

# FREE SHIPPING!

Keep in mind that we offer FREE shipping to any address in the USA (including Alaska, Hawaii, Puerto Rico, Guam, D.C., and APO or FPO military addresses!) for any order over \$95 placed from this catalog if you order with a credit card.

Of course we ship tools all over the world, so if you are outside the USA, we welcome your orders also! Because we ship thousands of orders outside the USA each year, we are experts at getting your tools to you quickly and at the lowest cost possible.

Please keep in mind that in order to be as efficient as possible and keep our prices low, we have a \$35 Minimum Order Amount for U.S. customers (\$50 if you are in Canada and \$100 for customers anywhere else in the world.)

This 2017 Mini Catalog contains some of our most popular items, but it is a small sampling of the over 3400 different part numbers we stock at our warehouse in Oklahoma City for immediate shipment. If you cannot find what you are looking for in this catalog, please request a copy of our 180 page master catalog or visit our website at www. browntool.com to see all of our products and check out any current promotions or specials we might be running.

# 12 PIECE NUTPLATE JIG KIT

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).

BAT3518-KIT12 \$319.95

# ALL METAL BODY MINI-VACUUM

Compare our price anywhere!
Trigger can lock for constant
operation. Includes 12" nozzle hose
for access to hard-to-reach areas.
High quality import with superior
sucking power.

BE-VAC18 \$22.95



#### **6 PIECE DRILL BUSHING KIT**

Drill straight every time! Kit includes one "Egg Cup" Bushing Holder and five different 1/2" Diameter Slip Bushings (#40, #30, #21, #10, & 1/4"). You would pay \$64.70 if purchased individually - buy this kit and save \$19.75!

BHSB-6PC \$44.95





#### WILLIAMS MAGNETIC RATCHETING SCREWDRIVER

High quality tool manufactured in the USA by Williams Tool/ Snap-On Industrial Brands. 3-Way Ratcheting mechanism (On-Off-Locked) for smooth and consistent operation. Accepts any brand of 1/4" hex insert bit (five assorted bits are included and store inside the handle). MADE IN THE USA!

WRS-1 \$39.95

#### **STEEL SKIN WEDGE**



Use to gently separate two pieces of sheet metal. Manufactured of perfectly heat-treated steel to permit slight flexibility to avoid breakage. 7" long x 1" wide. Buy one or save and choose the three piece set.

BAT-4130SW Single Skin Wedge \$9.95 BAT-SW3PC 3 Piece Set \$22.95

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



## **45 PC CLECO KIT WITH STORAGE BOX**

Great starter kit of Spring Clecos & Side Grip Clamps - you get 10 ea. of 3/32", 1/8", 5/32", & 3/16" Spring Clecos, 4 ea. Cleco Side Grip Clamps, 1 ea. Cleco Pliers, and a storage box. 45 Pieces in all. You save over \$5 by purchasing this kit!

K-45PCKIT \$31.95

#### ELASTIC FASTENER SPACER

Stretch the spacer out and use the hash marks to lay out your hole pattern. One side is printed with 32 evenly spaced marks, the reverse side is rinted with 48 marks. Approximately 36" long - will stretch about 2-1/2 times its "resting" size. MADE IN THE USA!



BAT-EFS-1 \$15.95

# EL BRUTUS SCREW EXTRACTOR

When all other screw removal tools fail, pull out the El Brutus! Designed and perfected by a retired Air Force mechanic to work with any style of screw. Instructions included. Choose from two different models. Extremely high quality and well made tool. MADE IN THE USA!

BRUT-5 #8 thru 1/4" Screw Capacity \$344.95 BRUT-7 1/4" thru 3/8" Screw Capacity \$389.95

# 4 PIECE CARBIDE BURR SET -1/4" SHANK - MADE IN USA! \( \equiv \)

Set contains 4 of our most popular styles of solid carbide burrs. Industry standard 1/4" chucking shank for use with most die grinders. All are "double-cut" design for quicker cutting and less chip build-up.



No cheap imports here, our Carbide Burrs are **MADE IN THE USA!** If purchased separately, you would pay over \$40, take advantage of this kit deal and save about 20%! Kit includes SA-1, SC-1, SF-1, & SH-1.

BAT-CB4PC \$32.95



#### SIOUX™ 13 PIECE RIVET SHAVER KIT

Comprehensive kit contains everything you need to easily shave solid aluminum rivets. Includes a SIOUX™ model SRS10P21-8 Signature Series Rivet Shaver with Stabilizing Footpiece. Also includes six interchangeable skirts and six carbide-tipped rivet shaver bits in sizes 5/16", 3/8", 7/16", 1/2", 9/16", & 5/8". Packaged in a heavy-duty, FOD control storage case. MADE IN THE USA!

BAT-SRSK-13 \$698.95



- harder (yellow) tip.

   Solid Hickory Handle
- 1-3/8" Face Tips (tips are replaceable)
- 4-3/4" Head Length
- 12" Overall Length
- 12 oz Head Weight
- Made in the USA by Vaughan Mfg (a leading hammer manufacturer since 1869!)

BAT-SF12 \$18.95

# NEW! COMPOSITE TAP HAMMER

This very-hard-to-find tool is now in stock. If you work with bonded/laminated composite structures, you need one of these in your tool box. Tried & true tool enables you to easily locate debonds and delamination in most composite structures. Head is perfectly machined from 1/2" diameter aluminum stock and features a blunt pointed end on one side and a rounded end on the other. 1.7" head height. 4" hex handle. 7-3/4" overall length. Manufactured in the USA exclusively for Brown Tool.

**BAT-CTH8** \$18.95



#### SIOUX™ RIVET GUNS



Model	Style	врм	Stroke	Length	Weight	Rivet Capacity	Price Each
270A-2	2X	2500	2"	5-3/4"	3lbs	5/32" Steel	\$349.95
270A	ЗХ	2000	3"	6-3/4"	3lbs-3oz	3/16" Steel	\$349.95
270A-4	4X	1700	4"	7-3/4"	3lbs-8oz	1/4" Steel	\$369.95

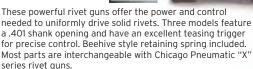


#### **CHICAGO PNEUMATIC RIVET GUNS**

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	\$789.95
CP4444-RUSAB	ЗХ	2160	7.3"	2.3 lbs	\$789.95
CP4444-RUTAB	4X	1740	8.3"	2.75 lbs	\$799.95

# TAYLOR® RIVET GUNS



Model	ВРМ	Capacity	Length	Weight	Price
T-2X	2600	1/8" Rivet	6-11/16"	2-1/4 lbs	\$224.95
T-3X	2100	3/16" Rivet	7-5/16"	2-1/3 lbs	\$224.95
T-4X	1700	1/4" Rivet	8-5/16"	2-3/4 lbs	\$234.95



#### 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.

Model	ВРМ	Capacity	Length	Weight	Price
T-5X	1800	1/4" Rivet	8-15/16"	4-3/4 lbs	\$349.95
T-7X	900	3/8" Rivet	11-15/16"	6 lbs	\$439.95
T-9X	1150	3/8" Rivet	9-15/16"	5-1/8 lbs	\$439.95



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	\$169.95
BATCO-3X	ЗХ	2160	2-7/8"	7-5/16"	2-1/3 lbs	3/16" Rivet	\$174.95
BATCO-4X	4X	1740	3-1/16"	8-5/16"	2-3/4 lbs	1/4" Rivet	\$179.95

## "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, BATCO, & CP .401 Shank Rivet Guns \$5.95 69QS For SIOUX .401 Shank Rivet Guns \$5.95

# **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, BATCO, & CP .401 Shank Rivet Guns \$5.95 BRS-S For SIOUX .401 Shank Rivet Guns \$9.85





# BATCO

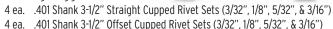
# BATCO™ DELUXE "777" RIVET GUN KIT

## Includes Four Bucking Bars & Straight & Offset Rivet Sets!

This high quality rivet gun kit contains everything you need to easily and professionally install solid aircraft rivets.

