

GENERAL INFORMATION

BANTAM PLUG

Plastic Wall Anchor

PRODUCT DESCRIPTION

The Bantam Plug is a plastic anchor designed for use with lightweight fixtures. It can be used in concrete, block and brick. It is also suggested for use in wallboard. Holding values in wallboard tend to be inconsistent, other wall 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 a sheet metal or wood screw. These fasteners are not recommended for use overhead or applications where holding values are critical.

FEATURES AND BENEFITS

- + Performs well in most base materials
- + Anchor body is resistant to corrosion from moisture
- + Offered with and without screws (available in kits)

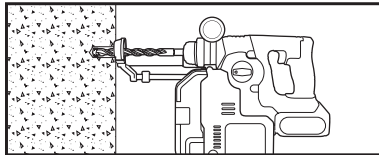
MATERIAL SPECIFICATIONS

Anchor Component	Component Material
Anchor Body	Engineered Plastic

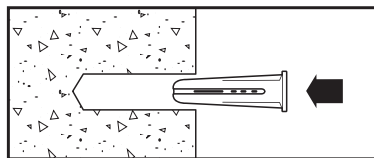
INSTALLATION SPECIFICATIONS

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

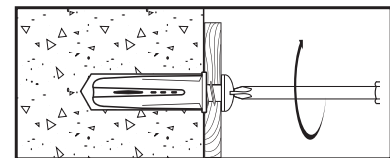
Installation Guidelines



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.

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BANTAM PLUG

ANCHOR MATERIALS

- Engineered Plastic

ANCHOR SIZE RANGE (TYP.)

- No. 6-8 screw x 3/4" length to
- No. 14-16 screw x 1-1/2" length

SUITABLE BASE MATERIALS

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

PERFORMANCE DATA

Ultimate Load Capacities for Bantam Plug in Normal-Weight Concrete^{1,2,3}

Screw Size Range No.	Minimum Embedment Depth in. (mm)	Minimum Concrete Compressive Minimum Strength (f'c)					
		2,000 psi (13.8 MPa)		4,000 psi (27.6 MPa)		6,000 psi (41.4 MPa)	
		Tension lbs. (kN)	Shear lbs. (kN)	Tension lbs. (kN)	Shear lbs. (kN)	Tension lbs. (kN)	Shear lbs. (kN)
#6 - #8	3/4 (19.1)	185 (0.8)	215 (1.0)	210 (1.9)	240 (1.1)	225 (1.0)	240 (1.1)
#8 - #10	7/8 (22.2)	270 (1.2)	235 (1.1)	340 (1.5)	280 (1.3)	420 (1.9)	280 (1.3)
#10 - #12	1 (25.4)	350 (1.6)	280 (1.3)	550 (2.5)	350 (1.6)	640 (2.9)	350 (1.6)
#14 - #16	1-1/2 (38.1)	840 (3.8)	530 (2.4)	840 (3.8)	575 (2.6)	900 (4.1)	575 (2.6)

1. Ultimate load capacities are provided for reference 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.

Ultimate Load Capacities for Bantam Plug in Concrete Masonry^{1,2,3}

Screw Size Range No.	Minimum Embedment Depth in. (mm)	Minimum Concrete Compressive Minimum Strength (f'c)					
		2,000 psi (13.8 MPa)		4,000 psi (27.6 MPa)		6,000 psi (41.4 MPa)	
		Tension lbs. (kN)	Shear lbs. (kN)	Tension lbs. (kN)	Shear lbs. (kN)	Tension lbs. (kN)	Shear lbs. (kN)
#6 - #8	3/4 (19.1)	45 (0.2)	55 (0.2)	55 (0.2)	60 (0.3)	55 (0.2)	60 (0.3)
#8 - #10	7/8 (22.2)	65 (0.3)	60 (0.3)	85 (0.4)	70 (0.3)	105 (0.5)	70 (0.3)
#10 - #12	1 (25.4)	90 (0.4)	70 (0.3)	140 (0.6)	90 (0.4)	160 (0.7)	90 (0.4)
#14 - #16	1-1/2 (38.1)	210 (0.9)	135 (0.6)	210 (0.9)	145 (0.7)	225 (1.0)	145 (0.7)

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 Capacities for Bantam Plug in Hollow Concrete Masonry^{1,2,3}

Screw Size Range No.	Minimum Embedment Depth in. (mm)	f'm ≥ 1,500 psi (10.4 MPa)			
		Ultimate Load		Allowable Load	
		Tension lbs. (kN)	Shear lbs. (kN)	Tension lbs. (kN)	Shear lbs. (kN)
#6 - #8	3/4 (19.1)	180 (0.8)	215 (1.0)	35 (0.2)	45 (0.2)
#8 - #10	7/8 (22.2)	290 (1.3)	235 (1.1)	60 (0.3)	45 (0.2)
#10 - #12	1 (25.4)	350 (1.6)	280 (1.3)	70 (0.3)	55 (0.2)
#14 - #16	1-1/2 (38.1)	840 (3.8)	530 (2.4)	170 (0.8)	105 (0.5)

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. (mm)	f'm ≥ 1,500 psi (10.4 MPa)			
		Ultimate Load		Allowable Load	
		Tension lbs. (kN)	Shear lbs. (kN)	Tension lbs. (kN)	Shear lbs. (kN)
#6 - #8	3/4 (19.1)	100 (0.5)	230 (1.0)	20 (0.1)	45 (0.2)
#8 - #10	7/8 (22.2)	160 (0.7)	260 (1.2)	30 (0.1)	50 (0.2)
#10 - #12	1 (25.4)	280 (1.3)	320 (1.4)	55 (0.2)	65 (0.3)
#14 - #16	1-1/2 (38.1)	880 (4.0)	500 (2.3)	175 (0.8)	100 (0.5)

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	Drill Diameter	Box	Carton
7559	#6 -#8 x 3/4"	3/16"	100	1,000
7569	#8 -#10 x 7/8"	3/16"	100	1,000
7579	#10 -#12 x 1"	1/4"	100	5,000
7589	#14 -#16 x 1-1/2"	5/16"	50	2,500



Bantam Plug Kits (Master Pack)

Cat. No.	Kit No.	Anchor Size	Screw Size	Anchors & Screws	Box	Carton
8934	B-8	#8 -#10	#8 x 1"	100	1	10
8936	B-10	#10 - #12	#10 x 1"	100	1	10
8938	B-12	#10 - #12	#12 x 1"	100	1	10