x 1-3/8" in diameter. Notice that our Sealant Roller has an open end - this is very important and is by design so that you can EASILY wrap the roller in tape for easy clean up when you are finished using the tool.

BAT-SR123 \$17.95



SEALANT NOZZLES & CARTRIDGES

Genuine SEMCO® brand Sealant Nozzles are threaded and attach to any aircraft industry standard sealant tube. Choose from a variety of lengths and tip opening diameters to suit your application. Tips can also be easily trimmed to increase the opening diameter. These sizes are in stock and available for immediate shipment. Other SEMCO® nozzles are available by special order. Made in the USA!

SEMCO® SEALANT NOZZLES



Part Number	Genuine SEMCO® Nozzles	Description	1-49 Pieces	50 & Up
220538		2-1/2" Long with 1/16" Tip Opening	\$1.48	\$1.19
220540		2-1/2" Long with 1/8" Tip Opening	\$1.48	\$1.19
220542		4" Long with 1/32" Tip Opening	\$1.69	\$1.34
220544		4" Long with 1/16" Tip Opening	\$1.69	\$1.34
220550		4" Long with 1/8" Tip Opening	\$1.69	\$1.34
220543		4" Long with 30° Bend, 1/32" Tip Opening	\$2.89	\$2.24
220559		8" Long with 1/8" Tip Opening	\$3.89	\$3.29
220586		4-3/8" Long x 3/4" Wide Tip with 1/8" Slotted Opening	\$4.29	\$3.65



Snaps on the back side of SEMCO® Sealant Cartridges. **Made in the USA.**

220238 \$0.99



NECK CAP

Threads into and seals the neck of SEMCO® Sealant Cartridges. Made in the USA.

234411 \$0.99

SEMCO® EMPTY CARTRIDGES

The aircraft industry standard! Fill with your own sealant or adhesive. Includes plunger. Internally threaded neck accepts all of the SEMCO® nozzles shown on this page. **Made in the USA.**

Part Number	Description	1-49 Pieces	50 & Up
220323	2.5 oz Cartridge	\$2.59	\$2.34
220325	6 oz Cartridge	\$2.75	\$2.48





SEALANT TOOLS

"SR" SEALANT CUTTERS BY 3M™

"SR" Sealant Cutters from 3M™ tackle the difficult job of removing aircraft sealants in a wide range of situations including aircraft wing fuel tanks. Because SR Cutters



Part No.	Description	Price
BAT-SR40-1	.40 inch diameter SR Cutter	\$5.95 each
BAT-SR40-5	.40 inch diameter SR Cutter	\$26.95 pack of 5
BAT-SR83-1	.83 inch diameter SR Cutter	\$6.85 each
BAT-SR83-5	.83 inch diameter SR Cutter	\$28.95 pack of 5



3 PIECE PLASTIC SEALANT SPATULA KIT

Contains three double-ended spatulas which are perfect for smoothing and shaping sealant beads. With spatula widths of 1/10" to 1/2", this handy kit is a must-have if you work with sealant. Storage pouch included. Spatulas have an overall length of 7". Made in the USA exclusively for Brown Tool.

BAT-SSK3PC \$9.95



SIOUX™ SEALANT REMOVAL KIT

Designed for use with 3M™ "SR" Sealant Cutters, Sioux™ has developed a new 90° Threaded Drill Motor that operates at 800 RPM. This new Sealant Removal Kit contains an 800 RPM Threaded Drill Motor with five each of both sizes of "SR" Cutters. Everything you need to easily remove aircraft sealant in a variety of applications. Comes complete with a heavy duty plastic case with precision cut foam for easy storage. **Made in the USA!**

Kit Contains:

- 1 ea. Model 1AM1151, SIOUX 800 RPM Threaded Drill
- 5 ea. Model BAT-SR40-1 .40 inch Sealant Cutters
- 5 ea. Model BAT-SR83-1 .83 inch Sealant Cutters
- 1 ea. Fitted Storage Case with Precision Cut Foam

1AM1151SRK \$698.95



4 PIECE SEALANT SPATULA KIT

The perfect tool for smoothing and shaping sealant beads. Four assorted spatulas manufactured from stainless steel – suitable for a variety of applications. Each spatula is approximately 7-1/2" long. Vinyl storage pouch included.

BAT-SSK4 \$10.85

SEALANT SCRAPERS

HEAVY DUTY SEALANT SCRAPERS

Our best selling scrapers! Manufactured exclusively for Brown Aviation Tool and specifically designed for the aerospace industry, these heavy duty sealant scrapers are perfectly suited for a variety of tough sealant removal jobs. The heavy duty construction also makes them useful for removing old stickers, decals, peeling paint, etc. Choose from eight different styles to suit your application.



Part Number	Description		1-9 Piece:	10-49 Pieces	50 & Up
BAT-ATH6	Narrow Head Scraper		\$4.95	\$4.35	\$3.90
BAT-ATH7	"Y" Head Scraper		\$4.95	\$4.35	\$3.90
BAT-ATH8	Wide Head Scraper		\$4.95	\$4.35	\$3.90
BAT-ATH10	Angled Head Scraper		\$4.95	\$4.35	\$3.90
BAT-ATH13	Curved Tube Head Scraper		\$4.95	\$4.35	\$3.90
BAT-ATH15	Curved Head Scraper	Curved Head Scraper		\$4.35	\$3.90
BAT-ATH16	Corner Scraper	Corner Scraper		\$4.35	\$3.90
BAT-ATH17	Narrow Head Curved Scrape	Narrow Head Curved Scraper		\$4.35	\$3.90
	SAVE WITH OUR K	(IT	S!		
Part Number	Description	ı	1-9 Pieces	10-49 Pieces	50 & Up
ват-атн4РС	4 Piece Kit (Includes -6, -7, -8, -10)	\$	17.95	\$15.95	\$14.45
ВАТ-АТН4РВ	4 Piece Kit (Includes -13,-15,-16,-17)	\$17.95		\$15.95	\$14.45
BAT-ATH8PC	8 Piece Kit (Includes all 8 styles)	\$3	34.95	\$30.95	\$27.95

LONG SEALANT SCRAPER

9" Long, tapered from 3/4" wide at one end to 1/4" wide on the other. Chiseled ends make sealant removal quick and easy. Manufactured in the USA from a heavy duty plastic fiber material. Orange in color.

Part	1-9	10-49	50
Number	Pieces	Pieces	& Up
BAT-530A	\$3.95	\$3.35	\$2.95



SEAT TRACK SCRAPER

Specifically designed to fit inside seat tracks and easily remove sealant and grime build up. 9" overall length. One end is 3/4" wide and is shaped to fit inside your seat track, the other end is 1/4" wide and can be used to remove sealant in any area. Manufactured in the USA from a heavy duty plastic fiber material for long life. Black in color.

Part	1-9	10-49	50
Number	Pieces	Pieces	& Up
BAT-211C40	\$4.85	\$4.35	\$3.75



HEAVY DUTY SEAT TRACK SCRAPER

Scraping end is perfectly designed to fit inside aircraft seat track and remove grime, sealant, etc. Perfect for cleaning seat track out so that you can properly evaluate it for corrosion or damage. 6-3/4" long. Ergonomically shaped handle design with finger recesses for ease of use. Made in the USA exclusively for Brown Aviation Tool.

Part	1-9	10-49	50
Number	Pieces	Pieces	& Up
BAT-ATH53	\$4.95	\$4.35	\$3.90



SEALANT SCRAPERS / BRISTLE DISCS

PHENOLIC SCRAPERS

Perfectly suited for use in the aircraft maintenance environment, use these scrapers to safely and easily remove sealants, adhesives, stickers, labels, grime, and more. Phenolic is extremely durable and will easily slice through aircraft sealants, but it will not damage any underlying metals or structure. Choose our Hand Scraper Blade for manual applications, or our Rivet Gun Scraper Blade for use in your rivet gun. Made in the USA!

HAND PHENOLIC SCRAPER 3/16" thick x 3/4" wide x 8-1/2" long.

Part Number	1-9 Pieces	10-49 Pieces	50 & Up
BAT-PH-01	\$3.95	\$3.45	\$2.95

PHENOLIC SCRAPER FOR RIVET GUN

3/8" thick x 2" wide x 6-1/2" long. .401 shank.

Part Number	1-9 Pieces	10 & Up
BAT-PHRG-02	\$19.85	\$17.95

RIVET GUN SEALANT SCRAPERS / CHISELS

Innovative product designed to be used in your .401 shank rivet gun to remove



sealant, grime, decals, etc. Manufactured from a heavy-duty fiber reinforced composite material for durability. Industry standard .401 shank for use with any brand of rivet gun - retaining spring recesses molded into tool for safety. **Manufactured in the USA** exclusively for Brown Aviation Tool. Choose from two different profiles – wide scraper has a 1-7/8" wide tapered end, narrow scraper has a 1/2" wide tapered end. Both versions have an overall length of 6-1/4".

Model	Description	Price Each	
BAT-SCRP-1	Wide Scraper	\$9.95	
BAT-SCRP-2	Narrow Scraper	\$9.95	
BAT-SCRP2PC	Set of Both Scrapers	\$17.95	

3M[™] ROLOC[™] BRISTLE DISCS Designed to efficiently clean or set, from metal surfaces without

Designed to efficiently clean or strip grime, sealants, primer, etc. from metal surfaces without damaging the underlying workpiece. Flexible bristle design conforms to irregular surfaces and works around fasteners - giving a consistent finish even on complex parts. Available from stock in three different grits and two diameters. Industry standard $Roloc^{TM}$ fastening stud. Color coded for easy grit selection.

Part No.	Diam.	Grade/Grit	Color	Max RPM	Price
BD18698	1"	50	Green	30,000	\$4.95
BD18706	1"	80	Yellow	30,000	\$4.95
BD18710	1"	120	White	30,000	\$4.95
BD18730	2"	50	Green	25,000	\$7.95
BD18732	2"	80	Yellow	25,000	\$7.95
BD18733	2"	120	White	25,000	\$7.95

3M™ and Roloc™ are registered trademarks of 3M Corporation.

BLUE SEALANT SPREADER / SQUEEGEE

Perfectly suited for spreading aircraft sealant. Twin ribs down the center provide stability and a perfect gripping point. 4" x 3"



with rounded corners. Made in the USA.

Part Number	1-9 Pieces	10-49 Pieces	50 & Up
229394	\$2.45	\$1.85	\$1.45



MINA-VAC AIR OPERATED VACUUM

This is the original "Mina-Vac", not a cheap imitation. 12" flexible hose included. Operates off of standard shop air. Trigger can "lock" into place for constant operation. Choose the heavy duty plastic body, or the all aluminum body. **Made in the USA!**



REPLACEMENT BAGS & CLIPS

These replacement bags and clips will work with any of the vacuum models we sell.

AT560-BAG Replacement Bag Only \$6.95 AT560-CLIP Replacement Bag Clip Only \$2.95

ALL METAL VACUUM

High quality - all metal construction. Trigger can lock for constant operation. Includes 12" hose for reaching into tight areas. High quality import with superior sucking power.



REPLACEMENT BAGS & CLIPS

The bag & clip will work with any of the vacuum models that we sell including the AT560 series.

BE-VAC-BAG Replacement Bag \$4.75

BE-VAC-CLIP Replacement Clip \$2.15

BE-VAC-TUBE Replacement Tube \$4.95

HEX KEYS / SCREWDRIVERS / FEELER GAGES

WILLIAMS 13 PIECE STANDARD HEX KEY SET

Includes a sturdy plastic holder which is clearly marked for easy size selection. Shortest hex key in set is 1-3/4" long, the longest hex key in the set is 4-1/2" long. Kit contains sizes .050, 1/16", 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32", 1/4", 5/16", & 3/8". Black oxide finish. Made in the USA!

10213 \$13.95



Ball hex key end allows 360° of rotation at up to a 30° angle and are easier to use than plain hex keys when you have obstructions in the way of your work. Kit contains sizes .050, 1/16", 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32", 1/4", 5/16", & 3/8". Black oxide finish. Made in the USA!

13213 \$18.85



FEELER GAGES

A must-have tool for aircraft technicians. Choose from 15 or 26 leaf versions. Each gage is 1/2" wide x 3" long.

