



**DESCRIPTION**

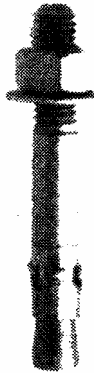
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## WEDGE ANCHORS

The wedge anchor is used for heavy-duty fastening applications where high pullout values are required. The anchor and the hold diameter are the same, simplifying the anchor installation. The advance design collar, with three protruding prongs to grip the interior of the hole, reduces the likelihood of the anchor spinning during installation. In addition, hole depth is not critical, as the wedge is non-bottom bearing, although the hold must be at least as deep as the minimum embedment depth listed below.



Diameter & Length	Minimum Embedment	Thread Length
1/4" x 1-3/4"	1-1/8"	3/4"
1/4" x 2-1/4"	1-1/8"	3/4"
1/4" x 3-1/4"	1-1/8"	3/4"
3/8" x 2-1/4"	1-5/8"	7/8"
3/8" x 2-3/4"	1-5/8"	1-1/8"
3/8" x 3"	1-5/8"	1-1/8"
3/8" x 3-3/4"	1-5/8"	1-1/8"
3/8" x 5"	1-5/8"	1-1/8"
3/8" x 6-1/2"	1-5/8"	1-1/8"
1/2" x 2-3/4"	2-1/4"	1-1/4"
1/2" x 3-3/4"	2-1/4"	1-1/4"
1/2" x 4-1/4"	2-1/4"	1-1/4"
1/2" x 5-1/2"	2-1/4"	1-1/4"
1/2" x 7"	2-1/4"	1-1/4"
1/2" x 8-1/2"	2-1/4"	1-1/4"
1/2" x 10"	2-1/4"	1-1/4"
1/2" x 12"	2-1/4"	1-1/4"
5/8" x 3-1/2"	2-3/4"	1-1/2"
5/8" x 4-1/2"	2-3/4"	1-1/2"
5/8" x 5"	2-3/4"	1-1/2"
5/8" x 6"	2-3/4"	1-1/2"
5/8" x 7"	2-3/4"	1-1/2"
5/8" x 8-1/2"	2-3/4"	1-1/2"
5/8" x 10"	2-3/4"	1-1/2"
5/8" x 12"	2-3/4"	1-1/2"
3/4" x 4-1/4"	3-3/8"	1-1/2"
3/4" x 4-3/4"	3-3/8"	1-1/2"
3/4" x 5-1/2"	3-3/8"	1-1/2"
3/4" x 6-1/4"	3-3/8"	1-1/2"
3/4" x 7"	3-3/8"	1-1/2"
3/4" x 8-1/2"	3-3/8"	1-1/2"
3/4" x 10"	3-3/8"	1-1/2"
3/4" x 12"	3-3/8"	1-1/2"
7/8" x 6"	4"	2-1/4"
7/8" x 8"	4"	2-1/4"
7/8" x 10"	4"	2-1/4"
1" x 6"	4-1/2"	2-1/4"
1" x 9"	4-1/2"	2-1/4"
1" x 12"	4-1/2"	2-1/4"
1" x 15"	4-1/2"	2-1/4"

### DROP-IN ANCHORS

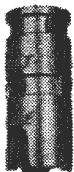
The drop-in anchor is used in medium- to heavy-duty applications in solid media such as concrete and stone. A flush, female anchor, the drop-in, houses an internal plug which is held securely in place even when used in overhead application. Drop-ins are frequently used for overhead applications, including hanging pipe, duct work, machinery, etc.



Anchor Size	Hole Size	Thread Depth	Anchor Length
1/4"	3/8"	1/2"	1"
3/8"	1/2"	5/8"	1-9/16"
1/2"	5/8"	1-13/16"	2"
5/8"	7/8"	1-13/16"	2-1/2"
3/4"	1"	1-13/16"	3-1/8"

### SINGLE EXPANSION ANCHORS

The rustproof, zinc alloy single expansion anchor is used with machine screws or machine bolts in concrete, brick or stone. The screw or bolt can be removed from the anchor, if necessary, and replaced without materially affecting the holding power of the anchor.



