



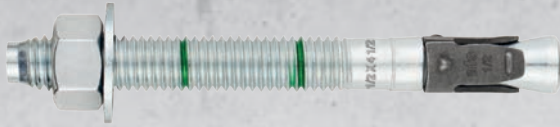
# HEAVY DUTY MECHANICAL ANCHORS





# HEAVY DUTY MECHANICAL

## Sure-Wedge™ ICC-ES Listed



Aerosmith's Sure Wedge™ are torque-controlled, mechanical expansion anchors consisting of an anchor body, expansion clip, nut and washer. The anchor body has a tapered mandrel formed on the installed end of the anchor and a threaded section at the opposite end. Suitable base materials include, normal weight concrete and lightweight concrete. The anchors are used to resist static; wind and seismic tension and shear loads in cracked and uncracked normal weight and lightweight concrete having a specific compressive strength of 2500 PSI to 8500 PSI. The anchor is manufactured with a zinc plated carbon steel body and sherardized clip that wraps around the mandrel, rotating freely before installation.

## Wedge Anchor Carbon Steel



Aerosmith's Wedge Anchor is a threaded, torque-controlled, carbon steel or stainless-steel wedge expansion anchor. It is designed for consistent performance in solid concrete or grout filled concrete masonry. The anchor is made of a carbon steel body and expansion clip or a stainless-steel body and expansion clip. Anchor is driven into pre-drilled hole which is the same diameter of the anchor body. Threaded studs are then set by tightening the nut to the required torque value for optimum performance. To help identify the length of an installed anchor, an identification code has been developed. A letter is stamped on the end of the threaded portion of the anchor so that the length can be easily determined after installation. This letter corresponds to the overall length of the anchor (in inches).

## Wedge Anchor 304 SS



The Aerosmith Wedge Anchor type 304 Stainless Steel is a threaded, torque-controlled, stainless steel wedge expansion anchor. It is designed for consistent performance in normal and lightweight concrete. The anchor body, clip, nut and washer are made of 304 Stainless Steel. Drill same diameter hole into concrete as the anchor body and drive anchor through fixture into pre-drilled hole, tighten to required torque value.

## Wedge Anchor 316 SS



The Aerosmith Wedge Anchor grade 316 Stainless Steel is a threaded, torque-controlled, stainless steel wedge expansion anchor and is designed for consistent performance in concrete. The anchor, clip, nut and washer are made of Type 316 Stainless Steel. Drill same diameter hole into concrete as the anchor body and drive anchor through fixture into pre-drilled hole.

## Sure-Bolt™ ICC-ES Listed



The Aerosmith Sure Bolt™ is a one-piece, heavy duty screw anchor with a finished hex head. The anchor is manufactured from carbon steel and is heat treated. The Sure-Bolt™ is available in a variety of sizes from 1/4 to 3/4 inch. The hex head diameter is larger than the diameter of the anchor and is formed with serrations on the underside. The anchor can be installed in a pre-drilled hole with a powered impact wrench or a torque wrench. The anchor threads cut into concrete on the sides of the hole and interlock with the base material during the installation. Once installed they are easily identifiable by head markings with ASF on the head. Suitable base materials include normal weight concrete and lightweight concrete. The anchor is designed for consistent and reliable performance in cracked and uncracked concrete.

## Sleeve Anchor Carbon Steel

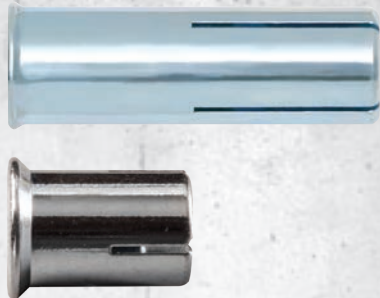


The Aerosmith Sleeve Anchor is an all-steel pre-assembled anchor that can be used in a variety of solid base materials. Most popular base materials include concrete and masonry. They are available in multiple head styles, such as, hex nut, acorn nut and flat head to give you the finished appearance for your specific application. Simply drill the same diameter hole as the anchor and install anchor through fixture and then tighten to required torque specification.



# AND EXPANSION ANCHORS

## Drop-ins



The Aerosmith Drop-in is a machine type bolt anchor available in 304 and 316 SS as well as carbon steel. The body is internally threaded for use in flush mount applications and solid base materials. Aerosmith also offers a coil thread version for concrete forming applications available in both 1/2" and 3/4" diameters. A shallow embedment drop-in is also available which is made from carbon steel and can be used in solid concrete, hollow concrete, plank, hardstone and solid brick. Typical applications include hanging threaded rod overhead. Installation is easy. Pre-drill a hole using the proper diameter for the anchor, tap anchor into pre-drilled hole until flush with base material. Use the appropriate setting tool to properly set the anchor and hammer the back of the setting tool until neck is flush with the top of the anchor. Put fixture in place and insert the machine bolt and tighten to the required torque. If using overhead, insert threaded rod to the minimal thread engagement which should be equal to the nominal diameter of the threaded insert. This product can be used in overhead applications.

## Double Expansion Anchors



Double Expansion Anchors can be used in solid concrete, brick, block and stone. The double expansion anchor is made of die cast Zamac alloy and is corrosive resistant. Although the product can be used in many base materials it is sometimes used in questionable materials because it expands against the concrete at two points. Sizes are available from 1/4" to 3/4" diameters. Drill the proper diameter hole to the specified embedment, tap anchor into pre-drilled hole until flush. Put fixture in place and insert machine bolt. Tighten to require torque to properly set the anchor. This product is not recommended for overhead applications.

## Single Expansion Anchors



The Single Expansion Anchor can be used in concrete, block, brick and stone. The anchor consists of a set of expansion shields and an expander cone. The product is manufactured from zinc alloy. As the anchor is tightened, the cone gets drawn into the expansion shield which compresses them against the base material. This product is not recommended in overhead applications.

## Lag Shields



The Aerosmith Lag Shield can be used to anchor into a variety of base materials such as concrete, brick and grout filled block. Although best suited for light to medium duty fastening, lag shield anchors are available in 1/4", 5/16", 3/8", 1/2", 5/8" diameters, and are available in both short and long versions. The short version is typically used on harder base materials while the longer lag shield are typically used on softer base materials where more embedment is required. Lag shields are made from zinc which enables them to be used in many different environmental conditions. To set, drill the proper size hole, tap lag shield into the base material, put fixture in place and thread machine bolt into the lag shield until tight. The fixture is removable because the lag shield anchor remains in the hole and only the lag screw can be unscrewed and removed. Not recommended for overhead applications.

## Calk-in Anchors



Aerosmith's Calk-in Anchor is an internally threaded part whose sleeve is made of Zamac alloy. This anchor comes pre-assembled and can be used in concrete, brick, block and stone. Pre-drill the proper hole diameter and length, tap anchor into pre-drilled hole and properly set using the proper Aerosmith calk-in setting tool. Once properly set, put fixture in place and use the required machine bolt for proper attachment. This anchor can also be used in normal weight concrete, grout filled concrete, masonry (CMU) brick and stone. This anchor is not recommended for overhead applications.

# MECHANICAL SELECTION GUIDE

- Suitable
- May be Suitable

		Page	Base Material										Anchor Diameter							Head Style						Coating Material						Code Recognition			
			Concrete	Lightweight Concrete	Hollow Core Plank	Grout-filled Concrete Masonry	Hollow Concrete Masonry	Solid Brick	Hollow Brick	Stone	Structural Clay/Tile	Wood	Steel	3/16"	1/4"	5/16"	3/8"	1/2"	5/8"	3/4"	1"	Finished Hex Head	Hex Head	Round/Acorn Head	Flat Head (Countersunk)	Removable	Tie-Wire Head	Female Coupler	Plated Carbon Steel	Type 304 Stainless Steel	Type 316 Stainless Steel		Environmental Coating	Nylon/Plastic	
Expansion Anchors	Sure-Wedge™	11	●	●		●								●		●	●	●				●													ICC-ES ESR 4413
	Aerosmith Wedge Anchors	12	●	●		●								●	●	●	●	●	●	●		●						●	●	●					
	Aerosmith Sleeve Anchors	16	●	○	○	●	●	●	○	○				●	●	●	●	●	●			●	●	●				●							
Screw Anchors	Sure-Bolt™	15	●	●	○	●	○	●						●		●	●	●	●		●						●							ICC-ES ESR 4414	
	Concrete Screws	25	●	●	●	●	●	●	○	○	○			●	●						●			●	●						●				
Rod Hanging System	Hangerz	27	●	●	●								●	●										●		●	●								
	Blue Banger Hanger Steel	32	●	●										●		●	●	●	●							●	●				●			ICC-ES ESR 3599	
	Blue Banger Hanger Wood	32	●	●										●		●	●	●	●							●	●				●			ICC-ES ESR 3599	

