PRODUCT SPECIFICATIONS

Product Image

Zamac Anchors – Removable Screw

Zamac anchors with removable screw are suitable for use in concrete, block, brick or stone. They are a unique, one-step nail drive anchor that features a Phillips style head. The body of the anchor is formed from corrosion resistant Zamac alloy and a zinc plated carbon steel drive screw. When compared to a traditional Zamac anchor, the ZAS has been designed to provide a removable anchor with higher tension loads when installed in concrete. These anchors are not recommended for use overhead or applications where holding values are critical.

Features:

- General purpose anchoring
- Installs in a variety of base materials
- Removable screw can be backed out with a Phillips head driver

Product Specifications

Anchor Body Material	Zamac Alloy
Screw Material	Carbon Steel
Drive Screw	AISI 1018
Screw Plating	ASTM B 633, SC1, Type III (Fe/Zn5)

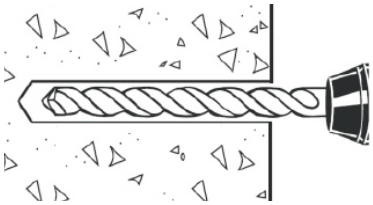
Applications

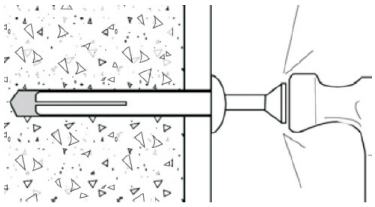
- Masonry anchorage
- Electrical fixtures
- Signage
- Flashing
- Drywall track
- Maintenance
- Surveillance equipment
- Light gauge attachments
- Roof flashings
- Mechanical attachments
- Tamperproof applications

Suitable Base Materials

- Normal-weight concrete
- Concrete masonry (CMU)
- Brick masonry
- Stone

Installation Instructions





1. 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.

2. Insert the anchor through the fixture and into the drilled hole. Drive the screw 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 the screw. This anchor is not recommended for installations at an angle or overhead use.

3. To remove – Press a Phillips screw driver firmly into the head and turn counterclockwise. Remove the screw from the anchor body, then pry out the fixture and anchor body simultaneously by working the claw of a hammer underneath the fixture.

Installation Specifications

Dimension	Anchor Diameter, d
	1/4
ANSI Drill Bit Size (in.)	1/4
Fixture Clearance Hole (in.)	5/16
Head Height (in.)	9/64
Head Width (in.)	35/64

CAUTION ALWAYS WEAR EYE PROTECTION

PRODUCT SPECIFICATIONS

Ultimate Load Capacities in Normal-Weight Concrete[1, 2]

Nominal Anchor Diameter d in.	Min. Embedment Depth (mm)	Minimum Concrete Compressive Strength	
		4,000 psi	
		Ultimate lbs. (kN)	
		Tension	Shear
1/4	3/4 (19)	800 (3.6)	850 (3.8)
	1 (25)	925 (4.1)	890 (4.0)
	1-1/4 (32)	1050 (4.7)	970 (4.3)
	1-1/2 (38)	1100 (4.9)	1005 (4.4)
	2 (51)	1200 (5.3)	1075 (4.7)

1. Tabulated load values are for anchors installed in concrete. Concrete compressive strength must be at the specified minimum at the time of installation.
2. Anchors must be installed flush with face or end of concrete surface.

Allowable Load Capacities in Normal-Weight Concrete[1, 2, 3]

Nominal Anchor Diameter d in.	Min. Embedment Depth (mm)	Minimum Concrete Compressive Strength	
		4,000 psi	
		Allowable lbs. (kN)	
		Tension	Shear
1/4	3/4 (19)	200 (0.8)	215 (1.0)
	1 (25)	230 (1.0)	225 (1.0)
	1-1/4 (32)	260 (1.1)	245 (1.1)
	1-1/2 (38)	275 (1.2)	250 (1.1)
	2 (51)	300 (1.3)	270 (1.2)

1. Tabulated load values are for anchors installed in concrete. Concrete compressive strength must be at the specified minimum at the time of installation.
2. Allowable load capacities listed are calculated using an applied safety factor of 4.0. Anchors are not recommended for use overhead or for life safety. Consideration of safety factors of 20 or higher may be necessary depending upon the application such as in sustained tensile loading applications.
3. Anchors must be installed flush with face or end of concrete surface.