15 LEAF GAGE INCLUDES GAGE SIZES: .002", .003", .004", .005", .006", .007", .008", .010", .011", .012", .013", .014", .015", .020", & .025"

BAT-FG15 15 Leaf Gage \$6.95

26 LEAF GAGE INCLUDES GAGE SIZES: .0015", .002", .0025", .003", .004", .005", .006", .007", .008", .009", .010", .011", .012", .013", .014", .015", .016", .017", .018", .019", .020", .021", .022", .023", .024", & .025"

BAT-FG26 26 Leaf Gage \$9.95



19 PIECE TIGHT AREA RATCHETING SCREWDRIVER KIT

Includes a reversible ratcheting screwdriver handle, 16 assorted screwdriver tips (Phillips, Common/Flat, Allen Hex, and a 1/4" drive square adaptor), a screwdriver handle, and an extension. Great for getting into areas where conventional screwdrivers will not work. Packaged in a heavy duty fitted storage case.

BAT-4320 \$37.95



WILLIAMS MAGNETIC RATCHETING SCREWDRIVER

An awesome quality tool by Williams Tool (a division of Snap-On®). Ergonomic handle is durable and comfortable. Heavy duty 3-way ratcheting mechanism (On-Off-Locked) allows consistent and smooth operation. Powerful magnetic shank securely holds bits in place. Five assorted bits included – bits store in handle. Accepts all industry standard 1/4" shank bits. Do not confuse this tool with the many poorly made Chinese knock-offs sold by some tool companies, this fine tool is **made in the USA and is built for professional use.**

WRS-1 \$39.95





SCREWDRIVER INSERT BITS



BAT-492-ACR



BAT-440-2



BAT-446-2-ACR

Our Screwdriver Insert Bits are manufactured and perfectly heat treated in small lots to assure consistent quality. Compare the quality of our Insert Bits to the competition and see why our Insert Bits are used in aircraft repair assembly and repair facilities all over the world.

Certain bits are available with ACR® "ribs" which are tiny grooves on the contact surface of the bit allowing a better "grip". Choose ACR® style bits for particularly tough applications.

Note: ACR® is a registerd trademark of the Phillips Screw Company and is used for reference only. Brown Aviation Tool Supply Co. is not licensed, sponsored, or affiliated in any way with the Phillips Screw Company.

PHILLIPS 1/4" HEX INSERT BITS

Part Number	Point Size	Style	Length	ACR Ribbed?	1-24 Pieces	25-99 Pieces	100 & Up
BAT-440-1	#1	Insert Bit	1"	No	\$.44	\$.39	\$.36
BAT-440-1-ACR	#1	Insert Bit	1"	Yes	\$.69	\$.62	\$.57
BAT-440-2	#2	Insert Bit	1"	No	\$.44	\$.39	\$.36
BAT-440-2-ACR	#2	Insert Bit	1"	Yes	\$.69	\$.62	\$.57
BAT-440-3	#3	Insert Bit	1"	No	\$.44	\$.39	\$.36
BAT-440-3-ACR	#3	Insert Bit	1"	Yes	\$.69	\$.62	\$.57
BAT-440-4	#4	Insert Bit	1-1/4"	No	\$.85	\$.77	\$.68
BAT-446-1	#1	Reduced Nose	1"	No	\$.47	\$.42	\$.38
BAT-446-2	#2	Reduced Nose	1"	No	\$.47	\$.42	\$.38
BAT-446-2-ACR	#2	Reduced Nose	1"	Yes	\$.70	\$.63	\$.59
BAT-491	#1	Power Bit	1-15/16"	No	\$.79	\$.72	\$.65
BAT-491-ACR	#1	Power Bit	1-15/16"	Yes	\$1.08	\$.99	\$.95
BAT-492	#2	Power Bit	1-15/16"	No	\$.79	\$.72	\$.65
BAT-492-ACR	#2	Power Bit	1-15/16"	Yes	\$1.08	\$.99	\$.95
BAT-493	#3	Power Bit	1-15/16"	No	\$1.09	\$.99	\$.91
BAT-493-ACR	#3	Power Bit	1-15/16"	Yes	\$1.49	\$1.32	\$1.19
BAT-491A	#1	Power Bit	2-1/2"	No	\$1.18	\$.99	\$.89
BAT-492A	#2	Power Bit	2-1/2"	No	\$1.18	\$.99	\$.89
BAT-493A	#3	Power Bit	2-1/2"	No	\$1.18	\$.99	\$.89
BAT-491B	#1	Power Bit	3-1/2"	No	\$1.38	\$1.25	\$1.13
BAT-492B	#2	Power Bit	3-1/2"	No	\$1.38	\$1.25	\$1.13
BAT-493B	#3	Power Bit	3-1/2"	No	\$1.38	\$1.25	\$1.13
BAT-491C	#1	Power Bit	6"	No	\$2.48	\$2.29	\$2.15
BAT-492C	#2	Power Bit	6"	No	\$2.48	\$2.29	\$2.15
BAT-493C	#3	Power Bit	6"	No	\$2.48	\$2.29	\$2.15

PHILLIPS 5/16" HEX INSERT BITS

Part Number	Point Size	Style	Length	ACR Ribbed?	1-24 Pieces	25-99 Pieces	100 & Up
BAT-480-2	#2	Insert Bit	1-1/4"	No	\$.89	\$.79	\$.70
BAT-480-2ACR	#2	Insert Bit	1-1/4"	Yes	\$1.39	\$1.18	\$.99
BAT-480-3	#3	Insert Bit	1-1/4"	No	\$.89	\$.79	\$.70
BAT-480-3ACR	#3	Insert Bit	1-1/4"	Yes	\$1.39	\$1.18	\$.99



TORQ-SET® & TRI-WING® INSERT BITS

TORQ-SET® 1/4" HEX INSERT BITS

We stock one of the largest inventories of specialty screwdriver insert bits in the aircraft industry. Our insert bits are precision manufactured and heat treated in small lots to assure consistent quality.

Certain bits are available with ACR® "ribs" which are tiny grooves on the contact surface of the bit allowing a better "grip". Choose ACR® style bits for particularly tough applications.





Part Number	Point Size	Style	Length	ACR Ribbed?	1-24 Pieces	25-99 Pieces	100 & Up
BAT-212-0	0	Insert Bit	1"	No	\$1.65	\$1.49	\$1.34
BAT-212-1	1	Insert Bit	1"	No	\$1.65	\$1.49	\$1.34
BAT-212-2	2	Insert Bit	1"	No	\$1.65	\$1.49	\$1.34
BAT-212-3	3	Insert Bit	1"	No	\$1.65	\$1.49	\$1.34
BAT-212-4	4	Insert Bit	1"	No	\$1.65	\$1.49	\$1.34
BAT-212-5	5	Insert Bit	1"	No	\$1.65	\$1.49	\$1.34
BAT-212-6	6	Insert Bit	1"	No	\$1.65	\$1.49	\$1.34
BAT-212-6-ACR	6	Insert Bit	1"	Yes	\$1.99	\$1.80	\$1.69
BAT-212-8	8	Insert Bit	1"	No	\$1.65	\$1.49	\$1.34
BAT-212-8-ACR	8	Insert Bit	1"	Yes	\$1.99	\$1.80	\$1.69
BAT-212-10	10	Insert Bit	1"	No	\$1.65	\$1.49	\$1.34
BAT-212-10-ACR	10	Insert Bit	1"	Yes	\$1.99	\$1.80	\$1.69
BAT-212-1/4	1/4	Insert Bit	1"	No	\$1.69	\$1.55	\$1.39
BAT-212-1/4-ACR	1/4	Insert Bit	1"	Yes	\$2.29	\$1.99	\$1.85
BAT-170-4	4	Power Bit	1-1/4"	No	\$1.79	\$1.59	\$1.48
BAT-170-5	5	Power Bit	1-1/4"	No	\$1.79	\$1.59	\$1.48
BAT-170-6	6	Power Bit	1-1/4"	No	\$1.79	\$1.59	\$1.48
BAT-170-8	8	Power Bit	1-1/4"	No	\$1.79	\$1.59	\$1.48
BAT-170-10	10	Power Bit	1-1/4"	No	\$1.79	\$1.59	\$1.48
BAT-170-1/4	1/4	Power Bit	1-1/4"	No	\$2.69	\$2.38	\$2.19
BAT-265-8	8	Power Bit	3-1/2"	No	\$6.79	\$5.98	\$5.39
BAT-265-10	10	Power Bit	3-1/2"	No	\$6.79	\$5.98	\$5.39
BAT-265-1/4	1/4	Power Bit	3-1/2"	No	\$7.98	\$7.19	\$6.48

TRI-WING® 1/4" HEX INSERT BITS





Note: Tri-Wing [®] , Torq-Set [®] & ACR [®] are
registerd trademarks of the Phillips
Screw Company. Brown Aviation Tool
Supply Co. is not licensed, sponsored,
or affiliated in any way with the Phillips
Screw Company.

Part Number	Point Size	Screw Size	Style	Length	1-24 Pieces	25-99 Pieces	100 & Up
BAT-TW-OD	0	#0	Insert Bit	1"	\$1.65	\$1.49	\$1.34
BAT-TW-1D	1	#2	Insert Bit	1"	\$1.65	\$1.49	\$1.34
BAT-TW-2D	2	#4	Insert Bit	1"	\$1.65	\$1.49	\$1.34
BAT-TW-3D	3	#6	Insert Bit	1"	\$1.65	\$1.49	\$1.34
BAT-TW-4D	4	#8	Insert Bit	1"	\$1.65	\$1.49	\$1.34
BAT-TW-5D	5	#10	Insert Bit	1"	\$1.65	\$1.49	\$1.34
BAT-TW-6B4D	6	1/4"	Insert Bit	1-1/4"	\$2.19	\$1.98	\$1.82
BAT-TW-7B4D	7	5/16"	Insert Bit	1-1/4"	\$2.19	\$1.98	\$1.82
BAT-TW-8B4D	8	3/8"	Insert Bit	1-1/4"	\$2.89	\$2.59	\$2.38
BAT-405-A4-3	3	#6	Power Bit	1-1/4"	\$2.24	\$1.99	\$1.80
BAT-405-A4-4	4	#8	Power Bit	1-1/4"	\$2.24	\$1.99	\$1.80
BAT-405-A4-5	5	#10	Power Bit	1-1/4"	\$2.24	\$1.99	\$1.80
BAT-405-A4-6	6	1/4"	Power Bit	1-1/4"	\$2.24	\$1.99	\$1.80



HI-TORQUE® / COMMON / TORX® / HEX HEAD BITS

INSERT BIT HOLDERS

Use to hold 1/4" hex or 5/16" hex screwdriver insert bits.





BAT-838

BAT-825

Part Number	Holds	Drive	1-9 Pieces	10 & Up
BAT-825	1/4" Hex Bits	1/4"	\$4.95	\$4.25
BAT-838	1/4" Hex Bits	3/8"	\$4.95	\$4.25
BAT-895	5/16" Hex Bits	3/8"	\$5.25	\$4.50

EXTENDED MAGNETIC BIT HOLDER

1/4" Hex Drive Shaft. Use to hold 1/4" or 5/16" hex insert bits. 3" overall length.



Part Number	Holds	1-9 Pieces	10 & Up
HSB66696	1/4" Hex Bits	\$4.85	\$3.95
HSB66700	5/16" Hex Bits	\$6.95	\$6.30

TORX® INSERT BITS



Part Number	Size	Length	1-24 Pieces	25-99 Pieces	100 & Up
BAT-T04	T4	1"	\$.89	\$.81	\$.69
BAT-T05	T5	1"	\$.89	\$.81	\$.69
BAT-T06	Т6	1"	\$.89	\$.81	\$.69
BAT-T07	T7	1"	\$.89	\$.81	\$.69
BAT-T08	Т8	1"	\$.89	\$.81	\$.69
BAT-T09	Т9	1"	\$.89	\$.81	\$.69
BAT-T10	T10	1"	\$.89	\$.81	\$.69
BAT-T15	T15	1"	\$.89	\$.81	\$.69
BAT-T20	T20	1"	\$.89	\$.81	\$.69
BAT-T25	T25	1"	\$.89	\$.81	\$.69
BAT-T27	T27	1"	\$.89	\$.81	\$.69
BAT-T30	T30	1"	\$.89	\$.81	\$.69
BAT-T40	T40	1"	\$.89	\$.81	\$.69

Note: TORX^{\otimes} is a registered trademark of Camcar Division of Textron and is used for reference only.

All of our insert bits are superior quality and heat treated in small lots to assure consistent quality!

