

# RIVET SQUEEZERS – RIVET SETS



## HANDI-CLAMPS

Handi-Clamps are a specially designed tool for clamping various types of surfaces, shapes and thicknesses. Ideal for holding light plastics, wood, sheet metal and other materials temporarily. The clamping cap is 0-5/16" TP640HC - 1" Jaw Depth ..... P/N 12-02305  
TP641HC - 1-1/2" Jaw Depth ..... P/N 12-02306

## SIDE GRIP CLAMPS



Side-Grip clamps are designed to clamp at the edge of the work area. Ideal for holding work pieces of all types, particularly during bonding, sealing or gluing operations. Plier-operated. Spring loaded. Constant clamping force. Color-coded for easy identification. Use TP74 or US902 installation tool. Made in the USA

| Part No. | Clamping CAP (GAP) | EFF. Body Depth (Reach) | Body Length | Price |
|----------|--------------------|-------------------------|-------------|-------|
| 12-01161 | 0-1/2"             | 1/2"                    | 2-3/16"     | .     |
| 12-01162 | 0-3/4"             | 1/2"                    | 2-7/16"     | .     |
| 12-01143 | 0-1/2"             | 1"                      | 2-3/16"     | .     |
| 12-02643 | 0-3/4"             | 1"                      | 2-7/16"     | .     |

## AT-114C3 QUICK-CHANGE RETAINER SPRING



Makes possible the changing of rivet sets without removal of retainer spring. For .402" shank dia. rivet sets.....P/N 12-01079 ..... /ea.

## AT 107A FLUSH RIVET SETS

Large radii at critical points to prevent breakage. Slightly crowned, highly polished face designed for rapid flush riveting where a smooth skin surface is essential. Shank dia. .401".

| Part No.  | Face Dia. | Length | Price |
|-----------|-----------|--------|-------|
| AT-107A-1 | 1"        | 2-3/4" | .     |
| AT-107A-3 | 1-1/4"    | 3-3/4" | .     |

## AT 100A STRAIGHT RIVET SETS

Cup surfaces are highly polished and guaranteed to conform with rivet heads. Carried in stock in AN470 (MS20470) universal-head cup shape. Overall length, 3-1/2", .401" dia. centerless-ground shank.

AT-100A-3-3/32.....3/32"  
AT-100A-3-3/16.....3/16"

## AT 101A OFFSET RIVET SETS

Same tool as AT100A but has 10° bend 1" back from the cup to allow added clearance. Permits easier riveting where obstructions are encountered.

AT-101A-3-3/32.....3/32"  
AT-101A-3-3/16.....3/16"

## TATCO HAND RIVET SQUEEZER

This tool was designed and built as a portable low cost solution for both small and large aerospace applications. It is made of aerospace grade stainless steel and heat treated on all wear and deflecting components to 38/42 on the Rockwell Hardness Scale. A large variety of interchangeable yokes are available with ranges from as small as 1.00" to 6.00" reach. It has proven itself over the years as a portable rugged solution, for light to medium duty, rivet squeezing applications.

| Model   | Dimensions                | Part No. | Price |
|---------|---------------------------|----------|-------|
| THS-10  | 1-1/4" Gap x 1" Reach     | 12-03674 | .     |
| THS-15  | 1-1/4" Gap x 1-1/2" Reach | 12-00300 | .     |
| THS-20  | 1-1/4" Gap x 2" Reach     | 12-03675 | .     |
| THS-22  | 2" Gap x 2" Reach         | 12-03676 | .     |
| THS-25  | 1-1/4" Gap x 2-1/2" Reach | 12-03677 | .     |
| THS-30  | 1-1/4" Gap x 3" Reach     | 12-03678 | .     |
| THS-35  | 1-1/4" Gap x 3-1/2" Reach | 12-03679 | .     |
| THS-40  | 1-1/4" Gap x 4" Reach     | 12-03680 | .     |
| THS-50  | 1-1/4" Gap x 5" Reach     | 12-03681 | .     |
| THS-100 | 1" Gap x 2" Reach         | 12-03683 | .     |
| THS-101 | 1-1/4" Gap x 1-1/2" Reach | 12-03684 | .     |

### TATCO SQUEEZER YOKES FOR RIVET SQUEEZER

| Model  | Description  | Part No. | Price | Model   | Description  | Part No. | Price |
|--------|--------------|----------|-------|---------|--------------|----------|-------|
| THY-10 | 1" Yoke      | 12-00308 | .     | THY-40  | 4" Yoke      | 12-00322 | .     |
| THY-15 | 1.5" Yoke    | 12-00309 | .     | THY-50  | 5" Yoke      | 12-00323 | .     |
| THY-20 | 2" Yoke      | 12-00310 | .     | THY-100 | 1" x 2" Yoke | 12-03688 | .     |
| THY-22 | 2" x 2" Yoke | 12-00315 | .     | THY-101 | No Set Hole  | 12-03689 | .     |
| THY-25 | 2.5" Yoke    | 12-00318 | .     |         |              |          |       |

## SWIVEL HAND RIVET SQUEEZER



This tool incorporates a 3/8" stroke and 5/8" ram adjustment. The full 360° yoke can be locked in any position in relation to the handles. Uses standard squeezer sets with 3/16" shank diameter. Yoke depth: 1-1/2".

