# tube can easily get into tiny spaces to clean. The canvas bag is easily removed for cleaning......P/N 12-01474

**ALUMINUM BODY MINI AIR VACUUM** 

**CHIP CHASER** Ideal for removing chips and burrs from between metal after drilling rivet holes. Each chaser features a plastic molded handle and flexible steel blade with hook on the

A handy air powered vacuum works off an air compres-

end. Blades are 5.5" and 2.5" long. 2.5".....P/N 12-01597 5.5".....P/N 12-01476

#### DOGLEG DEBURRING TOOL

Swivel action of this tool makes deburring holes fast and easy. Shaft includes a 1/4"-28 threaded holder. \*Flute De-burring cutter sold separately - P/N 12-00625 P/N 12-01478

#### Accessories

Replacement Deburring Bit	P/N 12-03755
Swivel Handle Only	
Extension Shaft only	P/N 12-00624
HSS 3 Flute De-burring cutter	P/N 12-00625

## **CLECO PLIERS**

Used in limited access areas, requires less travel per activation.....P/N 12-01480

# CLECALL STEEL UPRIGHT **CLECO PLIERS**

Clecall Upright Steel Cleco Pliers: Faster to use / Easier to Activate. Spring Loaded to open with less effort. Latest design accommodates 1/4" Cleco width. Forged steel for heavy duty use. Handle Compression distance reduced further for more comfort. Reduce fatigue and wrist pain. Vertical profile installs clecos in

tight areas with ease. Install clecos on upside down surfaces easily..... Economy Steel Pliers ......P/N 12-03756

#### SPRING TENSION CLAMPS (ZINC ALLOY YOKE OR STEEL YOKE)

Spring tension clamps can be applied in a fraction of the time required for ordinary screw clamps. The clamp, with 2" throat depth, has a Zamak alloy yoke and a steel spring which provides a 70 lb. clamping pressure. Designed for use with sheet holder pliers.

Description	Grip Range	Part No.	Price
Zine Alloy	0 - 1/2"	12-01481	
Steel 2"	0 - 1/2"	12-01482	
Steel 3"	1/4" - 5/8"	12-01483	

# SIDE GRIP CLAMPS

Designed to hold two or more work pieces together where no holes exist. Clamping force is applied at edge of work. Spring loaded, plier actuated. The lack of a takeup screw makes it impossible to over-tighten and damage the work surfaces or the clamp. There are 4 standard sizes: 1/2 x 1/2", 1/2 x 1", 3/4 x 1/2", 3/4 x 1".

Description	Part No.	Price
1/2" x 1/2"	12-01484	
1/2" x 1"	12-01485	
3/4" x 1/2"	12-01486	
3/4" x 1"	12-01487	

### DRILL STOPS

Use when drilling in sheet metal to help eliminate drill breakage & surface marks. Safely keeps drill from going too far through the work. Drill stops have a coiled spring to

cushion the drill breakthrough & prevents the drill chuck from marring the

WOLK SULLACE. COLOI COUED IOI Easy	identification.
#10P/N 12-01488	#20 P/N 12-01489
#30P/N 12-01490	#40 P/N 12-01491
#1/4P/N 12-01492	#5/16 P/N 12-01493

# CYLINDER BASE NUT WRENCHES



Where torque application accuracy is critical these tools meet the requirement. They offer excellent rigidity and surpass other wrenches in overall quality and efficiency. Wrench Type A is for sizes 1/2", 9/16", 5/8", and 3/4" hex nuts. Also available in a kit.

ype A 1/2"	P/N	12-01525
ype A 9/16:		
ype A 5/8"	P/N	12-01569
Sylinder Base Nut Wrench Set		

NOMY AIRCRAFT TO

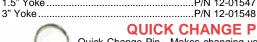
Features includes an all-steel construction, adjustable set holder (accepts all sets with 3/16" shank), and long handles for increased force. The yoke is made of the highest quality tool steel, and by simply removing 3

pins you can change the yoke to match your riveting or dimpling application. Each squeezer includes the voke of the coordinating size.

Description	Part No.	Price	Description	Part No.	Price
1" Squeezer	12-01460		1" Yoke	12-01457	
2" Squeezer	12-01461		2" Yoke	12-01458	-
3" Squeezer	12-01462		3" Yoke	12-01459	

### STAINLESS STEEL HAND SQUEEZER

This stainless steel hand squeeze made of quality stainless steel construction. Features include an adjustable set holder (accepts all sets and dies with 3/16" shank) and a locking lever arm. Yokes are easily interchangeable by simply removing three roll pins and designed to accept yokes and parts made by other stainless steel hand squeeze manufacturers. Includes a 3" Yoke. 1.5" is sold separately. S/S Hand Squeeser 3"......P/N 12-01464 



#### **QUICK CHANGE PIN**

Quick Change Pin. Makes changing yokes quicker & easier.

3/4" Reach......P/N 12-01798



# RIVET SET FOR SQUEEZER

FLUSH & CUPPED) - Made of steel and heat-treated for long wear and tool life. .187" (3/16") shank. • 2 Flush sets required for Flush Head Rivets • 1 Flush and 1 Cup required for Round Head Rivets. • Sold as individual items / not a pair

Description	Part No.	Price
Flush 1/8	12-01466	
Flush 3/16	12-01554	
Flush 5/16	12-01556	
Flush 3/8	12-01557	
Flush 7/16	12-01558	

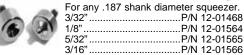
Description	Part No.	Price
Flush 1/2	12-01559	
Cupped 1/8	12-01561	
Cupped 5/32	12-01562	
Cupped 3/16	12-01563	



#### 1-1/2" AND 3 YOKES

• Holds 3/16" die sets • Adjustable set holder • Stainless steel construction. 1-1/2".....P/N 12-01547 3".....P/N 12-01548

#### **DIMPLE DIES**



Economy Dimple Die Set Includes: 3/32", 1/8", 5/32", 3/16"......P/N 12-01467

#### SCREW REMOVAL TOOL

· Useful in removing screws that are corroded or have stripped heads • 401 Parker taper shank for use in rivet gun • 3/8" square socket end

Use standard Phillips or Slotted insert bits • Rivet gun required • 1/4" hex adapter not included. 4" Tool ......P/N 12-01567

#### MICRO-STOP

This tool permits you to set the desired cut depth to help eliminate mistakes and skin damage. • 1/4" Shaft travel • Depth adjustable in .001" increments • 1/4"-28 Female Threads • Rated for 3,000 .....P/N 12-01470

#### **HEAVY DUTY 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". P/N 12-01471

#### **ECONOMY RIVET SET**

2.5" Straight & Offset Rivet. Made of steel and heattreated for long tool life. The precision made cups are 

2.0 Ottaignt 0/02	
2.5" Straight 1/8"	P/N 12-02319
2.5" Straight 5/32"	
2.5" Straight 3/16"	

