Easy-Set Pin-Drive Expansion Anchor

The Easy-Set is a pin-drive expansion anchor for medium- and heavy-duty fastening applications into concrete. Integrated nut and washer help keep track of parts.

Material: Carbon steel

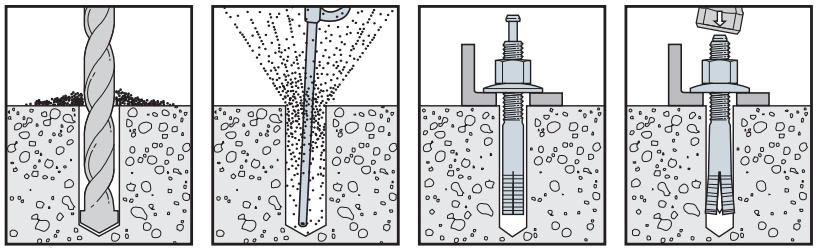
Coating: Yellow zinc dichromate plated

Installation

Caution: Oversized holes in the base material will make it difficult to set the anchor and will reduce the anchor's load capacity.

1. Drill a hole in the base material using a carbide drill bit the same diameter as the nominal diameter of the anchor to be installed. Drill the hole to the specified embedment depth plus ¼" to allow for pin extension and blow it clean using compressed air. (Overhead installations need not be blown clean.) Alternatively, drill the hole deep enough to accommodate embedment depth and the dust from drilling.
2. Adjust the nut for required embedment. Place the anchor through the fixture and into the hole.
3. Hammer the center pin until the bottom of the head is flush with top of anchor.

Installation Sequence



Easy-Set (EZAC)

EZAC Product Data

Size (in.)	Model No.	Thread Length (in.)	Quantity	
			Box	Carton
⅜ x 2⅜	EZAC37238	1	50	250
⅜ x 3½	EZAC37312	1⅛	50	250
⅜ x 4¾	EZAC37434	1½	50	200
½ x 2¾	EZAC50234	1	25	125
½ x 3½	EZAC50312	1⅛	25	125
½ x 4¾	EZAC50434	1½	25	100
½ x 6	EZAC50600	2	25	100
⅝ x 4	EZAC62400	1⅝	15	60
⅝ x 4¾	EZAC62434	1⅝	15	60
⅝ x 6	EZAC62600	2	15	60

Easy-Set Anchor Installation Data

Easy-Set Diameter (in.)	⅜	½	⅝
Drill Bit Size (in.)	⅜	½	⅝
Min. Fixture Hole Size (in.)	7/16	9/16	11/16
Wrench Size (in.)	9/16	¾	15/16

EZAC Allowable Tension and Shear Loads in Normal-Weight Concrete

Size in.	Embed. Depth in. (mm)	Drill Bit Dia. In.	Critical Edge Dist. In. (mm)	Critical Spacing Dist. In. (mm)	Tension Load	Shear Load
					$f'_c \geq 2{,}000$ psi (13.8 MPa) Concrete	
					Allowable lb. (kN)	
⅜	1¾ (44)	⅜	2¾ (70)	5¼ (133)	630 (2.8)	645 (2.9)
½	2½ (64)	½	3⅜ (86)	6¾ (171)	1,005 (4.5)	1,230 (5.5)
⅝	3 (76)	⅝	4¼ (108)	9 (229)	1,515 (6.7)	1,325 (5.9)

1. The allowable loads listed are based on a safety factor of 4.0.
2. 100% of the allowable load is permitted at critical spacing and critical edge distance. Allowable loads at lesser spacings and edge distance have not been determined.
3. The minimum concrete thickness is 1½ times the embedment depth.
4. Tension and shear loads for the EZAC anchor may be combined using the straight-line interaction equation (n = 1).

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