

# Emhart Aftermarket Products

## Heli-Coil

Did you know...

Indy and NASCAR racing teams use Heli-Coil inserts.

A Boeing 747 has 250,000 Heli-Coil inserts as original equipment

There are 250,000 Heli-Coil inserts in every space shuttle.

### Why?

All the above use lightweight, exotic materials and need strong threads.

### What does this mean to you?

Today's cars are also made of light materials, such as aluminum, and tapped hole damage is a common occurrence. Stripping during removal of seized bolts, cross-threading and wear from constant assembly and disassembly and corrosion can also cause thread damage. For these reasons companies like General Motors, Ford, Chrysler, Boeing, Pratt & Whitney, McDonnell-Douglas, NASA, Harley-Davidson, Caterpillar, Cummins, General Electric, Rolls-Royce, BMW, Porsche and many more, including the military, all use Heli-Coil inserts as original equipment in critical threaded areas of parts made of lightweight materials. They have found that the use of Heli-Coil inserts gives them a stronger and more reusable thread that resists the effects of corrosion.

The inserts offered in all of our Heli-Coil Thread Repair Kits are made of the same high quality stainless steel as the inserts used by these companies. The same technology that took us to the moon is available to fix the damaged threads on your car, truck, motorcycle, boat; anywhere they happen. This repair is better than the original thread. It is quick, easy, permanent and in almost all cases less expensive than replacing the part.

## POP

POP Blind Rivets are available in a variety of sizes, types and materials combined with dome, countersunk or large-flange head styles. This makes POP blind rivets ideal for a wide range of riveting applications. They are the most popular rivets for automotive use. Also available from POP are Sheet Metal Inserts, a general purpose threaded insert with exceptionally strong torque-out and pull-out characteristics, POP Plastic Rivets, a one-piece, all-plastic expansion rivet, POP WELL-NUT Threaded Inserts, a flanged rubber bushing with brass threads molded into one end, and a variety of manual and power tools.

## Drill-Out

Drill-Out is a drill bit and extractor in one. The drill bit is made from high quality tool steel that has been hardened and tempered giving it the ability to even drill into Grade 8 and stainless steel bolts. The extractor is made from hard, flexible die steel which allows it to bite into any bolt or stud without slipping or stripping.

## Chase 'em Back™

The unique, patented hinge design of Chase 'em Back allows for the repair of damaged or corroded threads on most studs by attaching to the undamaged threads and working back through the damaged areas. Made from heat-treated steel, sets are available for the most common inch and metric thread sizes. Other sets include the 8-piece Sav-A-Stud Plus™ set for wheel stud repair and the 20-piece Spindle-Saver™ set for front wheel drive spindle repair.

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HELI-COIL

POP

DRILL-OUT

CHASE 'EM BACK

# POP-NUT® Sheet Metal Inserts



POP Sheet Metal Inserts are designed for use in any sheet metal application. They allow the do-it-yourselfer, as well as the automotive professional,

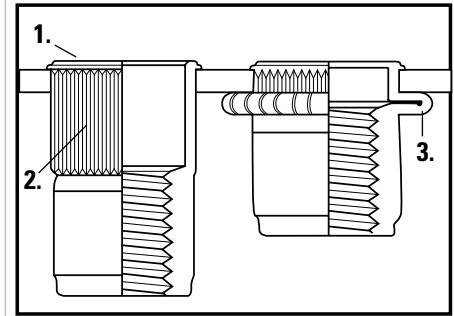
to use bolts and machine screws in place of weaker sheet metal screws even when you can get to only one side of the work.

POP Sheet Metal Inserts are knurled to keep them from spinning in the hole. When forced into the hole and set in place, the knurl engages the parent material providing high resistance to spinning due to over-torque or cross threading. The “bubble” of material over the backside means that the insert will not pull through; even when used

in thin material. POP Sheet Metal Inserts are made of cadmium-plated steel to provide strong, corrosion-resistant threads. Two different grip ranges are available to accommodate most applications. When installed, the low profile head is nearly flush so no countersinking is necessary.