Internal Diameter	Hole Size	Anchor Length
1/4"	1/2"	1-5/16"
5/16"	5/8"	1-1/2"
3/8"	3/4"	1-1/2"
1/2"	7/8"	2"
5/8"	1"	2-5/8"
3/4"	1-1/4"	2-3/4"

### MACHINE SCREW ANCHORS

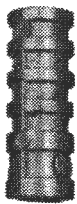
This caulking type machine screw anchor features a zinc alloy cone with a lead ring. When set, it provides a quick fixing in concrete, stone, brick, etc.



Internal Diameter	Hole Size	Anchor Length
6-32	5/16"	1/2"
8-32	5/16"	1/2"
10-24	3/8"	5/8"
1/4-20	1/2"	7/8"
5/16-18	5/8"	1"
3/8-16	3/4"	1-1/4"
1/2-13	7/8"	1-1/2"
5/8-11	1-1/8"	1-1/2"
3/4-10	1-1/4"	2-1/4"

### LAG SHIELDS

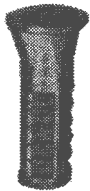
Lag shields are designed for light to medium duty fastening in concrete, mortar joint, masonry and brick. The lag shield is rustproof, and is used with a lag screw to provide a dependable fixing. The screw length can be determined by adding the length of the lag shield, the thickness or material to be fastened plus 1/4", as the tip of the lag screw must protrude out from the bottom of the anchor to ensure proper expansion. In hard masonry, the short lag shield may be used to minimize drilling. In softer masonry, the long lag shield will develop superior holding strength.



Anchor Size	Hole Size	Anchor Length
1/4"	1/2"	1"
5/16"	1/2"	1-1/4"
3/8"	5/8"	1-3/4"
1/2"	3/4"	2"
5/8"	7/8"	2"
3/4"	1"	2"
Long-Style		
1/4"	1/2"	1-1/2"
5/16"	1/2"	1-3/4"
3/8"	5/8"	2-1/2"
1/2"	3/4"	3"
5/8"	7/8"	3-1/2"
3/4"	1"	3-1/2"

### LEAD WOOD SCREW ANCHORS

For use with wood, sheet metal or lag screws, the wood screw anchor is manufactured of rustproof lead alloy. Due to the relatively soft nature of this material, the anchor conforms to irregularly shaped holes for light-duty fastening in concrete, masonry, brick or block. Screw length is determined by the length of the anchor plus 1/8" the thickness of the fixture.



Screw Sizes	Hole Size	Anchor Length
#6-#8	1/4"	3/4"
#6-#8	1/4"	1"
#6-#8	1/4"	1-1/2"
#10-#12-#14	5/16"	3/4"
#10-#12-#14	5/16"	1"
#10-#12-#14	5/16"	1-1/2"
#16-#18	3/8"	1"
#16-#18	3/8"	1-1/2"

### HAMMER DRIVE ANCHORS



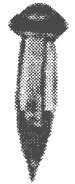
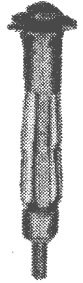
Anchor Dia & Length	Hole Size	Grip Range
<b>Hammer Drives with Zinc-Plated Names</b>		
3/16" x 7/8"	3/16"	0 - 1/8"
1/4" x 3/4"	1/4"	0 - 1/8"
1/4" x 1"	1/4"	1/8" - 1/4"
1/4" x 1-1/2"	1/4"	1/4" - 1/2"
1/4" x 1-1/2"	1/4"	1/2" - 3/4"
<b>Hammer Drives with Stainless Steel Nails</b>		
3/16" x 7/8"	3/16"	0 - 1/8"
1/4" x 3/4"	1/4"	0 - 1/8"
1/4" x 1"	1/4"	1/8" - 1/4"
1/4" x 1-1/4"	1/4"	1/4" - 1/2"
1/4" x 1-1/2"	1/4"	1/2" - 3/4"
1/4" x 2"	1/4"	3/4" - 1-1/4"



