

Slam-It™ Split Drive Anchors



Description

The Slam-It Split Drive Anchor is a one-piece, pre-formed tamper-proof anchor that is ideal for anchoring into solid concrete and stone. The Slam-It anchor is easy to install and is available in a flat head or a mushroom head.



Flat Head



Mushroom Head

Key Features & Benefits

- ▶ One-piece anchor is easy to install
- ▶ Tamper-proof
- ▶ Works in concrete and stone
- ▶ Flat head is best for wood to concrete applications



Applications

- ▶ Tamper-proof Applications
- ▶ Anchoring Wood to Concrete
- ▶ Light Duty Permanent Applications

Specifications, Listings and Approvals

Diameter: 1/4"

Material: C1018 Carbon Steel

Finish: Zinc Plating ASTM B633

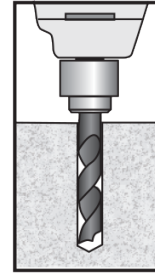
Head Styles: Flat and Mushroom Head

Installation Information

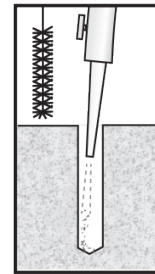
Instructions

1. Drill the hole using a 1/4" diameter drill bit. Drill the hole at least 1/2" deeper than the calculated embedment depth. To assure full holding power, do not ream the hole or allow the drill to wobble.
2. Clean the hole using compressed air and a nylon brush. A clean hole is necessary for proper performance.
3. Drive anchor through the fixture into the hole making sure the head is set solidly against the fixture.

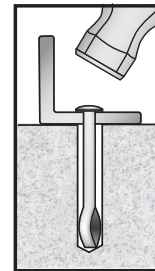
NOTE: Always wear safety glasses. Follow drill manufacturer's instructions. Use only solid carbide-tipped drill bits meeting ANSI B212.15 diameter standards.



1



2



3

Installation Data

Anchor Type	Anchor Dia. (in.)	Drill Bit Dia. (in.)	Fixture Clearance Hole (in.)	Head Height (in.)	Head Width (in.)
Flat head	1/4	1/4	5/16	1/8	1/2
Mushroom head	1/4	1/4	5/16	1/8	1/2

Performance Data

Ultimate and Allowable Loads (lbs.) - Normal-Weight Concrete

Anchor Dia. (in.)	Embed. Depth (in.)	Allowable						Ultimate					
		2,000 psi		4,000 psi		6,000 psi		2,000 psi		4,000 psi		6,000 psi	
		Tension	Shear	Tension	Shear	Tension	Shear	Tension	Shear	Tension	Shear	Tension	Shear
1/4	1-1/8	335	420	445	528	445	528	1340	1680	1780	2110	1780	2110

*Allowable load capacities are calculated using an applied safety factor of 4:1

Load Adjustment Factors

Spacing - Tension & Shear

Anchor Dia.	1/4	
Critical Spacing S_{cr}	2-1/2	
Min. Spacing S_{min}	1-1/4	
Actual Spacing, S_{act}	1-1/4	0.50
	1-7/8	0.75
	2-1/2	1.00

For tension and shear loads, the critical spacing (S_{cr}) is equal to 10 anchor diameters at which the anchor achieves 100% of load. Minimum spacing (S_{min}) is equal to 5 anchor diameters at which the anchor achieves 50% of load.

Edge Distance - Tension

Anchor Dia.	1/4	
Critical Edge Dist. C_{cr}	3	
Min. Spacing C_{min}	1-1/4	
Actual Edge Dist. C_{act}	1-1/4	0.80
	1-7/8	0.86
	2-1/4	0.90
	2-1/2	0.95
	3	1.00

For shear loads, the critical edge distance (C_{cr}) is equal to 12 anchor diameters at which the anchor achieves 100% of load. Minimum edge distance (C_{min}) is equal to 5 anchor diameters at which the anchor achieves 80% of load.

Edge Distance - Shear

Anchor Dia.	1/4	
Critical Edge Dist. C_{cr}	3	
Min. Edge Dist. C_{min}	1-1/4	
Actual Edge Dist. C_{act}	1-1/4	0.50
	1-7/8	0.69
	2-1/4	0.80
	2-1/2	0.88
	3	1.00

For shear loads, the critical edge distance (C_{cr}) is equal to 12 anchor diameters at which the anchor achieves 100% of load. Minimum edge distance (C_{min}) is equal to 5 anchor diameters at which the anchor achieves 50% of load.

Order Information



Flat Head Split-Drive Anchors: Zinc-Plated Carbon Steel

Catalog No.	Anchor Size (in.)	Box Quantity	Carton Quantity
SDF1412	1/4 x 1-1/2	100	800
SDF1420	1/4 x 2	100	800
SDF1422	1/4 x 2-1/2	100	800
SDF1430	1/4 x 3	100	800
SDF1432	1/4 x 3-1/2	100	800
SDF1440	1/4 x 4	100	800

Mushroom Head Split-Drive Anchors: Zinc-Plated Carbon Steel

Catalog No.	Anchor Size (in.)	Box Quantity	Carton Quantity
SDR1412	1/4 x 1-1/2	100	800
SDR1420	1/4 x 2	100	800
SDR1422	1/4 x 2-1/2	100	800
SDR1430	1/4 x 3	100	800

For more information, please contact:



Divisions of Mechanical Plastics Corp.
110 Richards Avenue • Norwalk, CT 06854

Phone: 203-857-2200

Fax: 203-857-2201 • E-mail: sales@wej-it.com

www.toggler.com • www.wej-it.com

Slam-It™ Split Drive Anchor, TOGGLER logo and typeface, Wej-It® and High-Performance Anchors® are trademarks of Mechanical Plastics Corp. ©2015 Mechanical Plastics Corp. Rev. 6/15