



## Expansion Sleeve Anchor

### Load Capacity - Ceiling Mounted/Concrete

192 kg	273 kg	532 kg	667 kg
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### Load Capacity - Wall Mounted/Concrete

227 kg	341 kg	587 kg	1 143 kg
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### Compatible Materials

Concrete / Block	Concrete / Block / Brick
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### Diameter

5/16 in	3/8 in	1/2 in	5/8 in
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### Drill Bit

1/8 in	5/16 in	3/8 in	1/2 in	5/8 in
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### Bolt Size

1/4 in	5/16 in	3/8 in	1/2 in
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### Finish

Stainless Steel	Zinc
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### Length

1 1/2 in	1 7/8 in	2 1/4 in	2 1/2 in	3 in
4 in	4 1/4 in	6 in		

### Minimum Embedment

1-1/2"	1-7/8"	2-1/4"
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### Shear Point

1,560 lb*	10,090 lb	2,007 lb	2,580 lb*	3,015 lb
4,800 lb*	5,180 lb	5,182 lb	7,820 lb*	

### Material

Stainless Steel 18/8	Steel
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### Tensile

1,698 lb*	1,980 lb*	2,410 lb*	3,120 lb*	4,695 lb*
4,800 lb*	4,880 lb*	5,885 lb*	6,600 lb*	

### Packaging format

Blister of 2 units	Blister of 4 units	Box of 10	Box of 12	Box of 15
		Box of 15	Box of 20	Box of 25
Box of 50	Box of 70	Box of 100	Box of 130	Box of 150
Box of 200	Box of 250	Box of 300	Box of 350	Box of 600
Box of 700	Box of 1000			

### DESCRIPTION

These anchor sleeves for heavy-duty applications can be used in a variety of base materials, including concrete, brick, and block.