HI-TORQUE® DRIVERS (ALSO KNOWN AS "COIN-SLOT" BITS)



Part Number	Drive	Recess	Screw Size	1-24 Pieces	25-99 Pieces	100 & Up
BAT-HTS-1	1/4"	1	#3-6	\$7.49	\$6.35	\$5.74
BAT-HTS-2	1/4"	2	#8	\$7.49	\$6.35	\$5.74
BAT-HTS-3	1/4"	3	#10	\$7.49	\$6.35	\$5.74
BAT-HTS-4	1/4"	4	1/4"	\$7.49	\$6.35	\$5.74
BAT-HTS-4A	3/8"	4	1/4"	\$12.90	\$11.65	\$10.49
BAT-HTS-5	3/8"	5	5/16"	\$12.90	\$11.98	\$10.75
BAT-HTS-6	3/8"	6	3/8"	\$13.45	\$12.45	\$10.90
BAT-HTS-7	1/2"	7	7/16"	\$29.85	\$28.35	\$26.90
BAT-HTS-8	1/2"	8	1/2"	\$29.85	\$28.35	\$26.90

Note: Hi-Torque® is a registered trademark of Voi-Shan and is used for reference only.

"COMMON" SLOTTED INSERT BITS - 1/4" HEX



Part Number	Screw Size	Length	1-24 Pieces	25-99 Pieces	100 & Up
BAT-445-1	4F-5R	1"	\$.59	\$.53	\$.47
BAT-445-2	6F-8R	1"	\$.59	\$.53	\$.47
BAT-445-3	8F-10R	1"	\$.59	\$.53	\$.47
BAT-445-4	10F-12R	1"	\$.59	\$.53	\$.47

HEX HEAD INSERT BITS



Part Number	Head Size	Length	Hex Shank	1-24 Pieces	25-99 Pieces	100 & Up
BAT-185-0	5/64"	1"	1/4"	\$.89	\$.82	\$.74
BAT-185-1	3/32"	1"	1/4"	\$.89	\$.82	\$.74
BAT-185-2	1/8"	1"	1/4"	\$.89	\$.82	\$.74
BAT-185-3	5/32"	1"	1/4"	\$.89	\$.82	\$.74
BAT-185-4	3/16"	1-1/4"	5/16"	\$1.09	\$.99	\$.93
BAT-185-5	7/32"	1-1/4"	5/16"	\$1.09	\$.99	\$.93
BAT-185-6	1/4"	1-1/4"	5/16"	\$1.09	\$.99	\$.93



WERA DIAMOND COATED INSERT BITS



Our very best insert bits! Use for your toughest jobs.

WERA Diamond Insert Bits feature thousands of tiny diamond particles bonded to the tip of the tool with no negative effect on the fit of the tool in the fastener head. The diamond coating dramatically reduces cam-out forces – resulting in superior grip and greatly reduced slippage. Our WERA Diamond Coated Bits are the tool you should call on when all others fail.



WERA DIAMOND COATED PHILLIPS INSERT BITS - 1/4" HEX

Part Number	Point Size	Length	Price
WE134940	#1	1"	\$2.95
WE134941	#2	1"	\$2.95
WE134942	#3	1"	\$2.95





WERA DIAMOND COATED TORQ-SET® INSERT BITS - 1/4" HEX

Part Number	Point Size	Length	Price
WE066640	#6	1"	\$4.98
WE066642	#8	1"	\$4.98
WE066644	#10	1"	\$4.98
WE066646	1/4"	1"	\$7.97



WERA DIAMOND COATED PHILLIPS POWER BIT - 1/4" HEX FOR USE WITH SCREW GUNS

Part Number	Point Size	Length	Price
WE134950	#1	2"	\$3.98
WE134951	#2	2"	\$3.98
WE134952	#3	2"	\$3.98





WERA DIAMOND COATED TORQ-SET® INSERT BITS - 1/4" HEX FOR USE WITH SCREW GUNS

Part Number	Point Size	Length	Price
WE066690	#6	2"	\$5.98
WE066692	#8	2"	\$5.98
WE066694	#10	2"	\$5.98
WE066696	1/4"	2"	\$8.95





We are an authorized master distributor of high quality WERA Screw Driving Tools.

WERA is one of the premier tool companies in the world and their German engineered Screw Driving Tools are used by the biggest names in the aerospace industry. With design features not found in lesser quality brands, we are confident that our customers will agree that WERA makes some of the finest tools in the world. Anyone can sell you a screwdriver; we want to sell you a screwdriver that you can count on for your toughest jobs.

WERA 6 PIECE KRAFTFORM® COMFORT SCREWDRIVER SET

Exclusive WERA design featuring the latest in ergonomics for superior comfort and performance. Hex at the base of the handle



WE031551 \$33.95

WERA 6 PIECE KRAFTFORM® SCREWDRIVER SET WITH LASERTIP® TREATMENT **OUR BEST SCREWDRIVERS!**

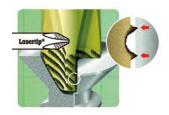
Patented and exclusive

Lasertip® blades provide maximum grip and prevent slippage. The blades of these screwdrivers are treated with a precisely focused laser which creates a hardened rough surface on the bit

resulting in the Lasertip®. The blade literally bites into the screw head - greatly reducing cam-out. Perfect for problem fasteners. Includes four assorted slotted

screwdrivers and two Phillips (#1 & #2). Plastic storage rack included.

WE105650 \$39.85







WERA 6 PIECE KRAFTFORM® MICRO PRECISION

SCREWDRIVER SET PERFECT FOR AVIONICS TECHNICIANS!

Same great features as the standard Kraftform® Screwdrivers including the high tech ergonomic comfort handle design and precision milled blades. Hex at base of handle prevents rolling perfect when you are working in an avionics bay. The quality of this set is unmatched. Includes four assorted slotted screwdrivers and two Phillips (#0 & #1). Plastic



storage rack included for easy tool box storage.

WE118152 \$33.95

WERA KRAFTFORM® PLUS SERIES TORQ-SET® SCREWDRIVERS

Exclusive Kraftform® ergonomic handle design provides maximum torque and superior comfort. Hex at base of handle prevents rolling. Precision milled tips for a perfect fit. Choose from four tip sizes.

Model	Description	Price
WE021830	#6 Torq-Set® Screwdriver	\$1075
WE021832	#8 Torq-Set® Screwdriver	\$10.75
WE021834	#10 Torq-Set® Screwdriver	\$1075
WE021836	1/4" Torq-Set® Screwdriver	\$11.45
WETQ-4PC	Set of all Four	\$34.95



SCREW REMOVAL TOOLS

EL BRUTUS SCREW EXTRACTOR

Invented by a retired Air Force mechanic, the El Brutus doesn't care if it's a Phillips®, Tri-Wing® or Hi-Torque®. When all other screw



removal tools fail, this is the tool to call on. Has a handy compartment to store bits when not in use. Folds up for easy storage. Complete instructions included. Choose from two different models. Made in the USA!

BRUT-5 #8 thru 1/4" Screw Capacity \$339.95 BRUT-7 1/4" thru 3/8" Screw Capacity \$379.95



Helps remove fasteners with stripped heads. A single drop of Screw Grab into the head of the stripped fastener will immediately increase your grip and torque by up to 400%. Works effectively with all styles of fasteners. One bottle will take care of 600-700 fasteners. Non-corrosive, non-staining, and non-toxic. .5 fl oz bottle. Made in the USA!



Part	1-9	10-49	50
Number	Bottles	Bottles	& Up
48100	\$7.95	\$6.15	

SCREW EXTRACTORS (EZ OUTS)

Left hand spiral flute extractors are perfect for removing broken

bolts and screws without damaging hole threads.

Made in the USA!



Part Number	Size	Use for Screw Sizes	1-24 Pieces	25 & Up
BAT-EZ-1	#1	3/32" to 5/32"	\$1.69	\$1.29
BAT-EZ-2	#2	5/32" to 7/32"	\$1.74	\$1.33
BAT-EZ-3	#3	7/32" to 9/32"	\$1.89	\$1.48
BAT-EZ-4	#4	9/32" to 3/8"	\$2.09	\$1.69
BAT-EZ-5	#5	3/8" to 1/2"	\$2.88	\$1.99

THREADED PAINT CUTTERS -**NOW COLOR CODED SIZES!**

Awesome quality and now MADE

IN THE USA! Use our Paint Cutters to remove a small ring of paint around screw heads that have been painted over and greatly reduce paint chipping and flaking during screw removal. Center pilot is spring loaded and stabilizes the tool as you cut away a thin ring of paint. Each size is now color coded for easy tool selection. Choose the five different sizes individually, or buy the five piece kit and save. Industry standard 1/4-28 threads so that you can use with our Chucking Spuds, see page 46 of this catalog. Made in the USA!

Part Number	Color	Description	Cutter Diameter	Price Each
BAT-PC04	Silver	#4 Paint Cutter	.254	\$20.95
BAT-PC06	Copper	#6 Paint Cutter	.280	\$20.95
BAT-PC08	Black	#8 Paint Cutter	.302	\$20.95
BAT-PC10	Brass	#10 Paint Cutter	.360	\$20.95
BAT-PC14	Copper	1/4" Paint Cutter	.462	\$20.95
BAT-PC5PC		Kit of all Five Size	es	\$89.95

1/4-28 THREADED **SCREWDRIVER BITS**

Available in a four piece set or individually. Features 1/4-28 threads for use in threaded tooling.



Part Number	Description	Price
BAT-00155	4 Piece Kit	\$7.95
BAT-00141	#1 Phillips Bit	\$2.29
BAT-00142	#2 Phillips Bit	\$2.29
BAT-00147	#3-4 Slotted Bit	\$2.29
BAT-00149	#6-8 Slotted Bit	\$2.29

"OLD MAN" SCREW KNOCKER / REMOVER

Use with your rivet aun to remove .401 shank, accepts a 3/8" drive bit Choose standard 8" or our stubby

SK001 8" Screw Knocker \$24.95 SK002 4" Screw Knocker \$22.95 BAT-838 3/8" Drive Bit Holder \$4.95

stubborn screws. holder (not included). 4" model. Handle included.



INDUSTRIAL HAND FILES

FLAT MILL FILE

Single smooth cut, our most popular style. Primarily used as a finishing file - leaves a nice, smooth finish. Choose 6", 8", or 10".



Part Number	Description	Price
BMRS06	6"	\$5.95
BMRS08	8"	\$7.95
BMRS10	10"	\$8.95

ROUND "RAT TAIL" FILE

Single smooth cut. Designed for filing concave surfaces or for enlarging holes. Choose 6", 8", or 10".

Part Number	Description	Price
BROSO6	6"	\$5.95
BROS08	8"	\$7.95
BROS10	10"	\$8.95

HALF-ROUND FILE

Single smooth cut. Perfect for filing concave surfaces or making a corner radius. Choose 6", 8", or 10".



Part Number	Description	Price
BHRS06	6"	\$8.95
BHRS08	8"	\$10.95
BHRS10	10"	\$11.95

SLIM TAPER FILE

Single smooth cut. Useful triangle shape gets into corners that others cannot. Choose 6", 8", or 10".



SUPER QUALITY!

We use our large buying power to bring you extremely high quality production grade hand files at a fraction of the cost of our competitors.

Our industrial grade hand files are manufactured by Mercer Abrasives®, and are built to handle the exacting requirements of the aerospace industry. When you buy a Mercer Abrasives® hand file, you are buying a top of the line, high quality tool. All Mercer Abrasives® Files meet federal specification # GGG-F325B.

CURVED TOOTH "METAL MOVER" FILE

A "must have" file for aircraft sheet metal technicians. Aggressive file with large teeth is designed for smooth and fast material removal. Choose 8", 10", or 12".



Part Number	Description	Price
ВМСТО8	8"	\$18.75
BMCT10	10"	\$20.75
BMCT12	12"	\$25.75

WOODEN FILE HANDLES

Kiln dried handle is made of hickory to avoid splitting and



finished for a smooth, comfortable grip. Easily installs on the tang of any of our hand files. Choose from two sizes.

Part Number	Size	Price
38200	For 6" & 8" Files	\$2.95
39300	For 8" & 10" Files	\$3.45

FILE CLEANING BRUSH

The perfect tool to remove built-up metal shavings in your file. Bristle portion is 4-1/2" x 1-1/2".

BAT-FBR1 \$8.75



TOLL FREE 800.587.3883 LOCAL 405.688.6888 FAX 405.688.6555 E-MAIL information@browntool.com

ABRASIVE DISCS & HOLDERS



QUICK CHANGE ABRASIVE DISCS AND HOLDERS

We sell and recommend the "Roll On" style quick change system. This system features a "male" screw on the back side of the abrasive disc which attaches to a "female" receptacle on the disc holder. This system is compatible with $3M \text{ Roloc}^{TM}$ abrasive discs and holders.