#### Kit Includes:

Your choice of BATCO 3X or 4X Rivet Gun with Powder Coat Finish and EXCELLENT Teasing Trigger!



1 ea. .401 Shank Flush Rivet Set with 1" Highly Polished Face

1 ea. .401 Shank Flush Rivet Set - 1-1/4" Face with Rubber Guard

1 ea. 2oz Bottle of Marvel Air Tool Oil 1 ea. "Quick-Change" Retaining Spring

1 ea. "Beehive" Retaining Spring

4 ea. Bucking Bars - Highly Polished (Includes most popular "Heel & Toe" Bar)

1 ea. Click Style Brass Air Regulator1 ea. Standard Male Air Fitting1 ea. Sturdy Fitted Storage Case

You get all 21 pieces for the low price of \$259.95! This kit is imported from Taiwan and the quality is awesome! The trigger on the BATCO Rivet Gun is one of the best we have ever seen and the quality of the bucking bars and rivet sets is superb.

BAT-7773X Deluxe 777 Rivet Gun Kit with 3X Rivet Gun \$259.95 BAT-7774X Deluxe 777 Rivet Gun Kit with 4X Rivet Gun \$259.95



# 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 Includes:

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

1 ea. Standard Male Air Fitting

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

I 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!

BAT-7372X 2X Rivet Gun Kit \$199.95 BAT-7373X 3X Rivet Gun Kit \$199.95 BAT-7374X 4X Rivet Gun Kit \$199.95

#### **BUCKING BARS**

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











Visit our website to see more steel and tungsten bucking bars.

#### **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.





# .401 SHANK RIVET SETS



#### 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** 



# 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 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 \$33.95 RSK0F-7 7-1/2" Offset Kit \$38.95





## 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 \$30.95 RSKOF-5 5-1/2" Offset Kit \$34.95



# 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 \$43.95 RSKOF-FL Offset Flush Kit \$45.95

# 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.

BAT-181 \$19.95





		-	
Part Number	Face Diameter	Length	Price Each
1030-1	3/4"	2-1/16"	\$12.95
1030-2	1"	2-1/16"	\$12.95
1030-3	1-1/4"	2-1/16"	\$13.95

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# **ECONOMY RIVET SETS**

Our economy rivet sets are imported and compare to the low cost rivet sets sold by other tool companies. Great quality at a value price.

# ECONOMY 4 PIECE STRAIGHT RIVET SET KITS

.401 Shank, includes 3/32", 1/8", 5/32", & 3/16".



Part Number	Length	Price Each
BAT-10110	2-1/2"	\$22.95
BAT-10112	3-1/2"	\$18.95
BAT-10114	5-1/2"	\$25.95
BAT-10116	7-1/2"	\$26.95

# ECONOMY 4 PIECE OFFSET RIVET SET KITS

.401 Shank, includes 3/32", 1/8", 5/32", & 3/16".



Part Number	Length	Price Each
BAT-10118	3-1/2"	\$18.95
BAT-10111	5-1/2"	\$26.95
BAT-10113	7-1/2"	\$27.95

# ECONOMY 3 PIECE STRAIGHT FLUSH RIVET SET KIT

.401 Shank, 1" Face. Includes 2-1/2", 5-1/2", & 7-1/2" Lengths.

BAT-10117 \$33.95

# No.

# ECONOMY 3 PIECE OFFSET FLUSH RIVET SET KIT

.401 Shank, 1" Face, Includes 3-1/2", 5-1/2" & 7-1/2" Lengths.

BAT-10122 \$39.95

# **ECONOMY SWIVEL FLUSH SET**

1-1/4" face swivels for access to difficult areas. .401 shank, 3" overall length.

BAT-15099 \$12.95



# **SOFT FACE FLUSH RIVET SETS - MADE IN THE USA!**

Perfect for "persuading" bolts, hi-loks, hinge pins, and other aircraft fasteners when you need to reduce the



potential of damaging the head of the fastener. Heads are 1" in diameter and are available in BRASS, NYLON, or ALUMINUM and are threaded so they are completely interchangeable and replaceable! High quality - MADE IN THE USA!

Part Number	Description	Shank Size	Price Each
BAT-3NYL	3-1/2" Straight w/ NYLON Face	.401	\$17.95
BAT-3NY498	3-1/2" Straight w/ NYLON Face	.498	\$24.95
BAT-3NYLOS	3-1/2" Offset w/ NYLON Face	.401	\$19.95
BAT-5NYL	5-1/2" Straight w/ NYLON Face	.401	\$19.95
BAT-5NYLOS	5-1/2" Offset w/ NYLON Face	.401	\$21.95
BAT-3ALM	3-1/2" Straight w/ ALUMINUM Face	.401	\$18.95
BAT-3AL498	3-1/2" Straight w/ ALUMINUM Face	.498	\$26.95
BAT-3ALMOS	3-1/2" Offset w/ ALUMINUM Face	.401	\$21.95
BAT-5ALM	5-1/2" Straight w/ ALUMINUM Face	.401	\$21.95
BAT-5ALMOS	5-1/2" Offset w/ ALUMINUM Face	.401	\$23.95
BAT-3BRS	3-1/2" Straight w/ BRASS Face	.401	\$19.95
BAT-3BR498	3-1/2" Straight w/ BRASS Face	.498	\$27.95
BAT-3BRSOS	3-1/2" Offset w/ BRASS Face	.401	\$22.95
BAT-5BRS	5-1/2" Straight w/ BRASS Face	.401	\$22.95
BAT-5BRSOS	5-1/2" Offset w/ BRASS Face	.401	\$22.95
BAT-RHNYL	BAT-RHNYL NYLON Replacement Head Only		\$6.95
BAT-RHALM	ALM ALUMINUM Replacement Head Only		
BAT-RHBRS	BRASS Replacement Head Onl	у	\$8.95

# **4 PIECE LONG RIVET GUN PUNCH KIT**

"Punch" portion is 1-3/4" long, 3-1/2" overall length. .401 shank. Includes sizes 1/8", 5/32", 3/16", & 1/4".

BAT-LG4PC \$29.95



1" Face, 3-1/2" overall length. .401 shank. Head is not replaceable.

