

Crimp Drive® Anchor

Mechanical Anchors

The crimp anchor is an easy-to-install expansion anchor for use in concrete and grout-filled block. The pre-formed curvature along the shaft creates an expansion mechanism that secures the anchor in place and eliminates the need for a secondary tightening procedure. This speeds up anchor installation and reduces the overall cost.

Five crimp anchor head styles are available to handle different applications that include fastening wood or light-gauge steel, attaching concrete formwork, hanging overhead support for sprinkler pipes or suspended ceiling panels.

Codes: Factory Mutual 3031 136 for the 3/8" rod coupler.

Material: Carbon steel, stainless steel

Coating: Zinc plated and mechanically galvanized

Head Styles: Mushroom, rod coupler, countersunk, tie-wire and duplex

Installation



Warning: Industry studies show that hardened fasteners can experience performance problems in wet or corrosive environments. Accordingly, with the exception of the duplex anchor, use these products in dry, interior and non-corrosive environments only.

1. Drill a hole using the specified diameter carbide bit into the base material to a depth of at least 1/2" deeper than the required embedment.
2. Blow the hole clean of dust and debris using compressed air. Overhead application need not be blown clean. Where a fixture is used, drive the anchor through the fixture into the hole until the head sits flush against the fixture.
3. Be sure the anchor is driven to the required embedment depth. The rod coupler and tie-wire models should be driven in until the head is seated against the surface of the base material.



Mushroom
Head



Rod
Coupler



Countersunk
Head



Tie-Wire

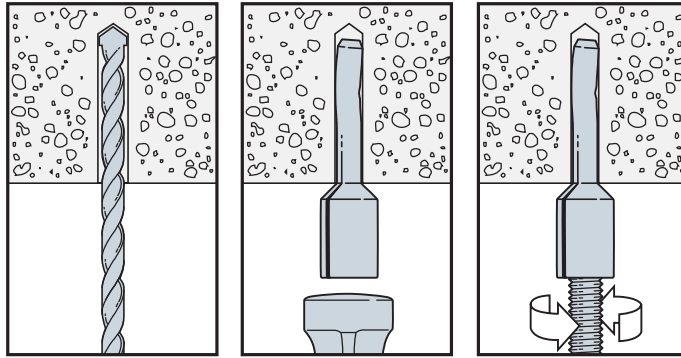


Duplex

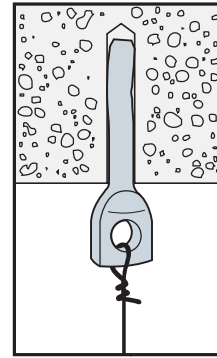
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Installation Sequence

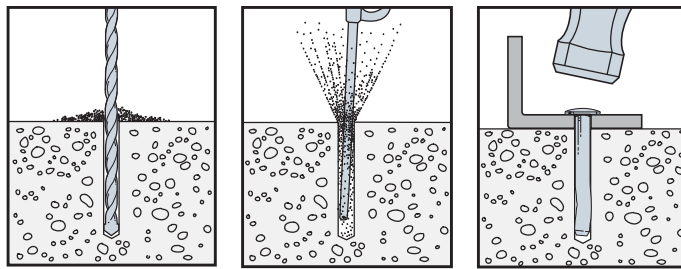
Rod Coupler



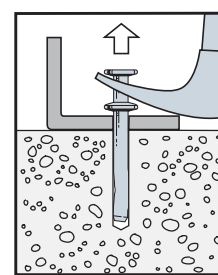
Tie-Wire



Mushroom Head

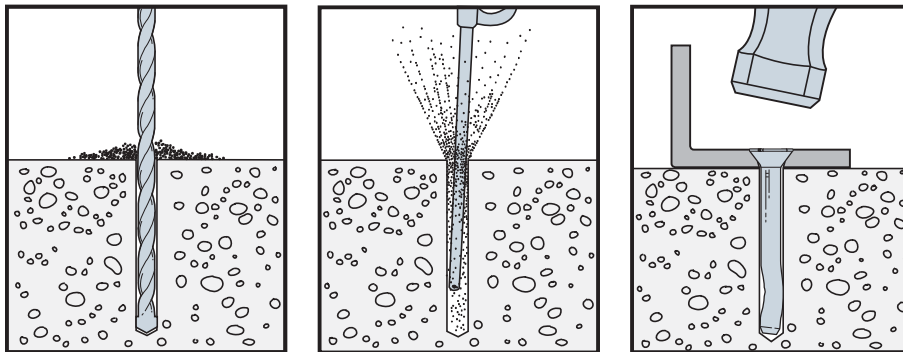


Duplex



Duplex-head anchor may be removed with a claw hammer.