### AVAILABLE PRODUCTS

Product #	Load Capacity - Ceiling Mounted/Concrete	Load Capacity - Wall Mounted/Concrete	Compatible Materials	Diameter	Drill Bit	Bolt Size	Finish	Length	Minimum Embedment	Shear Point	Material	Tensile	Packaging format
<b>SA516112J</b>	192 kg	227 kg	Concrete / Block	5/16 in	5/16 in	1/4 in	Zinc	1 1/2 in	1-1/2"	2,007 lb	Steel	1,698 lb*	Box of 50
<b>SA516112</b>	192 kg	227 kg	Concrete / Block	5/16 in	5/16 in	1/4 in	Zinc	1 1/2 in	1-1/2"	2,007 lb	Steel	1,698 lb*	Box of 1000
<b>SA516212J</b>	192 kg	227 kg	Concrete / Block	5/16 in	5/16 in	1/4 in	Zinc	2 1/2 in	1-1/2"	2,007 lb	Steel	1,698 lb*	Box of 50
<b>SA516212</b>	192 kg	227 kg	Concrete / Block	5/16 in	5/16 in	1/4 in	Zinc	2 1/2 in	1-1/2"	2,007 lb	Steel	1,698 lb*	Box of 600
<b>SA516112MK</b>	192 kg	227 kg	Concrete / Block / Brick	5/16 in	5/16 in	1/4 in	Zinc	1 1/2 in	1-1/2"	1,560 lb*	Steel	1,980 lb*	Blister of 4 units
<b>SA516112VA</b>	192 kg	227 kg	Concrete / Block / Brick	5/16 in	5/16 in	1/4 in	Zinc	1 1/2 in	1-1/2"	1,560 lb*	Steel	1,980 lb*	Box of 20
<b>SA516212MK</b>	192 kg	227 kg	Concrete / Block / Brick	5/16 in	5/16 in	1/4 in	Zinc	2 1/2 in	1-1/2"	1,560 lb*	Steel	1,980 lb*	Blister of 4 units
<b>SA516212VA</b>	192 kg	227 kg	Concrete / Block / Brick	5/16 in	5/16 in	1/4 in	Zinc	2 1/2 in	1-1/2"	1,560 lb*	Steel	1,980 lb*	Box of 20
<b>SA38178J</b>	273 kg	341 kg	Concrete / Block	3/8 in	3/8 in	5/16 in	Zinc	1 7/8 in	1-7/8"	3,015 lb	Steel	2,410 lb*	Box of 25
<b>SA38178</b>	273 kg	341 kg	Concrete / Block	3/8 in	3/8 in	5/16 in	Zinc	1 7/8 in	1-7/8"	3,015 lb	Steel	2,410 lb*	Box of 700
<b>SA383J</b>	273 kg	341 kg	Concrete / Block	3/8 in	3/8 in	5/16 in	Zinc	3 in	1-7/8"	3,015 lb	Steel	2,410 lb*	Box of 25
<b>SA383HP</b>	273 kg	341 kg	Concrete / Block	3/8 in	3/8 in	5/16 in	Zinc	3 in	1-7/8"	3,015 lb	Steel	2,410 lb*	Box of 200
<b>SA383</b>	273 kg	341 kg	Concrete / Block	3/8 in	3/8 in	5/16 in	Zinc	3 in	1-7/8"	3,015 lb	Steel	2,410 lb*	Box of 350
<b>SAS383</b>	273 kg	341 kg	Concrete / Block / Brick	3/8 in	3/8 in	5/16 in	Stainless Steel	3 in	1-7/8"	2,580 lb*	Stainless Steel 18/8	3,120 lb*	Box of 350
<b>SA38178MK</b>	273 kg	341 kg	Concrete / Block / Brick	3/8 in	3/8 in	5/16 in	Zinc	1 7/8 in	1-7/8"	2,580 lb*	Steel	3,120 lb*	Blister of 2 units
<b>SA38178VA</b>	273 kg	341 kg	Concrete / Block / Brick	3/8 in	3/8 in	5/16 in	Zinc	1 7/8 in	1-7/8"	2,580 lb*	Steel	3,120 lb*	Box of 15
<b>SA383MK</b>	273 kg	341 kg	Concrete / Block / Brick	3/8 in	3/8 in	5/16 in	Zinc	3 in	1-7/8"	2,580 lb*	Steel	3,120 lb*	Blister of 2 units
<b>SA383VA</b>	273 kg	341 kg	Concrete / Block / Brick	3/8 in	3/8 in	5/16 in	Zinc	3 in	1-7/8"	2,580 lb*	Steel	3,120 lb*	Box of 12