BAT-BRS401 \$8.95



# RIVET GUN ACCESSORIES

#### **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** 



## "NO-MAR" BACK RIVET SHOOTER

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

BAT-1048 \$23.95



## 8" RIVET SET EXTENDER

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

SM401E \$39.95



## 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"	\$20.95
SMHSC401-5	5/32"	\$20.95
SMHSC401-6	3/16"	\$20.95
SMHSC401-8	1/4"	\$20.95
SMHSC401-10	5/16"	\$23.95
SMHSC401-12	3/8"	\$23.95

## 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

#### 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!

Made in the USA!



GPKIT-5 5 Pc Standard Gun Punch Kit \$32.95



ELGPKIT-5 5 Pc "Extra Long" Gun Punch Kit \$45.95

# .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. **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

#### .498 SHANK FLUSH RIVET SETS 😅

Highly polished surface. 2-1/2" Overall length. 1" Face. **Made in the USA!** 

SM100 \$15.95



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

 $\label{eq:hi-Lok-power} \mbox{Hi-Lok-pi is a registered trademark of the Hi-Shear Corporation and is used for reference only. Brown Tool is not licensed, sponsored, or affiliated in any way with the Hi-Shear Corporation.}$ 



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# **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 green or black.

G601-GRN Green \$13.95 G601-BLK Black \$13.95

# "OLD MAN" SCREW KNOCKER / REMOVER

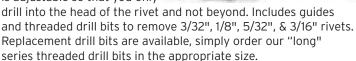
Use with your rivet gun to remove stubborn screws. .401 shank, accepts a 3/8" drive bit holder (not included). Choose standard 8" or our new stubby 4" model. Handle included.

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



# 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



BAT-131 \$45.95

# **RIVET LENGTH GAUGE**

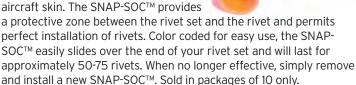
Use this handy gauge to check the proper length of rivets before installing. Works with both flush and button head rivets. Sizes are permanently stamped on the gauge. Use with -3, -4, -5, & -6 rivets.



**BAT-RLG01 \$7.45** 

## 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



Part Number	Rivet Size	Color	Price
1003	3/32"	White	\$12.95
1004	1/8"	Orange	\$12.95
1005	5/32"	Green	\$12.95
1006	3/16"	Yellow	\$12.95
1008	1/4"	Blue	\$12.95



## **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

#### **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. BAT-RHG02 \$9.95



# RIVET SQEEZERS & ACCESSORIES

# 12 PIECE RIVET SQUEEZER KIT

Contains 12 of our most popular cupped and flush Rivet Squeezer Sets. Includes 4 flush and 2 each cupped in 3/32", 1/8", 5/32", & 3/16". Industry standard 3/16" shanks. **You save \$9.45** by purchasing this handy kit. **Made in the USA!** 



# 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. Includes 5 flush sets, 3 ea cupped sets in 3/32", 1/8", 5/32", & 3/16", and



2 ea. 1/4". Industry standard 3/16" shanks. **This kit is** a great value, saving you over \$20! Made in the USA!

BAT-SQZ-19 \$97.95

#### **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





#### **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").

#### **BAT-HSKIT8 \$124.95**



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



#### **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 \$29.60 and get a free storage box by buying this kit!

DTATK-9 \$329.95

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

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

Brown Aviation Tool is one of the largest 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 \$659.95





INCLUDES BOTH
YOKES FOR
ONE LOW PRICE!



- 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**

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 \$84.95 😅

#### **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





# MICROSTOP COUNTERSINK CAGES

## "SEAT TRACK" 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) \$31.95



# **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 CC01 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



# IMPORT OR AMERICAN MADE ... THE CHOICE IS YOURS!

## **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 \$32.95



# **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 \$44.95



## "NO-MAR" COUNTERSINK CAGE

Same as our CCO1, 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



#### "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!

CC01-TEF-USA \$38.95





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

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 superb.

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"	\$6.49	\$5.85	\$5.49	\$5.19
CC040	#40	.0980	1/2"	\$6.49	\$5.85	\$5.49	\$5.19
ССО40-В	#40	.0980	3/8"	\$6.49	\$5.85	\$5.49	\$5.19
CC18	1/8"	.1250	1/2"	\$6.49	\$5.85	\$5.49	\$5.19
CC030	#30	.1285	1/2"	\$6.49	\$5.85	\$5.49	\$5.19
ССОЗО-В	#30	.1285	3/8"	\$6.49	\$5.85	\$5.49	\$5.19
CC027	#27	.1440	1/2"	\$6.49	\$5.85	\$5.49	\$5.19
CC532	5/32"	.1562	1/2"	\$6.49	\$5.85	\$5.49	\$5.19
CC021	#21	.1590	1/2"	\$6.49	\$5.85	\$5.49	\$5.19
CC021-B	#21	.1590	3/8"	\$6.49	\$5.85	\$5.49	\$5.19
CC020	#20	.1610	1/2"	\$6.49	\$5.85	\$5.49	\$5.19
ССО20-В	#20	.1610	3/8"	\$6.49	\$5.85	\$5.49	\$5.19
CC019	#19	.1660	1/2"	\$6.49	\$5.85	\$5.49	\$5.19
CC016	#16	.1770	1/2"	\$6.49	\$5.85	\$5.49	\$5.19
CC013	#13	.1850	1/2"	\$6.49	\$5.85	\$5.49	\$5.19
CC316	3/16"	.1875	1/2"	\$6.49	\$5.85	\$5.49	\$5.19
CC012	#12	.1890	1/2"	\$6.49	\$5.85	\$5.49	\$5.19
CC011	#11	.1910	1/2"	\$6.49	\$5.85	\$5.49	\$5.19
CC010	#10	.1935	1/2"	\$6.49	\$5.85	\$5.49	\$5.19
CC010-B	#10	.1935	3/8"	\$6.49	\$5.85	\$5.49	\$5.19
CC009	#9	.1960	1/2"	\$6.49	\$5.85	\$5.49	\$5.19
CC008	#8	.1990	1/2"	\$6.49	\$5.85	\$5.49	\$5.19
CC007	#7	.2010	1/2"	\$6.49	\$5.85	\$5.49	\$5.19
CC006	#6	.2040	1/2"	\$6.49	\$5.85	\$5.49	\$5.19
CC005	#5	.2055	1/2"	\$6.49	\$5.85	\$5.49	\$5.19
CC003	#3	.2130	1/2"	\$6.49	\$5.85	\$5.49	\$5.19
CC732	7/32"	.2188	1/2"	\$6.49	\$5.85	\$5.49	\$5.19
CC-D	"D"	.2460	1/2"	\$6.49	\$5.85	\$5.49	\$5.19
CC14	1/4"	.2500	1/2"	\$6.49	\$5.85	\$5.49	\$5.19
CC14-C	1/4"	.2500	5/8"	\$8.95	\$7.95	\$7.59	\$7.19
CC-G	"G"	.2610	1/2"	\$6.49	\$5.85	\$5.49	\$5.19
CC-J	"J"	.2770	5/8"	\$8.95	\$7.95	\$7.59	\$7.19
CC309	.309	.3090	5/8"	\$8.95	\$7.95	\$7.59	\$7.19
CC516	5/16"	.3125	5/8"	\$8.95	\$7.95	\$7.59	\$7.19





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



# **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
CC040-COB	#40	.0980	\$12.95
ссозо-сов	#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	S	\$57.95	



#### **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



# **JUMBO COUNTERSINK CAGE**

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. Made in the USA!

