



YARDSTORE

✦ AIRCRAFT SHEET METAL TOOLS ✦



Mon-Fri: 8:00-5:00 (Central Time) | Sat: 8:00-1:00 (Central Time)

1.800.888.8991 (in US and Canada) | or **316.265.4673** (Local)

715 E 10th St N • Wichita, KS 67214-2918 USA | FAX: 316.265.9532

For Government Sales, our Cage Code is 3DNS7

Catalog No. 132

See www.yardstore.com for new products and current pricing.

MASTER SHEET METAL KIT FOAM INSERTS

The Yardstore now offers laser cut foam sheets with tool cutouts for professional shadowing of your toolbox at the low prices and quality that you have come to expect from us. This 7-piece foam kit is made with high density foam and contains precision cut shapes and finger pockets to allow for easy storage and removal of tools. The contrasting color foam enables you to easily know if a tool or accessory is missing.

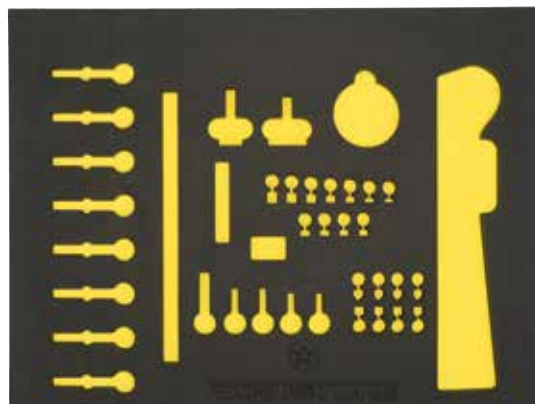
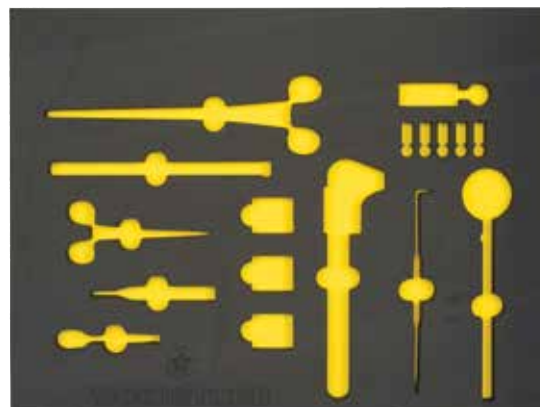
The foam sheets are 18" x 24" pieces. We have left 1.5" of trimmable space on each side as well as a 2" trimmable space at the back of the drawer to enable you adjust the size to fit in most standard toolbox drawers. Each foam sheet is either 1" or 1.5" thick.

This can be added to your purchase of any new Master Sheet Metal Tool Kit or can be purchased separately to accommodate an already purchased kit. The part numbers for the compatible Master Sheet Metal Tool Kits are 14556, 14557 and 14558.

These foam kits are in stock and ready to ship. Made in USA. Please contact us should you have additional questions.



Three of the seven foam inserts are shown. Visit www.yardstore.com to view the other inserts available.



This 7-piece foam kit is specifically designed to fit all tools contained in Master Sheet Metal Tool Kits (14556, 14557 and 14558) shown on page 3.

MASTER SHEET METAL KIT

The picture tells the story. Rivet gun, hole finders, clecos, clamps, drills and dozens more – this kit has most everything that an aircraft worker needs for the job. All at a savings only a Yardstore kit can deliver.



QTY	DESCRIPTION	PART #	QTY	DESCRIPTION	PART #	QTY	DESCRIPTION	PART #	QTY	DESCRIPTION	PART #
1	Riveter ACAT 2X - 3X - or 4X	YOUR PICK	1	R/S 5/32", 3.5" Offset	10009	1	Drill Stop #21	12982	1	Aviation Snips, Left	14023
1	Texas Palm Drill, 1/4" Keyed, 2600 RPM	12675	1	R/S 3/16", 3.5" Offset	10010	1	Drill Stop #10	12983	1	Aviation Snips, Right	14024
1	ACAT 90° Drill SDM	12111	1	Flush Set 1"	10170	1	Drill Stop 1/4"	13001	1	Aviation Snips, Straight	14025
1	ACAT 90° Die Grinder	12615	1	Flush Set Rubber Ring	10082	1	Drill Cup	13070	1	Mandrel, 1/4"	12129
1	Texas Squeeze w/ 1 1/2" Yoke	16300	1	Screw Extractor	10122	1	Threaded Drill Block	13072	2	3" Cut-Off Wheels, 1/4" Hole	12159
1	3/32" Button Head Squeezer Set	10111	1	Cleco Pliers	11094	1	#40 Drill Bushing Threaded	13073	1	Air Regulator, Brass	12161
1	1/8" Button Head Squeezer Set	10112	12	Spring Cleco 3/32"	11011	1	#30 Drill Bushing Threaded	13074	1	Riveting Spring, Small	14011
1	5/32" Button Head Squeezer Set	10113	12	Spring Cleco 1/8"	11012	1	#21 Drill Bushing Threaded	13075	1	Beehive Retainer Spring	14045
1	3/16" Button Head Squeezer Set	10114	12	Spring Cleco 5/32"	11013	1	#10 Drill Bushing Threaded	13076	6	Handi Clamps	14879
1	1/8" Flush Squeezer Set	10117	12	Spring Cleco 3/16"	11014	1	Dogleg Deburr Tool w/Bit	14031	1	Scale, 6" Black	14051
1	3/16" Flush Squeezer Set	11200	5	W/N Clecos 3/32", 0-1/2"	11170	1	Microstop, New	13031	1	Scale, 12" Black	14052
1	1/4" Flush Squeezer Set	11201	5	W/N Clecos 1/8", 0-1/2"	11171	1	Countersink #40 – 100 deg.	13011	1	Ford Wrench, 11"	14216
1	5/16" Flush Squeezer Set	11202	5	W/N Clecos 5/32", 0-1/2"	11172	1	Countersink #30 – 100 deg.	13012	1	Boelube Drilling Lube, 1.6 oz.	17205
1	3/8" Flush Squeezer Set	10116	5	W/N Clecos 3/16", 0-1/2"	11173	1	Countersink #21 – 100 deg.	13013			
1	7/16" Flush Squeezer Set	11203	1	#40, 12" HSS Drill Bit	33640	1	Countersink #10 – 100 deg.	13014			
1	1/2" Flush Squeezer Set	11204	1	#30, 12" HSS Drill Bit	33630	1	Countersink 1/4" – 100deg.	13015			
1	3/32" Dimple Die	10131	1	#21, 12" HSS Drill Bit	33621	1	Circle Cutter, 6" - USA	14302			
1	1/8" Dimple Die	10132	1	#10, 12" HSS Drill Bit	33610	1	Rivet Cutter	14009			
1	5/32" Dimple Die	10133	1	Drill Bit #40 Cobalt Jobber	32040	1	Plastic Air Vac	12151			
1	3/16" Dimple Die	10134	1	Drill Bit #30 Cobalt Jobber	32030	1	Chip Chaser	14201			
1	Pop Riveter Swivel-Head	13708	1	Drill Bit #21 Cobalt Jobber	32021	1	Hemostat - Straight, 6"	14022			
1	Bucking Bar	15000	1	Drill Bit #10 Cobalt Jobber	32010	1	Hemostat - Straight, 12"	14058			
1	Bucking Bar	15001	1	Threaded Drill Bit Cobalt #40x1"	17102	1	Hi-Lok Ratchet, 1/4"	14003			
1	Bucking Bar	15058	1	Threaded Drill Bit Cobalt #30x1 1/4"	17112	1	Hi-Lok Gauge w / Slide	14055			
1	Bucking Bar	15012	1	Threaded Drill Bit Cobalt #21x1 1/4"	17132	1	Cherry Gauge w / Slide	14056			
1	Bucking Bar	15015	1	Threaded Drill Bit Cobalt #10x1 1/4"	17152	1	Hook Scribe	14029			
1	R/S 3/32", 3.5" Straight	10001	1	#40 Standard Holefinder	13055	1	Inspection Mirror, Large, Round	14086			
1	R/S 1/8", 3.5" Straight	10002	1	#30 Standard Holefinder	13056	1	Auto Center Punch, Large	14089			
1	R/S 5/32", 3.5" Straight	10003	1	#21 Standard Holefinder	13057	1	Safety Pliers, 6"	13999			
1	R/S 3/16", 3.5" Straight	10004	1	#10 Standard Holefinder	13058	1	Safety Wire, .032-1# Roll	17200			
1	R/S 3/32", 3.5" Offset	10007	1	1/4" Standard Holefinder	13059	3	Air Line Swivel	12152			
1	R/S 1/8", 3.5" Offset	10008	1	Drill Stop #40	12980	6	Sideclamp Clecos, 1/2"	11091			
			1	Drill Stop #30	12981	6	Sideclamp Clecos, 1"	11092			

• 189 Total Pieces

YOUR CHOICE

Part #	Choice of Rivet Gun
14556	2X
14557	3X
14558	4X

Current Pricing Available at: www.yardstore.com, e-mail (orders@yardstore.com) or by phone

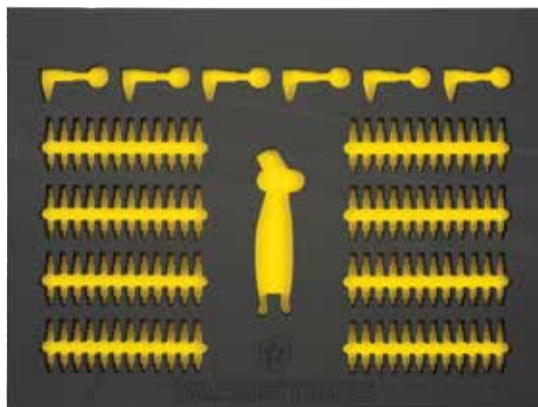
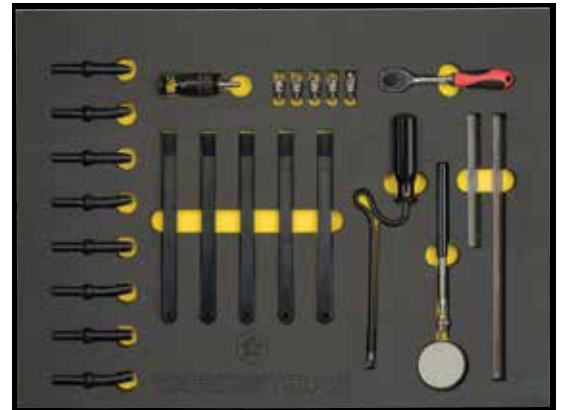
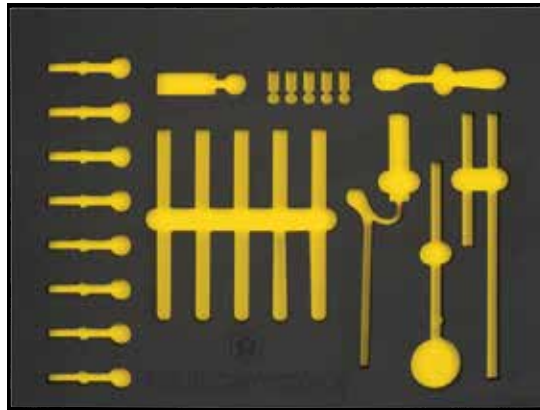
PRO RIVET SET (RR KIT 1) FOAM INSERTS

The Yardstore now offers laser cut foam sheets with tool cutouts for professional shadowing of your toolbox at the low prices and quality that you have come to expect from us. This 3-piece foam kit is made with high density foam and contains precision cut shapes and finger pockets to allow for easy storage and removal of tools. The contrasting color foam enables you to easily know if a tool or accessory is missing.

The foam sheets are 18" x 24" pieces. We have left 1.5" of trimmable space on each side as well as a 2" trimmable space at the back of the drawer to enable you adjust the size to fit in most standard toolbox drawers. Each foam sheet is either 1" or 1.5" thick.

This can be added to your purchase of any new Pro Rivet Set Tool Kit or can be purchased separately to accommodate an already purchased kit. The part numbers for the compatible Pro Rivet Set Tool Kits are 10155, 10156 and 10157.

These foam kits are in stock and ready to ship. Made in USA. Please contact us should you have additional questions.



This 3-piece foam kit is specifically designed to fit all tools contained in Pro Rivet Tool Kits (10155, 10156 and 10157) shown on page 5.

PRO RIVET SET KIT (RR KIT 1)

Our rivet kits on this page and the next two supply the rivet guns and accessories to easily and accurately install rivets on aircraft. Choose from kits that have it all or just the basics, or ones containing accessories or tools for special uses.



QTY	DESCRIPTION	PART #	Your Pick
1	Riveter ACAT 2X – 3X – or 4X		
1	ACAT 3/8" Reversible Drill	12601	
1	#40, 6" Standard Hole Finder	13055	
1	#30, 6" Standard Hole Finder	13056	
1	#21, 6" Standard Hole Finder	13057	
1	#10, 6" Standard Hole Finder	13058	
1	1/4", 6" Standard Hole Finder	13059	
1	Bucking Bar	15000	
1	Bucking Bar	15001	
1	Bucking Bar	15012	
1	Bucking Bar	15058	
1	R/S 3/32", 3.5" Straight	10001	
1	R/S 1/8", 3.5" Straight	10002	
1	R/S 5/32", 3.5" Straight	10003	
1	R/S 3/16", 3.5" Straight	10004	
1	R/S 3/32", 3.5" Offset	10007	
1	R/S 1/8", 3.5" Offset	10008	
1	R/S 5/32", 3.5" Offset	10009	
1	R/S 3/16", 3.5" Offset	10010	
1	Standard Flush Set	10170	
1	Flush Set with Rubber Ring	10082	
1	Cleco Pliers w/grip	11094	
6	1" Side Grip Cleco Clamps	11092	
24	3/32" Spring Clecos	11011	
24	1/8" Spring Clecos	11012	
24	5/32" Spring Clecos	11013	
24	3/16" Spring Clecos	11014	
1	Microstop	13031	

QTY	DESCRIPTION	PART #
1	Countersink #40 – 100 deg.	13011
1	Countersink #30 – 100 deg.	13012
1	Countersink #21 – 100 deg.	13013
1	Countersink #10 – 100 deg.	13014
1	Countersink 1/4" – 100 deg.	13015
1	Dogleg Deburr Tool w/Bit	14031
1	6" Scale	14051
1	12" Scale	14052
1	Brass Air Regulator	12161
1	Quick-Change Retainer Spring	14011
1	Beehive Retainer Spring	14045
1	1/4" Hi-Lok Ratchet	14002
1	Screw Extractor	10122
1	Round Inspection Mirror	14086
1	Air Blow Gun	14890
3	Male Air Fittings	14601

- **139 Total Pieces**

YOUR CHOICE

<u>Part #</u>	<u>Choice of Rivet Gun</u>
10155	2X
10156	3X
10157	4X

STANDARD RIVET SET KIT (RR KIT 3)

QTY	DESCRIPTION	PART #
1	Riveter ACAT 2X - 3X - or 4X	YOUR PICK
1	Bucking Bar	15000
1	Bucking Bar	15001
1	R/S 3/32", 3.5" Straight	10001
1	R/S 1/8", 3.5" Straight	10002
1	R/S 5/32", 3.5" Straight	10003
1	R/S 3/16", 3.5" Straight	10004
1	Standard Flush Set	10170
1	Brass Air Regulator	12161
1	Quick-Change Retainer Spring	14011
1	Beehive Retainer Spring	14045
1	Male Air Fitting	14601
1	Heavy Duty Tool Bag	14027

• **13 Total Pieces**

YOUR CHOICE

Part #	Choice of Rivet Gun
14523	2X
14524	3X
14525	4X



AVIATION RIVET SET KIT (RR KIT 4)

QTY	DESCRIPTION	PART #
1	Riveter ACAT 2X - 3X - or 4X	Your Pick
1	Bucking Bar	15000
1	Bucking Bar	15001
1	Bucking Bar	15012
1	R/S 3/32", 3.5" Straight	10001
1	R/S 1/8", 3.5" Straight	10002
1	R/S 5/32", 3.5" Straight	10003
1	R/S 3/16", 3.5" Straight	10004
1	R/S 3/32", 3.5" Offset	10007
1	R/S 1/8", 3.5" Offset	10008
1	R/S 5/32", 3.5" Offset	10009
1	R/S 3/16", 3.5" Offset	10010
1	Standard Flush Set	10170
1	Brass Air Regulator	12161
1	Quick-Change Retainer Spring	14011
1	Beehive Retainer Spring	14045
12	3/32" Spring Clecos	11011
12	1/8" Spring Clecos	11012
12	5/32" Spring Clecos	11013
12	3/16" Spring Clecos	11014
1	Cleco Pliers w/Grip	11094
1	Microstop	13031
1	Countersink #40 - 100 deg.	13011
1	Countersink #30 - 100 deg.	13012
1	Countersink #21 - 100 deg.	13013
1	Countersink #10 - 100 deg.	13014
1	Countersink 1/4" - 100 deg.	13015
1	6" Scale	14051
1	Hook Scribe	14029
1	Dogleg Deburr Tool w/Bit	14031
1	Heavy Duty Tool Bag	14027
1	Male Air Fitting	14601

• **76 Total Pieces**

YOUR CHOICE

Part #	Choice of Rivet Gun
14526	2X
14527	3X
14528	4X



CORNER RIVETING KIT (RR KIT 5)

ACAT Corner Rivet Gun & Short-Shank Sets Combo

Set rivets in tight spots with this powerful short-stroke rivet gun and a variety of straight and offset short-shank sets.

QTY	DESCRIPTION	PART #
1	ACAT Corner Rivet Gun	12000
1	Quick-Change Retainer Spring	14011
1	Beehive Retainer Spring	14045
1	Brass Air Regulator	12161
1	Short Shank R/S 3/32" Straight	10301
1	Short Shank R/S 1/8" Straight	10302
1	Short Shank R/S 5/32" Straight	10303
1	Short Shank R/S 3/16" Straight	10304
1	Short Shank R/S 3/32" Offset	10310
1	Short Shank R/S 1/8" Offset	10311
1	Short Shank R/S 5/32" Offset	10312
1	Short Shank R/S 3/16" Offset	10313
1	Short Shank R/S Flush	10306
1	Heavy Duty Tool Bag	14027

• 14 Total Pieces

Part #10128



AVIATION TOOL BAG SPECIAL

Contains many of the most commonly used bucking bars, rivet sets and flush sets a riveter would need.

QTY	DESCRIPTION	PART #
1	Bucking Bar	15000
1	Bucking Bar	15001
1	Bucking Bar	15012
1	Bucking Bar	15058
1	R/S 3/32", 3.5" Straight	10001
1	R/S 1/8", 3.5" Straight	10002
1	R/S 5/32", 3.5" Straight	10003
1	R/S 3/16", 3.5" Straight	10004
1	R/S 3/32", 3.5" Offset	10007
1	R/S 1/8", 3.5" Offset	10008
1	R/S 5/32", 3.5" Offset	10009
1	R/S 3/16", 3.5" Offset	10010
1	Standard Flush Set	10170
1	Flush Set w/Rubber Ring	10082
1	Heavy Duty Tool Bag	14027

• 15 Total Pieces

Part #10123



AIR CAPITAL RED BOX KITS

Many competitors sell these same exact items. We will beat any legitimate advertised price.

- We buy more and sell for less! -

Air Capital Red Box 737 Kits

Starter kits at a reasonable price – with your choice of either a 2X, 3X or 4X rivet gun. With four straight rivet sets, one flush set, two rivet gun springs and two popular sizes of bucking bars, the kit provides the tools you need to get started riveting. Includes a sturdy plastic box that lets you keep the air regulator attached when packed away. A package of sturdy, practical tools for an economical price.

Both kits include:

- Rivet gun (either 2X, 3X or 4X)
- Straight rivet sets - 3/32" (10001), 1/8" (10002), 5/32" (10003) and 3/16" (10004)
- Flush set with 1" face (10170)
- Two rivet gun springs, a quick-change (14011) and a beehive (14045)
- Air regulator (12161)
- Bucking bars included (15000 & 15001)
- Storage box - FOD style

RED BOX 737 KITS

SIZE	PART #
2X	14529
3X	14530
4X	14531



**3X Red Box
737 Kit**

Air Capital Red Box 777 Kits

Take your choice of either a 2X, 3X or 4X rivet gun in these great starter kits. These kits provide the tools you need with four straight rivet sets, four offset rivet sets, two flush sets, four of our most popular bucking bars and two rivet gun springs. Includes a sturdy plastic box that lets you keep the air regulator attached when packed away.

Both kits include:

- Rivet gun (either 2X, 3X or 4X)
- Straight rivet sets - 3/32" (10001), 1/8" (10002), 5/32" (10003) and 3/16" (10004)
- Offset rivet sets - 3/32" (10007), 1/8" (10008), 5/32" (10009) and 3/16" (10010)
- Flush set with 1" face (10170)
- Flush set with rubber ring (10082)
- Two rivet gun springs, a quick-change (14011) and a beehive (14045)
- Air regulator (12161)
- Bucking bars included (15000, 15001, 15012, 15058)
- Storage box – FOD style

RED BOX 777 KITS

SIZE	PART #
2X	14537
3X	14538
4X	14539



**3X Red Box
777 Kit**

RED BOX RIVET GUNS

NOW YOU CAN PURCHASE OUR RED BOX RIVET GUNS SEPARATELY!

Choose your gun based on the size of rivet you'll be driving, from 3/32" to 1/4". Each gun features a finely tuned, sensitive, **teasable trigger** that allows you to slowly begin riveting without hurting the skin, a lightweight aluminum handle for comfort and a hardened, precision-ground steel piston, cylinder and spool valve for long life.

A GREAT ECONOMICAL RIVET GUN WITH A TEASABLE TRIGGER.

See our Air Capital
Red Box Kits
on page 8.



Check out our rivet sets
on pages 45-47.



Check out our flush sets
on pages 48-52.



Check out our bucking bars
on pages 53-55.



2X Rivet Gun

- .401 shank
- BPM 2580
- Weight: 3.1 lbs.
- Length: 6"
- 5/32" aluminum rivet capacity
- Spring and air regulator included

Part #14532



3X Rivet Gun

- .401 shank
- BPM 2160
- Weight: 3.2 lbs.
- Length: 6 3/8"
- 3/16" aluminum rivet capacity
- Spring and air regulator included

Part #14533



4X Rivet Gun

- .401 shank
- BPM 1740
- Weight: 3.4 lbs.
- Length: 7 1/2"
- 1/4" aluminum rivet capacity
- Spring and air regulator included

Part #14534

ACAT RIVET GUNS



Used by aircraft mechanics worldwide, our 2X, 3X and 4X rivet guns are the highest quality. Choose your gun based on the size of rivet you'll be driving, from 3/32" to 1/4". **Each gun features a finely tuned, sensitive, teasable trigger** that allows you to slowly begin riveting without hurting the skin, a lightweight aluminum handle for comfort and a hardened, precision-ground steel piston, cylinder and spool valve for long life. **Made in USA.**

OUR MOST POPULAR RIVET GUNS.



ACAT Corner Rivet Gun

Designed for riveting in corners and other hard-to-maneuver spots, this tool is comparable in power to a 3X rivet gun. This gun uses short-shank rivet sets only.

- .401 shank
- BPM 2700
- Stroke: 2 1/4"
- Weight: 2.625 lbs.
- Length: 4 1/4"
- 3/16" aluminum rivet capacity
- Spring and air regulator included

Part # 12000



ACAT 2X Rivet Gun

- .401 shank
- BPM 2580
- Stroke: 2 1/4"
- Weight: 3.12 lbs.
- Length: 6"
- 5/32" aluminum rivet capacity
- Spring and air regulator included

Part # 12001



ACAT 3X Rivet Gun

- .401 shank
- BPM 2160
- Stroke: 2 7/8"
- Weight: 3.25 lbs.
- Length: 6 1/2"
- 3/16" aluminum rivet capacity
- Spring and air regulator included

Part # 12002



ACAT 4X Rivet Gun

- .401 shank
- BPM 1740
- Stroke: 3 1/16"
- Weight: 3.5 lbs.
- Length: 7 5/8"
- 1/4" aluminum rivet capacity
- Spring and air regulator included

Part # 12003



ACAT RIVET GUNS

Used by aircraft mechanics worldwide, our 5X, 7X and 9X rivet guns are the highest quality. Choose your gun based on the size of rivet you'll be driving, from 3/32" to 5/16". Each gun features a lightweight aluminum handle for comfort and a hardened, precision-ground steel piston, cylinder and spool valve for long life.

ACAT 5X Rivet Gun

Features a light-weight aluminum handle for comfort and a hardened, precision-ground steel piston, cylinder, and spool valve for long life.

- .498 shank
- 1/4" aluminum rivet capacity
- Weight: 5 lbs.
- Spring included
- BPM 1500
- 3/16" steel rivet capacity
- Length: 8"

Part #12705



ACAT 7X Rivet Gun

Features a light-weight aluminum handle for comfort and a hardened, precision-ground steel piston, cylinder, and spool valve for long life.

- .498 shank
- 3/8" aluminum rivet capacity
- BPM 900
- 5/16" steel rivet capacity
- Weight: 5.5 lbs.
- Spring included
- Length: 11"

Part #12007



Rivet Gun Shaft Reducer

When you have .401 shank rivet sets but a rivet gun that only accepts .498 shank sets, this reducer is the tool you need. Made of hardened steel and open at both ends to allow maximum riveting power, it increases the versatility of a .498 bore rivet gun.

Part #50102

ACAT 9X Rivet Gun

When the job requires heavy-duty riveting, this quality import is up to the task. A very powerful tool that's also great for knocking out stubborn pins.

- .498 shank
- BPM 1140
- 5/16" aluminum rivet capacity
- Spring included
- 1/4" steel rivet capacity
- Weight: 5.5 lbs.
- Length: 8 3/4"

Part #12004



ANGLE DRILLS & KITS



ACAT Angle Drills

Choose from any of these threaded, high-precision, durable and powerful drills at great prices.

- Accepts industry standard 1/4"-28 threaded bit

MODEL	HEAD ANGLE	HP	RPM	LENGTH	WEIGHT	PART #
SDM	Mini 90°	.30	2,600	8 1/2"	1.25 lbs.	12111
ACAT90DC	90°	.40	3,200	10 1/4"	1.8 lbs.	12630
ACAT45DC	45°	.40	3,200	10 3/4"	1.8 lbs.	12635
ACATD90DC	Double 90°	.40	3,200	10 5/8"	2.0 lbs.	12640

REPLACEMENT HEADS

HEAD ANGLE PART

90°	12631
45°	12636
Double 90°	12641

*These replacement heads will not fit part # 12111.

See pages 78 and 144 of this catalog for Chuck Adapters & Threaded Collets for your Angle Drills.



ACAT Mini 90° Drill



ACAT 90° Drill



ACAT 45° Drill



ACAT Double 90° Drill

ACAT Angle Drill Kit

This high-powered and durable drill kit gives you all the head choices you need to access the toughest locations. This kit includes the 90°, 45° and the double 90° angle heads, and a hard plastic, durable FOD carrying case.

- Model ACAT90DC
- 3,200 RPM
- Weight range: 1.8-2 lbs.
- .30 horsepower
- Length range: 10 1/4"-10 3/4"
- Accepts industry standard 1/4"-28 threaded bits

Part #12650



Right Angle Drill Kit

Kit includes:

- ACAT90DC right angle drill
- 15 threaded cobalt drill bits: #40 x 1/2" (17101), #40 x 1" (17102), #40 x 2 1/8" (17103), #30 x 9/16" (17111), #30 x 1 1/4" (17112), #30 x 2 1/8" (17113), #21 x 9/16" (17131), #21 x 1 1/4" (17132), #21 x 2 1/8" (17133), #10 x 9/16" (17151), #10 x 1 1/4" (17152), #10 x 2 1/8" (17153), 1/4" x 9/16" (17161), 1/4" x 1 1/4" (17162), 1/4" x 2 1/8" (17163)
- Storage box - FOD style

Part #76118



IKE TOOLS ROVER BATTERY ANGLE DRILL KITS

The first battery operated angle drills designed for aircraft work. Ike Tools listened to technicians and has introduced a (patent pending) 90°, 45° and double 90° angle drill. These tools were designed by Ike Tools for the maintenance technician who either does not have compressed air readily available or is frustrated with cumbersome air hose in their workspace. These drills are sold in a FOD style hard storage case (tool can be purchased without FOD case) designed to store an extra battery that can be purchased separately.

Please Note: These items can only be shipped by ground shipping (USA, Canada or Mexico). These items cannot be included in any Air or Overseas shipments due to federal regulations.

**** The Rover line is not designed for flammable or combustible locations such as in or near fuel tanks.**

Kits include:

- Angle drill
- 12V lithium-ion, 2.0 Ah Samsung battery (long life)
- Battery charger
- FOD storage case

Features include:

- Cordless – No inconvenient air hose
- Feather trigger
- LED trigger-controlled light
- Soft grip handle
- Locking switch
- Battery life indicator
- Accepts industry standard 1/4"-28 threaded bits

HEAD ANGLE	RPM	LENGTH	WEIGHT	PART #
90°	Up to 4,000	13"	1.9 lbs. w/battery	45300
45°	Up to 4,000	13"	1.9 lbs. w/battery	45301
Double 90°	Up to 4,000	13"	1.9 lbs. w/battery	45302



90° Drill



45° Drill



Double 90° Drill



Rover Drill Replacement Battery*

Replacement battery for the Ike Tools Rover cordless angle drills (Part #'s 45300, 45301 & 45302). The battery is a 12V lithium-ion, 2.0 Ah Samsung battery.

***Please Note:** This item can only be shipped by ground shipping (USA, Canada or Mexico). This item cannot be included in any Air or Overseas shipments due to federal regulations.



Part #45304

Rover Drill Replacement Battery Charger

Replacement battery charger for the Ike Tools Rover cordless angle drills (Part #'s 45300, 45301 & 45302).

Part #45305



ANGLE DRILLS



New Items

Sioux® Premium Angle Drills

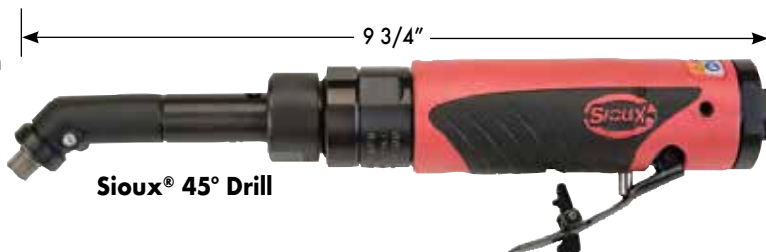
Sioux's classic drill motor has been completely updated with the Signature Series treatment and offers the latest in ergonomics, durability and power!

- 33% more power than previous models.
- Heads are now truly quick-change - you can replace the head with a different style in literally seconds, simply unscrew the installed head and reinstall the new head.
- Three-planet gear system for durability & long life.
- State of the art spiral bevel gears for long life & durability.
- Excellent TEASING throttle trigger for smooth starts.
- Integrated ergonomic rubber grip for superb comfort and control.

• Made in USA



Sioux® 90° Drill



Sioux® 45° Drill



Sioux® Double 90° Drill

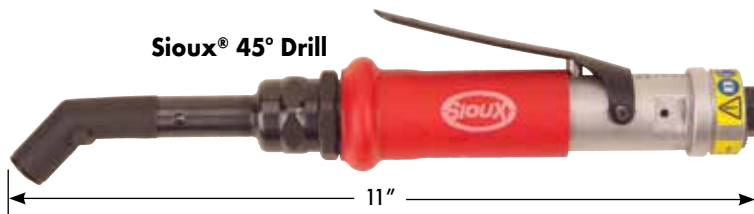
MODEL	HEAD ANGLE	HP	RPM	LENGTH	WEIGHT	PART #
SDR4A27S8L	90°	.40	2,700	9 1/2"	1.92 lbs.	12490
SDR4A28F8L	45°	.40	2,800	9 3/4"	1.9 lbs.	12491
SDR4A29T8L	Double 90°	.40	2,900	10"	2.1 lbs.	12492



Sioux® Angle Drills

Sioux's top-of-the-line, threaded angle drills feature triggers with a comfort grip.

- Accepts industry standard 1/4"-28 threaded bit
- Made in USA



Sioux® 45° Drill

MODEL	HEAD ANGLE	HP	RPM	LENGTH	WEIGHT	PART #
1AM1541	45°	.33	2,800	11"	1.5 lbs.	12213

ACAT PNEUMATIC TOOLS

ACAT 1/2" Impact

Nothing breaks loose rusty, corroded and over-tightened bolts better. This heavy-duty impact features a 1/2" square drive and a twin-hammer impact mechanism for dependable service in the aviation industry.

- Torque: 450 ft. lbs.
- Free speed: 7,000 RPM
- Adjustable torque

Part #12625



ACAT 1/4" Ratchet

With its variable-speed throttle, reversible action and ball retainer that keeps sockets fastened tight, this ratchet is excellent for light assembly and repair work.

- 250 RPM
- Weight: 1.1 lbs.
- 20 ft. lbs. torque
- Length: 7 1/2"

Part #12172

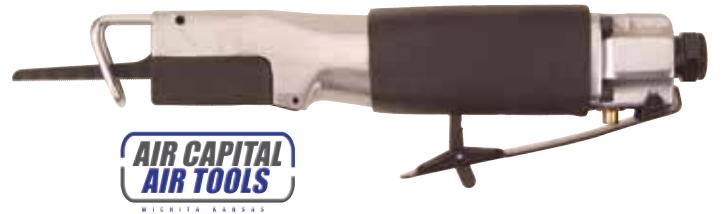


ACAT Reciprocating Saw

Squeeze the trigger and this lightweight saw cuts straight and curved shapes in aluminum, lightweight steel, plastic and fiberglass. Adjustable guard controls the depth of cut and the tool's short overall length allows access to tight spots. Includes one extra blade, guard, and 2 allen wrenches. Additional blades are available below.

- 10,000 strokes per minute
- Weight: 1.4 lbs.
- Length: 9 1/2"

Part #12619



Replacement Saw Blades

24T – Part #50098

32T – Part #50097

ACAT Air File

Excellent for fast removal of metal around rivet holes and elsewhere, this pneumatic file includes four 1/4" round-shank files (One each: rat tail, triangular, half round, flat bastard). Replacement files sold below.

- 3,700 strokes per minute
- Weight: 2.2 lbs.
- Length: 7"

Part #12618



REPLACEMENT FILES

DESCRIPTION	PART #
Rat tail	68023
Triangular	68024
Half round	68025
Flat bastard	68026
4-piece File Set	68027



GRINDERS



Texas 90° Mini Die Grinder

Texas brand tools are all aircraft quality. This grinder is ideal for cutting aluminum, steel and plastic and just the tool for faster deburring, sanding and polishing. Trigger action is smooth allowing for slow starts. This grinder is known for its comfortable ergonomic feel. Includes a 1/4" shank collet. An 1/8" shank adapter collet is available below. We stand behind this tool with our money back guarantee.

- 20,000 RPM
- Length: 5 1/2"
- Weight: 1.28 lbs.
- .30 horsepower
- 1/4" collet included

Part #12660



Texas Inline Mini Die Grinder

Texas brand tools are all aircraft quality. This grinder is the perfect tool for rapid metal removal and precise finishing. This grinder is very compact and lightweight, with excellent trigger action for slow starts and is known for its comfortable, ergonomic feel. Includes a 1/4" shank collet. An 1/8" shank adapter collet is available below. We stand behind this tool with our money back guarantee.

- 25,000 RPM
- Length: 5 1/2"
- Weight: .88 lb.
- 1/4" collet included

Part #12661



ACAT 90° Mini Die Grinder

This aircraft-quality grinder is ideal for cutting aluminum, steel and plastic and just the tool for faster deburring, sanding and polishing. Lightweight and powerful, it accesses hard-to-reach areas and has a trigger action designed for slow starts. Major aircraft manufacturers buy this tool from us and report years of dependable service, so don't let the price fool you. An 1/8" shank adapter collet is available below.

- 22,000 RPM
- Weight: .88 lb.
- Built-in regulator
- 1/4" collet included
- Length: 5"

Part #12615



ACAT Inline Mini Die Grinder

Slide a rotary file or grinding stone into this powerful, high-speed, aircraft-quality grinder, and you have the perfect tool for rapid metal removal and precise finishing. The grinder is very compact and lightweight, with excellent trigger action for slow starts. Comes with a 1/4" shank collet. An 1/8" shank adapter collet is available below. Major aircraft manufacturers buy this tool because it delivers years of trouble-free service. Don't let the low price fool you.

- 25,000 RPM
- Weight: .71 lb.
- 1/4" collet included
- Length: 6"

Part #12616



Die Grinder Arbor (Mandrel)

Screw a cut-off wheel tight to the arbor and you're ready to go. Its 1/4" shank fits most drills and die grinders and the arbor can accommodate wheels with either 1/4" or 3/8" through-hole sizes.

Part #12129

See page 97 for cut-off wheels.



1/8" Shank Adapter Collet

Part #13033



YARDSTORE

AIRCRAFT SHEET METAL TOOLS

GRINDERS & AIR ENGRAVERS

Sioux® 90° Die Grinder

This is a great, high-quality, inexpensive grinder. Ideal for cutting aluminum and steel and for sanding, polishing and other aircraft work. Trigger is smooth allowing for slow starts. Includes a 1/4" shank collet, and a 1/8" shank adapter is available on page 16.

- Model 5055A
- Weight: 1.1 lbs.
- 1/4" collet included
- 20,000 RPM
- Length: 5 1/2"

Part #12246



Sioux® 90° Die Grinder

This grinder is ideal for cutting aluminum, steel and plastic and for faster deburring, sanding and polishing. Trigger action is smooth allowing for slow starts. Includes a 1/4" shank collet, and a 1/8" shank adapter collet is available on page 16.

- Model SAG03S20
- Weight: 1.17 lbs.
- 1/4" collet included
- 20,000 RPM
- Length: 5 1/2"
- Made in USA

Part #12247



Sioux® Inline Die Grinder

This grinder is very compact and lightweight with excellent trigger action for slow starts. Use this tool for rapid metal removal and precise finishing. Includes a 1/4" shank collet. A 1/8" shank adapter collet is available on page 16.

- Model SDG03S25
- Weight: 1 lb.
- 1/4" collet included
- 25,000 RPM
- Length: 6"
- Made in USA

Part #12242



Sioux® Pencil Die Grinder

Lightweight, compact and high speed, this grinder is easy to use and can snake into tight spots. Ideal for precise grinding and deburring of metal, wood, plastic and composites.

- Model 5978A
- 5 ft. hose
- 54,000 RPM
- 1/8" collet

Part #12201



Sioux® Air Engraver

Mark tools and parts with this top quality Sioux® engraver that's designed to work on hard materials. Lengthy hose makes engraver easy to move around.

- Model 5980
- 13,000 cycles per minute
- 59" hose
- Built-in regulator
- Includes thick plate needle

Part #12215



Sioux® Pencil Die Grinder

The compact design of this tool lets you get into tight spots and offers precise grinding when needed. The variable speed control enables the operator to make adjustments to fit the application.

- Model 5977
- 59" hose
- 70,000 RPM
- 1/8" collet

Part #12274



**AIR ENGRAVER
REPLACEMENT NEEDLES**

SIZE	PART #
Thin Plate	67612
Medium Plate	67613
Thick Plate	67614

Sioux® 1/8" Replacement Collet

For use with Model 5977 shown above.

- Model 506465

Part #65075

**New
Item**



PALM DRILLS

Texas Palm Drills

These compact, light-weight, quiet and powerful air drills feature a .3 horse power motor, a feathering trigger which permits complete control of drilling speed, ergonomic handles for maximum operator comfort and are equipped with our high-end, precision chucks at **no extra charge**. These drills have been tested at a large Wichita aircraft plant with fantastic results. Choose from reversible or non-reversible.

NON-REVERSIBLE

CHUCK	RPM	LENGTH	WEIGHT	PART #
Texas 1/4" Keyed	2,600	5 1/2"	1.5 lbs.	12675
Jacobs 5/16" Keyless	2,600	5 1/2"	1.5 lbs.	12677

REVERSIBLE

CHUCK	RPM	LENGTH	WEIGHT	PART #
Texas 1/4" Keyed	2,000	6 1/4"	1.6 lbs.	12670
Texas 1/4" Keyed	3,100	6 1/4"	1.6 lbs.	12672



Sioux Palm Drills

These drills have an exceptional reputation in the industry. Small, light-weight with great balance, they are designed and built tough to handle demanding jobs and operate quietly and efficiently under load. The ergonomic handle provides maximum comfort. They feature a fully controllable, teasing trigger. Choose from reversible or non-reversible. **Made in USA**

NON-REVERSIBLE

MODEL	CHUCK	RPM	LENGTH	WEIGHT	PART #
SDR4P30N2	1/4" F6.5LBA	3,000	6 1/4"	1.60 lbs.	12452
SDR4P36N2	1/4" F6.5LBA	3,600	6 1/4"	1.60 lbs.	12453
SDR4P43N2	1/4" F6.5LBA	4,300	6 1/4"	1.60 lbs.	12454

REVERSIBLE

MODEL	CHUCK	RPM	LENGTH	WEIGHT	PART #
SDR4P30R2	1/4" F6.5LBA	3,000	6 1/2"	1.60 lbs.	12450



Jiffy® Palm Drills

Jiffy® palm drills are coveted by aircraft mechanics for their higher quality. Jiffy's® reputation has been developed over years of producing a superior product with focus on the aircraft industry. Their tools have often been unobtainable to the average mechanic because of the price their higher quality necessitates. Features include a .45 horsepower motor, fully controllable, teasing trigger and an ergonomic handle with rubber grip for maximum operator comfort. **Made in USA**

NON-REVERSIBLE

CHUCK	RPM	LENGTH	WEIGHT	HP	PART #
1/4" Keyed	4,500	7"	1.6 lbs.	.45	37115
Jacobs 5/16" Keyless	4,500	7"	1.7 lbs.	.45	37125



3/8" PISTOL GRIP DRILLS

ACAT Pistol Grip Drills

When tough jobs require extra power, these drills deliver. Features include light-weight aluminum handles, quality hardened gears, rear exhaust and variable speed. Choose from reversible or non-reversible.

NON-REVERSIBLE

CHUCK	RPM	LENGTH	WEIGHT	PART #
Jacobs 3/8" Keyed	2,200	7"	2.5 lbs.	12600

REVERSIBLE

CHUCK	RPM	LENGTH	WEIGHT	PART #
Jacobs 3/8" Keyed	1,800	7"	2.5 lbs.	12601



Part # 12600

Chuck key: KGA



Part # 12601

Chuck key: KGA



Sioux Pistol Grip Drills

Sioux® Signature Series drills feature teasing throttles, ball bearing construction throughout, cast aluminum handles with a comfort grip, 3 planet gear systems for increased life and load capacity, precision machined steel motors and ring gears. **Made in USA**

NON-REVERSIBLE

MODEL	CHUCK	RPM	LENGTH	WEIGHT	PART #
SDR10P26N3	3/8 Keyed	2,600	8"	2.45 lbs.	12225

REVERSIBLE

MODEL	CHUCK	RPM	LENGTH	WEIGHT	PART #
SDR10P20R3	3/8 Keyed	2,000	8 1/2"	2.56 lbs.	12226



Part # 12225

Chuck key: K30



Part # 12226

Chuck key: K30



1/2" PISTOL GRIP DRILLS



Sioux® 1/2" Drill

This drill provides the torque you need for those tough drilling jobs. Features a 3 planet gear system for increased life and load capacity, an ergonomic handle with soft textured grip, and light weight aluminum housing. A removable stabilizing handle is included.

- Model SDR10P4N4
- 1/2" Jacobs chuck
- **400 RPM**
- Weight: 3.34 lbs.
- Length: 8 1/2"
- **Made in USA**

Part #12238



Chuck key: KK

Sioux® 1/2" Reversible Drill

If you need a lot of torque, this is the drill for you. It features a light-weight aluminum housing, ergonomic handle with soft textured grip, 3 planet gear system for increased life and load capacity, reverse switch on top and a teasing trigger. A removable stabilizing handle is included.

- Model SDR10P12R4
- 1/2" Jacobs chuck
- **1,200 RPM**
- Weight: 3.55 lbs.
- Length: 9"
- **Made in USA**

Part #12241



Chuck key: KK

ACAT 1/2" DRILLS



Chuck key: K30

ACAT 1/2" Reversible Drill

If you need a lot of torque, this is the drill for you. It features a lightweight aluminum handle, variable speed, quality hardened gears and rear exhaust. A removable stabilizing handle is included.

- 1/2" Jacobs chuck
- **500 RPM**
- Weight: 3.5 lbs.
- Length: 8"

Part #12598



Chuck key: KK

ACAT 1/2" Reversible Drill

This is the drill to have in hand when the task requires a bunch of torque. It has a lightweight aluminum handle, variable speed, quality hardened gears, and rear exhaust. Supplied with a removable stabilizing handle.

- 1/2" Jacobs chuck
- **800 RPM**
- Weight: 3.2 lbs.
- Length: 7 1/2"

Part #12599



SCREW GUNS, GRINDER, ENGRAVER



ACAT Screw Gun

Our lightweight, pistol-grip screw gun is perfect for driving all types of screws and fasteners. Swap out springs to adjust the torque.

SPECIFICATIONS:

- 1/4" hex chuck
- 600 RPM
- 1/4" NPT air inlet
- Weight: 1.8 lbs.
- Length: 8 1/2"
- 3 torque springs included:
Green – 5-19 in/lbs
Black – 10-38 in/lbs
Yellow – 15-45 in/lbs

FEATURES:

- Ergonomic handle design
- Variable speed trigger
- Built-in comfort grip
- Thumb reverse switch
- Rear exhaust
- Externally adjustable torque

Part #12620

OUR BEST SELLER!



Sioux® Screw Gun

A versatile top-quality tool used for driving a wide variety of screws and fasteners in aircraft manufacturing and repair applications.

SPECIFICATIONS:

- Model SSD10P7AC
- 700 RPM
- Weight: 3.2 lbs.
- Length: 10"
- 1/4" hex chuck
- Torque range 5-140 in/lbs.

FEATURES:

- External torque adjustment
- Teasing throttle
- Conveniently located reverse switch
- Ergonomic handle with textured soft grip
- 1 HP motor
- Lightweight aluminum housing
- 3 idler gear system for increased life and load capacity

Part #12227



Pencil Die Grinder

Lightweight, compact and high speed, this grinder is easy to use and can snake into tight spots. Ideal for precise grinding and deburring of metal, wood, plastic and composites.

- 5 ft. hose
- 56,000 RPM
- 1/8" collet

Part #12623



Air Engraver

Mark tools and parts with this top-quality engraver that's designed to work on hard materials. Lengthy hose makes engraver easy to move around.

- 13,000 cycles per minute
- 55" hose
- Built-in regulator
- Includes thick plate needle

Part #12624



**AIR ENGRAVER
REPLACEMENT NEEDLES**

SIZE	PART #
Thin Plate	67612
Medium Plate	67613
Thick Plate	67614

NIBBLERS & SHEARS

Air Nibbler

Use this nibbler to cut aluminum, steel, tin, plastic or other metals. The nibbler is much more precise than shears and fits comfortably in the palm of your hand for added control.

- Nibbles up to 1/16" steel or 5/64" aluminum
- Weight: 2.2 lbs.
- 2,600 strokes per minute
- Length: 7"

Part #12122



**Air Force Nibbler
Replacement Blade**

Part #50090



**Air Force Nibbler
Nosepiece**

Part #50091

AirFORCE
PNEUMATIC TOOLS



Hand Nibbler

Nibbler has built-in waste curl cutter for sheet metal.

Cutting capacity:

- 21 ga (0.8 mm) stainless steel
- 16 ga (1.5 mm) galvanized steel, zinc, sheet metal, copper, brass

Part #50850

Replacement Blade

Part #50851



ACAT Inline Metal Shears

Pneumatic shears make straight or curved clean and distortion-free cuts with a head that can rotate 360 degrees. The cutting action removes a 1/4" strip of material, or the tool can be used to trim one edge.

- 2,200 RPM
- Length: 10"
- Weight: 2.4 lbs.
- 18-gauge steel capacity

Part #12611

**AIR CAPITAL
AIR TOOLS**
WICKITA, KANSAS



ACAT Pistol Grip Metal Shears

When a pistol grip provides the approach needed for the job, these shears can make straight or curved distortion-free cuts. The cutting action of the 360-degree rotating head removes a 1/4" strip of material, or the tool can be used to trim one edge.

- 2,200 RPM
- Length: 8"
- Weight: 2.75 lbs.
- 18-gauge steel capacity

Part #12612

**AIR CAPITAL
AIR TOOLS**
WICKITA, KANSAS



Texas Tab Shear

Use for precise shearing of router tabs on aluminum, steel, titanium and stainless steel. Features double-action trigger valve. Improved grip design for operator comfort. Ideal for use in the aerospace industry.

- Shearing force: 4,200 lbs.
- Weight: 6.5 lbs.
- 3/32" aluminum shear capacity
- Overall length: 9 3/4"
- 1/16" steel shear capacity
- Tab width: 2 1/2"
- Maximum throat opening: 1/8" x 3"

Part #13900



RIVET SHAVER KITS & BITS

Yard Store Rivet Shaver

This high quality tool will achieve clean, precise shaving regardless of rivet height. Tool has an ergonomic handle for greater operator comfort. Adjustable depth cut in 0.001" increments. Includes a stabilizer and 1/2" skirt.

- Weight: 2.7 lbs. • **21,000 RPM**
- Length: 8 1/4" • Accepts industry standard 1/4"-28 threaded bits

Tool Only Part #88750

Kit Part #88751

Kit includes:

- Yard Store rivet shaver
- FOD-style carrying case
- Yard Store shaver skirts: 5/16", 3/8", 7/16", 1/2", 9/16" and 5/8"
- Shaver bits: 5/16", 3/8", 7/16", 1/2", 9/16" and 5/8"

YARD STORE REPLACEMENT SHAVER SKIRTS

* Yard Store rivet shaver skirts and parts are not interchangeable with any other shavers we sell including the Sioux®.

SIZE	PART #
5/16"	87555
3/8"	87556
7/16"	87557
1/2"	87501
9/16"	87558
5/8"	87559



Sioux® Rivet Shaver

These high-quality tools achieve clean, precise shaving regardless of rivet height. Adjustable depth cut in 0.001" increments. Shaver supplied with stabilizer and 1/2" skirt and has a new ergonomic handle for greater operator comfort.

Tool Only Part #12234

Kit Part #12191

- Model SRS10P21 • **21,000 RPM**
- Weight: 2.6 lbs. • **Made in USA**
- Length: 8"
- Accepts industry standard 1/4"-28 threaded bits
- Sioux® Shaver skirts: 5/16", 3/8", 7/16", 1/2", 9/16" and 5/8"
- Shaver bits: 5/16", 3/8", 7/16", 1/2", 9/16" and 5/8"

SIoux® REPLACEMENT SHAVER SKIRTS

SIZE	PART #
5/16"	29255SX
3/8"	29256SX
7/16"	29257SX
1/2"	29258BSX
9/16"	29259SX
5/8"	292510SX



Rivet Shaver Bits

These carbide-tipped bits shave rivets that protrude too high above the surface. They are precision-ground for chatter-free cuts and longer life. 1/4"-28 threaded. Use in pneumatic rivet shavers, microstops or angle motors.

- Available in six sizes.



SIZE	PART #
5/16"	12194
3/8"	12195
7/16"	12196

SIZE	PART #
1/2"	12197
9/16"	12198
5/8"	12193

SANDERS

ACAT Belt Sander

With an adjustable head and less than a foot long, this lightweight belt sander is great for accessing hard-to-reach spots and works well on steel, aluminum, wood, plastic or rubber. Includes three belts (80, 100 and 120 grit), with additional belts available below.

- 16,000 RPM
- Length: 11"
- Weight: 1.7 lbs.
- Belt size: 3/8" x 13"

Part #12602

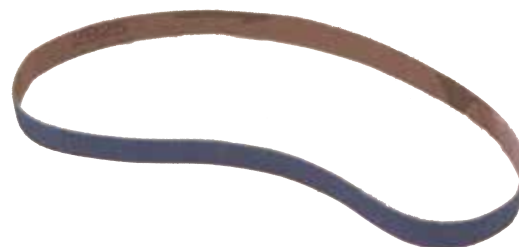


3/8" x 13" Sanding Belts

Choose from five different grits. All belts are 3/8" x 13". Fits ACAT sander, Part #12602, shown above.

Quantity pricing available
on 100+ pieces.

GRIT	PART #	GRIT	PART #
40	12107	100	12096
60	12094	120	12097
80	12095	180	12098



Sioux® Orbital Sander

The Sioux® sander features a low profile design and is lightweight and compact to give you greater sanding control with less vibration and operator fatigue. Includes a 6" vinyl pad.

- Model: RO2512-60SNP
- 12,000 RPM
- Height: 3.3"
- Weight: 1.5 lbs.
- 3/16" (5mm) standard orbit
- Ergonomic, 24-position, indexable grip
- Made in USA



Part #12574



ACAT Orbital Sander

The sander's low profile provides greater sanding control and its lightweight and compact design reduce vibration and operator fatigue. The accompanying dust-collection system keeps the workplace clean. Includes a 5" vinyl pad.

- 10,000 RPM
- Length: 3 1/2"
- Weight: 2 lbs.



Part #12610

ACAT Mini Orbital Sander Kit

Excellent quality tool features a comfortable pistol-gripped design, accommodates 2" and 3" sanding pads and has a direct drive, not angled gears, for long life.

KIT INCLUDES:

- Orbital sander
 - 15,000 RPM
 - Length: 3 1/2"
 - Weight: 1.5 lbs.
- 30 each, 2" sanding discs (10 ea. 320, 400 & 600 grit)
- 30 each, 3" sanding discs (10 ea. 320, 400 & 600 grit)

Part #12170

REPLACEMENT PADS

SIZE	THREADS	PART #
2"	M6	13370
3"	M6	13371



See page 97 for replacement hook and loop sanding discs.

RIVET GUN SPRINGS & RETAINERS

Quick-Change Retainer Spring .401

Push the finger tab and quickly and easily change both flush and button head rivet sets. Retainer spring fits most standard .401 shank 2X, 3X and 4X rivet guns.

Part #14011



Retainer Spring .401

This spring grips the shank tighter as hammering force increases, but lets you snap both flush and button head rivet sets in and out easily. Fits most standard .401 shank 2X, 3X and 4X rivet guns.

- Model A-046094 (Chicago Pneumatic)

Part #52401



Beehive Retainer Spring .401

Hold straight and offset rivet sets securely with this screw-on retainer spring. It fits most standard .401 shank 2X, 3X and 4X rivet guns. Will not work with flush rivet sets.

