



ZAMAC DRIVE PIN TYPE ANCHORS

ZAMAC™ Drive Pin Anchor

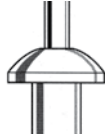


The TFC ZAMAC™ is a tamper-proof nail drive anchor which has a body formed from Zamac alloy. Nails are available in carbon or stainless steel. The anchor can be used in concrete, block, brick or stone. This anchor is not recommended for applications overhead.

Base Material: Concrete, Block, Brick, Stone

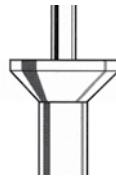
Size Range: 3/16" x 7/8" to 1/4" x 2"

Anchor Material: Zamac Alloy with Carbon or Stainless Steel Drive Pin



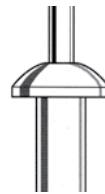
Mushroom Head Zamac Nailin® Carbon Steel Nail

Size	Drill Dia.	Std. Box	Std. Ctn.
1/4" x 3/4"	1/4"	100	500
1/4" x 1"	1/4"	100	500
1/4" x 1-1/4"	1/4"	100	500
1/4" x 1-1/2"	1/4"	100	500
1/4" x 2"	1/4"	100	500



Flat Head Zamac Nailin® Carbon Steel Nail

Size	Drill Dia.	Std. Box	Std. Ctn.
1/4" x 1-1/2"	1/4"	100	500
1/4" x 2"	1/4"	100	500



Mushroom Head Zamac Nailin® Type 304 Stainless Steel Nail

Size	Drill Dia.	Std. Box	Std. Ctn.
1/4" x 1"	1/4"	100	500
1/4" x 1-1/4"	1/4"	100	500
1/4" x 1-1/2"	1/4"	100	500
1/4" x 2"	1/4"	100	500

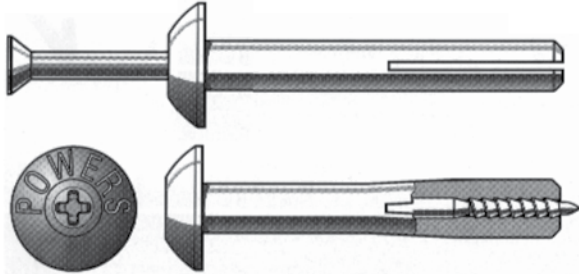
Performance Data

The following ultimate load capacities are based on tests 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.)
1/4"	5/8"	480	1230	600	1500	640	1500
1/4"	3/4"	580	1230	720	1500	760	1500
1/4"	7/8"	770	1350	820	1500	890	1500
1/4"	1 1/8"	890	1400	960	1500	1060	1500
1/4"	1 3/8"	980	1400	1150	1500	1230	1500
1/4"	1 7/8"	1150	1400	1300	1500	1365	1500

Ultimate Load Capacities - C-90 Hollow Block and Red Solid Block

Anchor Size	Embed. Depth	C-90 Hollow Block		Red Solid Block	
		Tension (lbs)	Shear (lbs.)	Tension (lbs)	Shear (lbs.)
3/16"	3/4"	270	860	460	920
1/4"	5/8"	360	1040	570	1250
1/4"	3/4"	480	1160	790	1400
1/4"	1"	590	1320	820	1400
1/4"	1 3/8"	800	1320	950	1400
1/4"	1 1/2"	965	1320	1015	1400



Zamac Hammer-Screw®

The Zamac Hammer-Screw® is a unique, one-step drive anchor featuring a Phillips type head and a screw thread used for concrete, block, brick or stone. With a body formed from corrosion resistant Zamac alloy and carbon or stainless steel drive screw, this anchor has been developed by Powers as an improvement over standard nail-in anchors. Traditionally, Zamac Nailin® anchors have been used for light duty, non-engineered applications and have not been recommended for use overhead. In order to overcome these problems, the new Zamac Hammer-Screw® has been designed to provide a removable anchor with 40% higher tension load capacities when installed in concrete. The Zamac Hammer-Screw® can be used overhead provided it is part of an engineered system designed by an engineer who will take the proper design considerations and safety factors into account.

Base Material: Concrete, Block, Brick, Stone

Size Range: 1/4" x 3/4" to 1/4" x 3"

Anchor Material: Zamac Alloy with Carbon or Stainless Steel Drive Screw

Zamac Hammer-Screw® Anchor Stainless Steel Mushroom Head With No. 2 Phillips Type Screw

Size	Drill Dia.	Std. Box	Std. Ctn.
1/4" x 2"	1/4"	100	500
Master Pack W/Carbon Steel Screw			
1/4" x 3/4"	1/4"	1000	1000
1/4" x 1"	1/4"	1000	1000
1/4" x 1-1/4"	1/4"	1000	1000
1/4" x 1-1/2"	1/4"	1000	1000
1/4" x 2"	1/4"	1000	1000
1/4" x 2-1/4"	1/4"	1000	1000
1/4" x 3"	1/4"	1000	1000