## HOLLOW WALL ANCHORS

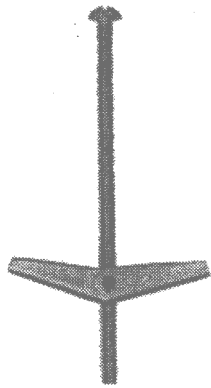
This anchor is designed to be used in shallow materials such as wallboard, plaster, paneling, hollow block, etc.

Anchor Size	Screw Size & Length	Hole Size	Anchor Body Length	Grip Range	Head Style
<b>Hollow Wall Anchors</b>					
1/8 XShort	6-32 x 1"	5/16"	3/4"	1/16" – 1/4"	Pan/Combo
1/8 Short	6-32 x 1-1/2"	1/4"	1-1/4"	1/8" x 1/2"	Pan/Combo
1/8 Short	6-32 x 1-1/2"	1/4"	1-1/4"	1/8" x 1/2"	Hex
1/8 Long	6-32 x 2"	1/4"	1-5/8"	5/8" x 7/8"	Pan/Combo
1/8 Long	6-32 x 2"	1/4"	1-5/8"	5/8" x 7/8"	Hex
1/8 Long	6-32 x 2"	1/4"	1-3/4"	1/8" x 13/16"	Pan/Combo
1/8 XLong	6-32 x 2-1/2"	1/4"	2-1/4"	1-1/4" – 1-1/2"	Pan/Combo
3/16 Short	10-24 x 2-1/4"	3/8"	2-1/16"	1/8" – 5/8"	Pan/Combo
3/16 Long	10-24 x 2-3/4"	3/8"	2-1/2"	5/8" – 1-3/16"	Pan/Combo
3/16 XLong	10-24 x 3-1/2"	3/8"	3-1/8"	1-1/4" – 1-3/4"	Pan/Combo
1/4 Short	1/4-20 x 2-1/4"	1/2"	2-1/16"	1/8" – 5/8"	Pan/Combo
1/4 Long	1/4-20 x 2-3/4"	1/2"	2-1/2"	5/8" – 1-3/16"	Pan/Combo
1/4 XLong	1/4-20 x 3-1/2"	1/2"	3-1/8"	1-1/4" – 1-3/4"	Pan/Combo
<b>Hollow Wall Drive Anchors</b>					
1/8 XShort	6-32 x 1-3/8"	5/16"	3/4"	1/16" – 1/4"	Pan/Combo
1/8 Short	6-32 x 1-3/4"	1/4"	1-1/4"	1/8" – 1/2"	Pan/Combo
1/8 Short	6-32 x 1-3/4"	1/4"	1-1/4"	1/8" – 1/2"	Hex
1/8 Long	6-32 x 2-11/32"	1/4"	1-3/4"	5/8" – 7/8"	Pan/Combo
1/8 Long	6-32 x 2-11/32"	1/4"	1-3/4"	1/8" – 13/16"	Pan/Combo
1/8 Long	6-32 x 2-11/32"	1/4"	1-3/4"	1/8" – 13/16"	Hex
<b>Hollow Door Anchors</b>					
1/8 XShort	6-32 x 1"	5/16"	11/32"	0 – 3/16"	Pan/Combo
1/8 MShort	6-32 x 1"	5/16"	13/16"	3/16" – 3/8"	Pan/Combo
3/16 Short	10-24 x 1"	13/32"	11/16"	0 – 3/16"	Pan/Combo
<b>Hollow Door Drive Anchors</b>					
1/8 MShort	6-32 x 1-11/32"	11/32"	13/16"	3/16" – 3/8"	Pan/Combo
1/8 XShort	6-32 x 1-11/32"	11/32"	11/32"	0 – 3/16"	Pan/Combo



## TOGGLE BOLTS

Toggle bolts are used in hollow wall, plaster, hollow tile and block applications.



