

# ECONOMY AIRCRAFT TOOLS



## STRAP DUPLICATOR (BUSHING TYPE)

For drilling an accurate hole in overlapping sheets. The Bushing type duplicator is used by sliding the end with the pin between the sheets and locating the hole to be duplicated from inside. P/N 12-01498 is pictured.

Description	Part No.	Price	Description	Part No.	Price
#10 6-1/4"	12-01494	---	#10 13-1/4"	12-01499	---
#21 6-1/4"	12-01495	---	#21 13-1/4"	12-01501	---
#30 6-1/4"	12-01496	---	#30 13-1/4"	12-01502	---
#40 6-1/4"	12-01497	---	#40 13-1/4"	12-01503	---
1/4" 6-1/4"	12-01498	---	1/4" 13-1/4"	12-01504	---



## STRAP DUPLICATOR (INVERTED TYPE)

For drilling an accurate hole in overlapping sheets. The inverted type duplicator allows you to locate a hole from the back of an overlapping sheet. #10 #21 #30 #40 1/4" drill sizes, 6-1/4" or 13-1/4". P/N 12-01507 is pictured.

Description	Part No.	Price	Description	Part No.	Price
#10 6-1/4"	12-01505	---	#10 13-1/4"	12-01510	---
#21 6-1/4"	12-01506	---	#21 13-1/4"	12-01511	---
#30 6-1/4"	12-01507	---	#30 13-1/4"	12-01512	---
#40 6-1/4"	12-01508	---	#40 13-1/4"	12-01513	---
1/4" 6-1/4"	12-01509	---	1/4" 13-1/4"	12-01514	---

## ECONOMY BLIND HOLE SPOTTERS



12-01775

12-01774

12-01773

12-01771

For inserting into drilled holes already bored and marking exact center for opposite hole. Available size: 5/16", 1/4", 3/16", 5/32" and 1/8"

Description	Part No.	Price	Description	Part No.	Price
5/16"	12-01775	---	3/16"	12-01773	---
1/4"	12-01774	---	1/8"	12-01771	---



## EDGE BREAKER

This tool allows the quick removal of burrs and roughness from the edges of sheet metal. .25" or .187" in diameter grooved blade with safety shield. Safety-grip plastic handle .....P/N 12-01527 ..... ---



## AIR SWIVELS & REGULATOR TOOLS

Air Swivel Connector W/ Regulator (Pictured to the left) .....P/N 12-01530 ..... ---  
Air Swivel Connector.....P/N 12-01529 ..... ---  
Air Swivel Regulator.....P/N 12-01545 ..... ---



## BRASS RIVET SET

This rivet set has a soft face to prevent damage to the fastener when inserted or removed. Fits into any standard rivet gun or air hammer that supports .401" shank tooling, 3 1/8" overall length. ....P/N 12-01543 ..... ---



## RIVET GUN SHAFT REDUCER

Rivet set adapter sleeve, .401 shank. Made of hardened steel (SKD11) and is open at both ends to allow maximum riveting power .....P/N 12-01544 ..... ---



## ECONOMY SAFETY WIRE TWISTERS

These top quality twisting lock pliers with automatic return are economically priced and extremely durable. Features a sharp cutting edge and will twist up to .060" dia. safety wire. Length 6" & 9". Foreign made.  
6" .....P/N 12-01472 ..... ---  
12" .....P/N 12-01473 ..... ---



## CANNON CONNECTOR PLIERS

The tool features serrated jaws for improved gripping and a slip joint for improved leverage. Ideal for all common cannon connector applications.

P/N 12-01531 ..... ---



## SHOP HEAD RIVET GAUGE SET

Set of four gauges for -3, -4, -5, -6 rivets. Each gauge measures Minimum height and Minimum diameter of shop heads AFTER setting. Eliminates guessing if your rivets are properly set. Works for measuring both universal head and flush rivets. Precision machined to size from 2024 aluminum. Rivet size permanently stamped on each gauge. Color coded anodized finish.

P/N 12-01533 ..... ---



## RIVET LENGTH GAUGE

One gauge measure -3, -4, -5, -6 rivets. Used to check for proper length of rivets Before setting. Eliminates measuring and guessing of rivets lengths. Works for both universal head and flush rivets. Precision machined to size from 2024 aluminum. Rivet size permanently stamped. Blue anodized finish.

P/N 12-01534 ..... ---



## DRILL EXTENSION THREADED

These are used to extend a straight chuck drill to 1/4-28 female threads.

2" .....P/N 12-01535 ..... ---  
4" .....P/N 12-01536 ..... ---  
6" .....P/N 12-01537 ..... ---



## DRILL EXTENSION DUAL THREADED

Use these different length extensions in your 90° or 45° drills. 1/4"-28 male threads on one end and 1/4"-28 female threads on other.

2" .....P/N 12-01541 ..... ---  
4" .....P/N 12-01542 ..... ---



## SLIM MICRO-STOP

A slim design that's only 11/16" outside diameter. Used for those narrow areas that can't be reached with a standard micro-stop. • 1/4" Shaft • 1/4"-28 Female Threads • Adjustable in .001" increments • 1/2" Cutter Capacity • Rates for 3000 RPM use.

P/N 12-01790 ..... ---



## MICRO-STOP (LONG NOSE)

This micro-stop reaches into very confined areas.  
• 5/16" Quick-change Shaft or regular chuck • 1/4"-28 Female Threads • Adjustable in .001" increments • 3/8" Cutter Capacity • Rates for 3000 RPM use

P/N 12-01789 ..... ---



## MICRO-STOP (NYLON FACE)

• 1/4" Shaft • 1/4"-28 Female Threads • Adjustable in .001" increments • 11/16" Cutter Capacity • Rates for 3000 RPM use .....P/N 12-01788 ..... ---



## 5.5" STRAIGHT & OFFSET RIVETS

Made of steel and heat-treated for long tool life. The precision made cups are highly polished. .401 shank. Length: 5.5". Cup Sizes: 3/32", 1/8", 5/32" & 3/16". For AN470 rivets.

Size	Straight	Price	Offset	Price
3/32"	12-02326	---	12-02330	---
1/8"	12-02327	---	12-02331	---
5/32"	12-02328	---	12-02332	---
3/16"	12-02329	---	12-02333	---



## ALUMINUM & NYLON RIVETS

This rivet set has a soft face to prevent damage to the fastener when inserted or removed. Fits into any standard rivet gun or air hammer that supports

.401" shank tooling. • Surface: 1" • Length: 3 1/8"

Nylon Rivet .....P/N 12-02342 ..... ---

Aluminum Rivet .....P/N 12-02343 ..... ---



## RADIUS OR FILLET GAUGES

16 leaves, especially for checking radius of inside and outside fillets and corners. Checks 1/32 to 17/64" by 64ths.....P/N 432A..... ---