Zamac Hammer-Screw® Anchor Carbon Steel Mushroom Head With No. 2 Phillips Type Screw

Size	Drill Dia.	Std. Box	Std. Ctn.
1/4" x 3/4"	1/4"	100	500
1/4" x 1"	1/4"	100	500
1/4" x 1-1/4"	1/4"	100	500
1/4" x 1-1/2"	1/4"	100	500
1/4" x 2"	1/4"	100	500
1/4" x 2-1/4"	1/4"	100	500
1/4" x 3"	1/4"	100	500

Performance Data

The following ultimate load capacities are based on tests 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.)
1/4"	5/8"	675	1,420	850	1,800	890	1,800
1/4"	3/4"	790	1,500	920	1,800	1,090	1,800
1/4"	7/8"	1,060	1,600	1,190	1,800	1,250	1,800
1/4"	1 1/8"	1,220	1,600	1,350	1,800	1,450	1,800
1/4"	1 3/8"	1,360	1,600	1,540	1,800	1,650	1,800
1/4"	1 7/8"	1,480	1,600	1,600	1,800	1,780	1,800

Ultimate Load Capacities - C-90 Hollow Block and Red Solid Block

Anchor Size	Embed. Depth	C-90 Hollow Block		Red Solid Block	
		Tension (lbs.)	Shear (lbs.)	Tension (lbs.)	Shear (lbs.)
1/4"	5/8"	420	1,160	680	1,400
1/4"	3/4"	540	1,200	930	1,600
1/4"	1"	650	1,400	990	1,600
1/4"	1 3/8"	840	1,400	1,150	1,600
1/4"	1 1/2"	990	1,400	1,260	1,600



NYLON NAILIN® DRIVE PIN TYPE ANCHORS LIGHT DUTY



Nylon Nailin® Plastic Drive Pin Type Anchor

The Nylon Nailin® is a pin drive anchor with a body formed from engineered nylon and nails available in carbon and stainless steel. The anchor can be used in concrete, block, or brick. This anchor is not recommended for applications overhead.

Base Material: Concrete, Block, Brick • Size Range: 3/16" x 1" to 1/4" x 6"

Anchor Material: Engineered Nylon with Carbon or Stainless Steel Drive Pin



Round Head Nylon Nailin® Carbon Steel Nail



Size	Drill Dia.	Std. Box	Std. Ctn.
3/16" x 1"	3/16"	100	1000
3/16" x 1-1/2"	3/16"	100	1000
1/4" x 1"	1/4"	100	1000
1/4" x 1-1/4"	1/4"	100	1000
1/4" x 1-1/2"	1/4"	100	1000
1/4" x 2"	1/4"	100	1000

Flat Head Nylon Nailin® Carbon Steel Nail



Size	Drill Dia.	Std. Box	Std. Ctn.
3/16" x 7/8"	3/16"	100	500
3/16" x 1-1/2"	3/16"	100	500
1/4" x 1"	1/4"	100	500
1/4" x 1-1/4"	1/4"	100	500
1/4" x 1-1/2"	1/4"	100	500
1/4" x 2"	1/4"	100	500

Mushroom Head Nylon Nailin® Carbon Steel Nail



Size	Drill Dia.	Std. Box	Std. Ctn.
3/16" x 1"	3/16"	100	1000
1/4" x 3/4"	1/4"	100	1000
1/4" x 1"	1/4"	100	1000
1/4" x 1-1/2"	1/4"	100	1000
1/4" x 2"	1/4"	100	1000
1/4" x 3"	1/4"	100	1000
1/4" x 4"	1/4"	100	1000
1/4" x 6"	1/4"	100	400

Performance Data

The following ultimate load capacities are based on tests 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.)
3/16"	3/4"	180	280	195	320	200	320
3/16"	1"	200	280	220	320	230	320
1/4"	5/8"	120	320	140	500	180	500
1/4"	3/4"	220	320	240	500	245	500
1/4"	1"	230	320	250	500	260	500
1/4"	1 1/2"	240	320	270	500	280	500
1/4"	2"	255	320	285	500	300	500

Ultimate Load Capacities - C-90 Hollow Block and Red Solid Block

Anchor Size	Embed. Depth	C-90 Hollow Block		Red Solid Block	
		Tension (lbs)	Shear (lbs.)	Tension (lbs)	Shear (lbs.)
3/16"	3/4"	170	280	155	320
3/16"	1"	180	280	170	320
1/4"	5/8"	110	320	150	500
1/4"	3/4"	160	320	200	500
1/4"	1"	170	320	220	500
1/4"	1 1/4"	180	320	240	500
1/4"	1 1/2"	200	320	250	500