Product #	Load Capacity - Ceiling Mounted/Concrete	Load Capacity - Wall Mounted/Concrete	Compatible Materials	Diameter	Drill Bit	Bolt Size	Finish	Length	Minimum Embedment	Shear Point	Material	Tensile	Packaging format
<b>SA384MK</b>	273 kg	341 kg	Concrete / Block / Brick	3/8 in	3/8 in	5/16 in	Zinc	4 in	1-7/8"	2,580 lb*	Steel	3,120 lb*	Blister of 2 units
<b>SA384VA</b>	273 kg	341 kg	Concrete / Block / Brick	3/8 in	3/8 in	5/16 in	Zinc	4 in	1-7/8"	2,580 lb*	Steel	3,120 lb*	Box of 12
<b>SA384</b>	273 kg	341 kg	Concrete / Block / Brick	3/8 in	3/8 in	5/16 in	Zinc	4 in	1-7/8"	2,580 lb*	Steel	3,120 lb*	Box of 300
<b>SAS383CT</b>	273 kg	341 kg	Concrete / Block / Brick	3/8 in	3/8 in	5/16 in	Stainless Steel	3 in	1-7/8"	2,580 lb*	Stainless Steel 18/8	3,120 lb*	Box of 25
<b>SAS123CT</b>	532 kg	587 kg	Concrete / Block	1/2 in	1/8 in	3/8 in	Stainless Steel	3 in	2-1/4"	5,180 lb	Stainless Steel 18/8	4,695 lb*	Box of 25
<b>SAS123</b>	532 kg	587 kg	Concrete / Block	1/2 in	1/2 in	3/8 in	Stainless Steel	3 in	2-1/4"	5,180 lb	Stainless Steel 18/8	4,695 lb*	Box of 200
<b>SAS126CT</b>	532 kg	587 kg	Concrete / Block	1/2 in	1/2 in	3/8 in	Stainless Steel	6 in	2-1/4"	5,180 lb	Stainless Steel 18/8	4,695 lb*	Box of 15
<b>SAS126</b>	532 kg	587 kg	Concrete / Block	1/2 in	1/2 in	3/8 in	Stainless Steel	6 in	2-1/4"	5,182 lb	Stainless Steel 18/8	4,695 lb*	Box of 150
<b>SA12214J</b>	532 kg	587 kg	Concrete / Block	1/2 in	1/2 in	3/8 in	Zinc	2 1/4 in	2-1/4"	5,180 lb	Steel	4,695 lb*	Box of 25
<b>SA12214</b>	532 kg	587 kg	Concrete / Block	1/2 in	1/2 in	3/8 in	Zinc	2 1/4 in	2-1/4"	5,180 lb	Steel	4,695 lb*	Box of 250
<b>SA123J</b>	532 kg	587 kg	Concrete / Block	1/2 in	1/2 in	3/8 in	Zinc	3 in	2-1/4"	5,180 lb	Steel	4,695 lb*	Box of 25
<b>SA123HP</b>	532 kg	587 kg	Concrete / Block	1/2 in	1/2 in	3/8 in	Zinc	3 in	2-1/4"	5,180 lb	Steel	4,695 lb*	Box of 150
<b>SA123</b>	532 kg	587 kg	Concrete / Block	1/2 in	1/2 in	3/8 in	Zinc	3 in	2-1/4"	5,180 lb	Steel	4,695 lb*	Box of 200
<b>SA124CT</b>	532 kg	587 kg	Concrete / Block	1/2 in	1/2 in	3/8 in	Zinc	4 in	2-1/4"	5,180 lb	Steel	4,695 lb*	Box of 15
<b>SA124J</b>	532 kg	587 kg	Concrete / Block	1/2 in	1/2 in	3/8 in	Zinc	4 in	2-1/4"	5,180 lb	Steel	4,695 lb*	Box of 20
<b>SA124HP</b>	532 kg	587 kg	Concrete / Block	1/2 in	1/2 in	3/8 in	Zinc	4 in	2-1/4"	5,180 lb	Steel	4,695 lb*	Box of 100
<b>SA124</b>	532 kg	587 kg	Concrete / Block	1/2 in	1/2 in	3/8 in	Zinc	4 in	2-1/4"	5,180 lb	Steel	4,695 lb*	Box of 200
<b>SA126CT</b>	532 kg	587 kg	Concrete / Block	1/2 in	1/2 in	3/8 in	Zinc	6 in	2-1/4"	5,180 lb	Steel	4,695 lb*	Box of 15
<b>SA126J</b>	532 kg	587 kg	Concrete / Block	1/2 in	1/2 in	3/8 in	Zinc	6 in	2-1/4"	5,180 lb	Steel	4,695 lb*	Box of 20
<b>SA126</b>	532 kg	587 kg	Concrete / Block	1/2 in	1/2 in	3/8 in	Zinc	6 in	2-1/4"	5,180 lb	Steel	4,695 lb*	Box of 150
<b>SAS124CT</b>	532 kg	587 kg	Concrete / Block	1/2 in	1/2 in	1/2 in	Stainless Steel	4 in	2-1/4"	5,180 lb	Stainless Steel 18/8	4,695 lb*	Box of 15
<b>SA12214MK</b>	532 kg	587 kg	Concrete / Block / Brick	1/2 in	1/2 in	3/8 in	Zinc	2 1/4 in	2-1/4"	4,800 lb*	Steel	4,880 lb*	Blister of 2 units
<b>SA12214VA</b>	532 kg	587 kg	Concrete / Block / Brick	1/2 in	1/2 in	3/8 in	Zinc	2 1/4 in	2-1/4"	4,800 lb*	Steel	4,880 lb*	Box of 10
<b>SA123MK</b>	532 kg	587 kg	Concrete / Block / Brick	1/2 in	1/2 in	3/8 in	Zinc	3 in	2-1/4"	4,800 lb*	Steel	4,880 lb*	Blister of 2 units
<b>SA123VA</b>	532 kg	587 kg	Concrete / Block / Brick	1/2 in	1/2 in	3/8 in	Zinc	3 in	2-1/4"	4,800 lb*	Steel	4,880 lb*	Box of 10