		Page	Base Material										Anchor Diameter							Head Style						Coating Material						Code Recognition		
			Concrete	Lightweight Concrete	Hollow Core Plank	Grout-filled Concrete Masonry	Hollow Concrete Masonry	Solid Brick	Hollow Brick	Stone	Wood	Steel	3/16"	1/4"	5/16"	3/8"	1/2"	5/8"	3/4"	Mushroom Head	Round Head	Flat Head (Countersunk)	Tie-Wire	Removable	Tamperproof	Flush Mount	Plated Carbon Steel	Galvanized Carbon Steel	Type 304 Stainless Steel	Type 316 Stainless Steel	Zamac Alloy		Environment Coating	Nylon/Plastic
Bolt and Shield Anchors	Steel Drop-in	18	●	●										●		●	●	●	●						●	●								
	Shallow Embedment Drop-in	18	●	●	●	○								●		●	●	●	●						●	●								
	Double	19	●	○		○	●	●		○				●	●	●	●	●	●						●					●				
	Single	19	●	○		○			○		○			●	●	●	●	●	●						●					●				
	Calk-in	17	●	○		●	○	●		○				●	●	●	●	●	●						●					●			●	
	Lag Shield	20	●	○		○	●	●	○	○				●	●	●	●	●	●						●					●				
Nail Anchors	Strike	24	●	●		●		○	○				●	●				●		●	●		●		●									
	Removable Zinc Nail-in	30	●	○	○	○	●	●	○	○			●					●			●		●		●				●					
	Zamac Nail-in	29	●	○	○	○	●	●	○	○			●	●				●		●	●		●		●			●						

# Sure-Wedge™

Suitable for installation in **CRACKED CONCRETE, UNCRACKED CONCRETE, REINFORCED CONCRETE & STONE.**



Aerosmith's Sure Wedge™ are torque-controlled, mechanical expansion anchors consisting of an anchor body, expansion clip, nut and washer. The anchor body has a tapered mandrel formed on the installed end of the anchor and a threaded section at the opposite end. Suitable base materials include, normal weight concrete and lightweight concrete. The anchors are used to resist static; wind and seismic tension and shear loads in cracked and uncracked normal weight and lightweight concrete having a specific compressive strength of 2500 PSI to 8500 PSI. The anchor is manufactured with a zinc plated carbon steel body and sherardized clip that wraps around the mandrel, rotating freely before installation.

## APPLICATIONS:

- Barriers
- Railings
- Warehouse racking
- Conveyor systems
- Machinery
- Signage
- Fence posts
- Shelving
- Windows
- Overhead doors
- Electrical pipes
- Light fixtures

## FEATURES AND BENEFITS:

- Consistent performance in all types of concrete
- Drill size same as anchor size
- Easy and simple installation
- One piece design
- Comes complete with nuts and washers

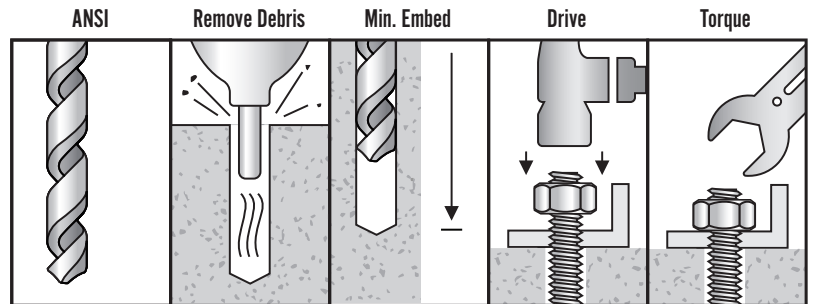
## BASE MATERIAL:

- Solid concrete
- Grout-filled masonry
- Hard stone

**ANCHOR COMPONENT MATERIALS:** Carbon Steel Zinc Plated (body, nut, washer and expansion clip)

## APPROVALS:

Category 1 Cracked & Uncracked Concrete ICC-ES ESR-4413  
 IBC Listed 2018, 2015, 2012, 2009  
 IRC Listed 2009, 2012, 2015, 2018  
 CBC 2016 Listed  
 CRC 2016 Listed  
 LABC 2017 Listed  
 LARC 2017 Listed  
 FBC 2017 Listed  
 FRC 2017 Listed



Part ID	Description	Overall Length	Diameter	Drill Diameter	Min. Embed	Max. Torque	Box Quantity	Carton Quantity
*WA14134CC	Wedge Anchor Zinc ICC 1/4" X 1-3/4"	1-3/4"	1/4"	1/4"	1-1/2"	4 ft lbs	100	800
*WA14214CC	Wedge Anchor Zinc ICC 1/4" X 2-1/4"	2-1/4"	1/4"	1/4"	2"	4 ft lbs	100	800
*WA14314CC	Wedge Anchor Zinc ICC 1/4" X 3 1/4"	3-1/4"	1/4"	1/4"	2"	4 ft lbs	100	800
*WA38214CC	Wedge Anchor Zinc ICC 3/8" X 2-1/4"	2-1/4"	3/8"	3/8"	2-1/3"	30 ft lbs	50	400
*WA38234CC	Wedge Anchor Zinc ICC 3/8" X 2-3/4"	2-3/4"	3/8"	3/8"	2-1/3"	30 ft lbs	50	400
WA38300CC	Wedge Anchor Zinc ICC 3/8" X 3"	3"	3/8"	3/8"	2-1/3"	30 ft lbs	50	200
WA38312CC	Wedge Anchor Zinc ICC 3/8" X 3-1/2"	3-1/2"	3/8"	3/8"	2-1/3"	30 ft lbs	50	200
WA38334CC	Wedge Anchor Zinc ICC 3/8" X 3-3/4"	3-3/4"	3/8"	3/8"	2-1/3"	30 ft lbs	50	200
WA38500CC	Wedge Anchor Zinc ICC 3/8" X 5"	5"	3/8"	3/8"	2-1/3"	30 ft lbs	50	200
WA38700CC	Wedge Anchor Zinc ICC 3/8" X 7"	7"	3/8"	3/8"	2-1/3"	30 ft lbs	50	100
*WA12234CC	Wedge Anchor Zinc ICC 1/2" X 2-3/4"	2-3/4"	1/2"	1/2"	2-1/3"	30 ft lbs	50	200
WA12334CC	Wedge Anchor Zinc ICC 1/2" X 3-3/4"	3-3/4"	1/2"	1/2"	2-1/3"	45 ft lbs	50	200
WA12412CC	Wedge Anchor Zinc ICC 1/2" X 4-1/2"	4-1/2"	1/2"	1/2"	2-1/3"	45 ft lbs	50	100
WA12512CC	Wedge Anchor Zinc ICC 1/2" X 5-1/2"	5-1/2"	1/2"	1/2"	2-1/3"	45 ft lbs	25	100
WA12700CC	Wedge Anchor Zinc ICC 1/2" X 7"	7"	1/2"	1/2"	2-1/3"	45 ft lbs	25	100
WA12100CC	Wedge Anchor Zinc ICC 1/2" X 10"	10"	1/2"	1/2"	2-1/3"	45 ft lbs	25	50
*WA58312CC	Wedge Anchor Zinc ICC 5/8" X 3-1/2"	3-1/2"	5/8"	5/8"	3-1/4"	75 ft lbs	20	80
WA58412CC	Wedge Anchor Zinc ICC 5/8" X 4-1/2"	4-1/2"	5/8"	5/8"	3-1/4"	75 ft lbs	20	80
WA58500CC	Wedge Anchor Zinc ICC 5/8" X 5"	5"	5/8"	5/8"	3-1/4"	75 ft lbs	20	80
WA58600CC	Wedge Anchor Zinc ICC 5/8" X 6"	6"	5/8"	5/8"	3-1/4"	75 ft lbs	20	40
WA58700CC	Wedge Anchor Zinc ICC 5/8" X 7"	7"	5/8"	5/8"	3-1/4"	75 ft lbs	20	40
WA58812CC	Wedge Anchor Zinc ICC 5/8" X 8-1/2"	8-1/2"	5/8"	5/8"	3-1/4"	75 ft lbs	20	40
*WA34414CC	Wedge Anchor Zinc ICC 3/4" X 4-1/4"	4-1/4"	3/4"	3/4"	3-3/4"	150 ft lbs	10	40
*WA34434CC	Wedge Anchor Zinc ICC 3/4" X 4-3/4"	4-3/4"	3/4"	3/4"	3-3/4"	150 ft lbs	10	40
WA34512CC	Wedge Anchor Zinc ICC 3/4" X 5-1/2"	5-1/2"	3/4"	3/4"	3-3/4"	150 ft lbs	10	40
WA34614CC	Wedge Anchor Zinc ICC 3/4" X 6-1/4"	6-1/4"	3/4"	3/4"	3-3/4"	150 ft lbs	10	40
WA34700CC	Wedge Anchor Zinc ICC 3/4" X 7"	7"	3/4"	3/4"	3-3/4"	150 ft lbs	10	40
WA34812CC	Wedge Anchor Zinc ICC 3/4" X 8-1/2"	8-1/2"	3/4"	3/4"	3-3/4"	150 ft lbs	10	20
WA34100CC	Wedge Anchor Zinc ICC 3/4" X 10"	10"	3/4"	3/4"	3-3/4"	150 ft lbs	10	20

