



**CODE LISTED**  
ICC-ES ESR-3260  
CRACKED CONCRETE

**PB+ (Power-Bolt®+)**

Heavy-Duty Sleeve Anchor

BASE MATERIAL

Concrete

SIZE RANGE

1/4" x 1-3/4" to 3/4" x 8-1/4"

ANCHOR MATERIAL

Carbon Steel

The PB+ anchor is a torque controlled, heavy duty sleeve style anchor which is designed for consistent performance in cracked and uncracked concrete. It is available with a finished hex head.

Carbon steel PB+ anchors are manufactured using a Grade 8 bolt. They are plated with a commercial bright zinc finish and have a supplementary chromate treatment in accordance with ASTM B 633.

**CARBON STEEL HEX HEAD PB+**

CAT. NO.	SIZE	DRILL DIA.	STD. BOX	STD. CTN.
6902SD	1/4" x 1-3/4"	1/4"	100	600
6906SD	1/4" x 3"	1/4"	100	600
6911SD	3/8" x 1-7/8"	3/8"	50	300
6910SD	3/8" x 2-1/4"	3/8"	50	300
6913SD	3/8" x 3"	3/8"	50	300
6914SD	3/8" x 3-1/2"	3/8"	50	300
6916SD	3/8" x 4"	3/8"	50	300
6930SD*	1/2" x 2-3/4"	1/2"	50	200
6932SD	1/2" x 3-1/2"	1/2"	50	200
6934SD	1/2" x 4-3/4"	1/2"	25	200
6936SD	1/2" x 5-3/4"	1/2"	25	150
6940SD*	5/8" x 3"	5/8"	20	150
6942SD	5/8" x 4"	5/8"	15	120
6944SD	5/8" x 5"	5/8"	15	90
6945SD	5/8" x 6"	5/8"	15	90
6947SD	5/8" x 8-1/2"	5/8"	10	40
6950SD	3/4" x 3-1/4"	1/4"	15	90
6952SD	3/4" x 4-1/4"	3/4"	10	60
6954SD	3/4" x 5-1/4"	3/4"	10	60
6956SD	3/4" x 7-1/4"	3/4"	10	40
6958SD	3/4" x 8-1/4"	3/4"	10	40

\*Asterisked catalog numbers denote sizes which are less than the minimum standard anchor length for strength design or not included in ESR-3260. The published size includes the diameter and the length which is measured from below the washer to the end of the anchor.



**New!**

**Powers PB-Pro**

Heavy-Duty Sleeve Anchor – Metric

BASE MATERIAL

Concrete

SIZE RANGE

24mm x 148mm to 28mm x 220mm

ANCHOR MATERIAL

Carbon Steel

The PB-Pro is a large diameter torque controlled, heavy duty sleeve anchor suitable for concrete applications. It is available in carbon steel with a finished hex head.

**CARBON STEEL HEX HEAD PB-PRO**

CAT. NO.	SIZE	DRILL DIA.	LENGTH	STD. BOX	STD. CTN.
PFM1220650	24-M16 x 148mm	24mm	148mm	5	20
PFM1220700	24-M16 x 178mm	24mm	178mm	5	20
PFM1220750	28-M20 x 170mm	28mm	170mm	5	15
PFM1220800	28-M20 x 190mm	28mm	190mm	5	10
PFM1220850	28-M20 x 220mm	28mm	220mm	5	10



**SDS-MAX CARBIDE DRILL BITS - 4 CUTTER**

CAT. NO.	SIZE	DRILL DIA.	LENGTH	USABLE LENGTH	STD. TUBE
PPA1330220	24 mm x 340 mm	24mm	340mm	200mm	1
PPA1330290	28 mm x 380 mm	28mm	380mm	250mm	1



**Power-Bolt®**

Heavy-Duty Sleeve Anchor

BASE MATERIAL

Concrete, Block, Brick, Stone

SIZE RANGE

1/4" x 5/8" to 1/4" x 5-1/2"

ANCHOR MATERIAL

Type 304 Stainless Steel & Carbon Steel (Flat Head)

The Power-Bolt anchor is a heavy duty sleeve style anchor which is vibration resistant and removable. It is available with a finished hex head or flat head with a hex key insert and can be used in concrete, block, brick, or stone.

Stainless steel Power-Bolt anchors are manufactured from 300 series stainless steel (passivated).

**304 STAINLESS STEEL HEX HEAD POWER-BOLT**

CAT. NO.	SIZE	DRILL DIA.	MIN. DEPTH	STD. BOX	STD. CTN.
5902	1/4" x 1-3/4"	1/4"	1-1/4"	100	600
5906	1/4" x 3"	1/4"	1-1/4"	100	600
5910	3/8" x 2-1/4"	3/8"	2"	50	300
5914	3/8" x 3-1/2"	3/8"	2"	50	300
5916	3/8" x 4"	3/8"	2"	50	300
5930	1/2" x 2-3/4"	1/2"	2-1/2"	50	200
5934	1/2" x 4-3/4"	1/2"	2-1/2"	25	150



### Carbon Steel Flat Head Power-Bolt®

Flat Head Carbon steel Power-Bolt anchors are manufactured using a Grade 5 bolt. They are plated with a commercial bright zinc finish and have a supplementary chromate treatment in accordance with ASTM Specification B 633.

The flat head Power-Bolt anchor has a hex key insert formed in the head of the bolt. Each box contains an Allen wrench which matches the insert size.

CAT. NO.	SIZE	DRILL DIA.	MIN. DEPTH	STD. BOX	STD. CTR.
6981	3/8" x 3-3/4"	3/8"	2"	50	300
6982	3/8" x 5"	3/8"	2"	50	300
6983	3/8" x 6"	3/8"	2"	50	300
6984	1/2" x 5"	1/2"	2-1/2"	25	150
6987	5/8" x 5-1/2"	5/8"	2-3/4"	15	90

The published length is the overall length of the anchor.



**CODE LISTED**  
ICC-ES ESR-2818  
CRACKED CONCRETE

**CODE LISTED**  
ICC-ES ESR-2966  
MASONRY

**CITY OF LOS ANGELES**  
LARR-25787 (Concrete)

**CITY OF LOS ANGELES**  
LARR-25864 (Masonry)

### Power-Stud®+ SD1

Wedge Type Expansion Anchor

BASE MATERIAL

Normal-Weight Concrete, Sand-Lightweight Concrete, Concrete over Metal Deck, Grout-Filled Masonry

SIZE RANGE

1/4" diameter, 3/8" diameter through 1-1/4" diameter (cracked and uncracked concrete)

ANCHOR MATERIAL

Zinc Plated Carbon Steel Body and Expansion Clip, with Nut and Washer

The Power-Stud+ SD1 anchor is a fully threaded, torque-controlled, wedge expansion anchor which is designed for consistent performance in cracked and uncracked concrete. Suitable base materials include normal-weight concrete, structural sand-lightweight concrete and concrete over metal deck. The anchor is manufactured with a zinc plated carbon steel body and expansion clip.

Patented & Additional Patents Pending

POWER-STUD+ SD1 CARBON STEEL BODY & EXPANSION CLIP					
CAT. NO.	SIZE	THREAD LENGTH	STD. BOX	STD. CTR.	
7400SD1*	1/4" x 1-3/4"	3/4"	100	600	
7402SD1	1/4" x 2-1/4"	1-1/4"	100	600	
7404SD1	1/4" x 3-1/4"	2-1/4"	100	600	
7410SD1*	3/8" x 2-1/4"	7/8"	50	300	
7412SD1*	3/8" x 2-3/4"	1-3/8"	50	300	
7413SD1	3/8" x 3"	1-5/8"	50	300	
7414SD1	3/8" x 3-1/2"	2-1/8"	50	300	
7415SD1	3/8" x 3-3/4"	2-3/8"	50	300	
7416SD1	3/8" x 5"	3-5/8"	50	300	
7417SD1	3/8" x 7"	5-5/8"	50	200	
7420SD1*	1/2" x 2-3/4"	1"	50	200	
7422SD1	1/2" x 3-3/4"	2"	50	200	
7423SD1	1/2" x 4-1/2"	2-3/4"	50	200	
7424SD1	1/2" x 5-1/2"	3-3/4"	50	150	
7426SD1	1/2" x 7"	5-1/4"	25	100	
7427SD1	1/2" x 8-1/2"	6-3/4"	25	100	
7428SD1	1/2" x 10"	8-1/4"	25	100	
7430SD1*	5/8" x 3-1/2"	1-1/2"	25	100	

CAT. NO.	SIZE	THREAD LENGTH	STD. BOX	STD. CTR.
7432SD1	5/8" x 4-1/2"	2-1/2"	25	100
7433SD1	5/8" x 5"	3"	25	100
7434SD1	5/8" x 6"	4"	25	75
7436SD1	5/8" x 7"	5"	25	75
7438SD1	5/8" x 8-1/2"	6-1/2"	25	50
7439SD1	5/8" x 10"	8"	25	50
7440SD1*	3/4" x 4-1/4"	1-3/4"	20	60
7441SD1*	3/4" x 4-3/4"	2-1/4"	20	60
7442SD1	3/4" x 5-1/2"	3"	20	60
7444SD1	3/4" x 6-1/4"	3-3/4"	20	60
7446SD1	3/4" x 7"	4-1/2"	20	20
7448SD1	3/4" x 8-1/2"	6"	10	60
7449SD1	3/4" x 10"	7-1/2"	10	40
7451SD1	3/4" x 12"	9-1/2"	10	40
7450SD1*	7/8" x 6"	2-3/4"	10	40
7452SD1	7/8" x 8"	4-3/4"	10	40
7454SD1	7/8" x 10"	6-3/4"	10	40
7461SD1*	1" x 6"	2-3/8"	10	30
7463SD1	1" x 9"	5-3/8"	10	30
7465SD1	1" x 12"	8-3/8"	5	20
7473SD1	1-1/4" x 9"	4-3/4"	5	15
7475SD1	1-1/4" x 12"	7-3/4"	5	15

\* Sizes which are less than the minimum standard anchor length for strength design. The published length is the overall length of the anchor. Allow for fixture thickness plus one anchor diameter for the nut and washer thickness when selecting a length. All anchors are packaged with nuts and washers.



TIE WIRE POWER STUD					
CAT. NO.	SIZE	TIE WIRE HOLE DIA.	MIN. DEPTH	STD. BOX	STD. CTR.
7409SD1	1/4" x 2"	9/32"	1-1/8"	100	500



**CODE LISTED**  
ICC-ES ESR-2502  
CRACKED CONCRETE

**CITY OF LOS ANGELES**  
LARR-25831 (Concrete)

### Power-Stud®+ SD2

Wedge Type Expansion Anchor

BASE MATERIAL

Normal-Weight Concrete, Sand-Lightweight Concrete, Concrete over Metal Deck, Grout-Filled Masonry

SIZE RANGE

3/8" through 3/4" diameter (Cracked and Uncracked Concrete)

ANCHOR MATERIAL

Zinc Plated Carbon Steel Body with Stainless Steel Expansion Clip

The Power-Stud+ SD2 anchor is a fully threaded, torque-controlled, wedge expansion anchor which is designed for consistent performance in cracked and uncracked concrete. Suitable base materials include normal-weight concrete, structural sand-lightweight concrete and concrete over metal deck. The anchor is manufactured with a zinc plated carbon steel body and stainless steel expansion clip for premium performance.

Patented & Additional Patents Pending

POWER-STUD+ SD2 CARBON STEEL BODY & SS EXPANSION CLIP					
CAT. NO.	SIZE	THREAD LENGTH	STD. BOX	STD. CTR.	
7413SD2	3/8" x 3"	1-5/8"	50	300	
7414SD2	3/8" x 3-1/2"	2-1/4"	50	300	
7415SD2	3/8" x 3-3/4"	2-1/2"	50	300	
7416SD2	3/8" x 5"	3-3/4"	50	300	
7422SD2	1/2" x 3-3/4"	2-1/8"	50	200	
7423SD2	1/2" x 4-1/2"	2-7/8"	50	200	
7424SD2	1/2" x 5-1/2"	3-7/8"	50	150	



**POWER-STUD+ SD2 CARBON STEEL BODY & SS EXPANSION CLIP, CONTINUED**

CAT. NO.	SIZE	THREAD LENGTH	STD. BOX	STD. CTN.
7426SD2	1/2" x 7"	5-3/8"	25	100
7427SD2	1/2" x 8-1/2"	6-7/8"	25	100
7435SD2	5/8" x 4-3/4"	2-7/8"	25	100
7433SD2	5/8" x 5"	3-1/8"	25	100
7434SD2	5/8" x 6"	4-1/8"	25	75
7436SD2	5/8" x 7"	5-1/8"	25	75
7438SD2	5/8" x 8-1/2"	6-5/8"	25	75
7442SD2	3/4" x 5-1/2"	3-1/4"	20	60
7444SD2	3/4" x 6-1/4"	4"	20	60
7446SD2	3/4" x 7"	4-3/4"	20	60
7448SD2	3/4" x 8-1/2"	6-1/4"	10	60

The published length is the overall length of the anchor. Allow for fixture thickness plus one anchor diameter for the nut and washer thickness when selecting a length. All anchors are packaged with nuts and washers.



**INSTALLATION ACCESSORIES FOR ADDITIONAL LENGTH**

CAT. NO.	SIZE	STD. BOX
08465	Adjustable torque wrench with 1/2" square drive (10 to 150 ft.-lbs.)	1



**CODE LISTED**  
**ICC-ES ESR-2502**  
 CRACKED CONCRETE

**Power-Stud+® SD4 + SD6**  
 Stainless Steel Wedge Type Expansion Anchor

**BASE MATERIAL:**  
 Normal-Weight Concrete, Sand-Lightweight Concrete

**SIZE RANGE:**  
 1/4" through 3/4" diameter

**ANCHOR MATERIAL:**  
 Stainless Steel Body with Expansion Clip with Nut and Washer

The Power-Stud+ SD4 and Power-Stud+ SD6 anchors are fully threaded, torque-controlled, stainless steel wedge expansion anchors which are designed for consistent performance in cracked and uncracked concrete. Suitable base materials are normal-weight and sand-lightweight concrete. The anchor is manufactured with a stainless steel body and expansion clip. Nut and washer are included.