Part Number	Size	Grit	1-99 Pieces	100-499 Pieces	500 & Up
64912	2"	24	\$.66	\$.62	\$.56
64913	2"	36	\$.66	\$.62	\$.56
61155	2"	60	\$.66	\$.62	\$.56
64941	2"	80	\$.65	\$.61	\$.55
64917	2"	100	\$.65	\$.61	\$.55
61169	2"	120	\$.65	\$.61	\$.55
64916	2"	180	\$.65	\$.61	\$.55
64919	2"	240	\$.65	\$.61	\$.55
66875	2"	320	\$.65	\$.61	\$.55
61214	3"	24	\$.89	\$.77	\$.72
64938	3"	36	\$.89	\$.77	\$.72
66183	3"	60	\$.79	\$.71	\$.65
66191	3"	80	\$.79	\$.71	\$.65
66189	3"	100	\$.79	\$.71	\$.65
66184	3"	120	\$.79	\$.71	\$.65
66187	3"	180	\$.79	\$.71	\$.65
66225	3"	240	\$.79	\$.71	\$.65
63205	3"	320	\$.79	\$.71	\$.65

Note: $Roloc^{TM}$ and $Scotchbrite^{TM}$ are registered trademarks of 3M Corporation and are used for reference only. Our products are not licensed, approved, or manufactured by the 3M Corporation.



SURFACE PREPARATION DISCS

Similar to 3M Scotchbrite™, our Surface Preparation Discs feature a thick layer of abrasive grain bonded to a reinforced non-woven nylon pad. Designed to blend machine marks and other surface flaws.

Part Number	Description	1-49 Pieces	50-499 Pieces	500 & Up
66289	2" Coarse (Brown)	\$.99	\$.88	\$.81
66290	2" Medium (Maroon)	\$.99	\$.88	\$.81
66318	2" Very Fine (Blue)	\$.99	\$.88	\$.81
66322	3" Coarse (Brown)	\$1.39	\$1.29	\$1.09
66291	3" Medium (Maroon)	\$1.39	\$1.29	\$1.09
66323	3" Very Fine (Blue)	\$1.39	\$1.29	\$1.09

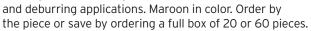
"ROLL ON" HOLDER PADS

Medium density holder pads feature a 1/4" diameter shank.

Part Number	Size	1-9 Pieces	10 & Up
90318	2"	\$9.95	\$7.89
90321	3"	\$10.95	\$8.69

GENERAL PURPOSE ABRASIVE HAND PADS

These 6" x 9" pads have a high abrasive content for long life on blending



93463	Single Pad	\$1.39 each
93463-B20	Box of 20 Pads	\$19.95 box
93463-C60	Case of 60 Pads	\$45.95 case



ABRASOTEX DEBURRING AND POLISHING WHEELS

Use these wheels for blending surface flaws, deburring rough edges, and general polishing. Both wheels have a 1" thru hole, but come complete with a 1/2" adapter – allowing you to use with a bench top grinder with either a 1/2" or 1" shaft. Wheels are 6" in diameter by 1" wide.

93205 Medium Grade Polishing/Deburring Wheel \$59.75 93453 Light Deburring Wheel \$45.85



All models feature a 1/4" shank for use with most die grinders and air tools. Use with our Spiral Sanding Bands below.



Part Number	Diameter x Width	Max RPM	1-9 Pieces	10 & Up
96904	1/2" x 1/2"	30,000	\$3.98	\$3.49
96910	3/4" x 3/4"	24,000	\$4.19	\$3.65
96916	1" x 1"	18,000	\$4.35	\$3.79
96922	1-1/2" x 1-1/2"	10,000	\$4.55	\$3.98
96927	2" x 1-1/2"	8,000	\$4.98	\$4.49



12 PIECE 2" LONG RUBBER SANDING DRUM KIT

This kit contains 2" long Rubber Sanding Drums in four different diameters - 1/2", 3/4", 1", & 1-1/2". Also includes 8 Spiral Sanding Bands - 1 coarse (50 Grit) and 1 fine (120 Grit) for each drum. All four drums have a 1/4" chucking shank. Includes fitted plastic tray for easy storage. **Made in the USA!**

BAT-RSDK12 \$18.95

SPIRAL SANDING BANDS

Aluminum Oxide Resin Bond for smooth finishing action. Use with our Rubber Expanding Sanding Drums above.



Diameter x Width	36 Grit	80 Grit	120 Grit	180 Grit	240 Grit	Pieces	& Up
1/2" x 1/2"	96619	96179	96069	96209	96564	\$.58	\$.47
3/4" x 3/4"	96609	96161	96226	96056	96859	\$.62	\$.51
1" x 1"	96072	96074	96177	96059	96178	\$.65	\$.53
1-1/2" x 1-1/2"	96164	96165	96066	96535	96260	\$.72	\$.61
2" x 1-1/2"	96509	96529	96586	96536	99992	\$.84	\$.72

FLAP WHEELS / SANDING DRUMS

GRIND-O-FLEX FLAP WHEELS

Designed for quick efficient deburring and polishing of a variety of surfaces. Mounted on 1/4" diameter shanks for use in most die grinders and air tools.



Part Number	Diameter x Width	Grit	1-9 Pieces	10 & Up
37102	1" x 5/8"	120	\$4.59	\$4.28
37101	1" x 5/8"	80	\$4.59	\$4.28
37312	1" x 1"	120	\$4.89	\$4.29
37311	1" x 1"	80	\$4.89	\$4.29
37372	2" x 1"	120	\$5.98	\$5.35
37371	2" x 1"	80	\$5.98	\$5.35
37252	3" x 1"	120	\$7.98	\$7.24
37451	3" x 1"	80	\$7.98	\$7.24



15 PIECE RUBBER SANDING DRUM KIT

This handy kit comes complete with 5 Rubber Sanding Drums (1/2" x 1/2", 3/4" x 3/4", 1" x 1", 1-1/2" x 1-1/2", & 2" x 1-1/2"). Also includes 10 Spiral Sanding Bands - 1 coarse (50 Grit) and 1 fine (120 Grit) for each drum. You get 15 pieces in all - packaged in a fitted plastic tray that you can use for easy tool box storage. 1/2" Drum has a 1/8" chucking shank, other four sizes have a 1/4" chucking shank. **Made in the USA!**

BAT-RSDK15 \$19.95

1-49

WIRE BRUSHES



SOLID END BRUSHES

Aggressive end brush is perfect for removing tough rust, corrosion, or grime build-up. 1/4" chucking shank. .020 carbon steel wire fill. 20,000 Max RPM. Starts at 1/2" diameter at base and flares out.

Part Number	1-9 Pieces	10 & Up
BNS420	\$4.89	\$3.94

MOUNTED ROUND WHEEL BRUSH

1-1/2" diameter wire bristle brush removes light rust, corrosion, or grime. 1/4" chucking shank. .010" wire fill. 1/4" wheel width.



Part Number	1-9 Pieces	10 & Up
BMF1410	\$6.45	\$5.69

CIRCULAR END BRUSH

1-1/2" diameter. Perfect for removing grime and corrosion. .008" carbon steel wire fill. 1/4" chucking shank.



Part Number	1-9 Pieces	10 & Up
BNF1408	\$8.38	\$6.98

BUTTERFLY BRUSHES

Great for use inside crevices and holes. 1/2" diameter, .006 carbon steel wire fill. 3/32" chucking shank.

Part Number	1-9 Pieces	10 & Up
BR-1/2-006	\$4.45	\$3.79



Excellent for detailing and removing sealant, grime, etc. As the brush becomes worn, cut the body back and expose a fresh brush surface. 1/4" diameter. 4" overall length.

Part Number	1-9 Pieces	10 & Up
DEB-1	\$7.98	\$7.24

ACID BRUSHES



Fine horse hair fill, tinned metal handle. 3/8" brush width. 6" overall length. Order in packs of 10 or save and order a full box of 144.

ACID1-10 Pack of 10 \$3.45 **ACID1-144 Box of 144** \$24.95



These "toothbrushes" are perfect for a variety of cleaning and material removal tasks in the aircraft maintenance environment. 6-7/8" x 1/2" wooden handle. 3 x 7 rows of bristles. Choose brass or steel bristles.

Model	Bristle	1-11 Pcs.	12-35 Pcs.	36 & Up
BAT-191200	Brass	\$2.29	\$1.89	\$1.49
BAT-191210	Carbon Steel	\$2.19	\$1.79	\$1.39



Perfect for cleaning and material removal. 10-1/4" wooden handle. 4 x 16 rows of carbon steel bristles.

Model	1-11 Pcs.	12-35 Pcs.	36 & Up
BAT-191100	\$2.95	\$2.38	\$2.09



SWAGING TOOLS / TUBING TOOLS

180° TRIPLE HEAD TUBE BENDER

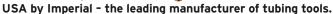
Awesome quality - our 370-FH by Imperial, enables you to make smooth, tight-radius 180° bends with ease. Lightweight diecast aluminum with cushion grips for comfort and ease of use. Calibrated markings for making accurate left-hand, right-hand, and offset bends with 3/16", 1/4",

3/8" and 1/2" tubing. Made in the USA by Imperial.

370-FH \$49.95

HEAVY DUTY 180° TRIPLE HEAD TUBE BENDER

Made of lightweight die-cast aluminum with cushion grips for comfort and ease of use. Unique, patented quick-action indexing lever repositions two-stage handle midway through bend when both handles begin to meet - this feature allows easy fabrication of bends up to 180° with reduced effort and better control. Calibrated markings are easy to see, tool works with 3/16", 1/4", 5/16", and 3/8" O.D. tubing. Made in the



470-FH \$49.95



LEVER TYPE TRIPLE HEADER TUBE BENDERS

Imperial Eastman brand. Great for bending copper, aluminum, brass, steel, stainless or other metals. Multiple tube size design does the work of three conventional type tube benders. Calibrated markings for making accurate left-hand, right-hand and offset bends. 90° start requires less effort; making bending fast and easy. Wide fixed hook simplifies operation, holds tubing securely. Black and chrome finish. Not one of the cheap imported tools that have flooded the market, ours is **made in the USA!**

367-FH (for 1/8", 3/16" and 1/4" tubing) \$37.95 368-FH (for 1/4", 5/16" and 3/8" tubing) \$41.95

"SWAGE-IT" CABLE SWAGING TOOL

Easy to use tool is **made in the USA**. Swages 1/16", 3/32" and 1/8" oval sleeves. Plated to prevent rust.

Complete instructions included.

SF-002 \$27.95



KNIPEX 95 61 190

CABLE CUTTER

Easily cuts up to 3/16" diameter cable.

Produces a clean, square cut on stainless or galvanized cable. 8" long. High quality - made in the USA!

SF-316 \$27.95

KNIPEX CABLE/WIRE ROPE CUTTER

Super high quality! Use to cut cable and medium hard wire up to 6mm (.236") in diameter. Manufactured from special high-grade tool steel. Cutting surfaces are induction hardened for long life

and feature
a unique blade
geometry to
help prevent
cable fraying
after cutting.

after cutting.

Manufactured by Knipex.

95-61-190 \$58.95

ROL-AIR 37º FLARING TOOL

This heavy duty IMPERIAL-EASTMAN Flaring Tool flares and burnishes 3/16", 1/4", 5/16", 3/8", 1/2" and 5/8" diameter soft copper, aluminum and brass. The faceted hard chrome finished cone rolls out perfect 37° flares and automatically burnishes the flare face. Slip-on yoke for use in tight quarters. Heat-treated dies grip tubing without scoring. **Made in**

the USA!

507-FB \$98.95



TUBING CUTTERS / HACK SAWS



STANDARD TUBING CUTTER

Adjustable to cut tubing from 1/8" thru 1-1/8" in diameter. **Made in the USA!**

BAT-350 \$22.95



MINI TUBING CUTTER

Easily cuts tubing from 1/8" to 5/8" in diameter. **Made in the USA!**

MINI \$10.95



BAHCO® CLOSE QUARTER HACK SAW

Perfect for difficult to reach areas. Works with all standard hack saw blades including broken blades at least 4" in length. All metal construction for durability and long life. **Manufactured by BAHCO® - a division of Snap-On®.** Includes one blade.

BAHC0208 \$15.95



BAHCO® MINI HACK SAW

High quality steel frame with durable fiberglass handle. Works with all industry standard 10" hack saw blades. Includes one 10" bi-metal blade. **Manufactured by BAHCO®.**

BAHC0268 \$18.75



BAHCO® STANDARD DUTY HACK SAW

High quality saw **manufactured by BAHCO®** (a division of Snap-On®). Durable aluminum handle. Blade can be mounted normally or at a 90° angle for flush sawing. Works with any industry standard 12" hack saw blade. Includes one bi-metal blade.

