

# Zamac Nailin™ Nail Anchor

## PRODUCT DESCRIPTION

The Zamac Nailin is a nail drive anchor which has a body formed from Zamac alloy. Drive nails are available in carbon or stainless steel. The anchor can be used in concrete, block, brick or stone.

A corrosion resistant Zamac alloy is used to form the anchor body with either a mushroom or flat head. The anchor can be used for light duty, tamperproof applications.

The anchor is not recommended for overhead, life-safety or sustained tensile loading applications unless special considerations are given to the allowable loads (see performance data section).

## GENERAL APPLICATIONS AND USES

- Roof Flashing
- Brick Ties and Masonry Anchorage
- Electrical Fixtures
- Mechanical Attachments
- Furring Strips
- Maintenance

## FEATURES AND BENEFITS

- + General purpose anchoring
- + Installs in a variety of base materials

## APPROVALS AND LISTINGS

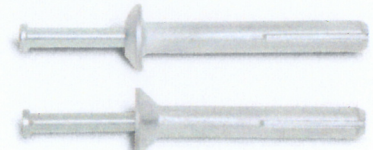
Federal GSA Specification – Meets the proof load requirements of FF-S-325C, Group V, Type 2, Class 3, (superseded) and CID A-A 1925A, Type 1 (mushroom head) & Type 2 (flat head)

## GUIDE SPECIFICATIONS

**CSI Divisions:** 03151-Concrete Anchoring, 04081-Masonry Anchorage and 05090-Metal Fastenings. Pin Anchors shall be Zamac Nailin anchors as supplied by Powers Fasteners, Inc., Brewster, NY.

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Zamac Nailin

## ANCHOR MATERIALS

Zamac Alloy with Carbon or Stainless Steel Drive Nail

## ANCHOR SIZE RANGE (TYP.)

3/16" diameter x 7/8" length to 1/4" diameter x 3" length

## SUITABLE BASE MATERIALS

- Normal-Weight Concrete
- Hollow Concrete Masonry (CMU)
- Brick Masonry
- Stone

## INSTALLATION AND MATERIAL SPECIFICATIONS

### Installation Specifications

Dimension	Anchor Diameter, <i>d</i>		
	3/16" MH	1/4" MH	1/4" FH
ANSI Drill Bit Size, <i>d<sub>bit</sub></i> (in.)	3/16	1/4	1/4
Fixture Clearance Hole (in.)	1/4	5/16	5/16
Head Height (in.)	7/64	9/64	3/16
Head Width <i>d<sub>hd</sub></i> (in.)	13/32	35/64	35/64

MH = Mushroom Head FH = Flat Head

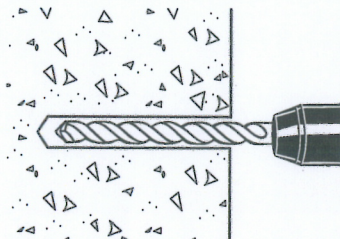
### Material Specifications

Anchor Component	Component Material		
	Mushroom Head	Flat Head	Mushroom Head
	CS Nail	CS Nail	SS Nail
Drive Nail	AISI 1018	AISI 1018	Type 304 SS
Anchor Body	Zamac Alloy	Zamac Alloy	Zamac Alloy
Nail Plating	ASTM B 633, SC1, Type III (Fe/Zn 5)		N/A

CS = Carbon Steel SS = Stainless Steel

### Installation Guidelines

Using the proper diameter bit, drill a hole into the base material to a depth of at least 1/4" deeper than the required embedment. The tolerances of the drill bit used should meet the requirements of ANSI Standard B212.15. Blow the hole clean of dust and other material.



Insert the anchor through the fixture. Drive the nail into the anchor body to expand it. Be sure the head is seated firmly against the fixture and that the anchor is at the proper embedment. Take care not to overdrive. This anchor is not recommended for use overhead.