**POWER-STUD+ SD4 (304 SS)**

CAT. NO.	SIZE	THREAD LENGTH	STD. BOX	STD. CTN.
7300SD4*	1/4" x 1-3/4"	3/4"	100	600
7302SD4	1/4" x 2-1/4"	1-1/4"	100	600
7304SD4	1/4" x 3-1/4"	2-1/4"	100	600
7310SD4*†	3/8" x 2-1/4"	7/8"	50	300
7312SD4 †	3/8" x 2-3/4"	1-3/8"	50	300
7313SD4	3/8" x 3"	1-5/8"	50	300
7314SD4 †	3/8" x 3-1/2"	2-1/8"	50	300
7315SD4	3/8" x 3-3/4"	2-3/8"	50	300
7316SD4	3/8" x 5"	3-5/8"	50	300
7317SD4 †	3/8" x 7"	5-5/8"	50	300
7320SD4* †	1/2" x 2-3/4"	1"	50	300
7322SD4	1/2" x 3-3/4"	2"	50	300
7323SD4	1/2" x 4-1/2"	2-3/4"	50	300
7324SD4	1/2" x 5-1/2"	3-3/4"	50	300
7326SD4	1/2" x 7"	5-1/4"	25	100
7330SD4* †	5/8" x 3-1/2"	1-1/2"	25	100
7332SD4 †	5/8" x 4-1/2"	2-1/2"	25	100
7333SD4	5/8" x 5"	3"	25	100
7334SD4	5/8" x 6"	4"	25	75
7336SD4 †	5/8" x 7"	5"	25	75
7338SD4	5/8" x 8-1/2"	6-1/2"	25	50
7340SD4* †	3/4" X 4-1/4"	1-7/8"	20	60
7341SD4* †	3/4" X 4-3/4"	2-3/8"	20	60
7342SD4	3/4" X 5-1/2"	3-1/8"	20	60
7344SD4 †	3/4" X 6-1/4"	3-7/8"	20	60
7346SD4 †	3/4" X 7"	4-5/8"	20	60

CAT. NO.	SIZE	THREAD LENGTH	STD. BOX	STD. CTN.
7348SD4	3/4" X 8-1/2"	6-1/8"	10	40
7349SD4	3/4" X 10"	7-5/8"	10	40

† Discontinued item once current stock exhausted.

**POWER-STUD+ SD6 (316SS)**

CAT. NO.	SIZE	THREAD LENGTH	STD. BOX	STD. CTN.
7600SD6*	1/4" x 1-3/4"	3/4"	100	600
7602SD6	1/4" x 2-1/4"	1-1/4"	100	600
7604SD6	1/4" x 3-1/4"	2-1/4"	100	600
7610SD6*	3/8" x 2-1/4"	7/8"	50	300
7612SD6	3/8" x 2-3/4"	1-3/8"	50	300
7613SD6	3/8" x 3"	1-5/8"	50	300
7614SD6	3/8" x 3-1/2"	2-1/8"	50	300
7615SD6	3/8" x 3-3/4"	2-3/8"	50	300
7616SD6	3/8" x 5"	3-5/8"	50	300
7617SD6	3/8" x 7"	5-5/8"	50	300
7620SD6*	1/2" x 2-3/4"	1"	50	300
7622SD6	1/2" x 3-3/4"	2"	50	300
7623SD6	1/2" x 4-1/2"	2-3/4"	50	300
7624SD6	1/2" x 5-1/2"	3-3/4"	50	300
7626SD6	1/2" x 7"	5-1/4"	25	100
7630SD6*	5/8" x 3-1/2"	1-1/2"	25	100
7632SD6	5/8" x 4-1/2"	2-1/2"	25	100
7633SD6	5/8" x 5"	3"	25	100
7634SD6	5/8" x 6"	4"	25	75
7636SD6	5/8" x 7"	5"	25	75
7638SD6	5/8" x 8-1/2"	6-1/2"	25	50
7640SD6*	3/4" X 4-1/4"	1-7/8"	20	60
7641SD6*	3/4" X 4-3/4"	2-3/8"	20	60
7642SD6	3/4" X 5-1/2"	3-1/8"	20	60
7644SD6	3/4" X 6-1/4"	3-7/8"	20	60
7646SD6	3/4" X 7"	4-5/8"	20	60
7648SD6	3/4" X 8-1/2"	6-1/8"	10	40

Power-Stud+ SD4 and Power-Stud+ SD6 anchors can be domestically manufactured (assembled in the USA with foreign and domestic components) and are available for special order only. Call for details.

\*Asterisked catalog numbers denote sizes which are less than the minimum standard anchor length for strength design.

The published size includes the diameter and the overall length of the anchor. All anchors are packaged with nuts and washers.



**Power-Stud® HD5**  
 Wedge Type Expansion Anchor

**BASE MATERIAL:**  
 Concrete, Grouted CMU

**SIZE RANGE:**  
 3/8" x 3" to 3/4" x 8-1/2"

**ANCHOR MATERIAL:**  
 Hot Dipped Galvanized Steel

The Power-Stud anchor is a one piece fully threaded, wedge style anchor available in carbon steel and stainless steel. The drill bit diameter needed for proper installation is the same nominal size as the anchor diameter.

Hot Dipped Galvanized Power-Stud anchors are manufactured from carbon steel which have a hot dipped galvanized coating (zinc) in accordance with ASTM A 153 Class C or D Specification.

**HOT DIPPED GALVANIZED POWER-STUD**

CAT. NO.	SIZE	MIN. EMBED.	THREAD LENGTH	STD. BOX	STD. CTN.
7713HD5	3/8" x 3"	1-1/2"	1-1/2"	50	300
7715HD5	3/8" x 3-3/4"	1-1/2"	2-3/8"	50	300
7716HD5	3/8" x 5"	1-1/2"	3-1/2"	50	300
7717HD5	3/8" x 7"	1-1/2"	5-1/2"	50	200
7720HD5	1/2" x 2-3/4"	2"	1"	50	200
7722HD5	1/2" x 3-3/4"	2"	2"	50	200
7723HD5	1/2" x 4-1/2"	2"	2-3/4"	50	200
7724HD5	1/2" X 5-1/2"	2"	3-3/4"	50	200
7726HD5	1/2" X 7"	2"	5-1/4"	50	150
7730HD5	5/8" X 3-1/2"	2-3/8"	1-1/2"	25	100
7733HD5	5/8" x 5"	2-3/8"	3"	25	100

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CAT. NO.	SIZE	MIN. EMBED.	THREAD LENGTH	STD. BOX	STD. CTN.
7734HD5	5/8" x 6"	2-3/8"	4"	25	100
7738HD5	5/8" x 8-1/2"	2-3/8"	6-1/2"	25	75
7741HD5	3/4" x 4-3/4"	3-3/8"	2-1/4"	20	60
7742HD5	3/4" x 5-1/2"	3-3/8"	3"	20	60
7746HD5	3/4" x 7"	3-3/8"	4-1/2"	20	60
7748HD5	3/4" x 8-1/2"	3-3/8"	6"	10	40

**Power-Stud®**  
Wedge Type Expansion Anchor

**BASE MATERIAL**

Concrete, Grouted CMU

**SIZE RANGE**

1/4" x 1-3/4" to 1-1/4" x 12"

**ANCHOR MATERIAL**

Carbon Steel, Type 304 or 316 Stainless Steel

The Power-Stud anchor is a one piece fully threaded, wedge style anchor available in carbon steel and stainless steel. The threaded Rod Hanger version is designed for use in solid concrete. The drill bit diameter needed for proper installation is the same nominal size as the anchor diameter.



**ROD HANGER POWER-STUD**

CAT. NO.	ROD SIZE	HANGER SIZE	DRILL DIA.	MIN. EMBED.	THREAD DEPTH	STD. BOX	STD. CTN.
7806	3/8"	1/2" x 2-3/8"	1/2"	2-1/4"	9/16"	50	250



Stainless Steel Power-Stud anchors are manufactured from AISI Type 304 / 304 Cu and Type 316 stainless steel which is passivated.

**TYPE 304 STAINLESS STEEL POWER-STUD**

CAT. NO.	SIZE	MIN. EMBED.	THREAD LENGTH	STD. BOX	STD. CTN.
7300	1/4" x 1-3/4"	1-1/8"	3/4"	100	500
7302	1/4" x 2-1/4"	1-1/8"	1-1/4"	100	500
7304	1/4" x 3-1/4"	1-1/8"	2-1/4"	100	500
7310	3/8" x 2-1/4"	1-5/8"	1-1/4"	50	250
7312	3/8" x 2-3/4"	1-5/8"	1-5/8"	50	250
7313	3/8" x 3"	1-5/8"	1-7/8"	50	250
7314	3/8" x 3-1/2"	1-5/8"	2-3/8"	50	250
7315	3/8" x 3-3/4"	1-5/8"	2-5/8"	50	250
7316	3/8" x 5"	1-5/8"	3-1/8"	50	250
7320	1/2" x 2-3/4"	2-1/4"	1-3/8"	50	200
7322	1/2" x 3-3/4"	2-1/4"	2-3/8"	50	200
7323	1/2" x 4-1/2"	2-1/4"	3-1/8"	50	200
7324	1/2" x 5-1/2"	2-1/4"	4-1/8"	50	150
7326	1/2" x 7"	2-1/4"	5-5/8"	25	100
7330	5/8" x 3-1/2"	2-3/4"	2"	25	100
7332	5/8" x 4-1/2"	2-3/4"	3"	25	100
7333	5/8" x 5"	2-3/4"	3-1/2"	25	100
7334	5/8" x 6"	2-3/4"	4-1/2"	25	75
7336	5/8" x 7"	2-3/4"	5-1/2"	25	75
7338	5/8" x 8-1/2"	2-3/4"	7"	25	75
7340	3/4" x 4-1/4"	3-3/8"	2-3/8"	20	60
7341	3/4" x 4-3/4"	3-3/8"	2-7/8"	20	60
7342	3/4" x 5-1/2"	3-3/8"	3-5/8"	20	60
7344	3/4" x 6-1/4"	3-3/8"	4-3/8"	20	60
7346	3/4" x 7"	3-3/8"	5-1/8"	20	60
7348	3/4" x 8-1/2"	3-3/8"	6-5/8"	10	40
7349	3/4" x 10"	3-3/8"	8-1/8"	10	30
7352	7/8" x 8"	3-7/8"	4-3/4"	10	40
7361	1" x 6"	4-1/2"	2-3/8"	10	30
7363	1" x 9"	4-1/2"	5-3/8"	10	30
7365	1" x 12"	4-1/2"	8-3/8"	5	15

The published length is the overall length of the anchor. Allow for fixture thickness plus one anchor diameter for the nut and washer thickness when selecting a length.



**TYPE 316 STAINLESS STEEL POWER-STUD**

CAT. NO.	SIZE	MIN. EMBED.	THREAD LENGTH	STD. BOX	STD. CTN.
7600	1/4" x 1-3/4"	1-1/8"	3/4"	100	500
7602	1/4" x 2-1/4"	1-1/8"	1-1/4"	100	500
7604	1/4" x 3-1/4"	1-1/8"	2-1/4"	100	500
7610	3/8" x 2-1/4"	1-5/8"	1-1/4"	50	250
7612	3/8" x 2-3/4"	1-5/8"	1-5/8"	50	250
7613	3/8" x 3"	1-5/8"	1-7/8"	50	250
7614	3/8" x 3-1/2"	1-5/8"	2-3/8"	50	250
7615	3/8" x 3-3/4"	1-5/8"	2-5/8"	50	250
7616	3/8" x 5"	1-5/8"	3-1/8"	50	250
7620	1/2" x 2-3/4"	2-1/4"	1-3/8"	50	200
7622	1/2" x 3-3/4"	2-1/4"	2-3/8"	50	200
7623	1/2" x 4-1/2"	2-1/4"	3-1/8"	50	200
7624	1/2" x 5-1/2"	2-1/4"	4-1/8"	50	150
7626	1/2" x 7"	2-1/4"	5-5/8"	25	100
7630	5/8" x 3-1/2"	2-3/4"	2"	25	100
7632	5/8" x 4-1/2"	2-3/4"	3"	25	100
7633	5/8" x 5"	2-3/4"	3-1/2"	25	100
7634	5/8" x 6"	2-3/4"	4-1/2"	25	75
7636	5/8" x 7"	2-3/4"	5-1/2"	25	75
7638	5/8" x 8-1/2"	2-3/4"	7"	25	75
7640	3/4" x 4-1/4"	3-3/8"	2-3/8"	20	60
7641	3/4" x 4-3/4"	3-3/8"	2-7/8"	20	60
7642	3/4" x 5-1/2"	3-3/8"	3-5/8"	20	60
7644	3/4" x 6-1/4"	3-3/8"	4-3/8"	20	60
7646	3/4" x 7"	3-3/8"	5-1/8"	20	60
7648	3/4" x 8-1/2"	3-3/8"	6-5/8"	10	40

The published length is the overall length of the anchor. Allow for fixture thickness plus one anchor diameter for the nut and washer thickness when selecting a length.

**CODE LISTED**  
ICC-ES ESR-3067  
CRACKED CONCRETE

**Atomic+ Undercut®**

Heavy Duty Undercut Anchor

**BASE MATERIAL**

Normal-Weight Concrete, Sand-Lightweight Concrete

**SIZE RANGE**

3/8" diameter through 3/4" diameter

**ANCHOR MATERIAL**

Zinc Plated A 36 Carbon Steel, Zinc Plated High Strength A 193 Grade B7 Steel, Type 316 Stainless Steel

The Atomic+ Undercut anchor is a heavy duty undercut anchor which is designed for consistent performance in cracked and uncracked concrete. Atomic+ Undercut anchors are available for standard installations and for through bolt applications where the fixture is already in place. The Atomic+ Undercut anchor is installed into a pre-drilled hole which has been enlarged at the bottom in the shape of a reversed cone using the Powers Undercut Drill Bit. The result is an anchor which transfers load mainly through bearing, and unlike a typical expansion anchor is not dependent upon friction between the expansion sleeve and the concrete.

