



# **ALLIED BOLT<sup>®</sup>**

**PRODUCTS, LLC**

**EARTH  
ANCHORS**

**POLELINE  
HARDWARE**

**AERIAL DROP  
HARDWARE**

**DROP  
ATTACHMENTS**

**GROUNDING  
HARDWARE**

**BANDING**

**TOOLS**

**WALL  
ANCHORS**

**FASTENERS**

**2009-2010**

## Suitable Substrates for Anchors

	CONCRETE	SOLID BRICK	HOLLOW BRICK	SOLID BLOCK	HOLLOW BLOCK	STONE	PLYWOOD	WALLBOARD
D Plastic Anchor	●	●	○	○	○	○		●
Conical Anchor	●	●	○	○	○	○		●
Plastic Plug Anchor	●	○	○	○	○	○		○
Driller Toggle™								●
Toggle Style Drywall Anchor			○		○		●	●
Self Drilling Drywall Anchor							○	●
Anchor Wall Screw			●				●	●
Hollow Wall Drive Anchor								●
Pull Style Drywall Anchor					●		○	●
Toggle Bolt					●		○	●
B & C Nylon Nail In	●	●	○	○	○	○		
B Masonry Fastener								
C Masonry Fastener								
B Drive Anchor	●	●	○	●	○	○		
C Drive Anchor	●	●	○	●	○	○		
316 Stainless Mushroom Head Spike Anchor	●	○		○		○		
Grade 8.2 Carbon Steel Mushroom Head Spike Anchor	●	○		○		○		
Split Drive Type Anchor	●	○		○		○		
B Steel Anchor	●	●	●	●	●			
Concrete Bolt	●	●	○	●	○	○		
Wall Dog Anchor	●	●	●	●	●			
Lead Wood Screw Anchor	●	●	○	○	○	○		
Lag Shield	●	○	○	○	○	○		
Machine Screw Anchor	●	●	○	○	○	○		
Single Expansion Shield	●	○		○		○		
Double Expansion Shield	●	○		○		○		
Para Sleeve Anchor	●	●	○	●	○	○		
Pin Drive Expansion Anchor	●	●	○	●	○	○		
Super Sleeve Anchor	●	●	○	●	○	○		
Drop In Anchor	●							
Concrete Insert	○							
Hex Wedge Anchor	●			○		○		

● SUITABLE ○ MAY BE SUITABLE

Load values provided in Wall Anchor section are estimated and may vary in actual use.

## D Plastic Anchor Kit

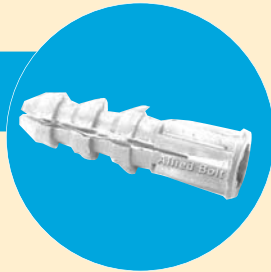
- Supplied in high quality unbreakable clear plastic box that is divided into two compartments.
- Kit includes one slow spiral carbide drill bit.
- Manufactured in the United States.



PART NUMBER	KIT CONTAINS
126PXX	(100) D10 Plastic Anchors (100) #8 x 1" Combo Pan Tapping Screws (1) 3/16" x 4" Masonry Drill Bit
126HXX	(100) D10 Plastic Anchors (100) #8 x 1" Slot Hex Tapping Screws (1) 3/16" x 4" Masonry Drill Bit
126HPS	(100) D10 Plastic Anchors (100) #8 x 1" Combo Hex Tapping Screws (1) 3/16" x 4" Masonry Drill Bit
127PXX	(100) D12 Plastic Anchors (100) #10 x 1" Combo Pan Tapping Screws (1) 1/4" x 4" Masonry Drill Bit
127HXX	(100) D12 Plastic Anchors (100) #10 x 1" Slot Hex Tapping Screws (1) 1/4" x 4" Masonry Drill Bit
127HPS	(100) D12 Plastic Anchors (100) #10 x 1" Combo Hex Tapping Screws (1) 1/4" x 4" Masonry Drill Bit
128PXX	(50) D16 Plastic Anchors (50) #12 x 1 1/4" Combo Pan Tapping Screws (1) 5/16" x 4" Masonry Drill Bit
128HXX	(50) D16 Plastic Anchors (50) #12 x 1 1/4" Slot Hex Tapping Screws (1) 5/16" x 4" Masonry Drill Bit
128HPS	(50) D16 Plastic Anchors (50) #12 x 1 1/4" Combo Hex Tapping Screws (1) 5/16" x 4" Masonry Drill Bit

## D Plastic Anchor

- Used with wood screws or tapping screws for making lightweight attachments (under 50 lbs.) such as cable clips and clamps, outside network interfaces (ONI), protectors, ground blocks, etc.
- For use in concrete, hollow block, solid block, and wallboard.
- Flange is formed at top end to prevent anchor from sinking in hole during installation in hollow materials.
- Two longitudinal slots are formed on the working end of anchor to allow each half to expand.
- Ribs prevent anchor from turning and to prevent pullout.
- Not for use in overhead applications.
- Anchor body is resistant to corrosion from moisture.
- Molded from polypropylene.
- Manufactured in the United States.



PART NUMBER	SIZE	DESCRIPTION	MIN. HOLE DEPTH	RECOMMENDED HOLE DIAMETER	BELL NUMBER	STD PKG
126	#4-6-8 x 7/8"	D10	7/8"	3/16"	400003315	8
127	#8-10-12 x 1"	D12	1"	1/4"	400003323	8
128	#12-14-16 x 1 1/4"	D16	1 1/4"	5/16"	400003331	8
105	#4-6-8 x 7/8"	D10	7/8"	3/16"		100
106	#8-10-12 x 1"	D12	1"	1/4"		100
84	#12-14-16 x 1 1/4"	D16	1 1/4"	5/16"		50
12800	#12-14-16 x 1 1/4"	D16	1 1/4"	5/16"		100



## Conical Anchor

- Used for making lightweight attachments (under 40 lbs.) in concrete, solid block, drywall, plaster, and wallboard.
- Recommended for light duty static applications where holding power is not a critical factor.
- Flange is formed at top end to prevent anchor from sinking in hole during installation in hollow materials.
- Three horizontal fins prevent anchor from turning during installation.
- Anchor body is resistant to corrosion from moisture.
- Not for use in overhead applications.
- Molded from polypropylene.
- Manufactured in the United States.

PART NUMBER	SIZE	RECOMMENDED HOLE SIZE	MIN. HOLE DEPTH	STD PKG
187	#6-8 x 3/4"	3/16"	3/4"	100
186	#8-10 x 7/8"	3/16"	7/8"	100
180	#10-12 x 1"	1/4"	1"	100
181	#14-16 x 1 1/2"	5/16"	1 1/2"	50

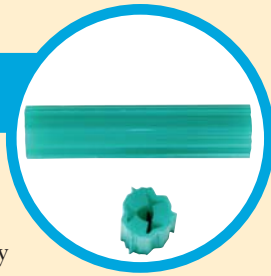


## Conical Anchor Kit

- Supplied in a high quality unbreakable clear plastic box that is divided into two compartments.
- Kit includes one slow spiral carbide drill bit.
- Manufactured in the United States.

PART NUMBER	KIT CONTAINS
187PXX	(100) #6-8 x 3/4" Conical Plastic Anchors (100) #6 x 1" Combo Pan AB Tapping Screws (1) 3/16" x 4" Masonry Drill Bit
186PXX	(100) #8-10 x 7/8" Conical Plastic Anchors (100) #8 x 1" Combo Pan AB Tapping Screws (1) 3/16" x 4" Masonry Drill Bit
180PXX	(100) #10-12 x 1" Conical Plastic Anchors (100) #10 x 1 1/4" Combo Pan AB Tapping Screw (1) 1/4" x 4" Masonry Drill Bit
181PXX	(50) #14-16 x 1 1/2" Conical Plastic Anchors (50) #14 x 1 1/2" Combo Pan AB Tapping Screw (1) 5/16" x 4" Masonry Drill Bit
187HXX	(100) #6-8 x 3/4" Conical Plastic Anchors (100) #6 x 1" Slotted Hex Washer AB Tapping Screws (1) 3/16" x 4" Masonry Drill Bit
186HXX	(100) #8-10 x 7/8" Conical Plastic Anchors (100) #8 x 1" Slotted Hex Washer AB Tapping Screws (1) 3/16" x 4" Masonry Drill Bit
180HXX	(100) #10-12 x 1" Conical Plastic Anchors (100) #10 x 1 1/4" Combo Hex AB Tapping Screw (1) 1/4" x 4" Masonry Drill Bit
181HXX	(50) #14-16 x 1 1/2" Conical Plastic Anchors (50) #14 x 1 1/2" Combo Hex AB Tapping Screw (1) 5/16" x 4" Masonry Drill Bit

## Plastic Plug Anchor



- Used for making lightweight attachments (under 40 lbs.) in concrete, solid block, and stone.
- Recommended for light duty static applications where holding power is not a critical factor.
- Not for use in overhead applications.
- Longitudinal ribs on the anchor body prevent turning when screw is tightened.
- Internationally color-coded for easy identification of diameter.
- Extruded from PVC.
- Manufactured in the United States.