BAT-655 \$79.95

# 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

# **SPECIAL ANGLE COUNTERSINK CUTTERS**

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

Part Number	Pilot Size	Degree	Price Each
CC040-82	#40	82°	\$9.95
CC030-82	#30	82°	\$9.95
CC021-82	#21	82°	\$9.95
CC010-82	#10	82°	\$9.95
CC14-82	1/4"	82°	\$9.95
CC040-120	#40	120°	\$12.95
CC030-120	#30	120°	\$12.95
CC021-120	#21	120°	\$12.95
CC010-120	#10	120°	\$12.95
CC14-120	1/4"	120°	\$12.95
CC040-130	#40	130°	\$13.95
CC030-130	#30	130°	\$13.95
CC021-130	#21	130°	\$13.95
CC010-130	#10	130°	\$13.95
CC14-130	1/4"	130°	\$13.95



# 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 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.

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



## 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 \$138.95



# 30" HEAVY DUTY 90° FLEXIBLE "SNAKE" DRILL ATTACHMENT

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 \$248.95



#### **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**

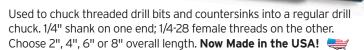
Attaches directly to your drill for access to those "hard

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



# "CHUCKING SPUD" DRILL EXTENSIONS



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



# "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"	\$55.95
C718	18"	4-3/8"	\$89.95



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



#### **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 \$35.95



## **5 PIECE HOLE FINDER KIT**

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

# SPEED DRIVER ("DOG LEG" DEBURRER)

Permits quick deburring operations, accepts 1/4-28 threaded bits. Easy to use.

6005 \$11.95



Great for quickly deburring holes from 1/16" thru 3/8". Complete with 1/4-28 threads. Three-Flute Design.

BAT4475-2 \$8.95

BUY BOTH THE DOG LEG AND DEBURRING BIT in our combo deal and save!

BAT-DLRB2 Dog Leg with Deburring Bit \$14.95



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#### **SEALANT MIXER**

Chuck the 1/4" shank of this tool into your drill and easily mix SEMKIT® Sealant Tubes.

BAT-MIX01 \$19.95



"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 have a hollow core, they can remove sealant around the heads of aircraft fasteners such as rivets, Hi-Loks, or bolts. Because they are also "side cutting", they are perfectly situated for removing sealant fillets in seams found in areas such as fuel tanks. Designed for use in low RPM threaded drill motors, SR Cutters feature an industry standard 1/4-28 male thread to attach directly to a 90 or 45 degree threaded drill motor. Manufactured from a space age heavy duty plastic material, SR Cutters will easily slice through aircraft sealants but will not damage fasteners or underlying structures. For optimal performance, SR Cutters should be operated at 800 - 1000 RPM,

Made in the USA!

two different diameters.

the maximum operating speed should

not exceed 1,500 RPM. Choose from

Part Number	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

# **PISTOL GRIP AIRCRAFT SEALANT GUN** Manufactured by APEX Tool (the same company that makes Cooper Hand Tools, DOTCO and Cleco Air Tools). Works with any industry standard 6oz SEMKIT® style sealant cartridge. Ships complete with 3ft air hose and 6oz Sealant Retainer - ready to use. Imported. Extra retainers available.

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

#### 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.

Made in the USA!

6-3/4" long

Manufactured from a heavy duty resin for long life.

**Ergonomically** shaped handle design with finger cutouts for maximum operator comfort.



Part Number	Description	1-9 Pieces	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	\$4.95	\$4.35	\$3.90
BAT-ATH16	Corner Scraper	\$4.95	\$4.35	\$3.90
BAT-ATH17	Narrow Head Curved Scraper	\$4.95	\$4.35	\$3.90
	Cours with som Ki	4-1		

Save with our Kits!					
Part Number	Description	1-9 Pieces	10-49 Pieces	50 & Up	
BAT-ATH4PC	4 Piece Kit (Includes -6, -7, -8, -10)	\$17.95	\$15.95	\$14.45	
BAT-ATH4PB	4 Piece Kit (Includes -13,-15,-16,-17)	\$17.95	\$15.95	\$14.45	
ВАТ-АТН8РС	8 Piece Kit (Includes all 8 styles)	\$34.95	\$30.95	\$27.95	

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 0-1/4". 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")	\$1.74	\$1.54	\$1.49
K-3/32	Silver	#40 (3/32")	\$.40	\$.38	\$.37
K-1/8	Copper	#30 (1/8")	\$.40	\$.38	\$.37
K-5/32	Black	#21 (5/32")	\$.40	\$.38	\$.37
K-3/16	Brass	#10 (3/16")	\$.40	\$.38	\$.37
K-1/4	Copper	1/4"	\$1.08	\$.97	\$.95
K-7/32	Silver	7/32"	\$1.48	\$1.31	\$1.28
K-177	Brass	#16 (.177)	\$1.48	\$1.31	\$1.28
K-144	Green	#27 (.144)	\$1.64	\$1.49	\$1.42



# "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"	\$.74	\$.67	\$.66
KK-1/8	Copper	1/8"	\$.74	\$.67	\$.66
KK-5/32	Black	5/32"	\$.74	\$.67	\$.66
KK-3/16	Brass	3/16"	\$.74	\$.67	\$.66



# "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"	\$.74	\$.68	\$.66
KHD-1/8	Copper	1/8"	\$.74	\$.68	\$.66
KHD-5/32	Black	5/32"	\$.74	\$.68	\$.66
KHD-3/16	Brass	3/16"	\$.74	\$.68	\$.66
KHD-1/4	Copper	1/4"	\$1.43	\$1.27	\$1.24



# **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 each



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





**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"	\$2.49	\$2.22	\$2.19
KWN-1/8	Copper	1/8"	0-1/2"	\$2.49	\$2.22	\$2.19
KWN-5/32	Black	5/32"	0-1/2"	\$2.49	\$2.22	\$2.19
KWN-3/16	Brass	3/16"	0-1/2"	\$2.49	\$2.22	\$2.19
KWN-7/32	Silver	7/32"	0-1/2"	\$3.49	\$3.19	\$3.09
KWN-1/4	Copper	1/4"	0-1/2"	\$3.09	\$2.73	\$2.69
KWN-5/16	Black	5/16"	0-1/2"	\$3.79	\$3.59	\$3.47
KWNL-3/32	Silver	3/32"	0-1"	\$2.72	\$2.40	\$2.37
KWNL-1/8	Copper	1/8"	0-1"	\$2.72	\$2.40	\$2.37
KWNL-5/32	Black	5/32"	0-1"	\$2.72	\$2.40	\$2.37
KWNL-3/16	Brass	3/16"	0-1"	\$2.72	\$2.40	\$2.37
KWNL-7/32	Silver	7/32"	0-1"	\$3.48	\$3.08	\$3.06
KWNL-1/4	Copper	1/4"	0-1"	\$3.29	\$2.90	\$2.89
KWNL-5/16	Black	5/16"	0-1"	\$3.75	\$3.52	\$3.39