Model AT502AH-D ..... P/N 12-00400

## INSTRUCTIONS FOR SELECTING RIVET SETS

To develop maximum power, the riveter must drive the rivet near the end of the riveter's stroke. For maximum power the combined length of the two rivet sets must be of the correct length. Determine the correct length as follows:

**WHEN TWO CUPPED RIVET SETS ARE USED** – The sum of the two rivet sets "L" dimension should equal the closed height dimension of the yoke minus the total thickness of the material being used.

**WHEN TWO FLUSH SETS ARE USED** – The sum of the two rivet sets "L" dimension should equal the closed height dimension of the yoke minus the overall length of the rivet after it is driven.

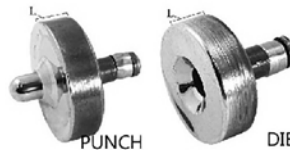
**WHEN ONE CUPPED SET & ONE FLUSH SET ARE USED** – The sum of the two rivet sets "L" dimension should equal the closed height dimension of the yoke minus the total thickness of the material being riveted and the height of the finished rivet head driven by the flush set. If necessary, select rivet sets a little short and shim to proper length with hardened shims listed in the table. The closed height dimension of the yoke referred to above is the opening available when jaws of plunger are in extreme closed or forward position with both rivet sets in place.

## RIVET SETS FOR SQUEEZER



Assorted Squeezer Set. 5-piece, consisting of rivet sets for 3/32, 1/8 and 5/32" AN470 rivets, and one flat set. Shank dia. 3/16" ..... P/N 26-5

## DIMPLING SETS FOR SQUEEZER



FASTENER AN 426 RIVET

| SIZE           | 3/32 | 1/8 | 5/32 | 3/16 |
|----------------|------|-----|------|------|
| DASH NO.       | -3   | -4  | -5   | -6   |
| BODY LENGTH    | 1/4  | 3/8 | 1/2  |      |
| AFTER DASH NO. | -P   | -R  | -S   |      |

When ordering, specify: Basic Part No. - Rivet Size No. - Body Length, Letter. P/N PER SET 1 PUNCH 1 DIE

| Part No.    | Price |
|-------------|-------|
| 207/206-3-P | .     |
| 207/206-3-R | .     |
| 207/206-3-S | .     |
| 207/206-4-P | .     |
| 207/206-4-R | .     |
| 207/206-4-S | .     |
| 207/206-5-P | .     |
| 207/206-5-R | .     |
| 207/206-6-P | .     |
| 207/206-6-R | .     |
| 207/206-6-S | .     |

## INDIVIDUAL CUPPED SQUEEZER SETS

| Rivet Diameter | Body Length ("L" Dim.) | Part Number  | Price |
|----------------|------------------------|--------------|-------|
| 3/32"          | 3/8                    | AT108AR-3/32 | .     |
| 3/32"          | 1/4                    | 12-01661     | .     |
| 3/32"          | 1/8                    | AT108AN-3/32 | .     |
| 3/32"          | 1/2                    | AT108S-3/32  | .     |
| 1/8"           | 1/8                    | AT108AN-1/8  | .     |
| 1/8"           | 1/4                    | 12-01660     | .     |
| 1/8"           | 1/2                    | AT108S-1/8   | .     |
| 1/8"           | 3/8                    | AT108AR-1/8  | .     |
| 3/16"          | 1/4                    | 12-02680     | .     |
| 3/16"          | 1/2                    | AT108S-3/16  | .     |
| 3/16"          | 3/8                    | AT108AN-3/16 | .     |
| 3/16"          | 1/8                    | AT108AN-3/16 | .     |
| 5/32"          | 1/4                    | 12-01662     | .     |
| 5/32"          | 3/8                    | AT108AR-5/32 | .     |
| 5/32"          | 1/8                    | AT108AN-5/32 | .     |
| 5/32"          | 1/2                    | AT108S-5/32  | .     |



## FLUSH RIVET SETS

| Body Length ("L" Dim.) | Part No. | Price |
|------------------------|----------|-------|
| 1/8"                   | AT109AN  | .     |
| 3/8"                   | AT109AR  | .     |
| 1/2"                   | AT109AS  | .     |

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