PART NUMBER	SIZE	COLOR	RECOMMENDED HOLE DIAMETER	PULL OUT (LBS)	STD PKG
460	#4-6 x 1"	White	3/16"	100	100
461	#7-9 x 1 1/2"	Red	7/32"	150	100
462	#10-12 x 1 1/4"	Green	1/4"	250	100
463	#10-12 x 1 1/2"	Green	1/4"	400	100
464	#14 x 1 1/2"	Blue	5/16"	500	100

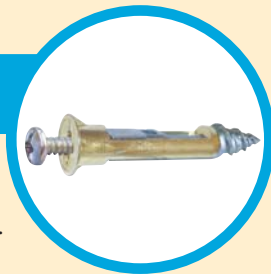
## Plastic Plug Anchor Kit



- Supplied in high quality unbreakable clear plastic box that is divided into two compartments.
- Kit includes one slow spiral carbide drill bit.
- Manufactured in the United States.

PART NUMBER	KIT CONTAINS
460PXX	(100) #4-6 x 1" Plastic Plug Anchors (100) #6 x 1" Combo Pan AB Tapping Screws (1) 3/16" x 4" Masonry Drill Bit
461PXX	(50) #7-9 x 1 1/2" Plastic Plug Anchors (50) #8 x 1 1/2" Combo Pan AB Tapping Screws (1) 7/32" x 4" Masonry Drill Bit
462PXX	(50) #10-12 x 1 1/4" Plastic Plug Anchors (50) #10 x 1 1/4" Combo Pan AB Tapping Screw (1) 1/4" x 4" Masonry Drill Bit
463PXX	(50) #10-12 x 1 1/2" Plastic Plug Anchors (50) #10 x 1 1/2" Combo Pan AB Tapping Screw (1) 1/4" x 4" Masonry Drill Bit
464PXX	(50) #14 x 1 1/2" Conical Plastic Anchors (50) #14 x 1 1/2" Combo Pan AB Tapping Screw (1) 5/16" x 4" Masonry Drill Bit

## Driller Toggle™



- Used for making lightweight attachments (under 50 lbs.) in drywall.
- Excellent where vertical loads are present (i.e.; attachments to ceilings).
- Toggle action for extra holding power in drywall.
- Expands and grips behind 3/8", 1/2", and 5/8" drywall.
- Manufactured in the United States.

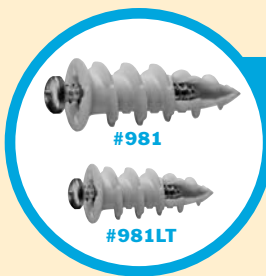
PART NUMBER	DESCRIPTION	STD PKG
977	Kit Containing: (25) Driller Toggles (25) #8 x 2" Combo Pan AB Tapping Screw Zinc Plated	1



### Toggle Style Drywall Anchor

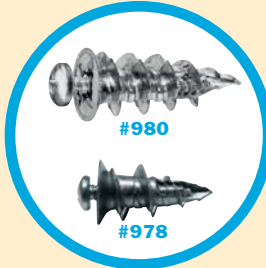
- Used for making lightweight attachments (under 30 lbs.) such as terminals and phone jacks to drywall or solid masonry.
- Fins on the head of the anchor prevent it from spinning as it is tightened.
- As the screw advances, it engages the outer portion of the wings to form a rigid truss shape.
- Will stay in place if screw is removed.
- Molded from polyethylene.
- Manufactured in the United States.

PART NUMBER	DESCRIPTION	RECOMMENDED HOLE DIAMETER	WALL THICKNESS	SCREW DIAMETER ACCEPTED	BELL NUMBER	STD PKG
348	Small Toggle Anchor	3/8"	3/8"	#6	401748421	100
349	Medium Toggle Anchor	3/8"	1/2"	#8	401748439	100
350	Large Toggle Anchor	3/8"	5/8"	#8	401748447	100



### Self Drilling Drywall Anchor

- Used for making lightweight attachments (under 40 lbs.) to drywall.
- Eliminates the need for pre-drilling holes.
- Slim design will not disrupt the consistency of the drywall.
- Thin knife-like threads have an oversized outer diameter that cuts deeply in sheetrock to spread the load area over a large bearing area.
- Nylon Drywall Anchors are non-conductive and are ideal when attaching electrical devices.
- Manufactured in the United States.



PART NUMBER	DESCRIPTION	RECOMMENDED SCREW SIZE	STD PKG
981	Nylon Self Drilling Drywall Anchor	#8	100
980	Zamac Self Drilling Drywall Anchor	#8	100
981LT	Mini Nylon Self Drilling Drywall Anchor	#6	100
978	Mini Zamac Self Drilling Drywall Anchor	#6	100

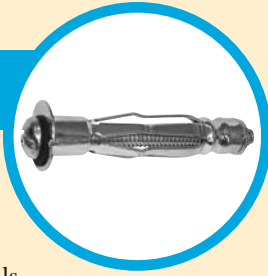


### Self Drilling Drywall Anchor Kit

- Supplied in a high quality unbreakable clear plastic box.
- Manufactured in the United States.

PART NUMBER	KIT CONTAINS
981PXX	(50) Nylon Self Drilling Drywall Anchor (50) #8 x 1 1/4" Combo Pan AB Tapping Screws
980PXX	(50) Zinc Self Drilling Drywall Anchor (50) #8 x 1 1/4" Combo Pan AB Tapping Screws
981LTPXX	(50) Mini Nylon Self Drilling Drywall Anchor (50) #6 x 7/8" Combo Pan AB Tapping Screws
978PXX	(50) Mini Zinc Self Drilling Drywall Anchor (50) #6 x 7/8" Combo Pan AB Tapping Screws

## Anchor Wall Screw



- Used for making lightweight attachments (under 40 lbs.) such as terminals and back-plates of wall phones to drywall.
- Fiber washer prevents anchor from turning while tightening screw.
- Manufactured from AISI 1008 Steel.
- Once anchor is set, screw may be removed as often as necessary without effecting anchor.
- Anchor Wall Screws are comprised of expansion sleeve and a machine screw.
- The sleeve is formed from steel with a flanged collar at one end and a threaded section at the working end.
- Flanged collar has two prongs which grip surface of base material to prevent anchor from spinning during installation.
- As screw is tightened, the screw pulls against threaded section causing legs to expand and draw up tightly against the inside wall.
- For use in plywood, hollow tile, plaster, and drywall.
- Zinc-plated to meet ASTM Specification B633, Class SC4, Type 1.
- Manufactured in the United States.