#### **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"	\$2.48	\$2.19	\$2.14
KHN-1/8	Copper	1/8"	0-1/2"	\$2.48	\$2.19	\$2.14
KHN-5/32	Black	5/32"	0-1/2"	\$2.48	\$2.19	\$2.14
KHN-3/16	Brass	3/16"	0-1/2"	\$2.48	\$2.19	\$2.14
KHN-7/32	Silver	7/32"	0-1/2"	\$3.09	\$2.73	\$2.71
KHN-1/4	Copper	1/4"	0-1/2"	\$3.09	\$2.73	\$2.71
KHN-5/16	Black	5/16"	0-1/2"	\$3.09	\$2.73	\$2.71
KHNL-3/32	Silver	3/32"	0-1"	\$2.73	\$2.41	\$2.36
KHNL-1/8	Copper	1/8"	0-1"	\$2.73	\$2.41	\$2.36
KHNL-5/32	Black	5/32"	0-1"	\$2.73	\$2.41	\$2.36
KHNL-3/16	Brass	3/16"	0-1"	\$2.73	\$2.41	\$2.36
KHNL-7/32	Silver	7/32"	0-1"	\$3.59	\$3.15	\$3.11
KHNL-1/4	Copper	1/4"	0-1"	\$3.18	\$2.81	\$2.79
KHNL-5/16	Black	5/16"	0-1"	\$3.58	\$3.15	\$3.10

# SIOUX™ HEX NUT CLECO RUNNER

New 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 \$384.95



# 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!

A: =

BAT-DCT-06 \$19.95

Visit our website for even more clecos including Extra-Long Reach Draw Clecos and Cylindrical Body Clecos.



## **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
DS-SET	5pc Set (#40,	#30, #21, #10, & 1/4	") \$6.95

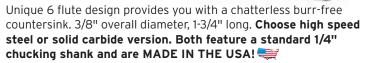
# **3 PIECE MULTI STEP DRILL KIT**

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 \$67.95

# **6 FLUTE 100 DEGREE** CHATTERLESS COUNTERSINK



Part Number	Description	1-11 Pieces	12 Pieces & Up
SEV-10	High Speed Steel	\$12.95	\$10.95
SEV-10-CARB	Solid Carbide	\$35.95	\$29.95



# 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	\$1.39
BAT-EZ-2	#2	5/32" to 7/32"	\$1.74	\$1.42
BAT-EZ-3	#3	7/32" to 9/32"	\$1.89	\$1.49
BAT-EZ-4	#4	9/32" to 3/8"	\$2.09	\$1.74
BAT-EZ-5	#5	3/8" to 1/2"	\$2.88	\$2.19

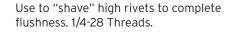




Pin routers are used for cutting, trimming, and routing as they are "side cutting". Perfect for cutting aluminum, plexiglass, and many other materials.

Part Number	Size	1-11 Pieces	12-35 Pieces	36 & Up
TAPR-1	3/32"	\$3.94	\$3.48	\$3.19
TAPR-2	1/8"	\$3.99	\$3.52	\$3.24
TAPR-3	3/16"	\$5.29	\$4.89	\$4.58
TAPR-4	1/4"	\$5.99	\$5.49	\$4.99

# **CARBIDE TIPPED RIVET SHAVER BITS**

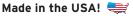




Part Number	Diameter	1-9 Pieces	10 Pieces & Up
BAT-RS516	5/16"	\$22.95	\$19.95
BAT-RS38	3/8"	\$22.95	\$19.95
BAT-RS716	7/16"	\$22.95	\$19.95
BAT-RS12	1/2"	\$23.95	\$20.95
BAT-RS916	9/16"	\$25.95	\$23.95
BAT-RS58	5/8"	\$27.95	\$25.95

## **SCREW GRAB® SCREW REMOVAL GEL**

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.





Part	1-9	10-49	50
Number	Bottles	Bottles	& Up
48100	\$7.95	\$6.15	\$5.75



# **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.

Part Number	Size	1-9 Pieces	10 & Up
HK-5/64	5/64"	\$.43	\$.36
HK-3/32	3/32"	\$.43	\$.36
HK-1/8	1/8"	\$.48	\$.43



## 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 different pilot sizes.

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
PBB-SET	Set of All Five Sizes			\$64.95

# **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 16 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 Sizes		



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



## **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.

HL001-SWIV \$34.95



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"	\$49.95

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# 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



#### **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!



Part Number	Fastener Size	Price Each
BATSK3581-5/32	5/32"	\$24.95
BATSK3581-3/16	3/16"	\$24.95
BATSK3581-1/4	1/4"	\$24.95
BATSK3581-5/16	5/16"	\$25.95
BATSK3581-3/8	3/8"	\$26.95
BATSK3581-7/16	7/16"	\$26.95
BAT-SK4PC Set	of 5/32", 3/16", 1/4", & 5/16	5" \$89.95
BAT-SK6PC	Set of all six sizes	\$139.95



# "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 \$8.95 WB12 12" Scale \$13.95 WB18 18" Scale \$25.95 WB24 24" Scale \$33.95



# CHERRYMAX® GRIP GAGE 😅

Slide rule style enables you to easily determine proper fastener length. **Made in the USA.** 

269C3 \$10.95



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

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# ALL METAL DRILL GAGE

Choose from Fractional Model for sizes
1/16" thru 1/2", Numbered Model for sizes #1 -#60, or the
Letter Model for 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 9094 A thru Z \$9.95

# BOELUBE® DRILLING LUBRICANT - PUSH-UP TUBE

Developed by Boeing, BOELUBE® comes in a 1.6oz push-up style plastic tube. Great for drilling, reaming and cutting operations. Will extend cutting tool life. Non-toxic, works with metals, plastics, and graphite. **BOELUBE®** is made in the USA!



Part	1-9	10-49	50
Number	Tubes	Tubes	& Up
BOE-001	\$3.95	\$3.45	\$3.15





## DYKEM® CROSS-CHECK™ TORQUE SEAL 💓

NEW & IMPROVED! Twice as much as the old Torque-Seal – now in a full 1 oz squeeze tube and now with a full TWO YEAR SHELF LIFE! (The old torque-seal product was only available in a 1/2 oz tube and it had a shelf life of only six months.) Use DYKEM® Cross-Check™ to detect tampering and vibration loosening of fasteners or parts after they are in proper torque or position. Compliant with Boeing Spec BMS8-45, Type II. Available from stock in five different colors. MADE IN THE USA!

83314-ORN Orange Cross-Check™
83315-GRN Green Cross-Check™
83316-RED Red Cross-Check™
83317-YLW Yellow Cross-Check™
83318-BLU Blue Cross-Check™

\$6.95 each (\$6.25 each when you buy a full case of 24 tubes.)





