Expansion Shield Anchors

SELECTION GUIDE

Lag-Shield Anchors

Lag Shield Part Number	Anchor Size (in)	Drill Dia (in)	Min. Shield Length (in)	Avg Ultimate Capacity (lbs)
51202	1/4	1/2	1	400
51203	5/16	1/2	1 1/4	800
51204	3/8	5/8	1 3/4	1300
51205	1/2	3/4	2	2100
51206	5/8	7/8	2	2500
51207	3/4	1	2	3000
51212	1/4	1/2	1 1/2	500
51213	5/16	1/2	1 3/4	1000
51214	3/8	5/8	2 1/2	1600
51215	1/2	3/4	3	2800
51216	5/8	7/8	3 3/8	3500
51217	3/4	1	3 1/2	4000

Screw Anchors

Rock River Lead Screw Anchors

These lead alloy anchors are for use in concrete, block or brick. Use in conjunction with sheet metal or wood screws.



RED HEAD CONCRETE ANCHORING SPECIALISTS

Can't find what you need? Fastenal Manufacturing can make custom parts to suit your needs!

and the second second

Diameter - #	6					
Part No.	Length	Head	Drive	Material	Pkg. Qty.	Hole Size
50992	3/4"			Lead	100	1/4"
50993	1"			Lead	100	1/4"
50994	1-1/2"			Lead	100	1/4"
Diameter - #	10					
Part No.	Length	Head	Drive	Material	Pkg. Qty.	Hole Size
50995	1"			Lead	100	5/16"
50996	1-1/2"			Lead	100	5/16"

SELECTION GUIDE

Screw Anchors					
Part Number	Anchor Size	Drill Dia (in)	Length (in)	Avg. Ultimate Capacity (lbs.)	
50992	6-8 x 3/4"		3/4	88	
50993	6-8 x 1"	1/4	1	122	
50994	6-8 x 1-1/2"		1 1/2	192	
50995	10-14 x 1"		1	360	
50996	10-14 x 1-1/2"	5/16	1 1/2	800	
50997	16-18 x 1-1/2"		1 1/2	940	

Note 1: Information provided for use by qualified engineers. Misuse of the information could cause serious damage or injury. Note 2: Ultimate values shown per A-A-55615. The allowable load is determined by using 1/4 of the maximum tensile and shear capacities for a 4:1 safety factor. Note 3: Tested to ASTM E488 Test Standard Note 4: Use only ANSI B212.15 drill bit dimensions. Note 5: On-site testing should be conducted if actual data is desired. Shield lengths and tension values may vary with manufacturer.

Bolt Anchors

ITW Red Head Stud Anchors

Install these permanent steel expansion anchors right through the object you are fastening. Drop the anchor into a pre-drilled hole, set it with a hammer. and thread on washer and nut (not included) Anchor

diameter	is equal	to arill c	llameter.			
Part No.	Diameter	Finish	Material	Minimum Embedment	Overall Length	Pkg. Qty.
50702	1/4"	Zinc	Steel	1-3/8"	1-3/4"	100
50703	1/4"	Zinc	Steel	1-3/8"	2-1/4"	100
50704	1/4"	Zinc	Steel	1-3/8"	3-1/4"	100
50705	3/8"	Zinc	Steel	1-5/8"	2-1/4"	50
50706	3/8"	Zinc	Steel	1-5/8"	3"	50
50707	3/8"	Zinc	Steel	1-5/8"	3-3/4"	50
50709	1/2"	Zinc	Steel	1-7/8"	2-3/4"	25
50710	1/2"	Zinc	Steel	1-7/8"	4-1/4"	25
50711	1/2"	Zinc	Steel	1-7/8"	5-1/4"	25
50716	3/4"	Zinc	Steel	2-7/8"	6-1/4"	10

Taper Bolt Anchors

Vibration resistant taper bolt anchors have approximately 25% more holding power than wedge type anchors and 75% more holding power than sleeve type anchors.