Part #14045



Beehive Retainer Spring .498

Hold straight and offset rivet sets securely with this screw-on retainer spring. Fits most .498 shank rivet guns.

Part #14113



Quick-Change Retainer Spring .401

Allows you to easily change flush and button head rivet sets without having to take the spring off the rivet gun. Small size fits most standard .401 shank 2X, 3X and 4X rivet guns.

DESCRIPTION

PART

Small

14012

Large

14013



Quick-Change Retainer Spring .498

Quickly and easily change both flush and button head rivet sets. Retainer spring fits most .498 shank rivet guns.

Part #14112



Rivet Gun Quick-Change Retainer

Use this retainer on the end of your rivet gun to quickly change out .401 shank rivet sets and flush sets. Install by pulling back collar, insert rivet set and release.

Part #52405 **\$25**

- Fits "X" style rivet guns



Rivet Gun Quick-Change Retainer

Use this retainer on the end of your rivet gun to quickly change out .401 shank rivet sets and flush sets. Install by pulling back collar, insert rivet set and release.

Part #52406 **\$25**

- Fits Ingersoll-Rand, Sioux, Jiffy and APT rivet guns



POP RIVETERS

ACAT 3/16" Pneumatic Pop Riveter

If you need to pull a lot of pop rivets, this tool is the answer. Ideal for heavy-duty production work. Includes wrenches and four nose pieces (3/32", 1/8", 5/32" and 3/16").

- Replacement jaws are available. (See below.)

Part #12603

This tool is not designed to pull Cherry-style rivets.



3/16" Replacement Jaws – Part #62339



ACAT 1/4" Pneumatic Pop Riveter

This is similar but larger than our Model 12603 (pictured at left) but will also pull a 1/4" pop rivet. Includes wrenches, an extra set of jaws and six nose pieces (3/32", 1/8", 5/32", 3/16", 5/64" and 1/4").

- Replacement jaws are available. (See below.)

Part #12604

This tool is not designed to pull Cherry-style rivets.

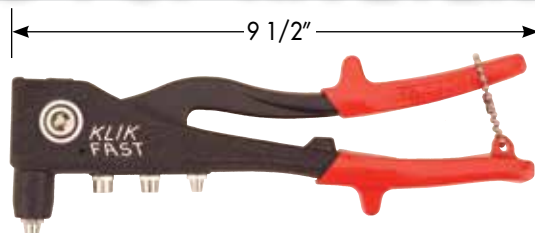
← This is similar but larger than our Model 12603 (pictured at left) but will also pull a 1/4" pop rivet.



1/4" Replacement Jaws – Part #62314



HAND POP RIVETERS



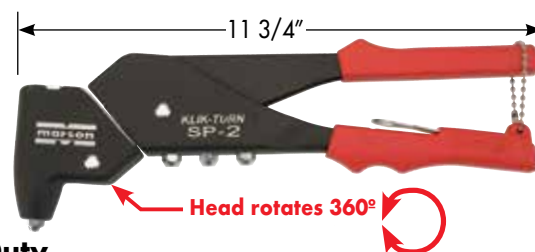
Heavy-Duty Hand Pop Riveter

Put a pop rivet into the nosepiece, slide the rivet shaft into a hole, squeeze the vinyl-gripped handle and – snap – you've set your rivet. Riveter includes interchangeable nosepieces for 3/32", 1/8", 5/32" and 3/16" rivets and a steel nosepiece insert for longer tool life. Replacement jaws are available.

Part #14231

Replacement Jaws for Hand Pop Riveters

Part #14313



Heavy-Duty Hand Pop Riveter with Swivel Head

The 360-degree swiveling head and extended nose of this riveter permit access to hard-to-reach spots. The tool, made of die-cast aluminum and hardened steel, has a vinyl grip and includes interchangeable nosepieces for 3/32", 1/8", 5/32" and 3/16" rivets. Replacement jaws are available.

Part #13708

GAGE BILT® PNEUMATIC TOOLS

Gage Bilt® GB704

This GB704 series pneumatic-hydraulic CherryMax® installer is designed to efficiently install a wide range of CherryMax® style rivets, with its light weight allowing one-hand operation in any position. A single nose assembly can install all three diameters of fasteners (1/8", 5/32", 3/16"). CherryMax® and Gage Bilt® pulling assemblies are interchangeable.

- Weight: 4.3 lbs.
- Load: 3,300 lbs @ 90 PSI
- Stroke: .540"
- Made in USA

Nose assemblies (pulling heads) are not furnished with tool and must be ordered separately.

Gun Only Part #18000



Model GB704

Gage Bilt® Nose Assemblies & Accessories



Straight Pulling Head
Model 456MAX-701-17
Part #18006



Offset Pulling Head
Model 456MAX-704-43OS
Part #18008

**Replacement
GB704 Straight and
Right Angle
Head Jaws 30513**
Part #18016

**Replacement GB704
Offset Head Jaws 78104**
Part #18026



**Right Angle
Pulling Head with
Pintail Deflector**
Model 456MAX-704-54RA
Part #18007



Extension 2"
Model 704002
Part #18010

Extension 4"
Model 704004
Part #18011

Extension 6"
Model 704006
Part #18012

**GB704 Gun & All
Three Heads**
Straight (18006),
Offset (18008), and
Right Angle (18007)

Part #18015



Gage Bilt® 10-32" Ground Stud Puller Nose Assembly

- Model GS10-715B-43 (Same as RV911-10)
- Recommended Tool: GB752 Riveter (Requires 730715 adaptor)
- Alternate Tool: GB704 Riveter (Requires 704001 adaptor)

Part #18080



Gage Bilt® Drawbolt Saddle

Replacement part for the GB 704 offset pulling head (456MAX-704-43OS) only.

Part #18150



Gage Bilt® 10-32" Ground Stud Puller Assembly

- Model GS10-752B-20 (New version) (Same as RV911-10)
- Recommended tool: GB751 Riveter
- Alternate tools: GB752, GB730, GB731 and GB722

Part #18082

GAGE BILT® PNEUMATIC TOOLS

Gage Bilt® GB784

The GB784 is a pneumatic-hydraulic tool designed specifically for the efficient installation of 2000 series Cherrylock® rivets NAS1398, NAS1399, NAS1738 and NAS1739. Can be operated in any position with one hand. It has a .900" rivet setting stroke and a rated pull load of 2650 lbs. with 90 psi air pressure at the air inlet. **Made in USA.**

APPLICATIONS:

- Aerospace blind rivets
- NAS 1400 series thru 1/4" aluminum
- NAS 1740 series thru 3/16"

SPECIFICATIONS:

- Accepts Gage Bilt® and Cherry® 681 series nose assemblies
- Hydrosift for double action rivets
- Weight: 8 lbs.
- Load: 2,650 lbs.
- Stroke: .875"

Part #18320



Model GB784

Gage Bilt® GB731

The GB731 is a pneumatic-hydraulic tool designed specifically for the efficient installation of a wide range of blind rivets and lockbolts. Can be operated in any position with one hand. It has a .600" rivet setting stroke and a rated pull load of 4800 pounds on 90 psi air pressure at the air inlet. Because of the fit and finish of the internal components (far fewer parts than other similar tools), the GB731 minimizes fluid leakage and the need for bleeding. This tool can be bled quickly. **Made in USA.**

APPLICATIONS:

- Lockbolts thru 1/4"
- Aerospace and commercial blind rivets thru 1/4"

SPECIFICATIONS:

- Accepts 3/4" diameter Gage Bilt® and Huck® noses
- Hydraulic return
- Weight: 5.75 lbs.
- Load: 4,800 lbs.
- Stroke: .600"

Part #18300



Model GB731
Equivalent to
Huck® 230 &
244

Gage Bilt® GB752

The GB752 is a pneumatic-hydraulic tool designed specifically for the efficient installation of a wide range of blind rivets, lockbolts, MAX rivets and blind bolts. Can be operated in any position with one hand. It has a .500" rivet setting stroke and a rated pull load of 3800 pounds on 90 psi air pressure at the air inlet. **Made in USA.**

APPLICATIONS:

- Commercial & aerospace blind rivets thru 1/4"
- Commercial lockbolts thru 1/4"
- MAX rivets thru 1/4"
- Blind bolts thru 3/16"

SPECIFICATIONS:

- Accepts 3/4" diameter Gage Bilt® & Huck® noses
- Weight: 4.75 lbs.
- Load: 3,800 lbs.
- Stroke: .500"

Part #18019



Model GB752
Equivalent to
Huck® 202

Gage Bilt® ASP®/Maf Drivers

For installing Asp F, 2Asp F, Asp P, 2Asp P, Maf F, 2Maf F, Maf P and 2Maf P.

- **Made in USA**

FASTENER DIAMETER	GAGE BILT NUMBER	DRIVE SIZE	TORQUE SETTINGS	PART#
13/64"(-06)	ASP-06	1/4"	10-20 in. lbs.	50390
17/64"(-08)	ASP-08	1/4"	20-30 in. lbs.	50391
21/64"(-10)	ASP-10	1/4"	30-40 in. lbs.	50392

ASP® is a registered trademark of Alcoa, Inc.



GAGE BILT® INSTALLATION KITS

Gage Bilt® GB722TCKL Trailer & Cab Kit

This blind rivet and lockbolt installation kit is designed especially for truck and trailer manufacturing and maintenance facilities.

Made in USA.

Kit includes:

- Gage Bilt® GB722 installation tool.
- LB06-722-20 nosepiece for installing 3/16" lockbolts and stainless steel grill bolts.
- MG06-722-60 nosepiece for installing 3/16" Magna-Grip® lockbolts.
- MG08-722-20 nosepiece for installing 1/4" Magna-Grip® lockbolts.
- MGLC68-752A-21 nosepiece (with two nose tips) for installing 3/16" and 1/4" Magna-Lok® blind rivets.
- Stem catcher bag.
- Metal carrying case.

Part #18024



Gage Bilt® GB704RK-1 Riveter Kit

The Yard Store offers a complete tool kit for installing Huck® and Cherry® blind rivets per NAS9301-NAS9312, M7885, BACR15FP/GK.

This kit contains the GB704 riveter, straight, right angle and offset noses to install -4, -5 and -6 diameter fasteners, bleeder bottle, pintail catcher bag and a grip selector gage. All items are stored in an easy access carrying case with manual, data sheets, powermax tools and pocket card.

Made in USA.

- Weight: 4.3 lbs.
- Load: 3,300 lbs @ 90 PSI
- Stroke: .540"

Part #18001



CHERRYMAX® PNEUDRAULIC TOOLS

CherryMax® 704B

Designed specifically for a wide range of CherryMax® style rivets, this powerful tool can be operated in any position with one hand. One nose assembly can install all three diameters of fasteners (1/8", 5/32", 3/16"). CherryMax® and Gage Bilt® pulling assemblies are interchangeable. Extensions that help reach limited-access areas are available on page 41.

- Weight: 4.3 lbs.
- Pulling force:
3,136 lbs @ 90 PSI

Nose assemblies (pulling heads) are not furnished with tool and must be ordered separately.



Gun Only Part #12087

**SAVE
BY PURCHASING THE KIT**

CherryMax® 704B & All Three Pulling Heads

Part #12092

CHERRYMAX® PULLING HEADS

Straight Pulling Head

Model H701B-456

Part #12090



Right Angle Pulling Head

Model H753A-456

Part #12088



Offset Pulling Head

Model H782

Part #69125



CherryMax® G747

Designed with many ergonomic features, its very light weight allows the user to operate it with one hand in any position. This tool uses straight, offset and right angle pulling heads, all of which can install 1/8", 5/32" and 3/16" diameter CherryMax® bulb-type rivets in all head styles, materials and grip lengths. Extensions that help reach limited-access areas are available on page 41.

- Weight: 3.5 lbs.
- Pulling force:
2,100 lbs @ 90 PSI

Nose assemblies (pulling heads) are not furnished with tool and must be ordered separately.



Gun Only Part #69079

**SAVE
BY PURCHASING THE KIT**

CherryMax® G747 & All Three Pulling Heads

Part #69105

REPLACEMENT JAWS

Cherry 704 Straight, Offset and Right Angle Head Jaws

Model 701B18

Part #69070



Cherry® Nose Assemblies

DESCRIPTION	SIZE	PART #
Cherry® H955-3	3/32"	62499
Cherry® H955-4	1/8"	62500
Cherry® H955-5	5/32"	62501
Cherry® H955-6	3/16"	62502

CHERRY® PNEUMATIC/HAND TOOLS

Cherry® G784 Hydro-Shift Riveter

Specifically designed for the most efficient installation of CherryLOCK® rivets. Its durable, all metal housing makes this tool extremely robust for use in a shop environment. It will install nearly all diameters of CherryLOCK® rivets up to a half-inch grip, "A" group only. This powerful tool has been designed with many ergonomic features: lower weight, less recoil, low noise and a comfortable fit in the operator's hand. It can be operated in any position with one hand. With the proper adapters and pulling heads this tool can be used to install other types of rivets. **Made in USA**

- Weight: 8 lbs.
- Pulling force: 2,600 lbs @ 90 PSI

Nose assemblies (pulling heads) not furnished with tool and must be ordered separately.

Part #69080



CherryLOCK® Pulling Heads – New

DESCRIPTION	SIZE	PART #
Cherry® H681-3C	3/32"	69084
Cherry® H681-4C	1/8"	69086
Cherry® H681-5C	5/32"	69088
Cherry® H681-6C	3/16"	69089
Cherry® H681-8C	1/4"	69093



Cherry® G84

This pneumatic-hydraulic installation tool is a heavy duty production tool designed for high speed, reliable installation of the most popular sizes of aircraft Lockbolts™. This tool can also be used to install blind bolts and rivets. **Made in USA.**

- Weight: 7.7 lbs.
- Pulling force: 5,750 lbs. @ 90 PSI

Part #69160

Nose assemblies (pulling heads) are not furnished with tool and must be ordered separately.



Cherry® G83A Hydraulic Riveter

This light-weight, pneumatic-hydraulic riveter is designed, but not limited to, the installation of Lockbolt™ and Blind Bolt type fasteners. **Made in USA**

- Weight: 4.95 lbs.
- Pulling force: 3,750 lbs @ 90 PSI

Part #69199

Nose assemblies (pulling heads) are not furnished with tool and must be ordered separately.

Cherry® G800CMR Installation Kit

- G800 hand riveter equipped with an H800 straight pulling head
- H782 offset pulling head
- H753A-456 right angle pulling head
- 886-003 nose piece (CherryLOCK® "A" code -3 diameter)
- 782-5BB nose piece ("U" type blind bolts -5 diameter)
- Two grip gauges
- Two fastener reference guides
- Stroke: 3/4"
- Overall height: 6"
- Overall length: 6"
- Weight: 1.7 lbs
- Pulling force: adjustable up to 6,000 lbs.
- Storage box-FOD style
- Made in USA

Part #69156



Hand Riveter Only with straight nosepiece
Part #69130

CHERRY® PULLING HEADS & TOOLS

CherryMax® H781A-456 Offset Pulling Head

The H781A-456 Offset Pulling Head fits directly on the G746A, G747, G704B, G704B-40SH and G704B-SR CherryMax® riveters and the G800 hand riveter.

- Maximum stroke: 3/4"

INTENDED USE:

- CherryMAX® Bulb & "AB" -4, -5 & -6 diameters
- Maxibolt "S" type -04 & -05 diameters
- Cherry 1900 "U" type -04 & -05 diameters
- MBC Lock Creator -4, -5 & -6 diameters

Part #12089

RIVETER	ADAPTER NEEDED
G83A, G84	744-300
G84-LS	744-600
G700, G784	680B205
G740	740A26
G744	744A20



Call for availability & pricing on adapters.



CherryMax® 704 Replacement Offset Jaws
(H781A-456)

Part #69072



CherryMax® Drawbolt Saddle

Replacement part for the CherryMax® offset pulling head (H781A-456) only.

- Model 781-005

Part #69081

Air Bleeder

This bleeder quickly and easily removes air from your Gage Bilt® or CherryMax® gun hydraulic system so that it's kept full of fluid. When used regularly, this ensures maximum efficiency and long life from your tools.



Part #18500

CherryMax® H747-456 Pulling Head

The H747-456 is the answer to customer concerns for a straight CherryMAX® pulling head for use in limited access areas, with the convertible design that allows a simple change in nose pieces to install a wide range of fasteners. The H747-456 fits directly on the Cherry® G704B, G746A and G747 power riveters.

The following fasteners are supported when using the H747-456:

- * MS20604/MS20605 in 3/32" and 1/8" diameter.
- * NAS1398/NAS1399 in 3/32", 1/8", 5/32" and 3/16" diameter A code versions.
- * NAS9301/NAS9312 in 1/8", 5/32" and 3/16" diameters.
- * NAS1719/NAS1720/NAS1721 in 1/8", 5/32" and 3/16" diameters both Standard and Lock Creator.
- * MS21140/MS21141 in 1/8" and 5/32" diameters
- * MS90353/MS90354 in 5/32" diameter (both "S" and "U" type).
- * NAS1919/NAS1921 (single action), in 1/8" and 5/32" diameters (both washer type and exposed lock collar type).
- * MS20600/MS20601 in 1/8" and 5/32" diameters.

Part #69101



CHERRYMAX® REPLACEMENT NOSE PIECES

Part #	Nose Piece	Description
69111	Cherry® 886-003	CherryLOCK® "A" Code: -3
69112	Cherry® 886-004	CherryLOCK® "A" Code: -4
69113	Cherry® 886-005	CherryLOCK® "A" Code: -5
69114	Cherry® 886-006	CherryLOCK® "A" Code: -6



Cherry® H84A-8 Straight Pulling Head

For use with the Cherry® G84 Riveter (P.N. 69160) (shown on pg. 31).

- Model: H84A-8
- This tool is designed to install -8 diameter CherryMax® blind fasteners

Part #62515

New Item

Cherry® H84A-8MB Straight Pulling Head

For use with the Cherry® G84 Riveter (P.N. 69160) (shown on pg. 31).

- Model: H84A-8MB
- Designed to install -8 diameter "S" type Maxibolts®

Part #68960



CHERRY® HAND TOOLS

Cherry® G902 Nut Plate Riveter

This Cherry® G902 feed-through pneumatic tool is designed specifically for the installation of blind rivets. It's all metal housing makes this tool ideal for use in rugged shop environments. This tool utilizes a straight pulling head for installing 3/32" and 1/8" pull through type nut-plate rivets or 3/32" CherryLock® "A" rivets.

- Stroke: 3/4" (19mm)
- Weight: 2 lbs.
- Pulling Force: 550 lbs. @ 90 PSI

Nose assemblies (pulling heads) are not furnished with tool and must be ordered separately. (See available pulling heads at the right)

Part #30050

CHERRYMAX® G902 PULLING HEADS

Pulling Head	Rivet Diameter	Part #
H902-3NPR	Nut-plate 3/32"	69020
H902-4NPR	Nut-plate 1/8"	69021



Cherry® Hand Riveters

These lightweight, rugged, compact tools are designed to install various Cherry® rivets and nut plate rivets. Intended for use where access or air/power limitations prevent the use of air/power tools.



728B4 Replacement Jaws

Part #62910

MODEL	RIVET INSTALLATION PARAMETERS	NOSEPIECE(S) INCLUDED	WEIGHT	LENGTH	PART#
G27	CherryMax® Rivets (1/8" only)	728A9-4 (1/8" aluminum)	13 ounces	9 1/4"	69059
G28	Broad range of Avdel® & Cherry® Rivets	728A9-4 (1/8" aluminum) 728A9-6 (5/32" & 3/16" aluminum)	13 ounces	9 1/4"	69106
G29	Cherry® Nut-Plate Rivets	728A9-3 (3/32" aluminum) 728A9-104 (1/8" aluminum)	13 ounces	9 1/4"	69096
G30*	3/32" CherryLock® "A" code Nut-Plate Rivets CR2672 & CR2673 Series	728-33 (3/32" aluminum)	13 ounces	9 1/4"	69085

* The G30 will also install the Cherry® CCR264/274 Series rivets with a 728A9 nosepiece. Call for availability.

CherryMax® 744-300 Adapter

This adapter converts the G84 riveter to the end configuration of the G704B, G746A and G747. It allows the use of the H701B-456 and all pulling heads that work on the tools listed with the G84 riveter.

- For use primarily with 1/8", 5/32" and 3/16" diameter CherryMax® rivets.

Part #69082



CherryMax® 704A9 Adapter

This 704A9 adapter fits the CherryMax® G701, G747, G746A and G704B riveters. It also fits the Gage Bilt® GB704 riveter. This adapter is necessary when using H9015 pulling heads (for nut plate rivets) and H9055 pulling heads (Cherrylock A code) with the CherryMAX® riveters.

Part #69152

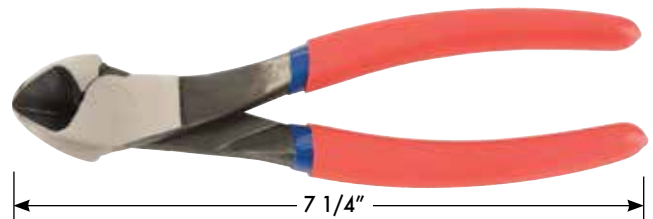


Crescent® Cherry® Nipper

Finish the job right: use these to trim CherryMax® rivets flush after installation.

- 209 type
- Cut capacity: 22 AWG

Part #16250



PNEUDRAULIC TOOLS

Huck® Pneudraulic Installation Tools

Pneudraulic tools are heavy-duty, reliable and well suited for quickly and efficiently installing high volumes of lockbolts and blind fasteners. Powered by 90-100 psi of air pressure, the hydraulic piston develops high pull pressures, producing an optimum stroke for one-cycle installations.

*** NOTE: These tools must be equipped with a nose assembly (pulling head) designed for the installation of a specific fastener. Nose assemblies are not included and must be ordered separately. (Call for pricing.)**

Huck® 244X *

The new generation Model 244X offers stainless steel sleeves in both the head and the handle, better component wear life, and reduced maintenance downtime. Additionally, with an upgraded internal relief valve, debris-preventing throttle arm guard, the new 244X will significantly out perform its predecessor. Designed to install lockbolt and blind fasteners up to 1/4" diameter at high volume.

- Model 244X
- Weight: 5.69 lbs.
- Air pressure required: 90-100 PSI
- Stroke: .562 in
- Pulling force: 4,606 lbs. @ 90 PSI

Part #50356



Huck® 256 *

This tool is designed for high-speed production applications. Includes a concentric, inline-pull piston. Plated piston rods will extend seal life and adds to the durability of the tool. Able to install up to 20 fasteners per minute.

- Model 256
- Weight: 11.1 lbs.
- Air pressure required: 90-100 PSI
- Stroke: .875 in.
- Pulling force: 9,986 lbs. @ 90 PSI

Part #50355



NOTE: Nosepieces listed below are sold separately. (call for pricing)

- Magna-Grip: (3/16") 99-3206, (1/4") 99-3207, (5/16") 99-1439, (3/8") 99-1440
- Magna-Lok: (3/8") 99-3318
- Magna-Bulb: (5/16") 99-3307
- Magna-BOM: (3/16") 99-1053, (1/4") 99-830-1, (5/16") 99-769
- C6L: (5/16") 99-99-245, (3/8") 99-100-245

Huck® 2025 *

Built for production and to be used for volume fastening. Features a concentric, inline-pull piston and plated piston rods that will extend seal life and adds to the durability of the tool.

- Model 2025
- Weight: 5.75 lbs.
- Air pressure required: 90-100 PSI
- Stroke: .675 in
- Pulling force: 5,290 lbs. @ 90 PSI

Part #50331



HUCK® AK-175 & TRUCK FASTENER KITS

Huck® AK-175 Installation Tool

This compact and lightweight riveter has an astounding 3,500 pounds of pulling force and features a unique jaw system which allows it to set rivets from 1/8" up to 1/4" diameter steel, stainless steel, aluminum and plastic rivets by changing only the nosepiece. Use to install pop rivets, plastic rivets, monobolts, split "T" rivets and Magna-Lok®. This riveter will operate effectively at any air pressure between 90 and 120 psi.

- Weight: 1.75 lbs. • Length: 7 1/2" • Storage box – FOD style

Part #50470

Replacement Nose Pieces

DESCRIPTION	PART #
1/4" Magna-Lok®	50471
* 1/8" for trim molding pop rivets	50477
3/32" & 1/8" pop rivets	50478
1/8" stand off pop rivets	50479
* 5/32" & 3/16" pop & plastic rivets	50480
3/16" Monobolts	50481
* 1/4" auto split "T" rivets	50482
* 1/4" pop & plastic rivets	50483
1/4" Monobolts	50484
Spec. GM glass stop travel pop rivets	50485

* Included in AK-175 Kit



Huck® 3-Piece Jaw Set

Replacement jaw set for Huck® riveter Models AK-175 and HK-150.

Part #50473



"Truck Fastener" Kit

This Huckbolt truck fastener installation tool kit is ideal for many truck and trailer repair applications. This kit is designed to have everything you need to install Huck C6L, Magna-Grip®, Avdel, Avdelok and Avdel Maxlok fasteners in 3/16" and 1/4" size. The kit also includes nosepieces to install 5/32", 3/16" and 1/4" blind rivets. The blind rivet nose assembly will adapt to install 3/16" and 1/4" Magna-Lok® and Monobolt fasteners. It uses 5,500 lbs. of pulling force and operates at a recommended air pressure of 90-110 psi.

Part #18900

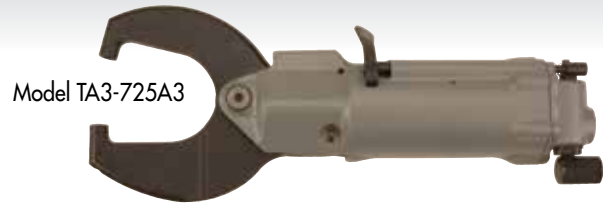


ACAT PNEUMATIC SQUEEZES



Pneumatic "A" Squeezes

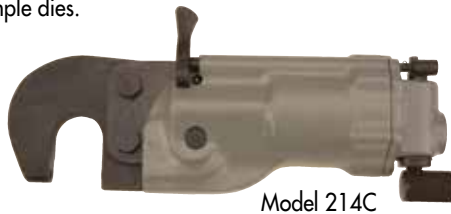
Quiet and easy-to-operate alligator-type compression riveters are excellent for many assembly operations. The "squeeze" action on these single and tandem cylinder squeezes allows for easy control, great accuracy and uniformity. Swivel air inlet makes riveters easy to maneuver. They use standard 3/16" shank squeeze sets and dimple dies.



YOKE SIZE/CYLINDER	MODEL #	FORCE LBS.	WEIGHT	LENGTH	ALUMINUM RIVET CAPACITY	STEEL RIVET CAPACITY	PART#
1 1/2" Single	214A	3,000	3.8 lbs.	9 3/16"	1/8"	3/32"	12322
3" Single	214A3	1,800	4.5 lbs.	10 3/4"	3/32"	1/16"	12323
1 1/2" Tandem	TA1.5-725A	6,000	5 lbs.	11 3/16"	3/16"	5/32"	12324
3" Tandem	TA3-725A3	3,400	6 lbs.	13 1/2"	1/8"	3/32"	12325

Pneumatic "C" Squeezes

Quiet and easy-to-operate C-type compression riveters are excellent for many assembly operations. The "squeeze" action on these single and tandem cylinder squeezes allows for easy control, great accuracy and uniformity. Swivel air inlet makes riveters easy to maneuver. They use standard 3/16" shank squeeze sets and dimple dies.



YOKE SIZE/CYLINDER	MODEL #	FORCE LBS.	WEIGHT	LENGTH	ALUMINUM RIVET CAPACITY	STEEL RIVET CAPACITY	PART#
1 1/2" Single	214C	3,000	4.5 lbs.	10 5/16"	1/8"	3/32"	12326
3" Single	214C3	3,000	6.7 lbs.	11 1/2"	1/8"	3/32"	12327
1 1/2" Tandem	TC-720C	6,000	5.5 lbs.	14"	3/16"	5/32"	12328
3" Tandem	TC3-720C	6,000	7.5 lbs.	15 1/2"	3/16"	5/32"	12329

ACAT High Force Pneumatic "C" Squeezes



YOKE SIZE/CYLINDER	FORCE LBS.	WEIGHT	LENGTH	ALUMINUM RIVET CAPACITY	STEEL RIVET CAPACITY	PART#
1 1/2" Tandem	7,600	5.5 lbs.	14"	1/4"	3/16"	12430
3" Tandem	7,600	5.5 lbs.	14"	1/4"	3/16"	12431

Stand and foot controls are available for all "A" and "C" pneumatic squeezes. Call for pricing.

All the new pneumatic squeezes come with a one-year warranty.

PNEUMATIC SQUEEZES - AN AIRCRAFT QUALITY IMPORT



Pneumatic "A" Squeezes

Quiet and easy-to-operate alligator-type compression riveters are excellent for many assembly operations. The "squeeze" action on these single and tandem cylinder squeezes allows for easy control, great accuracy and uniformity. Swivel air inlet makes riveters easy to maneuver. They use standard 3/16" shank squeeze sets and dimple dies.

Part # 12395



Part # 12398



YOKE SIZE/CYLINDER	FORCE LBS.	WEIGHT	LENGTH	ALUMINUM RIVET CAPACITY	STEEL RIVET CAPACITY	PART#
1 1/2" Single	3,000	4.2 lbs.	9 1/2"	1/8"	3/32"	12395
3" Single	1,800	4.5 lbs.	10 1/2"	3/32"	1/16"	12396
1 1/2" Tandem	6,000	5.3 lbs.	11 1/2"	3/16"	5/32"	12397
3" Tandem	3,400	5.83 lbs.	14"	1/8"	3/32"	12398



Pneumatic "C" Squeezes

Quiet and easy-to-operate C-type compression riveters are excellent for many assembly operations. The "squeeze" action on these single and tandem cylinder squeezes allows for easy control, great accuracy and uniformity. Swivel air inlet makes riveters easy to maneuver. They use standard 3/16" shank squeeze sets and dimple dies.

Part # 12391



Part # 12394



YOKE SIZE/CYLINDER	FORCE LBS.	WEIGHT	LENGTH	ALUMINUM RIVET CAPACITY	STEEL RIVET CAPACITY	PART#
1 1/2" Single	3,000	5.22 lbs.	10 3/4"	1/8"	3/32"	12391
3" Single	3,000	5.48 lbs.	10 3/4"	1/8"	3/32"	12392
1 1/2" Tandem	6,000	6 lbs.	14 1/2"	3/16"	5/32"	12393
3" Tandem	6,000	6.33 lbs.	14 1/2"	3/16"	5/32"	12394

Stand and foot controls are available for all "A" and "C" pneumatic squeezes. Call for pricing.

All the new pneumatic squeezes come with a one-year warranty.

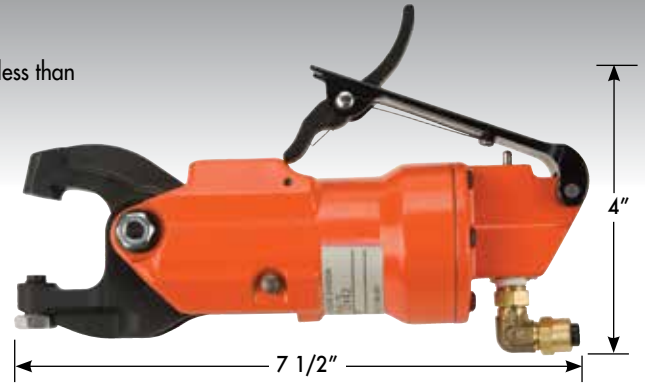
ULTRALITE "A" SQUEEZE

Ultralite "A" Squeeze

This squeeze is the smallest and lightest in the aviation industry. While weighing in at less than half of other standard-sized squeezes, it's still **very powerful!**

- Yoke size/cylinder: 1" single
- Force lbs.: 2,200
- Weight: 2.2 lbs.
- Length: 7 1/2"
- Aluminum rivet capacity: 1/8"
- Steel rivet capacity: 3/32"

Part #12702



PNEUMATIC REPLACEMENT SQUEEZE YOKES

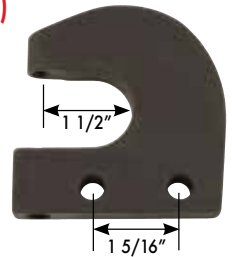
(These pneumatic squeeze yokes do not fit Ultralite squeeze shown above.)

1 1/2" "C" Yoke

Fits most model 214-style pneumatic "C" squeeze bodies. Precision crafted and heat-treated.

- 1 1/2" reach
- 1 1/4" gap

Part #12308

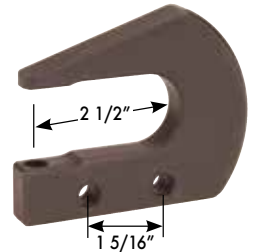


No-Hole Yoke

Fits most model 214-style pneumatic "C" squeeze bodies. This specially designed yoke does not have a hole in the upper nose, which is tapered thinner than on standard yokes so you can get into tight spaces and set the rivet right against the yoke nose.

- 2 1/2" reach
- 1 1/4" gap

Part #12318

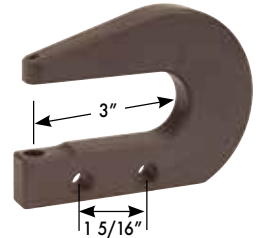


3" "C" Yoke

Fits most model 214-style pneumatic "C" squeeze bodies. Precision crafted and heat-treated.

- 3" reach
- 1 1/4" gap

Part #12309

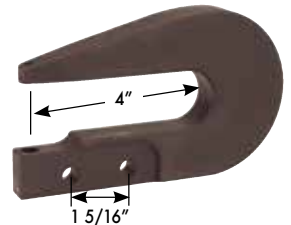


4" "C" Yoke

Fits most model 214-style pneumatic "C" squeeze bodies. Precision crafted and heat-treated.

- 4" reach
- 1 3/8" gap

Part #12306

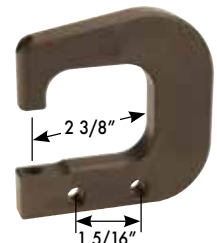


Longeron Yoke

Fits most model 214-style pneumatic "C" squeeze bodies. This yoke is designed to reach over longerons, angles, hinges and other obstructions. Precision crafted and heat-treated with 3/4" extra clearance for greater maneuverability.

- 2 3/8" deep x 2" inside height
- 1 1/4" gap

Part #12307



HAND & BENCH MOUNT SQUEEZES

Universal Economy Hand Squeezes

Used for light- to medium-duty projects, these are high-quality imported hand squeezes for a great price. Features include all-steel construction, adjustable set holder (accepting all sets and dies with 3/16" shank), easy-to-change yokes (just 3 pins), and long handle for greater force and ease of use.

High Quality - Low Price

YOKE	PART #
Handles with 1"	12027
Handles with 2"	12028
Handles with 3"	12029

Get All Three

Includes Part #: 12027,
12028 and 12029

Part #16204



Economy Hand Squeeze SPECIAL

Includes: one handle with
1", 2" & 3" yokes

Part #16203



High Quality - Low Price

REPLACEMENT YOKE	PART #
1"	16200
2"	16201
3"	16202

YARDSTORE

Bench/Pedestal Mount Riveters

Each riveter has tandem cylinders and accepts all sets and dies with a 3/16" (.187") shaft.

Features of all three include:

- Aluminum capacity: 3/16"
- Maximum stroke: 1/2"
- Foot control with guard included
- Made in USA

SIZE (REACH)	GAP	HEIGHT	LENGTH	PART #
4 1/2"	3 1/2"	19"	9 3/4"	12342
10"	3 1/2"	22"	17"	12343
12"	4"	24 1/4"	20 3/4"	12344

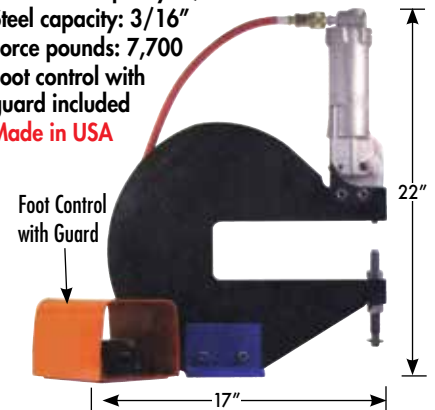


Foot Control with Guard

High Force Bench Mount "C" Squeeze

New Item

- Aluminum capacity: 1/4"
- Steel capacity: 3/16"
- Force pounds: 7,700
- Foot control with guard included
- Made in USA



Part #12435

Complete Bench-Top Riveting & Dimpling Set

Use for hand riveting of skins, assemblies, spars and small parts, or for dimpling holes for flush mount rivets. Or attach a rivet gun for easier work. Bench-top tool lets you perfectly align dimple dies and squeeze sets to each other and to the work surface for superior results. Depth allows you to work larger pieces easily. Made in USA.

FEATURES INCLUDE:

- 22" deep x 4" tall throat
- Heavy wall 1" x 2" steel tube arm
- Bronze 1/2" I.D. guide bushing for shafts
- Heat treated & centerless ground stainless steel driver shafts (2)
 - 1 shaft has a flush end for riveting with rivet gun
 - 1 shaft accepts .187" shanks for dimple dies and sets
- 1 1/2" extension shaft for dies

- Adjustable die holder block
- Rivet tool return spring kit is great for one-handed dimpling of skins and parts

Part #13707



DIMPLE DIES & SETS
SOLD SEPARATELY
(see pg. 43-44)

TEXAS STAINLESS STEEL SQUEEZE KITS



Texas Squeeze Kit – 25-Piece

This 25-piece hand squeeze set comes in a hard plastic, FOD-style carrying case.

KIT INCLUDES:

- Texas hand squeeze with 1 1/2", 2" and 3" yokes
- 3 quick-change yoke pins
- Dimple dies – 3/32", 1/8", 5/32" and 3/16" male and female ends.
- Squeeze sets – 3/32", 1/8", 5/32" and 3/16" AN470 sets.
- Flush sets – 1/8", 3/16", 1/4", 5/16", 3/8", 7/16" and 1/2" thick flush sets.

Part #76201



Texas Squeeze Kit – 24-Piece

This 16-piece hand squeeze set comes in a hard plastic, FOD-style carrying case.

KIT INCLUDES:

- Texas hand squeeze with 1 1/2" and 3" yokes
- 3 quick-change yoke pins
- Dimple dies – 3/32", 1/8", 5/32" and 3/16" male and female ends.
- Squeeze sets – 3/32", 1/8", 5/32" and 3/16" AN470 sets.
- Flush sets – 1/8", 3/16", 1/4", 5/16", 3/8", 7/16" and 1/2" thick flush sets.

Part #76200



New Item

Air Capital Squeeze Kit – 16-Piece

This 16-piece hand squeeze set comes in a hard plastic, FOD-style carrying case.

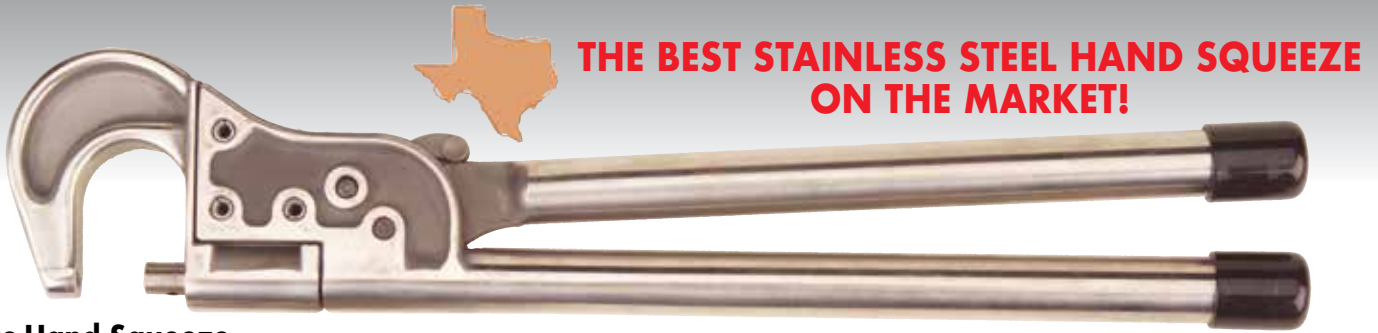
KIT INCLUDES:

- Texas hand squeeze with 1 1/2" and 3" yokes
- 3 quick-change yoke pins
- Squeeze sets – 3/32", 1/8", 5/32" and 3/16" AN470 sets
- Flush sets – 1/8", 3/16", 1/4", 5/16", 3/8", 7/16" and 1/2" thick flush sets.

Part #65005



TEXAS HAND SQUEEZES

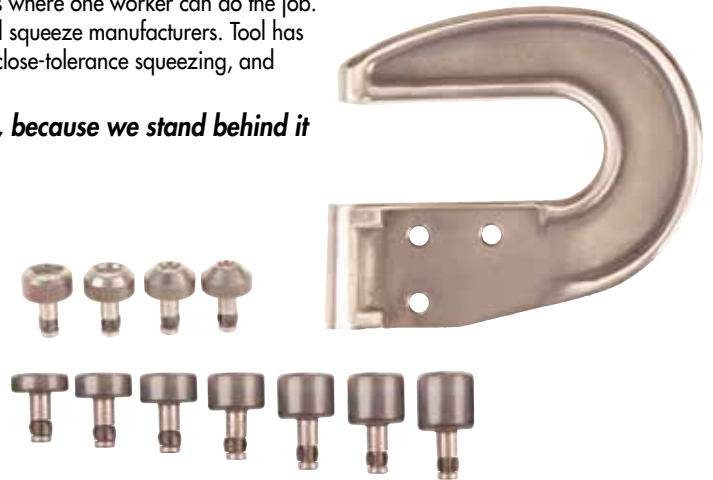


Texas Hand Squeeze

Drop-forged of the best stainless steel, this hand-operated rivet squeeze is a tool with a Texas-size reputation. Designed to install common sizes of aluminum solid rivets on edges and other spots where one worker can do the job. The Texas Squeeze will accept yokes and squeeze sets made by other stainless steel squeeze manufacturers. Tool has long handles that provide plenty of leverage, an easily adjustable ram that allows close-tolerance squeezing, and accepts standard 3/16" shank squeeze sets and dimple dies.

You won't be disappointed with the quality of the Texas Squeeze line, because we stand behind it and give you our guarantee.

ITEM	PART #
Texas Squeezer with 1 1/2" & 3" yoke and 11-piece squeeze set	16306
Texas Squeezer with 1 1/2" & 3" yoke	16305
Texas Squeezer with 1 1/2" yoke	16300
Texas Squeezer with 2" yoke	16311
Texas Squeezer with 3" yoke	16301
Texas Squeezer with 4" yoke	16312
Texas Squeezer with 2 x 2 yoke	16313
Texas Squeezer with no hole yoke	16314

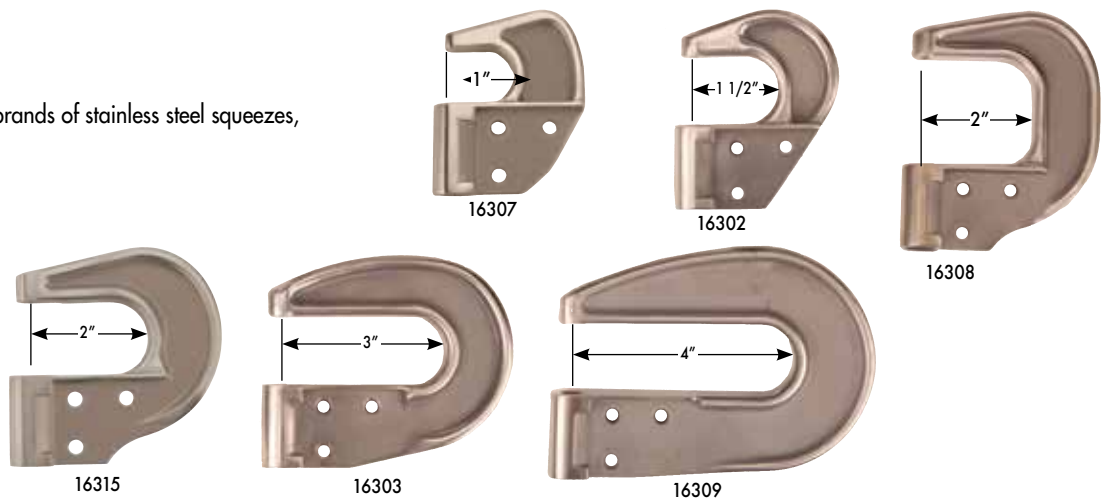


We are a Texas Hand Squeeze master distributor.

Hand Squeeze Yokes

These yokes work with most major brands of stainless steel squeezes, including Texas and Tatco.

ITEM	PART #
1" No Hole	16307
1 1/2" Reach	16302
2" Reach	16315
2" x 2" Reach	16308
3" Reach	16303
4" Reach	16309



3-Piece Set Quick Change Yoke Pins (Stainless steel)

Specially designed for use with our economy hand squeezes, Texas, Tatco and other stainless steel squeezes. These 1/4" yoke pins with pull rings allow you to swap yokes quickly and easily when you need a different reach.

LENGTH	FOR USE WITH	PART #
5/8"	Economy Hand Squeezes	16206
3/4"	Texas or Tatco Hand Squeezes	16310



SQUEEZE SETS

With the multitude of sizes and faces we have available, you'll have the right tool on hand to set rivets. All of our squeeze sets are made of high-alloy steel and heat-treated for long life. Faces are polished to a high luster for smooth, precise riveting. All shanks are precision ground to 3/16" diameter to fit most hand and pneumatic squeezes. Cupped (button head) squeeze sets are for **AN470** rivets. Flush sets are 3/8" or 1/2" diameter and available in different thicknesses.

Individual Button Head Squeeze Sets

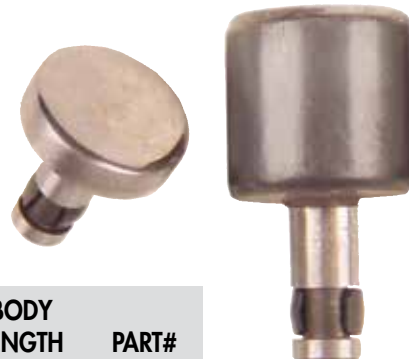
- All sets have 3/16" shaft
- For **AN470** rivets



STYLE	SIZE	BODY DIAMETER	BODY LENGTH	PART#
Button Head	3/32"	1/2"	1/4"	10111
Button Head	3/32"	3/8"	1/8"	83300
Button Head	3/32"	3/8"	1/4"	83302
Button Head	3/32"	3/8"	3/8"	83304
Button Head	3/32"	3/8"	1/2"	83309
Button Head	3/32"	3/8"	5/8"	83314
Button Head	1/8"	1/2"	1/4"	10112
Button Head	1/8"	3/8"	1/8"	83301
Button Head	1/8"	3/8"	1/4"	83303
Button Head	1/8"	3/8"	3/8"	83305
Button Head	1/8"	3/8"	1/2"	83310
Button Head	1/8"	3/8"	5/8"	83315
Button Head	5/32"	1/2"	1/4"	10113
Button Head	5/32"	1/2"	3/8"	83306
Button Head	5/32"	1/2"	1/2"	83311
Button Head	5/32"	1/2"	5/8"	83316
Button Head	3/16"	1/2"	1/4"	10114
Button Head	3/16"	1/2"	3/8"	83307
Button Head	3/16"	1/2"	1/2"	83312
Button Head	3/16"	1/2"	5/8"	83317
Button Head	1/4"	1/2"	1/4"	10115
Button Head	1/4"	5/8"	3/8"	83308
Button Head	1/4"	5/8"	1/2"	83313

Individual Flush Head Squeeze Sets

- All sets have 3/16" shaft



STYLE	BODY DIAMETER	BODY LENGTH	PART#
Flush Head	3/8"	1/8"	83318
Flush Head	3/8"	1/4"	83319
Flush Head	3/8"	3/8"	83320
Flush Head	3/8"	1/2"	83321
Flush Head	3/8"	5/8"	83322
Flush Head	1/2"	1/8"	10117
Flush Head	1/2"	3/16"	11200
Flush Head	1/2"	1/4"	11201
Flush Head	1/2"	5/16"	11202
Flush Head	1/2"	3/8"	10116
Flush Head	1/2"	7/16"	11203
Flush Head	1/2"	1/2"	11204
Flush Head	1/2"	5/8"	83323



(See page 44 for squeeze kits)

SQUEEZE SETS

With the multitude of sizes and faces we have available, you'll have the right tool on hand to dimple holes or set rivets. All of our squeeze sets are made of high-alloy steel and heat-treated for long life. Faces are polished to a high luster for smooth, precise riveting. All shanks are precision ground to 3/16" diameter to fit most hand and pneumatic squeezes. Cupped (button head) squeeze sets are for **AN470** rivets. All flush sets are 1/2" diameter and available in different thicknesses.



5-Piece Low Profile Squeeze Set

This 5-piece squeeze set is built to the same exacting standards as our other squeeze sets. Because each is just 1/8" high, you can use longer rivets and get into tighter or troublesome areas. Sets are also sold individually.

- Set includes: 3/32", 1/8", 5/32", 3/16" button head squeezes and 1/8" flush
- 1/8" high
- All sets have 3/16" shaft
- For **AN470** rivets

SIZE PART #

3/32" 11220

1/8" 11221

5/32" 11222

3/16" 11223

1/8" flush 10117

Part #10110



7-Piece Complete Flush Squeeze Set

- All sets have 3/16" shaft
- Set includes: 1/8", 3/16", 1/4", 5/16", 3/8", 7/16" and 1/2" flush

Part #11210



11-Piece Complete Squeeze Set

- All sets have 3/16" shaft
- Set includes: 3/32", 1/8", 5/32" and 3/16" button head sets; 1/8", 3/16", 1/4", 5/16", 3/8", 7/16" and 1/2" thick flush sets.

Part #11211



Squeeze Set Adapter

Allows use of squeeze sets and dimple die sets with your rivet gun.

- Uses standard 3/16" shank squeeze sets and dimple dies.
- Overall length: 5"

Part #10143



Dimple Die Sets

These "spring back" dies are the best-designed dimple dies on the market today. And our price includes both male and female pieces. The 100°, AN426 dies, built of stainless steel for years of service, are designed to greatly reduce deflection of the sheet metal while preparing holes for flush rivets. With 3/16" shafts, they can be used in most pneumatic and hand squeezes. The kit contains four sizes: 3/32", 1/8", 5/32" and 3/16" male and female ends.

SIZE PART #

3/32" 10131

1/8" 10132

5/32" 10133

3/16" 10134

Above 4 sizes as a kit 10135

1/4" 10138

#6 screw (0.13") 10136

#8 screw (0.16") 10137

Semi-Tubular Squeeze Sets

Use these sets in hand or pneumatic rivet squeezers to squeeze **AN450** style semi-tubular rivets. The flaring sets flare the hollow end of the rivet while the cupped sets (anvil set) properly set the oval cupped head of the rivet. You will need to purchase a flaring side and matching anvil side in order to squeeze the rivet properly. All sets have a 3/16" industry standard shank. **Made in USA.**

Flaring Sets



SIZE PART #

3/32" 26203

1/8" 26204

5/32" 26205

3/16" 26206

Anvil Sets



SIZE PART #

3/32" 26213

1/8" 26214

5/32" 26215

3/16" 26216



BACR15FT Squeeze Sets

Use to install **BACR15FT** style rivets (also known as Boeing rivets).

- Shank: 3/16"

SIZE PART #

5/32" 10932

3/16" 10933

7/32" 10934

1/4" 10935

FOD STYLE KITS

Save money by buying dimple die and squeeze set kits, and keep your tools secure and free from damage in our FOD-style carrying cases.

Squeeze Set Kit – 33-Piece Set

Our 33-piece cupped and flush squeeze sets all in one convenient, sturdy FOD-style case.

KIT INCLUDES:

- 23 universal cupped, rivet sizes – 3/32", 1/8", 5/32", 3/16" and 1/4"
- Available body lengths – 1/8", 1/4", 3/8", 1/2" and 5/8"
- 10 flush sets – 1/2" and 3/8" diameter, body lengths – 1/8", 1/4", 3/8", 1/2" and 5/8"
- All sets have a 3/16" industry standard shank
- For installing AN470 and AN426 rivets

Part #10833

(Sample illustrations of cupped squeezes and flush squeezes included in kit)



Dimple Die/Squeeze Set Kit

Contains 4-piece dimple die sets and 11-piece squeeze sets all in one sturdy plastic carrying case.

KIT INCLUDES:

- Dimple dies – 3/32", 1/8", 5/32" and 3/16" male and female ends
- Button head squeeze sets – 3/32", 1/8", 5/32" and 3/16"
- Flush sets – 1/8", 3/16", 1/4", 5/16", 3/8", 7/16" and 1/2"

Part #76100

(Sample illustrations of dimple die sets, cupped squeezes and flush squeezes included in kit)



Squeeze Set Kit – 11-Piece Set

Our 11-piece cupped and flush squeeze sets all in one convenient, sturdy FOD-style case.

KIT INCLUDES:

- Button head squeeze sets – 3/32", 1/8", 5/32" and 3/16"
- Flush sets – 1/8", 3/16", 1/4", 5/16", 3/8", 7/16" and 1/2"

Part #76101

(Sample illustrations of cupped squeezes and flush squeezes included in kit)



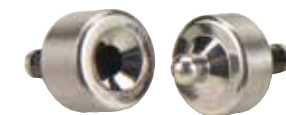
Dimple Die Kit – 4-Piece Set

Our 4-piece dimple die sets all in a sturdy FOD-style case.

KIT INCLUDES:

- Dimple dies 3/32", 1/8", 5/32" and 3/16" male and female ends.

Part #76102



(Sample illustrations of cupped dimple die sets included in kit)



NEW RIVET SETS

All of our rivet sets are high-alloy steel and heat-treated to eliminate breakage and provide for a structurally sound driven rivet. The precision-made cups are highly polished, and each shank is precision-ground to a .401 shank. All rivet sets are for **AN470** rivets unless otherwise noted.

Buy sets individually or take advantage of the kit prices we offer on this page and the next two pages, and save up to 9%.



2 1/2" Length

• For AN470 rivets

SIZE	STRAIGHT PART #
3/32"	10021
1/8"	10022
5/32"	10023
3/16"	10024
4-Piece Set	10027
1/4"	10025



3 1/2" Length

• For AN470 rivets

10° Offset

See our Air Capital Red Box Kits – rivet gun, flush sets and other accessories all in one package – on page 8.