Sheet Metal Inserts can be used to attach luggage racks, mud flaps, side moldings, rear window louvers, roof racks, ladders, grab bars, truck bed hand rails, wind deflection screens, custom ground effects, almost any accessory to sheet material.

Sheet Metal Inserts are stronger and more reliable than sheet metal screws and allow more flexibility in assembly and disassembly.



1. Low profile head means the insert is nearly flush. No countersinking necessary.
2. Axial knurl keeps the insert from spinning in the hole.
3. “Bubble” of material provides high resistance to insert pull out.



POP offers general purpose threaded inserts for sheet metal fastening applications. These inserts are packaged in reusable plastic boxes. Ideal for body/customizing shop use as well as the do-it-yourselfer.

## Mandrel/Nosepiece Sets

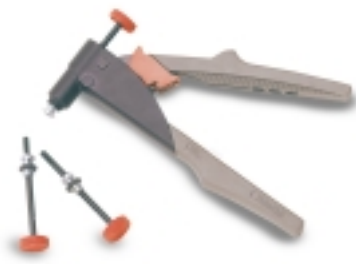
Each sheet metal insert thread size requires it's own mandrel/nosepiece set to facilitate installation.

| Part No. | Thread Size |
|----------|-------------|
| 67933    | 6-32        |
| 67934    | 8-32        |
| 67935    | 10-24       |
| 67936    | 10-32       |
| 67937    | 1/4-20      |
| 67939    | 5/16-18     |
| 67941    | 3/8-16      |
| 67944    | M5x0.8      |
| 67945    | M6x1        |
| 67946    | M8x1.25     |
| 67947    | M10x1.5     |

## Ordering Information

| PART NO. | THREAD SIZE | DRILL SIZE | GRIP RANGE | PIECES PER BOX |
|----------|-------------|------------|------------|----------------|
| 57821    | 6-32        | 17/64      | .020-.080  | 50             |
| 57822    | 8-32        | 17/64      | .020-.080  | 50             |
| 57823    | 10-24       | 19/64      | .020-.130  | 50             |
| 57824    | 10-32       | 19/64      | .020-.130  | 50             |
| 57825    | 1/4-20      | 25/64      | .027-.165  | 40             |
| 57827    | 5/16-18     | 17/32      | .027-.150  | 25             |
| 57829    | 3/8-16      | 17/32      | .027-.150  | 20             |
| 57836    | 6-32        | 17/64      | .080-.130  | 50             |
| 57837    | 8-32        | 17/64      | .080-.130  | 50             |
| 57838    | 10-24       | 19/64      | .130-.225  | 50             |
| 57839    | 10-32       | 19/64      | .130-.225  | 50             |
| 57840    | 1/4-20      | 25/64      | .165-.260  | 40             |
| 57842    | 5/16-18     | 17/32      | .150-.312  | 25             |
| 57844    | 3/8-16      | 17/32      | .150-.312  | 20             |
| 57832    | M5x0.8      | 19/64      | 0.5-3.3mm  | 50             |
| 57833    | M6x1        | 25/64      | 0.7-4.2mm  | 40             |
| 57834    | M8x1.25     | 17/32      | 0.7-3.8mm  | 25             |
| 57835    | M10x1.5     | 17/32      | 0.7-3.8mm  | 20             |

## Kwikset POP-Nut Sheet Metal Insert Tool P/N 67931\*



- Powerlink design for fast installation of POP-Nut sheet metal inserts
- Compact, slim-line design for easy carriage in pocket/tool belt
- Comfortable santoprene handle grip offers extra shock absorption
- Robust cast steel construction

## Kwikset POP-Nut Sheet Metal Insert Kits

- Includes Kwikset POP-Nut Sheet Metal Insert Tool and 10 pieces of assorted inserts
- Metric Kit includes M4, M5, M6, M8 inserts and mandrels **P/N6799\***
- Inch Kit includes 8-32, 10-24, 10-32, 1/4-20, and 5/16-18 inserts and mandrels **P/N6798\***
- Durable molded box for storage and quick access

\*Due late 2002