PART NUMBER	SIZE	DESCRIPTION	BELL NUMBER	STD PKG
302	1/8" XS	B1	401899471	8
90	1/8" XS	B1		100
300	1/8" S	B4	400003380	8
3000	1/8" S	B4		100
79	1/8" S	B4 (3 piece)		8
301	1/8" L	B6	400003400	8
3010	1/8" L	B6		100
305	1/8" XL	B8	400003432	8
3050	1/8" XL	B8		100
303	3/16" S	B10	400407722	8
3030	3/16" S	B10		100
536	3/16" L	B11	400003463	8
5360	3/16" L	B11		100
304	3/16" XL	B12	400003463	8
91	3/16" XL	B12		100
296	1/4" S	B13	401899471	8
297	1/4" L	B14	400003489	8

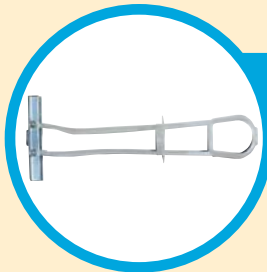
DESCRIPTION	SCREW SIZE	WALL THICKNESS	HOLE SIZE
B1	#6-32 x 1"	0" to 1/4"	5/16"
B4	#6-32 x 1 1/2"	1/8" to 1/2"	5/16"
B6	#6-32 x 2"	5/8" to 7/8"	5/16"
B8	#6-32 x 2 1/2"	1 1/4" to 1 1/2"	5/16"
B10	#10-24 x 2 1/4"	1/8" to 5/8"	3/8"
B11	#10-24 x 2 3/4"	5/8" to 1 1/4"	3/8"
B12	#10-24 x 3 1/2"	1 1/4" to 1 3/4"	3/8"
B13	1/4"-20 x 2 1/4"	1/8" to 5/8"	7/16"
B14	1/4"-20 x 2 3/4"	1 1/4" to 1 3/4"	7/16"



## Hollow Wall Drive Anchor

- Used for making lightweight attachments (under 40 lbs.) such as terminals and back-plates of wall phones to drywall.
- No pre-drilling is required.
- Fiber washer prevents anchor from turning while tightening screw.
- Once anchor is set, screw may be removed as often as necessary without effecting anchor.
- Hollow Wall Drive Anchors are comprised of an expansion sleeve and a machine screw.
- The sleeve is formed from steel with a flanged collar at one end and a threaded section at the working end.
- Flanged collar has two prongs which grip surface of base material to prevent anchor from spinning during installation.
- As screw is tightened, the screw pulls against threaded section causing legs to expand and draw up tightly against the inside wall.
- Hollow Wall Drive Anchors have a sharp point on the end of the machine screw on which a tapered plastic bushing is mounted for penetrating sheetrock.
- Manufactured from AISI 1008 Steel.
- Zinc plated to meet ASTM Specification B633, Class SC4, Type 1.
- Manufactured in the United States.

PART NUMBER	DESCRIPTION	SCREW SIZE	WALL THICKNESS	STD PKG
203	1/8" Short Drive Plastic Tip	#6-32 x 1 3/4"	1/8" to 5/8"	8
779	1/8" Short-Long Drive Plastic Tip	#6-32 x 2 1/4"	1/8" to 7/8"	8
746	1/8" Long Drive Plastic Tip	#6-32 x 2 5/16"	5/8" to 1 1/8"	8



## Pull Style Drywall Anchor

- Used to fasten lightweight attachments (under 50 lbs.) in hollow block and drywall.
- Consists of a breakaway plastic pull tab and a toggle shield.
- Does not require a screw to set anchor.
- Suitable for a large range of wall thickness: 3/8" - 2 1/2".
- Use 1/2" drill bit to form hole for #10-24 or 1/4"-20 Pull Style Drywall Anchors.
- Toggle shield is zinc plated to meet ASTM Specification B633 Class SC4, Type 1.
- Manufactured in the United States.

PART NUMBER	DESCRIPTION	STD PKG
7200	#10-24 Pull Style Drywall Anchor	100
7201	1/4"-20 Pull Style Drywall Anchor	100
7202	#10-24 Pull Style Drywall Anchor with 2 1/2" Round Slotted Machine Screws	100
7203	1/4"-20 Pull Style Drywall Anchor with 2 1/2" Round Slotted Machine Screws	100

## Toggle Bolt

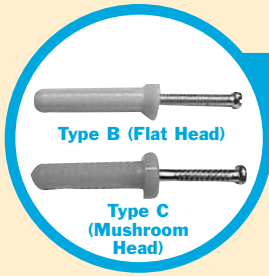
- Used for anchoring lightweight attachments to drywall (ceilings), hollow block, wallboard and plaster.
- Accommodates a wide range of wall thickness.
- The toggle wing is a permanently pre-assembled unit consisting of four parts: two stamped wings, a threaded trunnion nut, and a high tensile spring.
- Fully threaded machine screws with attached spring toggle wing.
- As the anchor is tightened, the wing configuration sits flat against the underside of the walls providing even distribution of loading to prevent pull-through.
- Manufactured from Grade 2 Steel.
- Zinc plated to meet ASTM Specification B633, Class SC4, Type 1.
- Manufactured in the United States.



PART NUMBER	DESCRIPTION	STD PKG
502	1/8" x 2" Mushroom Head	50
503	1/8" x 2" Round Head	50
434	1/8" x 2" Mushroom Head	5
505	1/8" x 3" Mushroom Head	50
504	1/8" x 3" Round Head	50
115	1/8" x 3" Mushroom Head	5
506	1/8" x 4" Mushroom Head	50
507	1/8" x 4" Round Head	50
116	1/8" x 4" Mushroom Head	5
512	3/16" x 2" Round Head	50
445	3/16" x 2" Mushroom Head	5
117	3/16" x 3" Mushroom Head	5
513	3/16" x 4" Round Head	50
118	3/16" x 4" Mushroom Head	5
107	3/16" x 4" Flat Head	50
124	3/16" x 4" Flat Head	5
446	3/16" x 5" Mushroom Head	5
393	3/16" x 6" Round Head	50
508	1/4" x 2" Round Head	50
119	1/4" x 3" Round Head	5
509	1/4" x 3" Round Head	50
857	1/4" x 3" Mushroom Head	50
510	1/4" x 4" Mushroom Head	50
120	1/4" x 4" Round Head	5
447	1/4" x 5" Round Head	50
858	1/4" x 5" Mushroom Head	50
511	1/4" x 6" Round Head	50
448	5/16" x 3" Round Head	25
514	5/16" x 4" Round Head	50
125	5/16" x 4" Round Head	5
121	5/16" x 5" Round Head	5
108	5/16" x 5" Flat Head	5
122	5/16" x 6" Round Head	5
109	5/16" x 6" Flat Head	5
752	3/8" x 3" Round Head	25
183	3/8" x 4" Round Head	25
751	3/8" x 5" Round Head	25
750	3/8" x 6" Round Head	25
453	1/2" x 4" Round Head	25
749	1/2" x 6" Round Head	25

TOGGLE BOLT DIAMETER	DRILL SIZE	WING CLEARANCE
1/8"	3/8"	1 1/16"
3/16"	1/2"	1 3/8"
1/4"	5/8"	1 1/2"
5/16"	7/8"	2 1/8"
3/8"	7/8"	2 1/8"
1/2"	1 1/4"	3"

# WALL ANCHORS



## B & C Plastic Anchor (Nylon-Nail In)

- Used for making medium weight (under 100 lbs.) attachments such as clamps to all types of masonry.
- Comprised of a nylon body and a steel nail with a slotted head.
- Nails have a threaded shank and slotted head to aid in removal.
- B Plastic Anchors have a flat head body. C Plastic Anchors have a mushroom head body.
- Two longitudinal slots are formed on the working end of anchor to allow each half of the body to expand.
- Nails are manufactured from AISI 1008 Steel.
- Nails are zinc-plated to meet ASTM Specification B633, Class SC4, Type 1.
- Not recommended in overhead applications.
- Manufactured in the United States.

PART NUMBER	DESCRIPTION	HOLE SIZE	BELL NUMBER	STD PKG
146	3/16" x 1" B	3/16"	400003232	15
147	1/4" x 1" B	1/4"	400003240	15
157	1/4" x 1 1/2" B	1/4"	400003257	15
148	1/4" x 2" B	1/4"	401902994	15
149	3/16" x 3/4" C	3/16"	400003265	15
150	3/16" x 1" C	3/16"	400003273	15
151	3/16" x 1 1/2" C	3/16"	400003281	15
152	1/4" x 1" C	1/4"	400003299	15
153	1/4" x 1 1/2" C	1/4"	400003007	15
154	1/4" x 2" C	1/4"	401903000	15
14600	3/16" x 1" B	3/16"		100
14700	1/4" x 1" B	1/4"		100
15700	1/4" x 1 1/2" B	1/4"		100
14800	1/4" x 2" B	1/4"		100
14900	3/16" x 3/4" C	3/16"		100
15000	3/16" x 1" C	3/16"		100
15100	3/16" x 1 1/2" C	3/16"		100
15200	1/4" x 1" C	1/4"		100
15300	1/4" x 1 1/2" C	1/4"		100
15400	1/4" x 2" C	1/4"		100

## B Masonry Fastener (Drive Pin)

- Used for mounting wire loops, cable clamps, ground blocks, terminals, ONI's, protectors, etc. to mortar joints and weaker concrete.
- Includes an attached  $\frac{3}{8}$ " round washer to retain the drive pin in the Hammer Drive Tool.
- Designed for use with Hammer Tools and should not be used in a powder actuated tool.
- Formed from AISI 1062 Hardened Steel.
- Not recommended for overhead applications.
- Mechanically galvanized to meet ASTM Specification B695, Class 50, Type 1.
- Manufactured in the United States.