SIZE	STRAIGHT PART #	10° OFFSET PART #
3/32"	10001	10007
1/8"	10002	10008
5/32"	10003	10009
3/16"	10004	10010
1/4"	10005	10011

3 1/2" Rivet Set Kits



4-Piece Straight Kit

Includes: 3/32", 1/8", 5/32" and 3/16"

• For AN470 rivets

Part #10012



4-Piece 10° Offset Kit

Includes: 3/32", 1/8", 5/32" and 3/16"

• For AN470 rivets

Part #10013



8-Piece Straight & 10° Offset Kit

Includes one each of each type:

3/32", 1/8", 5/32" and 3/16"

• For AN470 rivets

Part #10014



10° Offset

Short Shank Rivet Sets

These straight and offset sets are specifically designed to use with a compact or corner rivet gun. All sets have a .401 shank with a shank length of 1/2". A flush set is available also.

• For AN470 rivets

SIZE	STRAIGHT PART #	10° OFFSET PART #
3/32"	10301	10310
1/8"	10302	10311
5/32"	10303	10312
3/16"	10304	10313
FLUSH	10306	—

5-Piece SPECIAL

Straight Short Shank Rivet Set

Includes: 3/32", 1/8", 5/32", 3/16", Flush

• For AN470 rivets

Part #10079



4-Piece SPECIAL

10° Offset Short Shank Rivet Set

Includes: 3/32", 1/8", 5/32", 3/16"

• For AN470 rivets

Part #10320

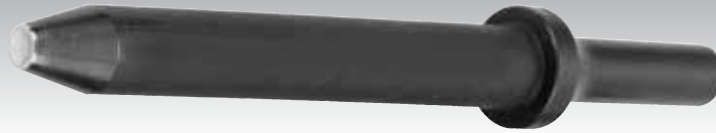


NEW RIVET SETS

5 1/2" Length

• For AN470 rivets

SIZE	STRAIGHT PART #	10° OFFSET PART #
3/32"	10041	10046
1/8"	10042	10047
5/32"	10043	10048
3/16"	10044	10049
1/4"	10045	—



10° Offset

5 1/2" RIVET SET SPECIAL

8-Piece 5 1/2" Rivet Set Straight & 10° Offset

Includes one each of each type:
3/32", 1/8", 5/32", and 3/16"

• For AN470 rivets

Part #10053



7 1/2" Length

• For AN470 rivets

SIZE	STRAIGHT PART #	10° OFFSET PART #
3/32"	10061	10066
1/8"	10062	10067
5/32"	10063	10068
3/16"	10064	10069
1/4"	10065	10070



10° Offset

7 1/2" RIVET SET SPECIAL

8-Piece 7 1/2" Rivet Set Straight & 10° Offset

Includes one each of each type:
3/32", 1/8", 5/32", and 3/16"

• For AN470 rivets

Part #10073



10 1/2" Rivet Set

When you need that extra length to get into those hard-to-reach areas, these 10 1/2" rivet sets are what you need.
All sets have a .401 shank.

• For AN470 rivets

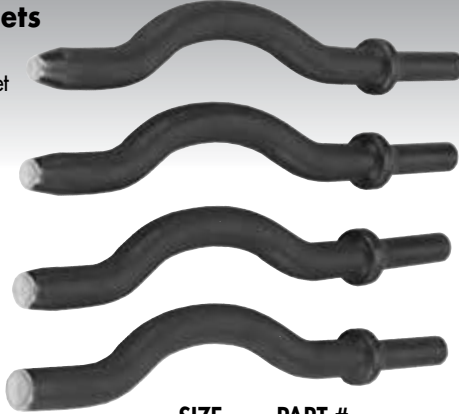
SIZE	STRAIGHT PART #
3/32"	10401
1/8"	10402
5/32"	10403
3/16"	10404
4-Piece set	10406

NEW RIVET SETS

Gooseneck Rivet Sets

Great for getting around obstacles, our gooseneck rivet sets are high-alloy steel and heat-treated to eliminate breakage and deliver a soundly driven rivet. Cups are highly polished and all sets have a .401 shank.

- Overall length: 7 1/4"
- For AN470 rivets



SIZE	PART #
3/32"	10054
1/8"	10055
5/32"	10056
3/16"	10057
4 pc. set	10058

Double Offset Rivet Sets

Reach around obstacles while riveting with these double-offset sets.

- .401 shank
- Overall length: 5 1/2"
- For AN470 rivets



SIZE	PART #
3/32"	10280
1/8"	10281
5/32"	10282
3/16"	10283
4-Piece set	10285



8" Rivet Set Extension

This tool extends any .401 shank rivet set another 8" into those hard-to-reach places. Extension has a .401 shank.

Part #10121

No-Mar Back Shooter

Put this tool in your rivet gun, place the nylon guard tip over the shop end of a flush rivet and then soundly rivet accessible pieces of work. The spring-loaded mechanism and its nylon guard tip will hold sheets firmly in down position. Has a .401 shank.

- Overall length: 5 3/4"
- 3/8" face
- Made in USA

Part #14140



Tubular Straight Rivet Sets

- All sets have a .401 shank
- Overall length: 3 1/2"
- For AN450 rivets

SIZE	PART #
3/32"	10360
1/8"	10361
5/32"	10362
3/16"	10363
1/4"	10364

Rivet Set Caps*

Insert these caps onto the ends of your rivet sets to provide a protective zone between the rivet set and the rivet. Color coded by size, they help prevent damage to rivets or adjoining aircraft skins. Each cap will last for approximately 100 rivets.

Sold in packs of 10.

***NOTE:** Rivet set caps are designed for rivet sets with a straight nose of approximately 1/2" diameter. They are not particularly designed for tapered nose rivet sets.



Rivet sets pictured are not included.

Sold in packs of 10.

COLOR	SIZE	PART #
White	3/32"	10330
Orange	1/8"	10331
Green	5/32"	10332
Yellow	3/16"	10333
Blue	1/4"	10334

FLUSH RIVET SETS

All of our flush rivet sets have precision-ground shanks to .401 diameter unless otherwise noted. Each flush set is made of high-alloy steel that's heat-treated for long life. Their polished faces deliver smooth installation of flush-mount rivets.

3/4" Flush Set

Small-faced flush squeezes into tight areas.

- .401 shank
- Overall length: 2"
- 3/4" diameter face

Part #10130



1" Standard Flush Set

Experienced riveters prefer this flush set.

- .401 shank
- 1" diameter face
- Overall length: 2 1/2"

Part #10170



1 1/4" Flush Rivet Set

Excellent for reaching into areas where you need just a bit more length than a standard-length flush provides.

- .401 shank
- 1 1/4" diameter face
- Overall length: 3 1/2"

Part #10249



2" Flush Rivet Set

Use to install flush rivets.

- .401 shank
- Overall length: 3"
- 2" diameter face

Part #10177



3/4" Swivel Flush Set

With this set's swivel action, your rivet gun won't have to be in perfect alignment with the work surface to install rivets. Great for spots where you must rivet at an angle.

- .401 shank
- Overall length: 3"
- 3/4" diameter face

Part #18180



1 1/4" Swivel Flush Set

With this set's swivel action, your rivet gun won't have to be in perfect alignment with the work surface to install rivets. Great for spots where you must rivet at an angle.

- .401 shank
- 1 1/4" diameter face
- Overall length: 3"

Part #10175



1 1/8" Swivel Flush Set

Great for spots where you must rivet at an angle.

- .401 shank
- 1 1/8" diameter face
- Overall length: 3 3/4"

Part #10100



3/4" Flush Set with Rubber Ring

Use this flush to get into those small, tight areas.

- .401 shank
- 3/4" diameter face
- Overall diameter (with ring): 1 3/16"
- Overall length: 2 3/8"

Part #10084



Replacement Rubber Ring

Part #10395

1 1/4" Flush Set with Rubber Ring

This set features a rubber ring around the face to reduce slippage and prevent damage to aircraft sheet metal.

- .401 shank
- 1 1/4" diameter face
- Overall diameter (with ring): 1 5/8"
- Overall length: 2 1/4"

Part #10082



Replacement Rubber Ring

Part #10397

1" Flush Set with Polyurethane Ring

This set features a polyurethane ring around the face to reduce slippage and prevent damage to aircraft sheet metal.

- .401 shank
- Overall diameter (with ring): 1 5/16"
- 1" diameter face
- Overall length: 2 1/4"

Part #18185

Replacement Polyurethane Ring

Part #10399



FLUSH RIVET SETS

All of our flush rivet sets have precision-ground shanks to .401 diameter unless otherwise noted. Each flush set is made of high-alloy steel that's heat-treated for long life. Their polished faces deliver smooth installation of flush-mount rivets.



1" Flush Rivet Set

Excellent for reaching into areas where you need just a bit more length than a standard-length flush provides.

- .401 shank
- 1" diameter face
- Overall length: 5 1/2"

Part #10090



1" Flush Rivet Set

Excellent for reaching into areas where you need just a bit more length than a standard-length flush provides.

- .401 shank
- 1" diameter face
- Overall length: 7 1/2"

Part #10270



3/4" Offset Flush Set

Designed to reach those areas where you must rivet at an angle.

- .401 shank
- 3/4" diameter face
- Overall length: 3"

Part #10700



1" Offset Flush Set

Excellent for riveting in spots where you don't have perfect alignment.

- .401 shank
- 1" diameter face
- Overall length: 3 1/2"

Part #10701



1" Offset Flush Set

A great tool for reaching into areas where you need that extra length and need to go at an angle.

- .401 shank
- 1" diameter face
- Overall length: 5 1/2"

Part #10702



1" Offset Flush Set

This flush is excellent for reaching into those hard-to-reach areas because of its extra length.

Makes it easier to rivet when you don't have a straight on shot.

- .401 shank
- 1" diameter face
- Overall length: 7 1/2"

Part #10703

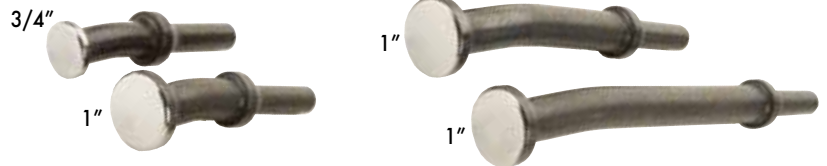
4-piece Set

Offset Flush Sets

This set includes one of each of the above offset flush sets (P.N.'s 10700, 10701, 10702 and 10703).

- .401 shank

Part #10720



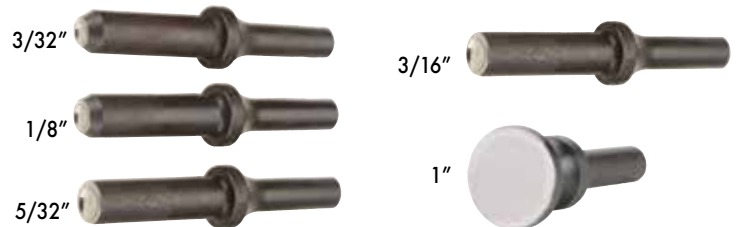
5-piece Set

3 1/2" Straight & Flush Rivet Sets

Kit includes: 3/32", 1/8", 5/32" and 3/16" straight sets and 1" face diameter flush set.

- .401 shank
- For AN470 rivets

Part #10018



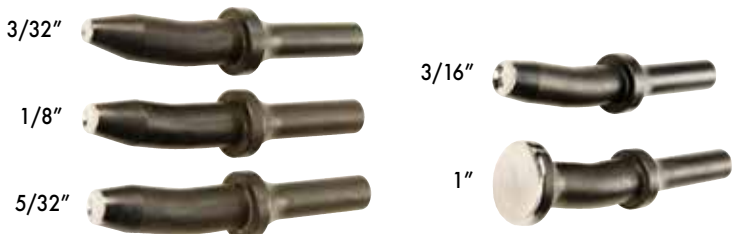
5-piece Set

3 1/2" Offset & Flush Rivet Sets

Kit includes: 3/32", 1/8", 5/32" and 3/16" offset sets and 1" face diameter offset flush set.

- .401 shank
- For AN470 rivets

Part #10019



SPECIALTY FLUSH RIVET KIT & SETS

All of our flush rivet sets have precision-ground shanks to .401 diameter unless otherwise noted. Each flush set is made of high-alloy steel that's heat-treated for long life.

Air Capital Soft Rivet Set Kit

This kit contains one each of the following soft rivet sets: Nylon Flush (Part # 10146), Aluminum Flush (Part # 10145) and Brass Flush (Part # 10078) pictured below.

- .401 shank
- 1" diameter face
- Overall length: 3 1/8"

Part #65004

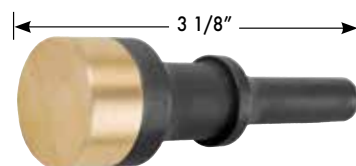


Brass Flush Set

This rivet set has a soft face to prevent damage to fasteners when inserted or removed.

- .401 shank
- 1" diameter face
- Overall length: 3 1/8"

Part #10078

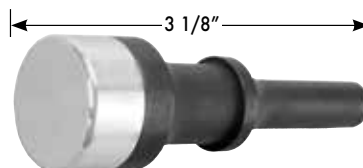


Aluminum Flush Set

This aluminum set's soft face helps eliminate damage when riveting.

- .401 shank
- 1" diameter face
- Overall length: 3 1/8"

Part #10145



Nylon Flush Set

This nylon rivet set is designed to reduce potential damage while riveting.

- .401 shank
- 1" diameter face
- Overall length: 3 1/8"

Part #10146



1/2" Straight Flush Rivet Set

Use this flush set to get into those hard-to-reach areas.

- .401 shank
- 1/2" diameter face
- Overall length: 3 1/2"

Part #50192



1/2" Straight Flush Rivet Set

Use this flush set to get into those hard-to-reach areas.

- .401 shank
- 1/2" diameter face
- Overall length: 7 1/2"

Part #10709



1/2" Straight Flush Rivet Set

Use this flush set to get into those hard-to-reach areas.

- .401 shank
- 1/2" diameter face
- Overall length: 5 1/2"

Part #50197



CHISEL & SPECIALTY RIVET SETS

Flat Rivet Gun Chisel

- .401 shank
- Overall length: 4 7/8"
- Chisel end width: 3/4"

Part #50193

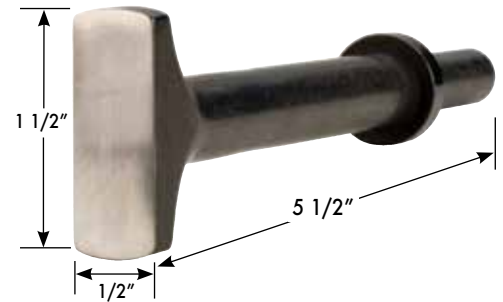


Flush "T" Set

This "T" set is perfect for reaching into those tight, awkward areas.

- .401 shank
- Face surface: 1/2" x 1 1/2"
- Overall length: 5 1/2"
- Weight: 0.50 lb

Part #10710

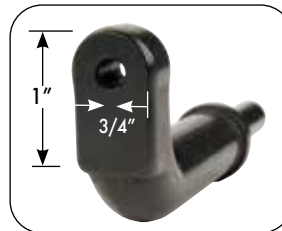


Elephant Leg Rivet Set .187

This tool allows you to install a variety of rivets and fasteners in hard-to-reach areas. Uses standard 3/16" shank squeeze sets and dimple dies.

- .401 shank
- 4 1/2" overall length
- 1" "foot" length

Part #10766

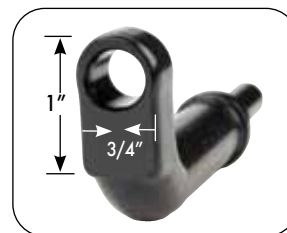


Elephant Leg Rivet Set .401

This tool allows you to install a variety of rivets and fasteners in hard-to-reach areas. Accepts any tool with a standard .401 shank such as rivet sets, flush sets, scrapers, extensions, back shooters, adapters and more.

- .401 shank
- 4 1/2" overall length
- 1" "foot" length

Part #10767



YARDSTORE

• AIRCRAFT SHEET METAL TOOLS •

SPECIALTY RIVET SETS

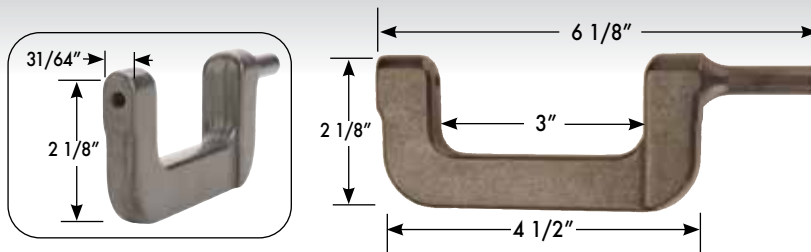
All of our flush rivet sets have precision-ground shanks to .401 diameter unless otherwise noted. Each flush set is made of high-alloy steel that's heat-treated for long life.

Rivet "C" Set with 3/16" Hole

Use this 90° "C" rivet set to wind your way into hard-to-reach areas. Set features a 3/16" diameter hole on top in order to use dimple dies or squeeze sets with 3/16" shafts.

- .401 shank

Part #10198

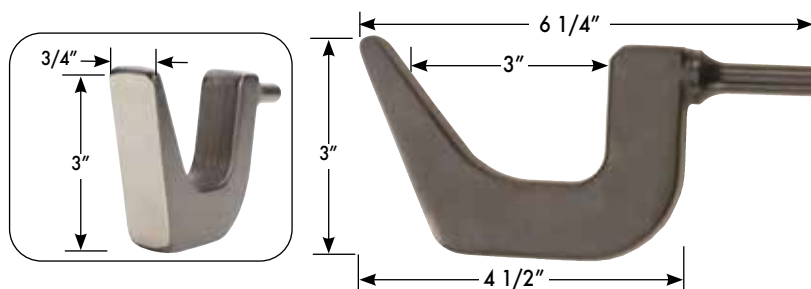


Flush "C" Set

When the angles are against you, this 60° angle "C" set can get into limited-access spots.

- .401 shank

Part #10076

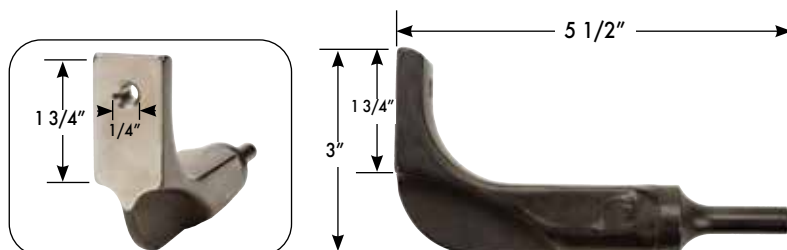


Flush "J" Set with 1/4" Hole

The "J" set is for reaching into those hard-to-reach areas. Set features a 1/4" diameter hole on top in order to use dimple dies or squeeze sets with 1/4" shafts.

- .401 shank

Part #10169

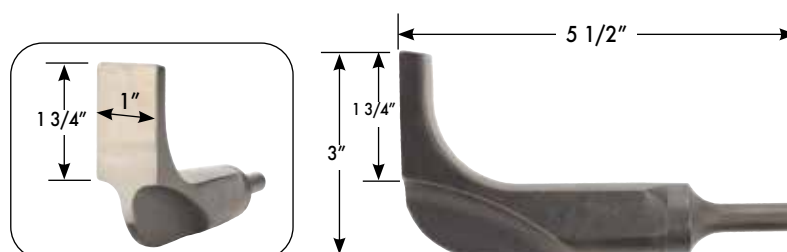


Flush "J" Set

The "J" set is great for reaching around obstacles into limited-access areas.

- .401 shank

Part #10172



Rivet Gun Shaft Reducer

When you have .401 shank rivet sets but a rivet gun that only accepts .498 shank sets, this reducer is the tool you need. Made of hardened steel and open at both ends to allow maximum riveting power, it increases the versatility of a .498 bore rivet gun.

Part #50102



TUNGSTEN BUCKING BARS

TRY ONE OF OUR "REDUCED VIBRATION" TUNGSTEN BUCKING BARS!!

Bucking bars made with tungsten are safer to use because they vibrate much less, lowering the risk of injury, according to a recent university study. Many sizes and shapes are available – anything you need to set solid aluminum rivets. The bucking bar of the future is made of tungsten, and they're available today at The Yard Store!

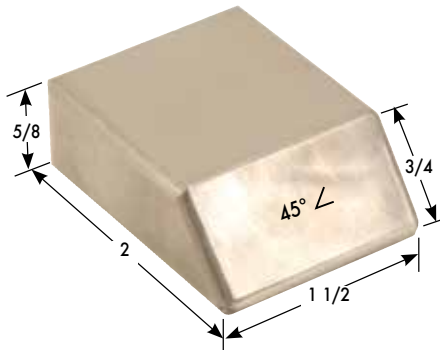
At The Yard Store, all of our Tungsten Bucking Bars are made of 90+% tungsten. All edges are deburred and working surfaces are polished for trouble-free use. **YOUR HANDS WILL THANK YOU.**

*Dimensions and weights of Tungsten Bucking Bars are approximate and may vary slightly.

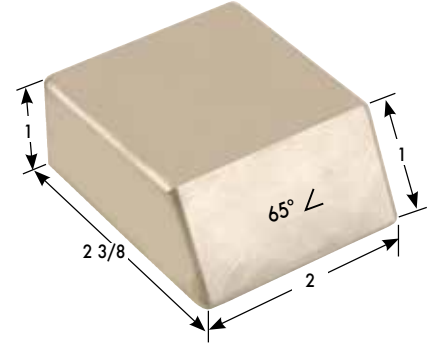
**Tungsten bucking bars have a manufacturer's warranty of 6 months.



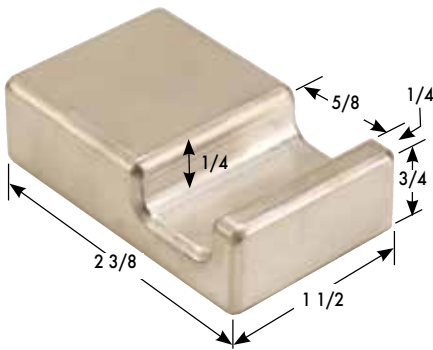
1.16 lbs.
Part #74100



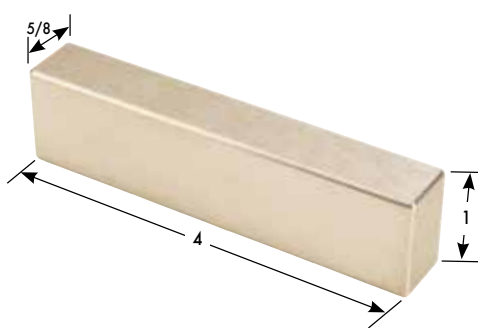
1.07 lbs.
Part #74101



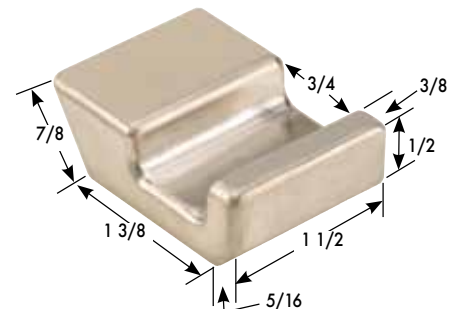
2.87 lbs.
Part #74102



1.31 lbs.
Part #74103



1.66 lbs.
Part #74210



1.2 lbs.
Part #74104

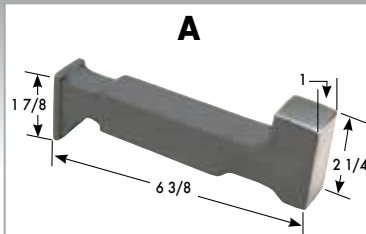


2.1 lbs.
Part #74205

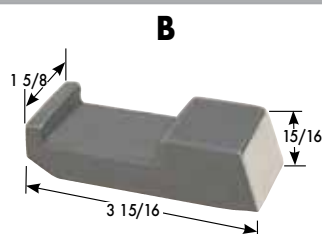


4.73 lbs.
Part #74215

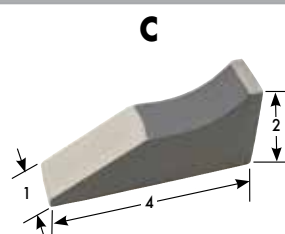
BUCKING BARS



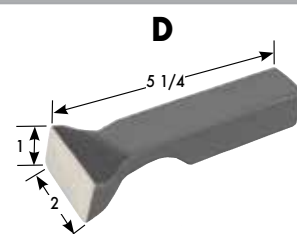
2 lbs.
Part #15000 (670)



1.25 lbs.
Part #15001 (638)



1.25 lbs.
Part #15012 (647)

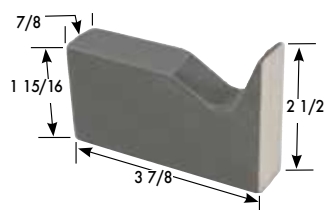


1.5 lbs.
Part #15058 (681)

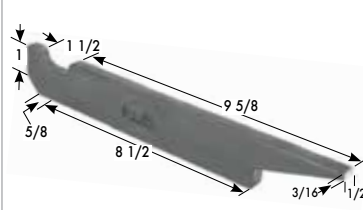
4-piece Bucking Bar Set

Set includes: Part #15000, 15001, 15012 and 15058 shown above.

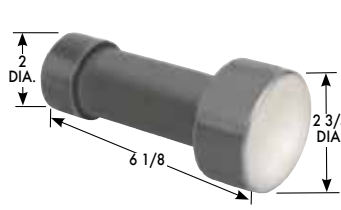
4-PIECE SET
Part #15086



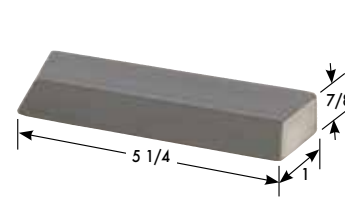
1.7 lbs.
Part #15002 (750U-1)



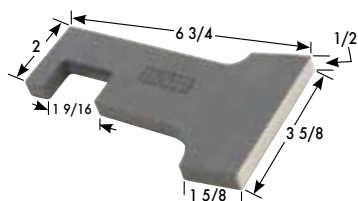
2 lbs.
Part #15004 (649)



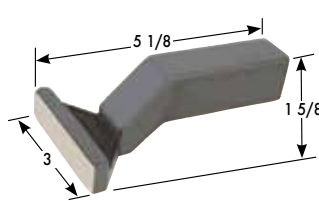
5.35 lbs.
Part #15008 (601)



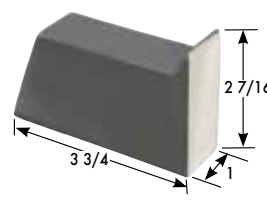
1 lb.
Part #15009



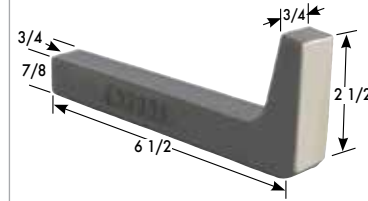
2 lbs.
Part #15013 (671)



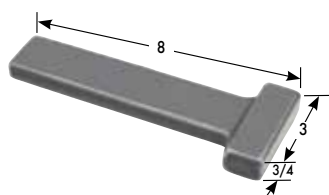
1.5 lbs.
Part #15015 (669)



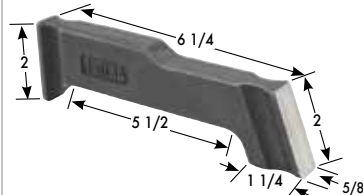
1.76 lbs.
Part #15018 (721)



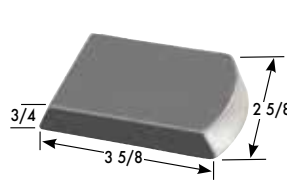
1.3 lbs.
Part #15024 (612)



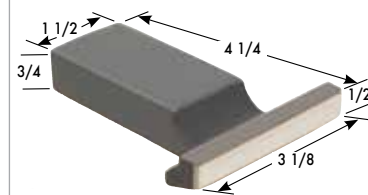
1.82 lbs.
Part #15031 (678)



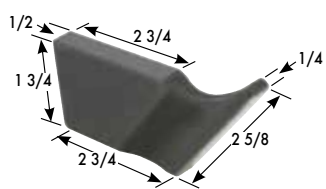
1.6 lbs.
Part #15034



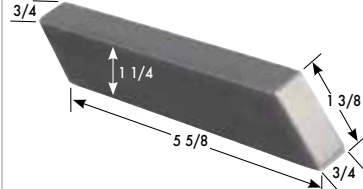
1.6 lbs.
Part #15038 (724)



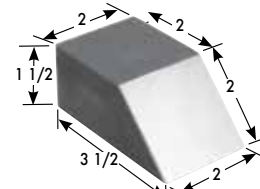
1.2 lbs.
Part #15039 (633)



.83 lb.
Part #15040 (676)



1.4 lbs.
Part #15041



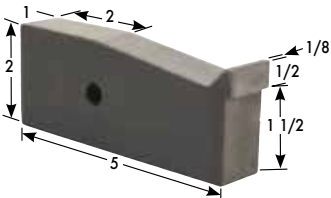
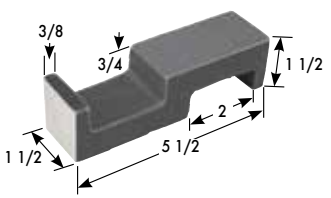
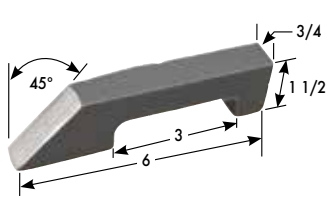
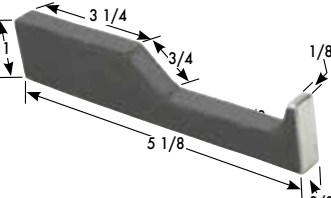
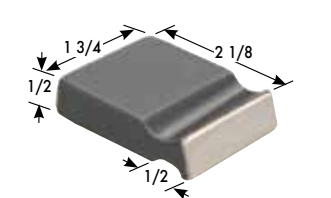
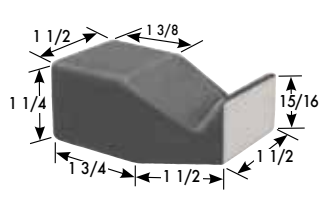
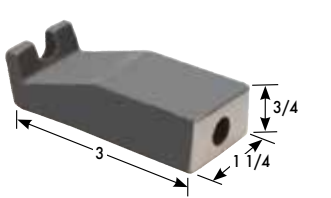
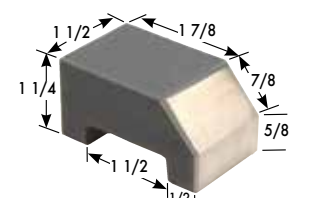
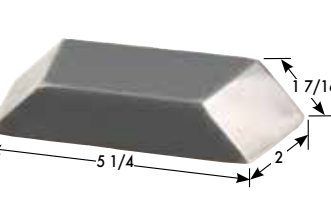
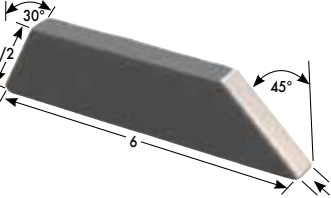
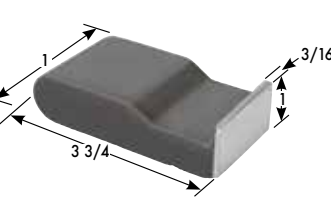
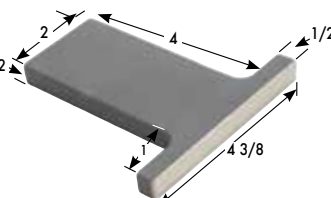
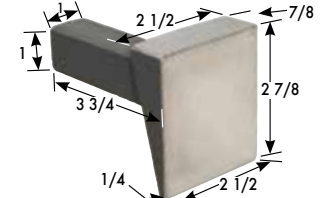
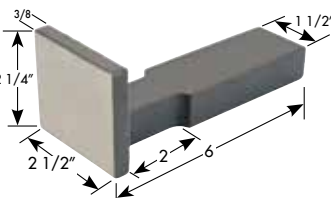
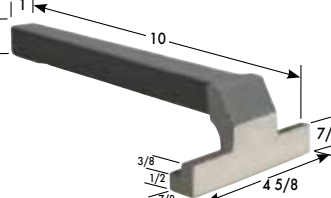

2.3 lbs.
Part #15047



.70 lb.
Part #15049 (610)

BUCKING BARS

All of our bucking bars are precision cast-steel and heat-treated to exact specifications. All sharp edges are deburred and working surfaces are polished for trouble-free use. The working surfaces can be repolished without changing the hardness.

 <p>2.44 lbs. Part #15053</p>	 <p>2.15 lbs. Part #15089 (736)</p>	 <p>3.15 lbs. Part #15090 (750S-1)</p>	 <p>1.12 lbs. Part #15091 (760B-2)</p>
 <p>.41 lb. Part #71001</p>	 <p>.5 lb. Part #71025 (43)</p>	 <p>1.32 lbs. Part #71032</p>	 <p>3.5 lbs. Part #71036 (760B-8)</p>
 <p>.62 lb. Part #71037 (728)</p>	 <p>.9 lb. Part #71038 (634)</p>	 <p>2.7 lbs. Part #71039 (692)</p>	 <p>2.86 lbs. Part #71055 (701)</p>
 <p>1.03 lbs. Part #71074 (737)</p>	 <p>1.8 lbs. Part #71083</p>	 <p>1.4 lbs. Part #71086</p>	 <p>.63 lb. Part #71520 (606)</p>
 <p>2.36 lbs. Part #71523</p>	 <p>2.05 lbs. Part #71524</p>	 <p>3.7 lbs. Part #71525</p>	

CLECO INSTALLATION TOOLS



Aero-Fast Cylindrical Cleco Runner w/Guide Bushing (powered by Ingersoll-Rand)

For installation and removal of cylindrical clecos (see pages 64-65). Features a lockable reverse button, a variable speed trigger and a vinyl cap on the end of the tool to help prevent marring of the aircraft skin. The guide bushing helps to align the cleco to the tool with ease.

- Model AF-5100
- 2,800 RPM
- Length: 8"
- Weight: 1.92 lbs.

Part #12265



AirFORCE
PNEUMATIC TOOLS

Cylindrical Cleco Runner w/Guide Bushing

This tool is used to install and remove cylindrical clecos (see pages 64-65) quickly and effortlessly. Features a lockable reverse button on the top of the tool, variable speed trigger and a comfortable rubber grip handle for less operator fatigue. The guide bushing helps to align the cleco to the tool with ease.

- 2,000 RPM
- Length: 10"
- Weight: 2.5 lbs.

Part #12257



Ingersoll-Rand Cylindrical Cleco Runner w/Guide Bushing

Use this tool for installation of cylindrical clecos (see pages 64-65). Its patented roller-bearing drive system permits faster installation and removal of cylindrical draw clecos. The guide bushing helps to align the cleco to the tool with ease.

- Model W500-30-931-GB
- Length: 8 1/2"
- 3,000 RPM
- Weight: 2.17 lbs.
- 18 in. lbs. of torque

Part #12254



YARDSTORE

• AIRCRAFT SHEET METAL TOOLS •



Texas Hex Nut Cleco Runner w/Grip

This tool is used to install and remove hex nut clecos (see pages 60-61) quickly and effortlessly. Features a lockable reverse button on the top of the tool, variable speed trigger and a comfortable rubber grip for less operator fatigue.

- 2,000 RPM
- Length: 10"
- Weight: 2.07 lbs.

Part #12680



Sioux® Hex Nut Cleco Runner

The Sioux® hex-nut runner is designed to quickly and easily install and remove hex-nut style clecos (see pages 60-61). Designed for years of service, this well-balanced tool is comfortable to use and reduces operator fatigue. Tool reverses with the click of a button.

- Model SSR6P25
- Length: 10 1/2"
- 2,500 RPM
- Weight: 2.7 lbs.

Part #12224

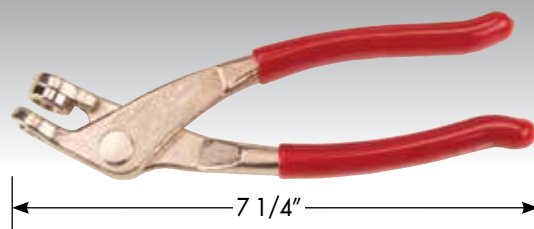
CLECO INSTALLATION TOOLS & CLAMPS

Cleco Pliers

Used to install and remove spring cleco fasteners or clamps. Just slide fastener into the pliers and squeeze the handle to set the cleco in a hole or a clamp onto metal. Made of quality forged steel with a nickel-plated finish.

- Cushion plastic grip

Part #11094



Pistol Grip Spring Cleco Installation Tool

This pistol grip tool quickly and easily installs and removes spring clecos. Saves your hands from damaging and repetitive stress. Works on all types of spring clecos.

- Model: MP-309
- Length: 5 1/2"
- Weight: 1.25 lbs.

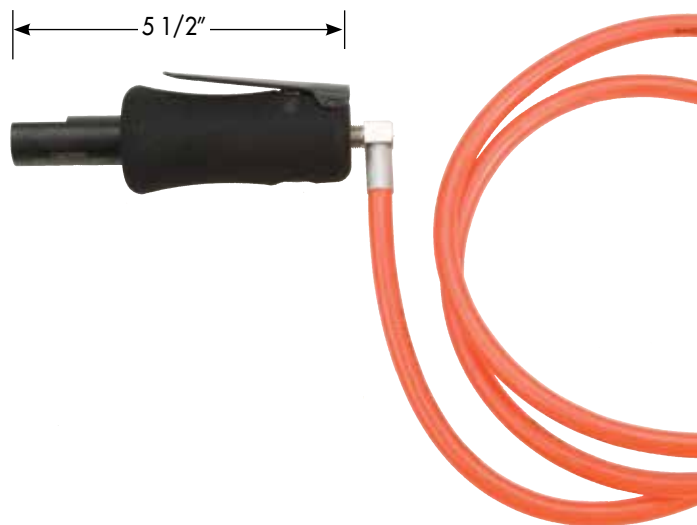
Part #13752



Pneumatic Spring Cleco Installation & Removal Tool

An inline grip tool that quickly and easily installs or removes spring clecos. Nose of tool rotates so the lever will never get in the way. Saves your hands from damaging repetitive stress. Works on all types of spring clecos. Features a 69" polyurethane braided hose.

Part #13750



Tension Clamp

Operated with cleco pliers, tension clamps attach faster and easier than regular C-clamps. Because they're spring-operated, they apply uniform pressure, something difficult with hand-tightened screw clamps.

- Gap: 0" to 1/2"
- Reach: 1 3/4"

Part #14070



Side-Grip Cleco Clamps

These spring-loaded, plier-operated clamps are designed to grip at the edge of work areas while eliminating over tightening and minimizing surface marring. Ideal for holding together all types of material, they are an excellent tool to use during riveting, welding, bonding, sealing or gluing.



SIZE	PART #
3/4" x 1/2"	11091
3/4" x 1"	11092

Quantity pricing available on 100+ pieces.

SPRING CLECOS



Every Cleco/temporary fastener on this page is manufactured in the USA to precise aerospace standards. Our fasteners qualify for approval at all major aircraft plants and also meet US Government space exploration standards. The Yard Store is the largest stocking distributor of these quality temporary fasteners.

Spring-loaded fasteners temporarily hold layers of sheet metal tightly together for drilling, adjustments and rivet installation. Available in various body sizes and reaches, they're great for aircraft and other projects. Color-coded for easy identification. Install and remove these spring clecos with cleco pliers or the pneumatic spring cleco installation and removal tools on page 57.

Our inventory is so deep with spring clecos we guarantee we'll have every size in stock.

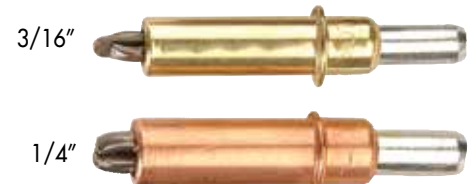
Quantity pricing available on all items on this page at 1000+ pieces.

K-Series Spring Clecos

A standard size body for use in most work spaces. 0-1/4" grip range.

• **Made in USA**

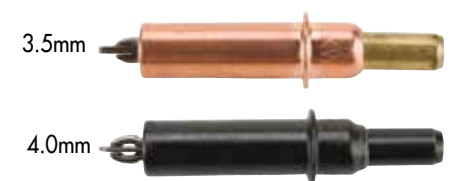
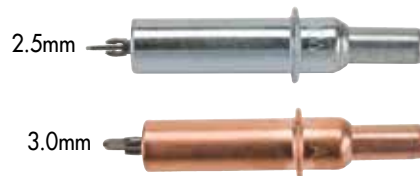
SIZE	PART #
3/32"	11011
1/8"	11012
5/32"	11013
3/16"	11014
1/4"	11017



SIZE	PART #
1/16\"/#50	11050
7/64"	11074
K144/#27	11075
K177/#16	11077
7/32"	11016



METRIC SIZE	PART #
2.5mm	11320
3.0mm	11321
3.5mm	11322
4.0mm	11323

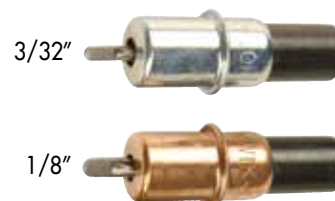


KK-Series Short Body Spring Clecos

A miniature size body for use in restricted work spaces. 0-1/4" grip range.

• **Made in USA**

SIZE	PART #
3/32"	11018
1/8"	11019
5/32"	11020
3/16"	11021





SPRING CLECOS

KHD-Series Long Reach Spring Clecocos

Clamp together thicker materials with the long reach of these spring-loaded fasteners. 0-1/2" grip range.

• Made in USA

SIZE	PART #
3/32"	11000
1/8"	11001
5/32"	11002
3/16"	11003
7/32"	11053
1/4"	11004



Quantity pricing available on 1000+ pieces.

KL-Series Spring Clecocos

A standard size body for use in most work spaces. 1/4"-1/2" grip range.

• Made in USA

SIZE	PART #
3/32"	11630
1/8"	11631
5/32"	11632
3/16"	11633

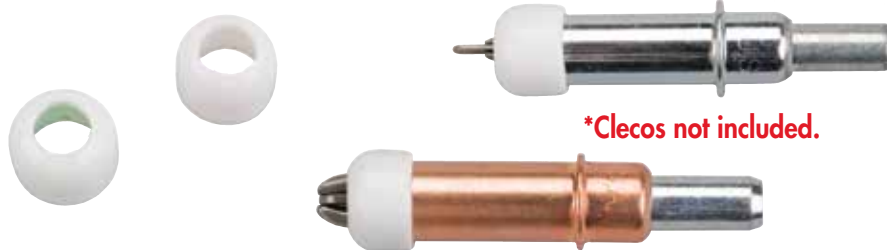


Quantity pricing available on 1000+ pieces.

Spring Cleco Caps*

Easily installed, these vinyl caps prevent marring of aircraft skin. These caps work on all of our spring clecocos including the K-Series, KK-Series and KHD Series clecocos. One size fits all 3/32" thru 1/4".

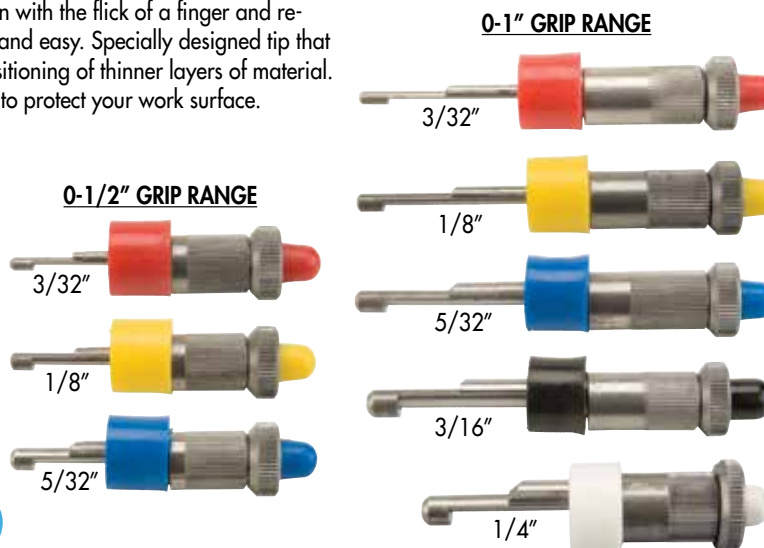
Part #11241



No-Mar Skin Pins

These manually operated temporary fasteners instantly spin up or down with the flick of a finger and require no installation tools which makes the installation and removal quick and easy. Specially designed tip that provides maximum gripping strength and are ideal for close tolerance positioning of thinner layers of material. Color coded plastic cap for easy identification. Skin pins are no-mar style to protect your work surface.

GRIP RANGE	SIZE	COLOR	PART #
0-1/2"	3/32"	Red	11250
0-1/2"	1/8"	Yellow	11251
0-1/2"	5/32"	Blue	11252
0-1"	3/32"	Red	11255
0-1"	1/8"	Yellow	11256
0-1"	5/32"	Blue	11257
0-1"	3/16"	Black	11258
0-1"	1/4"	White	11249



Quantity pricing available on 200+ pieces.

HEX-NUT DRAW CLECOS



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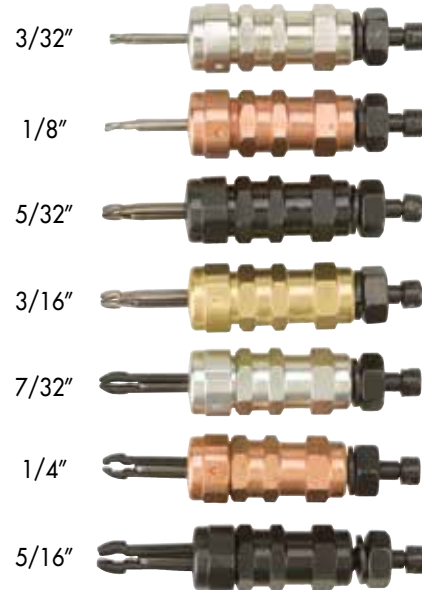
Use a hex-nut cleco when greater force is required than a spring-loaded fastener can provide – or when a fine adjustment is needed. Install with draw cleco installation and removal tool on page 61 or the pneumatic hex-nut cleco runners on page 56.

• Made in USA

Quantity pricing available on all items on this page at 200+ pieces.

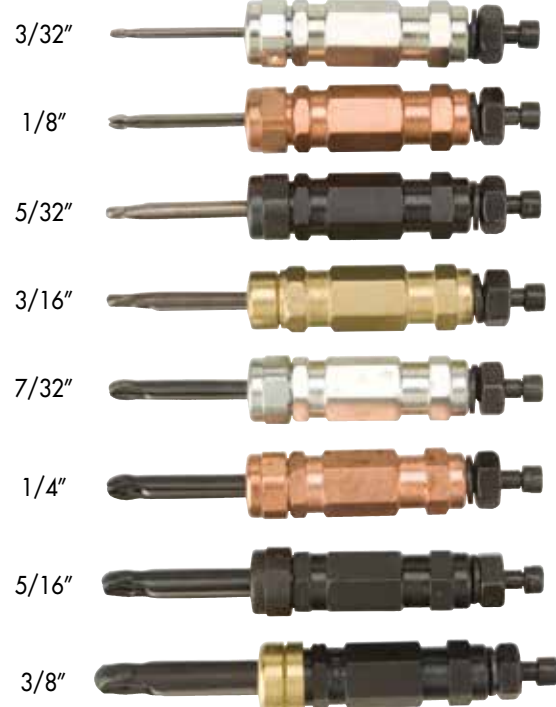
KHN (Grip Range 0-1/2") DRAW CLECOS

TYPE	SIZE	GRIP	PART #
KHN	3/32"	0-1/2"	11150
KHN	1/8"	0-1/2"	11151
KHN	5/32"	0-1/2"	11152
KHN	3/16"	0-1/2"	11153
KHN	7/32"	0-1/2"	11500
KHN	1/4"	0-1/2"	11154
KHN	5/16"	0-1/2"	11169



KHNL (Grip Range 0-1") DRAW CLECOS

TYPE	SIZE	GRIP	PART #
KHNL	3/32"	0-1"	11155
KHNL	1/8"	0-1"	11156
KHNL	5/32"	0-1"	11157
KHNL	3/16"	0-1"	11158
KHNL	7/32"	0-1"	11510
KHNL	1/4"	0-1"	11159
KHNL	5/16"	0-1"	11160
KHNL	3/8"	0-1"	11161



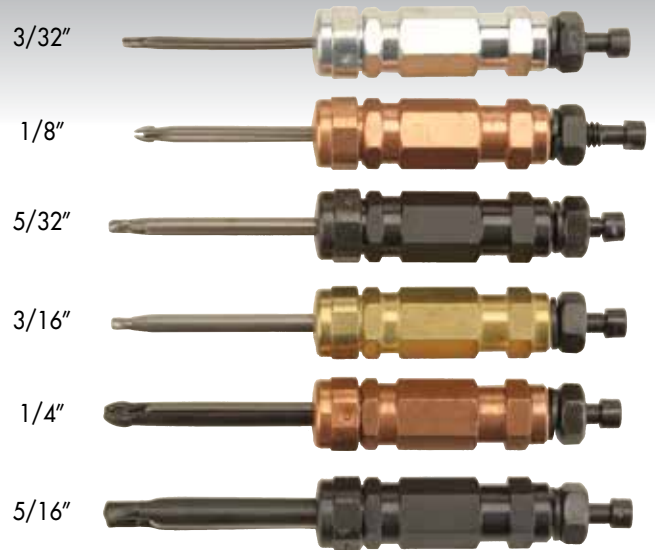


HEX-NUT DRAW CLECOS

TYPE	SIZE	GRIP	PART #
KHNEL	3/32"	1/2-1 1/2"	11162
KHNEL	1/8"	1/2-1 1/2"	11163
KHNEL	5/32"	1/2-1 1/2"	11164
KHNEL	3/16"	1/2-1 1/2"	11165
KHNEL	1/4"	1/2-1 1/2"	11166
KHNEL	5/16"	1/2-1 1/2"	11167

Quantity pricing
available
on 200+ pieces.

KHNEL (Grip Range 1/2-1 1/2") DRAW CLECOS



TYPE	SIZE	GRIP	PART #
KHNC	1/8"	1 1/2-2 1/2"	11520
KHNC	5/32"	1 1/2-2 1/2"	11521
KHNC	3/16"	1 1/2-2 1/2"	11522
KHNC	7/32"	1 1/2-2 1/2"	11523
KHNC	1/4"	1 1/2-2 1/2"	11524
KHNC	5/16"	1 1/2-2 1/2"	11525

Quantity pricing
available
on 200+ pieces.

KHNC (Grip Range 1 1/2 - 2 1/2") DRAW CLECOS



Draw Cleco Installation & Removal Tool

Designed to install hex-nut and wing-nut draw clecos quickly and economically. Can be used with any power tool with at least a 1/4" chuck or 1/4" hex female spindle.

Part #13712



Draw Cleco Caps*

Easily installed vinyl caps, which help prevent marring of sheet metal, are designed for both **hex-nut** and **wing-nut** clecos.

COLOR	SIZE	PART #
Gray	3/32"	11230
Orange	1/8"	11231
Black	5/32"	11232
Blue	3/16"	11233
Yellow	1/4"	11234
Red	5/16"	11235



* Clecos not included.

WING-NUT DRAW CLECOS



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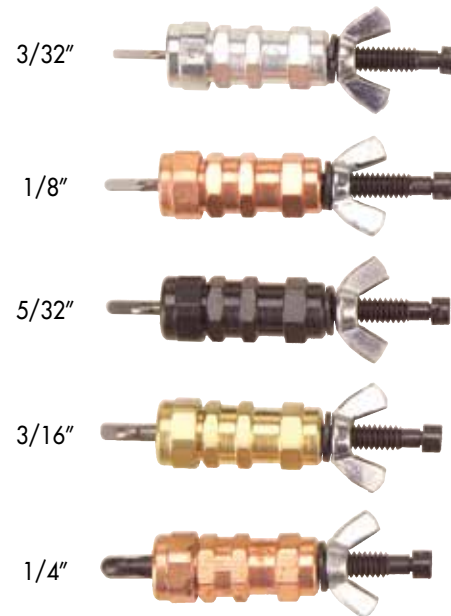
Wing-nut clecos are the right tool when you need more holding power than a spring cleco can deliver. Install with draw cleco installation and removal tool on page 63.

• Made in USA

Quantity pricing available on all items on this page at 200+ pieces.

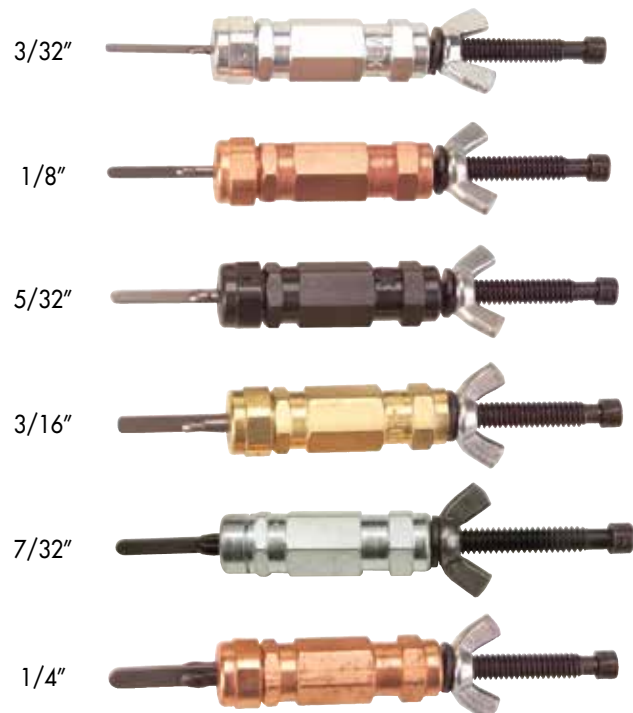
TYPE	SIZE	GRIP	PART #
KWN	3/32"	0-1/2"	11170
KWN	1/8"	0-1/2"	11171
KWN	5/32"	0-1/2"	11172
KWN	3/16"	0-1/2"	11173
KWN	1/4"	0-1/2"	11174

KWN (Grip Range 0-1/2") Wing-Nut DRAW CLECOS



TYPE	SIZE	GRIP	PART #
KWNL	3/32"	0-1"	11175
KWNL	1/8"	0-1"	11176
KWNL	5/32"	0-1"	11177
KWNL	3/16"	0-1"	11178
KWNL	7/32"	0-1"	11180
KWNL	1/4"	0-1"	11179

KWNL (Grip Range 0-1") Wing-Nut DRAW CLECOS



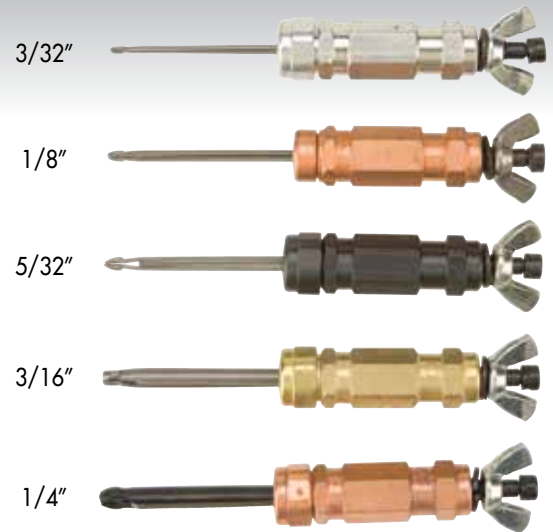


WING-NUT DRAW CLECOS

KWNEL (Grip Range 1/2 - 1 1/2") Wing-Nut DRAW CLECOS

TYPE	SIZE	GRIP	PART #
KWNEL	3/32"	1/2-1 1/2"	11185
KWNEL	1/8"	1/2-1 1/2"	11186
KWNEL	5/32"	1/2-1 1/2"	11187
KWNEL	3/16"	1/2-1 1/2"	11188
KWNEL	1/4"	1/2-1 1/2"	11190

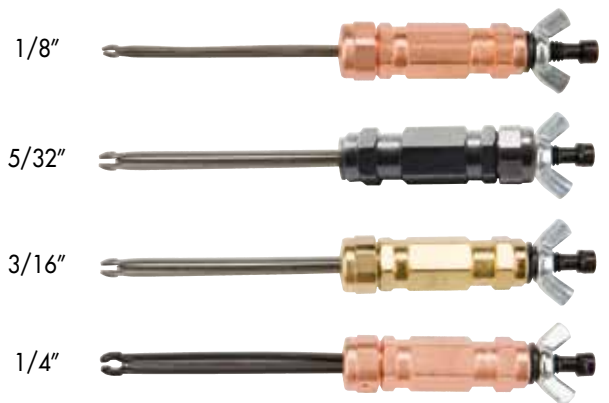
Quantity pricing
available
on 200+ pieces.