Part No.	Diameter	Finish	Material	Hole Size	Overall Length	Pkg. Qty.
51508	1/2"	Zinc	Steel	1/2"	2-7/8"	25
51509	1/2"	Zinc	Steel	1/2"	4"	25
51521	1"	Zinc	Steel	1"	7-1/4"	5

Taper Bolt Anchor Nuts

Part No.	Diameter	Finish	Material	Pkg. Qty.
51524	1/2"	Zinc	Steel	50
51526	3/4"	Zinc	Steel	50

Caulk-In Anchors

Coulk In Anohoro

Rock River Caulk-In Anchors

Also known as machine-screw anchors, these anchors can be used in concrete, brick and other solid masonry. Anchor consists of a threaded zinc-alloy cone and a lead sleeve The cone is chamfered at the top for easy screw starting.

Part No.	Diameter	Length	Material	Hole Diameter	
51004	#10	5/8"	Steel	3/8"	
51006	1/4"	7/8"	Steel	1/2"	
51007	5/16"	1"	Steel	5/8"	
51008	3/8"	1-1/4"	Steel	3/4"	
51009	1/2"	1-1/2"	Steel	7/8"	

SELECTION GUIDE

Part Number		Anchor Size (dia y length)	Drill Dia (in)	Avg Ultimate Capaci	
Anchor	Setting Tool	Allenoi bize (ula x lengui)		(lbs)	
51004	51014	10-24 x 5/8"	3/8	300	
51006	51016	1/4"-20 x 7/8"	1/2	500	
51007	51017	5/16"-18 x 1"	5/8	850	
51008	51018	3/8"-16 x 1-1/4"	3/4	1250	
51009	51019	1/2"-13 x 1-1/2"	7/8	2300	

Note 1: Information provided for use by qualified engineers. Misuse of the information could cause serious damage or injury. Note 2: Ultimate values shown per A-A-1922A. The allowable load is determined by using 1/4 of the maximum tensile and shear capacities for a 4:1 safety factor. Note 3: Tested to ASTM E488 Test Standard Note 4: Use only ANSI B212.15 drill bit dimensions. Note 5: On-site testing should be conducted if actual data is desired. Shield lengths and tension values may vary with manufacturer.

Caulk-In Anchor Set Tools

Drill hole and insert threaded end of anchor first until it's flush with surface. Use tool to expand lead sleeve into masonry. Set anchor with several sharp hammer blows.

Part No.	Diameter	Туре
51013	#8	Caulk-In Anchor Set Tool
51016	1/4"	Caulk-In Anchor Set Tool
51017	5/16"	Caulk-In Anchor Set Tool
51018	3/8"	Caulk-In Anchor Set Tool
51019	1/2"	Caulk-In Anchor Set Tool

Screw Anchor Expander for Caulking Anchor Model 868

Quickly and securely set expansive screw anchors in masonry, regardless of thickness. Hardened alloy steel. Patented.



Part No.	Diameter	Thread Size
52190	#10	24
52192	1/4"	20
52194	3/8"	16

Expansion Precast Concrete Inserts

Precast concrete inserts: diecast out of solid zinc alloy - the insert is designed for use in precast or pour in place concrete to obtain a rustproof threaded hole in the concrete.

Diameter	- 1/4"		Diameter	Diameter - 1/2"		
Part No.	Length	Material	Part No.	Length	Material	
51422	1-1/2"	Steel	51424	1-1/2"	Steel	
Diameter	- 3/8"	· · · · · · · · · · · · · · · · · · ·	51436	2-7/8"	Steel	
Part No.	Length	Material	Diameter	- 5/8"		
51423	1"	Steel	Part No.	Length	Material	
51435	1-3/8"	Steel	51425	1-11/16"	Steel	
			51437	2-7/8"	Steel	





Diameter - 3/4"				
Part No.	Length	Material		
51438	2-7/8"	Steel		

(RI

3 - 325

V
6
<u> </u>
T
3