\*Contact Powers Fasteners for appropriate drilling method. For anchor lengths not listed please contact Powers Fasteners. For availability of all anchor lengths please contact Powers Fasteners.



**ATOMIC+ UNDERCUT ANCHOR A 36 STEEL**

CAT. NO.	ROD INCHES DIA.	LENGTH	REQ. UNDERCUT BIT (CAT. NO.)	RECOMMENDED DEEP BT (CAT. NO.)	ANCHOR TYPE	STD. BOX
03100SD	3/8"	5-1/2"	03200SD	03220SD	Standard	20
03102SD	3/8"	5-1/2"	03200SD	*	Through bolt	20
03108SD	1/2"	7"	03201SD	03222SD	Standard	15
03110SD	1/2"	7"	03201SD	*	Through bolt	15
03120SD	5/8"	7-3/4"	03202SD	03222SD	Standard	10
03122SD	5/8"	7-3/4"	03202SD	*	Through bolt	10
03132SD	3/4"	8-5/8"	03203SD	03228SD	Standard	8
03134SD	3/4"	8-5/8"	03203SD	*	Through bolt	8





ATOMIC+ UNDERCUT HIGH STRENGTH A 193, GRADE B7 STEEL						
CAT. NO.	NOM. ANCHOR DIA.	LENGTH	REQ. UNDERCUT BIT (CAT. NO.)	RECOMMENDED STOP BIT (CAT. NO.)	ANCHOR TYPE	STD. BOX
03104SD	3/8"	6-3/4"	03200SD	03221SD	Standard	20
03106SD	3/8"	6-3/4"	03200SD	*	Through bolt	20
03112SD	1/2"	8"	03201SD	03223SD	Standard	15
03114SD	1/2"	8"	03201SD	*	Through bolt	15
03116SD	1/2"	9-3/4"	03201SD	03224SD	Standard	15
03118SD	1/2"	9-3/4"	03201SD	*	Through bolt	15
03124SD	5/8"	10-3/4"	03202SD	03226SD	Standard	10
03126SD	5/8"	10-3/4"	03202SD	*	Through bolt	10
03128SD	5/8"	12-1/4"	03202SD	03227SD	Standard	10
03130SD	5/8"	12-1/4"	03202SD	*	Through bolt	10
03136SD	3/4"	13-5/8"	03203SD	03229SD	Standard	8
03138SD	3/4"	13-5/8"	03203SD	*	Through bolt	8



ATOMIC UNDERCUT+ TYPE 316 STAINLESS STEEL						
CAT. NO.	NOM. ANCHOR DIA.	LENGTH	REQ. UNDERCUT BIT (CAT. NO.)	RECOMMENDED STOP BIT (CAT. NO.)	ANCHOR TYPE	STD. BOX
03600SD	3/8"	5-1/2"	03200SD	03220SD	Standard	20
03602SD	3/8"	5-1/2"	03200SD	*	Through bolt	20
03608SD	1/2"	7"	03201SD	03222SD	Standard	15
03610SD	1/2"	7"	03201SD	*	Through bolt	15
03620SD	5/8"	7-3/4"	03202SD	03225SD	Standard	10
03622SD	5/8"	7-3/4"	03202SD	*	Through bolt	10
03632SD	3/4"	8-5/8"	03203SD	03228SD	Standard	8
03634SD	3/4"	8-5/8"	03203SD	*	Through bolt	8



The Stop Drill Bit creates a drill hole to the proper depth for standard installations of the Atomic+ Undercut anchor (For through bolt applications please contact Powers Fasteners for appropriate drilling method)

STOP DRILL BITS						
CAT. NO.	NOMINAL STOP DRILL BIT DIA.	CORRESPONDING NOMINAL ANCHOR DIA.	MAX. DRILL DEPTH	SHANK TYPE	STD. TUBE	STD. BOX
03220SD	5/8"	3/8"	3-1/8"	SDS	1	1
03221SD	5/8"	3/8"	4-3/8"	SDS	1	1
03222SD	3/4"	1/2"	4-1/4"	SDS	1	1
03223SD	3/4"	1/2"	5-1/4"	SDS	1	1
03224SD	3/4"	1/2"	7"	SDS	1	1
03225SD	1"	5/8"	5"	SDS-Max	1	1
03226SD	1"	5/8"	8"	SDS-Max	1	1
03227SD	1"	5/8"	9-1/2"	SDS-Max	1	1
03228SD	1-1/8"	3/4"	5-13/16"	SDS-Max	1	1
03229SD	1-1/8"	3/4"	10-13/16"	SDS-Max	1	1



The Undercut Drill Bits unique design enlarges the bottom of the drill hole creating a reverse cone sized to receive the Atomic+ Undercut anchor.

UNDERCUT DRILL BITS						
CAT. NO.	NOMINAL STOP DRILL BIT DIA.	CORRESPONDING NOMINAL ANCHOR DIA.	MAX. DRILL DEPTH	SHANK TYPE	STD. TUBE	STD. BOX
03200SD	5/8"	3/8"	9"	SDS	1	1
03201SD	3/4"	1/2"	10-1/4"	SDS	1	1
03202SD	1"	5/8"	12-1/4"	SDS-Max	1	1
03203SD	1-1/8"	3/4"	13-1/2"	SDS-Max	1	1



SETTING SLEEVE		
CAT. NO.	CORRESPONDING NOMINAL ANCHOR DIA.	STD. TUBE
03210SD	3/8"	1
03211SD	1/2"	1
03218SD	5/8"	1
03213SD	3/4"	1



CUTTER BLADE REPLACEMENTS FOR UNDERCUT BIT		
CAT. NO.	DESCRIPTION	STD. TUBE
03205SD	Atomic+ (3/8") Cutter Blade - 5/8"	1
03206SD	Atomic+ (1/2") Cutter Blade - 3/4"	1
03208SD	Atomic+ (5/8") Cutter Blade - 1"	1
03209SD	Atomic+ (3/4") Cutter Blade - 1-1/8"	1



REPLACEMENT BOW JAWS FOR UNDERCUT BIT		
CAT. NO.	DESCRIPTION	STD. TUBE
03212SD	3/8" Bow Jaw for 5/8" Hole	1
03215SD	1/2" Bow Jaw for 3/4" Hole	1
03216SD	5/8" Bow Jaw for 1" Hole	1
03217SD	3/4" Bow Jaw for 1-1/8" Hole	1

**Lok-Bolt AS®**

Sleeve Type Expansion Anchor

BASE MATERIAL	Concrete, Block, Brick
SIZE RANGE	1/4" x 5/8" to 3/4" x 7-1/2"
ANCHOR MATERIAL	Carbon Steel & Stainless Steel

The Lok-Bolt AS anchor is a pre-assembled single unit sleeve anchor available in carbon steel and stainless steel which can be used in concrete, block, brick and stone. Extension sleeves are added to create longer lengths. \* AS refers to all-steel sleeve



HEX NUT LOK BOLT AS CARBON STEEL						
CAT. NO.	SIZE	DRILL DIA.	MIN. EMBED.	STD. BOX	STD. CTN.	STD. BOX
5005S	5/16" x 1-1/2"	5/16"	1"	100	1000	
5010S	5/16" x 2-3/8"	5/16"	1"	100	500	
5015S	3/8" x 1-7/8"	3/8"	1-1/4"	50	500	
5020S	3/8" x 3"	3/8"	1-1/4"	50	500	
5022S	3/8" x 4"	3/8"	1-1/4"	50	250	
5025S	1/2" x 2-1/2"	1/2"	1-1/2"	25	250	
5030S	1/2" x 3"	1/2"	1-1/2"	25	250	
5034S	1/2" x 3-3/4"	1/2"	1-1/2"	25	125	
5033S	1/2" x 5-1/4"	1/2"	1-1/2"	25	125	
5032S	1/2" x 6"	1/2"	1-1/2"	10	100	
5035S	5/8" x 2-1/2"	5/8"	2"	25	125	
5038S	5/8" x 3"	5/8"	2"	25	125	
5040S	5/8" x 4-1/4"	5/8"	2"	10	100	
5045S	5/8" x 5-3/4"	5/8"	2"	10	100	
5050S	3/4" x 2-3/4"	3/4"	2-1/4"	10	100	
5055S	3/4" x 4-1/4"	3/4"	2-1/4"	10	40	
5060S	3/4" x 6-1/4"	3/4"	2-1/4"	10	30	
5065S	3/4" x 8-1/4"	3/4"	2-1/4"	10	30	

The published length is measured from below the washer to the end of the anchor.



HEX NUT LOK-BOLT AS 304 STAINLESS STEEL					
CAT NO.	SIZE	DRAW DIA.	MIN. EMBED.	STD. BOX	STD. CTN.
61525	3/8" x 1-7/8"	3/8"	1-1/4"	50	500
61535	3/8" x 3"	3/8"	1-1/4"	50	500
61565	1/2" x 2-1/2"	1/2"	1-1/2"	25	250
61575	1/2" x 3"	1/2"	1-1/2"	25	250
61605	1/2" x 3-3/4"	1/2"	1-1/2"	25	125
61645	5/8" x 4-1/4"	5/8"	2"	10	100

The published length is measured from below the washer to the end of the anchor.



ACORN NUT LOK-BOLT AS CARBON STEEL					
CAT NO.	SIZE	DRAW DIA.	MIN. EMBED.	STD. BOX	STD. CTN.
51255	1/4" x 5/8"	1/4"	1/2"	100	1000
51505	1/4" x 1-3/8"	1/4"	1/2"	100	1000
51755	1/4" x 2-1/4"	1/4"	1/2"	100	1000

The published length is measured from below the washer to the end of the anchor.

ACORN NUT LOK-BOLT AS 304 STAINLESS STEEL					
CAT NO.	SIZE	DRAW DIA.	MIN. EMBED.	STD. BOX	STD. CTN.
61505	1/4" x 1-3/8"	1/4"	1/2"	100	1000

The published length is measured from below the washer to the end of the anchor.



ROUND HEAD LOK-BOLT AS CARBON STEEL					
CAT NO.	SIZE	DRAW DIA.	MIN. EMBED.	STD. BOX	STD. CTN.
52055	1/4" x 1-3/8"	1/4"	1/2"	100	1000
52105	1/4" x 2-1/4"	1/4"	1/2"	100	1000
52155	1/4" x 3"	1/4"	1/2"	100	1000
52205	1/4" x 3-3/4"	1/4"	1/2"	100	1000
52255	5/16" x 2-3/8"	5/16"	1"	100	1000
52305	5/16" x 3-3/8"	5/16"	1"	100	500
52355	3/8" x 2-3/4"	3/8"	1-1/4"	50	500
52405	3/8" x 3-3/4"	3/8"	1-1/4"	50	250

ROUND HEAD LOK-BOLT AS 304 STAINLESS STEEL					
CAT NO.	SIZE	DRAW DIA.	MIN. EMBED.	STD. BOX	STD. CTN.
61805	1/4" x 2-1/4"	1/4"	1/2"	100	1000



COMBO FLAT HEAD LOK-BOLT AS CARBON STEEL					
CAT NO.	SIZE	DRAW DIA.	MIN. EMBED.	STD. BOX	STD. CTN.
53055	1/4" x 1-1/2"	1/4"	1/2"	100	1000
53105	1/4" x 2-1/4"	1/4"	1/2"	100	1000
53155	1/4" x 3"	1/4"	1/2"	100	1000
53205	1/4" x 4"	1/4"	1/2"	100	500
53255	1/4" x 5-1/4"	1/4"	1/2"	100	500
53305	5/16" x 2-1/4"	5/16"	1"	100	1000
53405	3/8" x 2-3/4"	3/8"	1-1/4"	50	300
53455	3/8" x 4"	3/8"	1-1/4"	50	250
53505	3/8" x 5"	3/8"	1-1/4"	50	250
53605	3/8" x 6"	3/8"	1-1/4"	50	250

COMBO FLAT HEAD LOK-BOLT AS 304 STAINLESS STEEL					
CAT NO.	SIZE	DRAW DIA.	MIN. EMBED.	STD. BOX	STD. CTN.
61705	1/4" x 2-1/4"	1/4"	1/2"	100	1000
61725	1/4" x 3"	1/4"	1/2"	100	1000
61745	3/8" x 4"	3/8"	1-1/4"	50	250
61755	3/8" x 5"	3/8"	1-1/4"	50	250
61765	3/8" x 6"	3/8"	1-1/4"	50	250

These parts do not have a compression ring.



THRESHOLD FLAT HEAD LOK-BOLT AS					
CAT NO.	SIZE	DRAW DIA.	MIN. DEPTH	STD. BOX	STD. CTN.
55005	1/4" x 2"	1/4"	1/2"	100	1000

This part does not have a compression ring.



ROD HANGER LOK-BOLT AS CARBON STEEL					
CAT NO.	SIZE	DRAW DIA.	MIN. DEPTH	STD. BOX	STD. CTN.
58105	1/4" x 1-1/2"	5/16"	1/2"	50	250
58155	3/8" x 1-7/8"	3/8"	1-1/4"	50	250
58255	1/2" x 2-1/4"	1/2"	1-1/2"	25	125



TIE-WIRE LOK-BOLT AS					
CAT NO.	SIZE	DRAW DIA.	MIN. DEPTH	STD. BOX	STD. CTN.
57005	5/16" x 1-1/2"	5/16"	1"	100	1000



LOK-BOLT AS EXTENDERS CARBON STEEL (FOR ADDITIONAL LENGTH)					
CAT NO.	SIZE	DRAW DIA.	STD. BOX	STD. CTN.	
5684	3/8" x 1-1/4"	3/8"	50	500	



**Set-Bolt**

*Displacement Controlled Expansion Anchor*

BASE MATERIAL	Concrete
SIZE RANGE	1/4" x 1-3/4" to 1/2" x 4-1/4"
ANCHOR MATERIAL	Carbon Steel

The Set-Bolt is a one piece, stud style anchor with an external bottom-bearing expansion plug. It is available in carbon steel for use in concrete, stone and solid masonry units.