KWNLK (Grip Range 1 1/2 - 2 1/2") Wing-Nut DRAW CLECOS

TYPE	SIZE	GRIP	PART #
KWNLK	1/8"	1 1/2-2 1/2"	11192
KWNLK	5/32"	1 1/2-2 1/2"	11193
KWNLK	3/16"	1 1/2-2 1/2"	11194
KWNLK	1/4"	1 1/2-2 1/2"	11195

Quantity pricing
available
on 200+ pieces.



Draw Cleco Installation & Removal Tool

Designed to install hex-nut and wing-nut draw clecos quickly and economically. Can be used with any power tool with at least a 1/4" chuck or 1/4" hex female spindle.

Part #13712



Draw Cleco Caps*

Easily installed vinyl caps, which help prevent marring of sheet metal, are designed for both **hex-nut** and **wing-nut** clecos.

COLOR	SIZE	PART #
Gray	3/32"	11230
Orange	1/8"	11231
Black	5/32"	11232
Blue	3/16"	11233
Yellow	1/4"	11234
Red	5/16"	11235



* Clecos not included.

CYLINDRICAL DRAW CLECOS



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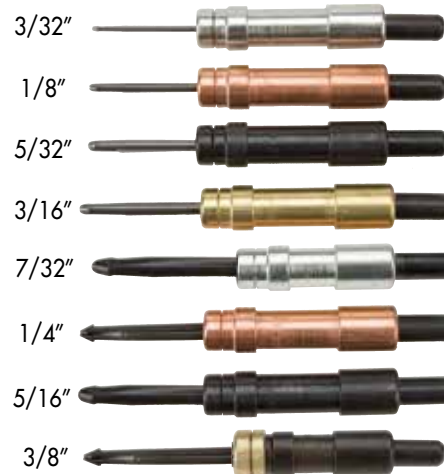
Cylindrical draw clecos offer a higher level of tension than regular spring-loaded fasteners. They require special installation tools such as the manual donuts shown on page 65 or pneumatic, pistol grip installation runners that are on page 56.

• Made in USA

Quantity pricing available on all items on this page at 200+ pieces.

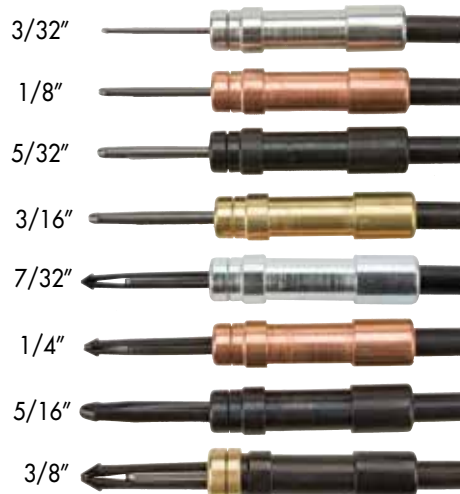
TYPE	SIZE	GRIP	PART #
CBX	3/32"	0-1/2"	11112
CBX	1/8"	0-1/2"	11113
CBX	5/32"	0-1/2"	11114
CBX	3/16"	0-1/2"	11115
CBX	7/32"	0-1/2"	11134
CBX	1/4"	0-1/2"	11116
CBX	5/16"	0-1/2"	11133
CBX	3/8"	0-1/2"	11132

CBX (Grip Range 0-1/2") DRAW CLECOS



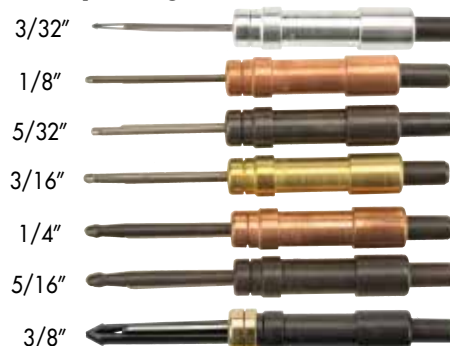
TYPE	SIZE	GRIP	PART #
CBXL	3/32"	0-1"	11117
CBXL	1/8"	0-1"	11118
CBXL	5/32"	0-1"	11119
CBXL	3/16"	0-1"	11120
CBXL	7/32"	0-1"	11141
CBXL	1/4"	0-1"	11121
CBXL	5/16"	0-1"	11140
CBXL	3/8"	0-1"	11139

CBXL (Grip Range 0-1") DRAW CLECOS



TYPE	SIZE	GRIP	PART #
CBXEL	3/32"	1/2-1 1/2"	11122
CBXEL	1/8"	1/2-1 1/2"	11123
CBXEL	5/32"	1/2-1 1/2"	11124
CBXEL	3/16"	1/2-1 1/2"	11125
CBXEL	1/4"	1/2-1 1/2"	11126
CBXEL	5/16"	1/2-1 1/2"	11137
CBXEL	3/8"	1/2-1 1/2"	11136

CBXEL (Grip Range 1/2-1 1/2") DRAW CLECOS





CYLINDRICAL DRAW CLECOS

TYPE	SIZE	GRIP	PART #
CBXK	1/8"	1 1/2-2 1/2"	11128
CBXK	5/32"	1 1/2-2 1/2"	11129
CBXK	3/16"	1 1/2-2 1/2"	11130
CBXK	7/32"	1 1/2-2 1/2"	11143
CBXK	1/4"	1 1/2-2 1/2"	11131
CBXK	5/16"	1 1/2-2 1/2"	11144
CBXK	3/8"	1 1/2-2 1/2"	11138

Quantity pricing
available
on 200+ pieces.

CBXK (Grip Range 1 1/2-2 1/2") DRAW CLECOS



Designed specifically for use in wet sealant or liquid shim applications. The CSX utilizes an internal spring to retain a maximum of 100 lbs. of clamping pressure even with minor structure thickness variations due to sealant flow.

- Saves time and labor
- Eliminates the need for re-torquing after installation

TYPE	SIZE	GRIP	PART #
CSX	3/32"	0-1/2"	11300
CSX	1/8"	0-1/2"	11301
CSX	5/32"	0-1/2"	11302
CSX	3/16"	0-1/2"	11303

Quantity pricing
available
on 200+ pieces.

CSX (Grip Range 0-1/2") DRAW CLECOS



Cylindrical Draw Cleco Plastic Caps*

Use to protect the surface of a structure from galvanic corrosion and scratches. These hard plastic caps provide additional durability over vinyl caps and are permanently affixed to the body of the fastener.

SIZE	PART #
3/32"-1/8"	11101
5/32"-3/16"	11102
7/32"-1/4"	11103
5/16"	11104
3/8"	11105



*Clecos not included.

New Item

Cylindrical Cleco Tool with Handle

Used to install and remove cylindrical clecos. Has a handle for additional gripping power.

Part #12267



Cylindrical Body Cleco Hand Tool

The CBHT-01-Max "donut" is an improved hand tool used to manually install and remove cylindrical body clecos. Features an ergonomic grip, no-mar construction, lightweight, durable and highly visible. **Made in USA.**

Part #12266



Manual Cylindrical Cleco Tool

Use this "donut" tool to manually install and remove cylindrical clecos.

Part #12251



AIR HOSES & AIR VACS

Air Hose

High-quality flexible hose designed for extended use. Both 1/4" and 3/8" diameter hoses are fitted with 1/4" NPT male ends.

- Made in USA

1/4" DIAMETER HOSE

ITEM	PART #
1/4" x 25'	14610
1/4" x 50'	14611

3/8" DIAMETER HOSE

ITEM	PART #
3/8" x 25'	14620
3/8" x 50'	14621



* Color of hose may vary.

Aluminum Body Air Vac

This classic style aluminum body vacuum features a locking trigger and 12" flexible hose that reaches into difficult spots. Featuring a Venturi-type design and operating off standard shop air, this mini-vac has excellent sucking power. Includes air fitting, bag and bag clip.

Part #12169



Plastic Body Air Vac

This popular mini-vac features a Venturi-type design, 12" flexible hose, lockable trigger and great sucking power. Includes bag and bag clip. Operates off standard shop air.

- Made in USA

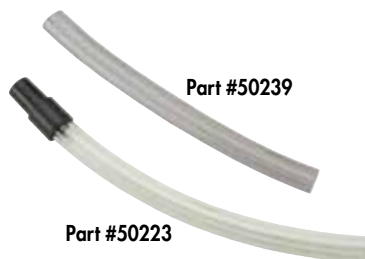
Part #12151



Replacement Air Vac Hoses

Hoses fits all air vacs we carry.

DESCRIPTION	PART #
Aluminum Air Vac Hose	50223
Plastic Air Vac Hose	50239



Replacement Bag & Clip

Bag and clip fits all air vacs we carry.

Part #12164



AIR FITTINGS

Brass Air Regulator

Made of brass, this regulator has positive adjustment and an easy-to-read numbered dial. Works nicely in conjunction with one of our swivel connectors below. 1/4" NPT threads on both ends.

Part #12161



Air Line Swivels

The 360° swivel reduces air hose kinking and twisting, making tools easier to maneuver and less tiring to run. 1/4" NPT thread size on both ends.

PART

12152

12153

50113

50114



12152



50113 (with regulator)
Sioux® (Model 1338FC-25)



12153 (with regulator)



50114 (composite body)

Air Tool Fittings

Milton-style fitting. Each fitting is industry standard and fits most air tools. 1/4" NPT thread on male and female ends.

ITEM

PART

Male

14601

Female

14602



Brass Quick-Change Coupler

1/4" NPT female threads on one end, other end adapts to your fitting.

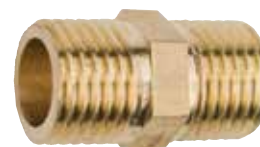
Part #14600



Brass Male Coupler

• Solid brass construction. • Precision-machined for leak-proof operation. • 1/4" NPT (male) x 1/4" NPT (male).

Part #14607



3-Way Air Hose Splitter Manifold

1/4" NPT female threads on back side and three 1/4" NPT female threads on front side in order to hook up multiple hoses and tools all at one time.

Part #14604



Quick-Change Manifold Kit

Use this kit to hook up multiple hoses and tools all at the same time.

Kit includes:

- 1 - 3-way air hose splitter manifold
- 3 - Brass quick-change couplers
- 3 - Brass male couplers
- 1 - Male air tool fitting

Part #14606



Automatic Oiler

Keep your tools running correctly and efficiently with constant lubrication. Fill up the oiler with air tool oil and screw it directly into the tool.

Part #12156



PNEUMATIC SEALANT GUNS

Inline Sealant Guns

Spread sealant smoothly, uniformly and exactly where you want it with these air-powered sealant guns. 10 ft. hose included with all these sealant guns. Hose has Hanson-style air fitting.

DESCRIPTION	PART #
Sealant gun combo (includes 2 1/2 oz. & 6 oz. retainers)	16575
Sealant gun with 2 1/2 oz. retainer only	16574
Sealant gun with 6 oz. retainer only	16573



Pistol Grip Sealant Guns

Use pneumatic pistol grip sealant guns to apply smooth, uniform material exactly where you want it. Includes body. 10 ft. hose included with all these sealant guns. Hanson-style air fitting on hose.

DESCRIPTION	PART #
Sealant gun combo (includes 2 1/2 oz. & 6 oz. retainers)	16572
Sealant gun with 2 1/2 oz. retainer only	16571
Sealant gun with 6 oz. retainer only	16570



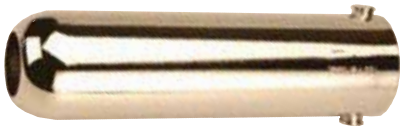
SEALANT GUN REPLACEMENT PARTS

Can be used on air-powered sealant guns on this page.



2 1/2 oz. Retainer

Part #90010



6 oz. Retainer

Part #90006



10 ft. Replacement Hose

Fits most major brands of sealant guns.
• Hanson-style air fitting on hose

Part #16504



New Item

Sealant Gun Handle

Part #16577

MANUAL SEALANT GUNS

New Item

Master Sealant Gun Kit

KIT INCLUDES:*

- Pneumatic sealant gun body
- Manual sealant gun body
- 2 1/2 oz. pneumatic retainer
- 6 oz. pneumatic retainer
- 2 1/2 oz. manual retainer
- 6 oz. manual retainer
- 10 ft. hose

*No substitutions

Part #60851



Compressed air not available on the tarmac? Only doing a small job? These sealant guns are up to the task.

SAVE WITH VOLUME PRICING

As the sealant gun manufacturer's largest customer, we get the best price possible and pass the savings on to you.

DESCRIPTION	PART #
Sealant gun combo (includes 2 1/2 oz. & 6 oz. retainers)	60825
Sealant gun with 2 1/2 oz. retainer only	60824
Sealant gun with 6 oz. retainer only	60830



MANUAL SEALANT GUN RETAINERS

Can be used on manual sealant guns listed above.



2 1/2 oz. Retainer

Part #60819



6 oz. Retainer

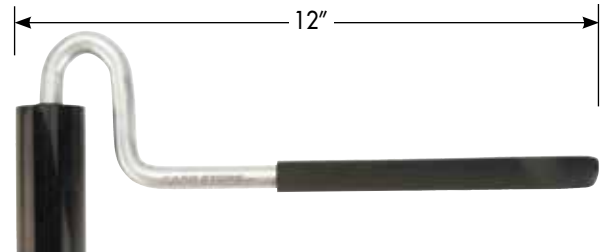
Part #60820

Sealant Roller

Lightweight, easy-to-use roller is designed to help put down sealant tape, allowing user to apply maximum pressure to make a leak-proof smooth seal. Rubber roller prevents damage to film and has an open end to easily wrap the roller with tape for easy clean up.

- Overall length: 12"
- Roller width: 3"
- Roller diameter: 1 3/8"

Part #14752

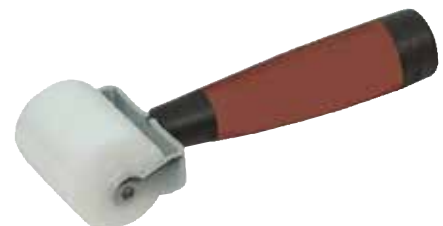


White Plastic Sealant Roller

Designed to assist in applying sealant tape. Allows user to apply maximum pressure to make a leak-proof smooth seal. Plastic roller prevents damage to film. Unit is lightweight and easy to use.

- Roller width: 2"
- Roller Diameter: 1 1/4"
- Made in USA

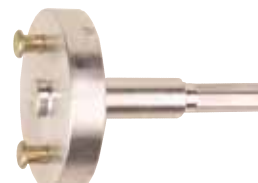
Part #14750



Sealant Mixer

Slide this 1/4" shank mixer into your drill to easily mix SEMKIT® sealant tubes.

Part #16510



SEALANT GUN ACCESSORIES



6 oz. & 2 1/2 oz. Empty Sealant Cartridges

Empty cartridges allows you to fill with your own sealant, caulking or adhesive. Includes plunger.

Sealant Plunger

Precision molded replacement plunger.

Threaded Sealant End Cap

Use to cap off and save sealant.

Sealant End Cap

Designed to snap on to the end of sealant cartridges.

Quantity pricing
available
on 50+ pieces.



Part #16590



Part #16591

NOTE: Color of cartridges and caps may vary.



Part #16589



Part #16593



Part #16592

DESCRIPTION	PART #
2 1/2 oz. Empty Sealant Cartridge (Nose is threaded, includes plunger)	16590
6 oz. Empty Sealant Cartridge (Nose is threaded, includes plunger)	16591
Sealant Plunger (Fits any 2 1/2 or 6 oz. standard sealant cartridges)	16589
Threaded Sealant End Cap (Fits any 2 1/2 or 6 oz. standard sealant cartridges)	16592
Sealant End Cap (Fits any 2 1/2 or 6 oz. standard sealant cartridges, 1 7/8" diameter)	16593

Sealant Nozzles

Threaded end allows you to attach to any sealant cartridge.

- Made with a high-density plastic material.
- Tips can be trimmed to increase the amount of opening.

LENGTH	TIP OPENING	PART #
2 1/2"	1/16"	16594
2 1/2"	1/8"	16595
4"	1/32"	16587
4"	1/16"	16596
4"	1/8"	16598
4" (30° Bend)	1/16"	16597

Quantity pricing
available
on 50+ pieces.



Part #16587



Part #16596



Part #16594



Part #16598



Part #16595



Part #16597

Sealant Nozzle Spreader

Threaded end allows you to attach to any sealant cartridge. Made with a high-density plastic material.

- 4 1/2" long
- 3/4" wide tip
- 1/8" opening

Part #16599



Quantity pricing
available
on 50+ pieces.

New Item

3" x 3" Comb Sealant Spreader

Made from Celcon®, a Boeing-approved material. Built for maximum efficiency and long-lasting performance during heavy use.

Part #16584



Quantity pricing available
on 50+ pieces.

Sealant Razor

Made specifically for sealant removal on aircraft. This nozzle peels away even the toughest sealants with ease. Threaded nozzle allows you to attach to any sealant cartridge. Made with high-density plastic material.

- 4 1/2" long
- 1/4" orifice

Part #16586

Quantity pricing available
on 50+ pieces.



New Item

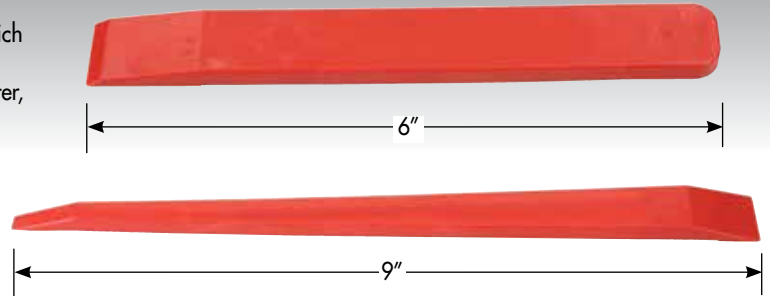
SEALANT SCRAPERS & CUTTERS

Sealant Scrapers

These scrapers are Boeing Approved and are made of Celcon® plastic, which is a semi-crystalline thermoplastic, offering high tensile strength, stiffness and toughness which helps them retain a sharp edge. They are resistant to hot water, hydrocarbons and solvents and can be used for sealant application, sealant removal, paint removal and other general uses. Scrapers can be resharpened.

SIZE	PART #
6" x 3/4" x 3/16"	16580
9" x 3/4" and 1/4" x 3/16"	16581

Quantity pricing
available
on 50+ pieces.

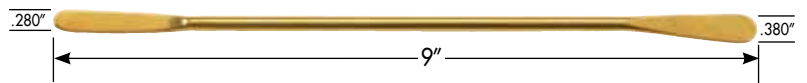


Brass Sealant Spoon

Spread sealant over a variety of materials without the danger of fire with this spoon made of non-sparking brass.

Part #60810

Quantity pricing available on 10+ pieces.

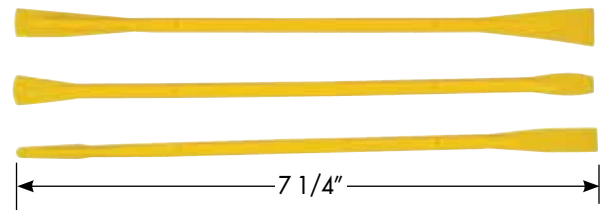


Sealant Spatulas

Contains three 7 1/4" long spatulas made of nylon plastic which is more chemically resistant in using with solvents. Convenient carry case included.

- Sizes:
- 7 1/4" long with two spatula tip sizes, 1/8" and 5/16"
 - 7 1/4" long with two spatula tip sizes, 3/8" and 3/16"
 - 7 1/4" long with two spatula tip sizes, 3/8" and 1/2"

Part #16582

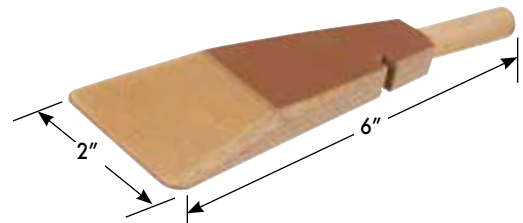


Phenolic Scraper

Designed to fit a rivet gun (.401 shank), but it also can be used as a hand-held scraper. These scrapers are non-sparking and non-conductive (no static charge).

- Can be resharpened for extended use
- Chemically resistant

Part #14755

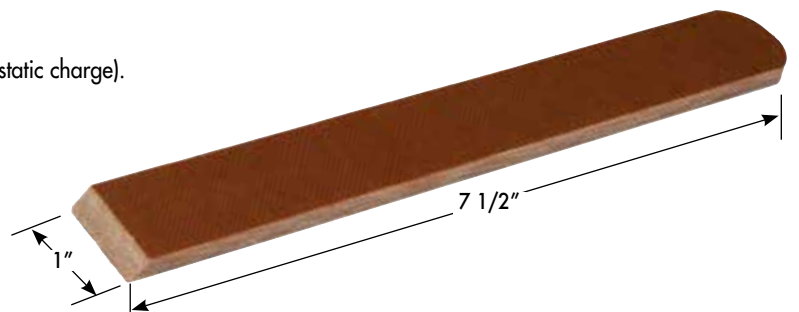


Phenolic Scraper

These hand-held scrapers are non-sparking and non-conductive (no static charge). Can be resharpened with a grinding wheel and are chemically resistant.

- Width: 1"
- Length: 7 1/2"
- Thickness: 3/16"

Part #14758



Sealant Cutters

Avoid harsh chemicals or hand scraping and achieve smoother results with these cutters. They can remove thick applications of seam sealant quickly and safely for aircraft maintenance and repair, saving time and effort.

- 1/4" x 28 threaded shank
- SR style

.40" Diameter Cutters

DESCRIPTION	PART #
Individual cutter	16532
5-Piece set	16533



.83" Diameter Cutters

DESCRIPTION	PART #
Individual cutter	16530
5-Piece set	16531



MASTER APPLIANCE® HEAT GUN



Master Appliance® Heat Guns

Shrink tubing and packaging, bend plastics, cure adhesives, dry and heat parts, strip paint, defrost frozen pipes, heat sensitive materials – any job requiring heat. Includes an adjustable, non-slip stand. Optional attachments shown below.

- 120V 60Hz 14A
- High air flow rating: 23 CFM at 3000 FPM gets the job done fast
- Powerful high-speed universal motor
- **Made in USA**

MODEL	HEAT RANGE	PART #
HG-201D	Up to 400° F	54003
HG-501D	Up to 1200° F	54002

MASTER®
HEAT TOOLS FOR INDUSTRY™

Optional Accessory Attachments for Models HG201D & HG501D (shown above)



DESCRIPTION	PART #
Shrink attachment for tubing up to 3/4" O.D.	54050
Shrink attachment for tubing 3/4" to 2" O.D.	54051
3/8" pinpoint attachment	54053
2-1/4" spreader attachment	54054
7/8" reducer attachment	54055

Optional ProHeat® Variair™ Specialty Accessory Attachments

Will work on all ProHeat® guns pictured on page 73.



DESCRIPTION	PART #
3-1/2" spreader attachment	54150
1-3/8" heat shrink attachment	54151
Specialty connector attachment	54152
9/16" reducer attachment	54153
5/16" reducer attachment	54154

The Yard Store is a full-line Master Appliance® Heat Gun distributor. Call for additional information.

PROHEAT® HEAT GUNS

ProHeat® 1200 Varitemp Professional Heat Gun

This compact, lightweight and easy-to-use heat gun is designed to minimize operator fatigue. Whether used to desolder, heat temperature-sensitive materials, shrink tubing or terminate specialty connectors, you will be surprised by the efficiency and precision of this tried-and-true heat gun.

- Model PH-1200A
- Ergonomic design for superb balance and grip
- Variable temperature with patented electronic temperature control system
- Pre-select and maintain any temperature from 130°-1000°F/50°-540°C
- Powerful airflow at 4000 FPM and 16 CFM
- Heavy-duty Lexan® plastic housing with built-in stand for hands-free use
- Protective hand/switch guard and convenient hanging loop
- Accessories sold separately (see page 72)

Part #54307

**Replacement
ProHeat® Proloc™
Magnetic Key**



Part #
54313



ProHeat® LCD Programmable Heat Gun Kit

Designed specifically to heat temperature-sensitive materials including specialty connectors, solder preforms, shrink tubing and more. Compact, lightweight and easy-to-use, with LCD readout and separate temperature and airflow dials.

- Model PH-1400K
- Adjustable temperature in 10° increments from 130°F to 1000°F (50°C to 540°C) in your choice of degrees Fahrenheit or Celsius
- Adjustable air flow from 4 to 16 CFM (113 - 453 l/min.)

KIT INCLUDES:

- ProHeat® LCD Programmable Gun
- Hard plastic storage case
- All five specialty attachments sold separately (see page 72)

Part #54201

Heat Gun Only

Part #54309



BOELUBE® LUBRICANTS

Environmentally friendly, Boeing-developed lubricants are high-efficiency minimum quantity lubrications (MQL) for drilling, tapping, reaming, milling, cutting, grinding and sawing. Noncorrosive, nonflammable and chemically stable, it contains no hazardous substances. Greatly improves tool life, surface finish and hole quality. Lubricants have a long shelf life and are easily removed with water-based cleaners or isopropyl or denatured alcohol. Available in three textures: solid, liquid or paste.

Boelube® Pastes and Solids are recommended for manual, hand-held applications. Boelube® Liquids are recommended for both automatic, thru-the-tool, manual or hand-held applications.

Quantity pricing available on 10+ pieces.



DESCRIPTION	PRODUCT #	OUNCES	PART #
Boelube® Paste (Blue Soft)	70302-12	12	17206
Boelube® Paste (Blue Medium)	70307-12	12	17209
Boelube® Paste (Pink Hard)	70305-12	12	17208
Boelube® Paste (Blue Medium)	70307-L	4	17223



Boelube® White Block

- 4 ounces
- Product # 70200-14

Part #17204



Boelube® White Solid (Push Tube)

- 1.6 ounces
- Product # 70200-13

Part #17205

Quantity pricing available on 50+ pieces.



Boelube® Pink Solid (Push Tube)

- 1.6 ounces
- Product # 70201-13

Part #17199



Boelube® Liquid (Red)

- 1 gallon
- Product # 70104-04

Part #30200



Boelube® Liquid (Clear)

- 1 gallon
- Product # 70106-04

Part #17220

BOELUBE® LUBRICANTS

Quantity pricing available on 10+ pieces.



Boelube® Liquid 90

• 4 ounces • Product # 70090-L

Part #17207



Boelube® Solid (Push Tube)

• 3.5 ounces • Product # 70200-40

Part #17221

New Items

Boelube® Spray Pumps



DESCRIPTION

PRODUCT

OUNCES

PART

Boelube® Spray (Red Liquid)

70104-S

7

17225

Boelube® Spray (Colorless Liquid)

70090-S

7

17226

Quantity pricing available on 6+ pieces.

Air Tool Grease Gun & Grease

This handy little all-steel gun has a needle-fine point that gets into the smallest grease holes on your pneumatic tools to provide long life for the gears. Grease tubes thread directly into the grease gun for easy use. Choose between heavyweight and lightweight greases.

Combo includes a grease gun and one tube of grease.

*Light grease: For grinders, threaded drill motors and sanders with angle gears.

**Heavy grease: For grinders, drills and sanders with planetary gears.



ITEM

PART

Grease gun

13549

Grease only** - heavy (45-0983)

13551

Grease only* - light (45-0980)

13552

Grease gun combo - light*

13553

Grease gun combo - heavy**

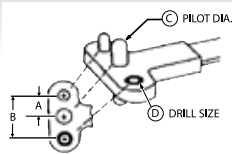
13554

NUT PLATE JIGS



Don't struggle to accurately drill rivet holes for a nut plate – use one of our many sizes of drilling jigs. Line the jig up in your bolt hole and drill the accompanying rivet holes to secure the plate. Flexible handle makes it easy to keep your hand clear while using the jig. **Made in USA.**

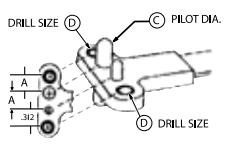
Two Lug Double Wing Standard



DWS (2 Lug)	NUT THREAD REFERENCE	A	B	C	D	PART #
518-A	#6	.344	.688	.139	#40	41100
518-B	#8	.344	.688	.164	#40	41101

DWS (2 Lug)	NUT THREAD REFERENCE	A	B	C	D	PART #
518-C	#10	.344	.688	.191	#40	41102
518-D	1/4"	.500	1.000	.248	#40	41103

Single Wing Standard



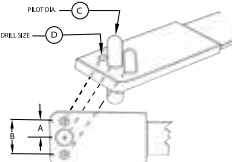
8-PIECE NUT PLATE JIG SET
(Contains Sizes: A, B, C, D, G, H, J and K)
SORRY, NO MIX AND MATCH

Part #41126

• Storage box - FOD style NOT INCLUDED

SWS (1 Lug)	NUT THREAD REFERENCE	A	C	D	PART #
518-G	#6	.344	.139	#40	41106
518-H	#8	.344	.164	#40	41107
518-J	#10	.344	.191	#40	41108
518-K	1/4"	.344	.248	#40	41109

Two Lug Double Wing Miniature



5-PIECE DOUBLE WING NUT PLATE JIG SETS

(Contains Sizes: #4, #6, #8, #10 and 1/4")
SORRY, NO MIX AND MATCH

Part #41136

• Storage box - FOD style NOT INCLUDED

DWM (2 Lug)	NUT THREAD REFERENCE	'A' DIM.	'B' DIM.	'C' DIM.	'D' DIM.	PART #
518-NA	#4	.203	.406	.112	#40	41130
518-NB	#6	.218	.436	.139	#40	41131
518-NC	#8	.234	.468	.164	#40	41132
518-ND	#10	.250	.500	.191	#40	41133
518-NE	1/4"	.281	.562	.248	#40	41134
518-NG	3/16"	.234	.468	.234	#40	41147

8-PIECE NUT PLATE JIG SET

(Contains Sizes: A, B, C, D, G, H, J and K)
SORRY, NO MIX AND MATCH

Part #76113

• Storage box - FOD style included



5-PIECE DOUBLE WING NUT PLATE JIG SET

(Contains Sizes: #4, #6, #8, #10 and 1/4")
SORRY, NO MIX AND MATCH

Part #76114

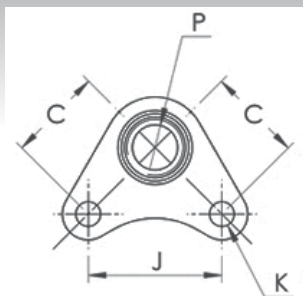
• Storage box - FOD style included





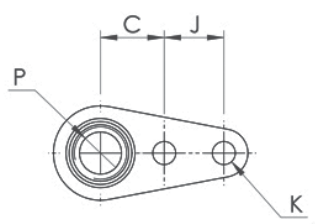
NUT PLATE JIGS

Corner Wing Standard



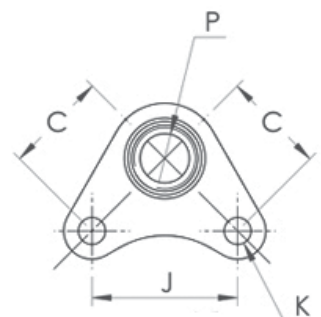
CWS	C	J	P	K	PART #
518-S	.344	.486	.164	#40	41115
518-T	.344	.486	.191	#40	41116
518-U	.500	.707	.248	#40	41117

Single Wing Miniature



SWM	NUT THREAD REFERENCE	C	J	P	K	PART #
518-PB	#6	.218	.219	.139	#40	41138
518-PC	#8	.234	.219	.164	#40	41139
518-PD	#10	.250	.219	.191	#40	41140
518-PE	1/4"	.281	.219	.250	#40	41141

Corner Wing Miniature



CWM	C	J	P	K	PART #
518-SB	.218	.308	.139	#40	41143
518-SC	.234	.331	.164	#40	41144
518-SD	.250	.354	.191	#40	41145
518-SE	.281	.397	.248	#40	41146

Nut Plate Drill Bit #40 Cobalt

This nut plate drill countersink is used in a nut plate pneumatic drill motor to drill consistent, countersunk holes.

- 135° Split point
- 100° Countersink
- 8-32 Threaded

Part #16640

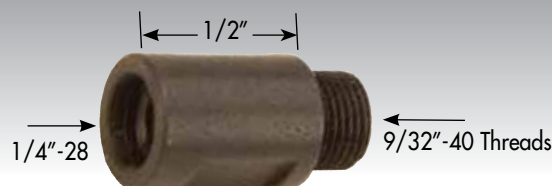


DRILL CHUCKS & CHUCK KEYS

90° Threaded Adapter

Change attachments not drills. This adapter lets you adapt your angle drill from 9/32"-40 threads to the industry-standard 1/4"-28 threads.

Part #69060



Quick-Change Chuck

The chuck has 3/8"-24 threads that will fit most pistol grip drills. The chuck permits tool changes in seconds and provides unparalleled accuracy. Designed for drill bits, countersinks, sanding tools – anything with quick-change ends. Use with microstops on pages 80-81: P.N. 13089 and P.N. 13000.

- Not recommended for reversible drills

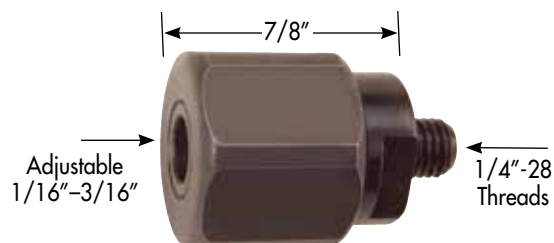
Part #14135



Mini-Cone Chuck

Put straight shank bits on your threaded drill and easily maneuver the tool in tight work spaces and hard-to-reach areas. This miniature chuck is adaptable to angle-head tools with industry standard 1/4"-28 threads. Chuck can handle shanks from 1/16" to 3/16". Wrench included.

Part #14906



Quick-Change Adapter

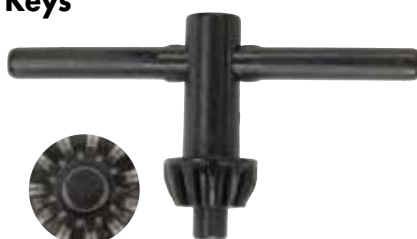
Use this quick-change adapter to fit the stubby microstop, P.N. 13039 (shown on page 81) to your 90° or 45° threaded angle drill.

- 1/4"-28 threads

Part #14137



Chuck Keys



STYLE A



STYLE B



STYLE C

MODEL #	PILOT GEARS	SIZE	STYLE	USE ON CHUCK MODELS	PART #
K2	11	1/4"	A	2A, 2B, 2BA	14392
K32	10	1/4"	A	32, 33, 3326A, 326A, etc.	14393
KG	11	1/4"	A	1/4" & 3/8" Multi-Craft	14394
K1	11	5/32"	A	1A, 1B	14395
K7	11	7/32"	B	7, 7B, 7BA, 6.5BA	14396
KGA	11	1/4"	C	1/4" & 3/8" Multi-Craft	14397
K3	11	5/16"	B	6, 34, 3, 14N, 55B, etc.	14398
K30	10	15/64"	B	30, 31, 81/2N, 41BA, etc.	14399

DRILL CHUCKS

Jacobs® 5/16" (8mm) Aircraft Keyless Chuck

Rugged construction. Ergonomic design. Fast bit changing. For use on variable speed pneumatic, corded or cordless drills. **We do not recommend use of this chuck with reversible drills.**

- Capacity: .020" to .315" (5/16" or 8mm)
- Threads: 3/8"-24

CAPACITY RANGE	OVERALL LENGTH	WEIGHT	PART #
.020" to .315" (5/16" or 8mm)	2.475"	.40 lb.	14939



Precision Keyless Chucks

Top-of-the-line chucks with the same quality and features as the brand name chucks for nearly half the price! Features rapid clamping and releasing of the drills without the use of a wrench. Industry standard 3/8"-24 female threads. **We do not recommend use of these chucks with reversible drills.**

CAPACITY RANGE	OVERALL LENGTH	WEIGHT	PART #
0-1/4"	2 5/8"	.85 lb.	14936
0-3/8"	2 3/4"	.85 lb.	14937



Precision 3/8" Steel Keyless Chuck

Rugged construction. Ergonomic design. Fast bit changing. For use on variable speed pneumatic, corded or cordless drills. **We do not recommend use of this chuck with reversible drills.**

- Capacity: 3/8"
- Threads: 3/8"-24

CAPACITY RANGE	OVERALL LENGTH	WEIGHT	PART #
0-3/8"	1 3/8"	.55 lb.	14938

New Item



Rohm Keyless Chucks

Top-of-the-line chucks for your drill or drill presses, with industry standard 3/8"-24 threads so it will fit most any drill. Features rapid clamping and releasing of the drills without the use of a wrench.

We do not recommend use of these chucks with reversible drills.

CAPACITY RANGE	OVERALL LENGTH	WEIGHT	PART #
0-1/4"	2 1/4"	.66 lb.	14930
0-3/8"	3 1/8"	1.35 lbs.	14931



Jacobs® 3/8" Multicraft Chuck

Rugged construction. For use on variable speed pneumatic, corded or cordless drills.

- 3/8"-24 threads to fit most pistol grip drills.

Part #14391



Texas Keyed Chucks

These are the same high-end precision chucks that we use on our Texas Palm Drills.

- 3/8"-24 Thread Spindle

CAPACITY RANGE	PART #
0-1/4"	14935
0-3/8"	14934



Chuck key: K30



Chuck key: K1

MICROSTOPS

Use one of our many microstops (pages 80-81) to countersink flush-mount rivet holes to the desired depth. Long or stubby, wide or narrow, smooth shank, threaded or quick-change, the **Yard Store** has the microstop to accurately prepare rivet holes without mistakes or sheet metal damage. See our large selection of countersinks on pages 83-87.

Microstop

- 1/4" shaft
- 1/4"-28 female threads
- **Rated for 3,000 RPM use**
- Adjustable in .001" increments
- 5/8" cutter capacity
- **Ball bearings**

Part #13031



Nylon Tip Microstop

- 1/4" shaft
- 1/4"-28 female threads
- **Rated for 3,000 RPM use**
- Adjustable in .001" increments
- 5/8" cutter capacity
- **Ball bearings**

Part #13040



Small Body Microstop

- 1/4" shaft
- 1/4"-28 female threads
- **Rated for 3,000 RPM use**
- .687 outside diameter
- Adjustable in .001" increments
- 1/2" cutter capacity
- Designed for seat track use

Part #13095



Large Body Microstop

- 1/4" shaft
- 1/4"-28 female threads
- **Rated for 10,000 RPM use**
- Comparable to Magnavon 2142
- Adjustable in .001" increments
- 5/8" cutter capacity
- **Ball bearings**

Part #13088



Quick-Change Large Body Microstop

- 5/16" quick-change shaft or regular chuck
- 1/4"-28 female threads
- **Rated for 10,000 RPM use**
- Adjustable in .001" increments
- 5/8" cutter capacity
- **Ball bearings**
- Comparable to Magnavon 2142

Part #13089



Wescon Microstop 1.25" Extension (596-ER3)

- 1/4" shaft
- 1/4"-28 female threads
- 3/8" cutter capacity

Part #30411

New Item



MICROSTOPS

Wescon Microstop 396-S

- 1/4" shaft
- 1/4"-28 female threads
- Cutter capacity: 1/2"
- **Rated for 10,000 RPM use**
- Dual ball bearings
- Adjustable in .0005" increments

New Item



Part #30412

Wescon Microstop 596-F

- 1/4" shaft
- 1/4"-28 female threads
- Cutter capacity: 3/4"
- **Rated for 10,000 RPM use**
- Heavy duty thrust bearings
- Adjustable in .0005" increments

New Item



Part #30413

Zephyr Microstop ZT680-SPI-TF

- 1/4" shaft
- 1/4"-28 female threads
- 3/4" cutter capacity
- **Rated for 10,000 RPM use**
- **Ball bearings**
- Adjustable in .0005" increments
- **Made in USA**



Part #30331

Zephyr Microstop ZT330-S

- 1/4" shaft
- 1/4"-28 female threads
- **Rated for 3,000 RPM use**
- 5/8" cutter capacity
- Adjustable in .001" increments
- **Made in USA**



Part #30320

Stubby Microstop

- 1/4"-28 threaded shank for use in angle motors
- 1/4"-28 female threads
- **Rated for 3,000 RPM use**
- Adjustable in .001" increments
- 1/2" cutter capacity



Part #13096

Stubby Microstop

In order to fit your threaded 90° or 45° drills, this microstop must be used only with the quick-change adapter, P.N. 14137 (shown on page 78).

- 5/16" quick-change shaft or regular chuck
- 1/4"-28 female threads
- **Rated for 3,000 RPM use**
- Adjustable in .001" increments
- 1/2" cutter capacity



Part #13039

3" Extended Microstop with Countersinks

- Can be used with a 5/16" quick-change chuck or a 3/8" regular chuck.
- 1/4"-28 female threads
- 3/8" cutter capacity
- **Rated for 3,000 RPM use**
- Overall length: 7"
- Adjustable in .001" increments
- Comes with four 100° countersinks: #40, #30, #21 & #10
- **FOD box NOT INCLUDED**



3" Extended Microstop only

Part #13000

Part #13085



MICROSTOP FOD STYLE KITS



5-Piece 3" Extended Microstop Kit

- Can be used with a 5/16" quick-change chuck or a 3/8" regular chuck.
- **Rated for 3,000 RPM use**
- Overall length: 7"
- Adjustable in .001" increments
- 1/4"-28 female threads
- 3/8" cutter capacity

KIT INCLUDES:

- Extended microstop (13000)
- Four 100° countersinks: #40 (13011), #30 (13012), #21 (13013) and #10 (13014)
- Storage box - FOD style

Part #76116



6-Piece Nylon Tip Microstop Kit

KIT INCLUDES:

- Nylon tip microstop (13040)
- 1 each 100° countersink: #40 (13011), #30 (13012), #21 (13013), #10 (13014) and 1/4" (13015)
- Storage box - FOD style

Part #76117

New Item

9-Piece Microstop Kit

- Microstop (13031)
- 1 each 100° countersink: #40 (13011), #30 (13012), #21 (13013), #10 (13014), 1/8" (13341), 5/32" (13342), 3/16" (13343) and 1/4" (13015)
- Storage box - FOD style

Part #76119



New Item

9-Piece Nylon Microstop Kit

- Nylon tip microstop (13040)
- 1 each 100° countersink: #40 (13011), #30 (13012), #21 (13013), #10 (13014), 1/8" (13341), 5/32" (13342), 3/16" (13343) and 1/4" (13015)
- Storage Box - FOD style

Part #76120



New Item

5-Piece Wescon Microstop Box Kit

KIT INCLUDES:

- Wescon microstop 1.25" extension 596-ER3 (30411)
- Wescon microstop 396-S (30412)
- Wescon microstop 596-F (30413)
- Nylon skirt for 596 microstop 59604-IN (30420)
- Nylon skirt for 396 microstop 39604-IN (30425)
- Storage box - FOD style

Part #76125



COUNTERSINKS

All our countersinks are made of high-speed steel, 100° (unless otherwise noted), 3-fluted, and 1/4"-28 threaded. Number size or fractional; we have the countersinks you'll need to properly prepare sheet metal holes for flush mount rivets.

Equip your toolbox with one of our sets and save.

100° Countersinks 3/8" Body Diameter



*4-piece set includes: #40, #30, #21 and #10

NUMBER-SIZE PILOTS

SIZE	DECIMAL	PART #
#40	.0980	13415
#30	.1285	13416
#27	.1440	13427
#21	.1590	13417
#13	.1850	13433
#11	.1910	13431
#10	.1935	13418
4-Piece set*	-	13421

FRACTIONAL-SIZE PILOTS

SIZE	DECIMAL	PART #
3/32"	.0938	13423
1/8"	.1250	13424
5/32"	.1562	13425
3/16"	.1875	13426
4-Piece set	-	13422

100° Countersinks 1/2" Body Diameter



NUMBER-SIZE PILOTS

SIZE	DECIMAL	PART #
#40	.0980	13011
#30	.1285	13012
#27/#6 screw	.1440	13380
#21	.1590	13013
#20/#8 screw	.1610	13381
#16	.1770	13116
#13	.1850	13410
#12	.1890	13326
#11	.1910	13411
#10	.1935	13014
#8	.1990	13408
#7	.2010	13407
#6	.2040	13106
#3	.2130	13113
5-Piece set*	-	13009

*5-piece set includes: #40, #30, #21, #10 and 1/4"

FRACTIONAL-SIZE PILOTS

SIZE	DECIMAL	PART #
3/32"	.0938	13340
1/8"	.1250	13341
5/32"	.1562	13342
3/16"	.1875	13343
7/32"	.2188	13016
1/4"	.2500	13015
5-Piece set*	-	13344

*5-piece set includes: 3/32", 1/8", 5/32", 3/16" and 1/4"

LETTER-SIZE PILOT

SIZE	DECIMAL	PART #
D	.2460	13412

100° Cobalt Countersinks Number-size Pilots 1/2" Body Diameter



SIZE	DECIMAL	PART #
#40	.0980	12995
#30	.1285	12996
#21	.1590	12997
#10	.1935	12998
1/4"	.2500	12999
5-Piece set	-	10096

COUNTERSINKS

100° Countersinks Number-size Pilots – 5/16" Body Diameter



SIZE	DECIMAL	PART #
#40	.0980	13530
#30	.1285	13531
#21	.1590	13532
#10	.1935	13533
4-Piece set	–	13539

100° Countersinks Fractional-size Pilots – 5/16" Body Diameter



SIZE	DECIMAL	PART #
3/32"	.0938	13534
1/8"	.1250	13535
5/32"	.1562	13536
3/16"	.1875	13537
4-Piece set	–	13538

82° Countersinks Number-size Pilots – 1/2" Body Diameter



SIZE	DECIMAL	PART #
#40	.0980	13321
#30	.1285	13322
#21	.1590	13323
#10	.1935	13324
1/4"	.2500	13320
5-Piece set	–	13319

120° Countersinks Number-size Pilots – 1/2" Body Diameter



SIZE	DECIMAL	PART #
#40	.0980	13311
#30	.1285	13312
#21	.1590	13313
#10	.1935	13314
1/4"	.2500	13315
5-Piece set	–	13316

130° Countersinks Number-size Pilots – 1/2" Body Diameter



SIZE	DECIMAL	PART #
#40	.0980	19560
#30	.1285	19561
#21	.1590	19563
#10	.1935	19569
1/4"	.2500	19575
5-Piece set	–	19558

130° Countersinks Fractional Pilots – 1/2" Body Diameter



SIZE	DECIMAL	PART #
3/32"	.0938	19570
1/8"	.1250	19571
5/32"	.1562	19572
3/16"	.1875	19573
1/4"	.2500	19575
5-Piece set	–	19559

COUNTERSINKS

These carbide tipped and solid carbide countersinks are designed for cutting highly abrasive materials such as composites and difficult-to-machine materials where longer tool life is desired.



100° Carbide Tipped Countersinks

- Carbide tips are bonded to high-speed steel bodies
- 100 degree
- **1/2" body diameter**
- 2-flute
- Industry standard 1/4"-28 threads

NUMBER-SIZE PILOTS

SIZE	DECIMAL	PART #
#40	.0980	19640
#30	.1285	19641
#21	.1590	19643
#20	.1610	19644
#11	.1910	19648
#10	.1935	19649
5-Piece set*	-	19620

*5-piece set includes: #40, #30, #21, #10 and 1/4"

FRACTIONAL-SIZE PILOTS

SIZE	DECIMAL	PART #
3/32"	.0938	19660
1/8"	.1250	19661
5/32"	.1562	19662
3/16"	.1875	19663
7/32"	.2188	19664
1/4"	.2500	19665
5/16"	.3125	19666
5-Piece set*	-	19621

*5-piece set includes: 3/32", 1/8", 5/32", 3/16" and 1/4"



9-piece set includes: #40, #30, #21, #10, 3/32", 1/8", 5/32", 3/16" and 1/4"



130° Carbide Tipped Countersinks

- Carbide tips are bonded to high-speed steel bodies
- 130 degree
- **1/2" body diameter**
- 2-flute
- Industry standard 1/4"-28 threads

NUMBER-SIZE PILOTS

SIZE	DECIMAL	PART #
#40	.0980	19580
#30	.1285	19581
#21	.1590	19583
#10	.1935	19589

FRACTIONAL-SIZE PILOTS

SIZE	DECIMAL	PART #
3/32"	.0938	19590
1/8"	.1250	19591
5/32"	.1562	19592
3/16"	.1875	19593
7/32"	.2188	19595
1/4"	.2500	19594



100° Solid Carbide Countersinks

- Solid carbide bodies
- 100 degree
- **1/2" body diameter**
- 3-flute
- Industry standard 1/4"-28 threads

NUMBER-SIZE PILOTS

SIZE	DECIMAL	PART #
#40	.0980	19740
#30	.1285	19741
#27	.1440	19742
#21	.1590	19743
#20	.1610	19744
#16	.1770	19745
#13	.1850	19746
#12	.1890	19747
#11	.1910	19748
#10	.1935	19749
5-Piece set*	-	19780

*5-piece set includes: #40, #30, #21, #10 and 1/4"

FRACTIONAL-SIZE PILOTS

SIZE	DECIMAL	PART #
3/32"	.0938	19760
1/8"	.1250	19761
5/32"	.1562	19762
3/16"	.1875	19763
1/4"	.2500	19765
5/16"	.3125	19766
5-Piece set*	-	19781

*5-piece set includes: 3/32", 1/8", 5/32", 3/16" and 1/4"

LETTER-SIZE PILOT

SIZE	DECIMAL	PART #
D	.2460	19773



9-piece set includes: #40, #30, #21, #10, 3/32", 1/8", 5/32", 3/16" and 1/4"

COUNTERSINKS

Briles Countersinks

- Designed for Boeing® BR7 rivets, MS14218
- Creates both counterbore and countersink in one operation
- Made from M42 HSS, heat treated to 63-66 Rockwell

DIAMETER	RIVET SIZE	DECIMAL	BODY DIAMETER	PART #
3/32"	-3	.0938	3/8"	19630
1/8"	-4	.1250	3/8"	19631
5/32"	-5	.1562	3/8"	19632
3/16"	-6	.1875	3/8"	19633
7/32"	-7	.2188	3/8"	19634
1/4"	-8	.2500	3/8"	19635
9/32"	-9	.2812	1/2"	19636
5/16"	-10	.3125	1/2"	19637



Polycrystalline Diamond (PCD) Countersinks

Polycrystalline diamond is a synthetic diamond. These cutters excel in cutting highly abrasive, non-ferrous materials. Replaceable pilot construction allows replacement of damaged pilots and substitution of various pilot diameters with the same cutter (See below).

- 1/4"-28 threads
- 2-flute

DESCRIPTION	BODY DIAMETER	PILOT HOLE	PART #
100° Countersink	1/2"	3/32"	20400
130° Countersink	1/2"	3/32"	20405
100° Countersink	5/8"	3/32"	20409



Countersink Pilots

For use with our polycrystalline diamond countersinks (See above).

DIAMETER	SHANK SIZE	PART #	DIAMETER	SHANK SIZE	PART #
3/32"	3/32"	20502	#20	3/32"	20620
#40	3/32"	20640	3/16"	3/32"	20508
1/8"	3/32"	20504	#11	3/32"	20611
#30	3/32"	20630	#10	3/32"	20610
5/32"	3/32"	20506	7/32"	3/32"	20510
#21	3/32"	20621	1/4"	3/32"	20512



Spotfacer 29/64" Threaded

4-fluted spotfacer is made of high-speed hardened steel. Cutter has a 1/8" pilot hole. 1/4"-28 threads for use in angle drills. Pilot not included.

Part #70060



Chatterless Countersink

Eliminate the chatter common to conventional countersinks with this 6-fluted countersink. Made of high-speed steel.

- 3/8" diameter
- 2" overall length
- 100°
- 1/4" shank

Part #70160



COUNTERSINKS & CUTTERS

Countersinking, counterboring, spotfacing – with **The Yard Store's** wide variety of cutters you'll be able to find the tool for many tasks.

100° Reverse Countersinks



When direct countersinking is not possible because access is restricted, these 100° countersinks will do the trick. All are precision ground with correct angle and radial clearance.

See page 88 for 10-piece kit.

DIAMETER	PILOT	PART #
1/4"	3/32"	70101
1/4"	1/8"	70103
5/16"	1/8"	70102
5/16"	5/32"	70104
3/8"	5/32"	70105
3/8"	3/16"	70106
7/16"	5/32"	70107
7/16"	3/16"	70114
1/2"	3/16"	70108
1/2"	1/4"	70109
9/16"	3/16"	70110
5/8"	1/4"	70112
5/8"	5/16"	70113

Reverse Spotfacers



Use for reverse counterboring and spotfacing in tight areas where straight shank tools cannot be used. Designed with four-flute cutting edges. Precision ground with correct angle and radial clearance.

See page 88 for 14-piece kit.