Product #	Load Capacity - Ceiling Mounted/Concrete	Load Capacity - Wall Mounted/Concrete	Compatible Materials	Diameter	Drill Bit	Bolt Size	Finish	Length	Minimum Embedment	Shear Point	Material	Tensile	Packaging format
<b>SA124VA</b>	532 kg	587 kg	Concrete / Block / Brick	1/2 in	1/2 in	3/8 in	Zinc	4 in	2-1/4"	4,800 lb*	Steel	4,800 lb*	Box of 10
<b>SA124MK</b>	532 kg	587 kg	Concrete / Block / Brick	1/2 in	1/2 in	3/8 in	Zinc	4 in	2-1/4"	4,800 lb*	Steel	4,880 lb*	Blister of 2 units
<b>SA126MK</b>	532 kg	587 kg	Concrete / Block / Brick	1/2 in	1/2 in	3/8 in	Zinc	6 in	2-1/4"	4,800 lb*	Steel	4,800 lb*	Blister of 2 units
<b>SA58214J</b>	667 kg	1 143 kg	Concrete / Block	5/8 in	5/8 in	1/2 in	Zinc	2 1/4 in	2-1/4"	10,090 lb	Steel	5,885 lb*	Box of 15
<b>SA58214</b>	667 kg	1 143 kg	Concrete / Block	5/8 in	5/8 in	1/2 in	Zinc	2 1/4 in	2-1/4"	10,090 lb	Steel	5,885 lb*	Box of 150
<b>SA58414J</b>	667 kg	1 143 kg	Concrete / Block	5/8 in	5/8 in	1/2 in	Zinc	4 1/4 in	2-1/4"	10,090 lb	Steel	5,885 lb*	Box of 10
<b>SA58414</b>	667 kg	1 143 kg	Concrete / Block	5/8 in	5/8 in	1/2 in	Zinc	4 1/4 in	2-1/4"	10,090 lb	Steel	5,885 lb*	Box of 130
<b>SA586J</b>	667 kg	1 143 kg	Concrete / Block	5/8 in	5/8 in	1/2 in	Zinc	6 in	2-1/4"	10,090 lb	Steel	5,885 lb*	Box of 10
<b>SA586</b>	667 kg	1 143 kg	Concrete / Block	5/8 in	5/8 in	1/2 in	Zinc	6 in	2-1/4"	10,090 lb	Steel	5,885 lb*	Box of 70
<b>SA58414MK</b>	667 kg	1 143 kg	Concrete / Block / Brick	5/8 in	5/8 in	1/2 in	Zinc	4 1/4 in	2-1/4"	7,820 lb*	Steel	6,600 lb*	Blister of 2 units

## TECHNICAL SPECIFICATIONS

<b>Mounting Location</b>	Wall, Ceiling
<b>Brand</b>	Reliable
<b>Specific Application</b>	Concrete, Glass Railing

## IMPORTANT INFORMATION

\* As a safety factor, industry standards recommend using 25% of the maximum load. Maximum load in 3000 PSI concrete.

## PRODUCT PHOTOS