Countersunk Head Installation Sequence



Length Identification Head Marks on Mushroom, Countersunk and Duplex-Head Crimp Drive Anchors (corresponds to length of anchor — inches)

Mark	□	A	B	C	D	E	F
From	1	1½	2	2½	3	3½	4
Up to but Not Including	1½	2	2½	3	3½	4	4½

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Crimp Drive Anchor Product Data

Mechanical Anchors

Size (in.)	Model No.	Head Style/Finish	Drill Bit Dia. (in.)	Min. Fixture Hole Size (in.)	Min. Embed. (in.)	Quantity			
						Pkg. Qty.	Carton Qty.		
3/16 x 1 1/4	CD18114M	Mushroom head / zinc plated	3/16	1/4	7/8	100	1,600		
3/16 x 2	CD18200M				1 1/4	100	500		
3/16 x 2 1/2	CD18212M				1 1/4	100	500		
3/16 x 3	CD18300M				1 1/4	100	500		
3/16 x 3 1/2	CD18312M				1 1/4	100	500		
3/16 x 4	CD18400M				1 1/4	100	500		
1/4 x 1	CD25100M		Mushroom head / zinc plated	1/4	5/16	7/8	100	1,600	
1/4 x 1 1/4	CD25114M					7/8	100	1,600	
1/4 x 1 1/2	CD25112M					1 1/4	100	1,600	
1/4 x 2	CD25200M					1 1/4	100	500	
1/4 x 2 1/2	CD25212M					1 1/4	100	500	
1/4 x 3	CD25300M					1 1/4	100	500	
1/4 x 3 1/2	CD25312M					1 1/4	100	500	
1/4 x 4	CD25400M					1 1/4	100	500	
3/8 x 2	CD37200M					3/8	7/16	1 3/4	25
3/8 x 3	CD37300M	1 3/4						25	125
1/4 x 3	CD25300MG	Mushroom head / mechanically galvanized	1/4	5/16	1 1/4	100	500		
1/4" rod coupler	CD25114RC	Rod coupler / zinc plated	3/16	N/A	1 1/4	100	500		
3/8" rod coupler	CD37112RC		1/4	N/A	1 1/2	50	250		
3/16 x 2 1/2	CD18212C	Countersunk head / zinc plated	3/16	1/4	1 1/4	100	500		
3/16 x 3	CD18300C				1 1/4	100	500		
3/16 x 4	CD18400C				1 1/4	100	500		
1/4 x 1 1/2	CD25112C		1/4	5/16	1 1/4	100	500		
1/4 x 2	CD25200C				1 1/4	100	500		
1/4 x 2 1/2	CD25212C				1 1/4	100	500		
1/4 x 3	CD25300C				1 1/4	100	500		
1/4 x 3 1/2	CD25312C				1 1/4	100	400		
1/4 x 4	CD25400C				1 1/4	100	400		
1/4 x 3	CD25300CMG				Countersunk head / mechanically galvanized ¹	1/4	5/16	1 1/4	100
1/4 x 4	CD25400CMG	1 1/4	100	400					
1/4" Tie Wire	CD25118T	Tie Wire / zinc plated	1/4	N/A	1 1/8	100	500		
1/4" duplex	CD25234D	Duplex head / zinc plated	1/4	5/16	1 1/4	100	500		

1. Mechanical galvanizing meets ASTM B695, Class 55, Type 1. Intended for some pressure-treated wood sill plate applications. Not for use in other corrosive or outdoor environments. See strongtie.com for details.