\*This size is less than the required minimum standard anchor length for strength design





# Carbon Steel Wedge Anchors

Aerosmith's Wedge Anchor is designed for consistent performance in solid concrete or grout filled concrete masonry. The anchor is threaded and comes complete with a nut and washer. The body is made of carbon steel with an expansion clip. Anchor is driven into a pre-drilled hole which is the same diameter as the anchor body. The anchor is set by tightening the nut to the required torque value for optimum performance. To help identify the length of an installed anchor an identification code can be seen visually at the top of the anchor to determine length after the anchor has been installed.

## APPLICATIONS:

- Barriers
- Railings
- Warehouse racking
- Conveyor systems
- Machinery
- Signage
- Fence posts
- Shelving
- Windows
- Overhead doors
- Electrical pipes
- Light fixtures

## FEATURES AND BENEFITS:

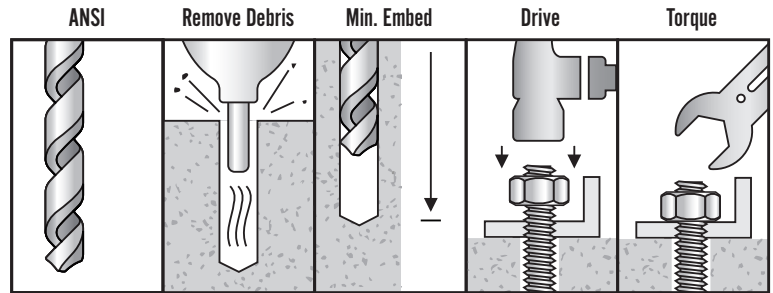
- Consistent performance in all types of concrete
- Drill size same as anchor size
- Easy and simple installation
- One piece design
- Comes complete with nuts and washers

## BASE MATERIAL:

- Solid concrete
- Grout-filled masonry
- Hard stone

## ANCHOR COMPONENT MATERIALS:

Carbon Steel Zinc Plated  
(body, nut, washer and expansion clip)



Part ID	Description	Overall Length	Diameter	ANSI Drill Diameter	Min. Embed	Max. Torque	Box Quantity	Carton Quantity
WAG14134	Wedge Anchor Zinc 1/4" X 1-3/4"	1-3/4"	1/4"	1/4"	1-1/8"	4 ft lbs	100	600
WAG14214	Wedge Anchor Zinc 1/4" X 2-1/4"	2-1/4"	1/4"	1/4"	1-1/8"	4 ft lbs	100	600
WAG14314	Wedge Anchor Zinc 1/4" X 3-1/4"	3-1/4"	1/4"	1/4"	1-1/8"	4 ft lbs	100	600
WAG38214	Wedge Anchor Zinc 3/8" X 2-1/4"	2-1/4"	3/8"	3/8"	1 5/8"	20 ft lbs	50	300
WAG38234	Wedge Anchor Zinc 3/8" X 2-3/4"	2-3/4"	3/8"	3/8"	1-5/8"	20 ft lbs	50	300
WAG38300	Wedge Anchor Zinc 3/8" X 3"	3"	3/8"	3/8"	1-5/8"	20 ft lbs	50	300
WAG38312	Wedge Anchor Zinc 3/8" X 3-1/2"	3-1/2"	3/8"	3/8"	1-5/8"	20 ft lbs	50	300
WAG38334	Wedge Anchor Zinc 3/8" X 3-3/4"	3-3/4"	3/8"	3/8"	1-5/8"	20 ft lbs	50	300
WAG38500	Wedge Anchor Zinc 3/8" X 5"	5"	3/8"	3/8"	1-5/8"	20 ft lbs	50	300
WAG38700	Wedge Anchor Zinc 3/8" X 7"	7"	3/8"	3/8"	1-5/8"	20 ft lbs	50	200
WAG12234	Wedge Anchor Zinc 1/2" X 2-3/4"	2-3/4"	1/2"	1/2"	2-1/4"	40 ft lbs	50	200
WAG12334	Wedge Anchor Zinc 1/2" X 3-3/4"	3-3/4"	1/2"	1/2"	2-1/4"	40 ft lbs	50	200
WAG12412	Wedge Anchor Zinc 1/2" X 4-1/2"	4-1/2"	1/2"	1/2"	2-1/4"	40 ft lbs	50	200
WAG12512	Wedge Anchor Zinc 1/2" X 5-1/2"	5-1/2"	1/2"	1/2"	2-1/4"	40 ft lbs	50	150
WAG12700	Wedge Anchor Zinc 1/2" X 7"	7"	1/2"	1/2"	2-1/4"	40 ft lbs	25	100
WAG12812	Wedge Anchor Zinc 1/2" X 8-1/2"	8-1/2"	1/2"	1/2"	2-1/4"	40 ft lbs	25	100
WAG58312	Wedge Anchor Zinc 5/8" X 3-1/2"	3-1/2"	5/8"	5/8"	2-3/4"	80 ft lbs	25	100
WAG58412	Wedge Anchor Zinc 5/8" X 4-1/2"	4-1/2"	5/8"	5/8"	2-3/4"	80 ft lbs	25	100
WAG58500	Wedge Anchor Zinc 5/8" X 5"	5"	5/8"	5/8"	2-3/4"	80 ft lbs	25	100
WAG58600	Wedge Anchor Zinc 5/8" X 6"	6"	5/8"	5/8"	2-3/4"	80 ft lbs	25	75
WAG58700	Wedge Anchor Zinc 5/8" X 7"	7"	5/8"	5/8"	2-3/4"	80 ft lbs	25	75
WAG58812	Wedge Anchor Zinc 5/8" X 8-1/2"	8-1/2"	5/8"	5/8"	2-3/4"	80 ft lbs	25	50
WAG34414	Wedge Anchor Zinc 3/4" X 4-1/4"	4-1/4"	3/4"	3/4"	3-3/8"	110 ft lbs	20	60
WAG34434	Wedge Anchor Zinc 3/4" X 4-3/4"	4-3/4"	3/4"	3/4"	3-3/8"	110 ft lbs	20	60
WAG34512	Wedge Anchor Zinc 3/4" X 5-1/2"	5-1/2"	3/4"	3/4"	3-3/8"	110 ft lbs	20	60
WAG34614	Wedge Anchor Zinc 3/4" X 6-1/4"	6-1/4"	3/4"	3/4"	3-3/8"	110 ft lbs	20	60
WAG34700	Wedge Anchor Zinc 3/4" X 7"	7"	3/4"	3/4"	3-3/8"	110 ft lbs	20	60
WAG34812	Wedge Anchor Zinc 3/4" X 8-1/2"	8-1/2"	3/4"	3/4"	3-3/8"	110 ft lbs	10	40
WAG34100	Wedge Anchor Zinc 3/4" X 10"	10"	3/4"	3/4"	3-3/8"	110 ft lbs	10	40
WAG16000	Wedge Anchor Zinc 1" X 6"	6"	1"	1"	4-1/2"	300 ft lbs	10	30
WAG19000	Wedge Anchor Zinc 1" X 9"	9"	1"	1"	4-1/2"	300 ft lbs	10	20
WAG11200	Wedge Anchor Zinc 1" X 12"	12"	1"	1"	4-1/2"	300 ft lbs	5	10