Diameter & Length	Hole Size	Tensile Value
1/8" x 2"	3/8"	240
1/8" x 3"	3/8"	240
1/8" x 4"	3/8"	240
3/16" x 3"	1/2"	430
3/16" x 4"	1/2"	430
1/4" x 3"	5/8"	900
1/4" x 4"	5/8"	900
1/8" x 2"	3/8"	240
1/8" x 3"	3/8"	240
1/8" x 4"	3/8"	240
3/16" x 2"	1/2"	430
3/16" x 3"	1/2"	430
3/16" x 4"	1/2"	430
3/16" x 5"	1/2"	430
3/16" x 6"	1/2"	430
1/4" x 3"	5/8"	900
1/4" x 4"	5/8"	900
1/4" x 5"	5/8"	900
1/4" x 6"	5/8"	900
5/16" x 3"	7/8"	1030
5/16" x 4"	7/8"	1030
5/16" x 5"	7/8"	1030
5/16" x 6"	7/8"	1030
3/8" x 3"	1"	1090
3/8" x 4"	1"	1090
3/8" x 5"	1"	1090
3/8" x 6"	1"	1090
1/2" x 4"	1-1/4"	1200
1/2" x 5"	1-1/4"	1200
1/2" x 6"	1-1/4"	1200
1/8" x 2"	3/8"	240
1/8" x 3"	3/8"	240
1/8" x 4"	3/8"	240
3/16" x 3"	1/2"	430
3/16" x 4"	1/2"	430
1/4" x 3"	5/8"	900
1/4" x 4"	5/8"	900

### TOGGLE WINGS



Thread Size	Wing Length	Hole Size	Tensile Value
6 – 32	1-3/4"	3/8"	240
10 – 24	2-1/4"	1/2"	430
1/4 – 20	2-1/4"	5/8"	900
5/16 – 18	2-3/4"	7/8"	1030
3/8 – 16	3-1/4"	1"	1090
1/2 – 13	5"	1-1/4"	1200

### NYLON NAIL ANCHORS

The nylon nail anchor is made of virgin nylon, which remains flexible and resistant to drying and embrittlement.



Diameter & Length	Head Diameter	Hole Size
3/16" x 1"	9/16"	3/16"
3/16" x 1/2"	9/16"	3/16"
1/4" x 1"	9/16"	1/4"
1/4" x 1"	9/16"	1/4"
1/4" x 1-1/2"	9/16"	1/4"
1/4" x 2"	9/16"	1/4"
1/4" x 3"	9/16"	1/4"
1/4" x 4"	9/16"	1/4"
<b>Round Head Sizes</b>		
3/16" x 1	3/8"	3/16"
3/16" x 1/2"	3/8"	3/16"
1/4" x 1"	7/16"	1/4"
1/4" x 1-1/2"	7/16"	1/4"
1/4" x 1-1/2" Shell	7/16"	1/4"
1/4" x 2"	7/16"	1/4"
<b>Flat Head Sizes</b>		
3/16" x 1"	3/8"	3/16"
3/16" x 1-1/2"	3/8"	3/16"
1/4" x 1"	7/16"	1/4"
1/4" x 1-1/2"	7/16"	1/4"



## RIBBED PLASTIC ANCHORS

Ribbed plastic anchors are used for light duty fastening in concrete, brick, masonry or drywall.



