

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Federal GSA Specification – Meets the proof load requirements of FF-S-325C, Group V, Type 2, Class 3, (superseded) and CID A-A 1925A, Type 1 (mushroom head) & Type 2 (flat head)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, d | | |
|--------------------------------------|----------------------|---------|---------|
| | 3/16" MH | 1/4" MH | 1/4" FH |
| ANSI Drill Bit Size, d_{bit} (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 d_{hd} (in.) | 13/32 | 35/64 | 35/64 |

MH = Mushroom Head FH = Flat Head

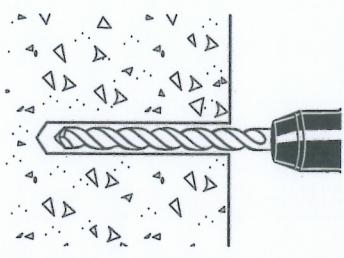
Material Specifications

| Anchor Component | Component Material | | |
|------------------|-------------------------------------|-------------|---------------|
| | Mushroom Head | Flat Head | Mushroom Head |
| 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.