# Wedge Anchor Type 304 Stainless Steel

Aerosmith's Wedge Anchor Type 304 Stainless Steel is designed for consistent performance in solid concrete or grout filled concrete masonry. The anchor is threaded and comes complete with a nut and washer which are made of 304 Stainless Steel. The body is made of carbon steel with an expansion clip. Anchor is driven into a pre-drilled hole which is the same diameter as the anchor body. The anchor is set by tightening the nut to the required torque value for optimum performance. To help identify the length of an installed anchor an identification code can be seen visually at the top of the anchor to determine length after the anchor has been installed. The material type enables you to use this product in both internal and some external applications where corrosion resistance may be required. **To determine which product to use in external applications please consult an engineer.**

## APPLICATIONS:

- Barriers
- Railings
- Warehouse racking
- Conveyor systems
- Machinery
- Signage
- Fence posts
- Shelving
- Windows
- Overhead doors
- Electrical pipes
- Light fixtures

## FEATURES AND BENEFITS:

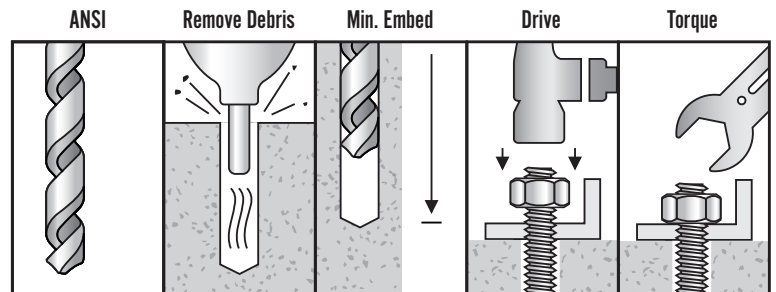
- Consistent performance in all types of concrete
- Drill size same as anchor size
- Easy and simple installation
- One piece design
- Comes complete with nuts and washers

## BASE MATERIAL:

- Solid concrete
- Grout-filled masonry
- Hard stone

## ANCHOR COMPONENT MATERIALS:

304 Stainless Steel  
(body, nut, washer and expansion clip)



Part ID	Description	Overall Length	Diameter	ANSI Drill Diameter	Min. Embed	Max. Torque	Box Quantity	Carton Quantity
WA4SS14134	Wedge Anchor 304SS 1/4" X 1-3/4"	1-3/4"	1/4"	1/4"	1-1/8"	6 ft lbs	100	600
WA4SS14214	Wedge Anchor 304SS 1/4" X 2-1/4"	2-1/4"	1/4"	1/4"	1-1/8"	6 ft lbs	100	600
WA4SS14314	Wedge Anchor 304SS 1/4" X 3-1/4"	3-1/4"	1/4"	1/4"	1-1/8"	6 ft lbs	100	600
WA4SS38214	Wedge Anchor 304SS 3/8" X 2-1/4"	2-1/4"	3/8"	3/8"	1-3/8"	25 ft lbs	50	300
WA4SS38234	Wedge Anchor 304SS 3/8" X 2-3/4"	2-3/4"	3/8"	3/8"	1-3/8"	25 ft lbs	50	300
WA4SS38300	Wedge Anchor 304SS 3/8" X 3"	3"	3/8"	3/8"	1-3/8"	25 ft lbs	50	300
WA4SS38312	Wedge Anchor 304SS 3/8" X 3-1/2"	3-1/2"	3/8"	3/8"	1-3/8"	25 ft lbs	50	300
WA4SS38334	Wedge Anchor 304SS 3/8" X 3-3/4"	3-3/4"	3/8"	3/8"	1-3/8"	25 ft lbs	50	300
WA4SS38500	Wedge Anchor 304SS 3/8" X 5"	5"	3/8"	3/8"	1-3/8"	25 ft lbs	50	300
WA4SS12234	Wedge Anchor 304SS 1/2" X 2-3/4"	2-3/4"	1/2"	1/2"	1-7/8"	40 ft lbs	50	200
WA4SS12334	Wedge Anchor 304SS 1/2" X 3-3/4"	3-3/4"	1/2"	1/2"	1-7/8"	40 ft lbs	50	200
WA4SS12412	Wedge Anchor 304SS 1/2" X 4-1/2"	4-1/2"	1/2"	1/2"	1-7/8"	40 ft lbs	50	200
WA4SS12512	Wedge Anchor 304SS 1/2" X 5-1/2"	5-1/2"	1/2"	1/2"	1-7/8"	40 ft lbs	50	150
WA4SS12700	Wedge Anchor 304SS 1/2" X 7"	7"	1/2"	1/2"	1-7/8"	40 ft lbs	25	100
WA4SS58312	Wedge Anchor 304SS 5/8" X 3-1/2"	3-1/2"	5/8"	5/8"	2-1/2"	60 ft lbs	25	100
WA4SS58412	Wedge Anchor 304SS 5/8" X 4-1/2"	4-1/2"	5/8"	5/8"	2-1/2"	60 ft lbs	25	100
WA4SS58500	Wedge Anchor 304SS 5/8" X 5"	5"	5/8"	5/8"	2-1/2"	60 ft lbs	25	100
WA4SS58600	Wedge Anchor 304SS 5/8" X 6"	6"	5/8"	5/8"	2-1/2"	60 ft lbs	25	75
WA4SS58700	Wedge Anchor 304SS 5/8" X 7"	7"	5/8"	5/8"	2-1/2"	60 ft lbs	25	75
WA4SS58812	Wedge Anchor 304SS 5/8" X 8-1/2"	8-1/2"	5/8"	5/8"	2-1/2"	60 ft lbs	25	50
WA4SS34414	Wedge Anchor 304SS 3/4" X 4-1/4"	4-1/2"	3/4"	3/4"	3-3/8"	110 ft lbs	20	60
WA4SS34434	Wedge Anchor 304SS 3/4" X 4-3/4"	4-3/4"	3/4"	3/4"	3-3/8"	110 ft lbs	20	60
WA4SS34512	Wedge Anchor 304SS 3/4" X 5-1/2"	5-1/2"	3/4"	3/4"	3-3/8"	110 ft lbs	20	60
WA4SS34614	Wedge Anchor 304SS 3/4" X 6-1/4"	6-1/4"	3/4"	3/4"	3-3/8"	110 ft lbs	20	60
WA4SS34700	Wedge Anchor 304SS 3/4" X 7"	7"	3/4"	3/4"	3-3/8"	110 ft lbs	20	60
WA4SS34812	Wedge Anchor 304SS 3/4" X 8-1/2"	8-1/2"	3/4"	3/4"	3-3/8"	110 ft lbs	10	40
WA4SS34100	Wedge Anchor 304SS 3/4" X 10"	10"	3/4"	3/4"	3-3/8"	110 ft lbs	10	40
WA4SS16000	Wedge Anchor 304SS 1" X 6"	6"	1"	1"	4-1/2"	300 ft lbs	10	30
WA4SS19000	Wedge Anchor 304SS 1" X 9"	9"	1"	1"	4-1/2"	300 ft lbs	10	20
WA4SS11200	Wedge Anchor 304SS 1" X 12"	12"	1"	1"	4-1/2"	300 ft lbs	5	10



# Wedge Anchor Type 316 Stainless Steel

Aerosmith's Wedge Anchor Type 316 Stainless Steel is designed for consistent performance in solid concrete or grout filled concrete masonry. The anchor is threaded and comes complete with a nut and washer which are made of 316 Stainless Steel. The body is made of carbon steel with an expansion clip. Anchor is driven into a pre-drilled hole which is the same diameter as the anchor body. The anchor is set by tightening the nut to the required torque value for optimum performance. To help identify the length of an installed anchor an identification code can be seen visually at the top of the anchor to determine length after the anchor has been installed. The material grade enables you to use this product in both internal and some external applications where corrosion resistance may be required. **To determine which product to use in external applications please consult an engineer.**

## APPLICATIONS:

- Barriers
- Railings
- Warehouse racking
- Conveyor systems
- Machinery
- Signage
- Fence posts
- Shelving
- Windows
- Overhead doors
- Electrical pipes
- Light fixtures

## FEATURES AND BENEFITS:

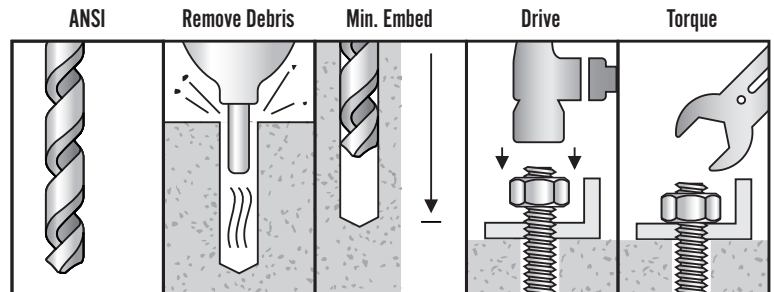
- Consistent performance in all types of concrete
- Drill size same as anchor size
- Easy and simple installation
- One piece design
- Comes complete with nuts and washers