BAHC0317 \$20.75



BAHCO® HEAVY DUTY PROFESSIONAL HACK SAW

Our best hack saw! **Manufactured by BAHCO®** – features a comfortable ergonomically designed non-slip handle. Steel frame covered with a no-mar protective plastic. Blade can be mounted normally or at a 55° angle for close-cut sawing. Works with any industry standard 12" hack saw blade. One bi-metal blade included.

BAHC0319 \$34.95

REPLACEMENT HACK SAW BLADES

12" overall length, for use with any brand of hack saw. **Made in the USA.**

Part Number	Style	Price
BAT-418	18 teeth per inch	\$.99
BAT-424	24 teeth per inch	\$.99
BAT-432	32 teeth per inch	\$.99

"THE TREY" HELPS STOP F.O.D.!

The aerospace industry standard for storing fasteners and small parts. "The Trey" features eight individual compartments, or you can add our handy "drop-in" inserts and increase the number of compartments up to 16. Unlike our competition, ours is **made in the USA!**

- each see-through lid is spring loaded, it automatically closes shut!
- made of solvent-resistant high impact plastic
- compartment bottoms are curved for easy parts removal
- · handle recesses to permit stacking
- unit is 12-3/8" long x 7-1/4" wide by 2" high



"THE TREY" Part Number RT-8

1-11	12-47	48-143	144
Pieces	Pieces	Pieces	& Up
\$15.95	\$14.75	\$13.90	\$13.20



"THE TREY" INSERT Part Number RTI-2

1-11	48-143	144
Pieces	Pieces	& Up
\$1.95	\$1.85	\$1.75

BAHCO® SANDFLEX® HOLE SAW KITS

Manufactured by BAHCO® (a division of Snap-On® Tools), these HIGH QUALITY bi-metal hole saws are built to handle the tough applications found in the aerospace industry. Choose from 7 piece or 13 piece versions. Both kits are packaged in HEAVY DUTY, custom fitted cases. Do not confuse these industrial quality hole saws with the low cost versions sold by some tool companies, BAHCO® hole saws are built to last.

BAT-276 \$49.95

7 Piece Hole Saw Kit Contains: 7/8", 1", 1-1/8", 1-1/4" and 1-1/2" Hole Saws, Adapter and Arbor.



BAT-277 \$89.95

13 Piece Hole Saw Kit Contains: 3/4", 7/8", 1-1/8", 1-3/8", 1-1/2", 1-3/4", 2", 2-1/4" and 2-1/2" Hole Saws, two Arbors, Pilot Drill and Adapter.



STARRETT® CALIPERS

Starrett

We are proud to have been named an authorized master distributor for Starrett® brand products – we buy direct from the factory with absolutely no middle man! Starrett® is an iconic American brand that has been in business since 1880 and is one of the most respected names in the metal working industry. We stock the Starrett® products shown on the next few pages for immediate delivery. We can also supply any Starrett® product not shown in our catalog by special order.



STARRETT® 6" DIGITAL CALIPER - USA MADE!

- .0005"(0.010mm) resolution for extreme accuracy.
- Large, easy to read LCD .310" character height.
- Hardened stainless steel measuring surfaces for long life.
- "IP67" compliant extremely dust and liquid resistant!
- Linear accuracy complies with the "DIN862" standard.
- . Can be used in inch or mm increments.
- Can be "zeroed" at any position.
- Uses standard CR2032 3V battery (included) expect about one year battery life under normal use.
- Heavy duty fitted case included for easy storage and protection when not in use.
- MADE IN THE USA! (this is, to our knowledge, the ONLY American made digital caliper!)

798A-6/150 \$189.95



The industry standard dial caliper - used by tens of thousands of professionals throughout the metal working industry. Choose WHITE, RED, or BLACK face.

- · Hardened stainless steel bar, measuring surfaces, rack, gears, and depth rod for accuracy and long life.
- Precise dial graduations of .001", one revolution = .100"
- · Knife-edge contacts for both inside and outside measurements.
- Easy, one-handed use with thumb operated fine adjustment roll.
- Heavy-duty, padded and fitted storage case included.
- MADE IN THE USA!

White Face with Black Numbers \$169.95 120A-6 B120A-6 Black Face with White Numbers \$169.95 R120A-6 Red Face with White Numbers \$169.95



The STARRETT® "Global Series" products below are manufactured in a Starrett® owned factory in China to the highest standards. The "Global Series" offers the perfect opportunity for the beginner on a budget to own a high-quality Starrett[®] tool.



STARRETT® 6" DIGITAL CALIPER -**GLOBAL SERIES**

- Large, clear, easy-to-read LCD display.
- Thumb operated fine adjustment roll.
- Hardened stainless steel measuring surfaces for long life.
- .0005" resolution for super precise measurements.
- Can be "zeroed" at any position.
- Uses standard 3V battery (included) expect about one year battery life.
- Plastic fitted case included.

799A-6/150 \$154.95 (ft)



· Hardened stainless steel bar, rack, gears, and measuring

- surfaces for long life. • Thumb operated fine adjustment roll with adjustable bezel.
- · Lock screws for sliding jaw and dial bezel.
- Sharp, clear dial graduations of .001" (.100" per revolution)
- Plastic fitted case included for easy storage.

1202-6 \$109.95

GLOBAL SERIES



STARRETT® 4" "MINI" DIAL CALIPER -**GLOBAL SERIES**

Most measurements taken with a dial caliper are less than 4". This MINI Caliper solves the problem of having more caliper than you need and saves room in your tool box! Has all of the features of the model 1202-6, just in a slightly smaller form. This 4" Caliper and its case are small enough to carry in your pocket.

1202-4 \$84.95





STARRETT® 0-1" MICROMETER - USA MADE!

The tried and true workhorse of the metal working industry - used by skilled craftsmen worldwide.



- Starrett® satin chrome "no-glare" finish, resists rust.
- Reads in .0001" graduations.
- Hardened and stable one-piece spindle this is what makes Starrett® Micrometers so accurate and reliable.
- · Carbide measuring faces for durability and long life.
- Decimal equivalents etched on frame for easy reference.
- Heavy-duty fitted & padded storage case included.
- MADE IN THE USA!

T230XRL \$158.95



STARRETT® 0-1" DIGITAL **MICROMETER - USA MADE!**

High quality tool designed for the professional.

- Large, easy-to-read .275" high contrast LCD readout.
- Starrett® satin chrome finish no glare resists rust.
- Extremely accurate reads in .00005" graduations!
- Hardened and stable one piece spindle.
- · Micro-lapped carbide measuring faces for accuracy and durability.
- Meets "IP67" standards extremely dust & liquid resistant.
- Includes two standard 3V batteries. Auto shut-off after non-use prolongs battery life.
- Heavy-duty fitted & padded storage case included.
- MADE IN THE USA!

796XFL-1 \$168.95



Use to measure the depth of holes, dents, recesses, etc. A musthave tool for every aircraft repair facility.

- 4" Base, includes six 5/32" diameter rods.
- Measures in .0001" increments.
- Satin chrome finish resists rust.
- Measurement "hold" button allows you to lock your reading at the point of measurement in awkward areas.
- Can be switched from inch to mm mode with the touch of a button.
- Standard 3V battery included. Expect about one year battery life under normal use.
- Heavy-duty fitted case included.
- MADE IN THE USA!

749BZ-6RL \$679.95

STARRETT® MICROMETERS / KITS



- Easy accurate readings in .001" increments.
- 2-1/2" base, Includes three 1/8" diameter rods.
- Lock nut allows you to "lock" the reading.
- Heavy-duty fitted case included.
- MADE IN THE USA!

440Z-3L \$219.95



STARRETT® 0-3" **MECHANICAL DIGITAL DEPTH MICROMETER -USA MADE!**

holes, etc. up to 3" deep.

Famous Starrett® quality and precision. Easy to use tool measures dents, holes, etc. up to 3".

- Measurements are easily read on the mechanical counter with white numbers on a black background.
- Reads in precise increments of .001"
- 3" base, includes three 5/32" rods.
- Reading can be "locked".
- Heavy duty fitted & padded case included.
- MADE IN THE USA!

446AZ-3RL \$359.95





STARRETT® DIGITAL MICROMETER & CALIPER SET -GLOBAL SERIES

High quality tools are part of the Starrett® "global value" line manufactured in a Starrett® owned factory in China to the highest standards. Great starter kit gives you two of the most commonly used precision measuring tools in the aircraft industry.

- Large, clear, easy-to-read LCD displays on both tools.
- Includes 6" Digital Caliper (model 799A-6/150) and 1" Digital Micrometer (model 3732XFL-1).
- Micrometer reads to a resolution of .00005"! Caliper reads to .0005"!
- Includes heavy-duty fitted case for easy storage and protection.
- Two standard 3V batteries included.

S766AZ \$319.95 (#)



STARRETT® PRECISION TOOLS

STARRETT® 4 PIECE SMALL HOLE BALL GAGE SET -**USA MADE!**

Hardened ball surface with two point contact for superb accuracy. Includes fitted storage case with sizes printed for easy tool selection.

MADE IN THE USA!

Includes four different Ball Gages:

- .125 200" (2-7/8" overall length)
- .200 .300" (3" overall length)
- .300 .400" (3-3/8" overall length)
- .400 .500" (3-1/2" overall length)





STARRETT® 16 PIECE RADIUS GAGE SET - USA MADE!

High quality kit is manufactured of satin finish stainless steel. Each gage is permanently marked with its size. Kit includes 16 sizes: 1/32", 3/64", 1/16", 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 11/64", 3/16", 13/64", 7/32", 15/64", 1/4", & 17/64". Sizes are printed on storage case for quick & easy tool selection. MADE IN THE USA!



\$167AZ \$88.95



These extremely high quality Squares

set the standard for all others to follow. Choose 6" or 12" version. Cast iron head with black wrinkle finish. Hardened steel blade with photo engraved measurements. Quick-read blades are measured in 50ths, 100ths (perfect for aviation work), 32nds, & 64ths. Both models feature a spirit level in the head and a removable scribe stored in the square head. Blades can be removed and used as a straight edge. 6" blade is 3/4" wide x 5/64" thick, 12" blade is 1" wide x 3/32" thick. MADE IN THE USA!

11H-6-16R 6" Combination Square \$86.95 11H-12-16R 12" Combination Square \$109.95

STARRETT® MACHINIST'S SCALES - USA MADE!

Choose 6", 12", 18", or 24" versions. We think these are the highest quality scales available!



Famous Starrett® satin chrome finish for easy readability. 10ths & 100ths on one side, 32nds & 64ths on the other. Fully flexible - made of perfectly tempered steel. MADE IN THE USA!

C305R-6 6" Scale \$22.95 C305R-18 18" Scale \$71.95

C305R-12 12" Scale \$42.95 C305R-24 24" Scale \$98.95

STARRETT® POCKET CASE FOR 6" SCALE - USA MADE!

Protect your shirt pocket and your 6" scale! This leather-like case features rounded metal-bound edges



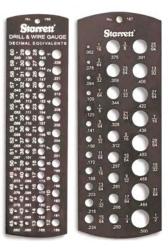
for durability. Starrett® logo printed in white. MADE IN THE USA!

1612 \$8.95

STARRETT® EASY READ DRILL **GAGES - USA MADE!**

Top of the line drill gages for the professional! Each gage is black matte finish & features sizes and decimal equivalents stamped on one side and white mark printed on the other for extremely quick and easy reading. Choose #1-#60 Gage (5/64" thick, 1-1/2" wide x 5-1/2" long) or 1/16" thru 1/2" Fractional Gage (5/64" thick. 2-5/16" wide x 6-1/2" long). **MADE IN** THE USA!





STARRETT® MACHINIST'S DIVIDERS - USA MADE!

A "must-have" tool for any aircraft sheet metal technician! Use to lay out perfect circles or scribe perfectly spaced lines. Choose 3" or 6" model. MADE IN THE USA!



277-3 3" Width Machinist's Dividers (4" long) 277-6 6" Width Machinist's Dividers (7-1/2" long) \$52.95

STARRETT® 9 LEAF THICKNESS / **FEELER GAGE - USA MADE!**

Sizes are permanently etched on each leaf for easy size selection. Made of tempered steel. Each

leaf is tested for accuracy. Leaves are 1/2" wide x 3" long. Includes 9 sizes: .0015", .002", .003", .004", .006", .008", .010", .012", & .015". MADE IN THE USA!

172A \$34.95 😅

STARRETT® TWO POINT SCRIBE - USA MADE!