CAT NO.	SIZE	MIN. DEPTH	THREAD LENGTH	STD. BOX	STD. CTN.
7101	1/4" x 1-3/4"	1-3/8"	5/8"	100	1000
7123*	3/8" x 2-1/4"	1-5/8"	5/8"	50	250
7126	3/8" x 3"	1-5/8"	1-3/8"	50	250
7134*	3/8" x 6"	1-5/8"	1-3/8"	50	-
7151	1/2" x 4-1/4"	1-7/8"	1-7/8"	25	125

\* Discontinued item once current stock exhausted.





**CODE LISTED**  
ICC-ES ESR-2526  
CRACKED CONCRETE

**CODE LISTED**  
ICC-ES ESR-1678  
MASONRY

CITY OF LOS ANGELES  
LARR 25908 (Concrete)

**Wedge-Bolt+**

Screw Anchor

**BASE MATERIAL**

Normal-Weight Concrete, Sand-Lightweight Concrete, Concrete Over Metal Deck, Grouted CMU

**SIZE RANGE**

1/4" Diameter, 3/8" Diameter Through 3/4" Diameter (Cracked And Uncracked Concrete), Grouted CMU

**ANCHOR MATERIAL**

Zinc Plated Carbon Steel Body, and Hex Head or Mechanically Galvanized Carbon Steel Body and Hex Head

The Wedge-Bolt+ anchor is a one piece, heavy duty screw anchor with a finished hex head. It is simple to install, easy to identify and fully removable. The Wedge-Bolt+ has many features and benefits that make it well suited for many applications in a variety of base materials. The anchor is designed for consistent and reliable performance in cracked and uncracked concrete.

Install with Powers Wedge-Bit™

WEDGE-BOLT+ SCREW ANCHOR (CARBON STEEL)				
CAT. NO.	DIAMETER SIZE & LENGTH	MIN. EMBED.	STD. BOX	STD. CTR.
7204SD	1/4" x 1-1/4"	1"	100	600
7206SD	1/4" x 1-3/4"	1"	100	600
7207SD	1/4" x 2"	1-3/4"	100	600
7208SD	1/4" x 2-1/4"	1-3/4"	100	600
7210SD	1/4" x 3"	1-3/4"	100	500
7220SD	3/8" x 1-3/4"	1-1/2"	50	300
7222SD	3/8" x 2-1/2"	2-1/8"	50	300
7224SD	3/8" x 3"	2-1/8"	50	250
7226SD	3/8" x 4"	2-1/8"	50	250
7228SD	3/8" x 5"	2-1/8"	50	250
7230SD	3/8" x 6"	2-1/8"	50	150
7240SD	1/2" x 2"	1-3/4"	50	150
7242SD	1/2" x 2-1/2"	1-3/4"	50	200
7244SD	1/2" x 3"	2-1/2"	50	150
7248SD	1/2" x 5"	2-1/2"	25	100
7250SD	1/2" x 6"	2-1/2"	25	75
7268SD	1/2" x 6-1/2"	2-1/2"	25	75
7252SD	1/2" x 8"	2-1/2"	25	75
7260SD	5/8" x 3"	2-1/2"	25	100
7262SD	5/8" x 4"	3-1/4"	25	100
7264SD	5/8" x 5"	3-1/4"	25	75
7266SD	5/8" x 6"	3-1/4"	25	75
7270SD	5/8" x 8"	3-1/4"	25	75
7280SD	3/4" x 3"	2-1/2"	20	60
7282SD	3/4" x 4"	3"	20	60
7284SD	3/4" x 5"	4-1/4"	20	60
7286SD	3/4" x 6"	4-1/4"	20	60
7288SD	3/4" x 8"	4-1/4"	10	40
7290SD	3/4" x 10"	4-1/4"	10	40

\* Sizes which are less than the minimum standard anchor length for strength design. The published length is measured from below the hex washer head to the end of the anchor. Wedge-Bolt+ is marked with a blue tip and must be installed with a matched tolerance Wedge-Bit.



WEDGE-BOLT+ MECHANICALLY GALVANIZED			
CAT. NO.	DIAMETER SIZE & LENGTH	STD. BOX	STD. CTR.
7726SD	3/8" x 4"	50	250
7728SD	3/8" x 5"	50	250
7730SD	3/8" x 6"	50	150
7746SD	1/2" x 4"	50	150
7748SD	1/2" x 5"	25	100
7750SD	1/2" x 6"	25	75
7751SD	1/2" x 6-1/2"	25	75
7752SD	1/2" x 8"	25	75
7764SD	5/8" x 5"	25	75
7766SD	5/8" x 6"	25	75
7768SD	5/8" x 6-1/2"	25	75
7770SD	5/8" x 8"	25	75

**Wedge-Bolt 316 Stainless Steel**

The 316 SS Wedge-Bolt screw anchor is specifically engineered for applications where additional corrosion resistance is desired. This anchor can be easily installed with either an impact wrench or conventional hand socket.



Install with Powers Wedge-Bit™

316 STAINLESS STEEL WEDGE-BOLT SCREW ANCHOR			
CAT. NO.	DIAMETER SIZE & LENGTH	STD. BOX	STD. CTR.
07870	1/4" x 2"	100	600
07872	1/4" x 3"	100	500
07876	1/4" x 4"	100	500
07878	1/4" x 5"	100	500
07880	3/8" x 2-1/2"	50	300
07882	3/8" x 3"	50	250
07884	3/8" x 4"	50	250
07886	3/8" x 5"	50	150
07888	1/2" x 3"	50	150
07890	1/2" x 4"	50	150
07892	1/2" x 5"	25	100
07894	1/2" x 6"	25	75

**Wedge-Bolt Orange Tip**

The Carbon Steel Wedge-Bolt OT screw anchor is a specifically engineered part for the racking industry. This anchor is available in a finished hex head design and can be easily installed with either an impact wrench or conventional hand socket. This anchor, unlike Blue Tip Wedge-Bolt, can be installed with regular ANSI standard carbide drill bits but requires larger clearance holes.



Orange Tip (OT) - Install with ANSI Bit

WEDGE-BOLT OT SCREW ANCHOR								
CAT. NO.	DIAMETER SIZE & LENGTH	ANCHOR DIA.	CLEARANCE HOLE DIA.	MIN. EMBED.	THREAD LENGTH	STD. BOX	STD. CTR.	
7215	1/4" x 3"	1/4"	3/8"	1"	2-3/4"	100	500	
7216	3/8" x 4"	3/8"	1/2"	1-1/2"	3-3/4"	50	250	
7217	1/2" x 4"	1/2"	5/8"	1-3/4"	3-3/4"	50	150	
7218	1/2" x 5"	1/2"	5/8"	1-3/4"	3-3/4"	25	100	
7214	1/2" x 6"	1/2"	5/8"	1-3/4"	3-3/4"	25	75	
7219	5/8" x 4"	5/8"	3/4"	2-1/2"	3-3/4"	25	100	
7221	5/8" x 5"	5/8"	3/4"	2-1/2"	3-3/4"	25	75	
7227	5/8" x 6"	5/8"	3/4"	2-1/2"	3-3/4"	25	75	
7229	5/8" x 7"	5/8"	3/4"	2-1/2"	3-3/4"	25	75	
7233	1/2" x 6-1/2"	1/2"	5/8"	1-3/4"	3-3/4"	25	75	
7231	3/4" x 6"	3/4"	7/8"	2-1/2"	4-1/2"	20	60	
7232	3/4" x 8"	3/4"	7/8"	2-1/2"	6"	10	40	

### Wedge-Bit™ Drill Bits

For proper performance, the Carbon Steel Wedge-Bolt and 410 Stainless Steel Wedge-Bolt anchors must be installed with a Wedge-Bit. The Wedge-Bit has a special matched tolerance range designed to provide optimum performance for the anchor. The available shank styles and sizes are listed below.



SDS-PLUS WEDGE-BIT				
CAT. NO.	DRILL SIZE	USABLE LENGTH	OVERALL LENGTH	STD. PACK
1312	1/4"	2"	4"	1
1314	1/4"	4"	6"	1
1315	1/4"	6"	8"	1
1316	3/8"	4"	6"	1
1318	3/8"	6"	8"	1
1319	3/8"	16"	18"	1
1332	3/8"	10"	12"	1
1320	1/2"	4"	6"	1
1322	1/2"	8"	10"	1
1334	1/2"	10"	12"	1
1325	1/2"	16"	18"	1
1324	5/8"	6"	8"	1
1326	5/8"	10"	12"	1
1336	5/8"	16"	18"	1
1328	3/4"	6"	8"	1
1330	3/4"	10"	12"	1



HEAVY DUTY STRAIGHT SHANK WEDGE-BIT				
CAT. NO.	DRILL SIZE	USABLE LENGTH	OVERALL LENGTH	STD. PACK
1370	1/4"	2-3/4"	4"	1
1372	1/4"	4"	6"	1
1380	3/8"	4"	6"	1
1384	3/8"	11"	13"	1
1390	1/2"	4"	6"	1
1394	1/2"	11"	13"	1
1396	5/8"	11"	13"	1
1397	3/4"	11"	13"	1



SPLINE WEDGE-BIT				
CAT. NO.	DRILL SIZE	USABLE LENGTH	OVERALL LENGTH	STD. PACK
1340	1/2"	8"	13"	1
1342	1/2"	11"	16"	1
1344	5/8"	8"	13"	1
1348	3/4"	8"	13"	1



SDS-MAX WEDGE-BIT				
CAT. NO.	DRILL SIZE	USABLE LENGTH	OVERALL LENGTH	STD. PACK
1354	1/2"	8"	13"	1
1356	5/8"	8"	13"	1
1357	5/8"	16"	21"	1
1358	3/4"	8"	13"	1



PERMA-SEAL COATING  
**CODE LISTED**  
ICC-ES ESR-3068  
UNCRACKED CONCRETE

### Tapper+® Xtreme

Concrete Screw

BASE MATERIAL

Uncracked Concrete

SIZE RANGE

5/16" x 1-3/4" to 5/16" x 6"

ANCHOR MATERIAL

Carbon Steel

The new Tapper+ Xtreme concrete screw is fully threaded in lengths up to 3-1/4" for light gauge metal attachment to CMU. It is easily installed 2-1/2" - added strength with low torque, and installation drive mechanisms, -5/16" hex head and #3 Phillips. Choice of head styles: hex flange head, trim hex head, flat and trim flat. Tested to meet ICC-ES Standards for uncracked concrete.



SEVER TAPPER+ XTREME STANDARD PACK*						
HW CAT. NO.	TH CAT. NO.	PH CAT. NO.	TFH CAT. NO.	SCREEN SIZE	STD. BOX	STD. CTN.
2200SD	2230SD		2240SD	5/16" x 1-3/4"	100	500
2202SD	2232SD	2212SD	2242SD	5/16" x 2-1/4"	100	500
2204SD	2234SD	2214SD	2244SD	5/16" x 2-3/4"	100	500
2206SD	2236SD	2216SD	2246SD	5/16" x 3-1/4"	100	500
2208SD	2238SD	2218SD	2248SD	5/16" x 4"	100	500
2210SD		2220SD	2250SD	5/16" x 5"	100	500
			2222SD	5/16" x 6"	100	500



White Perma-Seal coating available by special order.

WHITE TAPPER+ XTREME STANDARD PACK*						
HW CAT. NO.	TH CAT. NO.	PH CAT. NO.	TFH CAT. NO.	SCREEN SIZE	STD. BOX	STD. CTN.
2300SD	2330SD		2340SD	5/16" x 1-3/4"	100	500
2302SD	2332SD	2312SD	2342SD	5/16" x 2-1/4"	100	500
2304SD	2334SD	2314SD	2344SD	5/16" x 2-3/4"	100	500
2306SD	2316SD	2316SD	2346SD	5/16" x 3-1/4"	100	500
2308SD	2318SD	2318SD	2348SD	5/16" x 4"	100	500
2310SD		2320SD	2350SD	5/16" x 5"	100	500
			2322SD	5/16" x 6"	100	500



Bronze Perma-Seal coating available by special order.

BRONZE TAPPER+ XTREME STANDARD PACK*						
HW CAT. NO.	TH CAT. NO.	PH CAT. NO.	TFH CAT. NO.	SCREEN SIZE	STD. BOX	STD. CTN.
2600SD	2630SD		2640SD	5/16" x 1-3/4"	100	500
2602SD	2632SD	2612SD	2642SD	5/16" x 2-1/4"	100	500
2604SD	2634SD	2614SD	2644SD	5/16" x 2-3/4"	100	500
2606SD	2636SD	2616SD	2646SD	5/16" x 3-1/4"	100	500
2608SD	2638SD	2618SD	2648SD	5/16" x 4"	100	500
2610SD		2620SD	2650SD	5/16" x 5"	100	500
			2622SD	5/16" x 6"	100	500

HWH = Hex Washer Head (standard); PPH = Phillips Flat Head, TH = Trim Flat Head, FHH = Flange Hex Head  
\* One Tapper+ drill bit included in each standard box.

TAPPER+ XTREME SDS-PLUS BIT			
CAT. NO.	SIZE	USABLE LENGTH	STD. PACK
1314	1/4" x 6"	4"	1
1315	1/4" x 8"	6"	1



TAPPER+ XTREME INSTALLATION TOOLS		
CAT. NO.	DESCRIPTION	STD. BOX
2291SD	Tapper+ Xtreme Installation Kit	1





**CODE LISTED**  
ICC-ES ESR-3068  
CONCRETE

**CODE LISTED**  
ICC-ES ESR-3042  
WOOD-TO-WOOD

**CODE LISTED**  
ICC-ES ESR-3213  
CHEMICALLY TREATED LUMBER

**CODE LISTED**  
ICC-ES ESR-3196  
MASONRY (CMU)



**Tapper+®**  
Concrete Screw

**BASE MATERIAL**

Concrete, Block, Brick, Wood, Pressure Treated Lumber

**SIZE RANGE**

3/16" x 1-1/4" to 1/4" x 6"

**ANCHOR MATERIAL**

Carbon Steel

The Tapper+ is a one-piece self-tapping concrete screw for use in a variety of light to medium duty applications in base materials including concrete, masonry and wood. It features a corrosion resistant Perma-Seal® coating and an optimized thread design for lower torque. The screw also incorporates a gimlet drill point for wood base materials (no pre-drilling required). Tapper+ is available in a variety of head styles and colors to match the application.