## BASE MATERIAL:

- Solid concrete
- Grout-filled masonry
- Hard stone

## ANCHOR COMPONENT MATERIALS:

316 Stainless Steel  
(body, nut, washer and expansion clip)



Part ID	Description	Overall Length	Diameter	ANSI Drill Diameter	Min. Embed	Max. Torque	Box Quantity	Carton Quantity
WA6SS14134	Wedge Anchor 316SS 1/4" X 1-3/4"	1-3/4"	1/4"	1/4"	1-1/8"	6 ft lbs	100	600
WA6SS14214	Wedge Anchor 316SS 1/4" X 2-1/4"	2-1/4"	1/4"	1/4"	1-1/8"	6 ft lbs	100	600
WA6SS14314	Wedge Anchor 316SS 1/4" X 3-1/4"	3-1/4"	1/4"	1/4"	1-1/8"	6 ft lbs	100	600
WA6SS38214	Wedge Anchor 316SS 3/8" X 2-1/4"	2-1/4"	3/8"	3/8"	1-3/8"	25 ft lbs	50	300
WA6SS38234	Wedge Anchor 316SS 3/8" X 2-3/4"	2-3/4"	3/8"	3/8"	1-3/8"	25 ft lbs	50	300
WA6SS38300	Wedge Anchor 316SS 3/8" X 3"	3"	3/8"	3/8"	1-3/8"	25 ft lbs	50	300
WA6SS38312	Wedge Anchor 316SS 3/8" X 3-1/2"	3-1/2"	3/8"	3/8"	1-3/8"	25 ft lbs	50	300
WA6SS38334	Wedge Anchor 316SS 3/8" X 3-3/4"	3-3/4"	3/8"	3/8"	1-3/8"	25 ft lbs	50	300
WA6SS38500	Wedge Anchor 316SS 3/8" X 5"	5"	3/8"	3/8"	1-3/8"	25 ft lbs	50	300
WA6SS12234	Wedge Anchor 316SS 1/2" X 2-3/4"	2-3/4"	1/2"	1/2"	1-7/8"	40 ft lbs	50	200
WA6SS12334	Wedge Anchor 316SS 1/2" X 3-3/4"	3-3/4"	1/2"	1/2"	1-7/8"	40 ft lbs	50	200
WA6SS12412	Wedge Anchor 316SS 1/2" X 4-1/2"	4-1/2"	1/2"	1/2"	1-7/8"	40 ft lbs	50	200
WA6SS12512	Wedge Anchor 316SS 1/2" X 5-1/2"	5-1/2"	1/2"	1/2"	1-7/8"	40 ft lbs	50	150
WA6SS12700	Wedge Anchor 316SS 1/2" X 7"	7"	1/2"	1/2"	1-7/8"	40 ft lbs	25	100
WA6SS58312	Wedge Anchor 316SS 5/8" X 3-1/2"	3-1/2"	5/8"	5/8"	2-1/2"	60 ft lbs	25	100
WA6SS58412	Wedge Anchor 316SS 5/8" X 4-1/2"	4-1/2"	5/8"	5/8"	2-1/2"	60 ft lbs	25	100
WA6SS58500	Wedge Anchor 316SS 5/8" X 5"	5"	5/8"	5/8"	2-1/2"	60 ft lbs	25	100
WA6SS58600	Wedge Anchor 316SS 5/8" X 6"	6"	5/8"	5/8"	2-1/2"	60 ft lbs	25	75
WA6SS58700	Wedge Anchor 316SS 5/8" X 7"	7"	5/8"	5/8"	2-1/2"	60 ft lbs	25	75
WA6SS58812	Wedge Anchor 316SS 5/8" X 8-1/2"	8-1/2"	5/8"	5/8"	2-1/2"	60 ft lbs	25	50
WA6SS34414	Wedge Anchor 316SS 3/4" X 4-1/4"	4-1/4"	3/4"	3/4"	3-3/8"	110 ft lbs	20	60
WA6SS34434	Wedge Anchor 316SS 3/4" X 4-3/4"	4-3/4"	3/4"	3/4"	3-3/8"	110 ft lbs	20	60
WA6SS34512	Wedge Anchor 316SS 3/4" X 5-1/2"	5-1/2"	3/4"	3/4"	3-3/8"	110 ft lbs	20	60
WA6SS34614	Wedge Anchor 316SS 3/4" X 6-1/4"	6-1/4"	3/4"	3/4"	3-3/8"	110 ft lbs	20	60
WA6SS34700	Wedge Anchor 316SS 3/4" X 7"	7"	3/4"	3/4"	3-3/8"	110 ft lbs	20	60
WA6SS34812	Wedge Anchor 316SS 3/4" X 8-1/2"	8-1/2"	3/4"	3/4"	3-3/8"	110 ft lbs	10	40





# Sure-Bolt™ Suitable for installation in CRACKED CONCRETE, UNCRACKED CONCRETE, REINFORCED CONCRETE & STONE.

The Aerosmith Sure Bolt™ is a one-piece, heavy duty screw anchor with a finished hex head. The anchor is manufactured from carbon steel and is heat treated. The Sure-Bolt™ is available in a variety of sizes from 1/4 to 3/4 inch. The hex head diameter is larger than the diameter of the anchor and is formed with serrations on the underside. The anchor can be installed in a pre-drilled hole with a powered impact wrench or a torque wrench. The anchor threads cut into concrete on the sides of the hole and interlock with the base material during the installation. Once installed they are easily identifiable by head markings with ASF on the head. Suitable base materials include normal weight concrete, and lightweight concrete. The anchor is designed for consistent and reliable performance in cracked and uncracked concrete.

## APPLICATIONS:

- Structural anchoring in cracked and uncracked concrete, including industrial environments
- Glazing, windows and shop windows
- Industrial racking and conveyor systems
- Installation of railings and handrails in interiors applications
- Anchoring of machinery, boilers, signs, stadium seating, facade substructures, etc.
- Anchoring through wood into concrete base materials
- Removable

## BASE MATERIAL:

- Normal weight and lightweight concrete
- Reinforced concrete
- Cracked and uncracked concrete

## ANCHOR COMPONENT MATERIALS:

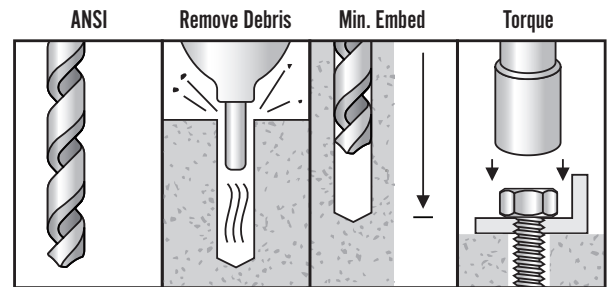
Carbon Steel Body, Zinc Plated, with a hex washer head

## FEATURES AND BENEFITS:

- Quick and easy installation
- Use in cracked and uncracked concrete
- Use for medium-heavy duty loads.
- Finished hex head
- Removable
- One piece assembly
- Variety of length and diameters
- Suitable when reduced distance to edge and between anchors is required
- Mechanical interlock between concrete and thread
- For static and quasi static loads
- Can be un-installed leaving the surface clear with no obstructions

## APPROVALS:

Category 1 Cracked & Uncracked Concrete ICC-ES ESR-4414  
 IBC Listed 2018, 2015, 2012, 2009  
 IRC Listed 2009, 2012, 2015, 2018  
 CBC 2016 Listed  
 CRC 2016 Listed  
 LABC 2017 Listed  
 LARC 2017 Listed  
 FBC 2017 Listed  
 FRC 2017 Listed