Drive Pin



Wire Loop Pin

PART NUMBER	DESCRIPTION	SIZE (Diameter x Length)	BELL NUMBER	STD PKG
701	B2	.145 x 1/2"	400139895	12
327	B3	.145 x 3/4"	400139903	12
328	B4	.145 x 1"	400139911	12
329	B5	.145 x 1 1/4"	400139929	12
330	B6	.145 x 1 1/2"	400139937	12
331	B8	.145 x 2"	400139945	12
292	B10	.145 x 2 1/2"	400139952	12
332	B12	.145 x 3"	400139960	12
70100	B2	.145 x 1/2"		100
32700	B3	.145 x 3/4"		100
32800	B4	.145 x 1"		100
32900	B5	.145 x 1 1/4"		100
33000	B6	.145 x 1 1/2"		100
4043	Wire Loop Pin	.145 x 1 3/4"		100
33100	B8	.145 x 2"		100
29200	B10	.145 x 2 1/2"		100
33200	B12	.145 x 3"		100

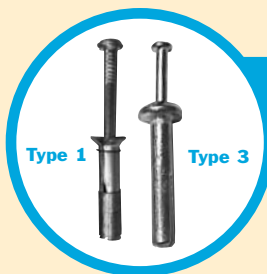
Hammer Tool is on page T38

## C Masonry Fastener (Threaded Drive Pin)

- Used for temporary installations of cable clamps, terminals, and protectors in mortar joints and weaker concrete.
- Each pin includes an attached round washer and hex nut.
- Formed from AISI 1062 Hardened Steel.
- All components are mechanically galvanized to meet ASTM Specification B695, Class 50, Type 1.
- Manufactured in the United States.



PART NUMBER	DESCRIPTION	SIZE (Threaded Lgth. x Total Lgth.)	BELL NUMBER	STD PKG
391	C31	1/4" x 1"	400139978	12
333	C32	1/2" x 1 1/4"	400139986	12
334	C35	1 1/4" x 2"	400139994	12
291	C41	1/4" x 1 1/4"	400140000	12
335	C42	1/2" x 1 1/2"	400140018	12
290	C45	1 1/4" x 2 1/4"	400140026	12
289	C51	1/4" x 1 1/2"	400140034	12
336	C52	1/2" x 1 3/4"	400140042	12
337	C55	1 1/4" x 2 1/2"	400140059	12



## B Drive Anchor

- Used for attaching cable straps, cable clamps, ground blocks, etc. to concrete, block, brick, and stone.
- Comprised of a Zamac shell (Type 3) or a stamped steel shell (Type 1) and a flat head nail.
- Manufactured from AISI 1008 Steel.
- Zinc plated to meet ASTM Specification B633, Class SC4, Type 1.
- Type 3 B Drive Anchors (Hammer Drive Anchors) are offered in  $\frac{3}{16}$ " and  $\frac{1}{4}$ " diameters only.
- Type 1 B Drive Anchors are offered in  $\frac{5}{16}$ ",  $\frac{3}{8}$ ", and  $\frac{1}{2}$ ".
- Not recommended for overhead applications.
- Manufactured in the United States.

PART NUMBER	SIZE	HOLE SIZE	BELL NUMBER	STD PKG
316	$\frac{3}{16}$ " x $\frac{7}{8}$ "	$\frac{3}{16}$ "	400002796	8
92	$\frac{3}{16}$ " x $\frac{7}{8}$ "	$\frac{3}{16}$ "		100
655	$\frac{3}{16}$ " x $1\frac{1}{4}$ "	$\frac{3}{16}$ "	400002804	8
317	$\frac{1}{4}$ " x 1"	$\frac{1}{4}$ "	400002812	8
93	$\frac{1}{4}$ " x 1"	$\frac{1}{4}$ "		100
318	$\frac{1}{4}$ " x $1\frac{1}{4}$ "	$\frac{1}{4}$ "	400002820	8
94	$\frac{1}{4}$ " x $1\frac{1}{4}$ "	$\frac{1}{4}$ "		100
380	$\frac{1}{4}$ " x $1\frac{1}{2}$ "	$\frac{1}{4}$ "	400002853	8
412	$\frac{1}{4}$ " x 2"	$\frac{1}{4}$ "		8
319	$\frac{5}{16}$ " x $1\frac{1}{4}$ "	$\frac{5}{16}$ "	400002846	8
320	$\frac{5}{16}$ " x $1\frac{3}{4}$ "	$\frac{5}{16}$ "	400002853	8
321	$\frac{5}{16}$ " x $2\frac{1}{4}$ "	$\frac{5}{16}$ "	400002861	8
322	$\frac{5}{16}$ " x $2\frac{3}{4}$ "	$\frac{5}{16}$ "	400002879	4
323	$\frac{3}{8}$ " x 2"	$\frac{3}{8}$ "	400002895	8
324	$\frac{3}{8}$ " x $3\frac{1}{4}$ "	$\frac{3}{8}$ "	400002903	4
325	$\frac{1}{2}$ " x $2\frac{1}{4}$ "	$\frac{1}{2}$ "	400002911	4
326	$\frac{1}{2}$ " x $3\frac{1}{2}$ "	$\frac{1}{2}$ "	400002937	4

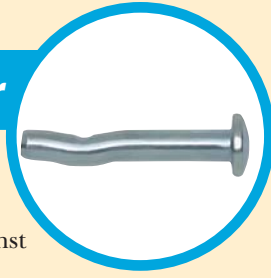


## C Drive Anchor

- Used to make temporary attachments in concrete and brick.
- Comprised of a shield and a double headed steel nail.
- Used in place of B Drive Anchors when temporary installations are required.
- Manufactured from AISI 1008 Steel.
- Zinc-plated to meet ASTM Specification B633, Class SC4, Type 1.
- Manufactured in the United States.

PART NUMBER	SIZE	HOLE SIZE	BELL NUMBER	STD PKG
306	$\frac{3}{16}$ " x $\frac{7}{8}$ "	$\frac{3}{16}$ "	400002945	8
307	$\frac{1}{4}$ " x 1"	$\frac{1}{4}$ "	401711585	8
308	$\frac{1}{4}$ " x $1\frac{1}{4}$ "	$\frac{1}{4}$ "	400002978	8
309	$\frac{1}{4}$ " x $1\frac{1}{2}$ "	$\frac{1}{4}$ "	400002986	8
310	$\frac{5}{16}$ " x $1\frac{1}{4}$ "	$\frac{5}{16}$ "	400002994	8
311	$\frac{5}{16}$ " x $1\frac{3}{4}$ "	$\frac{5}{16}$ "	400003000	8
312	$\frac{5}{16}$ " x $2\frac{1}{4}$ "	$\frac{5}{16}$ "	400003018	4
313	$\frac{5}{16}$ " x $2\frac{3}{4}$ "	$\frac{5}{16}$ "	400003026	4
314	$\frac{3}{8}$ " x 2"	$\frac{3}{8}$ "	400003042	4
315	$\frac{1}{2}$ " x $2\frac{1}{4}$ "	$\frac{1}{2}$ "	400003067	4

## 316 Stainless Mushroom Head Spike Anchor

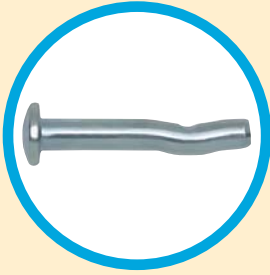


- A one-piece, tamperproof and vibration resistant anchor for making attachments of medium weight (up to 400 lbs.) in concrete, block, brick, or stone.
- The Spike Anchor is formed with an "S" shaped configuration at the working end of the anchor to create an expansion mechanism.
- The pre-expanded mechanism is activated as the anchor is driven into the drilled hole and creates a spring type compression force against the walls of the hole.
- Manufactured from extra-strong and weather resistant 316 Stainless Steel.
- Manufactured in the United States.