**BLUE PERMA-SEAL TAPPER+ STANDARD PACK\***

HWK CAT NO.	PHH CAT NO.	SCREW SIZE	STD. BOX	STD. CTN.
2700SD1	2740SD1	3/16" x 1-1/4"	100	500
2702SD1	2742SD1	3/16" x 1-3/4"	100	500
2704SD	2744SD	3/16" x 2-1/4"	100	500
2706SD	2746SD	3/16" x 2-3/4"	100	500
2708SD	2748SD	3/16" x 3-1/4"	100	500
2710SD	2750SD	3/16" x 3-3/4"	100	500
2712SD	2752SD	3/16" x 4"	100	500
2720SD1	2760SD1	1/4" x 1-1/4"	100	500
2722SD1	2762SD1	1/4" x 1-3/4"	100	500
2724SD	2764SD	1/4" x 2-1/4"	100	500
2726SD	2766SD	1/4" x 2-3/4"	100	500
2728SD	2768SD	1/4" x 3-1/4"	100	500
2730SD	2770SD	1/4" x 3-3/4"	100	500
2732SD	2772SD	1/4" x 4"	100	500
2734SD	2774SD	1/4" x 5"	100	100
	2776SD	1/4" x 6"	100	100

HWK = Hex Washer Head (dotted); PHH = Phillips Flat Head; TFH = Trim Flat Head; FHH = Flange Hex Head

\* One Tapper+ drill bit included in each standard box.  
† Sizes which are less than the minimum standard anchor length for strength design.



**SILVER PERMA-SEAL TAPPER+ STANDARD PACK\***

CAT NO. HWK	CAT NO. PHH	CAT NO. TFH	CAT NO. FHH	SCREW SIZE	STD. BOX	STD. CTN.
2498SD1				3/16" x 1-1/4"	100	500
2500SD1				3/16" x 1-3/4"	100	500
2501SD				3/16" x 2-1/4"	100	500
2502SD				3/16" x 2-3/4"	100	500
2503SD				3/16" x 3-1/4"	100	500
2504SD				3/16" x 3-3/4"	100	500

CAT NO. HWK	CAT NO. PHH	CAT NO. TFH	CAT NO. FHH	SCREW SIZE	STD. BOX	STD. CTN.	
				2505SD	3/16" x 4"	100	500
2486SD1	2506SD1			1/4" x 1-1/4"	100	500	
2488SD1	2507SD1	8715SD1	8719SD1	1/4" x 1-3/4"	100	500	
2490SD	2508SD	8716SD	8720SD	1/4" x 2-1/4"	100	500	
2492SD	2509SD	8717SD	8721SD	1/4" x 2-3/4"	100	500	
2494SD	2510SD	8718SD	8722SD	1/4" x 3-1/4"	100	500	
2495SD	2511SD		8723SD	1/4" x 3-3/4"	100	500	
2496SD	2512SD			1/4" x 4"	100	500	

HWK = Hex Washer Head (dotted); PHH = Phillips Flat Head; TFH = Trim Flat Head; FHH = Flange Hex Head

\* One Tapper+ drill bit included in each standard box.  
† Sizes which are less than the minimum standard anchor length for strength design.



**Bronze PERMA-SEAL TAPPER+ STANDARD PACK\***

CAT NO. HWK	CAT NO. PHH	SCREW SIZE	STD. BOX	STD. CTN.
9975SD1	9977SD1	1/4" x 1-1/4"	100	500
9976SD1	9978SD1	1/4" x 1-3/4"	100	500

† Sizes which are less than the minimum standard anchor length for strength design.



**White PERMA-SEAL TAPPER+ STANDARD PACK\***

CAT NO. HWK	CAT NO. PHH	CAT NO. TFH	CAT NO. FHH	SCREW SIZE	STD. BOX	STD. CTN.
2400SD1	2440SD1			3/16" x 1-1/4"	100	500
2402SD1	2442SD1			3/16" x 1-3/4"	100	500
2404SD				3/16" x 2-1/4"	100	500
	2448SD			3/16" x 3-1/4"	100	500
2410SD				3/16" x 3-3/4"	100	500
2412SD	2449SD			3/16" x 4"	100	500
2420SD1	2460SD1			1/4" x 1-1/4"	100	500
		8706SD1	8710SD1	1/4" x 1-3/4"	100	500
2424SD		8707SD	8711SD	1/4" x 2-1/4"	100	500
2426SD		8708SD	8712SD	1/4" x 2-3/4"	100	500
		8709SD	8713SD	1/4" x 3-1/4"	100	500
2430SD			8714SD	1/4" x 3-3/4"	100	500
2435SD				1/4" x 4"	100	500

HWK = Hex Washer Head (dotted); PHH = Phillips Flat Head; TFH = Trim Flat Head; FHH = Flange Hex Head

\* One Tapper+ drill bit included in each standard box.  
† Sizes which are less than the minimum standard anchor length for strength design.

**Drill Bits for Perma-Seal® Tapper+®**



CAT NO.	SIZE	SHANK LENGTH	STD. BOX	WGT. LB.
2781SD	5/32" x 3-1/2"	2"	10	1/4
2782SD	5/32" x 4-1/2"	3"	10	1/4
2783SD	5/32" x 5-1/2"	4"	10	1/4
2785SD	3/16" x 3-1/2"	2"	10	1/4
2786SD	3/16" x 4-1/2"	3"	10	1/4
2787SD	3/16" x 5-1/2"	4"	10	1/2
2788SD	3/16" x 6-1/2"	5"	10	1/2
2789SD	3/16" x 7-1/2"	6"	10	1/2



CAT NO.	SIZE	SHANK LENGTH	STD. BOX	WGT. LB.
2793SD	5/32" x 5"	3"	1	1
2794SD	5/32" x 7"	4"	1	1
2796SD	3/16" x 5"	3"	1	1
2797SD	3/16" x 7"	4"	1	1

## Stainless Steel Tapper™

Concrete Screw



**BASE MATERIAL**

Concrete, Block and Brick

**SIZE RANGE**

3/16" x 1-1/4" to 1/4" x 6"

**ANCHOR MATERIAL**

Type 304 & Type 410 Stainless Steel

The Tapper Anchoring System is a family of screw anchors, specially designed drill bits and installation tools designed to meet the needs of most light to medium duty applications in concrete, block and brick. The Tapper concrete screw anchor is produced in either hex washer head or Phillips flat head styles for Type 304 and Type 410 stainless steel.



Standard Packaging - 100 screws and 1 drill per box

TYPE 304 STAINLESS STEEL TAPPER HEX HEAD†					
CAT. NO.	SIZE	STD. BOX	STD. CTN.	DRILL BIT REF. STRAIGHT	DRILL BIT REF. SDS HEX
2880	1/4" x 1-1/4"	100	500	2894	2790
2881	1/4" x 1-3/4"	100	500	2894	2790
2882	1/4" x 2-1/4"	100	500	2895	2790
2883	1/4" x 2-3/4"	100	500	2895	2790

†Stainless Steel Tapper screws require the use of special Tapper drill bits. These special drill bits are gold or silver colored for identification. They cannot be used with the Perma-Seal® Tapper or 410 Stainless Steel Tapper.



Standard Packaging - 100 screws and 1 drill per box

TYPE 304 STAINLESS STEEL TAPPER PHILLIPS FLAT HEAD†					
CAT. NO.	SIZE	STD. BOX	STD. CTN.	DRILL BIT REF. STRAIGHT	DRILL BIT REF. SDS HEX
2887	1/4" x 1-1/4"	100	500	2894	2790
2888	1/4" x 1-3/4"	100	500	2894	2790
2889	1/4" x 2-1/4"	100	500	2895	2790
2890	1/4" x 2-3/4"	100	500	2895	2790

†Stainless Steel Tapper screws require the use of special Tapper drill bits. These special drill bits are gold or silver colored for identification. They cannot be used with the Perma-Seal® Tapper or 410 stainless steel Tapper.



Standard Packaging - 100 screws and 1 drill per box

TYPE 410 STAINLESS STEEL TAPPER HEX HEAD					
CAT. NO.	SIZE	STD. BOX	STD. CTN.	DRILL BIT REF. STRAIGHT	DRILL BIT REF. SDS HEX
4180	3/16" x 1-1/4"	100	500	2781	2793
4181	3/16" x 1-3/4"	100	500	2781	2793
4182	3/16" x 2-1/4"	100	500	2782	2793
4183	3/16" x 2-3/4"	100	500	2782	2793
4110	1/4" x 1-1/4"	100	500	2785	2796
4112	1/4" x 1-3/4"	100	500	2785	2796
4114	1/4" x 2-1/4"	100	500	2786	2796
4116	1/4" x 2-3/4"	100	500	2786	2796
4117	1/4" x 3-1/4"	100	500	2786	2796
4119	1/4" x 3-3/4"	100	500	2786	2796
4127	1/4" x 4"	100	500	2787	2797
4128	1/4" x 5"	100	500	2788	-
4129	1/4" x 6"	100	500	2788	-



Standard Packaging - 100 screws and 1 drill per box

TYPE 410 STAINLESS STEEL TAPPER PHILLIPS FLAT HEAD					
CAT. NO.	SIZE	STD. BOX	STD. CTN.	DRILL BIT REF. STRAIGHT	DRILL BIT REF. SDS HEX
4185	3/16" x 1-1/4"	100	500	2781	2793
4186	3/16" x 1-3/4"	100	500	2781	2793
4187	3/16" x 2-1/4"	100	500	2782	2793
4188	3/16" x 2-3/4"	100	500	2782	2793
4118	1/4" x 1-1/4"	100	500	2785	2796
4120	1/4" x 1-3/4"	100	500	2785	2796
4123	1/4" x 2-1/4"	100	500	2786	2796
4124	1/4" x 2-3/4"	100	500	2786	2796
4125	1/4" x 3-1/4"	100	500	2786	2796

## Tapper Drill Bits

Tapper Drill Bits in the diameters listed are nominal size. Tapper anchors must be installed with special tolerance Tapper drill bits. 1/4", Type 304 Stainless Steel Tapper anchors require the use of specific tolerance Tapper drill bits, which are gold or silver colored, to denote the standard size and special application size for harder materials. Tolerance Range = 0.168" to 0.175" for the 5/32" and 0.202" to 0.204" for the 3/16" bits.

### Carbide Drill Bits for Type 410 SS TAPPER



HEX SHANK SDS-PLUS			
CAT. NO.	SIZE	USABLE LENGTH	STD. TUBE
2793	5/32" x 5"	3"	1
2794	5/32" x 7"	5"	1
2796	3/16" x 5"	3"	1
2797	3/16" x 7"	5"	1

### Carbide Drill Bits for Type 304 SS TAPPER

This is the standard bit for use with Type 304 Stainless Steel Tapper. It is for use in standard weight concrete and block, tolerance = 0.215" to 0.216". This bit is gold colored for identification. (Do not use with Perma-Seal or Type 410 SS Tapper)



STRAIGHT SHANK			
CAT. NO.	SIZE	USABLE LENGTH	STD. TUBE
2894	3/16" x 3-1/2"	2"	10
2895	3/16" x 4-1/2"	3"	10

SDS HEX			
CAT. NO.	SIZE	USABLE LENGTH	STD. TUBE
2790	3/16" x 5-1/2"	3"	1

## Tapper Installation Tools



INSTALLATION TOOLS FOR 3/16" AND 1/4" TAPPER				
CAT. NO.	DESCRIPTION	MAX. SCREW LENGTH	MAX. BIT LENGTH	STD. BOX
2791	Tapper 1000 Tool (as shown)	4"	5-1/2"	1
2792*	Condrive®† 2000	2-3/4"	4-1/2"	1
2795	1000 SDS Extension (8")	6"	7-1/2"	1

\*This tool cannot be used with SDS Drill Bits or PFH screws



TAPPER 1000 REPLACEMENT PARTS		
CAT. NO.	DESCRIPTION	STD. BOX
2953	Drive Sleeve Assembly (5-3/4")	1
2964	Blue 3/16" Hex Wedge-Bolt® Socket	1



CONDRIVE® 2000 REPLACEMENT PARTS†		
CAT. NO.	DESCRIPTION	STD. BOX
2956	1/4" Hex Key	1
2957	5/16" Hex Key	1

† Condrive® is a Registered Trademark of Illinois Tool Works.





**CODE LISTED**  
ICC-ES ESR-2272  
CRACKED CONCRETE

## Snake+®

Internally Threaded Self-Tapping Anchor

BASE MATERIAL

Normal-Weight Concrete, Structural Sand-Lightweight Concrete, Concrete Over Metal Deck

SIZE RANGE

1/4" - 1/2" diameter (Cracked and Uncracked Concrete)

ANCHOR MATERIAL

Zinc Plated Carbon Steel

The Snake+ anchor is an internally threaded, self-tapping screw anchor designed for performance in cracked and uncracked concrete. Suitable base materials include normal-weight concrete, structural sand-lightweight concrete and concrete over metal deck. The Snake+ screw anchor is installed in a drilled hole with a power tool and a Snake+ setting tool. A hammer is not used for installation.

### SMART DI+

CAT. NO.	SIZE	MIN. HOLE DEPTH	INTERNAL THREAD DEPTH	STD. BOX	STD. CTN.
6400SD	1/4"	1-5/8"	22/32"	100	1000
6401SD	3/8"	1-5/8"	11/16"	50	500
6403SD	1/2"	2-1/2"	29/32"	50	300



### EXTRA SNAKE & SNAKE+ SETTING TOOLS

CAT. NO.	SIZE	STD. BOX	STD. CTN.
6402SD	1/4"	1	250
6407SD	3/8"	1	250
6404SD	1/2"	1	250



## Smart DI+® Anchor (Drop-In)

Internally Threaded Expansion Anchor

BASE MATERIAL

Concrete

SIZE RANGE

1/4" to 1/2"

ANCHOR MATERIAL

Carbon Steel

With Powers new patented innovation, the Smart DI+™ Anchor (Drop-In), contractors can now reduce the amount of hammer blows when setting by approximately 25% compared to competitive brands. Once the setting tool is flush, your anchor is set! The new patented plug design yields a higher percentage of the expansion at the bottom of the anchor, exactly where it is needed. Smart DI+™ Anchor (Drop-In), can also be set using our new Smart Tool. Drill your hole, slide the tool sleeve over the carbide drill and lock into place. The hammer drill now does all the work setting the anchor.