Part ID	Description	Overall Length	Diameter	ANSI Drill Diameter	Min. Embed	Max. Torque	Box Quantity	Carton Quantity
*CB14114CC	1/4" x 1-1/4"	1-1/4"	1/4"	1/4"	1"	24 ft lbs	100	800
*CB14134CC	1/4" x 1-3/4"	1-3/4"	1/4"	1/4"	1-1/2"	24 ft lbs	100	800
*CB14214CC	1/4" x 2-1/4"	2-1/4"	1/4"	1/4"	1-5/8"	24 ft lbs	100	600
*CB14300CC	1/4" x 3"	3"	1/4"	1/4"	1-5/8"	24 ft lbs	50	400
*CB38134CC	3/8" x 1-3/4"	1-3/4"	3/8"	3/8"	1-1/2"	35 ft lbs	50	200
CB38212CC	3/8" x 2-1/2"	2-1/2"	3/8"	3/8"	2-1/4"	35 ft lbs	50	200
CB38300CC	3/8" x 3"	3"	3/8"	3/8"	2-1/2"	35 ft lbs	50	200
CB38400CC	3/8" x 4"	4"	3/8"	3/8"	2-1/2"	35 ft lbs	50	200
CB38500CC	3/8" x 5"	5"	3/8"	3/8"	2-1/2"	35 ft lbs	50	200
CB38600CC	3/8" x 6"	6"	3/8"	3/8"	2-1/2"	35 ft lbs	50	200
*CB12200CC	1/2" x 2"	2"	1/2"	1/2"	1-3/4"	35 ft lbs	50	100
*CB12212CC	1/2" x 2-1/2"	2-1/2"	1/2"	1/2"	2-1/4"	45 ft lbs	50	100
CB12300CC	1/2" x 3"	3"	1/2"	1/2"	2-3/4"	45 ft lbs	50	100
CB12400CC	1/2" x 4"	4"	1/2"	1/2"	3"	45 ft lbs	50	100
CB12500CC	1/2" x 5"	5"	1/2"	1/2"	3"	45 ft lbs	25	50
CB12600CC	1/2" x 6"	6"	1/2"	1/2"	3"	45 ft lbs	25	50
CB12800CC	1/2" x 8"	8"	1/2"	1/2"	3"	45 ft lbs	20	80
*CB58300CC	5/8" x 3"	3"	5/8"	5/8"	2-3/4"	85 ft lbs	25	50
CB58400CC	5/8" x 4"	4"	5/8"	5/8"	3-1/4"	85 ft lbs	25	50
CB58500CC	5/8" x 5"	5"	5/8"	5/8"	3-1/4"	85 ft lbs	25	50
CB58600CC	5/8" x 6"	6"	5/8"	5/8"	3-1/4"	85 ft lbs	20	40
CB58800CC	5/8" x 8"	8"	5/8"	5/8"	3-1/4"	85 ft lb	20	40
CB34400CC	3/4" x 4"	4"	3/4"	3/4"	3-3/4"	115 ft lbs	20	40
CB34500CC	3/4" x 5"	5"	3/4"	3/4"	4"	115 ft lbs	20	40
CB34600CC	3/4" x 6"	6"	3/4"	3/4"	4"	115 ft lbs	10	20
CB34800CC	3/4" x 8"	8"	3/4"	3/4"	4"	115 ft lbs	10	40
CB34100CC	3/4" x 10"	10"	3/4"	3/4"	4"	115 ft lbs	10	40

\*This size is less than the required minimum standard anchor length for strength design



# Sleeve Anchor Carbon Steel

The Aerosmith Sleeve Anchor is an all-steel pre-assembled anchor that can be used in a variety of solid base materials. Most popular base materials include concrete and masonry. They are available in multiple head styles, such as, hex nut, acorn nut and flat head to give you the finished appearance for your specific application. Simply drill the same diameter hole as the anchor and install anchor through fixture and then tighten to required torque specification.

## APPLICATIONS:

- Light to medium duty signage
- Electrical boxes
- Shelving
- Junction boxes
- Door frames
- Window frames

## FEATURES AND BENEFITS:

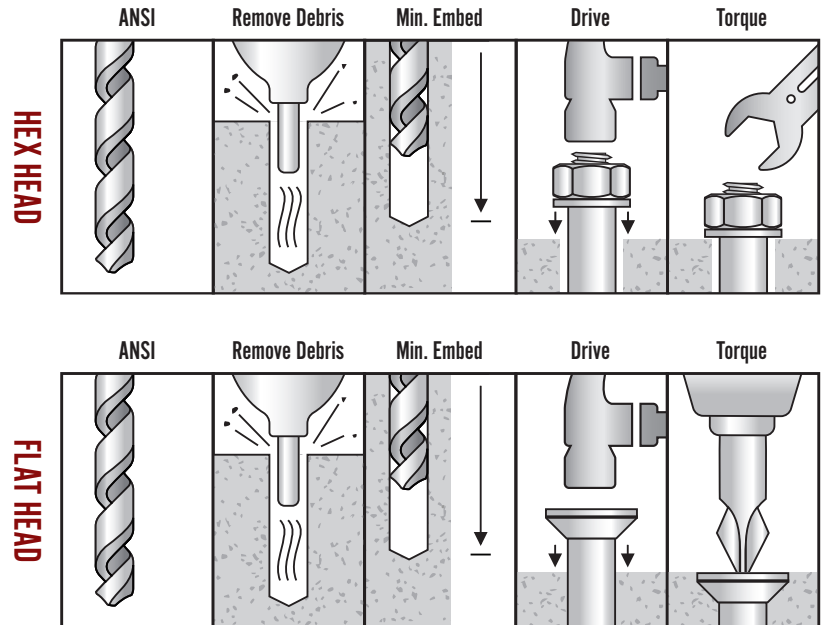
- Variety of head styles
- Can be used in a variety of base materials
- All steel component design
- Pre-assembled anchor for quick installation
- Anchor size is the same as hole size.

## BASE MATERIAL:

- Concrete
- Grout filled masonry
- Block (expansion must be in solid portion)
- Brick
- Stone

## ANCHOR COMPONENT MATERIALS:

Carbon Steel Zinc Plated  
(body, nut & washer, expansion sleeve Carbon Steel)



Part ID	Description	Usable Length	Diameter	ANSI Drill Diameter	Max. Fixture Thickness	Max. Torque	Box Quantity	Carton Quantity
SAH516112	5/16" X 1-1/2"	1-1/2"	5/16"	5/16"	1"	12 ft lbs	100	600
SAH516212	5/16" X 2-1/2"	2-1/2"	5/16"	5/16"	1"	12 ft lbs	100	500
SAH381780	3/8" X 1-7/8"	1-7/8"	3/8"	3/8"	1-1/4"	12 ft lbs	50	300
SAH383000	3/8" X 3"	3"	3/8"	3/8"	1-1/4"	18 ft lbs	50	250
SAH384000	3/8" X 4"	4"	3/8"	3/8"	1-1/4"	18 ft lbs	50	250
SAH122120	1/2" X 2-1/2"	2-1/2"	1/2"	1/2"	1-1/2"	18 ft lbs	25	150
SAH123000	1/2" X 3"	3"	1/2"	1/2"	1-1/2"	26 ft lbs	25	150
SAH126000	1/2" X 6"	6"	1/2"	1/2"	1-1/2"	26 ft lbs	25	50
SAH582140	5/8" X 2-1/4"	2-1/4"	5/8"	5/8"	2"	50 ft lbs	25	50
SAH583000	5/8" X 3"	3"	5/8"	5/8"	2"	26 ft lbs	25	125
SAH584140	5/8" X 4-1/4"	4-1/4"	5/8"	5/8"	2"	50 ft lbs	10	60
SAH585340	5/8" X 5-3/4"	5-3/4"	5/8"	5/8"	2"	50 ft lbs	10	50
SAH342120	3/4" X 2-1/2"	2-1/2"	3/4"	3/4"	2-1/4"	90 ft lbs	10	80
SAH344140	3/4" X 4-1/4"	4-1/4"	3/4"	3/4"	2-1/4"	50 ft lbs	10	40
SAH346140	3/4" X 6-1/4"	6-1/4"	3/4"	3/4"	2-1/4"	90 ft lbs	10	30
SAH348140	3/4" X 8-1/4"	8-1/4"	3/4"	3/4"	2-1/4"	90 ft lbs	10	20
Part ID	Description	Usable Length	Diameter	ANSI Drill Diameter	Max. Fixture Thickness	Max. Torque	Box Quantity	Carton Quantity
SAA145800	1/4" X 5/8"	5/8"	1/4"	1/4"	1/2"	90 ft lbs	100	1000
SAA141380	1/4" X 1-3/8"	1-3/8"	1/4"	1/4"	1/2"	6 ft lbs	100	600
SAA142140	1/4" X 2-1/4"	2-1/4"	1/4"	1/4"	1/2"	6 ft lbs	100	600
SAC382340	3/8" X 2-3/4"	2-3/4"	3/8"	3/8"	1-1/4"	6 ft lbs	50	300
SAC384000	3/8" X 4"	4"	3/8"	3/8"	1-1/4"	18 ft lbs	50	250
SAC385000	3/8" X 5"	5"	3/8"	3/8"	1-1/4"	18 ft lbs	50	250
SAC386000	3/8" X 6"	6"	3/8"	3/8"	1-1/4"	18 ft lbs	25	250





# Calk-in Anchors

Aerosmith's Calk-in Anchor is an internally threaded part whose sleeve is made of Zamac alloy. This anchor comes pre-assembled and can be used in concrete, brick, block and stone. Pre-drill the proper hole diameter and length, tap anchor into pre-drilled hole and properly set using the proper Aerosmith calk-in setting tool. Once properly set, put fixture in place and use the required machine bolt for proper attachment. This anchor can also be used in normal weight concrete, grout filled concrete, masonry (CMU) brick and stone. This anchor is not recommended for overhead applications.