DIAMETER	PILOT	PART #
1/4"	3/32"	70125
1/4"	1/8"	70126
5/16"	1/8"	70127
5/16"	5/32"	70128
3/8"	3/16"	70129
3/8"	5/32"	70130
7/16"	5/32"	70131
7/16"	3/16"	70132
29/64"	1/8"	70120
1/2"	3/16"	70133
9/16"	3/16"	70134
1/2"	1/4"	70135
9/16"	1/4"	70136
5/8"	1/4"	70137
3/4"	5/16"	70138

Reverse Pilots

Standard 6" overall length. Interchangeable between countersink and counterbore reverse cutters.

DIAMETER	PART #
3/32"	70150
1/8"	70151
5/32"	70152
3/16"	70153
1/4"	70154
5/16"	70155

Counterbore/Spotfacers



These 4-fluted counterbores are made of high-speed hardened steel. All have a 1/4" shaft to chuck up in your drill. Pilots not included.

See page 88 for 28-piece kit.

DIAMETER	PILOT HOLE	PART #
1/4"	3/32"	70018
9/32"	3/32"	70034
5/16"	3/32"	70019
11/32"	3/32"	70001
3/8"	3/32"	70002
7/16"	1/8"	70020
29/64"	1/8"	70050
15/32"	1/8"	70030
1/2"	1/8"	70025
17/32"	1/8"	70033
9/16"	1/8"	70026
19/32"	1/8"	70036
5/8"	1/8"	70004
11/16"	3/16"	70012
3/4"	3/16"	70013
13/16"	3/16"	70005
7/8"	3/16"	70007
29/32"	3/16"	70011
15/16"	3/16"	70008
1"	3/16"	70009

Counterbore/Spotfacer Pilots



DIAMETER	SHANK SIZE	PART #
#40	3/32"	70065
1/8"	3/32"	70066
#30	3/32"	70067
#21	3/32"	70068
3/16"	3/32"	70069
#10	3/32"	70070
1/4"	3/32"	70071
#30	1/8"	70072
#21	1/8"	70073
3/16"	1/8"	70074
#10	1/8"	70075
1/4"	1/8"	70076
5/16"	1/8"	70077
3/16"	3/16"	70078
#10	3/16"	70079
1/4"	3/16"	70080
5/16"	3/16"	70081
3/8"	3/16"	70082

COUNTERSINK & CUTTER KITS

10-piece Set

Reverse Countersinks with Pilots

KIT INCLUDES:

- 1 each reverse countersink – 1/4" x 3/32" (70101), 5/16" x 1/8" (70102), 3/8" x 5/32" (70105), 7/16" x 3/16" (70114) and 1/2" x 1/4" (70109)
- 1 each reverse pilot – 3/32" (70150), 1/8" (70151), 5/32" (70152), 3/16" (70153) and 1/4" (70154)
- Storage box – FOD style

Part #76110



14-piece Set

Reverse Spotfacers with Pilots

KIT INCLUDES:

- 1 each reverse spotfacer – 1/4" x 3/32" (70125), 1/4" x 1/8" (70126), 5/16" x 1/8" (70127), 3/8" x 5/32" (70130), 7/16" x 5/32" (70131), 1/2" x 3/16" (70133), 1/2" x 1/4" (70135), 9/16" x 3/16" (70134) and 5/8" x 1/4" (70137)
- 1 each reverse pilot – 3/32" (70150), 1/8" (70151), 5/32" (70152), 3/16" (70153) and 1/4" (70154)
- Storage box – FOD style

Part #76111



28-piece Set

Counterbores with Pilots

KIT INCLUDES:

- 1 each counterbore – 1/4" x 3/32" (70018), 5/16" x 3/32" (70019), 3/8" x 3/32" (70002), 7/16" x 1/8" (70020), 1/2" x 1/8" (70025), 9/16" x 1/8" (70026), 5/8" x 1/8" (70004), 3/4" x 3/16" (70013), 7/8" x 3/16" (70007) and 1" x 3/16" (70009)
- 1 each counterbore pilot – #40 x 3/32" (70065), 1/8" x 3/32" (70066), #30 x 3/32" (70067), #21 x 3/32" (70068), 3/16" x 3/32" (70069), #10 x 3/32" (70070), 1/4" x 3/32" (70071), #30 x 1/8" (70072), #21 x 1/8" (70073), 3/16" x 1/8" (70074), #10 x 1/8" (70075), 1/4" x 1/8" (70076), 5/16" x 1/8" (70077), 3/16" x 3/16" (70078), #10 x 3/16" (70079), 1/4" x 3/16" (70080), 5/16" x 3/16" (70081) and 3/8" x 3/16" (70082)
- Storage box – FOD style

Part #76112



HOLE FINDERS

Bushing-Type Strap Duplicators

Our hole finders eliminate the guesswork from a task demanding precision – drilling a hole in one layer of sheet metal that matches up precisely with an existing hole in another layer. Simply fit the pilot pin to the existing hole and drill through the guide hole of the other strap into the new material and you'll have a rivet-ready match. The end of the handle doubles as a convenient tool for prying sheets of metal apart. Can't pry sheets apart? Then use our "inverted" finders.

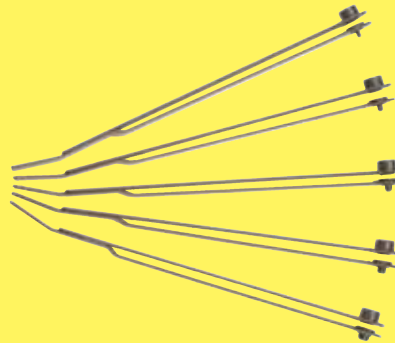
Buy them individually or save big buying in kits.

6" Standard Hole Finder (5-Piece Set)

- Complete set includes one each:
#40, #30, #21, #10 & 1/4"

(5-Piece set)

Part #13060



6" STANDARD

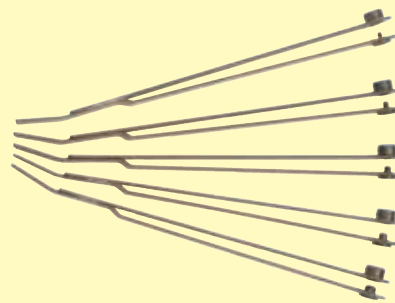
SIZE	PART #
#40	13055
#30	13056
#21	13057
#10	13058
1/4"	13059
5-Piece set	13060

6" Inverted Hole Finder (5-Piece Set)

- Complete set includes one each:
#40, #30, #21, #10 & 1/4"

(5-Piece set)

Part #13062



6" INVERTED

SIZE	PART #
#40	13063
#30	13064
#21	13065
#10	13066
1/4"	13067
5-Piece set	13062

10-Piece HOLE FINDER SET COMBO SPECIAL

BUY BOTH 6" STANDARD & INVERTED SETS
SHOWN ABOVE

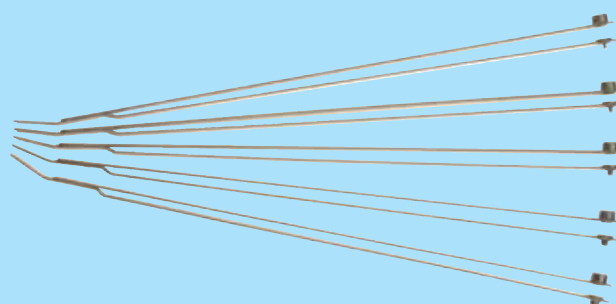
Part #13093

13" Standard Hole Finder (5-Piece Set)

- Complete set includes one each:
#40, #30, #21, #10 & 1/4"

(5-Piece set)

Part #13230



13" STANDARD

SIZE	PART #
#40	13221
#30	13222
#21	13223
#10	13224
1/4"	13225
5-Piece set	13230

HOLE CUTTER KITS

The patented RotaCut™ cutters are **three times faster than hole saws** or twist drills, **last 10 times longer** and can cut sheet metal, plate steel or plastic 1/4" up to 1/2" thick. Precision ground of M2 high-speed steel, they make accurate, burr-free holes and leave behind a larger plug of usable material than other cutters.



RotaCut™ (Kit #11087) Combo Hole Cutter Kit

Contains cutters and arbor for 3/8" and 1/2" or larger hand-held drills and drill presses.

KIT INCLUDES:

- Thirteen convenient sizes of cutters: 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 3/4", 7/8", 1", 1 1/8", 1 1/4", 1 3/8" and 1 1/2"
- 3/8" and 1/2" arbors
- Center punch
- Three pilots, hex washer and hex wrench

Part #16980



RotaCut™ (Kit #11085) Combo Hole Cutter Kit

Contains cutters and arbor for 3/8" or larger hand-held drills and drill presses.

KIT INCLUDES:

- Sixteen convenient sizes of 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"
- 3/8" arbor
- Center punch
- Two pilots, hex washer and hex wrench

Part #16930



RotaCut™ (Kit #11078) Large Diameter Hole Cutter Kit

Contains cutters and arbor for 1/2" or larger hand-held drills and drill presses.

KIT INCLUDES:

- Six convenient sizes of cutters: 7/8", 1", 1 1/8", 1 1/4", 1 3/8", 1 1/2"; arbor; pilot; hex washer; center punch

Part #16880

REPLACEMENT ARBORS

SIZE	PART #
3/8"	16870
1/2"	16890

RotaCut™ (Kit #11075) Sheet Metal Hole Cutter Kit

Contains cutters and arbor for 3/8" or larger hand-held drills and drill presses.

KIT INCLUDES:

- Seven convenient sizes of cutters: 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 3/4"; arbor; 2 pilots; adjusting wrench; center punch

Part #16860



REPLACEMENT CUTTERS



CUTTER SIZE	ARBOR SIZE	PART #	CUTTER SIZE	ARBOR SIZE	PART #
1/4"	3/8"	16887	9/16"	3/8"	16865
9/32"	3/8"	16888	5/8"	3/8"	16866
5/16"	3/8"	16861	11/16"	3/8"	16868
11/32"	3/8"	16889	23/32"	3/8"	16898
3/8"	3/8"	16862	3/4"	3/8"	16867
13/32"	3/8"	16893	7/8"	1/2"	16881
7/16"	3/8"	16863	1"	1/2"	16882
29/64"	3/8"	16894	1 1/8"	1/2"	16883
15/32"	3/8"	16895	1 1/4"	1/2"	16884
1/2"	3/8"	16864	1 3/8"	1/2"	16885
17/32"	3/8"	16896	1 1/2"	1/2"	16886

CUTTERS & SHAVER BITS

Shave rivets, remove Hi-Shear® or Hi-Lok® collars while preserving the rest of the fastener, cut away paint without chipping – these tools are designed specifically for the job.

Save over 10 percent by buying a multi-piece set.

Hi-Shear®/Hi-Lok® Cutters

Cut away the collar of Hi-Shear® or Hi-Lok® type fasteners without damaging the fastener pin. Made of high-speed hardened steel. Each attaches with industry-standard 1/4"-28 threads.

- Made in USA

SIZE	PART #
1/8"	10105
5/32"	10106
3/16"	10107
1/4"	10108
4-Piece set	10109

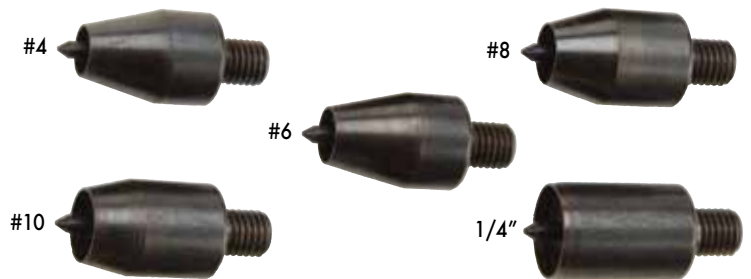


Paint Cutters

A spring-loaded pilot centers the cutter over the screw head while the cutter scores the paint around it. Greatly reduces paint chipping and flaking around screw heads. It's best to use the cutter in a microstop so that you won't end up cutting too deep.

- 1/4"-28 threads

SIZE	PART #
#4	13400
#6	13401
#8	13402
#10	13403
1/4"	13405
5-Piece Set	13406



Rivet Shaver Bits

These carbide-tipped bits shave high rivets that protrude above the surface. They are precision ground for chatter-free cuts and longer life.

- 1/4"-28 threaded
- Use in pneumatic rivet shavers, microstops or angle drills
- Available in 6 sizes

SIZE	PART #
5/16"	12194
3/8"	12195
7/16"	12196
1/2"	12197
9/16"	12198
5/8"	12193



Texas In/Out Deburr Tools

Precisely deburr or chamfer both sides of a hole in a single pass. Replaceable double-action blades made of high-speed steel are available for 1/8", 5/32", 3/16" and 1/4" sizes only. Tension can be adjusted with a hex key.

Purchase tools individually or save money by purchasing our economically priced 5-Piece Kit (PN 14860).

- Kit contains 3/32", 1/8", 5/32", 3/16" & 1/4" deburr tools and storage box.
- Shank size: 1/4"

SIZE	PART #
3/32"	14840
1/8"	14842
5/32"	14843
3/16"	14844
1/4"	14846
5-Piece Kit	14860



REPLACEMENT BLADES

SIZE	PART #
1/8"	14854
5/32"	14855
3/16"	14856
1/4"	14858



5-Piece Kit
Part #14860

DEBURRING TOOLS

Dogleg Deburring Tool (Speed Driver)

The whipping motion from this tool's dogleg shaft will quickly deburr holes, resulting in a smooth, tight fit for round and flush rivets. The tool can reach into hard-to-access spots and has an industry-standard 1/4"-28 threaded holder for the 100-degree deburring bit.

- Tool supplied with one 100° deburring bit; extra bits available.



• Overall Length: 11 1/4"

DESCRIPTION	PART #
Handle w/Bit	14031
Handle Only	90002
Bit Only	14033

Rosebud Deburring Bits

Chuck these deburring bits into your drill to quickly and easily deburr holes, resulting in a smooth, tight fit for round and flush rivets.

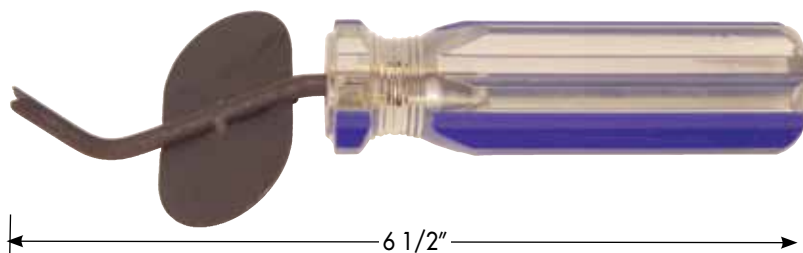
SIZE	SHAFT	BODY DIAMETER	DEGREE	RANGE OF HOLE SIZE	PART #
#0	1/4"	1/4"	100°	1/16" - 15/64"	16186
#1	1/4"	7/16"	100°	5/32" - 3/8"	16187
#2	1/4"	9/16"	100°	3/16" - 17/32"	16188
#2	1/4"	9/16"	90°	3/16" - 17/32"	16172



Edge Deburring Tool

Unique dove-tail end quickly removes burrs and roughness from the edges of sheet metal. Economical tool has a safety-grip plastic handle and a safety guard to protect your hands.

Part #14043



Noga Pencil Deburring Tool

Large, easy-to-grip handle makes it easy to eliminate burrs from steel, aluminum and plastic.

- Overall length: 6 1/4"
- Comes with 10 blades

Part #50124

**Additional Blades
10-piece Set**

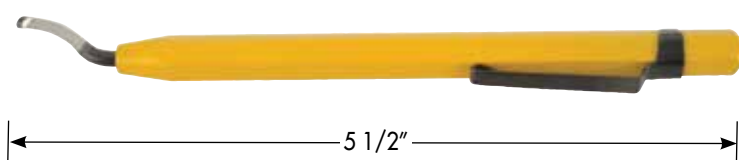
Part #50188



Pencil-Style Deburring Tool

Excellent for removing burrs from steel and aluminum. Heavy-duty blade is non-replaceable.

Part #50138



HAND TOOLS

Hex Shank Hole Deburring Tool

Put this deburring bit into your drill to quickly and easily deburr holes.

- Brand: Weldon 115965-33-W
- Range of Cut: 0.0730 to 0.2340

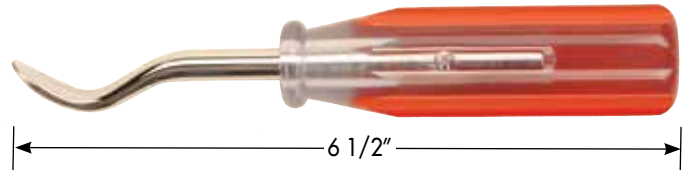


Part #16184

Burnishing Tool

Remove blemishes and scratches in sheet metal with this hand tool featuring a comfortable-to-grip plastic handle.

Part #14136



Metal Handle Chip-Chaser

You've drilled the holes but discovered a chip or burr wedged between layers of sheet metal. This sturdy but flexible tool slides in and removes the chip that would prevent a tight fit. Because they're so slender and flexible, they also come in handy for removing other objects from tight spots. Blade is 5 1/2" long; replacement blades are available.

Part #14205



Replacement Blade

Part #14219

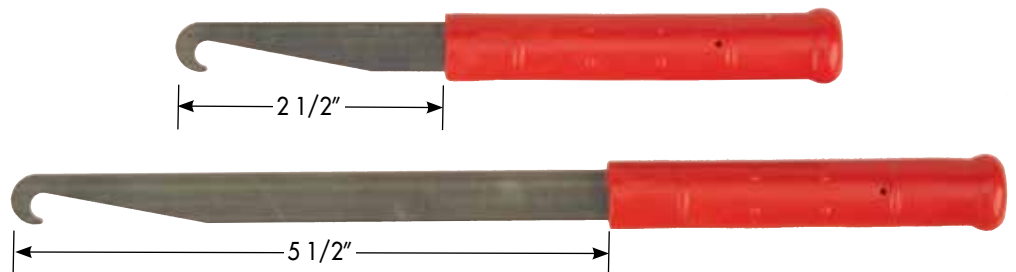
Plastic Chip-Chaser Set

This bargain-priced 2-piece set of chip chasers will pull out chips and burrs stuck between sheets after drilling rivet holes. Each chaser has a molded plastic handle and flexible steel blade with hook on the end. Blades are 5 1/2" and 2 1/2" long. They're also great for removing screws and other items stuck in difficult to reach spots.

Part #14190

INDIVIDUAL CHIP CHASERS

SIZE	PART #
2 1/2"	14202
5 1/2"	14201



Air Blow Gun

Blast away dirt and other debris from your projects and workplace.

FEATURES INCLUDE:

- Chrome-plated zinc cast body, comfortable vinyl-coated control lever.
- Hanging hook for storage.

INCLUDES 2 NOZZLES:

- A high-pressure nozzle and safety nozzle which directs excess air away from operator.
- Air inlet: 1/4" NPT.

Part #14890



SANDING DISCS & ARBORS

Quantity pricing available on all discs on this page at 50+ pieces. Holders not included.

ROLOC-STYLE 1/4" SHAFT - TYPE "R"

Clean, finish, deburr or remove scratches – whatever the task we have a disc size and grit for the job. The Roloc-Style discs have threaded male button for easy mounting.

NOTE: All products pictured on this page are not shown at actual size.

Roloc Sanding Discs – 1 1/2"



GRIT	PART #
36	13245
60	13246
80	13247
120	13248
150	13249

Roloc Sanding Discs – 2"



GRIT	PART #
36	13255
60	13256
80	13257
120	13258
150	13259

Roloc Sanding Discs – 3"



GRIT	PART #
36	13265
60	13266
80	13267
120	13268
150	13269

Roloc Disc Holders*



SIZE	PART #
1 1/2"	13240
2"	13241
3"	13242

* This item is not available for quantity pricing.

Roloc Surface Conditioning Discs – 1 1/2"



GRIT	COLOR	PART #
Fine	Blue	13282
Medium	Red	13281
Coarse	Brown	13280

Roloc Surface Conditioning Discs – 2"



GRIT	COLOR	PART #
Fine	Blue	13287
Medium	Red	13286
Coarse	Brown	13285

Roloc Surface Conditioning Discs – 3"



GRIT	COLOR	PART #
Fine	Blue	13292
Medium	Red	13291
Coarse	Brown	13290

SANDING DISCS & ARBORS

Quantity pricing available on all discs on this page at 50+ pieces. Holders not included.

Turn-On Sanding Discs – 1"



GRIT	PART #
36	13444
60	13445
80	13446
120	13447
150	13448

Turn-On Sanding Discs – 1 1/2"



GRIT	PART #
36	13454
60	13455
80	13456
120	13457
150	13458

Turn-On Sanding Discs – 2"



GRIT	PART #
36	13464
60	13465
80	13466
120	13467
150	13468

Turn-On Sanding Discs – 3"



GRIT	PART #
36	13474
60	13475
80	13476
120	13477
150	13478
180	13479

TURN-ON-STYLE 1/4" SHAFT - TYPE "S"

Clean, finish, deburr or remove scratches – whatever the task we have a disc size and grit for the job. Turn-On Style discs have a female threaded end.

NOTE: All products pictured on this page are not shown at actual size.

Turn-On Disc Holders *



SIZE	PART #
1"	13440
1 1/2"	13441
2"	13442
3"	13443

* This item is not available for quantity pricing.

Turn-On Surface Conditioning Discs – 1 1/2"



GRIT	COLOR	PART #
Fine	Blue	13486
Medium	Red	13485
Coarse	Brown	13484

Turn-On Surface Conditioning Discs – 2"



GRIT	COLOR	PART #
Fine	Blue	13489
Medium	Red	13488
Coarse	Brown	13487

Turn-On Surface Conditioning Discs – 3"



GRIT	COLOR	PART #
Fine	Blue	13492
Medium	Red	13491
Coarse	Brown	13490

SANDING DRUMS & BAND SLEEVES

Quantity pricing available on all bands on this page at 50+ pieces. Sanding drums not included.

Our premium quality spiral sanding band sleeves feature an Aluminum Oxide Resin Bond for smooth finishing action. Perfect for smoothing edges on curved surfaces and odd shapes. No other tool can sand or smooth the inside of holes better. Use with hand held drills, drill presses or oscillating spindle sanders.

NOTE: All products pictured on this page are not shown at actual size.

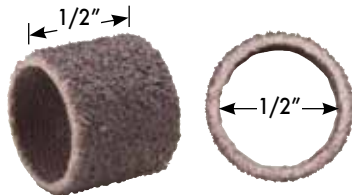
Sanding Drums*



DIAMETER	LENGTH	SHANK	PART #
1/2"	1/2"	1/4"	43000
3/4"	1"	1/4"	43001
1"	1"	1/4"	43002
1 1/2"	1 1/2"	1/4"	43003
2"	1 1/2"	1/4"	43005

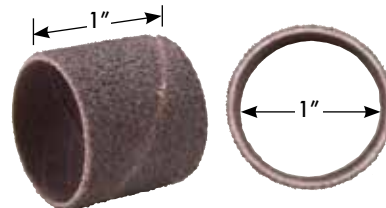
* This item is not available for quantity pricing.

Spiral Sanding Bands – 1/2"



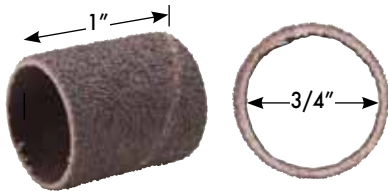
GRIT	PART #
36	43151
60	43154
80	43155
120	43157
150	43158

Spiral Sanding Bands – 1"



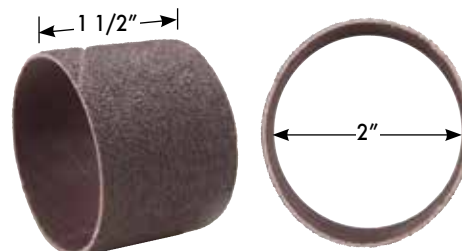
GRIT	PART #
36	43175
60	43178
80	43179
120	43181
150	43182

Spiral Sanding Bands – 3/4"



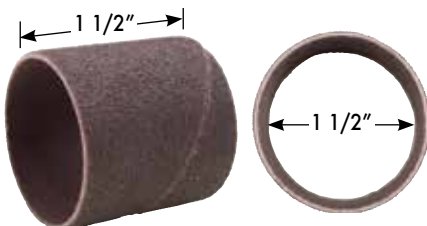
GRIT	PART #
36	43163
60	43166
80	43167
120	43169
150	43170

Spiral Sanding Bands – 2"



GRIT	PART #
36	43199
60	43202
80	43203
120	43205
150	43206

Spiral Sanding Bands – 1 1/2"



GRIT	PART #
36	43187
60	43190
80	43191
120	43193
150	43194



YARDSTORE

AIRCRAFT SHEET METAL TOOLS

TOOL ACCESSORIES

Sanding Disc Holders

Disc holders have a 1/4" shaft and feature a hook-and-loop face to hold sanding discs tight.

SIZE	DESCRIPTION	PART #
2"	Disc Holder	13348
3"	Disc Holder	13349



Hook-and-Loop Sanding Discs

The fastest system available for attaching sanding discs. Simply place the disc on the disc holder's hook-and-loop face and go to work. Discs will not slip or fly off and are easily removed without leftover residue on holders. Delivers maximum performance for high-temperature grinding.

2" DIA.	PART #	3" DIA.	PART #
60 Grit	13350	60 Grit	13360
80 Grit	13351	80 Grit	13361
100 Grit	13352	100 Grit	13362
120 Grit	13353	120 Grit	13363
150 Grit	13354	150 Grit	13364
220 Grit	13355	220 Grit	13366



Quantity pricing
available
on 50+ pieces.

Cutoff Wheels

These all-purpose wheels are designed for the arbor above, and can fit most drills and die grinders. They cut a full range of materials while delivering good, consistent cutting speed. For safety and long life, they are made of reinforced aluminum oxide and a cloth checkerboard.

DIAMETER	RPM RATING	THRU HOLE	PART # EA.
2"	30,560	1/4"	12157
3"	25,000	1/4"	12159



Quantity pricing
available
on 50+ pieces.

New Item

Wire Bonding Brushes (3/8" Body)

Wire bonding brushes clean and prepare holes before you rivet, as they'll remove paint, primer, dirt, rust, sealant and grime from around holes. They feature a 3/8" diameter body with a 1/4" shaft and an extremely short fill material (.005 stainless steel wire).

PILOT SIZE	PART #
1/8"	30041
5/32"	30042
3/16"	30043
1/4"	30044



Circle Cutter

Attach this cutter to a drill press or bit brace, set to desired diameter and you have an excellent tool for cutting circles in sheet metal, brass, copper, soft steel, aluminum, plastic, wood and composite materials. Includes Allen wrench and 1/4" diameter high-speed drill bit.

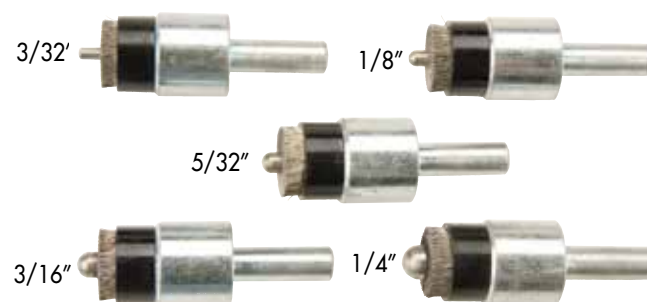
Capable of sizes from 1" to 6".
Maximum safe speed is 500 RPM.

- Size: 6"
- Range: 1"-6"
- Shank: 3/8" round
- Made in USA

Do not use with a hand-held power drill.



Part #14302



Wire Bonding Brushes (1/2" Body)

Wire bonding brushes clean and prepare holes before you rivet, as they'll remove paint, primer, dirt, rust, sealant and grime from around holes. They feature a 1/2" diameter body with a 1/4" shaft and an extremely short fill material (.005 stainless steel wire).

PILOT SIZE	PART #
3/32"	17250
1/8"	17251
5/32"	17252
3/16"	17253
1/4"	17254
5-Piece Set*	17255

*FOD box not included

Wire Bonding Brushes Kit (1/2" Body)

KIT INCLUDES:

- 1 each bonding brush: 3/32", 1/8", 5/32", 3/16" and 1/4"
- Storage box - FOD style

Part #76115



ROTARY FILES

CARBIDE ROTARY FILES 1/4" SHANK

With our wide variety of shapes and sizes of carbide rotary files, you'll be able to deburr and smooth metal in all kinds of locations. Each file has a 1/4" shank and is double-cut (self-cleaning) for faster cutting and less chip build-up.

Cylindrical Carbide Rotary Files

STYLE	DIA. OF CUT	LENGTH OF CUT	PART #
CYLINDRICAL			
(SB-1)	1/4"	5/8"	14355
(SB-2)	5/16"	3/4"	14354
(SB-3)	3/8"	3/4"	14134
(SB-4)	7/16"	1"	14356
(SB-5)	1/2"	1"	14126
(SB-6)	5/8"	1"	14357
(SB-7)	3/4"	1"	14137
(SB-9)	1"	1"	14108



SB-9

Cylindrical Radius End Carbide Rotary Files

STYLE	DIA. OF CUT	LENGTH OF CUT	PART #
CYLINDRICAL RADIUS END			
(SC-1)	1/4"	5/8"	14361
(SC-3)	3/8"	3/4"	14362
(SC-5)	1/2"	1"	14131



SC-5

Round Ball Carbide Rotary Files

STYLE	DIA. OF CUT	LENGTH OF CUT	PART #
ROUND BALL			
(SD-1)	1/4"	7/32"	14359
(SD-3)	3/8"	5/16"	14360
(SD-5)	1/2"	7/16"	14127



SD-5

Radius End Tree Carbide Rotary File

STYLE	DIA. OF CUT	LENGTH OF CUT	PART #
RADIUS END TREE			
(SF-5)	1/2"	1"	14372



SF-5

Pointed Tree Carbide Rotary File

STYLE	DIA. OF CUT	LENGTH OF CUT	PART #
POINTED TREE			
(SG-5)	1/2"	1"	14129



SG-5

Tapered Radius End Rotary File

STYLE	DIA. OF CUT	LENGTH OF CUT	PART #
TAPERED RADIUS END			
(SL-3)	3/8"	1"	14370
(SL-5)	5/8"	1 3/16"	14368



SL-3

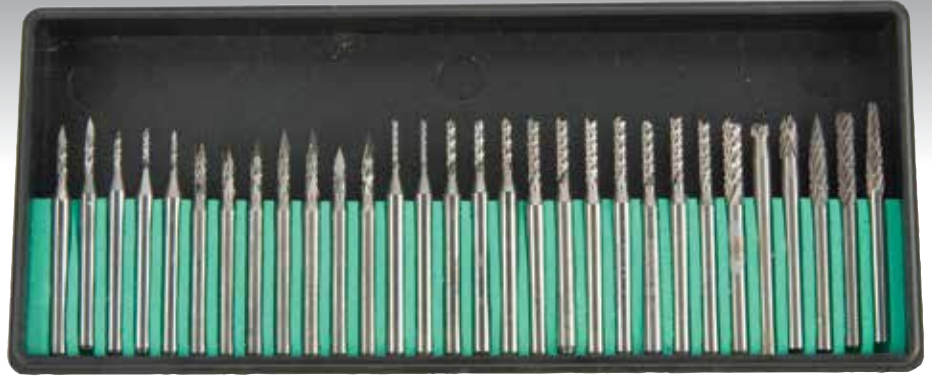
ROTARY FILES

30-Piece

Carbide Rotary File Set

This 30-piece, 1/8" carbide burr set is excellent for carving, grinding, shaping and deburring. Assorted shapes and sizes.

Part #14109



20-Piece Diamond Rotary File Set

Files are diamond mounted (class 3), chrome-plated and have 1/8" shanks to fit drills and grinding tools. Excellent for working with aluminum, plastics and many other materials.

Part #14097



YARDSTORE

• AIRCRAFT SHEET METAL TOOLS •

8-Piece Carbide Rotary File Sets

Choose from either 1/8" or 1/4" shanks. Each set includes: 4 cylindrical files, 2 cone files, 2 ball files (all double-cut) and a storage case.

1/8" Shaft File Set

- Recommended Maximum RPM: 20,000

Part #14122



1/4" Shaft File Set

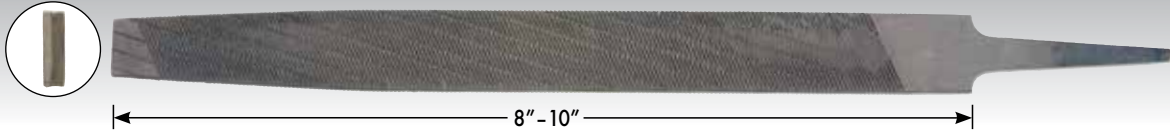
- Recommended Maximum RPM: 15,000

Part #14121

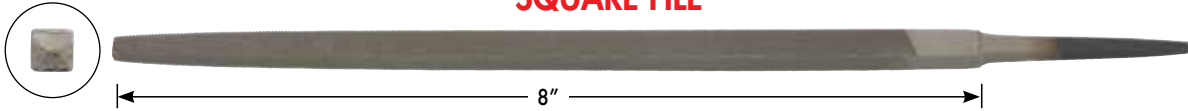


AIRCRAFT QUALITY FILES

FLAT FILES



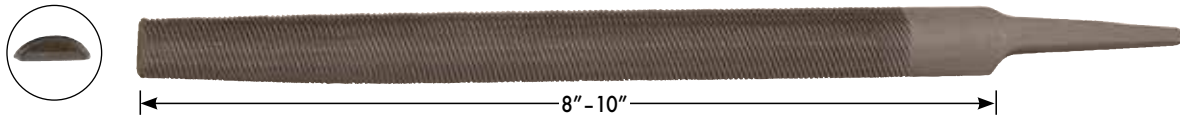
SQUARE FILE



TRIANGULAR FILE



HALF ROUND FILES



ROUND FILES



DESCRIPTION	PART #
8" flat file, second cut with tang	88104
8" flat file, smooth cut with tang	88105
10" flat file, second cut with tang	88106
10" flat file, smooth cut with tang	88107
10" flat file, straight tooth with tang	13998
*8" square file, second cut with tang	88136
*6" triangular file, smooth cut with tang	88137
8" half round file, second cut with tang	88114
8" half round file, smooth cut with tang	88115

*New Item

DESCRIPTION	PART #
10" half round file, second cut with tang	88116
10" half round file, smooth cut with tang	88117
10" half round file, double cut with tang	14243
*4" round file, second cut with tang	14252
*4" round file, smooth cut with tang	88134
*6" round file, second cut with tang	14263
*6" round file, smooth cut with tang	88135
8" round file, smooth cut with tang	88125
8" round file, second cut with tang	88124

*New Item



YARDSTORE

• AIRCRAFT SHEET METAL TOOLS •

FILES & ACCESSORIES

10" x 22 t.p.i. milled straight tooth, flat with tang

Part # 13998



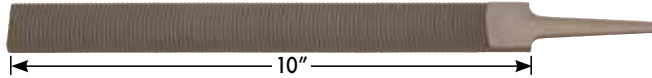
8" x 10 t.p.i. milled curved tooth, flat with tang

Part # 13995



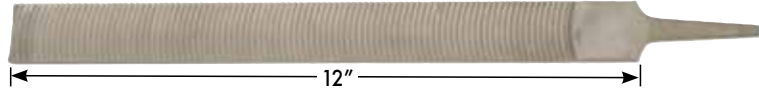
10" x 12 t.p.i. milled curved tooth, flat with tang

Part # 13994



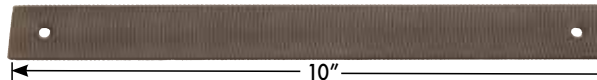
12" x 10 t.p.i. milled curved tooth, flat with tang

Part # 14234



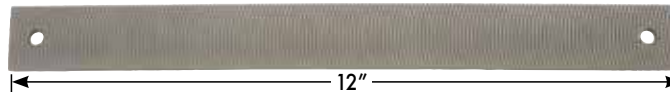
10" x 14 t.p.i. milled curved tooth, flat without tang

Part # 14239



12" x 10 t.p.i. milled curved tooth, flat without tang

Part # 14240



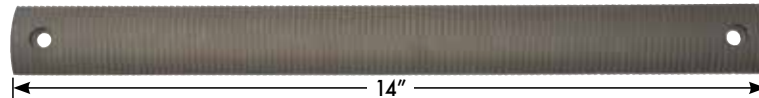
14" x 9 t.p.i. milled curved tooth, flat without tang

Part # 14241



14" x 9 t.p.i. milled straight tooth, half round without tang

Part # 14253



Vixen Files

Needle File Set (10-Piece)

These popular hand-held precision files are ideal for aircraft, automotive, crafts, hobbies and other applications. Short length and narrow design allow precision filing in hard-to-reach areas on aluminum steel, wood, or plastic.

Part #14254

- Constructed of hardened & tempered, high-carbon steel
- Precision milled teeth
- Overall length: 5 1/2"



File Board

Quickly and efficiently cleans shavings from hand (vixen) files for better filing. **Made in USA.**

Part #14710



File Board with Brush

Quickly and efficiently cleans shavings from hand (vixen) files for increased cutting capabilities. Use the poly-propylene bristles on reverse side for more detailed cleaning. **Made in USA.**

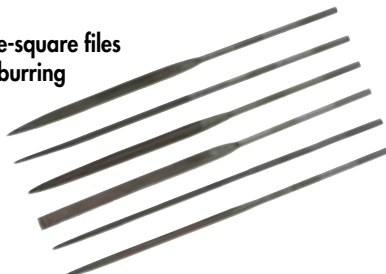
Part #14711



Simonds® Needle File Set (6-Piece)

- Includes flat, half round, square, round, equaling and three-square files
- Double-cut, grade 2 teeth for finishing, sharpening and deburring
- Overall length: 6 1/4"
- Knurled round handles for grip
- Vinyl storage sleeve included

Part #14258



Vixen File on Palm Block

Handy tool for those small areas.

- 3" x 12 t.p.i. milled curved tooth

Part #14261

RIVET TREYS & CABLE TIE GUN

THE CLEAR CHOICE!

The First Clear Parts TREY Designed for Aircraft Use!

Look, find, identify and retrieve the fastener you need faster and easier than ever before.

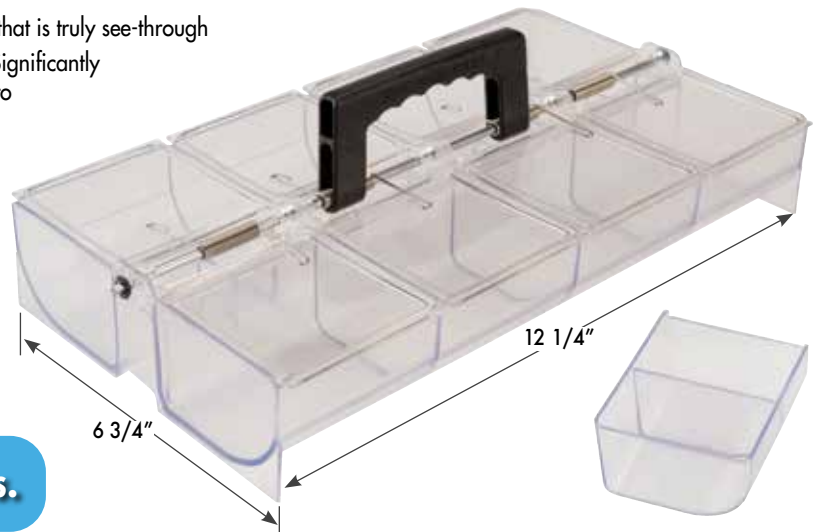
The Clear TREY

Years of development seeking a clear aircraft-quality rivet TREY that is truly see-through have finally been successful and The Yard Store has them in stock! Significantly reduce time trying to find a rivet or other hardware with the ability to quickly look at what is inside each compartment.

- Length: 12 1/4" • Width: 6 3/4"
- Height: 2 1/4", with handle in lowered position 3"

No more labeling! No more guessing!

DESCRIPTION	PART #
TREY	30020
Insert/divider	30021



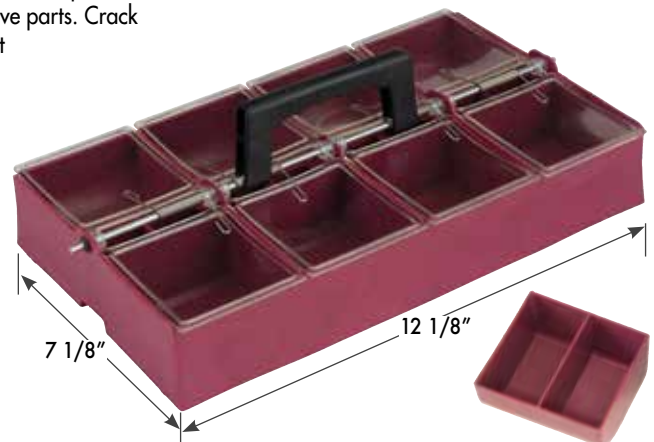
Quantity pricing available on 10+ pieces.

The Extreme Rivet TREY

Need the best, most versatile TREYs to store rivets or other fasteners? Molded from thermo plastic rubber, this is the TREY you're looking for, with curved bin bottoms that make it easier to remove parts. Crack and chemical resistant, the eight-bin TREY has clear plastic spring-loaded lids that shut automatically. Increase its versatility by adding inserts that divide each bin. Folding handle makes TREY stackable. TREYs are reddish in color.

- Length: 12 1/8" • Width: 7 1/8"
- Height: 2 1/4", with handle in lowered position 3"

DESCRIPTION	PART #
TREY	14299
Insert/divider	14298



Quantity pricing available on 10+ pieces.

Cable Tie Gun

This tie wrap gun features an adjustable tension control that allows you to adjust the gun to the size of the tie, enabling use of a wide variety of tie styles. Ties are cut flush so ends won't damage nearby components.

- Durable die-cast steel construction
- Cable tie thickness up to 1.3mm (.051181")
- Cable tie width up to 4.6mm (.181102")

Part #50167



ACID BRUSHES & TWEEZERS

Acid Brushes

Brushes feature a tin-plated steel handle with medium-fine horsehair bristles. 3/8" brush width and 6" overall length. Use for putting flux down to solder and a host of other uses.

QTY.	PART #
12 Pkg.	14715
144 Pkg.	14716



6 1/2" Tweezers

These tweezers are a "self-closing" or "negative-style" design. They have narrow serrated jaws with tapered, blunt tips. Made of stainless steel with wooden handles. Choose from straight or curved jaws.

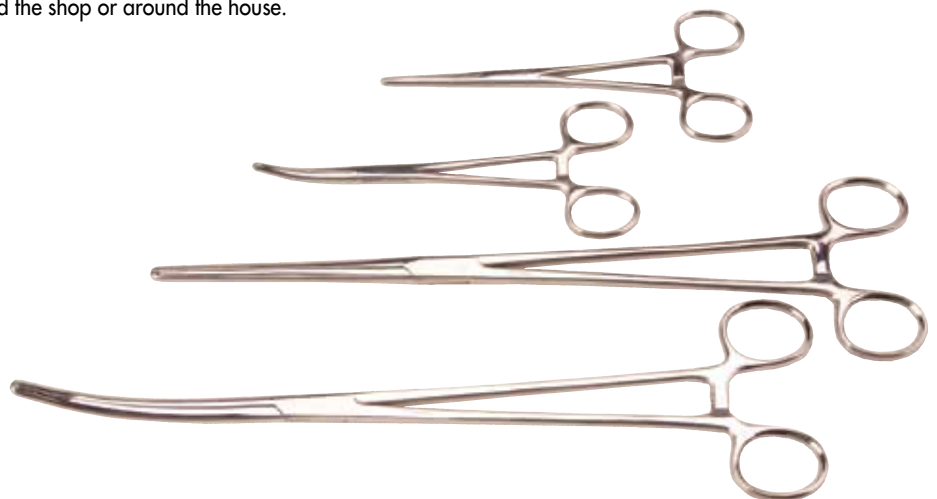
DESCRIPTION	PART #
6 1/2" straight	16652
6 1/2" curved	16653



6" & 12" Hemostats

Our straight and curved hemostats have narrow serrated jaws with tapered, rounded tips. A ratchet mechanism between the handles holds the jaws locked closed. Push the handles together and then slightly apart to release. These tools have countless uses around the shop or around the house.

DESCRIPTION	PART #
6" straight	14022
6" curved	14021
12" straight	14058
12" curved	14057
4-Piece set	16651

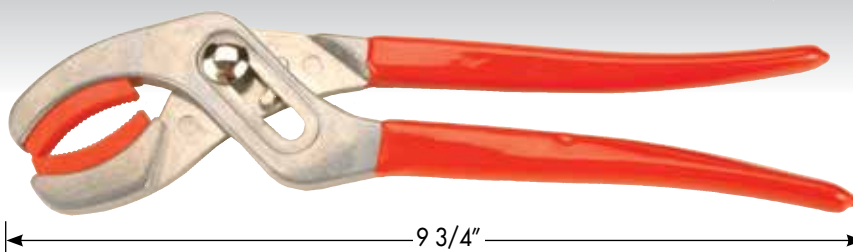


PLIERS & LOCKING PLIERS

Aircraft Quality Canon Plug Pliers

Sure-grabbing pliers make installing and removing electrical connectors easier and safer. The slip-joint designed handles and serrated, replaceable plastic jaws get a sure hold on smooth, serrated or oily surfaces, eliminating damage to connector lock rings.

Part #14034



**2-Piece Canon Plug
Replacement Jaws Inserts**

Part #14200

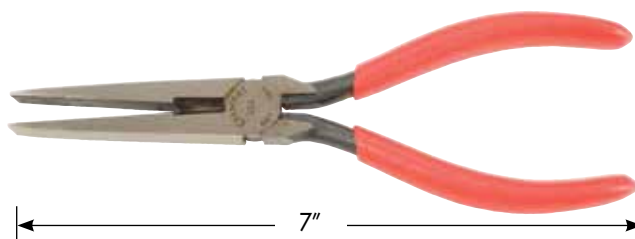


Duck Bill Pliers

Crescent® brand pliers feature serrated jaws and wire cutter.

- Length: 7"
- Rubber grips
- Made in USA

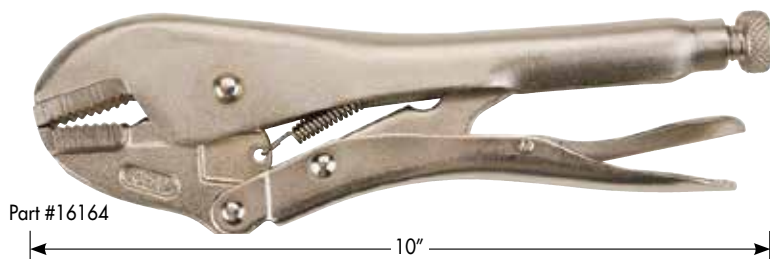
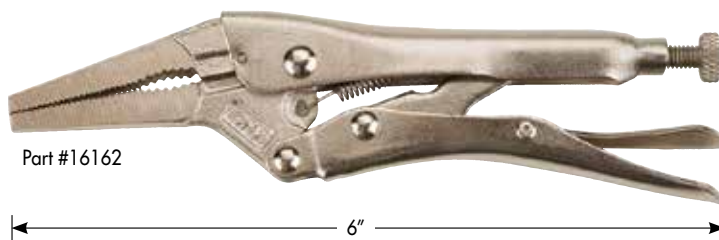
Part #14381



Aircraft Quality Locking Pliers

- Ideal for tightening, clamping, twisting and turning.
- Guarded release trigger protects from accidental unlocking.
- Pressure screw easily adjusts to fit work.
- Pliers may vary slightly from photos.

SIZE	JAW ADJUSTMENT	PART #
6"	0 - 2 1/4"	16162
7"	0 - 1 5/8"	16163
10"	0 - 1 7/8"	16164



YARDSTORE

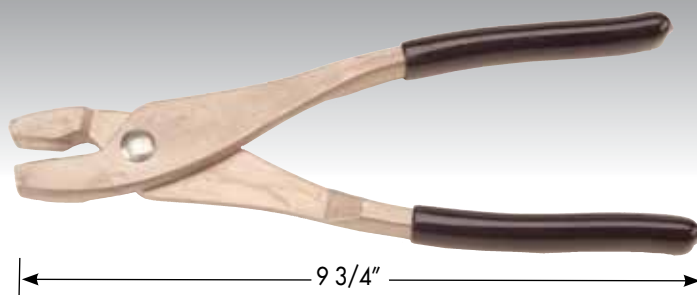
AIRCRAFT SHEET METAL TOOLS

PLIERS

Fluting Pliers

Narrow-type fluting pliers can straighten rib flanges and form curved stringers. This tool makes narrow and precise flutes in sheet metal. They feature cushioned hand grips.

Part #14410



Long Reach Pliers

When space is at a minimum and you need an extra long reach, these 11" needle-nose pliers are just the tool you need. Their strong, serrated jaws provide superior gripping strength.

ITEM	PART #
Straight	14872
45° angle	14873
90° angle	14874
3-Piece set	14877



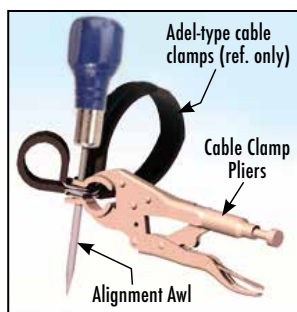
**Improved
quality construction.**

Cushioned Clamp Installation Pliers

The special pliers simplify the installation of single or multiple Adel-type cushioned clamps. Slide the awl through the holes, tighten and lock the pliers to hold the aligned clamps in position, and then install the securing hardware.

- Kit includes: pliers, alignment awl and easy-to-follow instructions

Part #50104



Camloc Pliers

Used for installing Camloc fasteners in the 2600, 2700 and 4002 stud series.

Part #14400



PLIERS & SIDE CUTTERS

Bahco Flush Side Cutting Pliers

- Model: 2101PG-7
- Full flush cutting edge designed to smoothly cut all kinds of plastic parts. This is the preferred edge in aircraft work.
- Screw joint allows accurate alignment of the cutting edges
- Equipped with return spring feature, an on/off function
- Comfortable, ergonomic handle
- Overall length: 6 1/4"
- Jaw length: 3/4"

Part #50497



Bahco brand tools are a division of Snap-On®.

Flush Cutter Shear

Assemblers will love the effortless shearing action, comfort and safety of these wire-cutting shears. Their thin profile allows access to hard-to-reach areas. Job-friendly features include cushioned handles to ensure daylong comfort and automatic spring back to original position after each use.

- Ergonomically designed
- Requires 50% less operator effort
- Cuts component leads as large as 18 AWG copper wire (.040"/1.0mm)
- Reduces operator fatigue
- Weight: 1.8 oz.
- Length: 5.15"

Part #50195



Tie Wire Tool

Use this tool to drill safety wire holes in nuts and bolts. This simple fixture serves two functions: cross drill for tie wire or cross drill for cotter pins. Use in a horizontal or vertical position.

- Guides for drilling holes in three sizes: 1/16", 3/32", 1/8"
- Holds nuts and bolts from 3/8" to 1 1/8" hex

Part #13955



* Nut not included

KNIPPEX PLIERS

Knipex Alligator® Water Pump Pliers

- Model 8801250
- Jaw opening adjustable up to 2".
- 9-notch adjustment positioning for 30% more gripping capacity.
- Box-joint design: high stability because of double guide.
- Good access to the work piece due to slim size in the head and joint area.
- Handles have a non-slip plastic coating.

Part #21508



Knipex 8" High Leverage Diagonal Cutters

- Model 7401200
- Plastic coated handles.
- 20% less effort required compared to conventional diagonal cutters of the same length.
- For very tough, continuous use.
- High cutting performance with minimum effort due to optimum co-ordination of the cutting edge angle, transmission ratio and ergonomic handle shape.
- Chrome vanadium heavy-duty steel, forged, oil-hardened.

Part #21502



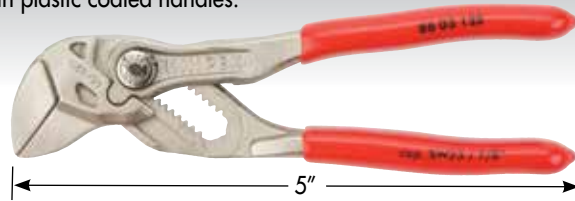
KNIPEX PLIERS

Our Knipex Smooth Jaw Pliers are ideal multi-purpose wrenches for precision work. Their push button adjustment and reliable catching of the hinge bolt allows no unintentional shifting. Parallel jaws allow Infinitely Variable Gripping of all widths making it excellent for gripping, holding, pressing and bending materials. All of these pliers come with plastic coated handles.

Knipex 5" Smooth Jaw Pliers

- Model 8603125 • Jaw opening adjustable up to 7/8".

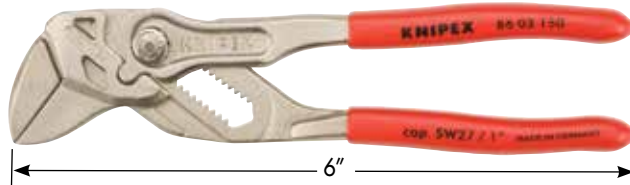
Part #21510



Knipex 6" Smooth Jaw Pliers

- Model 8603150 • Jaw opening adjustable up to 1".

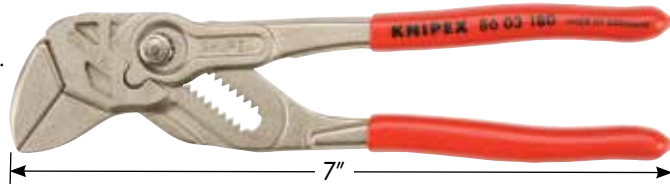
Part #21503



Knipex 7" Smooth Jaw Pliers

- Model 8603180 • Jaw opening adjustable up to 1 3/8".

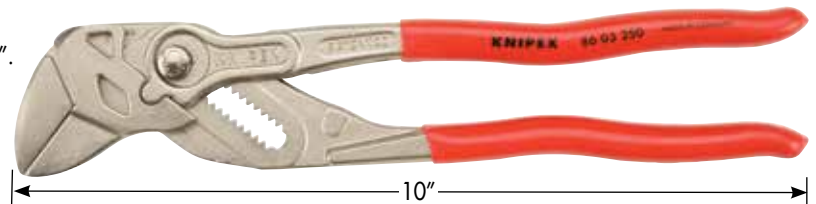
Part #21504



Knipex 10" Smooth Jaw Pliers

- Model 8603250 • Jaw opening adjustable up to 1 3/4".