PART NUMBER	SIZE	DRILL DIAMETER	HEAD SIZE (OD)	MINIMUM EMBEDMENT	STD PKG
7030	3/16" x 1"	3/16"	7/16"	7/8"	100
7031	3/16" x 1 1/4"	3/16"	7/16"	7/8"	100
7032	3/16" x 1 1/2"	3/16"	7/16"	1 1/4"	100
7033	3/16" x 2"	3/16"	7/16"	1 1/4"	100
7034	3/16" x 2 1/2"	3/16"	7/16"	1 1/4"	100
7035	1/4" x 1"	1/4"	1/2"	7/8"	100
7036	1/4" x 1 1/4"	1/4"	1/2"	1"	100
7037	1/4" x 1 1/2"	1/4"	1/2"	1 1/4"	100
7038	1/4" x 2"	1/4"	1/2"	1 1/4"	100
7039	1/4" x 2 1/2"	1/4"	1/2"	1 1/4"	100
7040	1/4" x 3"	1/4"	1/2"	1 1/4"	100
7041	1/4" x 3 1/2"	1/4"	1/2"	1 1/4"	100
7042	1/4" x 4"	1/4"	1/2"	1 1/4"	100
7043	3/8" x 2"	3/8"	3/4"	1 3/4"	25
7044	3/8" x 2 1/2"	3/8"	3/4"	1 3/4"	25
7045	3/8" x 3"	3/8"	3/4"	1 3/4"	25
7046	3/8" x 3 1/2"	3/8"	3/4"	1 3/4"	25
7047	1/2" x 3 1/2"	1/2"	1"	2 1/2"	25
7048	1/2" x 4"	1/2"	1"	2 1/2"	25
7049	1/2" x 6 1/2"	1/2"	1"	2 1/2"	25

# WALL ANCHORS

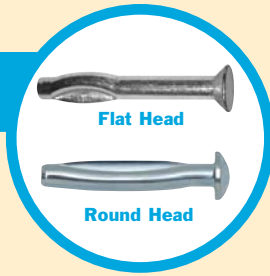
## Grade 8.2 Carbon Steel Mushroom Head Spike Anchor



- A one-piece, tamperproof and vibration resistant anchor for making attachments of medium weight (200-400 lbs.) in concrete, block, brick, or stone.
- The Spike Anchor is formed with an "S" shaped configuration at the working end of the anchor to create an expansion mechanism.
- The pre-expanded mechanism is activated as the anchor is driven into the drilled hole and creates a spring type compression force against the walls of the hole.
- Manufactured from Grade 8.2 Steel.
- Zinc plated to meet ASTM Specification B633 Class SC1, Type III.
- Manufactured in the United States.

PART NUMBER	SIZE	DRILL DIAMETER	HEAD SIZE (OD)	MINIMUM EMBEDMENT	STD PKG
7050	3/16" x 1"	3/16"	7/16"	7/8"	100
7051	3/16" x 1 1/4"	3/16"	7/16"	7/8"	100
7052	3/16" x 1 1/2"	3/16"	7/16"	1 1/4"	100
7053	3/16" x 2"	3/16"	7/16"	1 1/4"	100
7054	3/16" x 2 1/2"	3/16"	7/16"	1 1/4"	100
7055	3/16" x 3"	3/16"	7/16"	1 1/4"	100
7056	3/16" x 3 1/2"	3/16"	7/16"	1 1/4"	100
7057	3/16" x 4"	3/16"	7/16"	1 1/4"	100
7058	1/4" x 1"	1/4"	1/2"	7/8"	100
7059	1/4" x 1 1/4"	1/4"	1/2"	1"	100
7060	1/4" x 1 1/2"	1/4"	1/2"	1 1/4"	100
7061	1/4" x 2"	1/4"	1/2"	1 1/4"	100
7062	1/4" x 2 1/2"	1/4"	1/2"	1 1/4"	100
7063	1/4" x 3"	1/4"	1/2"	1 1/4"	100
7064	1/4" x 3 1/2"	1/4"	1/2"	1 1/4"	100
7065	1/4" x 4"	1/4"	1/2"	1 1/4"	100
7066	3/8" x 2"	3/8"	3/4"	1 3/4"	25
7067	3/8" x 2 1/2"	3/8"	3/4"	1 3/4"	25
7068	3/8" x 3"	3/8"	3/4"	1 3/4"	25
7069	3/8" x 3 1/2"	3/8"	3/4"	1 3/4"	25
7070	3/8" x 4"	3/8"	3/4"	1 3/4"	25
7071	3/8" x 5"	3/8"	3/4"	1 3/4"	25
7072	3/8" x 6"	3/8"	3/4"	1 3/4"	25
7073	1/2" x 3 1/2"	1/2"	1"	2 1/2"	25
7074	1/2" x 4"	1/2"	1"	2 1/2"	25
7075	1/2" x 5"	1/2"	1"	2 1/2"	25
7076	1/2" x 6"	1/2"	1"	2 1/2"	25

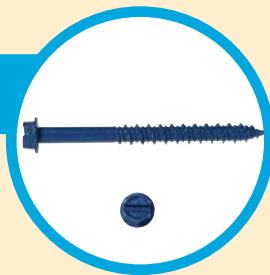
## Split Drive Type Anchor



- A one-piece, tamperproof, and pre-expanded anchor for use in concrete and stone.
- Used for making medium weight attachments (under 400 lbs.).
- As the anchor is driven into the base material, the two sheared halves are compressed to match the diameter of the drilled hole. Once seated at the required embedment, the sheared halves exert continuous compression force against the wall of the hole for superior load capacities.
- Available in flat head and round head styles.
- Manufactured from AISI 1038 heat treated steel.
- Zinc plated to meet ASTM Specification B633 Class SC1, Type III.
- Manufactured in the United States.

PART NUMBER	SIZE	HEAD STYLE	DRILL DIAMETER	HEAD SIZE (OD)	MINIMUM EMBEDMENT	STD PKG
7301	3/16" x 1"	Round Head	3/16"	3/8"	7/8"	100
7302	3/16" x 1 1/2"	Round Head	3/16"	3/8"	7/8"	100
7303	1/4" x 1 1/4"	Round Head	1/4"	1/2"	1 1/8"	100
7304	1/4" x 1 1/2"	Round Head	1/4"	1/2"	1 1/8"	100
7305	1/4" x 2"	Round Head	1/4"	1/2"	1 1/8"	100
7306	1/4" x 2 1/2"	Round Head	1/4"	1/2"	1 1/8"	100
7307	3/8" x 2"	Round Head	3/8"	3/4"	1 7/8"	100
7308	3/8" x 2 1/2"	Round Head	3/8"	3/4"	1 7/8"	100
7309	3/8" x 3 1/2"	Round Head	3/8"	3/4"	1 7/8"	100
7310	1/2" x 3"	Round Head	1/2"	1"	2 5/8"	100
7311	3/16" x 1 1/2"	Flat Head	3/16"	3/8"	7/8"	100
7312	3/16" x 2"	Flat Head	3/16"	3/8"	7/8"	100
7313	3/16" x 2 1/2"	Flat Head	3/16"	3/8"	7/8"	100
7314	3/16" x 3"	Flat Head	3/16"	3/8"	7/8"	100
7315	1/4" x 1 1/2"	Flat Head	1/4"	1/2"	1"	100
7316	1/4" x 2"	Flat Head	1/4"	1/2"	1"	100
7317	1/4" x 2 1/2"	Flat Head	1/4"	1/2"	1"	100
7318	1/2" x 3"	Flat Head	1/2"	1"	1"	100
7319	1/2" x 3 1/2"	Flat Head	1/2"	1"	1"	100
7320	1/2" x 4"	Flat Head	1/2"	1"	1"	100

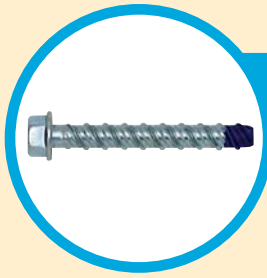
## B Steel Anchor (Concrete Screw)



- Used for making medium weight (under 250 lbs.) attachments such as cable clamps, ground blocks, terminals, ONI's, protectors, etc. to concrete, hollow block, solid block, and brick.
- B Steel Anchors cut mounting threads in masonry.
- Can be removed for adjustment, then re-driven into the same hole.
- Nail point to help guide anchor.
- Standard head style is with a slotted hex washer.
- Manufactured from AISI 1022 Hardened Steel.
- Epoxy resin coating meets ASTM B117.
- Each box contains one drill bit.
- Manufactured in the United States.