## APPLICATIONS:

- Window frame installations
- Screens enclosures
- Sliding doors
- Storm shutters
- Light to medium duty signage
- Seating

## FEATURES AND BENEFITS:

- Easy to install
- Can be used in a variety of base materials
- Internally threaded anchor for easy removability
- Can be used in shallow embedments
- Corrosion resistant anchor body

## BASE MATERIAL:

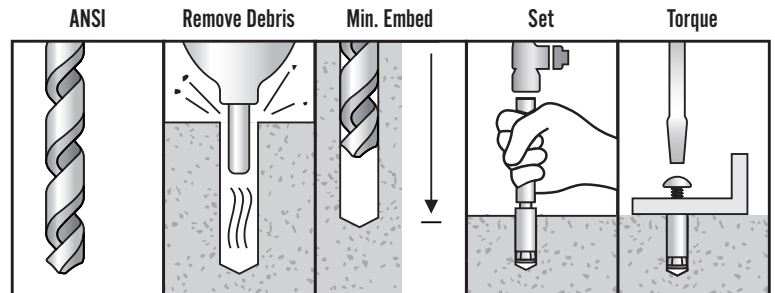
- Concrete
- Block
- Brick
- Stone

## ANCHOR COMPONENT MATERIALS:

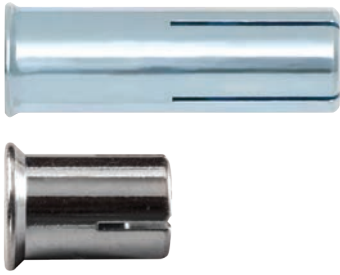
Lead Alloy Body and internally threaded Zamac Alloy Cone

## CALK-IN SETTING TOOLS:

- CIT10 10-24
- CIT14 1/4"
- CIT516 5/16"
- CIT38 3/8"
- CIT12 1/2"



Part ID	Description	ANSI Drill Diameter	Min. Embed	Max. Torque	Box Quantity	Carton Quantity	Use with Calk In Tool
CI1024	Calk In 10 - 24	3/8"	5/8"	20 lbs Max	100	1000	CIT10
CI1420	Calk In 1/4" - 20	1/2"	7/8"	60 lbs Max	100	600	CIT14
CI51618	Calk In 5/16" - 18	5/8"	1"	7 ft. lbs Max	50	300	CIT516
CI3816	Calk In 3/8" - 16	3/4"	1-1/4"	10 ft.-lbs Max	50	300	CIT38
CI1213	Calk In 1/2" - 13	7/8"	1-1/2"	15 ft.-lbs Max	50	250	CIT12
							<b>Use with Calk-in</b>
CIT10	Calk In Setting Tool 10 - 24	N/A	-	-	1	300	10 - 24 CI1024
CIT14	Calk In Setting Tool 1/4"	N/A	-	-	1	200	1/4" CI1420
CIT516	Calk In Setting Tool 5/16"	N/A	-	-	1	150	5/16" CI51618
CIT38	Calk In Setting Tool 3/8"	N/A	-	-	1	100	3/8" CI3816
CIT12	Calk In Setting Tool 1/2"	N/A	-	-	1	60	1/2" CI1213



# Drop-ins

The Aerosmith Drop-in is a machine type bolt anchor available in 304 and 316 SS as well as carbon steel. The body is internally threaded for use in flush mount applications and solid base materials. Aerosmith also offers a coil thread version for concrete forming applications available in both 1/2" and 3/4" diameters. A shallow embedment drop-in is also available which is made from carbon steel and can be used in solid concrete, hollow concrete, plank, hardstone and solid brick. Typical applications include hanging threaded rod overhead. Installation is easy. Pre-drill a hole using the proper diameter for the anchor, tap anchor into pre-drilled hole until flush with base material. Use the appropriate setting tool to properly set the anchor and hammer the back of the setting tool until neck is flush with the top of the anchor. Put fixture in place and insert the machine bolt and tighten to the required torque. If using overhead, insert threaded rod to the minimal thread engagement which should be equal to the nominal diameter of the threaded insert. This product can be used in overhead applications.

## APPLICATIONS:

- Cable trays
- Fire sprinklers
- Suspended conduit
- Concrete form-work
- Suspended ceiling and lighting
- Telecommunication installations

## FEATURES AND BENEFITS:

- Easy to remove
- Allows for short embedment
- Lipped version installs flush
- Non-lipped version for deeper embedment
- High load values
- Available in different material types

## BASE MATERIAL:

- Solid concrete
- Hard stone
- Solid block

## APPROVALS:

UL listed

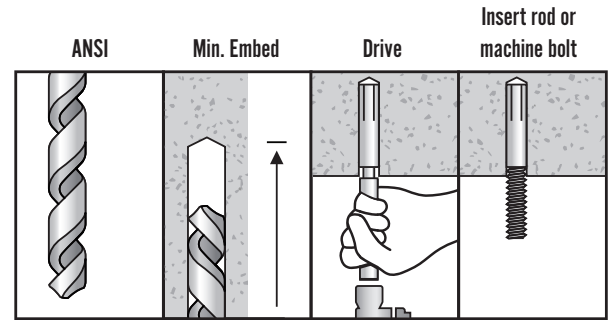
## ANCHOR COMPONENT MATERIALS:

- Carbon Steel – Zinc Plated
- Stainless Steel Type 304
- Stainless Steel Type 316

## SETTING TOOL



## SHALLOW EMBED SETTING TOOL



Part ID	Product Name	Description	Overall Length	Thread Diameter	ANSI Drill Diameter	Min. Embed	Rod Size: Torque	Box Quantity	Carton Quantity
DI14	Carbon Steel Drop In	1/4"	1"	1/4"	3/8"	1"	Rod Size: 1/4" Torque 5 ft lbs	100	1000
DI38	Carbon Steel Drop In	3/8"	1-9/16"	3/8"	1/2"	1-9/16"	Rod Size: 3/8" Torque 10 ft lbs	50	500
DI12	Carbon Steel Drop In	1/2"	2"	1/2"	5/8"	2"	Rod Size: 1/2" Torque 20 ft lbs	50	300
DI58	Carbon Steel Drop In	5/8"	2-1/2"	5/8"	7/8"	2-1/2"	Rod Size: 5/8" Torque 40 ft lbs	25	125
DI34	Carbon Steel Drop In	3/4"	3-3/16"	3/4"	1"	3-3/16"	Rod Size: 3/4" Torque 80 ft lbs	10	50
DIC12	Coil Thread Drop in	1/2"	2"	1/2"	5/8"	2"	Rod Size: 1/2" Torque 20 ft lbs	50	300
DIC34	Coil Thread Drop in	3/4"	3-3/16"	3/4"	1"	3-3/16"	Rod Size: 3/4" Torque 80 ft lbs	10	50
DIL14	Carbon Steel Shallow Embedment Drop In	w/Lip 1/4"	5/8"	1/4"	3/8"	5/8"	Rod Size: 1/4" Torque 5 ft lbs	100	1000
DIL38	Carbon Steel Shallow Embedment Drop In	w/Lip 3/8"	3/4"	3/8"	1/2"	3/4"	Rod Size: 3/8" Torque 10 ft lbs	100	1000
DIL12	Carbon Steel Shallow Embedment Drop In	w/Lip 1/2"	1"	1/2"	5/8"	1"	Rod Size: 1/2" Torque 20 ft lbs	25	250
DI4SS14	Stainless Steel Drop In	304 SS 1/4"	1"	1/4"	3/8"	1"	Rod Size: 1/4" Torque 5 ft lbs	100	1000
DI4SS38	Stainless Steel Drop In	304 SS 3/8"	1-9/16"	3/8"	1/2"	1-9/16"	Rod Size: 3/8" Torque 10 ft lbs	50	500
DI4SS12	Stainless Steel Drop In	304 SS 1/2"	2"	1/2"	5/8"	2"	Rod Size: 1/2" Torque 20 ft lbs	50	300
DI4SS58	Stainless Steel Drop In	304 SS 5/8"	2-1/2"	5/8"	7/8"	2-1/2"	Rod Size: 5/8" Torque 40 ft lbs	25	125
DI4SS34	Stainless Steel Drop In	304 SS 3/4"	3-3/16"	3/4"	1"	3-3/16"	Rod Size: 3/4" Torque 80 ft lbs	25	125
DI6SS14	Stainless Steel Drop In	316 SS 1/4"	1"	1/4"	3/8"	1"	Rod Size: 1/4" Torque 5 ft lbs	100	1000
DI6SS38	Stainless Steel Drop In	316 SS 3/8"	1-9/16"	3/8"	1/2"	1-9/16"	Rod Size: 3/8" Torque 10 ft lbs	50	500
DI6SS12	Stainless Steel Drop In	316 SS 1/2"	2"	1/2"	5/8"	2"	Rod Size: 1/2" Torque 20 ft lbs	50	300
DI6SS58	Stainless Steel Drop In	316 SS 5/8"	2-1/2"	5/8"	7/8"	2-1/2"	Rod Size: 5/8" Torque 40 ft lbs	25	125
DI6SS34	Stainless Steel Drop In	316 SS 3/4"	3-3/16"	3/4"	1"	3-3/16"	Rod Size: 3/4" Torque 80 ft lbs	10	25
DST14	Drop-In Setting Tool	1/4"						1	250
DST38	Drop-In Setting Tool	3/8"						1	100
DST12	Drop-In Setting Tool	1/2"						1	100
DST58	Drop-In Setting Tool	5/8"						1	50
DST34	Drop-In Setting Tool	3/4"						1	25
DSTM14	Shallow Embedment Drop In Setting Tool	1/4"						1	50
DSTM38	Shallow Embedment Drop In Setting Tool	3/8"						1	50
DSTM12	Shallow Embedment Drop In Setting Tool	1/2"						1	50