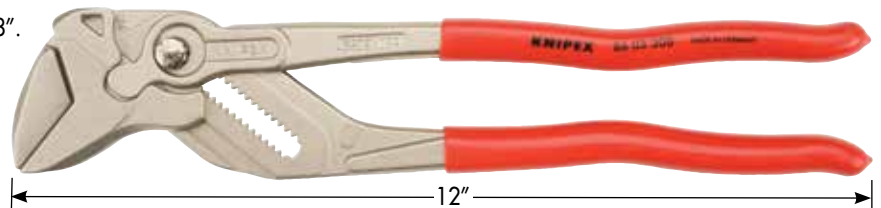
Part #21505



Knipex 12" Smooth Jaw Pliers

- Model 8603300 • Jaw opening adjustable up to 2 3/8".

Part #21506



3-Piece Knipex Pliers Set

Set includes: One each of 21504, 21505 & 21506

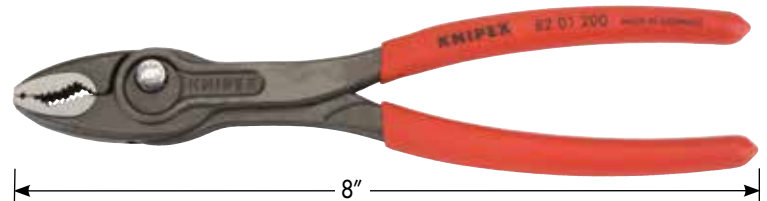
Part #21511

New Item

Knipex 8" Twin Grip Slip Joint Pliers

- Model: 82 01 200
- Unique combination: Front grip and side grip function, box joint, push button adjustment
- Very slim pliers let you work even in confined installation spaces with a narrow turning zone for fast results
- High-grip front jaw with robust teeth and high gear ratio at the tip of the mouth
- Large front and side gripping capacity for diameters and widths across flats 4 - 22 millimeters
- Reliable front gripping of flat workpieces due to the three-point system

Part #21512



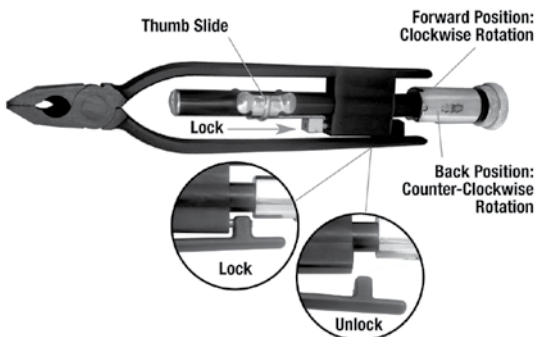
- Gripping, tightening and loosening screws with worn heads and threads
- Five-way adjustable slip joint with push button adjustment
- Pinch stop reduces the risk of crushed fingers

SAFETY-WIRE PLIERS

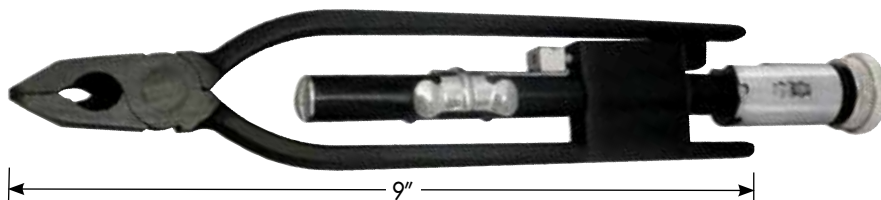
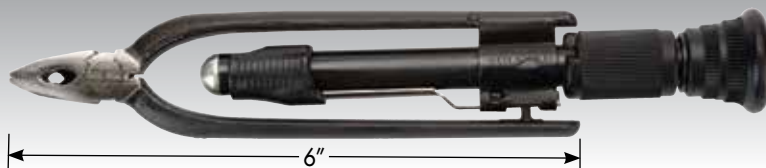
Safety-Wire Pliers - Reversible

This is the tool you need to fasten wire quickly and easily. With this new design, the pliers stay locked, even if you drop them. Features a durable cutting edge and an ergonomic thumb slide.

- Reversible



SIZE	PART #
6"	14004
9"	14005



Safety-Wire Pliers (Economy) - Reversible

A great inexpensive alternative to our premium reversible pliers above. Diagonal nose configuration and automatic spring return.

SIZE	PART #
6"	13952

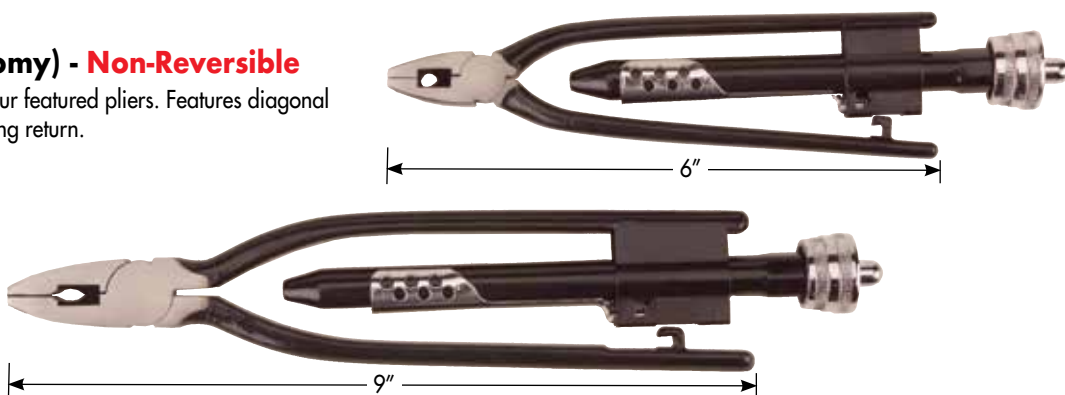


Safety-Wire Pliers (Economy) - Non-Reversible

A great inexpensive alternative to our featured pliers. Features diagonal nose configuration and automatic spring return.

- Nonreversible

SIZE	PART #
6"	13999
9"	13997

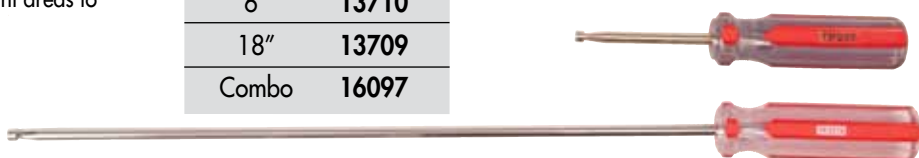


Manual Safety-Wire Twisters

Excellent tool for getting into those hard-to-reach, tight areas to fasten wire.

- Twists up to .060 wire

SIZE	PART #
6"	13710
18"	13709
Combo	16097



Aircraft-style Safety-Wire

Stainless steel wire comes in three sizes, each in convenient 1 lb. dispensing package.

SIZE	LENGTH	PART #
.020	840 ft.	17202
.032	362 ft.	17200
.041	221 ft.	17201



PICK-UPS & MIRRORS

Magnetic Pick-up Tool

Long and powerful! This tool, which extends up to 32", can lift up to 8 lbs. Pocket clip included.

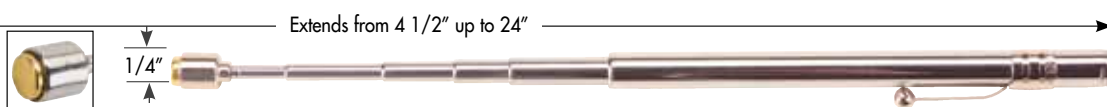
Part #14900



Magnetic Pick-up Tool

This slim pickup tool has a neodymium magnet (gold tip) that can lift up to 2 lbs., which is 6 times more than cobalt magnets of equal size. Its 4 1/2" chrome-plated body extends to 24". Pocket clip included.

Part #14899

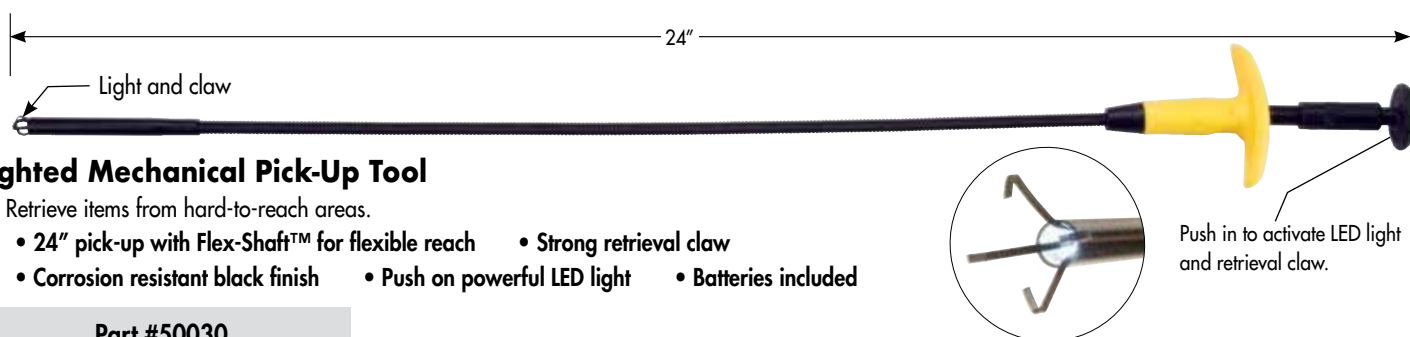


Lighted Mechanical Pick-Up Tool

Retrieve items from hard-to-reach areas.

- 24" pick-up with Flex-Shaft™ for flexible reach
- Strong retrieval claw
- Corrosion resistant black finish
- Push on powerful LED light
- Batteries included

Part #50030



Inspection Mirrors

Check out all kinds of work with these mirrors. Mirrors are fastened to a handle with a double ball joint and wing nut that allows adjustments to any angle. Vinyl cushion grip ensures operator a good hold.

New Item

Round Replacement Mirror

Part #14588



STYLE	MIRROR SIZE	EXTENSION LENGTH	PART #
Round	2 1/4" diameter	15"	14086
Rectangular	2" x 3 1/4"	16"	14087

LED Rectangle Inspection Mirror

Mirror is fastened to a handle with double ball joint and nut that allows adjustments to any angle.

- Mirror size: 2" x 2 3/4"
- On/Off switch on back of mirror
- Extension Length: 11" up to 30"
- LED light swivels for exact lighting angle
- 6 lumens

Part #14589

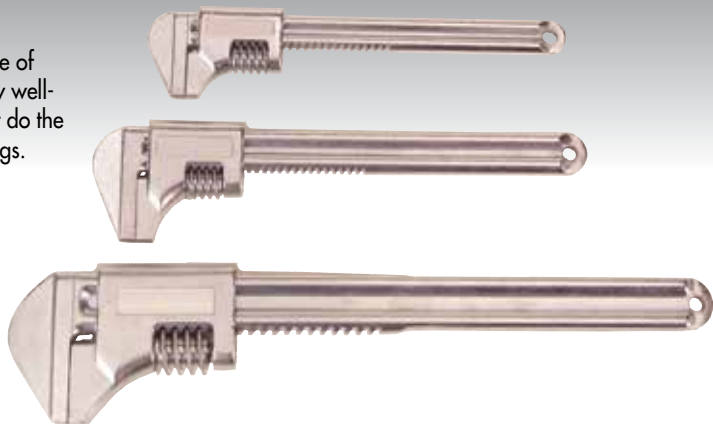


WRENCHES

Ford Wrenches

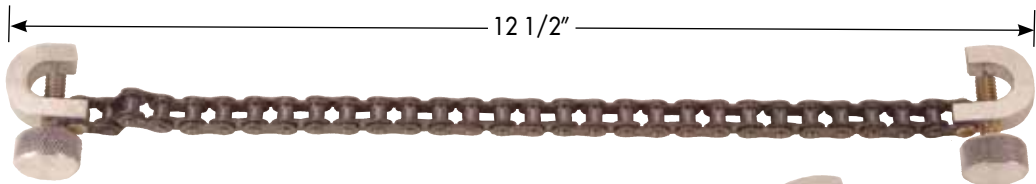
The original monkey wrench. These hard-to-find 90-degree wrenches, made of precision-machined and chrome-plated steel, are a multipurpose addition to any well-equipped toolbox and can be the tool for tight spots where other wrenches can't do the job. Three sizes: 9", 11" and 15" with 2 3/4", 3 1/4" and 3 3/4" jaw openings.

ITEM	JAW OPENING	PART #
9"	2 3/4"	14214
11"	3 1/4"	14216
15"	3 3/4"	14218
3-Piece set		14224



Turnbuckle Wrench and Chain

An absolute must when rigging aircraft cables. This tool saves time and lets you adjust turnbuckles without the need for an extra hand. The 2" diameter turnbuckle wrench easily rotates the turnbuckle while the chain tool holds the cable ends in precise alignment and prevents them from rotating. Works on all 1/16" to 1/4" cables having MS thimbles or equivalent on any size aircraft. Made of anodized aluminum, with holding pins of steel.



DESCRIPTION	PART #
Turnbuckle wrench tool	50081
Turnbuckle chain tool	50082
Turnbuckle wrench w/chain	50083

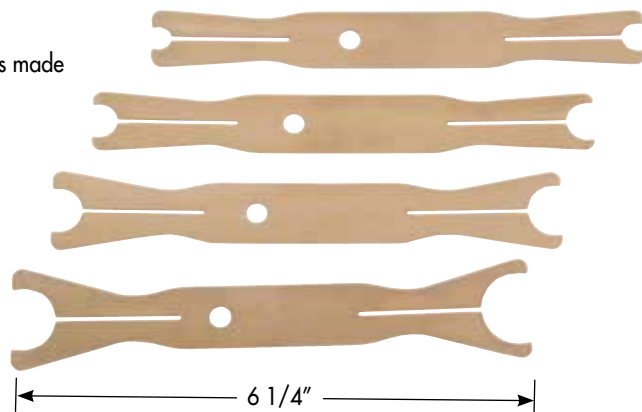


Washer Wrench Set

Slip washers into hard-to-reach areas with ease with these thin (.042 thick) wrenches made from 301 stainless steel. Four-piece set holds 8 sizes of "AN" washers.

- Set includes all 4 pieces.

Part #50199



Crowfoot Wrench Set

Attach one of these open-ended crowfoot wrenches to a 3/8" drive ratchet or extension and you'll be able to remove or install hard-to-reach fasteners and hydraulic lines.

- 10 pieces, 3/8" drive
- SAE 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8" and 1"
- Complete with 10-clip wrench organizer
- Chrome-plated
- Drop-forged and heat-treated

Part #50240



Williams Crowfoot Wrench

Attach one of these open-ended crowfoot wrenches to a 3/8" drive ratchet or extension to remove or install hard-to-reach fasteners.

- 3/8" drive
- Chrome-plated
- Drop-forged and heat-treated

SIZE	PART #
1 1/4"	50245
1 1/2"	50246



Williams brand tools are a division of Snap-On®.

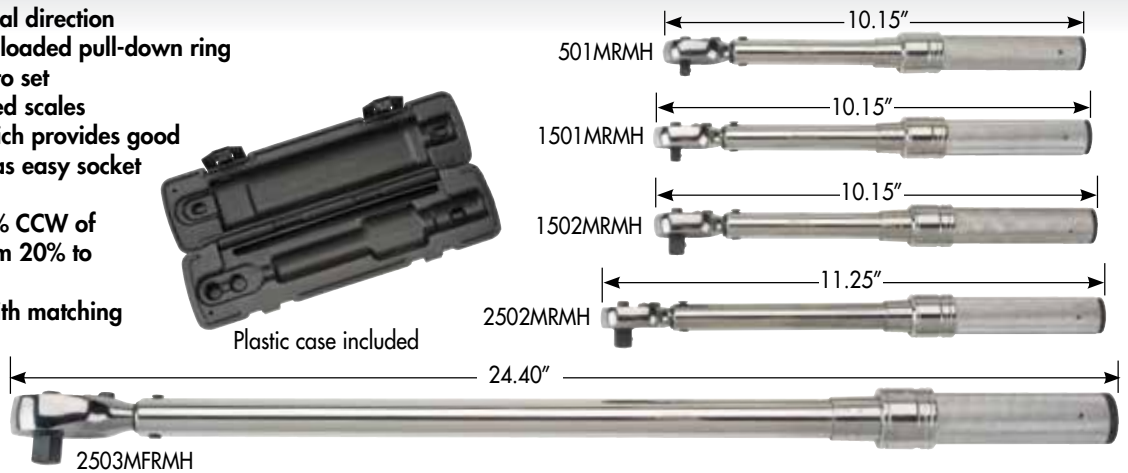
WRENCHES

CDI Torque Wrenches

These industrial strength, micrometer adjustable torque wrenches are top of the line. They feature a dual scale (English and Nm) and a lightly knurled metal handle for a tough, non-slip grip. **Made in USA.**

Features:

- Dual scale, calibrated dual direction
- Positive lock with spring-loaded pull-down ring
- Fast, accurate and easy to set
- Easy-to-read laser marked scales
- Quick release button which provides good socket retention as well as easy socket removal
- Accuracy: $\pm 4\%$ CW $\pm 6\%$ CCW of indicated value, CW, from 20% to 100% of full scale
- Individually serialized with matching certificate of calibration traceable to N.I.S.T.
- Plastic case included
- CDI brand tools are a division of Snap-On®



PRODUCT CODE	DRIVE SIZE	ENGLISH RANGE	INCREMENT	NM RANGE	INCREMENT	OVERALL LENGTH	WEIGHT	PART #
501MRMH	1/4"	10-50 in. lb.	0.5	1.4-5.4 Nm	0.5	10.15"	.85 lbs.	36100
1501MRMH	1/4"	20-150 in. lb.	0.5	2.8-15.3 Nm	0.12	10.15"	.90 lbs.	36101
1502MRMH	3/8"	20-150 in. lb.	1	2.8-15.3 Nm	0.12	10.15"	.90 lbs.	36102
2502MRMH	3/8"	30-250 in. lb.	1	4.0-27.7 Nm	0.12	11.25"	.95 lbs.	36104
2503MFRMH	1/2"	30-250 ft. lb.	1	47-332 Nm	1.4	24.40"	3.15 lbs.	36105

8-Piece, 12pt. Williams Reversible **Ratcheting** Combination Wrench Set

- Model: WS-1168RC
- Kit includes: 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16" and 3/4" wrenches
- Premium 12-point box end provides maximum versatility
- Ratchet lever is easily accessible for quick direction changes
- High-polished chrome finish

Part #21020

Williams brand tools are a division of Snap-On®.



9-Piece, 12pt. Williams Combination Wrench Set

These 12 point, SAE, satin chrome finish wrenches come in a convenient vinyl pouch. The longer length of the wrenches provides more leverage and reach. The 15° offset box end provides for better knuckle clearance. May also be used on all common hex (6 point) fasteners with considerable advantage over conventional box end wrenches to increase both hand tool flexibility and economy. Box and open end openings are identical.

- Kit includes: 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16" and 3/4" wrenches.
- Vinyl pouch included

Part #21002



12 POINT SOCKET SETS

Williams 1/4" Drive

12pt. Socket Set (27-Piece)

Our Williams (a Snap-On® owned company) 12-point sockets are standard depth and feature the easy-to-attach advantage of 12-points. Packaged in a heavy-duty plastic case with handle for easy carrying and FOD accountability.

- Williams part #50672

KIT INCLUDES:

- 1/4" drive ratchet
- 1/4" drive spinner handle
- 1 1/2" long, 1/4" drive extension
- 3/16", 7/32", 1/4", 9/32", 5/16", 11/32", 3/8", 7/16", 1/2", 9/16" sockets
- 4mm, 5mm, 5.5mm, 6mm, 7mm, 8mm, 9mm, 10mm, 11mm, 12mm, 13mm, 14mm sockets
- 6" long, 1/4" drive extension
- 1/4" drive universal joint

Part #20100

Williams brand tools are a division of Snap-On®.



Williams 3/8" Drive

12pt. Socket Set (15-Piece)

Our Williams (a Snap-On® owned company) 12-point sockets are standard depth and feature the easy-to-attach advantage of 12-points. Packaged in a heavy-duty plastic case with handle for easy carrying and FOD accountability.

- Williams part #50673

Kit includes:

- 3/8" drive ratchet
- 3" long, 3/8" drive extension
- 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8" sockets
- 6" long, 3/8" drive extension
- 3/8" drive universal joint

Part #20200



Benefits of 12pt. sockets:

- Makes "getting on" a bolt far easier by giving the socket and bolt 6 more chances to meet up.
- There are 12pt. fasteners available which can only be turned using the 12pt. socket.
- The ability to fit a square bolt (a bolt with a square or 4 sided head).

For individual socket extensions and accessories, go to www.yardstore.com

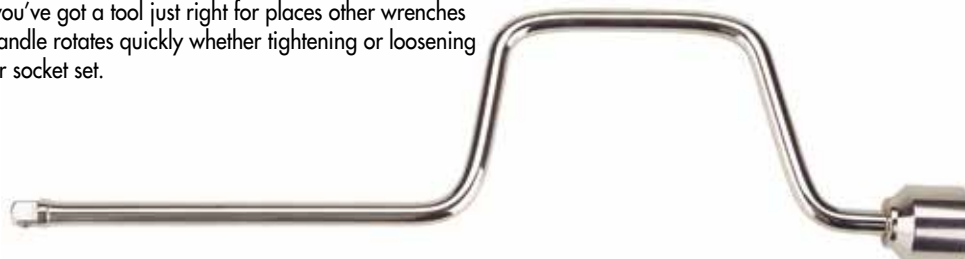
SPEED HANDLE

Speed Handle

Fit a socket to the speed handle's drive and you've got a tool just right for places other wrenches can't reach. With its spinning grip, the speed handle rotates quickly whether tightening or loosening a nut or bolt. A good addition to any toolbox or socket set.

- Size: 3/8"
- Length: 15 3/8"

Part #14217



Bit holders sold separately on pages 138 and 147.

HI-LOK® & ROLLER RATCHETS

3/8" Hi-Lok® Ratchet

Used to manually install and remove Hi-Lok® and Hi-Lite® fasteners. A hole through the head permits an Allen wrench to hold the pin still while the ratchet attaches or removes the collar. All-steel construction.

- Made in USA

Part #13990



1/4" Hi-Lok® Ratchet

A cost-effective way to own a Hi-Lok® ratchet that can manually install and remove Hi-Lok® and Hi-Lite® fasteners. A hole through the head allows an Allen wrench to hold the pin still while the ratchet attaches or removes the collar. Ratchet has a durable, plastic handle.

Part #14002



1/4" Hi-Lok® Ratchet with Adjustable Flex Head

Used to manually install and remove Hi-Lok® and Hi-Lite® fasteners. The head is adjustable forwards and backwards to control installation angle. A hole through the head permits an Allen wrench to hold the pin still while the ratchet attaches or removes the collar.

- Made in USA

Part #13986



1/4" Hi-Lok® Ratchet

Use this ratchet to manually install and remove Hi-Lok® and Hi-Lite® fasteners. A hole through the head permits an Allen wrench to hold the pin still while the ratchet attaches or removes the collar. All-steel construction.

- Made in USA

Part #14003

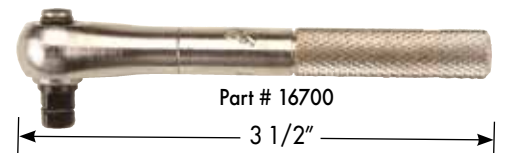


1/4" Roller Ratchets®

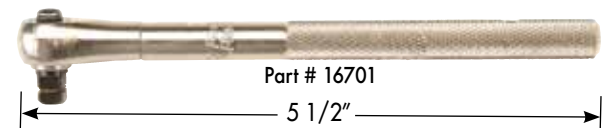
These clutch-driven ratchets used to install and remove Hi-Lok® and Hi-Lite® fasteners are designed for smooth, positive engagement in tight areas. The design permits maximum rotation with minimal handle rotation, resulting in no lost motion as occurs with other ratcheting assemblies. Easily reversible by removing retaining clip and pushing the head through then inserting in opposite side. A hole through the head permits the use of an Allen wrench to hold pins tight.

- Made in USA

DESCRIPTION	MAX TORQUE	PART #
1/4" Roller Ratchet®	150 lb/in	16700
Long-handled 1/4" Roller Ratchet®	150 lb/in	16701
1/4" Roller Ratchet® (Double Bearing)	200 lb/in	16702



Part # 16700



Part # 16701



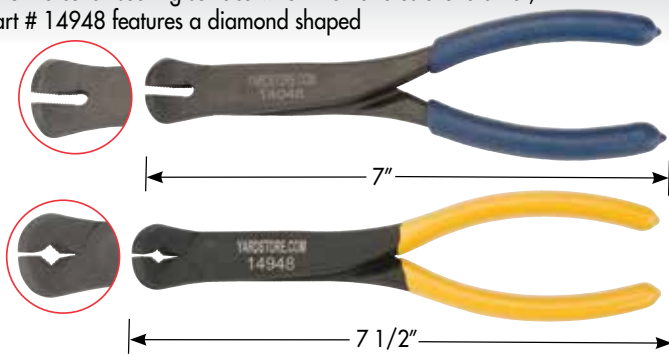
Part # 16702

HI-LOK® TOOLS

Hi-Lok Collar Remover Pliers

Our Hi-Lok® pliers are the best on the market. Choose either the standard collar remover, which has a 30° angle, or our more aggressive remover with about a 60° angle. Both pliers are best suited to remove small collars (for larger collars or steel/titanium collars, check out our Collar Claw® (shown below) or our Savi Sockets® on page 116). Part # 14048 jaw serrations are perpendicular to the collar seating surface when the handles are laid flat, but angle at 30° if the flat part of the head is rested on the collar seating surface. Part # 14948 features a diamond shaped jaw which allows the plier to grip from any direction and may be used to remove collars in open access applications. Both feature cushioned hand grips to reduce operator fatigue.

JAW ANGLE	LENGTH	PART #
60°	7"	14048
30°	7 1/2"	14948



Hi-Lok® Collar Removal Wrenches

Slip easily over any threaded collar (Hi-Lok®, Hi-Lite® or Eddie-Bolt®) to quickly unscrew without cutting or prying. Particularly useful for round or damaged collars. Prevents metal shavings, broken pieces and damage to aircraft skins or to the adjacent structure.

MODEL	REMOVAL PIN SIZE	PART #
5-6S	-5 (5/32") or -6 (3/16")	18820
8S	-8 (1/4")	18821



Collar Claw® Collar Removal Plier

This revolutionary plier simplifies work by replacing multiple tools and eliminates "grinding collars to chips" as with conventional plier type tools. Works on all aluminum, steel and titanium collars. Also works on stripped bolt heads, rounded nuts, threaded nuts and a host of other fasteners. Fits over collars from the top like a socket, leaving plenty of clearance between adjacent fasteners and easy access for hex keys when needed.

Features an ergonomic squeeze action that reduces fatigue and delivers gripping power up to 250 in/lb. in removal torque with one hand!

Use with any threaded collar:

• Hi-Lite, Hi-Lok®: -5, -6, -8 • Threaded Huck: -5, -6, -8 • Eddie Bolt: -5, -6, -8, -10



Part #14448

Hi-Lok® Box Ratchets

These ratchets are perfect for installing Hi-Lok® or Hi-Lite® fasteners. All ratchets feature collar-stops.

• Made in USA



Flat Box Ratchets

MODEL	SIZE	PART #
ATBR2125	7/32" x 1/4"	16950
ATBR2528	1/4" x 9/32"	16951
ATBR3134	5/16" x 11/32"	16954
ATBR3137	5/16" x 3/8"	16955
ATBR4350	7/16" x 1/2"	16956



Offset Box Ratchets

MODEL	SIZE	PART #
ATBRO2125	7/32" x 1/4"	16957
ATBRO2528	1/4" x 9/32"	16958
ATBRO3134	5/16" x 11/32"	16961
ATBRO3137	5/16" x 3/8"	16962
ATBRO4350	7/16" x 1/2"	16963

Hi-Lok® Collar Removal Sockets

These sockets are designed to remove aluminum or steel Hi-Lok® collars. This tool, made of steel hardened to Rockwell 50, "bites" the collar for easy removal.

• Made in USA



SIZE	DRIVE SOCKET	PART #
#5 (5/32")	1/4"	16420
#6 (3/16")	1/4"	16421
#8 (1/4")	1/4"	16422
#10 (5/16")	1/4"	16423
4-Piece set	—	16426
#12 (3/8")	3/8"	16427

Hi-Lok® Collar Removal Sockets

Used to remove aluminum or steel Hi-Lok® collars. This tool, made of steel hardened to Rockwell 50, "bites" the collar for easy removal. Designed with a new hex end in order to use with an open end wrench to reach those tight and confined areas. The O-ring on the end will also hold a 6 or 12 point socket.

• New and improved with triple threads for faster, stronger bites.

• Made in USA



SIZE	PART #
#5 (5/32")	16430
#6 (3/16")	16431
#8 (1/4")	16432
#10 (5/16")	16433
4-Piece set	16435

Mini Hi-Lok® Collar Removal Sockets

These specialized sockets are used for the removal of aluminum or steel Hi-Lok® or Hi-Lite® collars. Utilizing revolutionary, double start, left handed tapered threads, these sockets bite into the head of the collar and grab for easy removal. Heat treated to Rockwell 50.

• Made in USA (US Patent #5737981)



SIZE	DRIVE SOCKET	PART #
5/32"	1/4"	16442
3/16"	1/4"	16443
1/4"	1/4"	16440
5/16"	1/4"	16441
4-Piece set	—	16445

Hi-Lok® Installation Sockets

Use to install Hi-Lok® fasteners. Attach to any Hi-Lok® ratchet or roller ratchet with a special set screw located in the side of the socket.

• Made in USA



SIZE	DRIVE SOCKET	PART #
5/32"	1/4"	16456
3/16"	1/4"	16457
7/32"	1/4"	16450
1/4"	1/4"	16454
9/32"	1/4"	16455
5/16"	1/4"	16451
11/32"	1/4"	16452
3/8"	1/4"	16453
7/16"	3/8"	16458
9-Piece Set	—	16465

9-Piece Kit

Contains 1 each: Hi-Lok® Installation drive sockets pictured above. Includes rail & clips.

Part #16465

HI-LOK® TOOLS

Tight Squeeze Hi-Lok® Kit

This unique "tight-squeeze" is a full function hand tool for Hi-Lok® fastener installation. This amazing tool does just what the name implies. It gets into tight places, and allows one-handed installation. No more struggling in blind areas, around corners, inside cavities, trying to hold a hex key with one hand and work the ratchet with the other. Interchangeable hex keys and sockets fit an entire range of pin and collar combinations. This model incorporates the Roller Ratchet® gearless ratchet, so it works with extremely limited handle movement. Works on aluminum, steel and titanium collars.

- Includes 7/32", 5/16" and 11/32" sockets; 1/16", 5/64" and 3/32" hex keys.
- Storage box – FOD style included

Part #16720

Replacement Hex Keys

SIZE	PART #
1/16"	16712
5/64"	16713
3/32"	16714

Replacement Sockets

SIZE	PART #
7/32"	16450
5/16"	16451
11/32"	16452



Savi-Socket Hi-Lok® Tools

Savi-Socket is the newest revolution for removing Hi-Lok® threaded collars. It is the first socket to utilize a conical/tapered shape with helical teeth to remove collars. This design firmly draws the socket onto the collar, gripping and removing the collar with minimal effort and wear on the tool. A gentle rocking action of the wrench while the collar is still on the threads releases the collar. Removes most popular collars, dash 5, 6, and 8 (sizes: 5/32", 3/16", and 1/4" diameter collars).

- Made in USA
- 1/4" & 3/8" drive sockets
- Go to our web page for a chart that will help you pick out the socket you need.



Savi-Socket Hi-Lok® Kits

6-Piece Kit

Includes Savi-Socket sizes: #25, #26, #28, #29, #36, and #37.

Part #16750

8-Piece Kit

Includes Savi-Socket sizes: #25, #26, #28, #29, #32, #34, #36, and #37.

Part #16745

X-Large 5-Piece Kit

Includes Savi-Socket sizes: #59, #63, #67, #69, and #75.

Part #16748

Large 6-Piece Kit

Includes Savi-Socket sizes: #43, #45, #50, #51, #55, and #56.

Part #16747

12-Piece Kit

Includes Savi-Socket sizes: #24, #25, #26, #27, #28, #29, #32, #33, #34, #35, #36 and #37.

Part #16746

SIZE	DRIVE SOCKET	PART
#21	1/4"	16751
#24	1/4"	16752
#25	1/4"	16753
#26	1/4"	16754
#27	1/4"	16755
#28	1/4"	16759
#29	1/4"	16756
#32	1/4"	16760
#33	1/4"	16765
#34	1/4"	16761
#35	1/4"	16762

SIZE	DRIVE SOCKET	PART #
#36	1/4"	16757
#37	1/4"	16758
#39	1/4"	16749
#43	3/8"	16763
#45	3/8"	16766
#50	3/8"	16764
#51	3/8"	16767
#55	3/8"	16768
#56	3/8"	16769
#59	3/8"	16770

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HEX-KEY WRENCHES

Williams Ball End Hex Key Set - Long

The ball end advantage is that they turn 360° at up to a 35° angle. 13 pieces (.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").

- SAE
- Made in USA

Part #20331

Williams brand tools
are a division of
Snap-On®.



Williams Standard Hex Key Set - Long

13 pieces (.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")

- SAE
- Made in USA

Part #20330

Williams brand tools
are a division of
Snap-On®.



Williams T-Handle Hex Key 10 Piece Set

These quality Hex T-Keys are the industry standard. They are manufactured from high quality hex steel and treated to resist rust. Each key is hardened, tempered and designed for maximum strength and leverage.

- Length: 6" arm
- Sizes: 3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32", 1/4", 5/16", 3/8"
- Non-Slip comfort grip
- Maximum strength
- Industrial quality
- Maximum torque
- Made in USA

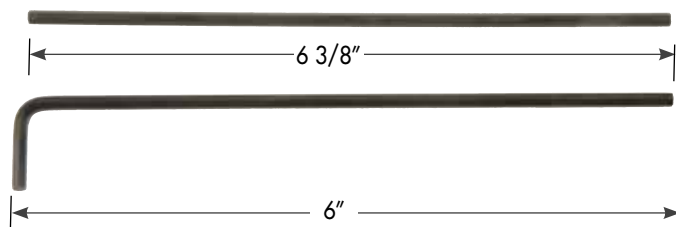
Part #20332



Williams Standard Hex Bit Socket Set

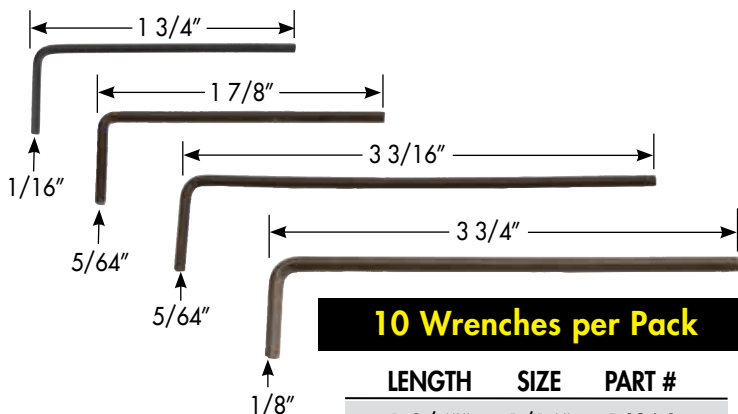
- Williams part WSM-11TRC
- 1/4" Drive Sockets
- Overall Length: 1 1/2"
- 11-piece set includes: 1/16", 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32", 1/4", 5/16"
- Made in USA

Part #20333



Hex Key Wrenches

For use when installing Hi-Lok® fasteners.



10 Wrenches per Pack

LENGTH	SIZE	PART #
1 3/4"	1/16"	14264
1 7/8"	5/64"	14209
3 3/16"	5/64"	14223
3 3/4"	1/8"	14206

SOLD ONLY IN
PACKS OF 10

Hex Key Wrenches

For use when installing Hi-Lok® fasteners. Use with our new Hi-Lok® ejector sockets on page 115.

- 10 Wrenches per Pack

SOLD ONLY IN PACKS OF 10

HEX STYLE	SIZE	LENGTH	PART #
Straight	5/64"	6 3/8"	63605
Straight	3/32"	6 3/8"	63606
Straight	1/8"	6 3/8"	63608
L-Key	5/64"	6"	15305
L-Key	3/32"	6"	15306
L-Key	1/8"	6"	15308

HI-LOK® TOOLS

Zephyr Jo-Bolt Pneumatic Pistol Driver Kit

This 11-piece kit contains everything you need to install 5/32", 3/16" and 1/4" Jo-Bolt, Visu-Lok and Visu-Lok II blind fasteners. This pneumatic driver does the same thing our hand model does except faster.

- Weight: 3.5 lbs.
- Length: 11 1/2"
- **540 RPM**
- .50 horsepower

KIT INCLUDES:

- Zephyr pneumatic pistol model S540MTD
- Grip gauge LFVLG-1
- 3 flush type noses: -5 (PW3652), -6 (PW3002), -8 (PW3602)
- 3 protruding type noses: -5 (PW3652P), -6 (PW3002P), -8 (PW3602P)
- 3 drivers: -5, -6, -8

DESCRIPTION

PART

Zephyr Jo-Bolt Pneumatic Pistol Driver Kit **50526**

Zephyr Pistol Driver Only **50525**



Jo-Bolt/Visu-Lok Hand Installation Kit

This 13 piece kit has everything you need to install 5/32", 3/16" and 1/4" Jo-Bolts in both protruding head and flush styles.

- Model: VLHK-102
- **Made in USA**

KIT INCLUDES:

- Hand ratchet tool and Jo-Bolt HW300
- Grip gauge LFVLG-1
- 3 flush type noses: HW1652, HW2002, HW2602
- 3 protruding type noses: HW1652P, HW2002P, HW2602P
- 3 wrench driver assemblies: HW1651, HW2001, HW2601
- Plastic storage case.

Part #50520



See page 122 for grip gauge (sold separately).

The Superior Our most popular Hi-Lok® Kit

The Superior kit provides these unique tools you need to install and remove Hi-Loks® located in the most difficult-to-access structural areas.

KIT CONTAINS:

- 1/4" drive wrenches (forward and reverse)
- Elbows (20°, 45°, 90°)
- Extenders (1 3/16", 2", 2 1/2")
- Threaded studs (2)
- Threaded caps (2)
- Jam nuts (2) that thread into numerous straight & offset configurations.

Part #10167

This small, lightweight and ergonomic kit comes in a plastic case to tuck into your toolbox or tool drawer. See page 115 for the installation and removal sockets.

- Rating: 40 in. lb.



Hex Key/Hi-Lok® Driver

Use this tool to install Hi-Lok® style fasteners. Includes set screw and hex key.

ITEM	PART #
1/16"	57406
5/64"	57408
3/32"	57410
1/8"	57414
4-Piece set	57421



HI-LOK® INSTALLATION RATCHET

Jiffy's new & improved design.

Jiffy® 20° Hi-Lok® Ratchet Wrenches (New & Improved Design)

These tools are used to install large numbers of Hi-Lok® fasteners quickly and easily. The built-in, spring-loaded hex tip holder allows you to hold your Hi-Lok® fastener in place when installing non-interference fasteners. Select the socket size and hex tip from below (sold separately) that suits your application.

• Made in USA



MODEL	TORQUE	RPM	LENGTH	WEIGHT	PART #
20053-19992-15424	300 in. lbs.	500	12.5"	3.06 lbs.	JAT20053
20054-19992-15424	210 in. lbs.	1000	12.5"	3.06 lbs.	JAT20054

Jiffy® Stall Hex Key Tips



WRENCH TIP HEX	SOCKET LENGTH	PART #
1/16"	1/4"	JAT18127
1/16"	1/2"	JAT18128
1/16"	1"	JAT18129
1/16"	2"	JAT18131
5/64"	1/4"	JAT18134
5/64"	1/2"	JAT18135
5/64"	1"	JAT18136
3/32"	1/4"	JAT18141

WRENCH TIP HEX	SOCKET LENGTH	PART #
3/32"	1/2"	JAT18142
3/32"	1"	JAT18143
3/32"	2"	JAT18145
1/8"	1/4"	JAT18148
1/8"	1/2"	JAT18149
1/8"	1"	JAT18150
5/32"	1"	JAT18740



Jiffy® Snap Ring Replacement

Part #JAT03831

Jiffy® Stall Sockets



NOTE: Sockets do not come with a snap ring. It must be ordered separately (see part #JAT03831 shown above).

SOCKET HEX	LENGTH OF SOCKET	PART #
7/32"	1/2"	JAT12680
7/32"	1"	JAT12681
1/4"	1/4"	JAT12686
1/4"	1/2"	JAT12687
1/4"	1"	JAT14446
9/32"	1/4"	JAT12692
9/32"	1/2"	JAT12693

SOCKET HEX	LENGTH OF SOCKET	PART #
9/32"	1"	JAT12694
5/16"	1/4"	JAT12699
5/16"	1/2"	JAT12700
5/16"	1"	JAT14445
11/32"	1/4"	JAT12705
11/32"	1/2"	JAT12706
11/32"	1"	JAT12707

SOCKET HEX	LENGTH OF SOCKET	PART #
3/8"	1/4"	JAT12767
3/8"	1/2"	JAT12768
3/8"	1"	JAT12769
7/16"	1/4"	JAT12872
7/16"	1/2"	JAT12873
7/16"	1"	JAT12874

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MEASURING DEVICES

FIRST-QUALITY SCALES



(First Side)



(Second Side)

First-Quality Scales (Flexible)

Available in 6", 12", 18", 24", 36" and 48" lengths.

- Graduations (5R) marked in 10ths, 100ths, 32nds, and 64ths
- Made in USA

TYPE	SIZE	WIDTH	THICKNESS	PART #
White numbers on black finish	6"	1/2"	1/32"	14051
White numbers on black finish	12"	1/2"	1/32"	14052
White numbers on black finish	18"	3/4"	1/32"	14053
White numbers on black finish	24"	3/4"	1/32"	14162
Black numbers on satin finish	24"	3/4"	1/32"	14054
Black numbers on satin finish	36"	3/4"	1/32"	14160
Black numbers on satin finish	48"	3/4"	1/32"	14161



(First Side)



(Second Side)

6" First-Quality Scale (Rigid)

- Graduations marked in 50ths, 100ths, 32nds and 64ths
- Width: 3/4"
- Thickness: .041"
- Made in USA

Part #14164



24" First-Quality Combination Square Blade

Use with your combination square or just as a rule/straight edge. Graduations marked in 32nds, 64ths, 50ths and 100ths. Black numbers on satin finish.

- Width: 1"
- Thickness: 3/32"
- Made in USA

Part #14544

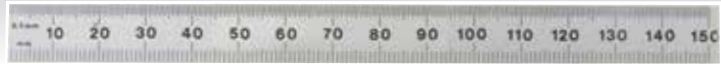


YARDSTORE

• AIRCRAFT SHEET METAL TOOLS •

MEASURING DEVICES

COSMETIC IMPERFECTION SCALES **LIMITED SUPPLY**



GRADUATION STYLES

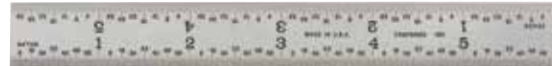
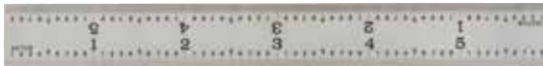
- 5R: 32nds, 64ths, 10ths, 100ths
- 16R: 32nds, 64ths, 50ths, 100ths

WHILE SUPPLIES LAST

PART #	LENGTH	GRADUATIONS	THICKNESS	WIDTH	DESIGN
14340	6"	16R	.015"	.5"	Flexible
14063	12"	5R	.015"	.5"	Flexible
14342	18" (Black)	16R	.020"	.75"	Flexible
14346	18" (Silver)	16R	.020"	.75"	Flexible
14065	24"	5R	.020"	1.125"	Flexible
14570	6"	5R	.040"	.75"	Rigid
14571	12"	5R	.040"	1"	Rigid
14572	18"	5R	.040"	1.125"	Rigid
14573	24"	5R	.040"	1.125"	Rigid
14574	36"	5R	.040"	1.125"	Rigid
14575	48"	5R	.040"	1.125"	Rigid

KITS

14580	Includes Part #'s 14570, 14571, 14572 & 14573	5R	.040"	.75"-1.125"	Rigid
16100	Includes Part #'s 14340, 14063 & 14065	5R	.015"-.020"	.5"-1.125"	Flexible
16102	Includes Part #'s 14598 & 14599 (see below)	English/Metric	.015"	.5"	Flexible



GRADUATION STYLES

- English/Metric: 0.5mm & mm, 32nds & 64ths
- Decimal/Metric*: 10ths, 100ths, mm, 0.5mm
- Decimal/Metric**: 10ths, 50ths, mm, 0.5mm

WHILE SUPPLIES LAST

PART #	LENGTH	GRADUATIONS	THICKNESS	WIDTH	DESIGN
14594	6"	Decimal/Metric**	.015"	.5"	Flexible
14598	6"	English/Metric	.015"	.5"	Flexible
14599	12"	English/Metric	.015"	.5"	Flexible
14596	18"	Decimal/Metric*	.020"	.75"	Flexible
14430	24"	Decimal/Metric*	.020"	.75"	Flexible
14590	6"	Decimal/Metric*	.040"	.75"	Rigid
14592	18"	Decimal/Metric*	.040"	1.125"	Rigid
14593	24"	Decimal/Metric*	.040"	1.125"	Rigid



Cosmetic Imperfection Combination Square Blades

Use with your combination square or just as a rule/straight edge. Graduations marked in 32nds, 64ths, 50ths and 100ths. Black numbers on satin finish.



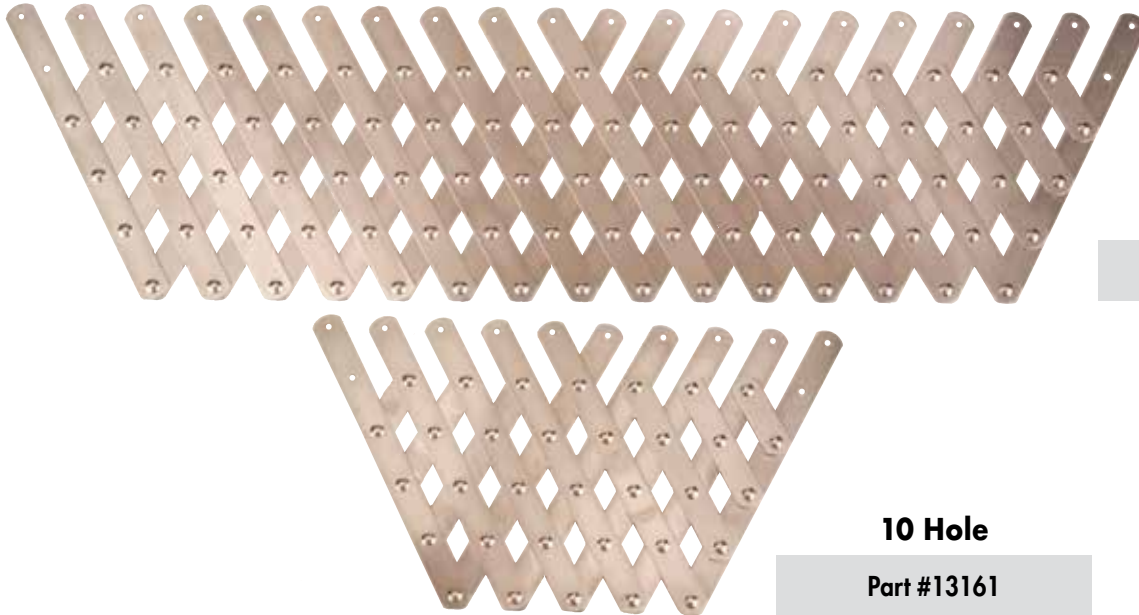
PART #	LENGTH	THICKNESS	WIDTH	DESIGN
14541	6"	.075"	.725"	Machinist Blade
14542	12"	.085"	1"	Machinist Blade
14545	18"	.085"	1"	Machinist Blade

WHILE SUPPLIES LAST

MEASURING DEVICES

Rivet Fan Spacing Tools

With the time they save, these spacers are tools anyone working with sheet metal, wood or other materials should have because they're so accurate and easy. Just spread the accordion-style spacer to the desired distance (stamped clearly on the tool), and then mark the spots to drill rivet holes, pound nails or set screws or bolts. Depending on the size of the tool, mark out up to 10 or 20 holes at a time in increments of 1/4" or larger, with distances from 1/2" to 2" apart. Made of high-quality stainless steel that holds up to countless openings, closings and adjustments. Try this tool and you'll never try to eyeball along a tape measure again.



20 Hole

Part #13061

10 Hole

Part #13161

Jo-Bolt/Visu-Lok Grip Gauge

Use this gauge to easily determine proper Jo-Bolt length and diameter.

- Model LFVLG-1
- Made in USA

Part #50521



Hi-Lok® Grip Gauge with Slide

Slide the tip of this gauge through a hole, draw the gauge back until the hook hits the backside of the hole and you'll be able to correctly determine the proper length of the Hi-Lok® fastener needed. Our grip scales serve two purposes. First, to measure the "grip length" of Hi-Lok® and Hi-Lite® pins, shear lockbolts, structural screws and bolts (the thick side of the tool). Second, to measure the thickness of materials to be fastened so that the proper length pin may be chosen (the thinner side of the tool).

- Made in USA

Part #14055

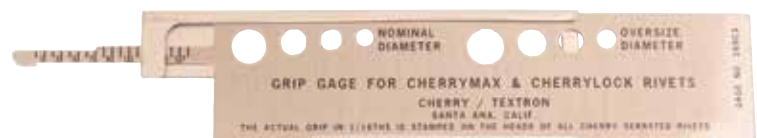


CherryMax® Grip Gauge with Slide

Slide the hook of this gauge through a hole, draw the gauge back until the hook hits the back of the hole and you can properly determine the length of the CherryMax® or CherryLock® rivet required. Also measures the required rivet diameter.

- Made in USA

Part #14056

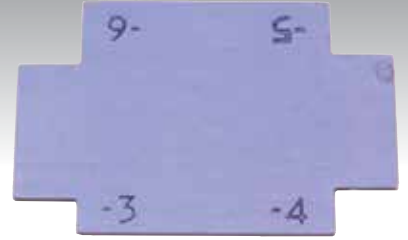


MEASURING DEVICES

Rivet Length Gauge

Take the guesswork out of choosing a rivet. This easy-to-use gauge checks the proper length of rivets before setting and works for both universal head and flush rivets. Made of aluminum. Sizes are permanently stamped in.

Part #13717



Shop Head Rivet Gauge Set

This 4-piece set of gauges (-3, -4, -5 and -6) measures the minimum height and minimum diameter of shop heads after setting. Made of aluminum with sizes stamped in, the gauges work for both universal head and flush rivets. Gauges are color-coded with an anodized finish.

Part #13714



Hi-Lite® Pin Protrusion Gauge (Go-No-Go Gauge)

Set of 5 precision protrusion gauges for nominal diameter Hi-Lite® fasteners. Sizes: 5/32", 3/16", 1/4", 5/16" and 3/8". Each set is serialized for calibration and control purposes. All 6 pieces of each set bear the same serial number.

- Model: 2-1522HST-B
- Made in USA

Part #14585



Hi-Lok® & Hi-Tigue® Pin Protrusion Gauge (Go-No-Go Gauge)

After installation of Hi-Lok® and Hi-Tigue® pins, use this gauge to determine if the pins fall between the correct minimum and maximum grip length. Includes 5 gauges: 5/32", 3/16", 1/4", 5/16" and 3/8".

- Model: 2-1522-B
- Made in USA

Part #14584



Hi-Lok® & Hi-Lite® Pin Protrusion Gauges (Go-No-Go Gauge)

Use these gauges after installation of Hi-Lok® and Hi-Lite® pins to make sure they fall between the minimum and maximum lengths for correct grip. Includes gauges: 5/32", 3/16", 1/4", 5/16" and 3/8" for Hi-Loks® and Hi-Lites®.

- Made in USA



For Hi-Loks

Part #14084

- Model: 2-1522



For Hi-Lites

Part #14384

- Model: 2-1522HST

MEASURING DEVICES



Radius Gauge Set

For checking or laying out concave or convex radii. Sizes range from $1/64$ " thru $17/64$ " by 64ths, and $9/32$ " thru $1/2$ " by 32nds. Includes 25 pieces in all. Each gauge has satin-chrome finish and is individually marked. Includes a vinyl storage case.

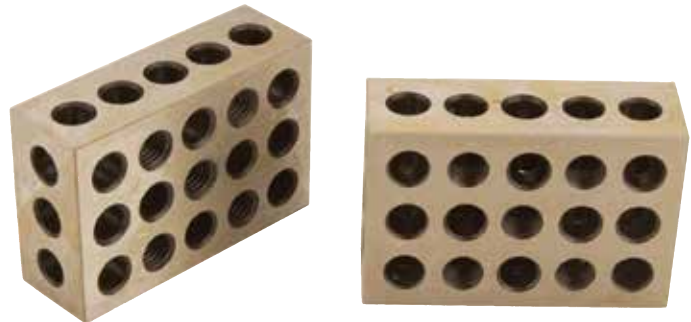
Part #14145



Sheet Metal Gauge

This tool measures the U.S. standard thickness (0-36) of sheet metal, plate iron and steel. Made of heavy gauge, hardened and tempered tool steel with a chrome finish. Decimal equivalents are stamped on the reverse side.

Part #14148



1-2-3 Block

With precisely machined and parallel sides measuring 1", 2" and 3", this tool is used in machining fields, especially milling, to aid in setup. Features five threaded holes (3/8-16) for clamping and 18 untapped holes.

Part #50140



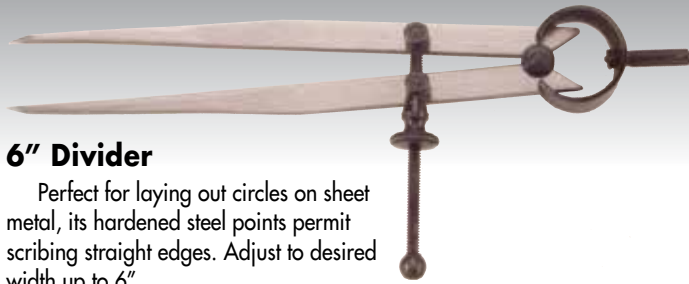
Feeler Gauge

Use this feeler gauge to adjust and gauge spark plugs, distributor points and valve clearances or to measure spacing between parts.

- 26 leaves, 3 1/2" inches in length
- Range: .0015 to .025
- Lock nut holds leaves in desired position

Part #80910

MEASURING DEVICES



6" Divider

Perfect for laying out circles on sheet metal, its hardened steel points permit scribing straight edges. Adjust to desired width up to 6".

Part #14081



6" Inside Spring Caliper

Strong, flexible spring for smooth, even action.

- Range: 6" maximum

Part #14680



6" Outside Spring Caliper

Strong, flexible spring for smooth, even action.