### SMART DI+

CAT. NO.	SIZE	STD. BOX	STD. CTN.
6304SD	1/4"	100	1000
6306SD	3/8"	50	500
6308SD	1/2"	50	300



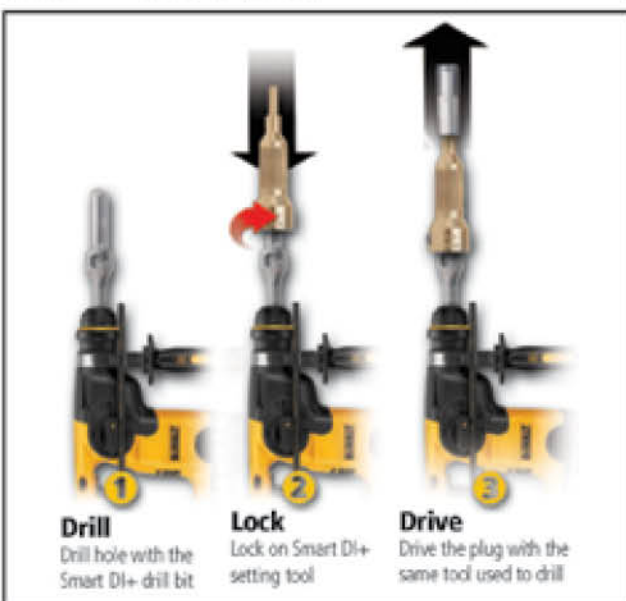
### DI+ TOOL

CAT. NO.	SIZE	STD. BOX	STD. CTN.
00425SD	1/4"	1	6
00427SD	3/8"	1	6
00429SD	1/2"	1	6



### DI+ DRILL

CAT. NO.	SIZE	STD. BOX	STD. CTN.
00391SD	3/8" (for 1/4" Smart DI+)	1	12
00397SD	1/2" (for 3/8" Smart DI+)	1	12
00410SD	5/8" (for 1/2" Smart DI+)	1	12



#### Drill

Drill hole with the Smart DI+ drill bit

#### Lock

Lock on Smart DI+ setting tool

#### Drive

Drive the plug with the same tool used to drill



## Hollow-Set Dropin™

Internally Threaded Expansion Anchor

BASE MATERIAL

Concrete, Block, Brick, Pre-cast Hollow Core Plank, Stone

SIZE RANGE

1/4" to 5/8"

ANCHOR MATERIAL

Zamac Alloy with Carbon Steel or Stainless Steel Cones

The Hollow-Set Dropin anchor is designed for anchoring in hollow base materials such as hollow concrete block, brick with weep holes and hollow core pre-cast concrete plank. It can also be used in solid base materials. Hollow masonry materials often have a relatively thin outer wall thickness. During the drilling process, spalling on the back side of the wall can decrease the wall thickness available for anchoring to 1" or less. The design of the Hollow-Set Dropin overcomes this problem.

### ZAMAC BODY WITH CARBON STEEL CONE

CAT. NO.	SIZE	DRILL DIA.	OVERALL LENGTH	SLUVE LENGTH	STD. BOX	STD. CTN.
9320	1/4"	3/8"	7/8"	5/8"	100	1000
9330	5/16"	5/8"	1-5/16"	15/16"	50	500
9340	3/8"	5/8"	1-5/16"	15/16"	50	500
9350	1/2"	3/4"	1-3/4"	1-1/4"	50	250
9360	5/8"	1"	2"	1-1/2"	25	125

ZAMAC BODY WITH STAINLESS STEEL CONE						
CAT. NO.	SIZE	DRILL DIA.	OVERALL LENGTH	SLEEVE LENGTH	STD. BOX	STD. CTN.
9420	1/4"	3/8"	7/8"	5/8"	100	1000
9440	3/8"	5/8"	1-5/16"	15/16"	100	500



SOLID BASE MATERIAL SETTING TOOLS			
CAT. NO.	SIZE	STD. BOX	STD. CTN.
9322	1/4"	1	1
9342	5/16" & 3/8"	1	1
9352	1/2"	1	1
9362	5/8"	1	1



HOLLOW BASE MATERIAL SETTING TOOLS			
CAT. NO.	SIZE	STD. BOX	STD. CTN.
9323	1/4"	1	1
9333	5/16"	1	1
9343	3/8"	1	1
9353	1/2"	1	1
9363	5/8"	1	1



## Steel Dropin

Internally Threaded Expansion Anchor

**BASE MATERIAL**

Solid Concrete, Solid Block, Hard Stone

**SIZE RANGE**

1/4" to 3/4" Standard Thread, 1/2" & 3/4" in Coil Thread

**ANCHOR MATERIAL**

Carbon Steel and Type 304 or 316 Stainless Steel

The Steel Dropin is an all-steel, machine bolt anchor available in carbon steel and two types of stainless steel. It can be used in solid concrete, hard stone, and solid block. A coil-thread version for forming applications is also available. A setting tool is included in each standard carton.

CARBON STEEL DROPIN (SMOOTH WALL)						
CAT. NO.	SIZE	DRILL DIA.	MIN. DEPTH	THREAD DEPTH	STD. BOX	STD. CTN.
6304	1/4"	3/8"	1"	7/16"	100	1000
6306	3/8"	1/2"	1-9/16"	5/8"	50	500
6308	1/2"	5/8"	2"	13/16"	50	300
6320	5/8"	7/8"	2-1/2"	1-3/16"	25	125
6312	3/4"	1"	3-3/16"	1-3/8"	10	50

CARBON STEEL FLANGED DROPIN (LIPPED)						
CAT. NO.	SIZE	DRILL DIA.	MIN. DEPTH	THREAD DEPTH	STD. BOX	STD. CTN.
6324	1/4"	3/8"	1"	7/16"	100	1000
6326	3/8"	1/2"	1-9/16"	5/8"	50	500
6328	1/2"	5/8"	2"	13/16"	50	300

CARBON STEEL KNURLED WALL DROPIN						
CAT. NO.	BODY/ANCHOR SIZE	DRILL DIA.	OVERALL LENGTH	THREAD DEPTH	STD. BOX	STD. CTN.
6340	1/4"	3/8"	1"	7/16"	100	1000
6342	3/8"	1/2"	1-9/16"	5/8"	50	500
6344	1/2"	5/8"	2"	13/16"	50	250

TYPE 303 STAINLESS STEEL DROPIN						
CAT. NO.	SIZE	DRILL DIA.	MIN. DEPTH	THREAD DEPTH	STD. BOX	STD. CTN.
6204	1/4"	3/8"	1"	7/16"	100	1000
6206	3/8"	1/2"	1-9/16"	5/8"	50	500
6208	1/2"	5/8"	2"	13/16"	50	300
6210	5/8"	7/8"	2-1/2"	1-3/16"	25	125
6212	3/4"	1"	3-3/16"	1-3/8"	10	50

TYPE 316 STAINLESS STEEL DROPIN						
CAT. NO.	SIZE	DRILL DIA.	MIN. DEPTH	THREAD DEPTH	STD. BOX	STD. CTN.
6224	1/4"	3/8"	1"	7/16"	100	1000
6226	3/8"	1/2"	1-9/16"	5/8"	50	500
6228	1/2"	5/8"	2"	13/16"	50	300
6230	5/8"	7/8"	2-1/2"	1-3/16"	25	125
6232	3/4"	1"	3-3/16"	1-3/8"	10	50

CARBON STEEL COIL THREAD DROPIN						
CAT. NO.	SIZE	DRILL DIA.	MIN. DEPTH	THREAD DEPTH	STD. BOX	STD. CTN.
6330	1/2"	5/8"	2"	13/16"	50	300
6332	3/4"	1"	3-3/16"	1-3/8"	10	50

Use Setting Tool Cat. No. 6309 for 1/2" size, Cat. No. 6313 for 3/4" size.



SETTING TOOLS FOR STEEL DROPIN ANCHORS			
CAT. NO.	SIZE	STD. BOX	STD. CTN.
6305	1/4"	1	250
6307	3/8"	1	100
6309	1/2"	1	100
6311	5/8"	1	50
6313	3/4"	1	25



SDS-PLUS ACCU-BIT FOR DROPIN AND SMART DI+			
CAT. NO.	SIZE	USABLE LENGTH	BITS PER PACK
00391	SDS-Plus 3/8" Concrete Accu-Bit	for 1/4" Dropin	1
00397	SDS-Plus 1/2" Concrete Accu-Bit	for 3/8" Dropin	1
00410	SDS-Plus 5/8" Concrete Accu-Bit	for 1/2" Dropin	1
00418	SDS-Plus 7/8" Concrete Accu-Bit	for 5/8" Dropin	1
00419	SDS-Plus 1" Concrete Accu-Bit	for 3/4" Dropin	1



## Mini Dropin

Internally Threaded Expansion Anchor

**BASE MATERIAL**

Pre-cast Hollow Core Plank, Concrete

**SIZE RANGE**

1/4", 3/8" and 1/2"

**ANCHOR MATERIAL**

Carbon Steel

The Mini Dropin is a carbon steel, machine bolt anchor used in shallow embedment applications. It can be used in solid concrete and hollow core concrete plank, and it may be suitable in hard stone and solid block.

MINI DROPIN						
CAT. NO.	SIZE	DRILL DIA.	MIN. DEPTH	THREAD DEPTH	STD. BOX	STD. CTN.
6335	1/4"	3/8"	5/8"	3/8"	100	1000
6322	3/8"	1/2"	3/4"	13/32"	100	1000
6337	1/2"	5/8"	1"	5/8"	50	250



SETTING TOOLS FOR MINI DROPIN ANCHORS			
CAT. NO.	SIZE	STD. BOX	STD. CTN.
6336	1/4"	1	50
6323	3/8"	1	50
6338	1/2"	1	50



SDS-PLUS ACCU-BIT FOR MINI DROPIN			
CAT. NO.	SIZE	USABLE LENGTH	BITS PER PACK
00392	SDS-Plus 3/8" Concrete Accu-Bit	for 1/4" Mini Dropin	1
00398	SDS-Plus 1/2" Concrete Accu-Bit	for 3/8" Mini Dropin	1
00411	SDS-Plus 5/8" Concrete Accu-Bit	for 1/2" Mini Dropin	1





## Double Expansion Anchor

Shell Expansion Anchor

BASE MATERIAL

Pre-cast Hollow Core Plank, Concrete

SIZE RANGE

1/4", 3/8" and 1/2"

ANCHOR MATERIAL

Carbon Steel

The Double is a dual expansion machine bolt anchor particularly suited for base materials of questionable strength. It can be used in solid concrete and some block, brick and stone base materials.

CAT. NO.	SIZE	ANCHOR LENGTH	DRILL DIA.	MIN. HOLE DEPTH	STD. BOX	STD. CTN.
9510	1/4"	1-3/8"	1/2"	1-1/4"	50	500
9515	5/16"	1-5/8"	5/8"	1-1/2"	50	500
9520	3/8"	2"	3/4"	1-3/4"	50	250
9525	1/2"	2-1/2"	7/8"	2-1/4"	25	250
9530	5/8"	2-3/4"	1"	2-1/2"	25	100
9535	3/4"	3-15/16"	1-1/4"	3-1/2"	10	50



## Single Expansion Anchor

Shell Expansion Anchor

BASE MATERIAL

Concrete

SIZE RANGE

1/4" to 5/8"

ANCHOR MATERIAL

Zamac Alloy

The Single is a machine bolt anchor designed for use in concrete, and may be suitable in block, brick and stone base materials. The anchor consists of a pre-assembled set of expansion shields and an expander cone formed from Zamac alloy.

CAT. NO.	SIZE	ANCHOR LENGTH	DRILL DIA.	MIN. HOLE DEPTH	STD. BOX	STD. CTN.
9650	1/4"	1-5/16"	1/2"	1-3/8"	50	250
9655	5/16"	1-1/2"	5/8"	1-5/8"	50	250
9665	3/8"	1-1/2"	5/8"	1-5/8"	50	250
9675	1/2"	2-1/16"	7/8"	2-1/2"	25	125
9685	5/8"	2-5/8"	1"	2-3/4"	25	125



## Calk-In

Machine Screw Anchor

BASE MATERIAL

Concrete, Block, Brick

SIZE RANGE

8 - 32 to 3/4" - 10

ANCHOR MATERIAL

Zamac Alloy and Lead

The Calk-In is a pre-assembled precision cast calking type machine bolt anchor which can be used in concrete, block, brick or stone. The anchor consists of an antimonial lead alloy calking sleeve and a Zamac alloy internally-threaded expander cone.

CALK-IN	SIZE	DRILL DIA.	MIN. HOLE DEPTH	STD. BOX	STD. CTN.
9205	8-32	5/16"	1/2"	100	1000
9210	10-24	3/8"	5/8"	100	1000
9220	1/4"-20	1/2"	7/8"	100	1000
9225	5/16"-18	5/8"	1"	50	250
9230	3/8"-16	3/4"	1-1/4"	50	250
9240	1/2"-13	7/8"	1-1/2"	50	250
9250	3/4"-10	1-1/4"	2-1/4"	50	-

### MASTER PACK

CAT. NO.	SIZE	DRILL DIA.	MIN. HOLE DEPTH	MASTER PKT.
9222	1/4"-20	1/2"	7/8"	1000



Calk-in tools purchased separately (not included)

### CALK-IN SETTING TOOLS

CAT. NO.	SIZE	STD. BOX	STD. CTN.
9201	8	1	1
9211	10	1	1
9221	1/4"	1	1
9226	5/16"	1	1
9231	3/8"	1	1
9241	1/2"	1	1
9251	3/4"	1	1



## Lag Shield

Shell Expansion Anchor

BASE MATERIAL

Concrete and Mortar Joints of Block and Brick

SIZE RANGE

1/4" to 3/4"

ANCHOR MATERIAL

Zamac Alloy

The Lag Shield is a screw style anchor designed for use with lag bolts. It is suitable for use in concrete and the mortar joints of block or brick walls. Lag Shield anchors are formed from Zamac alloy. In harder masonry materials, short style Lag Shields are used to reduce drilling time. The long style version is used in soft or weak masonry to engage more base material.

