

Zinc Nailon™ Pin Drive Anchors

Zinc Nailon anchors are low-cost, easy-to-install anchors for applications under static loads.

Features



- Available with carbon and stainless-steel pins
- Pin and head configuration designed to make anchor tamper-resistant

Materials

- Body — Die-cast Zamac 3 alloy
- Pin — Carbon steel; Type 304 stainless steel

Code: Meets Federal Specification A-A-1925A, Type 1

Installation

-  **Caution:** Not for use in overhead applications.
-  **Caution:** Nailon anchors are not recommended for eccentric tension (prying) loads — capacity will be greatly reduced in such applications

1. Drill a hole in base material using a carbide drill bit the same diameter as the nominal diameter of the anchor to be installed. Drill the hole to specified embedment depth, plus ¼" for pin extension, and blow hole clean using compressed air. Alternatively, drill the hole deep enough to accommodate embedment depth and dust from drilling.
2. Position fixture and insert Nailon anchor.
3. Tap with hammer until flush with fixture, then drive pin until flush with top of head.

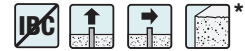


Zinc Nailon Anchor
(Mushroom)

Zinc Nailon Product Data

| Size (in.) | Carbon Steel Pin Model No. | Stainless Steel Pin Model No. | Quantity | | |
|-------------|----------------------------|-------------------------------|----------|--------|-------|
| | | | Box | Carton | Bulk |
| 3/16 x 7/8 | ZN18078 | — | 100 | 1,600 | 3,000 |
| 1/4 x 3/4 | ZN25034 | ZN25034SS | 100 | 500 | 2,000 |
| 1/4 x 1 | ZN25100 | ZN25100SS | 100 | 500 | 1,500 |
| 1/4 x 1 1/4 | ZN25114 | ZN25114SS | 100 | 500 | 1,500 |
| 1/4 x 1 1/2 | ZN25112 | ZN25112SS | 100 | 500 | 1,000 |
| 1/4 x 2 | ZN25200 | ZN25200SS | 100 | 400 | 1,000 |
| 1/4 x 2 1/2 | ZN25212 | ZN25212SS | 100 | 400 | — |
| 1/4 x 3 | ZN25300 | ZN25300SS | 100 | 400 | 1,000 |

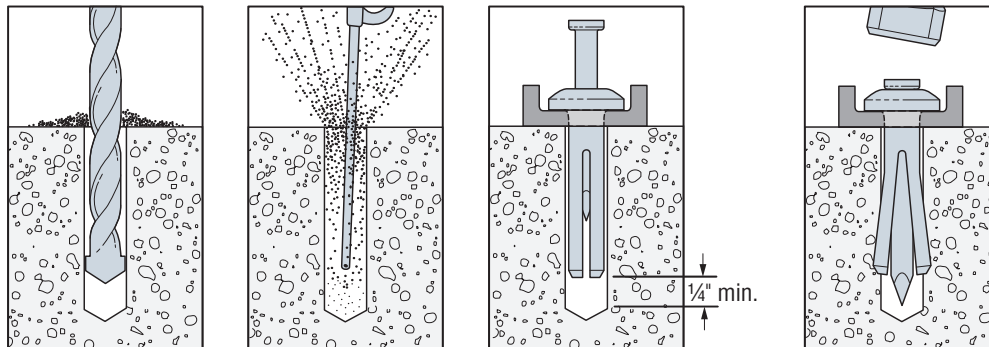
Allowable Tension and Shear Loads for Zinc Nailon in Normal-Weight Concrete



| Size (in.) | Drill Bit Dia. (in.) | Embed. Depth (in.) | Ultimate Loads (lb.) | | Allowable Loads (lb.) ¹ | |
|------------|----------------------|--------------------|----------------------|-------|------------------------------------|-------|
| | | | f'c ≥ 3,000 psi | | f'c ≥ 3,000 psi | |
| | | | Tension | Shear | Tension | Shear |
| 3/16 | 3/16 | 5/8 | 460 | 465 | 115 | 115 |
| 1/4 | 1/4 | 5/8 | 590 | 635 | 150 | 160 |
| | | 3/4 | 780 | 765 | 195 | 190 |
| | | 1 1/2 | 1,050 | 1,050 | 265 | 265 |

1. The allowable loads are based on a safety factor of 4.0.

Installation Sequence



* See p. 12 for an explanation of the load table icons.