- Range: 6" maximum

Part #14681



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Machinist Squares

These precision squares – available in 2", 4" and 6" sizes – are made of hardened tool steel. Great for set up where accuracy is a must. Surfaces and edges are ground for straightness and parallelism, and the squares are accurate on both inside and outside edges. No graduations appear on the blades.

SIZE	PART #
2"	14074
4"	14075
6"	14076
SET OF 3	14275



Protractor

Use this tool for setting bevels and measuring and transferring angles. Each tool has 0°-180° etched graduations in opposite direction and 6" protractor arm with locking nut.

Part #14147

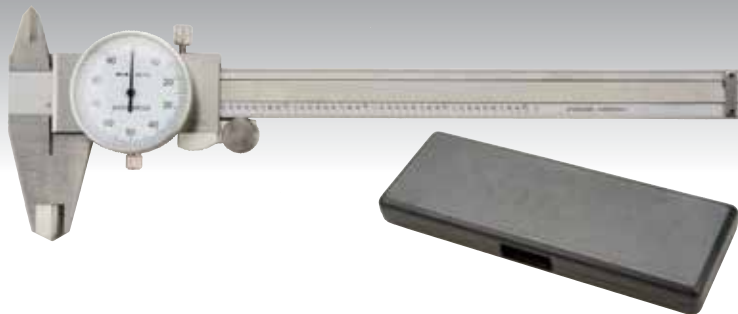
MEASURING DEVICES



DPT

6" Dial Caliper

A great quality import at an excellent price. Measures from 0" to 6" in .001" increments. This caliper has an easy-to-read dial with black numbers on a white background. Includes a custom-fitted case.



Part #14082



Mitutoyo®

6" Digital Caliper

This device's high-quality caliper measures from 0" to 6", or 150mm, and comes from a brand universally known for its accuracy in measurement. Its resolution is .001"/0.01mm, and the zero setting at any position makes it easy for incremental measurement. Features inch/mm conversion at any position and a manual power on/off button. Includes battery and case.



Part #14059



DPT

6" Digital Caliper

Measures from 0" to 6", or 150mm, with a resolution of 0.01mm/0.0005". Since it can be set to zero at any position, incremental measurements are easily accomplished. It features an inch/mm conversion at any position, has a manual power on/off button and automatic power shutoff after 5 minutes. Includes battery and fitted case.



Part #14266



DPT

0-1" Micrometer

This outside micrometer is used to measure the outside dimensions of precision work pieces. Both measuring faces are carbide tipped. Capable of being easily, quickly and reliably adjusted for zero position, overlap and departure from graduation. Measuring graduations are in .0001". A storage case is included.



Part #14141

HAND TOOLS

Safety Glasses

The most comfortable safety glasses on the market for an unbelievable price.

- A sleek, compact appearance
- Meets the ANSI Z87.1+ standard
- Ultra-lightweight design (less than 1 ounce)
- Blocks 99.9% of UV-A, UV-B, and UV-C light, up to 380 nm
- Scratch-resistant lens

TEMPLE	LENS	PART #
Clear	Clear	18720
Gray	Silver Mirror	18721



Silver Lens



Clear Lens

Quantity pricing available on 10+ pieces.

Darwin Ratchet

This ratchet was developed by an airframe mechanic who was frustrated when he needed close quarter access to screw heads. The ratchet features a 1/4" drive on one end and a 5/16" drive on the other, both reversible. Also included in the kit is a 1/4" socket adapter, three (3) #1 Phillips head bits and three (3) #2 Phillips head bits. Inexpensive to purchase and indispensable when you need it.



Part #13981

Additional even shorter insert bits shown below.



Shorter Phillips Head Insert Bits

These bits fit the Darwin Ratchet above and provide even better access to tight places.



#1



#2

Point Size	Overall Length	Shank	Part #
1	11/16"	1/4" Hex	56200
2	11/16"	1/4" Hex	56201

Quantity pricing available on 100+ pieces.

4-in-1 Screwdriver Set

A versatile little tool, this screwdriver features an industrial-strength molded handle and includes a double-ended Phillips bit and a double-ended straight head bit.

Part #50088



HAND TOOLS

Mechanic's Tool Bag

A tool bag that can carry a big load for a small price. Bag made of heavy-duty cotton canvas and features a large brass-zippered main compartment, two snap accessory compartments, rugged cotton web carry handles, inside dividers and a hard fiber bottom.

- Size: 11" x 7" x 6"



Part #14027

Mechanic's Tool Bag - Large

- Constructed of rugged cotton canvas
- Heavy duty nylon zipper
- 10 exterior pockets, 14 interior pockets
- Hard fiber bottom, internal frame
- Size: 12" x 10" x 11"



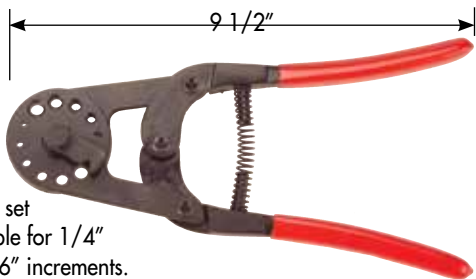
Part #14427

Rivet Cutter

This heavy-duty rotary cutter is designed to quickly and easily shear aluminum rivets.

Just insert the rivet into the correct-sized hole and set to desired length; adjustable for 1/4" to 3/4" long rivets in 1/16" increments.

Cuts diameters of 3/32", 1/8", 5/32", 3/16", 7/32" and 1/4".



Part #14009

Thread Sealing Tape

Tape wraps easily around threads to seal pipe connections.

- 0.03" x 1/2" x 260" • PTFE never dries out



Part #14309

Rivet Tape

Use rivet tape to install multiple rivets in an assembly. The tape is placed over the heads of rivets to hold them in place during riveting.

After rivets are driven, the tape is removed, leaving no adhesive behind on rivet heads or components. Tape is thin and flexible enough to not get in the way of tools. Rivet tape is a tough polyester film with colored adhesive coating on the outside edges; center section has no adhesive and is clear so you can easily see the rivets.



SIZE	PART #
3/4" x 36 yds.	14307
1" x 36 yds.	14305
2" x 36 yds.	14314

Quantity pricing available:
72+ on part # 14305 & 14307
36+ on part # 14314



Wiss®

W20 Inlaid Heavy Duty Industrial Shears

- Length: 10 3/8"
- Commonly used in cutting fabrics, upholstery and composite materials
- Precision ground blades for sharper cutting edges & longer blade life
- Handle rings designed to comfortably fit users hands
- Set screw pivot adjustment

Part #24120

Aviation Snips

For heavy-duty aviation use, these snips have a safety latch for easy storage. Choose from right, left or straight-cut models, or buy all of them in a 3-piece set.

Part #16095



RIGHT CUT



STRAIGHT CUT

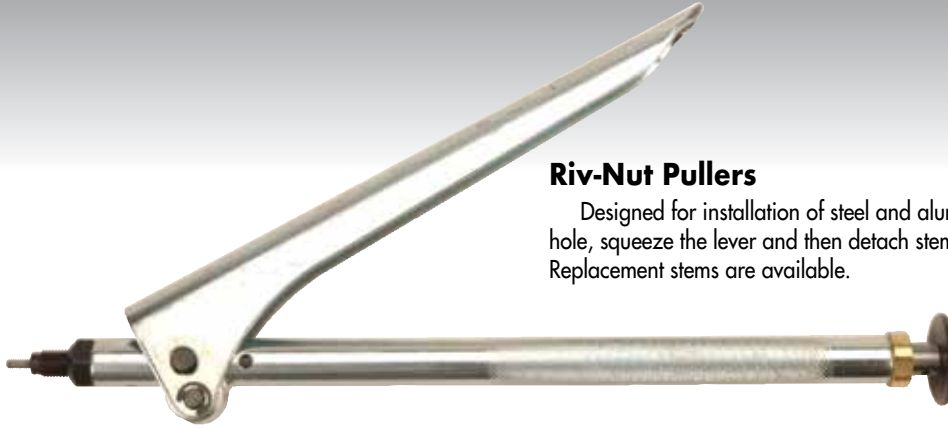


LEFT CUT

Individual Piece Prices

CUT	PART #
Right (green handle)	14024
Left (red handle)	14023
Straight (yellow handle)	14025

HAND TOOLS



Riv-Nut Pullers

Designed for installation of steel and aluminum rivet-nuts. Just insert riv-nut into prepared hole, squeeze the lever and then detach stem from the riv-nut by unscrewing knob. Replacement stems are available.

Riv-Nut Pullers

SIZE	PART #
6-32	14501
8-32	14502
10-32	14503

Replacement Stems

SIZE	PART #
6-32	13556
8-32	13557
10-32	13558

Riv-Nut Puller Combo

Includes 6-32 tool and the 8-32 & 10-32 conversion kits.

Part #13565



Hand Riv-Nut Tool

This wrench type rivet nut fastener easily and efficiently installs steel or aluminum rivet nuts.

SIZE	PART #
6-32	14471
8-32	14472
10-32	14473
1/4-28	14476

Replacement Studs

SIZE	PART #
6-32	14486
8-32	14487
10-32	14488
1/4-28	14491

Wire Harness Spoon

No avionics installer should be without this tool. Designed to thread wires into an already tied harness, it's a great time saver.

- Length: 3 1/2"

Part #14888



Dzus® Fastener Installation Driver

Use this tool for locking and unlocking Dzus® fasteners. The blade is contoured to fit inside the 1/4 turn fastener without stripping the slot. Easy grip handle gives you plenty of torque.

Part #14405



CLAMPS

When you really need to get a grip, we've got tools that take hold. Locking clamps, C-clamps, toggle clamps – all made of the highest-quality materials and all in stock at **The Yard Store**.

Aircraft Quality C-Clamps

Hold sheet metal, steel, wood and other materials together and secure during fabrication, riveting and countless other tasks around the shop or home. Our heavy-duty, industrial strength C-clamps are drop forged of carbon steel and have deep jaws. All C-clamps fully close.



1" C-Clamp

- 1" opening
- 1 1/16" throat depth

Part #14071



2" C-Clamp

- 2" opening
- 1 1/8" throat depth

Part #14072



3" C-Clamp

- 3" opening
- 2" throat depth

Part #14073



4" C-Clamp

- 4" opening
- 2 3/4" throat depth

Part #14875



6" C-Clamp

- 6" opening
- 3 1/4" throat depth

Part #14876

Toggle Clamp

Easier to use than your regular C-clamps.

Purchase individually or in our 3-Piece set.

Features include:

- Quick-release style
- Removable rubber pads on each screw
- Reach: 1 1/4"
- Gap: 1"

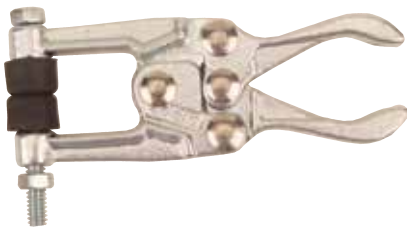
Part #14883

3-Piece Toggle Set

Part #14893

Toggle Clamp Rubber Caps

(Sold individually) Part #14861



Spring-Loaded Nylon Clamps

Features durable, soft, swivel pads for a better grip and to protect the work. Contoured jaws to hold round and odd shaped objects. Handles are designed for comfortable hand-span.

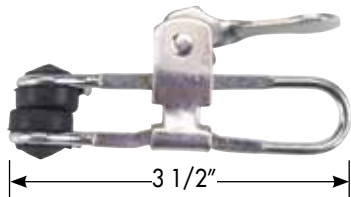
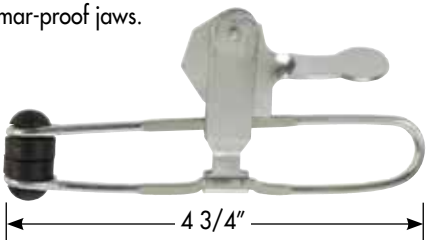
OVERALL LENGTH	JAW ADJUSTMENT	THROAT DEPTH	PART #
4"	0 – 1 1/2"	1 1/2"	14903
9"	0 – 3 7/8"	3 7/8"	14904



Handi-Clamps

Snaps open or shut with the flick of a thumb. Firm gripping, mar-proof jaws.

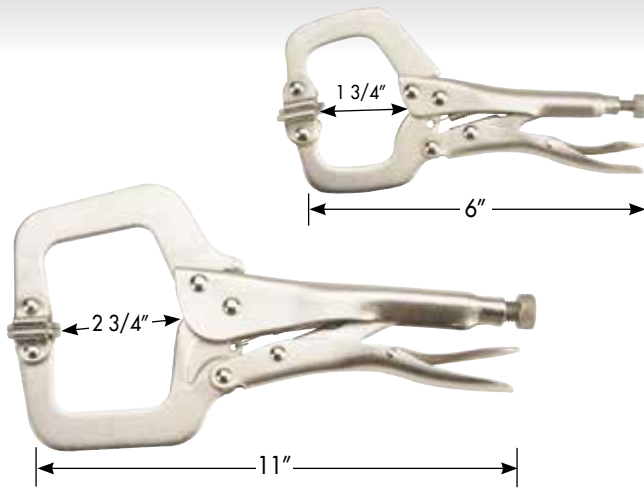
OVERALL LENGTH	JAW ADJUSTMENT	THROAT DEPTH	PART #
3 1/2"	0 – 5/16"	1 1/8"	14879
4 3/4"	0 – 1 1/8"	1 7/8"	14979



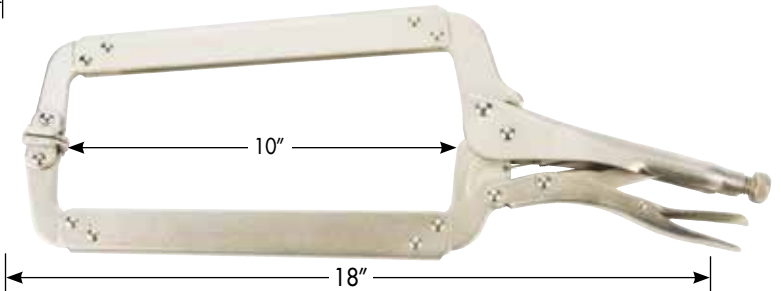
CLAMPS & HAND SEAMERS

Locking Clamps with Swivel Pads

The best locking clamps available. These versatile clamps feature swivel pads that hold tapered work, awkward fabricating jobs, and delicate projects – all without damaging the work surface. The guarded release trigger prevents accidental release, and the adjusting screw provides exacting pressure.

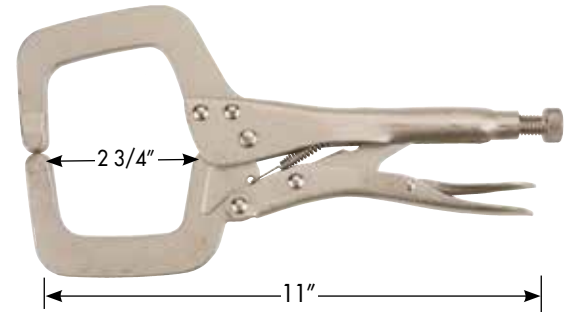
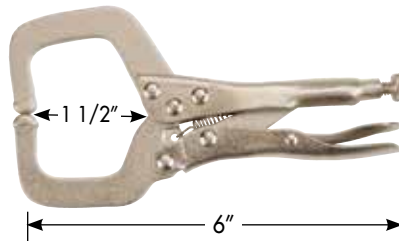


SIZE	JAW ADJUSTMENT	THROAT DEPTH	PART #
6"	0 – 1 3/4"	1 3/4"	14870
11"	0 – 3 3/4"	2 3/4"	14871
18"	0 – 7"	10"	14867

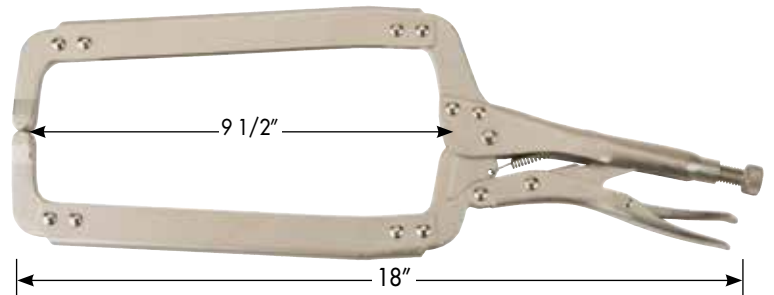


Locking Clamps

- One-touch quick release
- Knurled thumbscrew sets jaw capacity
- Drop forged carbon steel jaws
- Corrosion-resistant chrome plated finish



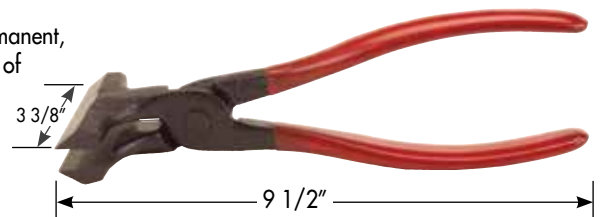
SIZE	JAW ADJUSTMENT	THROAT DEPTH	PART #
6"	0 – 1 1/2"	1 1/2"	14864
11"	0 – 3"	2 3/4"	14865
18"	0 – 7"	9 1/2"	14866



Hand Seamer

This seamer can be used to bend, crimp or straighten sheet metal, while also making permanent, tight-fitting seams. It has a 1" deep jaw and 3 3/8" wide throat that allows work on a range of seam sizes. Seamer is forged from high-quality steel, with faces that are machined smooth and aligned with precision. Vinyl handgrips allow maximum leverage with minimal effort.

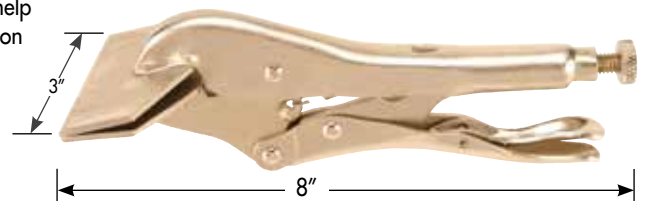
Part #13713



Locking Hand Seamer

This seamer makes bending, forming and crimping sheet metal jobs easier, with the help of a tensioning and locking screw and a quick-release lever. Can be used for resin infusion as it can clamp holes separately from vacuum to prevent the flow of resin.

SIZE	JAW ADJUSTMENT	THROAT DEPTH	PART #
8"	0 – 1 3/8"	1 3/4"	16160



DEAD BLOW HAMMERS

Trusty Cook Dead Blow Hammers - New

- **Made in USA**
- Shot-filled cannister absorbs shock while maximizing power at impact
- Steel canister is welded to rod for more strength and safety
- Polyurethane coating helps to prevent mushrooming, splitting and chipping
- Convex faces provide maximum dead blow, non-bounce action
- Steel core base provides strength and long-lasting durability for up to 20 times longer than other hammers
- Textured grip provides sure-handed service for no slips, less fatigue
- Colors may vary

MODEL	WEIGHT	LENGTH	FACE DIAMETER	PART #
0	13 oz.	10"	1 3/8"	77220
1	21 oz.	11 1/4"	1 5/8"	77221
2	26 oz.	12 3/4"	2"	77222
S1 (Slimline)	18 oz.	10 3/4"	1 3/8"	77231
S2 (Slimline)	23 oz.	12"	1 1/2"	77232

Save money on Trusty Cook Dead Blow Hammers with cosmetic imperfections.

Limited inventory. **Made in USA.**

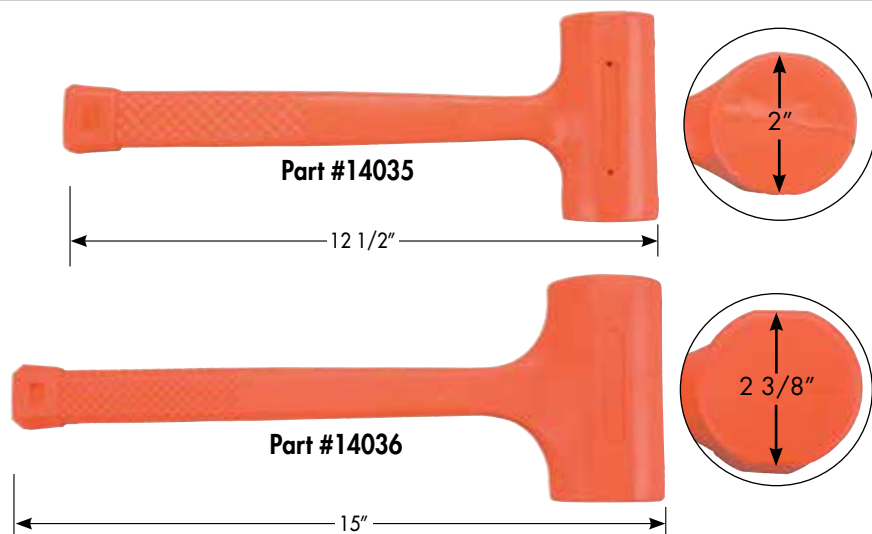
Go to www.yardstore.com



Economy Import Dead Blow Hammers

These hammers provide a lot of force while greatly reducing the chance of damaging the material. Their secret is the non-marring construction of the head, which is shot-filled to deliver a solid, no-bounce strike. Offered in two sizes, 1.5 lb. and 3 lb.

WEIGHT	LENGTH	FACE DIAMETER	PART #
1.5 lb.	12 1/2"	2"	14035
3 lb.	15"	2 3/8"	14036



MALLETS, HAMMERS, SHOT BAGS

Nylon Mallet

Great for shaping metal, this mallet has a head length of 3 1/2" and a face diameter of 1 5/8". Mallet has a nylon composite face.

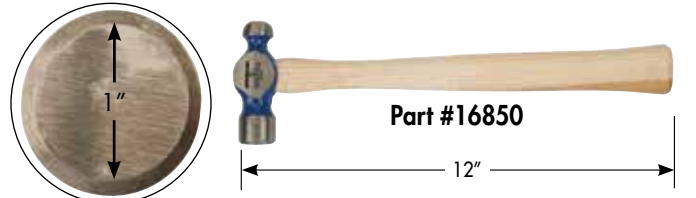
- Hammer length: 10 1/8"

Part #14751



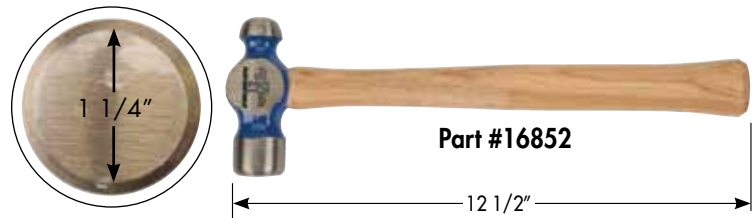
Ball Pein Hammers

These hammers are a must-have for every aircraft maintenance technician, as they can strike, punch, rivet, shape and straighten unhardened metal. Featuring high quality drop-forged steel heads and heavy-duty wood handles, ball pein hammers come in 8 oz., 12 oz. and 16 oz. sizes.

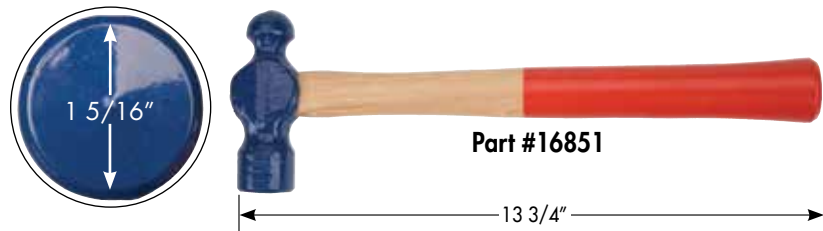


Part #16850

WEIGHT	LENGTH	FACE DIAMETER	PART #
8 oz. ball pein	12"	1"	16850
12 oz. ball pein	12 1/2"	1 1/4"	16852
16 oz. ball pein	13 3/4"	1 5/16"	16851



Part #16852



Part #16851

Brass Hammers

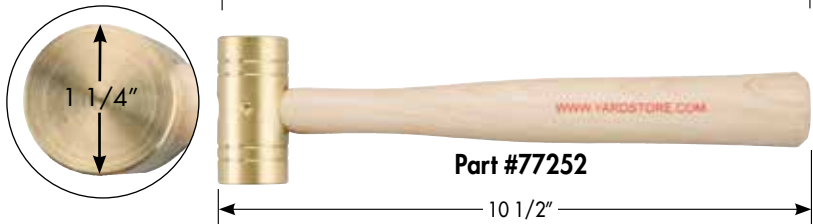
These non-sparking brass hammers are used for installing fasteners. The brass head is softer than steel hammers resulting in little to no damage to the fastener. Each hammer is made from quality 360 brass with a seasoned hickory handle.

- Made in USA

WEIGHT	LENGTH	FACE DIAMETER	PART #
4 oz.	10"	3/4"	77250
16 oz.	10 1/2"	1 1/4"	77252



Part #77250



Part #77252

Air Capital Leather Shot Bags

All-leather top-grain cowhide for forming metal panels with a hammer.

- Shot/sand not included.

SIZE	CENTER RISER	APPROXIMATE FILL CAPACITY	PART #
8"	1"	Shot (15 lbs), Sand (10 lbs.)	53000
12"	1 3/4"	Shot (42 lbs), Sand (12 lbs.)	53001



SLIP TYPE BUSHING & KITS

Drill a hole dead-on 90° with our drill cups, blocks and slip type bushings. Choose from any of the kits below and save big, or purchase items individually.

Plastic Drill Cup & Slip Type Bushings Kit (Numbers)

Kit includes one each for numbers drill bits:

- Plastic drill cup (slip type)
- #40, #30, #21 & #10 slip type bushings
- Bushing Length: 3/4"



Part #16070

Plastic Drill Cup & Slip Type Bushings Kit (Fractions)

Kit Includes one each:

- Plastic drill cup (slip type)
- 3/32", 1/8", 5/32" & 3/16" slip type bushings
- Bushing Length: 3/4"



Part #16071



10-Piece Plastic Drill Cup & Slip Type Bushings Kit (Numbers & Fractions)

Numbers & fractions combination kit includes one each:

- Plastic drill cup (slip type)
- #40, #30, #21, & #10 slip type bushings
- 3/32", 1/8", 5/32", 3/16" & 1/4" slip type bushings
- Bushing Length: 3/4"



Part #16075

Individual Plastic Drill Cup Slip Bushing Plastic Drill Cup

Helps to keep your drill at a right angle to the skin surface. Made of clear plastic with steel liner. Uses standard-size 1/2" O.D. slip bushings. **Made in USA.**



Part #16050

Slip Type Bushings



Bushings are standard 1/2" O.D. and slip into plastic cups or drill bar (below).

- Made of hardened steel for maximum life
- Bushing Length: 3/4"



SLIP FIT
BUSHING SIZE DECIMAL PART #

3/32"	.0938	16056
#40	.0980	16051
1/8"	.1250	16057
#30	.1285	16052
#27	.1440	16054
5/32"	.1562	16058
#21	.1590	16053
#20	.1610	16076
#19	.1660	16092
#16	.1770	16091
#13	.1850	16077
3/16"	.1875	16059
#12	.1890	16090
#11	.1910	16089
#10	.1935	16055
#8	.1990	16088
#7	.2010	16078
#5	.2055	16086
#3	.2130	16084
7/32"	.2188	16063
#1	.2280	16083
"D"	.2460	16080
1/4"	.2500	16060
"F"	.2570	16079
"G"	.2610	16081
"J"	.2770	16082
5/16"	.3125	16061

Drill Bar

This adjustable, slip-type drill bar provides accurate placement and alignment of drilled holes. Use it with our Spotter, P.N. 16066, to locate the drill bar centrally within $\pm .001$. Once centered, replace the Spotter with a bushing and drill your hole. Works with our slip-type bushings.

- Complete with lock screw and liner
- Thickness: 3/4"
- Bar width: 1 1/2"
- Length: 6"



Part #16065

The Spotter (Bombsite)

Zero in on the right spot for the hole with this locator, which is ideal for laying out drill fixtures, templates or dies. The crosshairs, centrally located with $\pm .001$ accuracy, provide you with a precise and magnified reference point. Manufactured from tough, clear, unbreakable plastic. Works with our drill bar, P.N. 16065, at left.



View through Spotter "Bombsite" showing location crosshairs.

Part #16066

SLIP TYPE BUSHING KITS

Slip Type Bushing Kit (12-Piece)

Drill a hole dead-on 90° with this slip type bushing kit. All pieces come in a blue, hard plastic carrying case.

FOD Kit includes:

- 3 plastic drill cups (slip type)
- #40, #30, #21, #10, 5/32", 3/16", 7/32", 1/4" and F slip type bushings.

Part #16040



Slip Type Bushing Kit (18-Piece)

Drill a hole dead-on 90° with this slip type bushing kit. All pieces come in a blue, hard plastic carrying case.

FOD Kit includes:

- 2 plastic drill cups (slip type)
- #40, #30, #27, #21, #20, #16, #13, #10, #8, 3/32", 1/8", 5/32", 3/16", 1/4", 5/16" and D slip type bushings.

Part #16045



Slip Type Bushing Kit (21-Piece)

The ultimate drill bushing kit! All pieces come in a blue, hard plastic carrying case.

FOD Kit includes:

- 3 plastic drill cups (slip type)
- Bombsite
- Drill Bar
- #40, #30, #27, #21, #20, #16, #13, #10, #8, 3/32", 1/8", 5/32", 3/16", 1/4", 5/16" and D slip type bushings.

Part #16046



THREADED BUSHINGS & KITS

Drill a hole dead-on 90° with our drill cups, channel drill stands, blocks and threaded bushings.
Choose from any of the kits below and save big, or purchase items individually.

Plastic Drill Cup & Threaded Bushings Kit (Numbers)

Kit Includes one each:

- Plastic drill cup (threaded type)
- #40, #30, #21 & #10 threaded bushings

Part #13079



Plastic Drill Cup & Threaded Bushings Kit (Fractions)

Kit Includes one each:

- Plastic drill cup (threaded type)
- 3/32", 1/8", 5/32" & 3/16" threaded bushings

Part #13175



10-Piece Plastic Drill Cup & Threaded Bushings Kit (Numbers & Fractions)

Numbers & fractions combination kit includes one each:

- Plastic drill cup (threaded type)
- #40, #30, #21, & #10 threaded bushings
- 3/32", 1/8", 5/32", 3/16" & 1/4" threaded bushings

Part #13176



Drill Block (Steamboat) & Threaded Bushings Kit

Kit Includes one each:

- Drill block (Steamboat; threaded type)
- #40, #30, #21 & #10 threaded bushings

Part #13071

Block:

- Weight: 2 lbs.
- Length: 6"
- Width: 1 1/4"
- Height: 1"



Plastic Drill Cup, Block & Threaded Bushings Kit

Kit Includes one each:

- Plastic drill cup (threaded type)
- Drill block (Steamboat; threaded type)
- #40, #30, #21 & #10 threaded bushings

Part #13077

Block:

- Weight: 2 lbs.
- Length: 6"
- Width: 1 1/4"
- Height: 1"



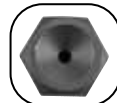
Threaded Bushings

Bushings thread (1/2"-13 threads) into the plastic cup (P.N. 13070) or drill block (P.N. 13072) on page 137 and are interchangeable.
Bushings made of hardened steel for maximum life. • Thread Length: 3/4"



THREADED BUSHING SIZE	DECIMAL	PART #
3/32"	.0938	13574
#40	.0980	13073
1/8"	.1250	13575
#30	.1285	13074
#27	.1440	13570
5/32"	.1562	13576
#21	.1590	13075
#20	.1610	13571
11/64"	.1719	30009
#13	.1850	13572

THREADED BUSHING SIZE	DECIMAL	PART #
3/16"	.1875	13577
#10	.1935	13076
#7	.2010	13573
7/32"	.2188	13585
"D"	.2460	13579
1/4"	.2500	13078
"F"	.2570	13580
"G"	.2610	13581
"J"	.2770	13582
5/16"	.3125	13578



THREADED DRILL CUPS & BLOCKS

Threaded Bushing Kit (12-Piece)

Drill a hole dead-on 90° with this threaded bushing kit. All pieces come in a blue, hard plastic carrying case.

FOD Kit includes:

- 3 plastic drill cups (threaded type)
- #40, #30, #21, #10, 5/32", 3/16", 7/32", 1/4" and F threaded bushings.

Part #13083



Channel Drill Stand Threaded (One Hole)

Use this stand to fit in seat channels or other small areas. Keeps your drill 90° to the surface. Made of clear plastic for easy viewing of hole location.

- 1/2"-13 threaded bushings
- Height: 1"
- Thickness: 0.600
- Overall width: 1 1/8"

Part #13186



Channel Drill Stand Threaded (Three Hole)

This drill stand offers the benefits of having three different sized bushings ready to go. Keeps your drill 90° to the surface. Made of clear plastic for easy viewing of hole location.

- 1/2"-13 threaded bushings
- 2" x 1" x 1" plastic block

Part #13187



Threaded Bushing Plastic Drill Cup

Keeps your drill at 90° to metal surface. Made of clear plastic for easy viewing of hole location.

- 1/2"-13 threaded bushings

Part #13070



Individual Threaded Drill Block (Steamboat)

Screw a threaded bushing into the block and it helps keep your drill 90° to the drilling surface.

- Weight: 2 lbs.
- Width: 1 1/4"
- Length: 6"
- Height: 1"

Part #13072



EXTRACTORS, EASY OUTS

Brutus Screw Extractors (Johnson Bars)

When all other extractors fail, this is the tool to use. Easily removes Phillips, Tri-Wing®, Hi-Torque® and any other type of screw or bolt. Folds up for easy storage and contains a compartment to store bits. Two models to choose from.

New Item

Model	Screw Size	Drive	Part #
#5	#8 thru 1/4"	3/8"	14928
#7	1/4" thru 3/8"	3/8"	14929

****Bits and ratchet not included**

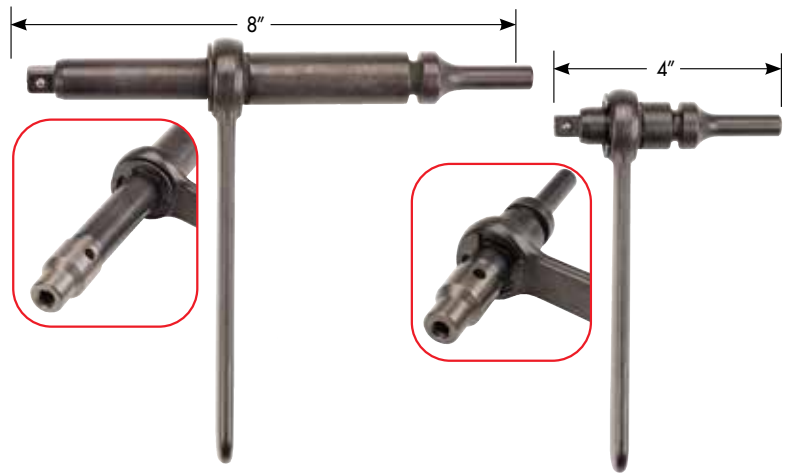


Screw Extractor/Screw Knocker/Old Man

It's got plenty of names – "Old Man," "Screw Knocker," "Wood-pecker" – but this extractor gets results when loosening and removing corroded and over-tightened screws and other fasteners. The extractor's .401 shank fits into a rivet gun, which delivers a high-paced pulse that breaks hardware free without damaging surrounding materials.

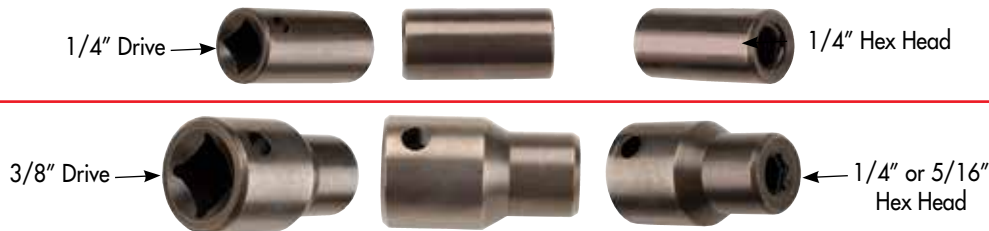
Each extractor includes a wrench and a 3/8" drive, 1/4" bit apex holder. Overall length of short extractor is 4"; standard one is 8".

DESCRIPTION	PART #
4" Short screw extractor	10119
8" Standard screw extractor	10122
Screw extractor combo (includes 1 of each size)	16096



Insert Bit Holders (Non Magnetic)

*** Not for use with power bits. Use with insert bits only.**



Drive	Hex Head	Part #
1/4"	1/4"	56110

Drive	Hex Head	Part #
3/8"	1/4"	56104
3/8"	5/16"	56105

Easy Outs/Screw Extractors

Use these extractors to remove those stubborn screws. The tapered, left-hand spiral flutes grip the screws firmly and take them out. Our spiral screw extractors have a black oxide coating for maximum cutting performance and corrosion protection. The coating, combined with a tough carbon tool steel construction, ensures longer tool life. **Made in USA.**

- Each extractor's size is permanently etched on the tool for quick and easy reference
- Intended to remove screws manually with T-handle tap wrench or equivalent

MODEL NO.	TO REMOVE BOLTS/SCREWS	USE DRILL BIT SIZE	SHANK DIAMETER	POINT DIAMETER	PART #
1	3/32" to 5/32"	5/64"	1/8"	.060"	14921
2	5/32" to 7/32"	7/64"	3/16"	.080"	14922
3	7/32" to 9/32"	5/32"	1/4"	1/8"	14923
4	9/32" to 3/8" & 1/8" pipe	1/4"	5/16"	3/16"	14924
5	3/8" to 5/8" & 1/4" pipe	17/64"	7/16"	1/4"	14925
5-Piece set					14920



HAND TOOLS

Rivet Removal Tool

Accepts Cobalt & High-Speed drill bits!

Get sheet metal repairs off to a good start with a tool that helps prevent damage to rivet holes and metal. The tool easily and accurately removes button head rivets and blind fasteners by drilling out the head – only the head, not the metal it holds. Attach rivet remover to drill, thread collet and drill bit into the tool, adjust drill depth so that only the rivet head will come off, then safely drill away.

Kits Include:

- Rivet removal tool
- #40, #30, #21 and #10 collets (1/2"-20 male threads)
- #40, #30, #21 and #10 threaded cobalt drill bits (1/4"-28 threads)

Part #13705 *

Rivet Removal Tool Kit with Fractional Bits

Part #65007 *

*The Yard Store's price includes the bits!



REPLACEMENT ITEMS

NUMBER BITS		FRACTIONAL BITS		COLLETS	
SIZE	PART #	SIZE	PART #	SIZE	PART #
#40	17103	3/32"	17087	#40	60110
#30	17113	1/8"	17090	#30	60111
#21	17133	5/32"	17093	#21	60112
#10	17153	3/16"	17096	#10	60113

Pry Bar (Scrivet Puller)

Designed to easily remove scrivet fasteners and BACB31 series sleeve bolts of various sizes.

- Model: ST991A-2
- Length: 7 1/2"

Part #46085

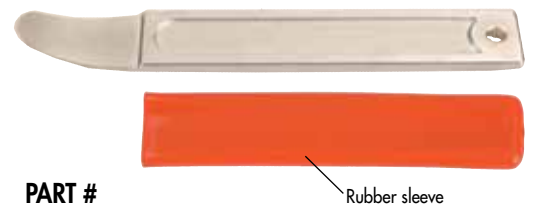


Skin Wedge/Pry Tool

Separate two pieces of metal with this hard-to-find tool that no sheet metal mechanic should be without. Made of high quality steel and heat-treated to perfection, allowing slight flexibility to reduce the chance of breaking.

- Overall length: 7"
- Width: 1"
- Body thickness: 1/4"

DESCRIPTION	PART #	DESCRIPTION	PART #
1-Piece skin wedge	14085	3-Piece wedge set	16085
1-Piece rubber sleeve	19085	3-Piece rubber sleeve	19086
1-Piece skin wedge w/rubber sleeve	19087	3-Piece skin wedge w/rubber sleeve	19088



Rivet Holder

Slide a rivet, small bolt or screw into this holder so you can install them in those hard-to-reach areas.

- Overall length: 4 7/8"

Part #50115



Hi-Lok®/Huck® Collar Cutters

Use in your rivet gun to remove Huck® and Hi-Shear® type collars. Save valuable time with no damage or marring to the skin.

- Overall length: 5 1/2"
- 10° offset
- .401 shank

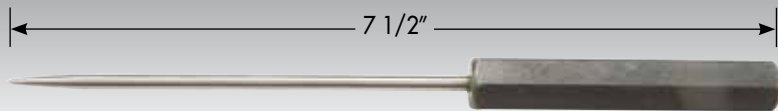
SIZE	PART #
1/8"	10091
5/32"	10092
3/16"	10093
1/4"	10094
4-Piece set	10095



PUNCHES, SCRIBES, TAPS

Aircraft Awl

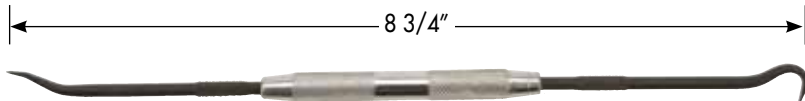
Use as a center punch, line-up drift pin, awl or scribe. Works on all types of material, including sheet metal, plastic and wood. All-steel tool is heat-treated and tempered.



Part #14030

Pig-Tail Hook Scribe

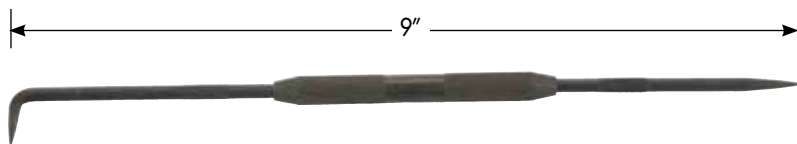
Both the 45° and pig-tail points of the scribe are made of hardened, ground steel. Both ends of the tool unscrew from the body.



Part #14229

Machinist Hook Scribe

Both the straight and 90° points of the scribe are made of hardened, ground steel.



Part #14029

Taps

Put these cost-effective taps into your tap handle and easily make high-quality holes for screws. Don't let the reasonable prices of these taps fool you – they're produced by top manufacturers.

• Made in USA

SIZE	PART #
6-32	16900
8-32	16901
10-32	16902
1/4-20	16903
1/4-28	16904
5/16-18	16905
3/8-16	16906



3-Piece Tap Wrench Set

These T-handle tap wrenches use a collet to secure the tap. Three sizes included: 1/8", 3/16" and 1/4".

Part #16915



YARDSTORE

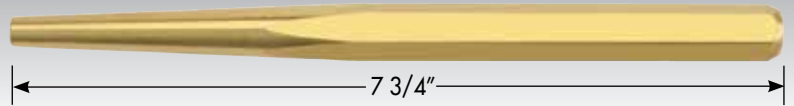
AIRCRAFT SHEET METAL TOOLS

PUNCHES

Brass Tapered Punch

This non-sparking punch is safe to use near many combustibles. Punch has a 5/8" hex body and tapers to a 3/8" point.

Part #77243



Brass Punch Set

This 8-piece set, made of non-sparking brass, contains 1/8", 9/64", 5/32", 3/16", 7/32", 1/4", 9/32" and 5/16" punches.

Part #10235



Transfer Punch Set

A must for toolmakers, machinists and tool cribs. Precision punches have a sharp point and are used to transfer holes. Made of the finest tool steel with a black oxide finish, they are carefully heat-treated and tempered for long life. Each punch is 4 7/8" long, and the set includes punches ranging from 3/32" to 1/2" in increments of 1/64", plus a handy 17/32" size.

- 28 total punches
- Stand included

Part #14083



Pin Punches

Punches are made of heat-treated steel. Each is 4" long with knurled body.

SIZE	PART #
3/32"	10223
1/8"	10224
5/32"	10225
3/16"	10226
1/4"	10227
5/16"	10228
6-Piece set	10232



Blind Hole Spotters (Transfer Pins)

Insert these spotters into threaded, drilled or reamed holes and mark the exact center for drilling the opposite hole. Each package contains six of one size.

6 Pieces per Package

SIZE	PART #
1/8"	13190
5/32"	13191
3/16"	13192
1/4"	13193
5/16"	13194



PUNCHES

Rivet Gun Knockout Punches

Put one of these punches in a rivet gun and it will knock loose stubborn fasteners.

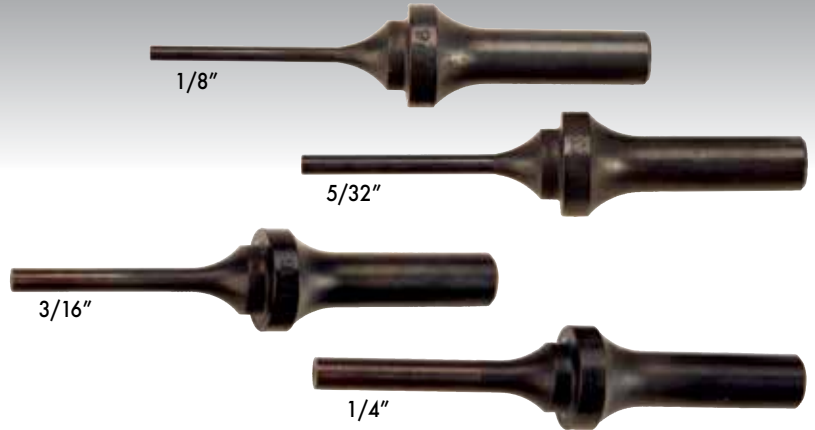
Buy the set and save more than 7%.

- Overall length: 3 1/2"
- .401 shank

*4-piece kit includes:

- 1/8", 5/32", 3/16" and 1/4" punches

SIZE	PART #
1/8"	10101
5/32"	10102
3/16"	10103
1/4"	10104
5/16"	10150
4-Piece set*	10215



Offset K/O Punch (Witches Finger)

Attach these long, angular punches to a rivet gun and knock out hard-to-reach stubborn fasteners.

- Overall length: 10"

POINT SIZE	PART #
1/8"	10151
5/32"	10149
3/16"	10152
1/4"	10153
4-Piece set	10350



Whitney-style Punch

Powerful light-weight hand punching tool for punching holes in all types of metals. Perfectly balanced tool with curved handles for a natural grip. Furnished with side gauge for depth adjustment (throat depth 2").

- Overall dimensions: Length 8 3/8", Height 3 7/8"
- Weight: 3.5 lbs.
- Will pierce up to 14 gauge mild steel
- Die sizes: 3/32", 1/8", 5/32", 3/16", 7/32", 1/4" and 9/32"

Part #10351

Replacement Male Punches

SIZE	PART #
3/32"	35101
1/8"	35102
5/32"	35103
3/16"	35104
7/32"	35105
1/4"	35106
9/32"	35107

Replacement Female Dies

SIZE	PART #
3/32"	35108
1/8"	35109
5/32"	35110
3/16"	35111
7/32"	35112
1/4"	35113
9/32"	35114

Replacement Power Punch Key

Part #35100

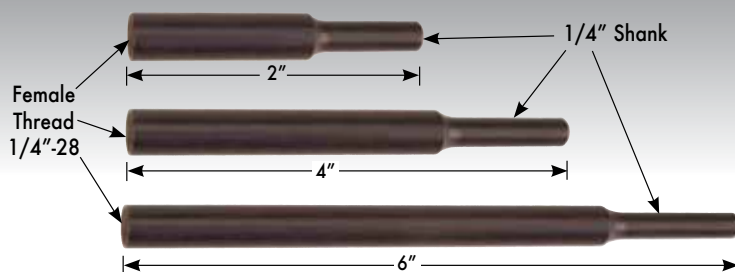


DRILL EXTENSIONS & PANCAKE ADAPTORS

Threaded Drill Extensions

Stretch the versatility of your drills with these extensions, which allow you to chuck threaded drill bits, countersinks and more into a standard drill chuck. Extensions have a 1/4" shank on one end and 1/4"-28 female threads on the other.

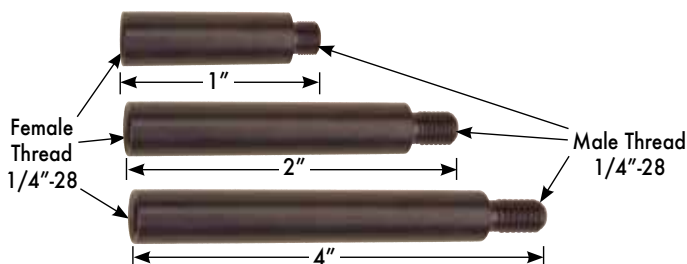
LENGTH	PART #
2"	13027
4"	13037
6"	13038
3-Piece set	13305



Dual-Threaded Extensions

Easily reach difficult spots with your 90° or 45° drills using these 1", 2" and 4" extensions. They have 1/4"-28 male threads on one end and 1/4"-28 female threads on the other.

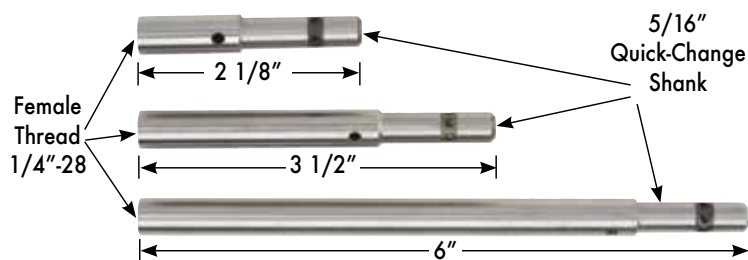
LENGTH	PART #
1"	13300
2"	13301
4"	13302
3-Piece set	13304



Quick-Change Drill Extension

Quickly insert and remove drill bits, countersinks and other industry-standard 1/4"-28 threaded tools from chucks with these extensions. Slide the appropriate length quick-change shaft into the chuck and attach a 1/4"-28 male threaded tool to the other.

LENGTH	PART #
2 1/8"	13308
3 1/2"	13306
6"	13309
3-Piece set	13310



Non-Threaded Drill Extension-4"

Extend a drill bit, spade bit, and more with this easy-to-use 4" extension.

- Overall length: 4"
- 1/4" female end
- 1/4" shank

Part #73051



1/4" Threaded Hex Shank Drill Adapter

This adapter will allow you to chuck 1/4"-28 threaded drill bits, countersinks and more into a standard drill chuck. Adapter has a 1/4" hex shank on one end and 1/4"-28 female threads on the other.

Part #70456



90° Drill Attachment

Allows any drill with a 1/4" chuck to accept the 1/4"-28 threaded bits and accessories used in the aircraft industry. 5 7/8" body length, 1 1/4" head height.

- Made in USA

Part #17800

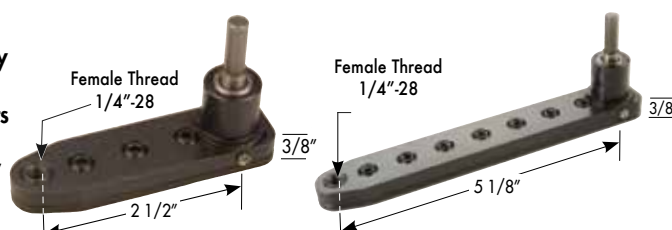


Offset Drill Attachments (Pancake Adaptors)

Put this attachment on your drill, screw a threaded bit into the other end and you'll be able to get into those hard-to-reach places.

- Accepts industry standard 1/4"-28 threaded bits
- 1/4" shaft
- Thickness: 3/8"

DESCRIPTION	THICKNESS	PART #
2 1/2" offset adaptor	3/8"	13029
5 1/8" offset adaptor	3/8"	13529



COLLETS, STEP DRILLS & GAUGES

Threaded Collets

These collets are designed to adapt a straight shank drill bit to your angle drill or drilling attachment.

- Thread size: 1/4"-28



**Buy a
5-piece
set and
save big.**

SIZE	DECIMAL	PART #
3/32"	.0938	13641
#40	.0980	13640
1/8"	.1250	13631
#30	.1285	13630
#27	.1440	13627
5/32"	.1562	13622
#21	.1590	13621
#20	.1610	13620

SIZE	DECIMAL	PART #
#13	.1850	13613
3/16"	.1875	13612
#11	.1910	13611
#10	.1935	13610
7/32"	.2188	13670
1/4"	.2500	13625
"F"	.2570	13680

www.yardstore.com

5-Piece Set (Numbers)

Includes: #40, #30, #21, #10 and 1/4"

Part #13650

5-Piece Set (Fractions)

Includes: 3/32", 1/8", 5/32", 3/16" and 1/4"

Part #13651

Step Drills

Step drills are self-starting and produce clean, accurate, burr-free holes. The bits have cutting steps of progressively larger diameters that allow you to drill different-sized holes using a single bit. Sizes are engraved on each "step" for easy reference.

- Made in USA

SIZE	HOLES	INCREMENTS	SHANK	PART #
1/8" to 1/2"	13	1/32"	1/4"	13018
3/16" to 1/2"	6	1/16"	1/4"	13019
3/16" to 7/8"	12	1/16"	3/8"	13020



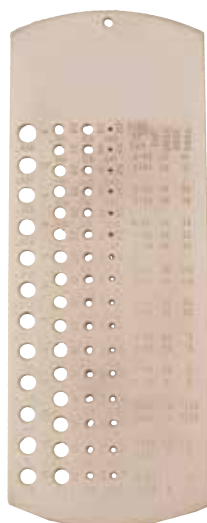
SPECIAL
BUY ALL THREE
STEP DRILLS

Part #13180

Drill Gauges

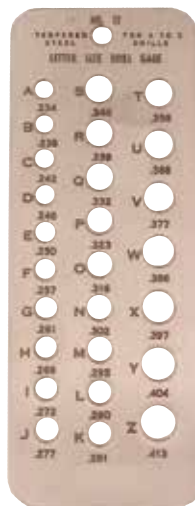
Who wants to guess at the size of a drill bit – and possibly guess wrong? All gauges made of heavy gauge hardened steel, machined and ground to close tolerance. Hole sizes and decimal equivalents are permanently etched into each gauge's face. Choose from number, letter and fractional gauges.

- Made in USA



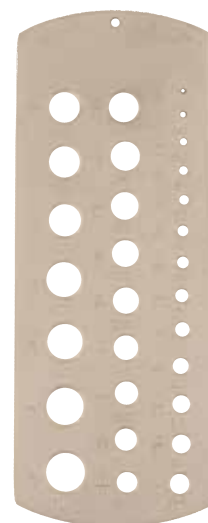
Number 1-60

Part #13045



Letter A-Z

Part #13046



Fractional 1/16"-1/2"

Part #13047

SCREWDRIVING TOOLS

Quantity pricing available on all bits on this page at 100+ pieces.

The Yard Store carries a wide variety of lengths and types of Phillips, Torq-Set®, Torx® and other bits, drivers and holders for your drill or other tools. All bits, drivers and holders are of the highest quality.



Phillips Insert Bits

These bits fit the Darwin Ratchet on page 127 and provide even better access to tight places.