CAT. NO.	SIZE	DRILL DIA.	MIN. HOLE DEPTH	STD. BOX	STD. CTN.
1051	1/4" Short	1/2"	1"	50	500
1055	1/4" Long	1/2"	1-1/2"	50	500
1101	5/16" Short	1/2"	1-1/4"	50	500
1105	5/16" Long	1/2"	1-3/4"	50	500
1151	3/8" Short	5/8"	1-3/4"	50	500
1155	3/8" Long	5/8"	2-1/2"	50	250
1201	1/2" Short	3/4"	2"	50	500
1205	1/2" Long	3/4"	3"	50	200
1251	5/8" Short	7/8"	2"	25	125
1255	5/8" Long	7/8"	3-1/2"	25	125
1301	3/4" Short	1"	2"	25	125
1305	3/4" Long	1"	3-1/2"	25	100



**Heli-Pin™**

**Facade Anchor**

**BASE MATERIAL**

Concrete, Block, Brick, Stone, Clay Tile and Wood

**SIZE RANGE**

8mm (5/16") x 6" to 8mm (5/16") x 12"

**ANCHOR MATERIAL**

Type 304 Stainless Steel

The Heli-Pin anchor is a one-piece, stainless steel helical wall tie system used for anchoring existing brick veneers to the back-up structural members without exposed hardware. Existing facades constructed of various masonry materials can be reattached and reinforced using the Heli-Pin. They are ideal for stabilizing areas with missing or corroded wall ties as well as retrofits to multiple width masonry wall sections. The Heli-Pin is installed in predrilled holes with a Heli-Pin setting tool and a SDS-Plus shank roto-hammer drill.

CAT. NO.	ITEM DESCRIPTION	STD. BOX	STD. CTN.
08341	Heli-Pin Anchor 8mm (5/16") x 6"	100	1000
08342	Heli-Pin Anchor 8mm (5/16") x 8"	100	1000
08343	Heli-Pin Anchor 8mm (5/16") x 10"	100	1000
08344	Heli-Pin Anchor 8mm (5/16") x 12"	50	500
08345	Heli-Pin SDS-Setting Tool	1	12

**Vertigo®+ / Vertigo®**

**Rod Hanger System**

**BASE MATERIAL**

Steel, Wood, Concrete

**SIZE RANGE**

1/4" - 1/2"

**ANCHOR MATERIAL**

Carbon Steel

Vertigo is an all steel threaded fastening system for suspending steel threaded rod and other assemblies. Vertigo can be installed in a variety of base materials including steel bar joints and beams, wood frame columns and beams, as well as concrete beams and columns. In wood and steel base materials, Vertigo is also offered in a side mount style for lateral installation of 1/4" and 3/8" diameter steel threaded rods onto joists, columns and trusses. For all steel and wood Vertigo fasteners, a red Vertigo Socket Driver is recommended to provide proper installation with a screw gun or hammer drill in "rotation only" mode. Concrete Vertigo fasteners should be installed with the appropriate size standard drive sockets and hammer drill or powered impact wrench.



**CODE LISTED**  
ICC-ES ESR-2526  
CRACKED CONCRETE

**CONCRETE VERTIGO+**

CAT. NO.	ROD SIZE	SCREW SHAKE SIZE & LENGTH	FINISH	STD. BOX	STD. CTN.
7180SD*	1/4"	3/8" x 2-1/8"	Yellow Dichromate Finish	100	500
7181SD*	3/8"	3/8" x 2-1/8"	Yellow Dichromate Finish	100	500
7182SD*	1/2"	3/8" x 2-1/8"	Yellow Dichromate Finish	50	250

\* Packed with SDS/Wedge-Bit



**STEEL VERTICAL HANGER**

CAT. NO.	ROD SIZE	SCREW SHAKE SIZE & LENGTH	POINT STYLE	STD. BOX	STD. CTN.
<b>#3 FOR PURLINS</b>					
7155	1/4"	1/4-20 x 1"	#3	100	600
7157	3/8"	1/4-20 x 2"	#3	100	500
7158	3/8"	1/4-20 x 1" (w/nuts)	#3	100	600
7159	3/8"	1/4-20 x 1-1/2"	#3	100	500
7160	3/8"	1/4-20 x 1-1/2" (w/nuts)	#3	100	500
<b>#5 FOR BEAMS</b>					
7152	1/4"	12-20 x 1-1/2"	#5	100	500
7154	3/8"	12-20 x 1-1/2" (w/nuts)	#5	100	500
7161	1/2"	12-20 x 1-1/2" (w/nuts)	#5	100	500



**STEEL SIDE HANGER**

CAT. NO.	ROD SIZE	SCREW SHAKE SIZE & LENGTH	POINT STYLE	STD. BOX	STD. CTN.
<b>#3 FOR PURLINS</b>					
7183	1/4"	1/4-20 x 1"	#3	100	600
7184	3/8"	1/4-20 x 1" (w/nuts)	#3	100	600
7186	3/8"	1/4-20 x 1-1/2" (w/nuts)	#3	100	500
7188	3/8"	1/4-20 x 2" (w/nuts)	#3	100	500
<b>#5 FOR BEAMS</b>					
7200	1/4"	12-20 x 1-1/2"	#5	50	300
7201	3/8"	12-20 x 1-1/2" (w/nuts)	#5	100	600



**WOOD VERTICAL HANGER**

CAT. NO.	ROD SIZE	SCREW SHAKE SIZE & LENGTH	POINT STYLE	STD. BOX	STD. CTN.
7163	1/4"	1/4" x 2"	Type 17	100	500
7203	3/8"	1/4" x 1"	Type 17	100	500
7165	3/8"	1/4" x 2"	Type 17	100	500
7167	3/8"	1/4" x 3"	Type 17	100	500
7169	3/8"	1/4" x 4"	Type 17	100	500
7162	3/8"	5/16" x 2-1/2"	Type 17	100	500
7164	1/2"	5/16" x 2-1/2"	Type 17	100	500



**WOOD SIDE HANGER**

CAT. NO.	ROD SIZE	SCREW SHAKE SIZE & LENGTH	POINT STYLE	STD. BOX	STD. CTN.
7185	1/4"	1/4" x 1"	Type 17	100	500
7205	3/8"	1/4" x 1"	Type 17	100	500
7170	3/8"	1/4" x 2"	Type 17	100	500
7156	3/8"	5/16" x 2-1/2"	Type 17	100	500



**CONCRETE VERTICAL HANGER**

CAT. NO.	ROD SIZE	SCREW SHAKE SIZE & LENGTH	POINT STYLE	STD. BOX	STD. CTN.
7171	1/4"	1/4" x 1-1/4"	ANSI Wedge-Bolt CF thread	100	500
7173	3/8"	1/4" x 1-1/2"	ANSI Wedge-Bolt CF thread	100	500
7175	1/2"	3/8" x 2-3/4"	ANSI Wedge-Bolt CF thread	50	250

For Side-Mount Concrete Applications use Cat. No. 7185 and 7170 with a 3/16" ANSI Drill Bit



### Vertigo Accessories



POLE TOOL				
CAT. NO.	DESCRIPTION	STD. BOX	STD. CTN.	
7166	6'-12' Pole Tool (includes three Jaw Chuck)	1	1	



DRIVER SOCKET				
CAT. NO.	DESCRIPTION	COLOR	STD. BOX	STD. CTN.
7187	Universal Steel & Wood Socket	Red	5	25
7195	1/4" Concrete Socket	Blue	5	25
7197	3/8" Concrete Socket	Blue	5	25
7198	1/2" Concrete Socket	Blue	5	25



VERTIGO TOOL KIT				
CAT. NO.	DESCRIPTION	STD. BOX	STD. CTN.	
5864	Sleeve Assembly (same as cat. #5874) 1/4" and 3/8" blue concrete drive sockets and red universal drive socket	1	10	
5874	Sleeve Assembly	1	-	

CAT. NO.	DESCRIPTION	USABLE LENGTH	STD. BOX	STD. CTN.
5866	1/4" x 6" Hex Shank SDS Drill Bit	4"	1	1/2



**CODE LISTED**  
ICC-ES ESR-3657  
CRACKED CONCRETE

### Bang-It™

Concrete Inserts

**BASE MATERIAL**  
Concrete, Lightweight Concrete

**SIZE RANGE**  
1/4" to 3/4"

**ANCHOR MATERIAL**  
Carbon Steel and Engineered Plastic

Bang-It concrete inserts are designed for installation through pre-drilled metal composite deck (i.e. "pan deck") used to support a newly poured concrete floor or roof slab. Depending upon the size/color chosen, the protective sleeve protrudes below the surface of the deck allowing overhead attachment of steel threaded rod in sizes ranging from 1/4" to 3/4" in diameter. The protective sleeve prevents sprayed fireproofing material and acoustical dampening products from clogging the internal threads of the insert inside, as well as burying, masking or losing the insert location. The unique, six-sided impact plate offers resistance to rotation within the concrete as a steel threaded rod is being installed.

CAT. NO.	DESCRIPTION	PRE-DRILLED HOLE	STD. BOX	STD. CTN.
7540	1/4" Brown Bang-It	13/16"	100	4000
7542	3/8" Green Bang-It	13/16"	100	4000
7544	1/2" Yellow Bang-It	13/16"	100	4000
7546	5/8" Red Bang-It	1-3/16"	50	2400
7548	3/4" Purple Bang-It	1-3/16"	50	2400
7560	Bang-It Deck Driller Extension		1	
7562	13/16" Carbide Hole Saw for 1/4", 3/8" and 1/2"		1	
7564	1-3/16" Carbide Hole Saw for 5/8", 3/4" and 7/8"		1	
7566	Carbide Hole Saw Center Bit		1	



**CODE LISTED**  
ICC-ES ESR-3657  
CRACKED CONCRETE

### Wood-Knocker™

Concrete Inserts

**BASE MATERIAL**  
Concrete, Lightweight Concrete

**SIZE RANGE**  
1/4" to 3/4"

**ANCHOR MATERIAL**  
Carbon Steel and Engineered Plastic

Wood-Knocker concrete inserts are installed onto wooden forms used to support a newly poured concrete floor slabs, roof slabs or walls. When the forms are stripped, the color-coded flange is easily seen embedded in the concrete surface allowing attachment of steel threaded rod or threaded bolts in sizes ranging from 1/4" to 3/4" in diameter. The unique six-sided impact plate offers resistance to rotation within the concrete as a steel threaded rod or threaded bolt is being installed.

CAT. NO.	DESCRIPTION	STD. BOX	STD. CTN.
7550	1/4" Brown Wood Knocker	200	9600
7552	3/8" Green Wood Knocker	200	9600
7554	1/2" Yellow Wood Knocker	200	9600
7556	5/8" Red Wood Knocker	150	6000
7558	3/4" Purple Wood Knocker	150	6000
7567	1/2" Coil Thread Wood Knocker	200	9600



### Spike®

Pre-Expanded Anchor

**BASE MATERIAL**  
Concrete, Block

**SIZE RANGE**  
3/16" x 1" to 1/2" x 6-1/2"

**ANCHOR MATERIAL**  
Carbon Steel and Type 316 Stainless Steel

The Spike anchor is a patented, one-piece, tamper-proof anchor for use in concrete, block, brick or stone. Several head styles are available and offered in carbon and type 316 stainless steel. The Spike anchor is formed with an "s" shaped configuration at the working end of the anchor to create an expansion mechanism. Since the anchor is pre-expanded, there is no secondary tightening operation.

MUSHROOM HEAD GRADE 8 J CARBON STEEL SPIKE					
CAT. NO.	SIZE	DRILL DIA.	MIN. THICK.	STD. BOX	STD. CTN.
5502	3/16" x 1"	3/16"	7/8"	100	1000
5503	3/16" x 1-1/4"	3/16"	7/8"	100	1000
5504	3/16" x 1-1/2"	3/16"	1-1/4"	100	1000
5506	3/16" x 2"	3/16"	1-1/4"	100	1000
5508	3/16" x 2-1/2"	3/16"	1-1/4"	100	600
5510	3/16" x 3"	3/16"	1-1/4"	100	600
5511	3/16" x 3-1/2"	3/16"	1-1/4"	100	600
5512	3/16" x 4"	3/16"	1-1/4"	100	600
5522	1/4" x 1"	1/4"	7/8"	100	1000
5523	1/4" x 1-1/4"	1/4"	1"	100	1000
5524	1/4" x 1-1/2"	1/4"	1-1/4"	100	1000
5526	1/4" x 2"	1/4"	1-1/4"	100	600
5528	1/4" x 2-1/2"	1/4"	1-1/4"	100	600
5530	1/4" x 3"	1/4"	1-1/4"	100	600
5531	1/4" x 3-1/2"	1/4"	1-1/4"	100	600
5532	1/4" x 4"	1/4"	1-1/4"	100	600
5546	3/8" x 2"	3/8"	1-3/4"	25	250

CAT. NO.	SIZE	DRILL DIA.	MIN. EMBED.	STD. BOX	STD. CTN.
5548	3/8" x 2-1/2"	3/8"	1-3/4"	25	150
5550	3/8" x 3"	3/8"	1-3/4"	25	150
5551	3/8" x 3-1/2"	3/8"	1-3/4"	25	150
5552	3/8" x 4"	3/8"	1-3/4"	25	150
5554	3/8" x 5"	3/8"	1-3/4"	25	150
5556	3/8" x 6"	3/8"	1-3/4"	25	125
5569	1/2" x 2-3/4"	1/2"	2-1/2"	50	200
5571	1/2" x 3-1/2"	1/2"	2-1/2"	50	150
5572	1/2" x 4"	1/2"	2-1/2"	25	125
5574	1/2" x 5"	1/2"	2-1/2"	25	125
5577	1/2" x 6-1/2"	1/2"	2-1/2"	25	100

The published length is measured from below the head to the end of the anchor.



