



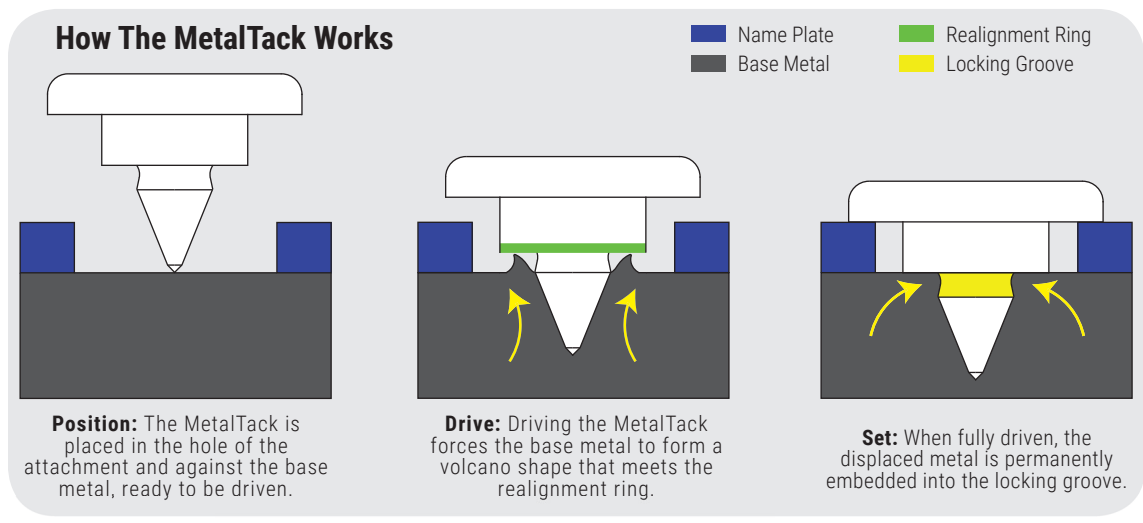
# “NAIL” NAME PLATES TO METAL | NO DRILLING NO PREP

## A Heavy-Duty Solution to Light-Load Fastening

A MetalTack fastens lightweight parts to solid metal products such as pumps, valves and machinery. It is impacted directly into the base metal and forms a permanent mechanical connection which will hold up to 250 pounds. There is no need for drilling or other surface preparation and MetalTack is perfect for attaching name plates, barcode tags, and cable tie mounts.



A MetalTack eliminates costly problems associate with other fastening methods.



(401) 216-7900  
www.gripnail.com

## Why MetalTack

Adhesives are messy and may be less than permanent. Other fasteners that require drilled holes need perfect alignment between base metal and attachment. In addition, drilling holes is laborious and may cause damage. Metal drill chips are difficult to clean up, and may risk damage to expensive machinery. Using a MetalTack prevents any Foreign Object Debris from entering any work environment or moving component.

## Material and Corrosion Resistance

**Standard MetalTack:** Is manufactured from carbon steel, and are zinc plated. It will pass a minimum 120-hour salt spray test in accordance with ASTM B117. It may be driven into base metals as hard as HRB90.

**Stainless Steel MetalTack:** Is manufactured from hardened stainless steel and are not plated. The fastener has a small amount of carbon and form slight blush rust after exposure to corrosive environments. It can penetrate base metals as hard as HRB90 as well as many grades of stainless steel.

**Tool Steel MetalTack:** Is manufactured from a special steel alloy that allows them to become harder and tougher than a standard fastener. A Tool Steel MetalTack can penetrate materials as hard as HRB100. The fastener is also zinc chromate plated for the same corrosion resistance as standard tacks.

**Special Fasteners & Plating:** If the exact fastener for your application does not appear on the *Sizing Chart*, call us to see if we might be able to make it for you. Many custom sized MetalTack fasteners have been produced with a variety of grip lengths, shank diameters and point lengths for specific applications. Special plating such as nickel, are also available to meet particular corrosion or cosmetic requirements.

## Selecting The Right MetalTack For Your Application

Sizing Chart at: [www.gripnail.com/MetalTack](http://www.gripnail.com/MetalTack)

A Standard MetalTack is available in three materials, three head diameters, two point lengths and graduated grip range from 0.010" (0.254mm) to 0.125" (3.175mm). Use the *Sizing Chart* and the following guidelines to help you select the best MetalTack for your application.

**Qualify Your Application:** MetalTack selection is based upon two factors. The material that is going to be fastened (attachment) and the material that the attachment is going to be fastened to (base metal).

**Attachment:** The part that you are fastening is referred to as the attachment. Typical attachments are name plates, cable tie mounts and small components. The attachment will need to have a prefabricated hole in it and will be secured between the head of the MetalTack and the base metal. Consult the *Sizing Chart* for a range of attachment hole sizes. Larger holes provide an easier "target" for the operator.

**Base Metal:** A MetalTack will fasten to most malleable metals including steel, stainless steel, brass, bronze and aluminum. A MetalTack will also fasten to many grades of cast iron and die cast material. It is best to select a Tool Steel tack for cast iron class 35 or higher, and a large point fastener is recommended for softer materials such as zinc die-castings and aluminum.

## Important Dimensions

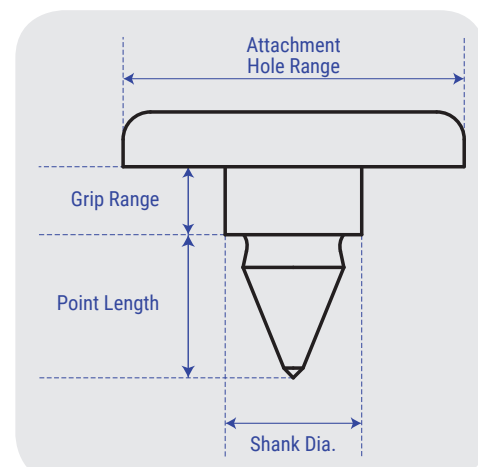
**Grip Range:** Your attachment (name plate, cable tie mounts, etc.) must fit between the head of the MetalTack and the surface of the base metal. The grip range may penetrate the base metal up to 0.010" (0.254mm)

**Point Length:** Two sizes of point lengths are offered 0.062" (1.574mm) and 0.106" (2.6924mm). Use the larger point for increase withdrawal resistance and the smaller point in thin metals.

**Attachment Hole Range:** The hold in your attachment must be greater than the shank diameter and less than the head diameter.



A portable, safe, single impact Gripnail 211 Air Tool allows the operator to position the attachment before fastening.



See Sizing Chart for list of available standard part numbers at: [www.gripnail.com/MetalTack](http://www.gripnail.com/MetalTack)



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An Employee Owned Company

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FASTENING SYSTEMS

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