# SIOUX™ 1/4" MINI PALM DRILLS 🚐



An aerospace industry favorite due to their small size and full 1/3 horse power motor. Smooth teasing trigger for controlled starts. Ergonomic comfort grip and handle design fits nicely in your hand and provides maximum comfort. Choose from reversible or non-reversible models. MADE IN THE USA! One year factory warranty.



Model	Style	RPM	Weight	Length	Price
1410	Non-Reversible	2600	1.3 lbs	6.3"	\$239.95
1412	Non-Reversible	3600	1.3 lbs	6.3"	\$239.95
1410R	Reversible	2000	1.3 lbs	6.3"	\$279.95
1412R	Reversible	2600	1.3 lbs	6.3"	\$279.95

# SIOUX™ SIGNATURE SERIES PISTOL **GRIP RIVET SHAVER**

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 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 (see page 14). "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 \$439.95



# SIOUX™ SIGNATURE SERIES DRILL MOTORS 😅



The Sioux™ Signature Series Drills were 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. Sioux 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
SDR10P26N2	2600 RPM	7.6"	2.3 lbs	1/4"	\$198.95
SDR10P26N3	2600 RPM	8.1"	2.45 lbs	3/8"	\$198.95
SDR10P60N2	6000 RPM	7.6"	2.3 lbs	1/4"	\$239.95
SDR10P40N2	4000 RPM	7.6"	2.3 lbs	1/4"	\$239.95
SDR10P40N3	4000 RPM	8.1"	2.45 lbs	3/8"	\$239.95
SDR10P7N3	700 RPM	9.1"	2.88 lbs	3/8"	\$299.95
SDR10P7N4	700 RPM	9.6"	3.33 lbs	1/2"	\$299.95
SDR10P4N3	400 RPM	9.1"	2.88 lbs	3/8"	\$299.95
SDR10P4N4	400 RPM	9.6"	3.33 lbs	1/2"	\$299.95

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"	\$249.95
SDR10P25R3	2500 RPM	8.7"	2.56 lbs	3/8"	\$249.95
SDR10P7R3	700 RPM	9.7"	3.12 lbs	3/8"	\$349.95
SDR10P7R4	700 RPM	10.2"	3.57 lbs	1/2"	\$349.95
SDR10P3R4	300 RPM	10.2"	3.57 lbs	1/2"	\$349.95

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



# 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



# DOTCO

# **DOTCO® 1/4" MINI PALM DRILL**

Extremely small for operator comfort, yet extremely powerful!



Made in the USA!

Model	RPM	Price
14CFS93-38	3200	\$489.95
14CFS91-38	5200	\$494.95



# CHICAGO PNEUMATIC 1/4" MINI PALM DRILLS

High quality, production grade drill motors from a brand you know and trust!

- Full 1/2 horse power motor!
- Excellent teasing trigger
- JACOBS® industrial grade 1/4" capacity chuck & key
- Compact Only 6" long, weighs just 1.2 lbs
- Ergonomic "Wings" greatly improve control and comfort

Model	Size	Price
CP1014P24	2400 RPM	\$269.95
CP1014P33	3300 RPM	\$269.95
CP1014P45	4500 RPM	\$269.95

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

CHICAGO PNEUMATIC™

CP9285 \$139.95

built to exacting CP standards.

# 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.







# SIOUX™ AMERICAN MADE SIGNATURE SERIES DIE GRINDERS

SIOUX<sup>™</sup> Signature Series Die Grinders have been designed with the aerospace industry in mind. Made in the USA, they feature the quality, power, and reliability that are demanded by the aircraft maintenance and repair industries. Straight and 90° models with your choice of .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 \$219.95





SIOUX™ .5 HORSE POWER STRAIGHT DIE GRINDER ₩ Weighs 1.2 lbs, 7" long, rear exhaust. MADE IN THE USA!

SDG05S23 23,000rpm \$234.95

#### **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. 5 foot leader hose and collet wrenches included.





# **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"	\$87.95



## **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"	\$144.95
5007	3/8" Drive	265 RPM	1.3 lbs	6.6"	\$144.95

## 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

# 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.



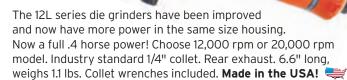
1338FC-25 \$25.95

## **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 \$184.95

# DOTCO® 90° DIE **GRINDER - NEW IMPROVED DESIGN!**



	Model	RPM	Price
12L	F281-36	20,000	\$569.95
12L	F280-36	12,000	\$569.95

# **DOTCO® STRAIGHT DIE GRINDER**

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 \$449.95



quality Panel Saw simple. Uses 2" diameter saw blades with a 1/4" arbor hole (replacement blades available on page 33 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 \$698.95

# BATCO™ THREADED DRILL MOTORS

BATCO Threaded Drill Motors offer excellent quality and great value. All four models feature a 1/3 horse power, 3200 RPM motor with rear exhaust. Housings are milled from solid stock. Industry standard 1/4-28 threads.



## **BATCO 90° THREADED DRILL MOTOR**

10.3" long, weighs 1.85 lbs. 15/16" head height.

#### **BAT-90TDM \$297.95**



#### **BATCO 360° THREADED DRILL MOTOR**

10.7" long, weighs 2 lbs. Head rotates a full 360°.

#### BAT-360TDM \$389.95



# **BATCO 45° THREADED DRILL MOTOR**

10.9" long, weighs 1.8 lbs..

#### BAT-45TDM \$299.95



## **BATCO "PANCAKE" THREADED DRILL MOTOR**

Head has a 3" reach. 8.2" overall length, weighs 1.9 lbs.

**BAT-PKTDM \$379.95** 



#### 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"	\$459.95
1AM1541	1AM1541 45°		1.5 lbs	10.2"	\$459.95



## **DOTCO® THREADED DRILL MOTORS**

A favorite in the aerospace industry! DOTCO® Threaded Drills feature a .4 horse power, rear exhaust motor that operates at 3300 RPM. Industry standard 1/4-28 threads. Choose 45 or 90 degree model. **Made in the USA!** 

Model	Style	RPM	Weight	Length	Price
15LF283-62	90°	3300	1.6 lbs	10.7"	\$859.95
15LF283-42	45°	3300	1.6 lbs	10.9"	\$885.95



## CHICAGO PNEUMATIC™/DESOUTTER THREADED DRILL MOTORS

Excellent quality, production grade threaded drill motors from Chicago Pneumatic / Desoutter feature a powerful, .4 horse power motor operates at 3000 RPM. Industry standard 1/4-28 threads. Choose 45 or 90 degree model.