PART NUMBER	SIZE	BELL NUMBER	DRILL BIT	STD PKG
343	3/16" x 1 1/4"	402377824	5/32" x 3 1/2"	100
344	3/16" x 1 3/4"	402377832	5/32" x 3 1/2"	100
298	3/16" x 2 1/4"	402377840	5/32" x 4 1/2"	100
293	3/16" x 2 3/4"	402377857	5/32" x 4 1/2"	100
345	1/4" x 1 1/4"	402377865	3/16" x 3 1/2"	100
346	1/4" x 1 3/4"	402377873	3/16" x 3 1/2"	100
299	1/4" x 2 1/4"	402377881	3/16" x 4 1/2"	100
347	1/4" x 2 3/4"	402377899	3/16" x 4 1/2"	100
294	1/4" x 3 1/4"		3/16" x 5 1/2"	100

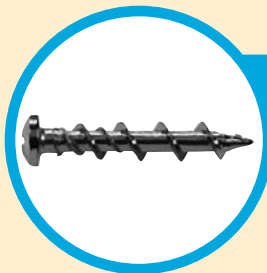
Installation Kit is on page T38. Add "PH" to Part Number for Phillip Flat Head.



## Concrete Bolt

- Used for attaching heavy loads to concrete, brick, and hollow block.
- Can be removed for adjustment, then re-driven into same hole.
- The Concrete Bolt is designed to match standard fixture clearance holes that are  $\frac{1}{16}$ " over anchor diameter to provide a secure fit.
- Can be installed at shallower embedment depths than wedge or sleeve anchors reducing the chance of striking reinforcing bars or embedded cables.
- Utilizes a specially designed relief thread formed in the body of the anchor which allows easy tightening at a reduced torque level and provides dust relief to prevent anchor from jamming.
- A chamfered end easily centers anchor, and a  $30^\circ$  helix angle allows anchor to be tightened quickly. The controlled "screw-in" method is safer than using a hammer.
- Diameter and length appear on the head of each anchor.
- Zinc plated to meet ASTM Specification B633, Class SC1, Type III.
- Manufactured from AISI 1038 heat-treated steel.
- Manufactured in the United States.

PART NUMBER	SIZE	DRILL BIT SIZE	HEX SIZE	WASHER DIAMETER	THREAD LENGTH	MINIMUM EMBEDMENT	STD PKG
7326	$\frac{1}{4}$ " x $1\frac{1}{4}$ "	$\frac{1}{4}$ "	$\frac{7}{16}$ "	$\frac{9}{16}$ "	$1\frac{1}{8}$ "	1"	100
7327	$\frac{1}{4}$ " x $1\frac{3}{4}$ "	$\frac{1}{4}$ "	$\frac{7}{16}$ "	$\frac{9}{16}$ "	$1\frac{5}{8}$ "	1"	100
7328	$\frac{1}{4}$ " x $2\frac{1}{4}$ "	$\frac{1}{4}$ "	$\frac{7}{16}$ "	$\frac{9}{16}$ "	2"	1"	100
7329	$\frac{1}{4}$ " x 3"	$\frac{1}{4}$ "	$\frac{7}{16}$ "	$\frac{9}{16}$ "	$2\frac{3}{4}$ "	1"	100
7340	$\frac{3}{8}$ " x $1\frac{3}{4}$ "	$\frac{3}{8}$ "	$\frac{9}{16}$ "	$\frac{47}{64}$ "	$1\frac{1}{2}$ "	$1\frac{1}{2}$ "	50
7341	$\frac{3}{8}$ " x $2\frac{1}{2}$ "	$\frac{3}{8}$ "	$\frac{9}{16}$ "	$\frac{47}{64}$ "	$2\frac{1}{4}$ "	$1\frac{1}{2}$ "	50
7342	$\frac{3}{8}$ " x 3"	$\frac{3}{8}$ "	$\frac{9}{16}$ "	$\frac{47}{64}$ "	$2\frac{3}{4}$ "	$1\frac{1}{2}$ "	50
7343	$\frac{3}{8}$ " x 4"	$\frac{3}{8}$ "	$\frac{9}{16}$ "	$\frac{47}{64}$ "	$3\frac{3}{4}$ "	$1\frac{1}{2}$ "	50
7344	$\frac{1}{2}$ " x 2"	$\frac{1}{2}$ "	$\frac{3}{4}$ "	1"	$1\frac{3}{4}$ "	$1\frac{3}{4}$ "	50
7345	$\frac{1}{2}$ " x $2\frac{1}{2}$ "	$\frac{1}{2}$ "	$\frac{3}{4}$ "	1"	$2\frac{1}{4}$ "	$1\frac{3}{4}$ "	50
7346	$\frac{1}{2}$ " x 3"	$\frac{1}{2}$ "	$\frac{3}{4}$ "	1"	$2\text{-}3\frac{3}{4}$ "	$1\frac{3}{4}$ "	50
7347	$\frac{1}{2}$ " x 4"	$\frac{1}{2}$ "	$\frac{3}{4}$ "	1"	$3\frac{3}{4}$ "	$1\frac{3}{4}$ "	50
7348	$\frac{5}{8}$ " x 3"	$\frac{5}{8}$ "	$1\frac{5}{16}$ "	$1\frac{3}{16}$ "	$2\frac{3}{4}$ "	$2\frac{1}{2}$ "	25
7349	$\frac{5}{8}$ " x 4"	$\frac{5}{8}$ "	$1\frac{5}{16}$ "	$1\frac{3}{16}$ "	$3\frac{3}{4}$ "	$2\frac{1}{2}$ "	25
7350	$\frac{5}{8}$ " x 5"	$\frac{5}{8}$ "	$1\frac{5}{16}$ "	$1\frac{3}{16}$ "	$3\frac{3}{4}$ "	$2\frac{1}{2}$ "	25
7351	$\frac{3}{4}$ " x 3"	$\frac{3}{4}$ "	$1\frac{1}{8}$ "	$1\frac{13}{32}$ "	$2\frac{3}{4}$ "	$3\frac{3}{4}$ "	25
7352	$\frac{3}{4}$ " x 4"	$\frac{3}{4}$ "	$1\frac{1}{8}$ "	$1\frac{13}{32}$ "	$3\frac{3}{4}$ "	$3\frac{3}{4}$ "	25
7353	$\frac{3}{4}$ " x 5"	$\frac{3}{4}$ "	$1\frac{1}{8}$ "	$1\frac{13}{32}$ "	$3\frac{3}{4}$ "	$3\frac{3}{4}$ "	25
7354	$\frac{3}{4}$ " x 6"	$\frac{3}{4}$ "	$1\frac{1}{8}$ "	$1\frac{13}{32}$ "	$3\frac{3}{4}$ "	$3\frac{3}{4}$ "	25
7355	$\frac{3}{4}$ " x 8"	$\frac{3}{4}$ "	$1\frac{1}{8}$ "	$1\frac{13}{32}$ "	$3\frac{3}{4}$ "	$3\frac{3}{4}$ "	25



## Wall Dog Masonry/Wood Anchor

- Used for making lightweight attachments to plywood, concrete, hollow block, brick, and plaster.
- Features high-profile threads for easy fastening into wallboard and other masonry materials.
- Utilizes a smaller hole than other anchoring systems.
- For fastening in wallboard, no pre-drilling is necessary.
- Painted white head for aesthetics. Body of anchor is chrome plated for maximum corrosion resistance and lubricity.
- Manufactured from hardened AISI 1045 Steel.
- Manufactured in the United States.

PART NUMBER	SIZE	STD PKG
7380	$\frac{3}{16}$ " x $1\frac{1}{4}$ " Phillip Oval (countersunk head)	100
7381	$\frac{3}{16}$ " x $1\frac{1}{4}$ " Phillip Pan	100

## Lead Wood Screw Anchor



- Used with wood screws or tapping screws for anchoring lightweight attachments (under 100 lbs.) to concrete, block or brick.
- Withstands extreme changes in temperature.
- Not effected by chemicals or moisture.
- Ideal for shallow hole anchoring.
- Will conform to any irregularities in hole.
- Manufactured in the United States.

PART NUMBER	SIZE	HOLE DIAMETER	SSI NUMBER	STD PKG
176	#6-8 x 3/4"	1/4"	401130638	100
184	#6-8 x 1"	1/4"		100
177	#6-8 x 1 1/2"	1/4"	400473542	100
178	#10-14 x 1"	5/16"	997905567	100
179	#10-14 x 1 1/2"	5/16"	401130646	100
192	#16-18 x 1"	3/8"		50
191	#16-18 x 1 1/2"	3/8"	400473559	50
745	#20-24 x 1 3/4"	3/8"	400504791	125

## Lag Shield



- Used in conjunction with lag screws for attaching cable clamps, terminals, lock boxes, etc. to concrete, hollow block, and brick.
- Consists of two Zamac alloy sleeves which are held together by interlocking tabs.
- Tapered rings provide additional holding power in softer base materials.
- Internal threads to mate with lag screw threads.
- Manufactured from rustproof zinc alloy.
- Short style is used for hard masonry. The long style is used for soft masonry.
- Manufactured in the United States.