Professional grade tool! 9" overall length. Manufactured of perfectly tempered steel. Includes one straight point and one 90° point. Knurled handle for easy grip. MADE IN THE USA!

67B \$26.95

STARRETT® POCKET PENCIL SCRIBE - USA MADE!

Made of perfectly tempered steel. 5" overall length. Point can easily be resharpened or replaced. Knurled handle for easy grip. MADE IN THE USA!

70A \$14.95



TOLL FREE 800.587.3883 LOCAL 405.688.6888 FAX 405.688.6555 E-MAIL information@browntool.com

160

STARRETT® 4" AUTOMATIC CENTER PUNCH - USA MADE!

Extremely HIGH QUALITY tool all steel construction. Adjustable knurled cap regulates the force of the blow. Point can be removed and resharpened or replaced. 4" long, 7/16" body diameter. MADE IN THE USA!

18AA \$34.95 💓

STARRETT® 5" AUTOMATIC CENTER PUNCH - USA MADE!

Knurled aluminum handle for easy grip and handling. Working parts made of perfectly hardened steel for long life. Force of the blow is easily adjustable. 5" long, 5/8" body diameter. MADE IN THE USA!

818 \$35.95

STARRETT® 5 PIECE TAPERED CENTER PUNCH SET - USA MADE!

High quality Starrett® Punches feature knurled finger grips. 5 piece kit includes: 1/16", 5/64", 3/32", 1/8", & 5/32". Sizes are stamped on each punch for easy selection. 1/16" Punch is 3" long, the other four Punches are 4" long. Plastic storage pouch included. MADE IN THE USA!



S117PC \$37.95

STARRETT® 5 PIECE 8" LONG PIN PUNCH SET – USA MADE!

High quality Punches are 8" overall length – "punch" portion is 3-1/2" long. Includes punch sizes 1/8", 3/16", 1/4", 5/16", & 3/8". Standard Starrett® knurled finger grips. Sizes are stamped on each punch for easy tool selection. Includes vinyl storage pouch with screen printed sizes.

MADE IN THE USA!

S248PC \$47.95



STARRETT® 8 PIECE BRASS PIN PUNCH SET - USA MADE!

Brass is softer than standard steel and is preferred in many applications due to its non-sparking properties. Each punch is 4" long and features knurled finger grips. Sizes are stamped on each punch for easy identification. Includes punch sizes 1/16", 3/32", 1/8", 5/32", 3/16", 7/32", 1/4", & 5/16". Includes heavyduty pouch with screen printed sizes for easy tool selection and accountability. MADE IN THE USA!



SB565Z \$49.95



STARRETT® 8 PIECE PIN PUNCH SET WITH CLASSIC ROUND STORAGE BOX - USA MADE!

Starrett® Pin Punches are recognized throughout the metal working industry for their high quality. Precision ground and then properly hardened and tempered for a long, useful life. Punches are 4" long and feature the standard Starrett® knurled finger grip. Sizes are stamped on the head of each punch for easy selection. Packaged in a custom fitted plastic case for easy storage. 8 piece kit includes sizes: 1/16", 3/32", 1/8", 5/32", 3/16", 7/32", 1/4", & 5/16". MADE IN THE USA!

\$565WB \$54.95

STARRETT® 8 PIECE PIN PUNCH SET WITH PLASTIC POUCH -USA MADE!

Same kit as our part number S565WB but with a plastic pouch instead of a round box. Sizes are screen printed on the pouch for easy size selection. MADE IN THE USA!

\$565PC \$49.95



INDIVIDUAL STARRETT® PIN PUNCHES - USA MADE!

Now you can buy high quality Starrett® Pin Punches individually. These are the same punches that come in the S565WB & S565PC sets. 4" Overall Length. MADE IN THE USA!

Part Number	Size	Price Each
565A	1/16"	\$6.75
565B	3/32"	\$6.75
565C	1/8"	\$6.75
565D	5/32"	\$6.65
565E	3/16"	\$6.65
565F	7/32"	\$6.45
565G	1/4"	\$6.45
565H	5/16"	\$6.45

MEASURING TOOLS



ALL METAL DRILL GAGE 😅

Change description to: Choose the Fractional Model to identify sizes 1/16" thru 1/2", the Number Model to identify sizes #1 thru #60, or the Letter Model to identify drill sizes A thru Z. Sizes are stamped into the gage and will not wear down. Made in the USA.

9092 Fractional \$9.95 9093 #1-60 \$9.95 \$9.95 9094 A - Z

ECONOMY 4" DEPTH MICROMETER

Features a 4" base which is hardened and precision ground. Includes 4 rods allowing you to easily measure depths up to 4". No-glare satin chrome finish. Easily readable in .001" increments. Fitted storage case included. Quality import.



MIT-261 \$89.95

"WHITE ON BLACK" EZ READ MACHINIST SCALES

Easier to read than standard satin finish machinist scales. Graduated in 10ths and 100ths on one side and 32nds and 64ths on the other. Made in the USA!

WB06 6" Scale \$7.95 WB12 12" Scale \$12.95 24" Scale \$29.95 WB18 18" Scale \$22.95 WB24

25 PIECE RADIUS GAGE SET

Contains high quality gages in sizes 1/64" thru 17/64" by 64ths and 9/32" thru 1/2" by 32nds - 25 pieces in all. Precision made of satin finish steel. Fitted vinyl storage case included.



RGS-25 \$31.95

ECONOMY 6" PRECISION DIAL CALIPER

Easily read to .001", includes custom fitted case for easy tool box storage. All metal construction. Measures



CAL001 \$36.95



4" MINIATURE DOUBLE SQUARE

High quality tool from FOWLER. 4" rule is graduated in 32nds and 64ths on one side and 8ths and 16ths on the other.

BAT-MDS4 \$42.95



ECONOMY 0-1" MICROMETER

Carbide tipped ends for long durable life. Easily read to .001". Includes custom fitted storage case. Quality import.

MIC001 \$26.95



4 PIECE SMALL HOLE BALL GAGE SET

Measures holes fro 1/8"(.125) thru 1/2"(.500) in diameter. Fitted storage pouch included. Quality import.

BAT-HGS4 \$22.95





MEASURING TOOLS



FOWLER SWISS MADE DIGITAL CALIPER

Features large LCD numerals for easy reading. Control buttons are positioned to avoid accidental touching. Battery will last two years under normal use. 0-6" measuring range. Accurate to within .001". Battery, manual, and fitted case included. High quality Swiss made tool.

54-100-330 \$144.95



FOWLER HEAVY DUTY DIGITAL MICROMETER

Designed for use in harsh conditions - water, oil and fluid resistant to international standard IP54! 0-1" measuring range. Features measurement hold key and zero set key as well as carbide tipped faces. Includes battery, fitted case, and manual.

54-860-001 \$119.95



ECONOMY DIGITAL CALIPER

0-6" Measuring range. Accurate to .0005". Auto-off feature. Includes battery and fitted case. Quality import.

MIT-120 \$59.95



FOWLER DIGITAL MICROMETER & CALIPER KIT

Includes a 0-6" Digital Caliper and a 0-1" Digital Micrometer stored in a custom fitted case. High quality measuring tools at a great price!

54-004-850 \$219.95



FOWLER HEAVY DUTY DIGITAL DEPTH MICROMETER

4" hardened base is manufactured from tool steel and precision ground and micro lapped for a superior finish. 6" depth measuring capacity. Battery, fitted case, and manual included. Water. oil and fluid resistant to international standard IP54 for use in harsh conditions.

54-225-456 \$198.95



ECONOMY DIGITAL MICROMETER

0-1" Capacity. Carbide tipped ends for long, durable life. Includes battery and fitted case. Quality import.

MIT-220 \$98.95



TAPE RULES / MISCELLANEOUS

LUFKIN MEZURALLTMTM HEAVY **DUTYTAPE RULE**

Graduated in 10ths of an inch - perfect for the aerospace industry! Chrome Clad® blade with black markings. Graduated in 10ths of an inch on both edges. Heavy duty chrome plated case. Blade is 1/2" wide x 12'. Imported.

C9212X \$29.95



XCELITE® PRECISION KNIFE SET

Includes two handles and 10 assorted blades for a variety of cutting applications. Handles are 5-3/4" long. Storage tubes for blades included. Made in the USA!

XNS100 \$14.85



LUFKIN 12' ENGINEER'S TAPE RULE

Graduated in 10ths of an inch on both edges - first 6" on lower edge also graduated in 50ths of an inch. Bright yellow blade with black markings - 1/2" wide x 12'. Hook is riveted in two places and is virtually unbreakable. Lufkin Chrome finished case. Imported 2212X \$15.45

7 6 **7**



WIRE HARNESS SPOON

A must for every avionics technician! Makes the job of inserting a new wire into an already tied off wire bundle much easier. Ergonomic design, and unlike the competitor's version, ours is made of heavy duty, high density plastic - because we all know that metal tools and wire bundles don't mix! Made in the USA exclusively for Brown Tool.

BAT-WSPN30 \$7.45

LUFKIN QUIKREAD® POWER RETURN TAPE





"BIG DADDY" PLASTIC PRY TOOL

Perfect for "persuading" aircraft interior panels and many other uses. 10-1/4" long x 2" wide x 3/8" thick. Manufactured of a nonmarring high density plastic. First 1-1/2" is tapered down to 3/32" thickness to permit entry into very tight areas. If you work around interior panels, you need this tool. Made in the USA exclusively for Brown Tool.

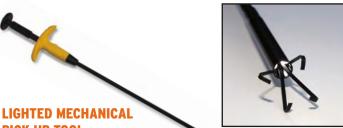
BAT-BD10 \$8.95



3

T Lufkin

MISCELLANEOUS



PICK UP TOOL

These mechanical fingers feature a built in LED light that is automatically activated when you depress the plunger - allowing you to find and see what you are picking up. 24" flex shaft enables you to access hard-to-reach areas and retrieve small parts/FOD. Heavy duty construction, built to withstand years of use.

BAT-70396 \$11.95

5 PIECE AIR BLOW GUN KIT

Includes interchangeable nozzles to focus shop air in specific areas to suit your application. Cast zinc body is chrome plated for long life.

BAT-ABG5PC \$9.95

AIR BLOW GUN

Includes interchangeable rubber tip nozzle and metal "safety" nozzle. Body is constructed of cast zinc and chrome plated for durability. 4" long.

BAT-301S \$7.95

WRAP-AROUND SAFETY GLASSES

Protect your eyes! Meets ANSI Z87.1-1989 specifications. Frames are adjustable to four different positions for a custom fit. Scratch resistant wrap-around optical grade polycarbonate lenses are light weight and wrap around for extra protection.

D30001 \$3.95 each

D30001-12 Pack of 12 \$39.95

4" LONG REACH ANGLED BLOW GUN

This high quality Blow Gun features a 4" angled nozzle to access hard to reach areas. Rubber tip prevents surface damage and is replaceable. High-impact plastic handle with hanging slot for easy storage when not in use.

BAT-ABG-4 \$9.95

13" EXTRA-LONG **REACH BLOW GUN**

This blow gun has a 13" angled nozzle for access to really hard to reach areas. Rubber nozzle tip prevents damage and is easily replaceable. Ergonomic handle design for comfort and ease of use. Hanging slot for easy storage when not in use.

BAT-ABG-13 \$13.95

STANDARD AIRCRAFT HANDBOOK -**SIXTH EDITION**

A "must have" for any aircraft technician, the Standard Aircraft Handbook contains invaluable information on tools, metals, fasteners, riveting techniques and much more. Includes many helpful illustrations and material charts. 292 pages, soft cover.

SAHB-6 \$24.95

"SPORT" STYLE SAFETY GLASSES

Protect your eyes and look good at the same time. Conforms to ANSI Z87.1-1989 specifications. Ultra light weight scratch resistant optical grade polycarbonate lenses. Frames are adjustable to four different positions for a custom fit.

D30005 \$4.25 each

D30005-12 Pack of 12 \$39.95





SERVICE TOOLS / ENGINE TOOLS



17 PIECE POWER PUNCH KIT

Complete kit includes all of the punches and dies needed to punch 3/32", 1/8", 5/32", 3/16", 7/32", 1/4", & 9/32" holes in thin sheet metal, gasket material, rubber, plastic, etc. Will pierce up to 16ga steel. Punches and dies are hardened to Rockwell C50-52 hardness for long life. Kit is packaged in a custom fitted case for easy storage.

BAT-PPK17 \$54.95

11 PIECE GASKET PUNCH KIT

Perfect for punching holes in gasket material, rubber, leather, cork, canvas, plastic and any



other soft material. Includes 10 different hollow punches in sizes: 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 3/4", 7/8" & 1". Also includes a driving mandrel. Heavy duty fitted storage case included.

