

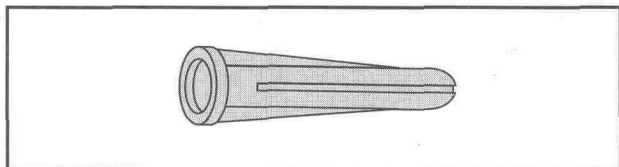
42.0 Bantam Plug

42.1 Introduction

The Bantam Plug anchor is a plastic anchor designed for use with lightweight fixtures. It can be used in concrete, block, brick, and wallboard.

42.2 Product Description

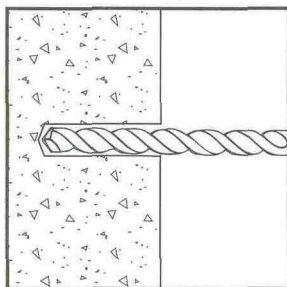
The Bantam Plug anchor is injection molded from an engineered plastic and is designed to be used in con-



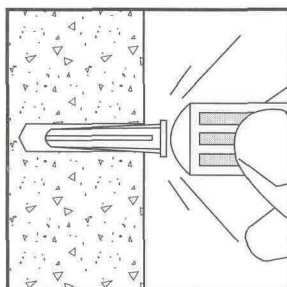
junction with a sheet metal or wood screw. It has a one piece body with three horizontal fins to prevent the anchor from turning in the hole as the screw is tightened. A flange formed at the top end of the anchor body allows it to be used in hollow base materials. The Bantam Plug is recommended for light duty static applications where holding power is not a critical factor. It should not be used overhead.

42.3 Installation Procedures

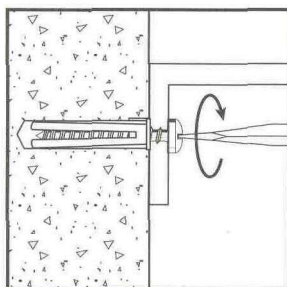
Drill a hole into the base material to the minimum depth required. The tolerances of the drill bit used should meet the requirements of ANSI Standard B212.15.



Blow the hole clean of dust and other material. Tap the anchor into the hole until it is flush with the surface of the base material.



Position the fixture. Insert the proper size screw through the fixture into the top of the anchor and tighten. Be sure screw thread fully engages the anchor body.



42.4 Anchor Sizes and Styles

The following tables list the sizes of standard Bantam Plug anchors. To select the proper length screw, determine the thickness of the fixture, including any spacers or shims. Add to this the anchor length, allowing for any subsetting of the anchor. This will be the minimum screw length required.

Cat. No.	Size	Drill Dia.	Min. Depth	Std. Box	Std. Ctn.	Master Ctn.	Wt./1000
7559	6-8 x 3/4"	3/16"	3/4"	100	1000	5000	1
7569	8-10 x 7/8"	3/16"	7/8"	100	1000	5000	1-1/2
7579	10-12 x 1"	1/4"	1"	100	1000	5000	3
7589	14-16 x 1-1/2"	5/16"	1-1/2"	50	500	2500	6

Kits

Slotted/Phillips Sheet Metal Screws

Cat. No.	Kit No.	Anchor Size	Screw Size	Min. Depth	Anchors & Screws	Std. Ctn.	Wt./100
8934	B-8	8-10	#8 x 1"	7/8"	100	10	9-12
8936	B-10	10-12	#10 x 1"	1"	100	10	12
8938	B-12	10-12	#12 x 1"	1"	100	10	14

Each kit contains one rotary carbide drill bit.

42.5 Installation Specifications

Anchor Size	6-8	8-10	10-12	14-16
ANSI Drill Bit Size	3/16"	3/16"	1/4"	5/16"
Flange Size	19/64"	19/64"	3/8"	7/16"
Screw Size Range	6-8	8-10	10-12	14-16

42.6 Material Specifications

Anchor Component	Component Material
Anchor Body	Engineered Plastic

42.7 Performance Data

The following ultimate load capacities are based on testing conducted according to ASTM Standard E 488.

Anchor Size	Embed Depth	2,000 psi Concrete		4,000 psi Concrete		6,000 psi Concrete	
		Tension (lbs.)	Shear (lbs.)	Tension (lbs.)	Shear (lbs.)	Tension (lbs.)	Shear (lbs.)
6-8	3/4"	185	215	210	240	225	240
8-10	7/8"	300	235	440	280	520	280
10-12	1"	350	280	550	350	640	350
14-16	1-1/2"	840	530	840	575	900	575

NOTE: The values listed above are ultimate load capacities which should be reduced by minimum safety factor of 4 or greater to determine the allowable working load. Refer to the section on Anchor Selection Guidelines for details. Tests were conducted using the largest screw in a given range. These values should be used as guidelines only. The type and strength of the screw used will effect performance. Job site tests should be conducted to determine actual load capacities.