Diameter & Length	Hole Size	To Use With Screw Sizes	Color
<b>Ribbed Plastic Anchors with Lip</b>			
3/16" x 7/8"	3/16"	#6 - #8	Gray
3/16" x 7/8"	3/16"	#6 - #8	Red
3/16" x 7/8"	3/16"	#6 - #8	Gray
3/16" x 7/8"	3/16"	#6 - #8	Red
3/16" x 7/8"	3/16"	#6 - #8	Gray
3/16" x 7/8"	3/16"	#6 - #8	Red
1/4" x 1"	1/4"	#10 - #12	Gray
1/4" x 1"	1/4"	#10 - #12	Red
1/4" x 1"	1/4"	#10 - #12	Gray
1/4" x 1"	1/4"	#10 - #12	Red
1/4" x 1"	1/4"	#10 - #12	Gray
1/4" x 1"	1/4"	#10 - #12	Red
5/16" x 1-1/4"	5/16"	#14 - #16	Gray
5/16" x 1-1/4"	5/16"	#14 - #16	Red
5/16" x 1-1/4"	5/16"	#14 - #16	Gray
5/16" x 1-1/4"	5/16"	#14 - #16	Red
5/16" x 1-1/4"	5/16"	#14 - #16	Gray
5/16" x 1-1/4"	5/16"	#14 - #16	Red
<b>Ribbed Plastic Anchors without Lip</b>			
3/16" x 7/8"	3/16"	#6 - #8	Gray
3/16" x 7/8"	3/16"	#6 - #8	Gray
3/16" x 7/8"	3/16"	#6 - #8	Gray
1/4" x 1"	1/4"	#10 - #12	Gray
1/4" x 1"	1/4"	#10 - #12	Gray
1/4" x 1"	1/4"	#10 - #12	Gray
5/16" x 1-1/4"	5/16"	#14 - #16	Gray
5/16" x 1-1/4"	5/16"	#14 - #16	Gray
5/16" x 1-1/4"	5/16"	#14 - #16	Gray

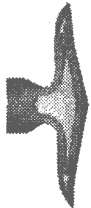


### CONICAL PLASTIC ANCHORS



Diameter & Length	Hole Size	To Use With Screw Sizes	Color
3/16" x 3/4"	3/16"	#4 - #6 - #8	Red
3/16" x 3/4"	3/16"	#4 - #6 - #8	Blue
3/16" x 3/4"	3/16"	#4 - #6 - #8	Red
3/16" x 3/4"	3/16"	#4 - #6 - #8	Blue
3/16" x 3/4"	3/16"	#4 - #6 - #8	Red
3/16" x 3/4"	3/16"	#4 - #6 - #8	Blue
3/16" x 7/8"	3/16"	#6 - #8 - #10	Red
3/16" x 7/8"	3/16"	#6 - #8 - #10	Blue
3/16" x 7/8"	3/16"	#6 - #8 - #10	Red
3/16" x 7/8"	3/16"	#6 - #8 - #10	Blue
3/16" x 7/8"	3/16"	#6 - #8 - #10	Red
3/16" x 7/8"	3/16"	#6 - #8 - #10	Blue
1/4" x 1"	1/4"	#10 - #12	Red
1/4" x 1"	1/4"	#10 - #12	Blue
1/4" x 1"	1/4"	#10 - #12	Red
1/4" x 1"	1/4"	#10 - #12	Blue
1/4" x 1"	1/4"	#10 - #12	Red
1/4" x 1"	1/4"	#10 - #12	Blue
5/16" X 1-1/4"	5/16"	#14 - #16	Red
5/16" X 1-1/4"	5/16"	#14 - #16	Blue
5/16" X 1-1/4"	5/16"	#14 - #16	Red
5/16" X 1-1/4"	5/16"	#14 - #16	Blue
5/16" X 1-1/4"	5/16"	#14 - #16	Red
5/16" X 1-1/4"	5/16"	#14 - #16	Blue

### PLASTIC TOGGLES



Anchor Size	Wall Thickness to be Fastened	Hole Size
Small	0 - 1/8"	5/16"
Medium	3/8" - 1/2"	5/16"
Large	1/2" - 5/8"	5/16"