

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 Head)

Mechanical Anchors

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

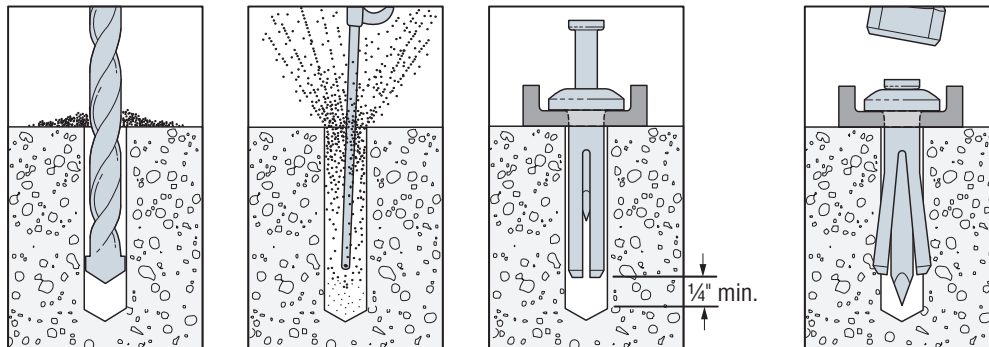
Allowable Tension and Shear Loads for Zinc Nailon in Normal-Weight Concrete



Size (in.)	Drill Bit Dia. (in.)	Embed. Depth (in.)	Ultimate Loads (lb.)		Allowable Loads (lb.) ¹	
			$f'c \geq 3,000$ psi		$f'c \geq 3,000$ 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



¹See p. 14 for an explanation of the load table icons.