#### FLAT HEAD GRADE 8.2 CARBON STEEL SPIKE

CAT. NO.	SIZE	DRILL DIA.	MIN. EMBED.	STD. BOX	STD. CTN.
5608	3/16" x 2-1/2"	3/16"	1-1/4"	100	600
5610	3/16" x 3"	3/16"	1-1/4"	100	600
5612	3/16" x 4"	3/16"	1-1/4"	100	600
5624	1/4" x 1-1/2"	1/4"	1-1/4"	100	1000
5626	1/4" x 2"	1/4"	1-1/4"	100	600
5628	1/4" x 2-1/2"	1/4"	1-1/4"	100	600
5630	1/4" x 3"	1/4"	1-1/4"	100	600
5631	1/4" x 3-1/2"	1/4"	1-1/4"	100	600
5632	1/4" x 4"	1/4"	1-1/4"	100	500

The published length is the overall length of the anchor.

#### MUSHROOM HEAD TYPE 316 STAINLESS STEEL SPIKE

CAT. NO.	SIZE	DRILL DIA.	MIN. EMBED.	STD. BOX	STD. CTN.
6602	3/16" x 1"	3/16"	7/8"	100	1000
6603	3/16" x 1-1/4"	3/16"	7/8"	100	1000
6604	3/16" x 1-1/2"	3/16"	1-1/4"	100	1000
6606	3/16" x 2"	3/16"	1-1/4"	100	1000
6623	1/4" x 1-1/4"	1/4"	1"	100	1000
6624	1/4" x 1-1/2"	1/4"	1-1/4"	100	1000
6626	1/4" x 2"	1/4"	1-1/4"	100	600
6628	1/4" x 2-1/2"	1/4"	1-1/4"	100	600
6630	1/4" x 3"	1/4"	1-1/4"	100	600
6646	3/8" x 2"	3/8"	1-3/4"	25	250
6648	3/8" x 2-1/2"	3/8"	1-3/4"	25	250
6650	3/8" x 3"	3/8"	1-3/4"	25	250

The published length is measured from below the head to the end of the anchor.

## Special Application Spike® Anchors



#### ROD HANGING PIPE SPIKE GRADE 8.2 CARBON STEEL

CAT. NO.	SIZE	DRILL DIA.	MIN. EMBED.	STD. BOX	STD. CTN.
3755	1/4"	3/16"	1-1/4"	100	600
3758	3/8"	1/4"	1-3/4"	50	300



#### SUSPENDED CERAMIC TIE-WIRE SPIKE GRADE 8.2 CARBON STEEL

CAT. NO.	SIZE	DRILL DIA.	MIN. EMBED.	TIE-WIRE HOLE SIZE	STD. BOX	STD. CTN.
3756	3/16"	3/16"	1-1/4"	3/16"	100	600
3759	1/4"	1/4"	1-1/4"	9/32"	100	600



#### CONCRETE FORMING FORMING SPIKE GRADE 8.2 CARBON STEEL

CAT. NO.	ANCHOR SIZE	DRILL DIA.	MIN. EMBED.	STD. BOX	STD. CTN.
3795	3/16" x 1-1/2"	3/16"	1-1/4"	100	600
3796	3/16" x 2"	3/16"	1-1/4"	100	600
3797	3/16" x 2-3/4"	3/16"	1-1/4"	100	600
3794	1/4" x 2-3/4"	1/4"	1-1/4"	100	500

While the Spike anchor can easily be installed using a hammer, a specially designed series of drivers and manual tools provide a fast, easy to use method for installation into concrete and masonry materials. The tools allow Spike anchors to be installed in confined areas and prevent damage to the fixture from stray hammer blows.



#### SPIKE INSTALLATION TOOLS

CAT. NO.	TOOL DESCRIPTION	TP. DIA.	STD. BOX
3790	Spike Driver 1000	1/2"	1
3791	Spike Driver 2000	1/2"	1



#### PIPE SPIKE TOOL

CAT. NO.	TOOL DESCRIPTION	TP. DIA.	STD. BOX
3760	Pipe Spike Setting Tool	5/16"	1

## DRIVE®

### Split Pin Type Pre-Expander Anchor

#### BASE MATERIAL

Concrete

#### SIZE RANGE

3/16" x 1-1/2" to 1/2" x 3"

#### ANCHOR MATERIAL

Carbon Steel

The Drive is a one piece tamper-proof, pre-expanded anchor available in carbon steel for use in concrete and stone. Tie-Wire Drive anchors are used for suspended ceiling applications. The flat head (counter-sunk) style is particularly suited for wood-to-concrete anchoring. The round head style is for all other applications requiring fast, permanent installations.



#### ROUND HEAD DRIVE

CAT. NO.	SIZE	DRILL DIA.	MIN. EMBED.	STD. BOX	STD. CTN.
3211	1/4" x 1-1/4"	1/4"	1-1/8"	100	1000
3241	1/4" x 1-1/2"	1/4"	1-1/8"	100	1000
3271	1/4" x 2"	1/4"	1-1/8"	100	600
3301	1/4" x 2-1/2"	1/4"	1-1/8"	100	600
3601	3/8" x 2"	3/8"	1-7/8"	25	250
3631	3/8" x 2-1/2"	3/8"	1-7/8"	25	150
3691	3/8" x 3-1/2"	3/8"	1-7/8"	25	150
3781	1/2" x 3"	1/2"	2-5/8"	25	150





FLAT HEAD DRIVE					
CAT. NO.	SIZE	DRILL DIA.	MIN. DEPTH	STD. BOX	STD. CTN.
3092	3/16" x 1-1/2"	3/16"	7/8"	100	1000
3122	3/16" x 2"	3/16"	7/8"	100	1000
3152	3/16" x 2-1/2"	3/16"	7/8"	100	600
3162	3/16" x 3"	3/16"	7/8"	100	600
3242	1/4" x 1-1/2"	1/4"	1-1/8"	100	1000
3272	1/4" x 2"	1/4"	1-1/8"	100	600
3302	1/4" x 2-1/2"	1/4"	1-1/8"	100	600
3332	1/4" x 3"	1/4"	1-1/8"	100	600
3362	1/4" x 3-1/2"	1/4"	1-1/8"	100	600
3392	1/4" x 4"	1/4"	1-1/8"	100	600



TIE-WIRE DRIVE (1/16" TIE-WIRE HOLE)					
CAT. NO.	SIZE	DRILL DIA.	MIN. DEPTH	STD. BOX	STD. CTN.
3244	1/4" x 1-3/4"	1/4"	1-1/8"	500	-
3245	1/4" x 1-3/4"	1/4"	1-1/8"	100	1000

### Zamac Hammer-Screw® Anchor

Nail Anchor

BASE MATERIAL

Concrete, Block, Brick, Stone

SIZE RANGE

1/4" x 3/4" to 1/4" x 3"

ANCHOR MATERIAL

Zamac Alloy with Carbon Steel and Perma-Seal Drive Screw

The Zamac Hammer-Screw is a unique, one-step drive anchor featuring a Phillips type head and an internal screw thread for use in concrete, block, brick or stone. The anchor has a body formed from corrosion resistant Zamac alloy with a carbon steel drive screw, and has been developed as an improvement over standard nailin anchors. The anchor is removable and is also offered with an optional Perma-Seal coated screw.



ZAMAC HAMMER-SCREW - MUSHROOM HEAD / NO. 2 PHILLIPS TYPE SCREW CARBON STEEL					
CAT. NO.	SIZE	DRILL DIA.	STD. BOX	STD. CTN.	
2839	1/4" x 3/4"	1/4"	100	500	
2840	1/4" x 1"	1/4"	100	500	
2842	1/4" x 1-1/4"	1/4"	100	500	
2844	1/4" x 1-1/2"	1/4"	100	500	
2846	1/4" x 2"	1/4"	100	500	
2848	1/4" x 2-1/4"	1/4"	100	500	
2850	1/4" x 3"	1/4"	100	500	

MASTER PACK WITH CARBON STEEL SCREW					
CAT. NO.	SIZE	DRILL DIA.	STD. BOX	STD. CTN.	
2939	1/4" x 3/4"	1/4"	1000	1000	
2940	1/4" x 1"	1/4"	1000	1000	
2942	1/4" x 1-1/4"	1/4"	1000	1000	
2944	1/4" x 1-1/2"	1/4"	1000	1000	
2946	1/4" x 2"	1/4"	1000	1000	
2948	1/4" x 2-1/4"	1/4"	1000	1000	
2949	1/4" x 3"	1/4"	1000	1000	

ZAMAC HAMMER-SCREW - MUSHROOM HEAD WITH NO. 2 PHILLIPS TYPE PERMA-SEAL SCREW					
CAT. NO.	SIZE	DRILL DIA.	STD. BOX	STD. CTN.	
2817	1/4" x 1-1/4"	1/4"	100	500	

MASTER PACK WITH PERMA-SEAL SCREW					
CAT. NO.	SIZE	DRILL DIA.	STD. BOX	STD. CTN.	
2818	1/4" x 1-1/4"	1/4"	1000	1000	



### Safe-T+ Pin®

Nail Anchor

BASE MATERIAL

Concrete, Block, Brick, Stone

SIZE RANGE

1/4" x 1-3/8" and 1/4" x 2-1/2"

ANCHOR MATERIAL

Carbon Steel

The new Powers Safe-T+ Pin is a one piece, all steel, nail drive anchor that can be used in concrete, block, brick or stone. Each box of Safe-T+ pins comes with a 6MM SDS carbide drill bit for ease of installation. Typical applications include HVAC Duct Straps, light to medium duty signage, and termination bar, flooring ECT. Available in 1 diameter and two lengths. Just drill a hole and hammer it in.

SAFE-T+ PIN					
CAT. NO.	SIZE	DRILL DIA.	STD. BOX	STD. CTN.	
2800SD	6mm (1/4") x 1-3/8"	6mm	100	600	
2801SD	6mm (1/4") x 2-1/2"	6mm	100	600	



SAFE-T+ PIN DRILL BIT					
CAT. NO.	DESCRIPTION	DIAM.	USAGE LENGTH	STD. BOX	STD. CTN.
2800	Drill Bit	6mm	3-1/4"	1	50

### Zamac Nailin® Anchor

Drive Pin Type Anchor

BASE MATERIAL

Concrete, Block, Brick, Stone

SIZE RANGE

3/16" x 7/8" to 1/4" x 3"

ANCHOR MATERIAL

Zamac Alloy with Carbon or Stainless Steel Drive Pin

The Zamac Nailin 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.



MUSHROOM HEAD ZAMAC NAILIN - CARBON STEEL NAIL					
CAT. NO.	SIZE	DRILL DIA.	STD. BOX	STD. CTN.	
2802	3/16" x 7/8"	3/16"	100	500	
2806	1/4" x 3/4"	1/4"	100	500	
2808	1/4" x 1"	1/4"	100	50	
2814	1/4" x 1-1/4"	1/4"	100	500	
2820	1/4" x 1-1/2"	1/4"	100	500	
2826	1/4" x 2"	1/4"	100	500	
2804	1/4" x 3"	1/4"	100	500	

MASTER PACK					
CAT. NO.	SIZE	DRILL DIA.	STD. BOX	STD. CTN.	
2803	3/16" x 7/8"	3/16"	1000	1000	
2807	1/4" x 3/4"	1/4"	1000	1000	
2809	1/4" x 1"	1/4"	1000	1000	
2815	1/4" x 1-1/4"	1/4"	1000	1000	
2821	1/4" x 1-1/2"	1/4"	1000	1000	
2827	1/4" x 2"	1/4"	1000	1000	
2805	1/4" x 3"	1/4"	1000	1000	



FLAT HEAD ZAMAC NAILIN - CARBON STEEL NAIL				
CAT. NO.	SIZE	DRILL DIA.	STD. BOX	STD. CTN.
2836	1/4" x 1-1/2"	1/4"	100	500
2838	1/4" x 2"	1/4"	100	500



MUSHROOM HEAD ZAMAC NAILIN - STAINLESS STEEL NAIL				
CAT. NO.	SIZE	DRILL DIA.	STD. BOX	STD. CTN.
2858	1/4" x 1"	1/4"	100	500
2864	1/4" x 1-1/4"	1/4"	100	500
2870	1/4" x 1-1/2"	1/4"	100	500
2876	1/4" x 2"	1/4"	100	500



MUSHROOM HEAD NYLON NAILIN STAINLESS STEEL NAIL				
CAT. NO.	SIZE	DRILL DIA.	STD. BOX	STD. CTN.
2528	1/4" x 1"	1/4"	100	1000
2548	1/4" x 1-1/2"	1/4"	100	1000



MUSHROOM HEAD BODIES ONLY				
CAT. NO.	SIZE	DRILL DIA.	STD. BOX	STD. CTN.
2574	1/4" x 3"	1/4"	2500	2500

## Nylon Nailin® Anchor

Plastic Drive Pin Type Anchor

BODY MATERIAL

Concrete, Block, Brick, Stone

SIZE RANGE

3/16" x 1" to 1/4" x 6"

ANCHOR MATERIAL

Engineered Nylon with Carbon or Stainless Steel Drive Pin

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, brick or stone.



ROUND HEAD NYLON NAILIN - CARBON STEEL NAIL				
CAT. NO.	SIZE	DRILL DIA.	STD. BOX	STD. CTN.
2431	3/16" x 1"	3/16"	100	1000
2451	3/16" x 1-1/2"	3/16"	100	1000
2521	1/4" x 1"	1/4"	100	1000
2541	1/4" x 1-1/2"	1/4"	100	1000



FLAT HEAD NYLON NAILIN - CARBON STEEL NAIL				
CAT. NO.	SIZE	DRILL DIA.	STD. BOX	STD. CTN.
2542	1/4" x 1-1/2"	1/4"	100	1000
2562	1/4" x 2"	1/4"	100	1000



MUSHROOM HEAD NYLON NAILIN CARBON STEEL NAIL				
CAT. NO.	SIZE	DRILL DIA.	STD. BOX	STD. CTN.
2433	3/16" x 1"	3/16"	100	1000
2513	1/4" x 3/4"	1/4"	100	1000
2523	1/4" x 1"	1/4"	100	1000
2543	1/4" x 1-1/2"	1/4"	100	1000
2563	1/4" x 2"	1/4"	100	1000
2573	1/4" x 3"	1/4"	100	1000
2583	1/4" x 4"	1/4"	100	1000