PART NUMBER	SIZE	HOLE SIZE	MINIMUM EMBEDMENT	STD PKG
1410*	1/4" Short	1/2"	1"	100
6003	5/16" Short	1/2"	1 1/4"	50
1412	3/8" Short	5/8"	1 3/4"	50
1413	1/2" Short	3/4"	2"	25
708*	1/4" Long	1/2"	1 1/2"	100
1415	5/16" Long	1/2"	1 3/4"	50
1416	3/8" Long	5/8"	2 1/2"	50
1417	1/2" Long	3/4"	3 1/2"	25

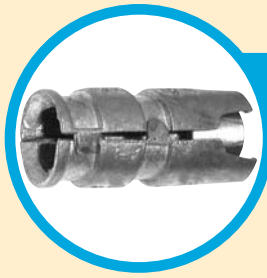
\* Ideal for installing P House Hooks into masonry.

## Machine Screw Anchor



- Used to fasten cable clamps in concrete, block, brick, and stone.
- Comprised of a lead sleeve and a threaded metal cone.
- Lead sleeve conforms to irregularities of hole.
- Toll required for installation.
- Manufactured in the United States.

PART NUMBER	SIZE	DRILL SIZE	ANCHOR LENGTH	BELL NUMBER	STD PKG
1400	#6-32	5/16"	1 7/32"		100
1401	#8-32	5/16"	1 7/32"		100
1402	#10-24	3/8"	1 1/16"		100
234	1/4"-20	1/2"	7/8"	401125638	100
355	1/4"-20 with 1 1/2" Bolt	1/2"	7/8"	700220692	25
1403	5/16"-18 with 2" Bolt	5/8"	1 1/16"		25
1404	3/8"-16 with 2" Bolt	3/4"	1 5/16"		25
356	1/2"-13 with 2 1/2" Bolt	7/8"	1 9/16"	400487625	25
356A	1/2"-13 with 1 3/4" Bolt	7/8"	1 9/16"		25



## Single Expansion Shield

- Used with bolts for making medium weight attachments (under 300 lbs.) such as wall straps, clamps, and brackets to concrete, block, brick, and stone.
- Made of rustproof Zamac alloy.
- Single Expansion Shield consists of a preassembled set of expansion shields and an expander cone. Shields held together by interlocking tabs.
- Anchor remains securely installed even when bolt is removed.
- Manufactured in the United States.

PART NUMBER	SIZE	DRILL SIZE	BELL NUMBER	STD PKG
239	1/4"	1/2"		50
376	1/4" with 1 1/4"	1/2"	700221139	50
	Hex Bolt		900261637	
194	5/16"	5/8"	401125653	50
14040	3/8"	3/4"		100
195	3/8" with 2"	3/4"	401320767	50
	Hex Bolt		401581095	
185	1/2"	7/8"		50
188	5/8"	1"		100



## Double Expansion Shield

- Used for making medium weight attachments (under 250 lbs.) such as wall straps and other heavy load brackets to concrete, hollow block, and brick.
- Double Expansion Shields consists of twin tubular sleeves bound together with a high tension spring steel band, which contain two protruding wedge shaped hollow cones.
- As the anchor is tightened, the opposing wedges at either end are drawn in tightly providing full length, 360° expansion over a large bearing area.
- Threaded cone side should be inserted in hole first.
- Ideal for high shear loads, or in situations where bolt is subject to side pressure or vibration.
- Particularly suitable if base material is of questionable strength.
- Will not fracture under heavy use.
- Permits fastening at any depth.
- Manufactured in the United States.

PART NUMBER	SIZE	DRILL SIZE	SHIELD LENGTH	SHEAR STRENGTH	STD PKG
540	1/4"	1/2"	1 3/8"	2780 lbs.	50
533	5/16"	5/8"	1 5/8"	3600 lbs.	50
541	3/8"	3/4"	2"	4485 lbs.	50
98	3/8" with 2 1/2" Hex Bolt	5/8"	1 5/8"	3600 lbs.	50
110	1/2"	7/8"	2 1/2"	4600 lbs.	50
1115	1/2" with 2 1/2" Hex Bolt	7/8"	2 1/2"	4600 lbs.	50

# Para Sleeve Anchor™

- Used for making heavy-duty attachments in solid concrete, hollow block, and brick.
- Sleeve Anchors consist of a threaded plow bolt which has a cone shaped end. Tubular expansion sleeves are assembled over plow bolt and butted against cone.
- Installation does not require an exact hole depth.
- Can easily be removed or reinstalled.
- Torque controlled expansion for quick setting.
- Anti-rotation ribs and sleeve slots provide spin free installation.
- Steel sleeve anchors are stamped for AISI 1008 Steel and are zinc plated per ASTM Specification B633 Class SC4, Type 1.
- Manufactured in the United States.

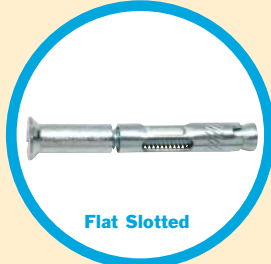
PART NUMBER	SIZE	STYLE	MINIMUM EMBEDMENT	DRILL SIZE	STD PKG
1520	1/4" x 5/8"	Acorn	5/8"	1/4"	100
1521	1/4" 13/8"	Acorn	13/8"	1/4"	100
1522	1/4" x 2 1/4"	Acorn	13/8"	1/4"	100
1470	5/16" x 1 1/2"	Hex Nut	1 1/2"	5/16"	100
1471	5/16" x 2 1/2"	Hex Nut	1 1/2"	5/16"	100
1472	3/8" x 1 7/8"	Hex Nut	1 7/8"	3/8"	50
1473	3/8" x 3"	Hex Nut	1 7/8"	3/8"	50
1474	3/8" x 4"	Hex Nut	1 7/8"	3/8"	50
1475	1/2" x 2 1/4"	Hex Nut	1 7/8"	1/2"	25
1476	1/2" x 3"	Hex Nut	2 1/4"	1/2"	25
1477	1/2" x 4"	Hex Nut	2 1/4"	1/2"	25
1478	1/2" x 6"	Hex Nut	2 1/4"	1/2"	25
1479	5/8" x 2 1/4"	Hex Nut	2 1/4"	5/8"	25
1480	5/8" x 3"	Hex Nut	2 1/4"	5/8"	25
1481	5/8" x 4 1/4"	Hex Nut	2 1/4"	5/8"	10
1482	5/8" x 6"	Hex Nut	2 1/4"	5/8"	10
1483	3/4" x 2-1/2"	Hex Nut	3 3/8"	3/4"	10
1484	3/4" x 4 1/4"	Hex Nut	3 3/8"	3/4"	5
1485	3/4" x 6 1/4"	Hex Nut	3 3/8"	3/4"	5
1525	1/4" x 1 1/2"	Flat Slotted	1 3/8"	1/4"	100
1526	1/4" x 2 1/4"	Flat Slotted	1 3/8"	1/4"	100
1527	1/4" x 3-1/8"	Flat Slotted	1 3/8"	1/4"	100
1528	1/4" x 4"	Flat Slotted	1 3/8"	1/4"	100
1529	5/16" x 2 1/2"	Flat Slotted	1 1/2"	5/16"	100
1530	5/16" x 3 1/2"	Flat Slotted	1 1/2"	5/16"	100
1531	3/8" x 2 3/4"	Flat Slotted	1 7/8"	3/8"	50
1532	3/8" x 4"	Flat Slotted	1 7/8"	3/8"	50
1533	3/8" x 5"	Flat Slotted	1 7/8"	3/8"	25
1534	3/8" x 6"	Flat Slotted	1 7/8"	3/8"	25
1535	1/4" x 1 1/4"	Round Slotted	5/8"	1/4"	100
1536	1/4" x 2"	Round Slotted	1 3/8"	1/4"	100
1537	1/4" x 2 3/4"	Round Slotted	1 3/8"	1/4"	100
1538	3/8" x 2 1/2"	Round Slotted	1 7/8"	3/8"	50
1539	3/8" x 3 3/4"	Round Slotted	1 7/8"	3/8"	50
1540	3/8" x 4 3/4"	Round Slotted	1 7/8"	3/8"	25
1541	5/16" x 1 3/4"	Wire Hanger	N/A	5/16"	100
1542	3/8" x 1 7/8"	Coupling Nut	1 7/8"	3/8"	50
1543	1/2" x 2 1/4"	Coupling Nut	2 1/4"	1/2"	25
1544	5/8" x 2 1/4"	Coupling Nut	2 1/4"	5/8"	25
1545	1/4" 13/8"	Stainless Hex Nut	1 3/8"	1/4"	100
1546	1/4" x 2 1/4"	Stainless Hex Nut	1 3/8"	1/4"	100
1547	5/16" x 1 1/2"	Stainless Hex Nut	1 1/2"	5/16"	100
1548	5/16" x 2 1/2"	Stainless Hex Nut	1 1/2"	5/16"	100
1549	3/8" x 1 7/8"	Stainless Hex Nut	1 7/8"	3/8"	50
1665	3/8" x 3"	Stainless Hex Nut	1 7/8"	3/8"	50
1666	1/2" x 2 1/4"	Stainless Hex Nut	2 1/4"	1/2"	25
1667	1/2" x 3"	Stainless Hex Nut	2 1/4"	1/2"	25