BAT-GSK11 \$48.75



Quality wrenches feature a 1/2" square drive. 13-1/2" overall length. Heat treated for long life. Order separately or as a 4 piece kit.

Part Number	Description	Price
BAT-CBW916	9/16" Wrench	\$26.95
BAT-CBW12	1/2" Wrench	\$26.95
BAT-CBW58	5/8" Wrench	\$26.95
BAT-CBW34	3/4" Wrench	\$26.95
BAT-CBW4	Set of all 4	\$84.95



GASKET SCRAPER

High quality Williams Tool brand (a division of Snap-On®). 9-3/4" overall length, blade is 7/8". Soft-Grip handle for comfort.

WM40000 \$11.45

PREVAL PORTABLE DISPOSABLE SPRAYER

The versatile Preval Sprayer is perfect for small touch-up spray jobs. Includes a 6oz plastic bottle and a power spraying unit which will spray up to 16 oz of liquid. Handles all kinds of liquids including: paint, lacquer, thinner, cleaners, solvents and more. No CFC's, so you know it is safe for the environment.

PREV-1 Complete Spray Unit & Bottle \$8.45
PREV-PU1 Power Spray Unit Only \$7.45
PREV-BT1 6oz Plastic Bottle Only \$1.95



TORQUE-SEAL INSPECTION LACQUER

An inexpensive method used to detect tampering and vibration loosening of fasteners or parts after they are in proper torque or position. Excellent adhesion to all metals - dries fast. Torque-Seal becomes brittle and will crack if part or fastener moves or is tampered with. Packaged in handy 1/2 oz poly squeeze tube. Choose from five different stock colors.



Made in the USA!

Part Number	Color	1-9 Pieces	10 & Up
TQS-ORNG	Orange	\$3.85	\$3.15
TQS-BLUE	Blue	\$3.85	\$3.15
TQS-YLW	Yellow	\$3.85	\$3.15
TQS-GRN	Green	\$3.85	\$3.15
TQS-RED	Red	\$3.85	\$3.15

BOELUBE® LUBRICANTS

BOELUBE® DRILLING LUBRICANT - PUSH-UP TUBE

Developed by Boeing, BOELUBE® is available in two different sizes of push-up tube. Great for drilling, reaming, and cutting operations. Extends cutting tool life. Non-toxic, works with metals, plastics, and graphite. BOELUBE® is **made in the USA**. Choose 1.6 oz or 3.5 oz tube.



Part Number	Size	1-9 Tubes	10-49 Tubes	50 & Up
B0E-001	1.6oz Tube	\$3.95	\$3.35	\$3.05
B0E-002	3.5oz Tube	\$6.29	\$5.50	\$5.25

BOELUBE 90° LIQUID LUBRICANT - 4 oz. BOTTLE

BOELUBE 90® is a liquid version of BOELUBE®. Non-toxic, non-polluting, and non-irritating. Handy dispensing bottle allows you to use one drop at a time. **Made in the USA.**



Part	1-9	10
Number	Bottles	& Up
B0E-90-40Z	\$8.25	\$7.40

BOELUBE® LUBRICANT PASTE -12 oz. JAR

Blue medium density paste is perfect for drilling and reaming operations. 12 oz jar offers a more economical quantity for volume users. BOELUBE® is **made in the USA**.



Part	1-9	10
Number	Jars	& Up
70307-120Z	\$17.95	\$15.95

NEW PRODUCT!

BOELUBE® HAND-HELD DRILL BIT LUBRICATOR



Specifically designed to easily coat drill bits with BOELUBE®, this handy dispenser features a BOELUBE® soaked fiber pad inside with a round hole in the top of the unit. You simply insert a non-rotating drill bit into the unit and in the process it acts as a chip wipe, removing any chips or debris from your drill bit. Pull the drill out and it is perfectly coated with BOELUBE®. Made in the USA.

Part	1-9	10
Number	Tubes	& Up
70104-HHL	\$9.95	\$9.05



BOELUBE® LUBRICANT PASTE - 2 oz. JAR

Blue medium density paste is the same as the 12 oz container above, but in smaller jar perfect for storing in your tool box.



Part

Number

70307-20Z





BEVERLY SHEARS / SHRINKER-STRETCHERS

The **ORIGINAL** Beverly Throatless Shear

BEVERLY THROATLESS SHEARS

For over 50 years, Beverly Shears have been the standard in any sheet metal shop. Beverly Shears are ideal for all-purpose metal cutting because they permit any desired cut in heavy gauges, yet they handle lighter materials without distortion. The unique shoulder design allows work to be turned in any position during the cut. Geared rack and pinion makes heavy metal cutting fast and easy! Upper and lower blades are positioned to provide a clean, knurl-free cut, regardless of material. Optional stand available or can be easily bench mounted. MADE IN THE USA!

Model B-1 weighs 18 lbs and has a lower blade length of 4-1/4" Height less the handle is 14"; handle is 18" long. **B-1 \$594.95**

Model B-2 weighs 35 lbs and has a lower blade length of 4-3/8". Height less the handle is 15"; handle is 24" long. B-2 \$798.95

BEVERLY SHEAR REPLACEMENT BLADES



Give your Beverly Shear new life by replacing the blades with genuine Beverly brand replacement blades! MADE IN THE USA!

B-1BLADES \$114.95 B-2BLADES \$134.95

STAND FOR BEVERLY SHEAR

Specifically designed to accommodate either Beverly Shear model. Tripod design provides an extremely stable base. All steel welded construction. 31" height. uses a floor footprint of 18" x 30". Durable powder coat finish. Weighs 18 lbs. Because of the shape of this item, it requires special handling by UPS and FedEx and therefore does not qualify for our free shipping offer. Shipping charges will apply to this item based on your delivery location. MADE IN THE USA!



The ORIGINAL made by Lancaster Pump < in the USA!

LANCASTER SHRINKER / STRETCHER

Precision tool - MADE IN THE USA by Lancaster Pump, the originator of the small body Shrinker / Stretcher tool. 16 gauge mild steel capacity (.063 aluminum). Works on any malleable aluminum or steel and many other soft metals and materials. Jaws are manufactured of hardened tool steel. Order with one body and interchange the shrinker and stretcher jaw cartridges, or order with two bodies and avoid having to switch cartridges. Mount to your work bench or order the optional floor stand.

Do not confuse this tool with cheaper imported models, this is the original and is made in the USA!

Includes One Body, One Set of Shrinker Jaws, & One Set of Stretcher Jaws \$318.95 STRSHR-1 STRSHR-2 Includes One Body with Shrinker Jaws & One Body with Stretcher Jaws STRSHR-ST1* Optional Floor Stand \$169.95

* The Shrinker / Stretcher Stand is excluded from our free shipping program. Shipping charges for this model are extra and are based on your shipping zip code.



BEV-STND \$259.95





TENNSMITH® METAL WORKING EQUIPMENT

We are a master distributor of TENNSMITH® metal working equipment and in addition to the most popular items shown on this page, we have complete access to the entire line. All TENNSMITH® products are made in the USA and have become the standard in the aerospace industry because of their quality and dependability.

TENNSMITH® BOX & PAN BRAK

Choose from a variety of models with different widths and gauge capacities to suit your application. Features welded steel plate construction with heavy truss rods and braces for strength and rigidity. Variety of 2", 3", & 4" wide fingers

included with each model. Optional stand available for bench top models, heavier duty models include stand as indicated. Made in the USA. Shipping charges are extra and are based on

delivery location.

Model	Width	Weight	Capacity	Stand	Price
U48-22	48"	280 lbs	22 ga.	Optional	\$948.95
HBU48-16	48"	495 lbs	16 ga.	Optional	\$1548.95
HBU48-12	48"	1330 lbs	12 ga.	Included	\$3948.95
HBU72-16	72"	1700 lbs	16 ga.	Included	\$4398.95

TENNSMITH® INDUSTRIAL SHEARS

The aerospace industry standard! Built in the USA to the highest standards and built to last. The shear frame, bed and cutter head assemblies are constructed

of heavy-duty cast iron. The shear bed is machined and then surface ground to

precision tolerances to ensure an accurate working surface. Both models feature "triaction", high-carbon chromium (HCHC) steel blades which are specially designed to provide maximum material penetration and at the same time prevent material movement or "creep" during the shearing process. Heavy duty diamond plate foot lever prevents slippage and makes shearing guick and simple. Both models include a back gauge, front extension arms with stop, bevel gauge, and graduated side scales. Choose 36" or 52" wide model. Made in the USA! Shipping charges are extra and are based on delivery location. 😅

Model	Width	Weight	Capacity	Price
TENN-36	36"	700 lbs	16 ga.	\$2148.95
TENN-52	52"	950 lbs	16 ga.	\$2798.95

TENNSMITH® manufactures manual and powered shears with capacities up to 12 ft! If you require a powered shear or larger shear than those shown on this page, please call us for assistance.

TENNSMITH® STRAIGHT HAND BRAKES

Superior quality Brakes are made in the USA and are built for long service and accurate bending. Heavy steel plate construction. Choose from several models to suit your particular application. Optional stand available for bench top models, heavier duty models include stand as indicated. Made in the USA. Shipping charges are extra and are based on delivery location.

Model	Width	Weight	Capacity	Stand	Price
S48-22	48"	220 lbs	22 ga.	Optional*	\$798.95
HBS48-16	48"	460 lbs	16 ga.	Optional*	\$1398.95
HB48-12	48"	1100 lbs	12 ga.	Included	\$3398.95
HB73-16	73"	1200 lbs	16 ga.	Included	\$3498.95
HB97-18	97"	1385 lbs	18 ga.	Included	\$3658.95
HB97-16	97"	1675 lbs	16 ga.	Included	\$4198.95
HB97-12	97"	2800 lbs	12 ga.	Included	\$6798.95

^{*}TENN-48 Optional Stand for 48" Wide Brakes \$289.95

TENNSMITH® SLIP ROLLS

Combine precision-turned, ground and polished high carbon steel rolls with heavy-duty, cast iron end frames and a welded steel base to make a highly accurate and durable forming tool. All four models can be easily mounted to your bench or table

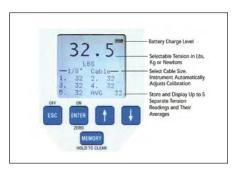
or you can buy the optional floor stand. High quality tool built in the USA! Shipping charges are extra and are based on delivery location.

Model	Length	Min. Radius	Roll Diam.	Capacity	Weight	Price
SR24	24"	1"	2"	20 ga.	190 lbs	\$798.95
SR24-9	STAND	Optional	Optional Stand for Model SR24			
SR36	36"	1"	2"	22 ga.	250 lbs	\$948.95
SR36-9	STAND	Optiona	Optional Stand for Model SR36			\$359.95
SR42	42"	1"	2"	24 ga.	270 lbs	\$1098.95
SR42-9	STAND	Optiona	Optional Stand for Model SR42			\$398.95
SR48	48"	1-1/2"	3"	16 ga.	775 lbs	\$3498.95
SR48-9	STAND	Optional Stand for Model SR48			\$598.95	

TENSIOMETERS







TENSITRON® DIGITAL CABLE TENSIOMETER

Our TENSITRON ACX SERIES DIGITAL CABLE TENSIOMETERS are in stock and available for immediate delivery. **Completely made in the USA**, factory calibrated and fully traceable to National Standards, we think these are quite simply the finest and easiest to use Digital Tensiometers available. The closest competitive model costs nearly twice as much with less features.

- Large, easy to read, graphic display with adjustable backlighting and contrast.
- Select tension values to indicate Lbs, Kg, or Newtons.
- Display shows Tension, Battery Charge Level, & Cable Size Selected.
- Push Button activates the Memory Function allowing you to store and display up to five separate tension readings and the average value of these readings.
- Accuracy is +/- 2% full scale for all menu-selectable calibrations.
- Up to 10 calibrations can be programmed into instrument. (all calibrations are password protected to prevent unauthorized changes)
- Adjustable LCD refresh rates allow for stable, digital readings.
- All models ship factory calibrated and ready to use with full documentation.
- All calibration values are completely traceable to National Standards.
- Includes easy to use cable diameter gage to accurately determine correct cable size.
- Unit weighs approximately 1-1/2 lbs.
- Re-chargeable NIMH battery with power supply provided. Approximately 6 hours of operation per battery charge depending on backlight intensity.
- Power Supply operates with input voltages from 100-240V and includes several interchangeable plugs for use with US, European, Australian, and other plug configurations.
- Automatic shutoff after 10 minutes of non-use.
- Shipped complete with heavy duty custom fitted case.

