GENERAL INFORMATION

BANTAM PLUG

Plastic Wall Anchor

PRODUCT DESCRIPTION

The Bantam Plug is a plastic anchor designed for use with lightweight fixtures in concrete, block and brick. It can also be considered for use in plaster and wallboard; however, holding values in wallboard tend to be inconsistent. Other wallboard anchors may be considered depending on the application. The Bantam Plug anchor is injection molded from an engineered plastic and is designed to be used in conjunction with standard screws. These fasteners are not recommended for use overhead or applications where holding values are critical.

FEATURES AND BENEFITS

+ Performs well in several base materials
+ Anchor body is resistant to corrosion
+ Plastic keeps metal screw separate from base material
+ Offered with and without screws (available in kits)

MATERIAL SPECIFICATIONS

Anchor Component	Component Material
Anchor Body	Engineered Plastic

INSTALLATION SPECIFICATIONS

Dimension	Screw Size			
	#6 - #8	#8 - #10	#10 - #12	#14 - #16
ANSI Drill Bit Size (in.)	3/16	3/16	1/4	5/16
Flange Size (in.)	19/64	19/64	3/8	7/16
Screw Size Range (in.)	#6 - #8	#8 - #10	#10 - #12	#14 - #16
Overall Length (in.)	3/4	7/8	1	1-1/2

SECTION CONTENTS

BANTAM PLUG

ANCHOR MATERIALS

- Engineered Plastic

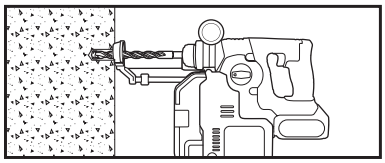
ANCHOR SIZE RANGE (TYP.)

- No. 6 through No. 16 screws (see ordering info for lengths)

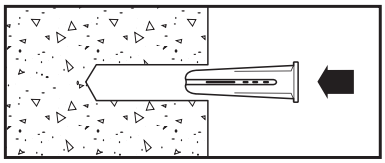
SUITABLE BASE MATERIALS

- Normal-Weight Concrete
- Solid or Hollow Concrete Masonry
- Solid or Hollow Brick Masonry

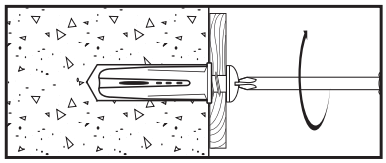
INSTALLATION INSTRUCTIONS



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



Remove dust and debris from the hole during drilling (e.g. dust extractor) or following drilling (e.g. suction, forced air) to extract loose particles created by drilling. Tap the anchor into the hole until it is flush with the surface of the base material.



Position the fixture, then 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.

PERFORMANCE DATA

Ultimate Load Capacities for Bantam Plug in Normal-Weight Concrete[1,2,3]

Screw Size Range No.	Minimum Embedment Depth in.	Minimum Concrete Compressive Minimum Strength (f´c)					
		2,000 psi		4,000 psi		6,000 psi	
		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	270	235	340	280	420	280
#10 - #12	1	350	280	550	350	640	350
#14 - #16	1-1/2	840	530	840	575	900	575

1. Ultimate load capacities are provided for reference from tests in uncracked concrete and must be reduced by a minimum safety factor of 4.0 or greater to determine allowable working loads.
2. Linear interpolation may be used to determine ultimate loads for intermediate compressive strengths.
3. These fasteners are not recommended for use overhead or applications where holding values are critical.

Allowable Load Capacities for Bantam Plug in Concrete[1,2,3]

Screw Size Range No.	Minimum Embedment Depth in.	Minimum Concrete Compressive Minimum Strength (f´c)					
		2,000 psi		4,000 psi		6,000 psi	
		Tension lbs.	Shear lbs.	Tension lbs.	Shear lbs.	Tension lbs.	Shear lbs.
#6 - #8	3/4	45	55	55	60	55	60
#8 - #10	7/8	65	60	85	70	105	70
#10 - #12	1	90	70	140	90	160	90
#14 - #16	1-1/2	210	135	210	145	225	145

1. Allowable load capacities listed are calculated using an applied safety factor of 4.0.
2. Linear interpolation may be used to determine allowable loads for intermediate compressive strengths.
3. These fasteners are not recommended for use overhead or applications where holding values are critical.

Ultimate Load and Allowable Capacities for Bantam Plug in Hollow Concrete Masonry[1,2,3]

Screw Size Range No.	Minimum Embedment Depth in.	f´m ≥ 1,500 psi			
		Ultimate Load		Allowable Load	
		Tension lbs.	Shear lbs.	Tension lbs.	Shear lbs.
#6 - #8	3/4	180	215	35	45
#8 - #10	7/8	290	235	60	45
#10 - #12	1	350	280	70	55
#14 - #16	1-1/2	840	530	170	105

1. Tabulated load values are for anchors installed in minimum 6-inch wide, Grade N, Type II, medium and normal-weight concrete masonry units.
2. Allowable loads are for anchors and are based on average ultimate values using a safety factor of 5.0.
3. These fasteners are not recommended for use overhead or applications where holding values are critical.

Ultimate and Allowable Load Capacities for Bantam Plug in Solid and Hollow Clay Brick Masonry[1,2,3]

Screw Size Range No.	Minimum Embedment Depth in.	f´m ≥ 1,500 psi			
		Ultimate Load		Allowable Load	
		Tension lbs.	Shear lbs.	Tension lbs.	Shear lbs.
#6 - #8	3/4	100	230	20	45
#8 - #10	7/8	160	260	30	50
#10 - #12	1	280	320	55	65
#14 - #16	1-1/2	880	500	175	100

1. Tabulated load values are for anchors installed in Grade SW multiple wythe, solid and hollow brick masonry conforming to ASTM C62.
2. Allowable loads are calculated using an applied safety factor of 5.0.
3. These fasteners are not recommended for use overhead or applications where holding values are critical.

ORDERING INFORMATION

Bantam Plug (Not packaged with screws)

Cat. No.	Anchor Size	Pack Qty.	Carton Qty.
07559-PWR	#6 - #8 x 3/4"	100	1,000
07569-PWR	#8 - #10 x 7/8"	100	1,000
07579-PWR	#10 - #12 x 1"	100	5,000
07589-PWR	#14 - #16 x 1-1/2"	50	2,500

Bantam Plug Kits (Master Pack)

Cat. No.	Kit No.	Anchor Size	Screw Size	Pack Qty.	Kit Qty.	Kit Carton Qty.
08934-PWR	B-8	#8 - #10	#8 x 1"	100	1	10
08936-PWR	B-10	#10 - #12	#10 x 1"	100	1	10
08938-PWR	B-12	#10 - #12	#12 x 1"	100	1	10