Model	Style	RPM	Weight	Length	Price
DR300-T3000-S5-90	90°	3000	1.4 lbs	10"	\$1029.95
DR300-T3000-S5-45	45°	3000	1.4 lbs	10.5"	\$1039.95

# 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 \$49.95

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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=	<del></del>		STU	BBY			SHO	ORT			LO	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	\$4.59	\$4.28	1"	21070	\$4.49	\$4.18	2-1/8"	11070	\$4.59	\$4.28
3/32"	.0938	1/2"	31093	\$2.29	\$1.99	1"	21093	\$2.39	\$2.03	2-1/8"	11093	\$2.89	\$2.46
#40	.0980	1/2"	31098	\$2.24	\$1.92	1"	21098	\$1.99	\$1.79	2-1/8"	11098	\$2.13	\$1.92
1/8"	.1250	9/16"	31125	\$2.58	\$2.33	1-1/4"	21125	\$2.45	\$2.21	2-1/8"	11125	\$2.69	\$2.42
#30	.1285	9/16"	31128	\$2.18	\$1.89	1-1/4"	21128	\$2.04	\$1.84	2-1/8"	11128	\$2.14	\$1.88
#29	.1360	9/16"	31136	\$3.98	\$3.59	1-1/4"	21136	\$3.99	\$3.49	2-1/8"	11136	\$4.19	\$3.77
#27	.1440	9/16"	31144	\$2.43	\$2.19	1-1/4"	21144	\$2.29	\$2.06	2-1/8"	11144	\$2.48	\$2.23
5/32"	.1562	9/16"	31156	\$2.69	\$2.42	1-1/4"	21156	\$2.59	\$2.33	2-1/8"	11156	\$2.84	\$2.56
#21	.1590	9/16"	31159	\$2.44	\$2.20	1-1/4"	21159	\$2.29	\$2.02	2-1/8"	11159	\$2.48	\$2.23
#20	.1610	9/16"	31161	\$2.44	\$2.20	1-1/4"	21161	\$2.29	\$2.02	2-1/8"	11161	\$2.48	\$2.23
#19	.1660	9/16"	31166	\$2.58	\$2.33	1-1/4"	21166	\$2.52	\$2.22	2-1/8"	11166	\$2.78	\$2.43
#16	.1770	9/16"	31177	\$2.78	\$2.45	1-1/4"	21177	\$2.68	\$2.28	2-1/8"	11177	\$2.89	\$2.54
#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	\$2.84	\$2.47	1-1/4"	21185	\$2.83	\$2.48	2-1/8"	11185	\$2.89	\$2.54
3/16"	.1875	9/16"	31187	\$2.85	\$2.48	1-1/4"	21187	\$2.78	\$2.36	2-1/8"	11187	\$2.93	\$2.58
#12	.1890	9/16"	31189	\$2.89	\$2.46	1-1/4"	21189	\$2.89	\$2.46	2-1/8"	11189	\$2.99	\$2.63
#11	.1910	9/16"	31191	\$2.89	\$2.46	1-1/4"	21191	\$2.89	\$2.46	2-1/8"	11191	\$2.99	\$2.63
#10	.1935	9/16"	31193	\$2.89	\$2.46	1-1/4"	21193	\$2.67	\$2.34	2-1/8"	11193	\$2.88	\$2.45
#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	\$2.94	\$2.50	1-1/4"	21199	\$2.79	\$2.46	2-1/8"	11199	\$2.98	\$2.62
#7	.2010	9/16"	31201	\$3.48	\$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	\$3.39	\$2.88	1-1/4"	21204	\$3.24	\$2.92	2-1/8"	11204	\$3.24	\$2.92
#5	.2055	9/16"	31205	\$3.35	\$2.85	1-1/4"	21205	\$2.99	\$2.68	2-1/8"	11205	\$3.48	\$2.98
#3	.2130	9/16"	31213	\$3.98	\$3.43	1-1/4"	21213	\$3.49	\$3.09	2-1/8"	11213	\$3.69	\$3.20
7/32"	.2188	9/16"	31218	\$3.52	\$2.99	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	\$3.64	\$3.09	1-1/4"	21246	\$3.69	\$2.98	2-1/8"	11246	\$3.63	\$2.99
1/4"	.2500	9/16"	31250	\$3.14	\$2.69	1-1/4"	21250	\$2.96	\$2.59	2-1/8"	11250	\$3.18	\$2.80
"F"	.2570	9/16"	31257	\$4.12	\$3.71	1-1/4"	21257	\$3.72	\$3.35	2-1/8"	11257	\$3.89	\$3.50
"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	\$4.79	\$3.99	2-1/8"	11312	\$4.98	\$4.48
3/8"	.3750	3/4"	31375	\$6.58	\$5.69	1-1/4"	21375	\$6.39	\$5.79	2-1/8"	11375	\$5.97	\$5.37

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!



Size	Decimal	Length	Part #	1-99 Pieces	100 & Up
#40	.0980	3/8"	41098	\$3.18	\$2.89
#30	.1285	3/8"	41128	\$3.29	\$2.96
#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





# COBALT AIRCRAFT EXTENSION DRILL BITS - 6" & 12"

Our 6" and 12" COBALT Aircraft Extension Drills are manufactured to NAS 907 and feature a 135 Degree Split Point for heavy duty drilling in high tensile strength materials such as stainless, titanium, and inconel.

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

# 6" COBALT EXTENSION DRILLS 💓

Part Number	Size	Decimal Equiv.	1-11 Pieces	12-143 Pieces	144 & Up
#40C0B-6	#40	.0980	\$2.59	\$2.33	\$2.09
#30C0B-6	#30	.1285	\$2.79	\$2.51	\$2.26
#27COB-6	#27	.1440	\$2.79	\$2.51	\$2.26
#21COB-6	#21	.1590	\$2.98	\$2.68	\$2.41
#20C0B-6	#20	.1610	\$2.98	\$2.68	\$2.41
#16COB-6	#16	.1770	\$2.99	\$2.69	\$2.49
#13COB-6	#13	.1850	\$2.99	\$2.69	\$2.49
#12COB-6	#12	.1890	\$2.99	\$2.69	\$2.49
#10C0B-6	#10	.1935	\$2.98	\$2.68	\$2.47
#8COB-6	#8	.1990	\$3.14	\$2.83	\$2.55
1/4COB-6	1/4"	.2500	\$3.69	\$3.32	\$3.14

# 12" COBALT EXTENSION DRILLS 😅

Part Number	Size	Decimal Equiv.	1-11 Pieces	12-143 Pieces	144 & Up
#40C0B-12	#40	.0980	\$4.48	\$3.99	\$3.59
#30C0B-12	#30	.1285	\$4.48	\$3.99	\$3.59
#27COB-12	#27	.1440	\$4.59	\$4.14	\$3.73
#21COB-12	#21	.1590	\$4.59	\$4.14	\$3.73
#20C0B-12	#20	.1610	\$4.59	\$4.14	\$3.73
#16COB-12	#16	.1770	\$4.79	\$4.31	\$3.88
#13COB-12	#13	.1850	\$4.98	\$4.49	\$4.05
#12COB-12	#12	.1890	\$4.98	\$4.49	\$4.05
#10C0B-12	#10	.1935	\$4.89	\$4.40	\$3.96
#8COB-12	#8	.1990	\$5.19	\$4.68	\$4.22
1/4COB-12	1/4"	.2500	\$5.89	\$5.30	\$4.77



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 SU	115 PIECE SUPER SET 💓					
1	Includes 1/16" thru 1/2" by 64ths; #1 thru #60; and letter sizes A thru Z.					
115-HSS	High Speed Steel	\$229.95				
115-COB	Cobalt	\$398.95				
HU-115	Empty Case Only	\$32.95				

60 PIECE NUMBERED SET 🗮				
Includes numbe	r drill sizes #1 thru #60.			
60-HSS	High Speed Steel	\$79.95		
60-COB	Cobalt	\$139.95		
HU-60	Empty Case Only	\$9.95		

29 PIECE FRACTIONAL SET 🗮					
Includes 1/16" thr	u 1/2" x 64ths.				
29-HSS	High Speed Steel	\$89.95			
29-COB	Cobalt	\$159.95			
HU-29	HU-29 Empty Case Only \$9.95				
HU-29 Empty Case Only \$9.95					

We stock every single size of drill bit from 1/16" thru 1/2" in cobalt and high speed steel including number, letter, and fractional sizes. Visit our website to see our complete selection of drill bits.