## Double Expansion Anchors

Double Expansion Anchors can be used in solid concrete, brick block and stone. The double expansion anchor is made of die cast Zamac alloy and is corrosive resistant. Although the product can be used in many base materials it is sometimes used in questionable materials because it expands against the concrete at two points. Sizes are available from 1/4" to 3/4" diameters. Drill the proper diameter hole to the specified embedment, tap anchor into pre-drill hole until flush. Put fixture in place and insert machine bolt. Tighten to required torque to properly set the anchor. This product is not recommended for overhead applications.

### APPLICATIONS:

- Cable trays
- Scaffolding
- Handrails
- Signage
- Strut
- Machinery
- Light fixtures
- Sprinkler pipe

### FEATURES AND BENEFITS:

- Internal thread accepts machine bolts
- Corrosion resistance
- Easy to remove installations

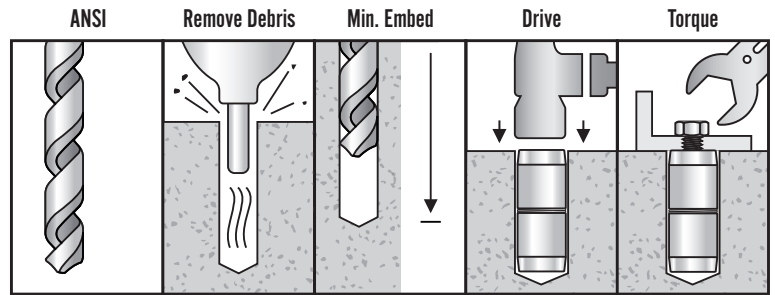
### BASE MATERIAL:

- Concrete
- Grout filled block
- Brick
- Stone

### ANCHOR COMPONENT MATERIALS:

Zinc Alloy

Part ID	Description	Overall Length	ANSI Drill Diameter	Min. Embed	Max. Torque	Box Quantity	Carton Quantity
DB14	1/4"	1-3/8"	1/2"	1-1/4"	5 ft lbs	50	500
DB516	5/16"	1-5/8"	5/8"	1-1/2"	7 ft lbs	50	500
DB38	3/8"	2"	3/4"	1-3/4"	10 ft lbs	50	250
DB12	1/2"	2-1/2"	7/8"	2-1/4"	20 ft lbs	25	250
DB58	5/8"	2-3/4"	1"	2-1/2"	20 ft lbs	25	125
DB34	3/4"	3-15/16"	1-1/4"	3-1/2"	60 ft lbs	10	50



## Single Expansion Anchors

The single expansion anchor can be used in concrete, block, brick and stone. The anchor consists of a set of expansion shields and an expander cone. The product is manufactured from zinc alloy. As the anchor is tightened, the cone gets drawn into the expansion shield which compresses them against the base material. This product is not recommended in overhead applications.

### APPLICATIONS:

- Cable trays
- Scaffolding
- Handrails
- Signage
- Strut
- Machinery
- Light fixtures
- Sprinkler pipe

### FEATURES AND BENEFITS:

- Internal thread accepts machine bolts
- Corrosion resistance
- Easy to remove installations

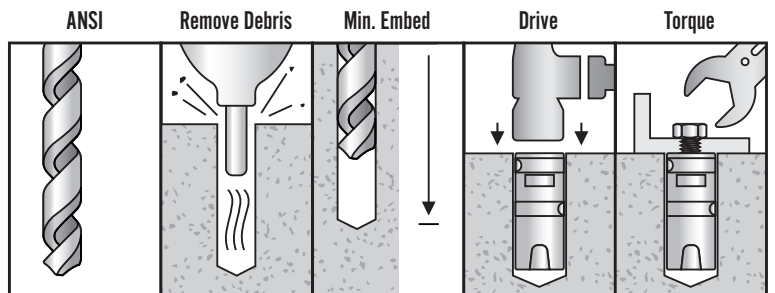
### BASE MATERIAL:

- Concrete
- Grout filled block
- Brick
- Stone

### ANCHOR COMPONENT MATERIALS:

Zinc Alloy

Part ID	Description	Overall Length	ANSI Drill Diameter	Min. Embed	Max. Torque	Box Quantity	Carton Quantity
SNG14	1/4"	1-5/16"	1/2"	1-3/8"	5 ft. lbs	50	250
SNG516	5/16"	1-1/2"	5/8"	1-5/8"	7 ft. lbs	50	250
SNG38	3/8"	1-1/2"	5/8"	1-5/8"	10 ft. lbs	50	250
SNG12	1/2"	2-1/16"	7/8"	2-1/2"	20 ft. lbs	25	125
SNG58	5/8"	2-5/8"	1"	2-3/4"	30 ft. lbs	25	125





# Lag Shields

The Aerosmith Lag Shield can be used to anchor into a variety of base materials such as concrete, brick and grout filled block. Although best suited for light to medium duty fastening. Lag Shield Anchors are available in 1/4", 5/16", 3/8", 1/2", 5/8" diameters, and are available in both short and long versions. The short version is typically used on harder base materials while the longer lag shield are typically used on softer base materials where more embedment is required. Lag shields are made from zinc which enables them to be used in many different environmental conditions. To set, drill the proper size hole, tap lag shield into the base material, put fixture in place and thread machine bolt into the lag shield until tight. The fixture is removable because the lag shield anchor remains in the hole and only the lag screw can be unscrewed and removed. Not recommended for overhead applications.

## APPLICATIONS:

- Light to medium duty signage
- Electrical boxes
- Hand rails
- Anchoring strut to masonry walls

## FEATURES AND BENEFITS:

- Removable
- Can be used in a variety of base materials
- Non-corrosive

## BASE MATERIAL:

- Concrete
- Grout filled block
- Brick

## ANCHOR COMPONENT MATERIALS:

Zinc Alloy

Part ID	Description	ANSI Drill Diameter	Min. Embed	Max. Torque	Box Quantity	Carton Quantity
LS14S	1/4" Short	1/2"	1"	5 ft lbs	50	500
LS14L	1/4" Long	1/2"	1-1/2"	5 ft lbs	50	500
LS516S	5/16" Short	1/2"	1-1/4"	7 ft lbs	50	500
LS516L	5/16" Long	1/2"	1-3/4"	7 ft lbs	50	500
LS38S	3/8" Short	5/8"	1-3/4"	10 ft lbs	50	500
LS38L	3/8" Long	5/8"	2-1/2"	10 ft lbs	50	250
LS12S	1/2" Short	3/4"	2"	20 ft lbs	50	500
LS12L	1/2" Long	3/4"	3"	20 ft lbs	50	200
LS58S	5/8" Short	7/8"	2"	30 ft lbs	25	125