Shorter 1/4" Hex Shank



Point Size	Overall Length	Hex Shank	Part #
1	11/16"	1/4"	56200
2	11/16"	1/4"	56201



Phillips Insert Bits

1/4" Hex Shank



Point Size	Overall Length	Hex Shank	Part #
1	1"	1/4"	56001
2	1"	1/4"	56006
3	1"	1/4"	56011
4	1-1/4"	1/4"	56012

5/16" Hex Shank



1	1-1/4"	5/16"	56020
2	1-1/4"	5/16"	56021
3	1-1/4"	5/16"	56022



Phillips Insert Bit (Reduced Nose)



Point Size	Overall Length	Hex Shank	Part #
2	1"	1/4"	56445



Phillips Power Bits

1/4" Hex Shank



Point Size	Body Diameter	Length	Hex Shank	Part #
1	3/16"	1-15/16"	1/4"	56033
2	1/4"	1-15/16"	1/4"	56034
3	1/4"	1-15/16"	1/4"	56035



ACR® Phillips Insert Bits

(Offers optimum torque while protecting against cam-out)

1/4" Hex Shank



Screw Size	Overall Length	Hex Shank	Part #
#2	1"	1/4"	56410
#2	1"	1/4"	56411
#2	1"	1/4"	56412
#3	1"	1/4"	56413



ACR® Phillips Power Bits

(Offers optimum torque while protecting against cam-out)

1/4" Hex Shank



Screw Size	Overall Length	Hex Shank	Part #
#1	1-15/16"	1/4"	56425
#2	1-15/16"	1/4"	56420
#2	1-15/16"	1/4"	56421
#2	1-15/16"	1/4"	56422

ACR® is a registered trademark of the Phillips Screw Company.

SCREWDRIVING TOOLS

Quantity pricing available on all bits on this page at 100+ pieces.

The Yard Store carries a wide variety of lengths and types of Phillips, Torq-Set®, Torx® and other bits, drivers and holders for your drill or other tools. All bits, drivers and holders are of the highest quality.



Torx® Insert Bits

1/4" Hex Shank



Point Size	Point Size (Ref.)	Overall Length	Hex Shank	Part #
T5	.055"	1"	1/4"	56051
T6	.065"	1"	1/4"	56052
T10	.107"	1"	1/4"	56056
T15	.128"	1"	1/4"	56057

Point Size	Point Size (Ref.)	Overall Length	Hex Shank	Part #
T20	.151"	1"	1/4"	56058
T25	.173"	1"	1/4"	56059
T30	.216"	1"	1/4"	56061
T40	.260"	1"	1/4"	56062



Torq-Set® Insert Bits

1/4" Hex Shank



Bullnose (56075)

1/4" Hex Shank



1/4" Hex Shank



Bullnose (56403)

Screw Size	Overall Length	Hex Shank	Part #
1	1"	1/4"	56063
2	1"	1/4"	56064
3	1"	1/4"	56065
4	1"	1/4"	56066
5	1"	1/4"	56067
6	1"	1/4"	56068

Screw Size	Overall Length	Hex Shank	Part #
8	1"	1/4"	56069
10	1"	1/4"	56070
1/4"	1"	1/4"	56071
1/4" Bullnose	1"	1/4"	56403
1/4" Bullnose	1-1/4"	1/4"	56075
5/16"	1-1/4"	5/16"	56072



Torq-Set® Power Bits

1/4" Hex Shank



Screw Size	Overall Length	Hex Shank	Part #
6	1-1/4"	1/4"	56076
8	1-1/4"	1/4"	56077
10	1-1/4"	1/4"	56078
1/4"	1-1/4"	7/16"	56079



ACR® Ribbed Torq-Set® Insert Bits

(Offers optimum torque while protecting against cam-out)

1/4" Hex Shank



Screw Size	Overall Length	Hex Shank	Part#
6	1"	1/4"	56400
8	1"	1/4"	56401
10	1"	1/4"	56402



Slotted Insert Bits

(For machine screws)

1/4" Hex Shank



Screw Size	Overall Length	Hex Shank	Part #
2F-3R	1"	1/4"	56140
3F-4R	1"	1/4"	56141

Torq-Set® and ACR® are registered trademarks of the Phillips Screw Company. Torx® is a registered trademark of Acument Global Technologies.

SCREWDRIVING TOOLS



MorTorq® Insert Bits

1/4" Hex Shank

Quantity pricing available on 100+ pieces.



Point Size	Overall Length	Hex Shank	Part #
#0	1"	1/4"	56300
#1	1"	1/4"	56301
#2	1"	1/4"	56302



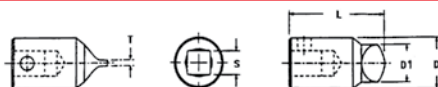
Hi-Torque® Drivers

(Also known as "Coin Slot" Bits)



Quantity pricing available on 100+ pieces.

* Conforms to MS33750



Screw Size	Recess	Drive S	T	D1	D	L	National Stock #*	Part #
3,4,5,6 (HTS-1)	1	1/4"	.049"	.274"	1/2"	1"	5120-00-797-2992	56087
8 (HTS-2)	2	1/4"	.059"	.295"	1/2"	1"	5120-00-863-4944	56088
10 (HTS-3)	3	1/4"	.059"	.377"	1/2"	1"	5120-00-797-2994	56089
1/4" (HTS-4)	4	1/4"	.073"	.502"	1/2"	1"	5120-00-863-4943	56090
5/16" (HTS-5)	5	3/8"	.079"	.629"	3/4"	1-1/4"	5120-00-863-4941	56092
3/8" (HTS-6)	6	3/8"	.095"	.745"	3/4"	1-1/4"	5120-00-863-4940	56093



Tri-Wing® Insert Bits

1/4" Hex Shank



Point Size	Overall Length	Hex Shank	Part #	Point Size	Overall Length	Hex Shank	Part #
#2	1"	1/4"	56122	#5	1"	1/4"	56125
#3	1"	1/4"	56123	#6	1-1/4"	1/4"	56126
#4	1"	1/4"	56124	www.yardstore.com			

Quantity pricing available on 100+ pieces.

Mor Torq® and Torq-Set® are registered trademarks of the Phillips Screw Company.

Insert Bit Holders (Non Magnetic)

* Not for use with power bits. Use with insert bits only.



Drive	Hex Head	Part #
1/4"	1/4"	56110



Drive	Hex Head	Part #
3/8"	1/4"	56104
3/8"	5/16"	56105

Bit Extension - Magnetic

Extension has 1/4" hex shaft.

Part #50150



Bit Extension - Non-Magnetic

Extension has a 1/4" shaft. Wire ring retains bit in place.

Part #50157



Husky Magnetic Bit Driver

- Holds 1/4" bits
- 3" shaft
- 4 1/4" handle

Part #80091



6" Magnetic Bit Holder

- Chrome plated alloy steel tube
- Universal fit 1/4" chrome vanadium steel hex shank
- Strong magnet retains bit in place
- Accepts any 1/4" hex shank driver bit

Part #50255



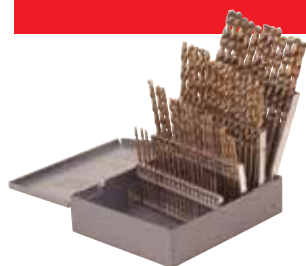
DRILL BIT SETS & INDEX BOXES



Choose drill bit sets made of premium M42 cobalt steel or high-speed steel. Their 135° split points penetrate faster and prevent “walking” that results in inaccurate holes or damaged materials. Keep your bits well organized with the included high-quality index boxes, which have tip-out storage and clear size markings. **All drill bits and index boxes shown on this page are made in USA.**

** ALL BITS SMALLER THAN .0625 HAVE NO SPLIT POINT*

COBALT BITS



Numbered 1-60 Bit Set – Cobalt

- 60 total pieces plus index box
- 135° split point

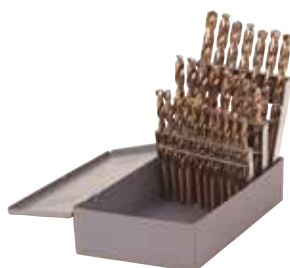
Part #32600



Fractional 1/16"-1/2" Bit Set – Cobalt

- 29 total pieces plus index box
- 135° split point

Part #32601



Letters A-Z Bit Set – Cobalt

- 26 total pieces plus index box
- 135° split point

Part #32602



Combo Set Includes Cobalt: Numbers, Letters & Fractional

- 115 total pieces plus index box
- 135° split point

Part #32603

HIGH-SPEED BITS



Numbered 1-60 Bit Set – High-Speed

- 60 total pieces plus index box
- 135° split point

Part #32605



Fractional 1/16"-1/2" Bit Set – High-Speed

- 29 total pieces plus index box
- 135° split point

Part #32606



Letters A-Z Bit Set – High-Speed

- 26 total pieces plus index box
- 135° split point

Part #32607

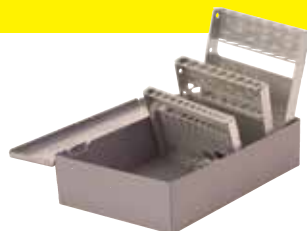


Combo Set Includes High-Speed: Numbers, Letters & Fractional

- 115 total pieces plus index box
- 135° split point

Part #32608

DRILL INDEX BOXES



Numbered Drill Index Box

- Holds 1 thru 60 bits

Part #13048



Fractional Drill Index Box

- Holds 1/16" thru 1/2" bits

Part #13050



Letters Drill Index Box

- Holds A thru Z bits

Part #13049



Combo Drill Index Box Includes: Numbers, Letters & Fractional

- Designed to hold Number, Letter & Fractional bits in one box

Part #13051

COBALT DOUBLE MARGIN BITS

Double margin drill bits have an additional margin ground behind the leading margin, providing twice the number of contact points. This second margin performs various functions to improve hole quality. The trailing margin burnishes the cavity, making a true hole and smoother finish, helping to provide a more concentric drilled hole.

- A reamer finish can be achieved with double margin bits, eliminating a second operation.
- When a double margin bit is used with a drill bushing, the four margins locate in the bushing, provide an over 200% increase in bushing support.
- When intermittent cutting is required, the double margin bit performs in two ways: enhanced margin support in the first cavity cut, and support on breakthrough, which stops the drill from wandering when in contact with the work piece.
- Drill back taper is more tightly controlled than a regular drill bit, enhancing a rounder hole location.
- The 135° split point provides immediate self-centering on contact with the work piece.

Double Margin



Numbered

SIZE	DECIMAL	PART #
#40	.0980	17900
#30	.1285	17901
#27	.1440	17902
#21	.1590	17903
#20	.1610	17904

SIZE	DECIMAL	PART #
#19	.1660	17905
#16	.1770	17906
#15	.1800	17907
#13	.1850	17908
#12	.1890	17909

SIZE	DECIMAL	PART #
#11	.1910	17910
#10	.1935	17911
#8	.1990	17912
#6	.2040	17913
#5	.2055	17914

Fractional

SIZE	DECIMAL	PART #
3/32"	.0938	17915
7/64"	.1094	17916
1/8"	.1250	17917
9/64"	.1406	17918
5/32"	.1562	17919

SIZE	DECIMAL	PART #
11/64"	.1719	17920
3/16"	.1875	17921
7/32"	.2188	17922
1/4"	.2500	17924
5/16"	.3125	17925

Letters

SIZE	DECIMAL	PART #
D	.2460	17930
F	.2570	17932
G	.2610	17933

Double Margin with Pilot



• Made in USA

SIZE	PILOT	DECIMAL	PART #
#30	#40	.1285	34000
#27	#40	.1440	34001
#21	#40	.1590	34002
#21	#30	.1590	34003
#20	#40	.1610	34004
#20	#30	.1610	34005
#16	#40	.1770	34006
#16	#30	.1770	34007
#13	#40	.1850	34008
#13	#30	.1850	34009
#13	#21	.1850	34010
#12	#40	.1890	34011
#12	#30	.1890	34012
#12	#21	.1890	34013

SIZE	PILOT	DECIMAL	PART #
#11	#30	.1910	34014
#11	#21	.1910	34015
#10	#40	.1935	34016
#10	#30	.1935	34017
#10	#21	.1935	34018
D	#13	.2460	34019
D	3/16"	.2460	34020
1/4"	#30	.2500	34021
1/4"	#21	.2500	34022
1/4"	#11	.2500	34023
1/4"	#10	.2500	34024
5/16"	1/4"	.3125	34025
3/8"	1/4"	.3750	34026
3/8"	5/16"	.3750	34027

6" Double Margin with Pilot



• Made in USA

SIZE	PILOT	DECIMAL	PART #
#30	#40	.1285	34080
#21	#40	.1590	34082
#21	#30	.1590	34083
#16	#30	.1770	34087
#13	#40	.1850	34088
#13	#30	.1850	34089
3/16"	#30	.1875	34096
#10	#30	.1935	34097
#10	#21	.1935	34098

COBALT JOBBER BITS



Quantity pricing available on all drill bits on this page at 100+ pieces.

All our cobalt jobber bits are produced from Premium M42 cobalt steel, with 135° split points that penetrate on contact and prevent “walking” that risks breaking bits and damaging materials. Bits have superior hardness for high-temperature applications and are designed for drilling hard, tough, high-strength materials. They last significantly longer than regular high-speed steel bits.

All of our jobber drill bits are **made in USA**.

Fractional 1/16" – 1/2" 135° Split Point



SIZE	DECIMAL	PART #
1/16"	.0625	32100
5/64"	.0781	32101
3/32"	.0938	32102
7/64"	.1094	32103
1/8"	.1250	32104
9/64"	.1406	32105
5/32"	.1562	32106
11/64"	.1719	32107
3/16"	.1875	32108
13/64"	.2031	32109
7/32"	.2188	32110
15/64"	.2344	32111
1/4"	.2500	32112
17/64"	.2656	32113
9/32"	.2812	32114

SIZE	DECIMAL	PART #
19/64"	.2969	32115
5/16"	.3125	32116
21/64"	.3281	32117
11/32"	.3438	32118
23/64"	.3594	32119
3/8"	.3750	32120
25/64"	.3906	32121
13/32"	.4062	32122
27/64"	.4219	32123
7/16"	.4375	32124
29/64"	.4531	32125
15/32"	.4688	32126
31/64"	.4844	32127
1/2"	.5000	32128
www.yardstore.com		

Letters A-Z 135° Split Point



SIZE	DECIMAL	PART #
A	.234	32200
B	.238	32201
C	.242	32202
D	.246	32203
E	.250	32204
F	.257	32205
G	.261	32206
H	.266	32207
I	.272	32208
J	.277	32209
K	.281	32210
L	.290	32211
M	.295	32212

SIZE	DECIMAL	PART #
N	.302	32213
O	.316	32214
P	.323	32215
Q	.332	32216
R	.339	32217
S	.348	32218
T	.358	32219
U	.368	32220
V	.377	32221
W	.386	32222
X	.397	32223
Y	.404	32224
Z	.413	32225



COBALT JOBBER BITS

Quantity pricing available on all drill bits on this page at 100+ pieces.

All our cobalt jobber bits are produced from Premium M42 cobalt steel, with 135° split points that penetrate on contact and prevent “walking” that risks breaking bits and damaging materials. Bits have superior hardness for high-temperature applications and are designed for drilling hard, tough, high-strength materials. They last significantly longer than regular high-speed steel bits.

All of our jobber drill bits are **made in USA**.

Numbered 1-60 135° Split Point



SIZE	DECIMAL	PART #
#1	.2280	32001
#2	.2210	32002
#3	.2130	32003
#4	.2090	32004
#5	.2055	32005
#6	.2040	32006
#7	.2010	32007
#8	.1990	32008
#9	.1960	32009
#10	.1935	32010
#11	.1910	32011
#12	.1890	32012
#13	.1850	32013
#14	.1820	32014
#15	.1800	32015
#16	.1770	32016
#17	.1730	32017
#18	.1695	32018
#19	.1660	32019
#20	.1610	32020
#21	.1590	32021
#22	.1570	32022
#23	.1540	32023
#24	.1520	32024
#25	.1495	32025
#26	.1470	32026
#27	.1440	32027
#28	.1405	32028
#29	.1360	32029
#30	.1285	32030

SIZE	DECIMAL	PART #
#31	.1200	32031
#32	.1160	32032
#33	.1130	32033
#34	.1110	32034
#35	.1100	32035
#36	.1065	32036
#37	.1040	32037
#38	.1015	32038
#39	.0995	32039
#40	.0980	32040
#41	.0960	32041
#42	.0935	32042
#43	.0890	32043
#44	.0860	32044
#45	.0820	32045
#46	.0810	32046
#47	.0785	32047
#48	.0760	32048
#49	.0730	32049
#50	.0700	32050
#51	.0670	32051
#52	.0635	32052
#53	.0595	32053
#54	.0550	32054
#55	.0520	32055
#56	.0465	32056
#57	.0430	32057
#58	.0420	32058
#59	.0410	32059
#60	.0400	32060

HIGH-SPEED JOBBER BITS



Quantity pricing available on all drill bits on this page at 100+ pieces.

Our high-speed jobber bits are made of the best heat-resistant steel. Their oxide finish creates a porous layer that holds cutting oil, which provides abrasion resistance and improves chip flow. Bits feature a 135° split point that penetrates on contact and prevents “walking” that can break bits and damage materials.

All of our jobber drill bits are made in USA.

ALL BITS SMALLER THAN .0625 HAVE NO SPLIT POINT

Numbered 1-60 135° Split Point



SIZE	DECIMAL	PART #
#1	.2280	32301
#2	.2210	32302
#3	.2130	32303
#4	.2090	32304
#5	.2055	32305
#6	.2040	32306
#7	.2010	32307
#8	.1990	32308
#9	.1960	32309
#10	.1935	32310
#11	.1910	32311
#12	.1890	32312
#13	.1850	32313
#14	.1820	32314
#15	.1800	32315
#16	.1770	32316
#17	.1730	32317
#18	.1695	32318
#19	.1660	32319
#20	.1610	32320
#21	.1590	32321
#22	.1570	32322
#23	.1540	32323
#24	.1520	32324
#25	.1495	32325
#26	.1470	32326
#27	.1440	32327
#28	.1405	32328
#29	.1360	32329
#30	.1285	32330

SIZE	DECIMAL	PART #
#31	.1200	32331
#32	.1160	32332
#33	.1130	32333
#34	.1110	32334
#35	.1100	32335
#36	.1065	32336
#37	.1040	32337
#38	.1015	32338
#39	.0995	32339
#40	.0980	32340
#41	.0960	32341
#42	.0935	32342
#43	.0890	32343
#44	.0860	32344
#45	.0820	32345
#46	.0810	32346
#47	.0785	32347
#48	.0760	32348
#49	.0730	32349
#50	.0700	32350
#51	.0670	32351
#52	.0635	32352
#53	.0595	32353
#54	.0550	32354
#55	.0520	32355
#56	.0465	32356
#57	.0430	32357
#58	.0420	32358
#59	.0410	32359
#60	.0400	32360



HIGH-SPEED JOBBER BITS

Our high-speed jobber bits are made of the best heat-resistant steel. Their oxide finish creates a porous layer that holds cutting oil, which provides abrasion resistance and improves chip flow. Bits feature a 135° split point that penetrates on contact and prevents “walking” that can break bits and damage materials.

All of our jobber drill bits are **made in USA**.

Fractional 1/16" – 1/2" 135° Split Point



**Quantity pricing
available
on 100+ pieces.**

SIZE	DECIMAL	PART #
1/16"	.0625	32400
5/64"	.0781	32401
3/32"	.0938	32402
7/64"	.1094	32403
1/8"	.1250	32404
9/64"	.1406	32405
5/32"	.1562	32406
11/64"	.1719	32407
3/16"	.1875	32408
13/64"	.2031	32409
7/32"	.2188	32410
15/64"	.2344	32411
1/4"	.2500	32412
17/64"	.2656	32413
9/32"	.2812	32414

SIZE	DECIMAL	PART #
19/64"	.2969	32415
5/16"	.3125	32416
21/64"	.3281	32417
11/32"	.3438	32418
23/64"	.3594	32419
3/8"	.3750	32420
25/64"	.3906	32421
13/32"	.4062	32422
27/64"	.4219	32423
7/16"	.4375	32424
29/64"	.4531	32425
15/32"	.4688	32426
31/64"	.4844	32427
1/2"	.5000	32428
www.yardstore.com		

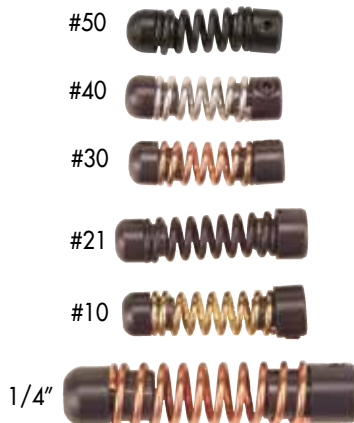
DRILL STOPS

Drill Stops

Put these coiled-spring drill stops over a drill bit and set the hole depth. Avoid over-and under-drilling. Positive stop, spring cushion contact. Color-coded by size.

SIZE	PART #
#50	12977
#40	12980
#30	12981
#21	12982
#10	12983
1/4"	13001
5-Piece set*	12984

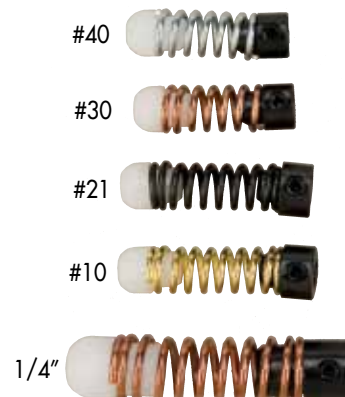
*5-piece set includes:
#40, #30, #21, #10 and 1/4"



No-Mar Drill Stops

These drill stops feature a nylon nose piece to help prevent damage to painted, polished or composite surfaces. Just slide the drill bit into the drill stop and set the desired hole depth to avoid over- and under-drilling. Sizes are color coded.

SIZE	PART #
#40	12960
#30	12961
#21	12962
#10	12963
1/4"	12964
5-Piece set	12965



THREADED COBALT JOBBER BITS

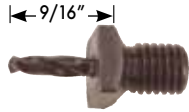


Quantity pricing available on all drill bits on this page at 50+ pieces.

All our cobalt threaded bits are produced from industrial-grade NAS 965 cobalt steel, have 135° split points that penetrate on contact and don't "walk", and will last significantly longer than regular high-speed steel bits. Bits have superior hardness for high-temperature applications and are designed for drilling hard, tough, high-strength materials. Depending on the kinds of work you'll be doing, choose from three types: stubby, short or long.

All of our threaded drill bits feature industry-standard 1/4"-28 threads and are **made in USA**.

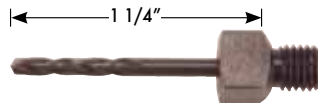
Cobalt 1/4" x 28 Threaded Shank Drill Bits



Stubby
Length: 9/16"

(1/8" and under is 1/2")

SIZE	DECIMAL	PART #
3/32"	.0938	17085
#40	.0980	17101
1/8"	.1250	17088
#30	.1285	17111
9/64"	.1406	18409
#27	.1440	17121
5/32"	.1562	17091
#21	.1590	17131
#20	.1610	17164
#19	.1660	17167
#18	.1695	18403
#16	.1770	17170
#13	.1850	17141
3/16"	.1875	17094
#12	.1890	17173
#11	.1910	17176
#10	.1935	17151
#8	.1990	17179
#7	.2010	17104
#5	.2055	17182
#4	.2090	17065
#3	.2130	17191
7/32"	.2188	17114
#2	.2210	18400
#1	.2280	17062
"D"	.2460	17185
1/4"	.2500	17161
"F"	.2570	17124
"G"	.2610	18406
5/16"	.3125	17188
3/8"	.3750	17134



Short
Length: 1 1/4"

(1/8" and under is 1")

SIZE	DECIMAL	PART #
3/32"	.0938	17086
#40	.0980	17102
1/8"	.1250	17089
#30	.1285	17112
9/64"	.1406	18410
#27	.1440	17122
5/32"	.1562	17092
#21	.1590	17132
#20	.1610	17165
#19	.1660	17168
#18	.1695	18404
#16	.1770	17171
#13	.1850	17142
3/16"	.1875	17095
#12	.1890	17174
#11	.1910	17177
#10	.1935	17152
#8	.1990	17180
#7	.2010	17105
#5	.2055	17183
#4	.2090	17066
#3	.2130	17192
7/32"	.2188	17115
#2	.2210	18401
#1	.2280	17063
"D"	.2460	17186
1/4"	.2500	17162
"F"	.2570	17125
"G"	.2610	18407
5/16"	.3125	17189
3/8"	.3750	17135

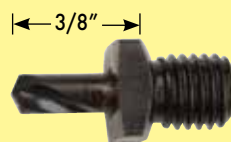


Long
Length: 2 1/8"

SIZE	DECIMAL	PART #
3/32"	.0938	17087
#40	.0980	17103
1/8"	.1250	17090
#30	.1285	17113
9/64"	.1406	18411
#27	.1440	17123
5/32"	.1562	17093
#21	.1590	17133
#20	.1610	17166
#19	.1660	17169
#18	.1695	18405
#16	.1770	17172
#13	.1850	17143
3/16"	.1875	17096
#12	.1890	17175
#11	.1910	17178
#10	.1935	17153
#8	.1990	17181
#7	.2010	17106
#5	.2055	17184
#4	.2090	17067
#3	.2130	17193
7/32"	.2188	17116
#2	.2210	18402
#1	.2280	17064
"D"	.2460	17187
1/4"	.2500	17163
"F"	.2570	17126
"G"	.2610	18408
5/16"	.3125	17190
3/8"	.3750	17136

COBALT & SOLID CARBIDE BITS

Very Stubby Cobalt 3/8" Drill Bits, 1/4" x 28 Threaded

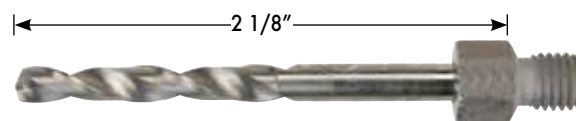
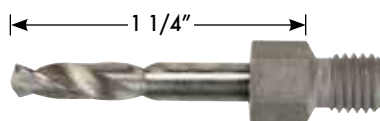
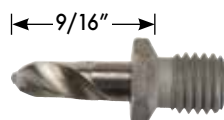


Quantity pricing available on 50+ pieces.

SIZE	DECIMAL	PART #
#40	.0980	17110
#30	.1285	17117
#21	.1590	17118
#16	.1770	18116
#13	.1850	18113
#10	.1935	17119

Our solid carbide bits have 135° split points that penetrate on contact and don't "walk". These bits are perfect for use with many advanced composite materials. **Made in USA.**

Solid Carbide 1/4" x 28 Threaded Shank Drill Bits



Stubby
Length: 9/16"
(1/8" and under is 1/2")

Short
Length: 1 1/4"
(1/8" and under is 1")

Long
Length: 2 1/8"

SIZE	DECIMAL	PART #	PART #	PART #
#40	.0980	15803	15804	15805
#30	.1285	15809	15810	15811
#21	.1590	15818	15819	15820
#20	.1610	15821	15822	15823
#13	.1850	15833	15834	15835
3/16"	.1875	15836	15837	15838
#10	.1935	15845	15846	15847
1/4"	.2500	15869	15870	15871

Solid Carbide Jobber Bits

• 118° Split Point



SIZE	DECIMAL	PART #
3/32"	.0938	36602
#40	.0980	36540
1/8"	.1250	36604
#30	.1285	36530
#27	.1440	36527
5/32"	.1562	36606

SIZE	DECIMAL	PART #
#21	.1590	36521
#20	.1610	36520
3/16"	.1875	36608
#10	.1935	36510
1/4"	.2500	36612

www.yardstore.com

6" & 12" DRILL BITS



Quantity pricing available on all drill bits on this page at 100+ pieces.

6" Cobalt Bits

All our cobalt 6" bits are produced from premium M42 cobalt steel, with 135° split points that penetrate on contact and prevent "walking" that risks breaking bits and damaging materials. Bits have superior hardness for high-temperature applications and are designed for drilling hard, tough, high-strength materials. They last significantly longer than regular high-speed steel bits.

Made in USA

SIZE	DECIMAL	PART #
3/32"	.0938	33102
#40	.0980	33040
1/8"	.1250	33104
#30	.1285	33030
#27	.1440	33027
5/32"	.1562	33106
#21	.1590	33021
#20	.1610	33020

SIZE	DECIMAL	PART #
#13	.1850	33013
3/16"	.1875	33108
#10	.1935	33010
D	.2460	33203
1/4"	.2500	33112
5/16"	.3125	33116
3/8"	.3750	33120
www.yardstore.com		

6" High-Speed Bits

Our high-speed 6" bits are made of the best heat-resistant steel. Their oxide finish creates a porous layer that holds cutting oil, which provides abrasion resistance and improves chip flow. Bits feature a 135° split point that penetrates on contact and prevents "walking" that can break bits and damage materials.

Made in USA

SIZE	DECIMAL	PART #
3/32"	.0938	33402
#40	.0980	33340
1/8"	.1250	33404
#30	.1285	33330
#27	.1440	33327
5/32"	.1562	33406
#21	.1590	33321
#20	.1610	33320

SIZE	DECIMAL	PART #
#13	.1850	33313
3/16"	.1875	33408
#10	.1935	33310
D	.2460	33503
1/4"	.2500	33412
5/16"	.3125	33416
3/8"	.3750	33420
www.yardstore.com		

12" Cobalt Bits

All our cobalt 12" bits are produced from cobalt steel, with 135° split points that penetrate on contact and prevent "walking" that risks breaking bits and damaging materials. Bits have superior hardness for high-temperature applications and are designed for drilling hard, tough, high-strength materials. They last significantly longer than regular high-speed steel bits.

Made in USA

SIZE	DECIMAL	PART #
3/32"	.0938	33902
#40	.0980	33840
1/8"	.1250	33904
#30	.1285	33830
#27	.1440	33827
5/32"	.1562	33906
#21	.1590	33821

SIZE	DECIMAL	PART #
#20	.1610	33820
#13	.1850	33813
3/16"	.1875	33908
#10	.1935	33810
1/4"	.2500	33912
4-piece number set*	-	33932
4-piece fractional set**	-	33933

*4-piece number set includes: #40, #30, #21 and #10

**4-piece fractional set includes: 3/32", 1/8", 5/32" and 3/16"

12" High-Speed Bits

Our high-speed 12" bits are made of the best heat-resistant steel. Their oxide finish creates a porous layer that holds cutting oil, which provides abrasion resistance and improves chip flow. Bits feature a 135° split point that penetrates on contact and prevents "walking" that can break bits and damage materials.

Made in USA

SIZE	DECIMAL	PART #
3/32"	.0938	33702
#40	.0980	33640
1/8"	.1250	33704
#30	.1285	33630
5/32"	.1562	33706
#21	.1590	33621

SIZE	DECIMAL	PART #
3/16"	.1875	33708
#10	.1935	33610
1/4"	.2500	33712
4-piece number set*	-	33930
4-piece fractional set**	-	33931

www.yardstore.com

*4-piece number set includes: #40, #30, #21 and #10

**4-piece fractional set includes: 3/32", 1/8", 5/32" and 3/16"

DRILL BITS



Solid Carbide Brad Point Drill Bits (Kev Drills)

These drill bits efficiently cut glass and carbon reinforced thermoset plastic composites. They are also very effective in cutting Kevlar®, Spectra Shield™ and similar organic reinforced composites. The specially designed drill bit tip allows the hole to be drilled relatively burr free and without delamination on entry or exit.

SIZE	DECIMAL	PART #	SIZE	DECIMAL	PART #
3/32"	.0938	19900	3/16"	.1875	19907
#40	.0980	19901	#10	.1935	19908
1/8"	.1250	19902	7/32"	.2188	19909
#30	.1285	19903	1/4"	.2500	19910
5/32"	.1562	19904	5/16"	.3125	19911
#21	.1590	19905	3/8"	.3750	19912

SIZE	DECIMAL	PART #	SIZE	DECIMAL	PART #
#40	.0980	34240	#13	.1850	34213
1/8"	.1250	34291	3/16"	.1875	34293
#30	.1285	34230	#11	.1910	34211
#27	.1440	34227	#10	.1935	34210
5/32"	.1562	34292	D	.2460	34264
#21	.1590	34221	1/4"	.2500	34294
#20	.1610	34220	5/16"	.3125	34295
#16	.1770	34216	www.yardstore.com		



Cobalt Stove Burner Drill Bits

Designed for tough applications in titanium and stainless, heat-treated materials and aluminum alloys. Furnished with no body clearance to permit greater strength. Abrasion resistant and improves the roundness of each hole.

SIZE	DECIMAL	PART #	SIZE	DECIMAL	PART #
3/32"	.0938	34602	#12	.1890	34512
#40	.0980	34540	#11	.1910	34511
1/8"	.1250	34604	#10	.1935	34510
#30	.1285	34530	#8	.1990	34508
#27	.1440	34527	#3	.2130	34503
5/32"	.1562	34606	7/32"	.2188	34610
#21	.1590	34521	"D"	.2460	34564
#20	.1610	34520	1/4"	.2500	34612
#19	.1660	34519	"G"	.2610	34567
#16	.1770	34516	5/16"	.3125	34616
#13	.1850	34513	3/8"	.3750	34620
3/16"	.1875	34608	www.yardstore.com		

New Item



Cobalt Screw Machine - 135° Split Point Bits

Designed for tough applications in titanium and stainless, heat-treated materials and aluminum alloys. Furnished with no body clearance to permit greater strength. Abrasion resistant and improves the roundness of each hole.

- Industrial-grade NAS Cobalt Steel (NSCO)
- Precision CNC machined for accuracy, improved chip evacuation and premium performance
- Split point tip for improved accuracy and control – penetrates surface on contact and prevents drill bit "walking"
- Superior red hardness for high temperature applications
- Engineered and manufactured for less end load pressure



Solid Carbide Dagger Drill Bits

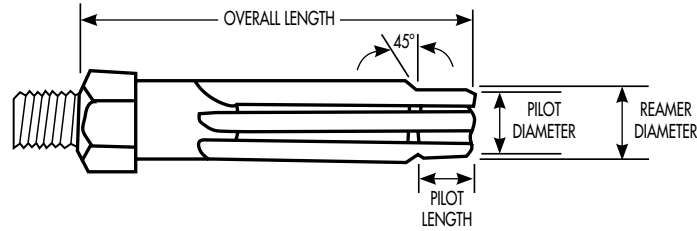
The dagger drills have proven to be the best drill for drilling un-backed carbon fibre, composite aluminum, fiberglass and reinforced plastics because of its ability to reduce delamination and at the same time produce a quality sized hole.

- Length: 6"
- No secondary ream operation required
- Drills holes within .0025 tolerance in a single operation
- Maximum heat dispersement while drilling
- Can be re-ground repeatedly without re-thinning the point
- Can be reconditioned into shorter lengths and smaller diameters
- Not necessary to center drill beforehand

SIZE	DECIMAL	PART #	SIZE	DECIMAL	PART #
#40	.0980	19951	#20	.1610	19956
1/8"	.1250	19952	3/16"	.1875	19957
#30	.1285	19953	#10	.1935	19958
5/32"	.1562	19954	1/4"	.2500	19960
#21	.1590	19955	www.yardstore.com		

THREADED SHANK REAMERS

Screw these reamers into your 90° or 45° drill and finish a drilled hole smoothly and accurately. All threaded reamers feature industry-standard 1/4"-28 threads. Made of high-speed steel M2 NAS 897.



Straight Flute

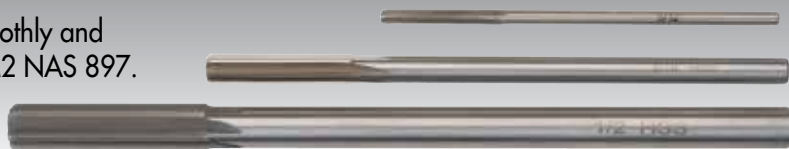
Reamer Diameter	Pilot Diameter	Pilot Length	Reamer Length	Part #
.1285	.0980	1/2"	2 1/4"	19859
.1590	.1285	1/2"	2 1/4"	19851
.1610	.1250	5/16"	2 1/2"	19800
.1850	.1600	5/16"	2 1/2"	19801
.1860	.1540	5/16"	2 1/2"	19802
.1870	.1600	5/16"	2 1/2"	19803
.1870	.1740	5/16"	2 1/2"	19804
.1875	.1600	5/16"	2 1/2"	19805
.1985	.1850	5/16"	2 1/2"	19806
.1985	.1945	5/16"	2 1/2"	19808
.2000	.1870	5/16"	2 1/2"	19807
.2000	.1840	1/2"	2 1/4"	19860
.2031	.1875	5/16"	2 1/2"	19810
.2130	.1980	1/2"	2 1/4"	19809
.2130	.1950	5/16"	2 1/2"	19811
.2140	.1970	1/2"	2 1/4"	19812
.2158	.2000	5/16"	2 1/2"	19813
.2160	.1980	1/2"	2 1/4"	19814
.2188	.2031	5/16"	2 1/2"	19815
.2314	.2158	3/8"	2 1/2"	19816
.2330	.2140	3/8"	2 1/2"	19817
.2340	.2130	3/8"	2 1/2"	19818
.2344	.2180	3/8"	2 1/2"	19819
.2455	.2340	3/8"	2 1/2"	19820
.2460	.2330	3/8"	2 1/2"	19821
.2470	.2314	3/8"	2 1/2"	19822
.2500	.2344	3/8"	2 1/2"	19823
.2600	.2310	3/8"	2 1/2"	19824

Reamer Diameter	Pilot Diameter	Pilot Length	Reamer Length	Part #
.2600	.2460	3/8"	2 1/2"	19825
.2610	.2450	3/8"	2 1/2"	19826
.2620	.2470	3/8"	2 1/2"	19827
.2621	.2470	3/8"	2 1/2"	19828
.2656	.2500	3/8"	2 1/2"	19829
.2755	.2600	3/8"	2 1/2"	19830
.2770	.2610	3/8"	2 1/2"	19831
.2780	.2620	3/8"	2 1/2"	19832
.2782	.2621	3/8"	2 1/2"	19833
.2812	.2656	3/8"	2 1/2"	19834
.2920	.2770	3/8"	2 1/2"	19835
.2930	.2780	1/2"	2 1/8"	19857
.2939	.2782	3/8"	2 1/2"	19836
.2969	.2812	1/2"	2 1/4"	19837
.3090	.2939	3/8"	2 1/2"	19838
.3100	.2920	3/8"	2 1/2"	19839
.3125	.2969	3/8"	2 1/2"	19840
.3230	.3100	3/8"	2 1/2"	19841
.3251	.3090	3/8"	2 1/2"	19842
.3281	.3125	1/2"	2 1/4"	19843
.3390	.3230	3/8"	2 1/2"	19844
.3390	.3350	3/8"	2 1/2"	19845
.3407	.3251	3/8"	2 1/2"	19846
.3438	.3281	1/2"	2 1/4"	19847
.3595	.3438	1/2"	2 1/4"	19848
.3710	.3550	5/16"	2 1/2"	19849
.3750	.3594	1/2"	2 1/4"	19850

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CHUCKING REAMERS

Put these tools in your drill and finish a drilled hole smoothly and accurately with these reamers. Made of high-speed steel M2 NAS 897. They have straight shanks and flutes and are available in numbered, fractional, letter and other decimal sizes.



SIZE	DECIMAL	PART #
3/32"	.0938	19102
#40	.0980	19040
7/64"	.1094	19103
1/8"	.1250	19104
#30	.1285	19030
9/64"	.1406	19105
#27	.1440	19027
5/32"	.1562	19106
#21	.1590	19021
#20	.1610	19020
#19	.1660	19019
11/64"	.1719	19107
#16	.1770	19016
#15	.1800	19015
#13	.1850	19013
3/16"	.1875	19108
#12	.1890	19012
#11	.1910	19011
#10	.1935	19010
#9	.1960	19009
-	.1985	19180
#8	.1990	19008
#7	.2010	19007

SIZE	DECIMAL	PART #
13/64"	.2031	19109
#6	.2040	19006
#5	.2055	19005
#3	.2130	19003
7/32"	.2188	19110
#2	.2210	19002
#1	.2280	19001
15/64"	.2344	19111
D	.2460	19153
-	.2470	19181
1/4"	.2500	19112
F	.2570	19155
G	.2610	19156
-	.2620	19182
17/64"	.2656	19113
J	.2770	19159
-	.2780	19183
9/32"	.2812	19114
-	.2939	19184
19/64"	.2969	19115
-	.3090	19185
-	.3100	19186
5/16"	.3125	19116

SIZE	DECIMAL	PART #
P	.3230	19165
-	.3251	19187
21/64"	.3281	19117
R.	.3390	19167
-	.3407	19188
11/32"	.3438	19118
23/64"	.3594	19119
3/8"	.3750	19120
25/64"	.3906	19121
13/32"	.4062	19122
27/64"	.4219	19123
7/16"	.4375	19124
29/64"	.4531	19125
15/32"	.4688	19126
31/64"	.4844	19127
1/2"	.5000	19128
17/32"	.5313	19129
9/16"	.5625	19130
19/32"	.5938	19131
5/8"	.6250	19132
3/4"	.7500	19133
www.yardstore.com		

HSS Straight Piloted Chucking Reamers



SIZE	PILOT	DECIMAL	PART #
#30	#40	.1285	29000
#21	#30	.1590	29002
#20	1/8"	.1610	29003
#13	.1600	.1850	29007
#13	.1985	.1850	29016
3/16"	.1600	.1875	29012
#10	.1760	.1935	29014
#7	#10	.2010	29021
#5	.1870	.2055	29023
#3	.1950	.2130	29024

SIZE	PILOT	DECIMAL	PART #
#3	.1985	.2130	29025
D	A	.2460	29040
.2470	.2314	-	29041
1/4"	15/64"	.2500	29042
F	.2450	.2570	29044
G	D	.2610	29048
.2620	.2470	-	29049
J	G	.2770	29054
.2780	.2620	-	29055
.2939	.2782	-	29061

SIZE	PILOT	DECIMAL	PART #
.3090	.2939	-	29065
.3100	.2920	-	29066
5/16"	19/64"	.3125	29067
P	.3100	.3230	29069
.3251	.3090	-	29071
R	P	.3390	29074
.3407	.3251	-	29076
3/8"	23/64"	.3750	29087
7/16"	27/64"	.4375	29104
1/2"	31/64"	.5000	29118

CHUCKING REAMERS & KITS

Solid Carbide Tapered Drill-Reamers

These tapered drill-reamers are commonly called "one shot" drills and are designed to cut single sheet composite materials and produce a delamination-free hole. This style drill can be used on a CNC machine or in a hand drilling operation.

- Overall length: 6"
- Four-flute design tapered to a point



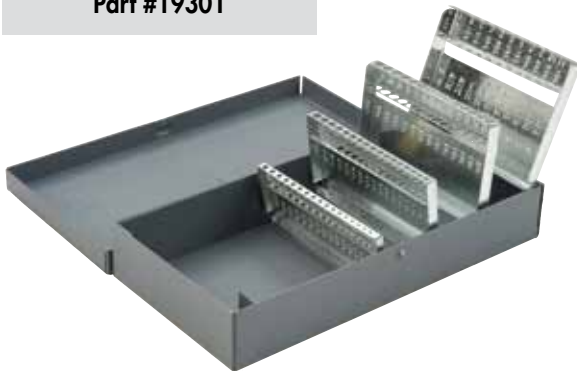
SIZE	DECIMAL	PART #
3/32"	.0938	40102
#40	.0980	40040
1/8"	.1250	40104
#30	.1285	40030
5/32"	.1562	40106

SIZE	DECIMAL	PART #
#21	.1590	40021
#20	.1610	40020
3/16"	.1875	40108
#10	.1935	40010
1/4"	.2500	40112

Numbered Reamer Index Box

- Holds 1 thru 60 reamers
- Made in USA

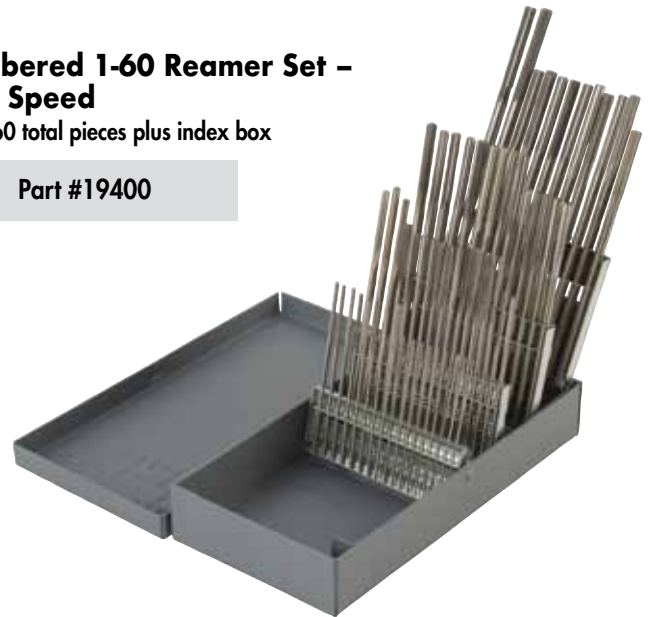
Part #19301



Numbered 1-60 Reamer Set – High Speed

- 60 total pieces plus index box

Part #19400



Fractional Reamer Index Box

- Holds 1/16" thru 1/2" reamers
- Made in USA

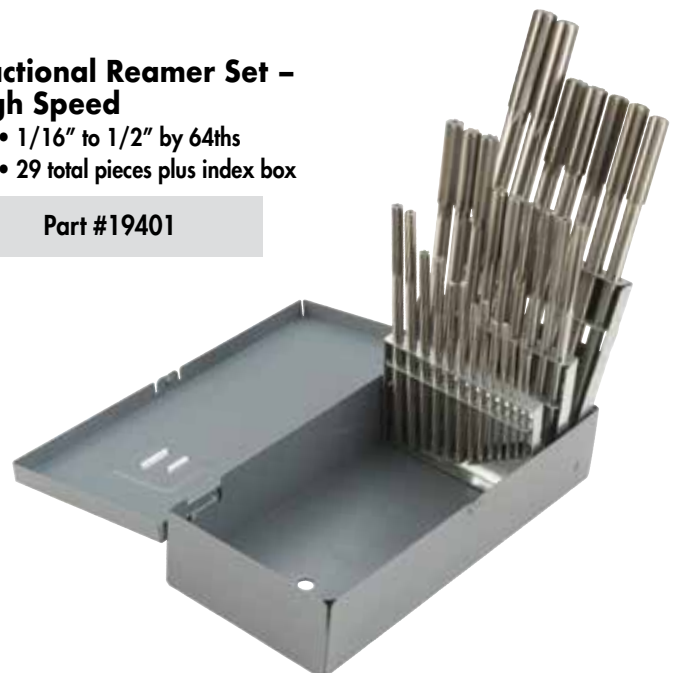
Part #19300



Fractional Reamer Set – High Speed

- 1/16" to 1/2" by 64ths
- 29 total pieces plus index box

Part #19401



ORDERING INFORMATION & WARRANTY

ORDERING INFORMATION

Shipping charges are extra and vary upon merchandise ordered. Expedited shipping arrangements are available for additional charges. Claims for incorrect shipping must be made within five (5) days of receipt of shipment. Quantities available are limited. Prices in this catalog are subject to change without notice. Visa, MasterCard, American Express, Discover, Paypal and most debit cards are accepted. We reserve the right to charge a credit card processing fee. All prices are in U.S. Dollars. Duties and taxes are the responsibility of the purchaser. Discounts cannot be combined. Pictures are for illustration purposes only. The actual product may vary slightly. We reserve the right to limit quantities ordered. The information in this catalog may contain typographical errors or inaccuracies and may not be complete or current due to many reasons beyond our control. We therefore reserve the right to correct any errors, inaccuracies or omissions and to change or update information at any time without prior notice (including after you have submitted your order). Please note that such errors, inaccuracies or omissions may relate to product description, country of origin, pricing and availability. Due to increased and volatile importation taxes and duties, we have been subject to unprecedented price increases recently. Please check www.Yardstore.com for the most current and accurate pricing. We apologize for any inconvenience this may cause you.

LIMITED WARRANTY

(CATALOG, INTERNET AND 10TH STREET PURCHASES)

The Yard Store will at its option replace or refund the purchase price of products sold by it within thirty days following shipping for catalog and internet orders and delivery for 10th Street location on site purchases which are defective in materials or workmanship. This limited warranty does not apply to cosmetic finishes on tools or special orders other than from The Yard Store inventory on hand. Return and replacement shipping charges shall be paid by the purchaser. This warranty extends only to the original purchaser and is the sole remedy in the event of defect or otherwise.

THIS WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE PURCHASER ACKNOWLEDGES THAT IT IS NOT RELYING ON THE YARD STORE'S SKILL OR JUDGMENT IN SELECTING PRODUCT SUITABLE FOR A PARTICULAR PURPOSE. THE YARD STORE HAS NO RESPONSIBILITY FOR A PRODUCT USED OR INSTALLED OTHER THAN IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. THE PURCHASER OF THE PRODUCT EXPRESSLY WAIVES ANY RIGHT IT MIGHT HAVE TO CONSEQUENTIAL OR INCIDENTAL DAMAGES RESULTING FROM A DEFECT OR OTHERWISE. ANY ACTION OR ARBITRATION CONCERNING THE PRODUCT MUST BE BROUGHT IN SEDGWICK COUNTY, KANSAS. THE LIMITED WARRANTY PROVIDED HEREBY IS PURCHASER'S SOLE AND EXCLUSIVE REMEDY.

Some products may have a separate warranty from the manufacturer. The above limitation does not apply to a manufacturer's warranty. Information concerning any available manufacturer's warranty will be supplied upon request to the Yard Store.



YARDSTORE

AIRCRAFT SHEET METAL TOOLS

Cage Code 3DNS7

TO OUR VALUED CUSTOMERS

One of the ways the internet has detrimentally impacted my life is my ability to interact on a personal level with many of our customers. I don't get to talk to the mechanics like I did when most orders were received by telephone.

I used to talk to our customers, and I miss learning and visiting with many of you regularly. I know we are busier than ever and it is not possible to talk to all of you, but I do miss it. Please remember, we are old fashioned and still answering phones if you would rather call us.

I am annoyed when I find something on the internet and want to ask a question but the web page makes it difficult to find a telephone number or an address. I realize it saves money for a business to only interact by email. However, this is not our way. We are still brick and mortar with a sales staff and mechanics answering the telephones. I take pride that our telephone number is easy to find on our web page.

Changing subjects, we are regularly contacted and asked for our toolbox stickers. Particularly our Jet Fuel sticker. No toolbox sticker has ever been even close to as popular as this one was and still is. Coming up with ideas for stickers is incredibly difficult.

I have asked before but will again, if you have an idea for a Yard Store sticker, please send your suggestions to: stickers@yardstore.com

If we use your idea, we will send you a gift card as a thank you.

Remember that you are our most precious resource. It is not our way to make your life more difficult. Our goal is the opposite. Top quality, in stock when you need it and at a fair price.

If you have a question about anything we sell, contact us.

Regards,

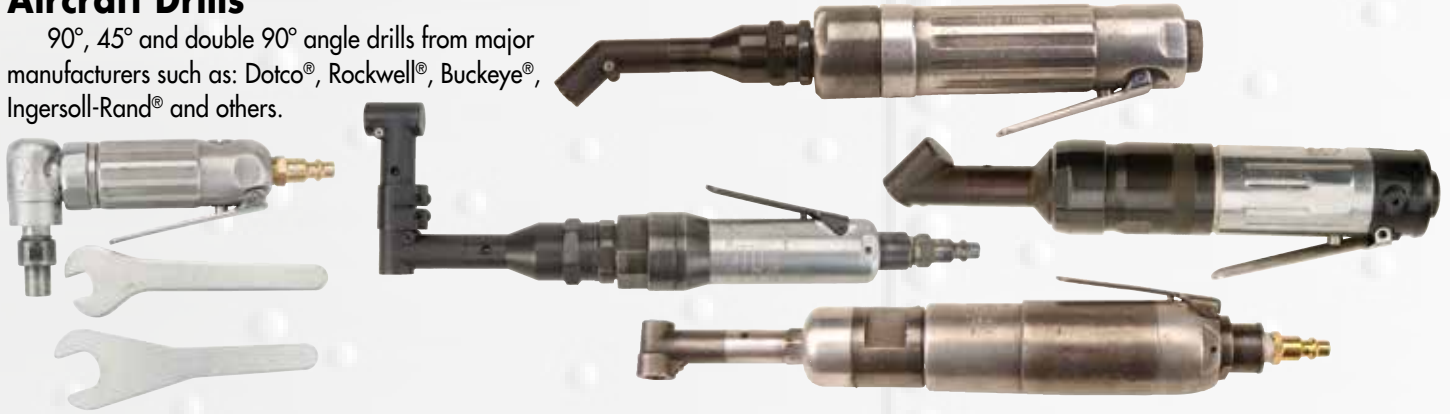
Ryan

SURPLUS, USED & REBUILT TOOLS

**WE HAVE AN EVER-CHANGING SUPPLY OF TOOLS FOR AIRCRAFT SHEET METAL WORKERS.
PLEASE VISIT YARDSTORE.COM/SURPLUS FOR CURRENTLY AVAILABLE TOOLS.**

Aircraft Drills

90°, 45° and double 90° angle drills from major manufacturers such as: Dotco®, Rockwell®, Buckeye®, Ingersoll-Rand® and others.



Rivet Squeezes & Yokes

Numerous hand and pneumatic single & tandem squeezes in stock. Brand names may vary. Also available in stock is a large selection of "A", "C" and Longeron yokes.



Rivet Guns and Hex Nut Cleco Runners

We always carry a large selection of pneumatic and recoilless guns from major manufacturers such as: Chicago®, Cleco®, Ingersoll-Rand®, Jiffy®, APT® and others.



Used Bucking Bars
Check our website for the numerous styles and sizes available.

SURPLUS, USED & REBUILT TOOLS

Blind Fasteners

Pneumatic riveters from major manufacturers such as: Huck®, Cherry®, All Fast®, Olympic®, Gage Bilt® and others. Nose pieces and pulling heads also in stock.



Hi-Lok® Installation Tools

Kits, replacement sockets ratchets.



Rivet Sets & Cleclos

A large selection of types and sizes always available.



Replenish your tool crib with aircraft quality tools and accessories.

Check our website for the Yard Store's ever expanding variety of tools and accessories designed to meet the needs of today's sheet metal mechanics.

Sealant Guns & Accessories

A large selection of nozzles, retainers, mixers, scrapers, spatulas and spoons are available.



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#20	.1610	34520
#19	.1660	34519
#16	.1770	34516
#13	.1850	34513
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