# AIRCRAFT COUNTERBORES, PILOTS & COUNTERSINKS

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.

# **COUNTERBORES**



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"	\$24.95
BAT4015-7	5/8"	1/8"	\$27.95
BAT4015-7B	11/16"	3/16"	\$28.95
BAT4015-8	3/4"	3/16"	\$28.95
BAT4015-9	7/8"	3/16"	\$34.95
BAT4015-9B	13/16"	3/16"	\$36.95
BAT4015-9C	29/32"	3/16"	\$36.95
BAT4015-9D	15/16"	3/16"	\$37.95
BAT4015-10	1"	3/16"	\$38.95



# 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

#### **COUNTERBORE PILOTS**



Part Number	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



## 14 PIECE REVERSE COUNTERBORE KIT

This kit includes nine assorted reverse counterbores ranging from 1/4" to 5/8" in diameter and five corresponding reverse mandrels/pilots - all in a custom fitted storage box. Visit our website to see our complete selection of reverse counterbores.

BAT-RCB-14 \$189.95



# 10 PIECE 100 DEGREE REVERSE COUNTERSINK KIT

10 piece kit includes everything you need to reverse countersink holes ranging from 3/32" to 1/4" in diameter. Fitted storage box included.

BAT-RCS-10 \$128.95

#### **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	\$30.95
BAT-DAG128	#30	.1285	\$30.95
BAT-DAG159	#21	.1590	\$34.95
BAT-DAG187	3/16"	.1875	\$39.95
BAT-DAG193	#10	.1935	\$39.95
BAT-DAG250	1/4"	.2500	\$54.95



#### **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"	\$13.95	\$11.85
105-#40	#40	\$13.95	\$11.85
105-1/8	1/8"	\$14.95	\$12.15
105-#30	#30	\$14.95	\$12.15
105-#27	#27	\$15.95	\$13.55
105-5/32	5/32"	\$16.25	\$13.80
105-#21	#21	\$16.95	\$14.40
105-#20	#20	\$16.95	\$14.40
105-#19	#19	\$17.45	\$14.85
105-#16	#16	\$17.95	\$15.25
105-#13	#13	\$18.95	\$16.15
105-3/16	3/16"	\$18.95	\$16.15
105-#11	#11	\$19.45	\$16.55
105-#10	#10	\$19.45	\$16.55
105-#8	#8	\$19.95	\$16.95
105-7/32	7/32"	\$21.75	\$19.60
105-1/4	1/4"	\$25.95	\$22.90

#### **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-DRM332	3/32"	.0938	\$46.95
BAT-DRM40	#40	.0980	\$46.95
BAT-DRM18	1/8"	.1250	\$47.95
BAT-DRM30	#30	.1285	\$47.95
BAT-DRM532	5/32"	.1562	\$49.95
BAT-DRM21	#21	.1590	\$50.95
BAT-DRM20	#20	.1610	\$50.95
BAT-DRM316	3/16"	.1875	\$54.95
BAT-DRM10	#10	.1935	\$55.95
BAT-DRM8	#8	.1990	\$58.95
BAT-DRM14	1/4"	.2500	\$66.95
BAT-DRM516	5/16"	.3125	\$83.95



## **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 are in stock for immediate shipment; other sizes available by special order. **Made in the USA!** 

		STU	STUBBY		SHORT		LONG	
Size	Deci. Equiv.	Part Number	Price Each	Part Number	Price Each	Part Number	Price Each	
#40	.0980	51098ST	\$25.95	51098SH	\$25.95	51098LG	\$26.95	
#30	.1285	51128ST	\$25.95	51128SH	\$27.95	51128LG	\$29.95	
#21	.1590	51159ST	\$29.95	51159SH	\$32.95	51159LG	\$35.95	
#20	.1610	51161ST	\$29.95	51161SH	\$32.95	51161LG	\$35.95	
#13	.1850	51185ST	\$34.95	51185SH	\$36.95	51185LG	\$38.95	
#10	.1935	51193ST	\$36.95	51193SH	\$37.95	51193LG	\$39.95	
1/4"	.2500	51250ST	\$43.95	51250SH	\$44.95	51250LG	\$49.95	



## **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"	\$1.89	\$1.69	\$1.52
COW-4-3/8	4"	3/8"	\$1.89	\$1.69	\$1.52

## **6 PIECE DEBURRING SET**

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** 



#### **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



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

# **METAL CUTOFF WHEELS**





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	\$7.79
BAT-157-46	2"	60	\$8.99	\$8.48	\$7.79



Our new 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

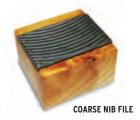




## **KNIPEX SMOOTH JAW PLIER WRENCHES**

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. Choose from five sizes.

Model	Length	Max. Jaw Opening	Price
86-03-125	5"	7/8"	\$52.95
86-03-150	6"	1"	\$52.95
86-03-180	7"	1-3/8"	\$55.95
86-03-250	10"	1-3/4"	\$59.95
86-03-300	12"	2-3/8"	\$72.95





# **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 \$16.75 BAT-89790 Fine Nib File \$16.75

# 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.





## **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 \$10.95 (Buy 10 or more and pay only \$9.85 each!)



# **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"	\$4.45	\$3.98
CC-2	2"	1-1/2"	\$5.45	\$4.90
CC-3	3"	1-3/4"	\$7.45	\$6.70
CC-4	4"	3-1/4"	\$11.45	\$10.30
CC-5	5"	3-1/4"	\$13.95	\$12.55
CC-6	6"	3-1/2"	\$17.95	\$16.15
CC-8	8"	4"	\$24.95	\$22.45



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 handles with pocket clip. High quality - made in the USA!

157 \$8.95

# 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 and awkward areas.

A perfect F.O.D. prevention tool use to pick up dropped tools and hardware. Made in the

USA!

KT-FMC \$11.95



## 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 \$21.95

# INDIVIDUAL PIN PUNCHES 😅

Choose from eight different stock sizes. Made in the USA!

Part Number	Size	Price
PP1/16	1/16"	\$5.79
PP3/32	3/32"	\$5.79
PP1/8	1/8"	\$4.98
PP5/32	5/32"	\$4.98
PP3/16	3/16"	\$4.98
PP7/32	7/32"	\$5.29
PP1/4	1/4"	\$5.29
PP5/16	5/16"	\$5.29



# 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!

SCR-8 \$8.95