ACCURATE I DEPENDABLE I RELIABLE

Model	Range	Resolution	Cable Selections	Price
ACX-250	20-250 lb	0.5 lb	1/16", 3/32", 1/8", 5/32", & 3/16"	\$899.50
ACX-500	40-500 lb	1 lb	3/32", 1/8", 5/32", & 3/16"	\$899.50

TENSITRON MECHANICAL TENSIOMETERS

Our Tensiomters are **made in the USA by Tensitron** - one of the leading manufacturers of cable tension tools in the world since 1935. Designed for easy one-handed operation with no loose riser blocks to keep track of - everything needed is built into the tool. "Memory Lock" pointer holds reading until cleared. Compact design allows use in very tight areas - weighs only 21 oz. Ships fully calibrated and ready to use with complete traceability to NIST certified lab. Heavy duty, padded storage case included. Choose from five different models to suit your application. Models BAT-ACM-100, -200, -300, & -400 are 3.38" wide x 8.24" long. Model BAT-ACM -600 is 5.2" wide x 8.24" long. **Made in the USA!**



Model	Range	Cable Selections	Price
BAT-ACM-100	5-100 lbs	1/16", 3/32", 1/8", & 5/32"	\$839.95
BAT-ACM-200	20-200 lbs	1/16", 3/32", 1/8", 5/32", & 3/16", & 1/4"	\$839.95
ВАТ-АСМ-300	40-300 lbs	3/32", 1/8", 3/16", & 1/4"	\$839.95
BAT-ACM-400	40-400 lbs	3/32", 1/8", 5/32", & 3/16"	\$839.95
ВАТ-АСМ-600	40-600 lbs	1/8", 5/32", 3/16", & 1/4"	\$929.95



STEINEL® HEAT GUNS





PROGRAMMABLE INTELLITEMP™ HEAT GUN WITH LCD DISPLAY

Designed with the aerospace industry in mind, the model HG2310-LCD provides precision control. Gun is programmable - temperature and airflow output settings can be locked. Digital LCD display enables easy temperature selection in 10° increments. Full one year Steinel warranty. Optional heavy duty storage case available.

Temparture: 120-1200 °F

Airflow: Continuously variable from 3.6 - 17.6 cfm Switch: Cool Air Stage, Variable Temp & Airflow

Output: 1600 Watts Voltage: 120 VAC / 60 Hz Certification: UL Listed

Weight: 33 oz

Model HG2310-LCD \$229.95

VARIABLE TEMPERATURE ELECTRONIC HEAT GUN

This powerful industrial quality heat gun is suitable for a variety of uses. Features the Steinel DuraTherm™ heating element for long dependable life. Temperature is highly adjustable with selectable temperature wheel conveniently located on rear of heat gun. Full one year Steinel warranty. Optional heavy duty storage case available.

Temperature: 120-1100 °F

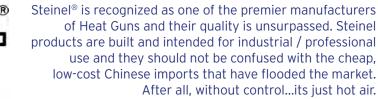
Switch 1: Cool Air Stage, 120° F / 3.6 cfm 2: Variable Temp. / 10.6 cfm

3: Variable Temp. / 17.6 cfm

Output: 1500 Watts Voltage: 120 VAC / 60 Hz

Weight: 30 oz

Model HL1910E \$195.95



HEAVY DUTY CASE

Heavy duty blow molded case holds either of our Steinel Heat Guns with extra room for accessories.

SHGC-40100 \$39.95

STEINEL ELECTRONIC HEAT GUN NOZZLES

SPREADER NOZZLE

Use to spread hot air over a wide area. Particularly useful when stripping paint or decals. Choose 2" or 3" version.

ST-07011 2" Spreader Nozzle \$15.95 ST-07021 3" Spreader Nozzle \$15.95



REFLECTOR NOZZLE

This nozzle design directs hot air around pipes and tubing for even heating. Great for tubing shrink wrap. Choose from three different sizes.

 ST-07061
 3/8" Reflector Nozzle
 \$20.85

 ST-07461
 9/16" Reflector Nozzle
 \$19.95

 ST-07051
 1-1/2" Reflector Nozzle
 \$15.95



REDUCER NOZZLE

Provides a concentrated and focused stream of hot air for precision work. Choose from three different models to suit your application.

 ST-07062
 3/8" Reducer Nozzle
 \$15.95

 ST-07071
 9/16" Reducer Nozzle
 \$15.95

 ST-07081
 3/4" Reducer Nozzle
 \$17.85





171

DROP LIGHTS / HEADLAMPS

60 LED SUPER BRIGHT DROP LIGHT

This high quality super-bright LED Drop Light provides broad, even lighting for your work area.

- 60 premium LEDs provide 120 lumens of light.
- LEDs have an expected life of 35,000 hours!
- Cool to the touch LEDs generate virtually zero heat.
- Magnetic hanging hook is removable and can be positioned at the tip or on the side of the Drop Light.
- 25 ft heavy duty & abrasion resistant cord.
- Heavy-duty on/off rocker switch.
- ETL tested, listed, and approved.
- · Durable housing is chemical, moisture, and impact resistant.

SL-2125 \$59.95



13 WATT ROUGH DUTY DROP LIGHT WITH SPOT LIGHT TIP

The industry standard drop light and the choice of professional mechanics. Cool running 13 watt bulb is rated for 10,000 hours of use and is emits light equivalent to a 75 watt incandescent bulb. High impact lamp protector holds up to the toughest environments. Clear polycarbonate top provides a handy spot lighting / flashlight feature. Hanging hook included. Choose 6 or 25 foot cord. UL Listed & Approved.

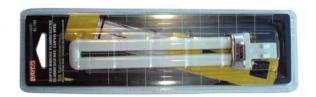
SL-907 Rough Duty Drop Light with 6 ft Cord \$29.95 SL-935 Rough Duty Drop Light with 25 ft Cord \$34.95



Use with our SL-907 or SL-935 Rough Duty Drop Lights.

SL-103 \$4.95







Perfect for the aviation environment! We tested several headlamps before selecting the NightStick® Headlamp – priced at less than half of some competitive models, this high quality headlamp offers quality and performance at a great price.

With the NightStick® model NSP-2212, you get THREE different lights in one unit: Spotlight - Floodlight - Dual-Light. Super bright white LEDs have an expected life of 35,000 hours! Easy "tilt" control – you can position the light to focus on the exact area you need with ease. Comfortable no-slip head band.

Operates on 3 AAA batteries which ARE included.

- Spotlight Mode: 1 LED = 65 Lumens
- Floodlight Mode: 12 LEDs = 24 Lumens
- Dual-Light Mode: 13 LEDs = 89 Lumens

NSP-2212 \$24.95





NIGHTSTICK® POCKET LED FLASHLIGHT/FLOODLIGHT -25 LEDS

The NightStick® model NSP-1124 is the perfect portable pocket flashlight for the aircraft mechanic. Designed with super bright, 35,000 hour LEDs, the NSP-1124 produces an amazing amount of light for a flashlight this size. Use the flashlight mode for long reach visibility; use the wide-beam floodlight to drench your work area in light; or use both at once for maximum illumination.

- Oval shape is easy to grip and will not roll when laid down.
- Rugged and durable polymer housing.
- 4 function push-button switch.
- · Uses 3 "AAA" batteries which ARE included.
- 7.9" long, weighs only 2.5 oz!
- · Lanvard & stand included.
- CE listed and compliant.

NSP-1124 \$24.95



NIGHTSTICK® FULL SIZE LED FLASHLIGHT/FLOODLIGHT -61 LEDS

Utilizes super bright, 35,000 hour LEDs to provide crisp light where you need it. Use in floodlight mode, flashlight/spotlight mode, or use both at once for maximum light.

- Oval shape will not roll when laid down and is easy to grip.
- Rugged polymer housing is impact and chemical resistant.
- · Uses 4 "AA" batteries which ARE included.
- 10.9" long, weighs just 8.2 oz!
- Stand included.
- CE listed and compliant.





LED FLASHLIGHT



MINI MAGLITE® LED FLASHLIGHT

The Mini Maglite® delivers clean bright light in a sleek compact body. Features the famous Maglite® "Spot-to-Flood" adjustable LED beam. MAGLITE

- Anodized aircraft-grade aluminum housing.
- LED emits 77 lumens of bright light.
- Powered by 2 "AA" batteries which are included.
- · Belt holster included.
- 6.6" Long, weighs just 4.15 oz(including batteries).
- 1" head diameter.
- Manufactured in the USA!

BAT-LED01 \$36.95



NIGHTSTICK® SAFETY LED FLASHLIGHT -INTRINSICALLY SAFE FOR HAZARDOUS ENVIRONMENTS

The NightStick® model XPP-5420B Flashlight is the perfect lighting tool for many hazardous work place environments. Features an 80 lumen LED that provides clean, brilliant light. Oval shape fits any hand size.

- 50,000 hour LED life!
- Rugged polymer housing waterproof to 1 meter!
- Operates on 3 "AA" batteries not included.
- 7" long, 1.8" head diameter, weighs only 6.3oz.
- · Non-slip grip
- Built-in pocket clip and lanyard.
- · "cETLus" listed intrinsically safe for use in environments of Class I, II, III - Div 1 Groups A,B,C,D,E,F, & G.



MAGLITE® 3 "D" CELL FLASHLIGHT

Known for its quality, durability and reliability, the Maglite® is the preferred flashlight of thousands of aircraft technicians all over the world. The "Spot-to-Flood" adjustable light beam provides clean light just where you need it.

- LED provides 131 Lumens of clean, bright light.
- · Anodized for corrosion resistance and durability.
- Housing manufactured of aircraft-grade aluminum.
- 12-5/16" long, weighs 30oz(including batteries).
- 2-1/2" head diameter.
- Powered by 3 "D" batteries not included. Manufactured in the USA! BAT-LED02 \$48.95 MAGUITE LED FLASHLIGHT



VISUAL OPTICS BORESCOPES

Our Visual Optics brand scopes are designed, engineered, and manufactured in the USA. Do not confuse these high quality American made scopes with the cheap, low-cost tools found at other suppliers. Visual Optics, Inc. is a great employee owned American manufacturer based in Wynewood, Oklahoma and we are proud to offer their products.

All Video Stik Scopes include a clip-on magnet, clip-on mirror, and heavy duty case!



"SKINNY" 6MM VS SERIES 24" VIDEO STIK BORESCOPE

Our new model VS24-6W is an awesome inspection tool featuring the latest in handheld remote video technology and is a must for every aviation inspection department. The flexible shaft of this Video Borescope is only 6MM in diameter (about 1/2 the diameter of a normal pencil) and can fit in extremely tight spaces. Easy to view full color video screen, clip-on magnet and mirror included!

- 24" x 6MM flexible shaft
- 2.5" full COLOR viewing monitor
- 320 x 240 pixel resolution
- Operates on 4 AA batteries (included!)
- Video out port for recording
- Heavy-duty fitted storage case included
- Clip-on magnet and clip-on mirror included at no additional charge!
- Made in the USA! 🗮

VS24-6W \$229.95





This awesome new tool features the latest in remote video technology and is a must for every aviation inspection department. Works just like a standard borescope with the addition of a video screen. Comes complete with heavy duty storage case and batteries. One year factory warranty. **Made in the USA!**

- 2.5" full color viewing monitor
- 320 x 240 pixel resolution
- 10mm diameter obedient shaft
- Operates on 4 AA batteries (included)
- Video out port for recording
- Includes clip on mirror and magnet
- Available in 36" or 72" length

VS36-10WW 36" VideoStik \$239.95 VS72-10WW 72" VideoStik \$299.95





VISUAL OPTICS VO SCOPE PICSTIK

The Simple Way to Keep What You See!

This easy-to-use device enables you to easily download and save pictures and video from any of our Video Stik inspection scopes. An excellent way to document and provide important information to your customers, engineering departments, maintenance control departments, or associates. **Designed, engineered, and manufactured in the USA!**

- Small and compact -fits in your pocket
- Auto-on with one touch recording
- Captures JPEG pictures or AVI video
- 2 Gig storage capacity for 100's of pictures or about 2 hours of video
- USB & RCA cords included
- Operates on two "AAA" batteries which are included

45004-PS \$199.95





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LOCAL 405.688.6888 ADDRESS 2536 SE 15th STREET, OKLAHOMA CITY, OK 73129

FREE SHIPPING! For orders over \$95 that are paid with a credit card and shipped to ANY address in the USA!

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THANK YOU. WE APPRECIATE YOUR BUSINESS.

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