Acorn



Hex Nut



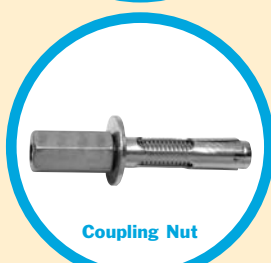
Flat Slotted



Round Slotted



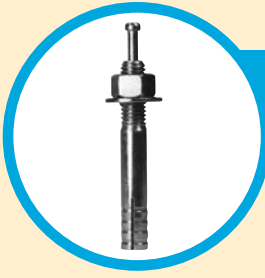
Wire Hanger



Coupling Nut



Stainless Hex Nut



## Pin Drive Expansion Anchor

- Used to make medium weight (under 250 lbs.) attachments in concrete and masonry.
- Pin manufactured from AISI 1018 Hardened Steel.
- Anchor formed from AISI 1010 Steel.
- All components are Zinc Plated to meet ASTM Specification B633, Class SC4, Type 2.

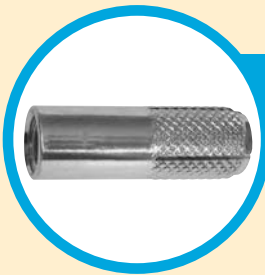
PART NUMBER	SIZE	STD PKG
807	1/4" x 1 3/4"	100
808	1/4" x 2 3/8"	100
810	5/16" x 2"	100
811	5/16" x 2 3/4"	100
812	3/8" x 2 3/8"	100
813	3/8" x 3 1/2"	100
814	3/8" x 4 3/4"	100
815	1/2" x 2 3/4"	50
816	1/2" x 3 1/2"	50
817	1/2" x 4 3/4"	50



## Super Sleeve Anchor™

- Used for making heavy-duty attachments in solid concrete, hollow block, and brick.
- Patented design allows only the bolt head to protrude from the base material (instead of the threaded stud with other Sleeve Anchor designs).
- Grade 5 steel bolts used to increase shear strength.
- Can easily be removed or reinstalled.
- Torque controlled expansion for quick setting.
- Manufactured in the United States.

PART NUMBER	SIZE	DRILL SIZE	STD PKG
1670	3/8" x 2"	3/8"	50
1671	3/8" x 3"	3/8"	50
1672	3/8" x 4"	3/8"	25
1673	1/2" x 2 3/4"	1/2"	25
1674	1/2" x 3 3/4"	1/2"	25

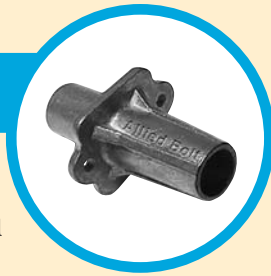


## Drop In Anchor

- Used with bolts for structural fastening of heavy duty attachments in concrete, hard stone, and solid block.
- Accommodates shallow embedment and still maintains high performance.
- Manufactured from AISI 1018 Steel.
- Zinc plated to meet ASTM Specification B633, Class SC4, Type 1.
- Tool required for installation.
- Manufactured in the United States.

PART NUMBER	SIZE	HOLE SIZE	EMBEDMENT	TENSION (LB.)	STD PKG
1500	1/4"	3/8"	1 1/8"	2230	100
1501	3/8"	1/2"	1 3/4"	4825	100
1502	1/2"	5/8"	2"	7598	100
1503	5/8"	7/8"	2 1/2"	9275	100
1504	3/4"	1"	3 3/8"	10139	100

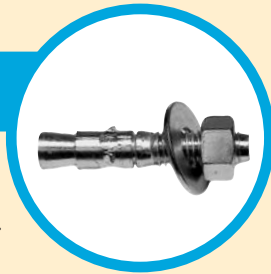
## Concrete Insert



- Provides a threaded hole for permanent attachments into newly poured concrete.
- A square flange with two nail holes provides additional support for a wood form.
- Eliminates the need for concrete drilling and masonry installation.
- Concrete Inserts are manufactured from a rustproof zinc alloy.
- Manufactured in the United States.

PART NUMBER	SIZE	LENGTH OF INSERT	BELL NUMBER	STD PKG
114	1/2-13 Insert	2 <sup>3</sup> / <sub>8</sub> "	400472478	25
357	1/2-13 Insert with 2 1/2" Hex Bolt	2 <sup>3</sup> / <sub>8</sub> "	401411194	25

## Hex Wedge Anchor



- Used for making heavy-duty attachments in concrete and solid block.
- Collar projections offer optimum contact with the concrete.
- Does not require exact hole depth to set anchor.
- Anchor diameter should match hole diameter.
- Chamfered on the threaded end to prevent damage to the anchor.
- Manufactured in the United States.

Gr. 2 Steel Zinc Plated	PART NUMBER		SIZE	STD PKG
	302 Stainless Steel	Grade 2 Steel Galvanized		
1430	5510	6610	1/4" x 1 <sup>3</sup> / <sub>4</sub> "	100
773	5511	6611	1/4" x 2 <sup>1</sup> / <sub>4</sub> "	100
1432	5512	6612	1/4" x 3 <sup>1</sup> / <sub>4</sub> "	100
1433	5513	6613	3/8" x 2 <sup>1</sup> / <sub>4</sub> "	100
1444	5514	6614	3/8" x 2 <sup>3</sup> / <sub>4</sub> "	100
1445	5515	6615	3/8" x 3"	100
1446	5516	6616	3/8" x 3 <sup>3</sup> / <sub>4</sub> "	100
1447	5517	6617	3/8" x 5"	50
772	5518	6618	1/2" x 2 <sup>3</sup> / <sub>4</sub> "	25
1449	5519	6619	1/2" x 3 <sup>3</sup> / <sub>4</sub> "	25
247	5520	6620	1/2" x 4 <sup>1</sup> / <sub>4</sub> "	25
1451	5521	6621	1/2" x 5 <sup>1</sup> / <sub>2</sub> "	25
1452	5522	6622	1/2" x 7"	25
1453	5523	6623	5/8" x 3 <sup>1</sup> / <sub>2</sub> "	25
1454	5524	6624	5/8" x 4 <sup>1</sup> / <sub>2</sub> "	25
1455	5525	6625	5/8" x 5"	25
1456	5526	6626	5/8" x 6"	25
1457	5527	6627	5/8" x 7"	25
1458	5528	6628	5/8" x 8 <sup>1</sup> / <sub>2</sub> "	25
1459	5529	6629	3/4" x 4 <sup>1</sup> / <sub>4</sub> "	20
1460	5530	6630	3/4" x 4 <sup>3</sup> / <sub>4</sub> "	20
1461	5531	6631	3/4" x 5 <sup>1</sup> / <sub>2</sub> "	20
1462	5532	6632	3/4" x 7"	10
1463	5533	6633	3/4" x 8 <sup>1</sup> / <sub>2</sub> "	10
1464	5534	6634	3/4" x 10"	10
1465	5535	6635	7/8" x 6"	5
1466	5536	6636	7/8" x 8"	5
1467	5537	6637	7/8" x 10"	5
1468	5538	6638	1" x 6"	5
1469	5539	6639	1" x 9"	5

