

COUNTERSINK CUTTERS

DIMPLE DIE SETS



The "Spring back" dimple dies are the best-designed dimple dies on the market today. These 100 degree dies are designed to greatly reduce deflection of the sheet metal. This stainless steel tool is built for years of quality service. The 3/16" shaft enables use in most pneumatic and hand squeezes.

#6 Male/Female #6 Screw P/N 12-05535 **\$16.50**
 #8 Male/Female #8 Screw P/N 12-05536 **\$16.50**
 3/16" Male/Female AN426 P/N 12-05537 **\$16.50**

ATS ADJUSTABLE SQUEEZER RAM

Adjustable ram eliminates the need for shims. Simply rotate the set holder until the desired clearance is reached and begin riveting. Made of hardened high strength steel and polished to minimize surface wear.

P/N 12-04968 **\$59.75**



100° AT455 COUNTERSINK CUTTER

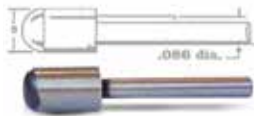
Designed for operating in angle drills with 1/4-28 threads and in the AT441SLS Micro Stop Countersink. Has 1/4-28 threaded shank. Cutter angle 100°. AT455D-4 has 7/16" dia. cutter head. Use with AT484 pilots.

P/N AT455D-4 **\$21.95**



AT484 PILOTS

AT484 replaceable pilots have a .086" dia. shank with a flat to accommodate the set screw of the AT455 cutter. An undercut permits the head to seat on the cutter angle. Order by P/N **\$13.50 ea.**



Part No.	Head Dia. "D"	Part No.	Head Dia. "D"
AT484-2	#40	AT484-56	3/32
AT484-12	#30	AT484-57	1/8
AT484-21	#21	AT484-59	5/32
AT484-31	#11	AT484-61	3/16
AT484-32	#10	AT484-63	7/32

AT441 HSS MICROSTOP COUNTERSINK



AT441 HS Micro Stop Countersink, similar to the AT442SLS unit, except with 1/4-28 female threaded nose to accommodate AT455 cutter.

P/N 12-01591 **\$27.90**

FLUSH RIVET SET WITH RUBBER RING



Features a rubber ring around the face to reduce slippage and to prevent damage to aircraft skin. Face Diameter: 1 1/4". Shank: 0.401".

Rivet Set P/N 12-03361 ... **\$15.75**
 Replacement Rubber Ring... P/N 12-03362..... **\$4.35**

MICRO-STOP COUNTERSINK CAGES AND NYLON FOOT PIECE



2 Models available-one with NEEDLE bearing and one with BRONZE bushings. .001" increment depth adjustment. Positive adjustment lock. 1/4" dia. shank. 9/32" shaft travel. 9/16" cutter capacity. For 1/4-28 threaded cutters. Comes with "NO-MAR" foot piece. Rated at 3,000 RPM. Made in USA.

with Bronze Bushings..P/N 12-01412 **\$38.95**
 with Needle Bearings...P/N 12-00940 **\$47.75**

AT 409 SERIES STRAIGHT SHANK COUNTERSINK WITH INTERCHANGEABLE CUTTERS AND PILOTS



Assembly, consists of AT418E (1/2") cutter, AT416 pilot and AT409-1, 1/4" straight-shank. Has a collet-type shaft to securely hold the replaceable pilot.

When ordering specify: Part number of cutter and pilot dia.

Assembly Example: AT409 with 100° cutter A418E & 1/8 pilot. (AT416-57) Adapter only
 P/N AT409-1..... **\$19.50**

AT418 STOP COUNTERSINK CUTTERS



Three-straight flute replaceable pilot cutters with female thread. These cutters are designed with extra deep flute to permit numerous resharpenings and radial clearance to assure fast smooth cutting. For Replaceable Pilots Refer to AT416 Series. Used With AT418

Part No.	Cutter Dia.	Thread Size	Pilot Hole	Price
AT418A-4	1/4"	1/4 - 28	.086	\$32.50
AT418D-4	7/16"	1/4 - 28	.086	\$39.50
AT418E-4	1/2"	1/4 - 28	.086	\$28.50

120° AT418 COUNTERSINK CUTTER



Same type cutter as described above except with 120° Cutter Angle. 7/16" Cutter Diameter.

P/N AT418D-7 **\$39.50**

AT416 PILOTS

Fit AT418 cutters. Undercut permits head to seat on cutter angle. Order by Part No. in table below.

Order by part Number. **\$13.90 Ea.**

Part No.	Head Dia. "D"	Part No.	Head Dia. "D"
AT416-2	#40	AT416-56	3/32
AT416-12	#30	AT416-57	1/8
AT416-21	#21	AT416-59	5/32
AT416-31	#11	AT416-61	3/16
AT416-32	#10	AT416-63	7/32
		AT416-65	1/4

COUNTERSINK SETS



Countersinks made of high-speed steel, 3-fluted and 14" - 28 threaded. Set includes #40, #30, #21, #10, and 1/4".

Countersink 82 degree 5 pc. set P/N 12-02883 **\$42.95**
 Countersink 120 degree 5 pc. set P/N 12-02884 **\$42.95**

SNAP SOC 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. Helps to prevent

against damage to the rivet or adjoining aircraft skin. Color coded for easy use. Each cap lasts for approximately 50-70 rivets. **Note: Rivet Set pictured is not included.**

Color	Size	Part No.	Price
White	3/32"	12-03363	\$17.50
Orange	1/8"	12-03364	\$17.55
Green	5/32"	12-03365	\$17.50
Yellow	3/16"	12-03366	\$18.50
Blue	1/4"	12-03367	\$17.50

DIE GRINDER MANDREL



Die Grinder Arbor (Mandrel). Holds your cutoff wheels. It has a 1/4" shank for use in most drills and die grinders. Can accommodate either 1/4" or 3/8" cut-off wheel through hole sizes.

P/N 12-02924 **\$4.95**