



## Product Description

Bolt anchor (used with machined bolt or threaded rod). Internal threading. Installs flush to surface. Good for static or vibratory loads. Corrosion resistant. Available sizes: from 1/4" to 3/4".

## Features & Benefits

- ▶ Bolt Anchor (used with Machined Bolt or Threaded Rod)
- ▶ Internal Thread in
- ▶ Installs flush to surface
- ▶ Good for static or vibratory loads
- ▶ Corrosion resistant
- ▶ Available sizes: from 1/4" to 3/4"

## Perfect for:



Electrical boxes, Railings, Sewage Pipes etc...

## Packaging:



## Single Expansion Shield



## Product sizes & Materials

Zinc aluminum alloy

1/4 "  
5/16 "  
3/8 "  
1/2 "  
5/8 "  
3/4 "

## Suitable Base Materials

- ▶ Brick
- ▶ Concrete



## Single Expansion Shield



### Load Capacities



Material	Size	Material	Drill Size	Min. Embedment	PULL MAX lbs	PULL SAFE lbs	SHEAR MAX lbs	SHEAR SAFE lbs	PULL MAX kg	PULL SAFE kg	SHEAR MAX kg	SHEAR SAFE kg
Concrete 3000 PSI	1/4 "	Zinc	1/2"	1-15/16"	885	221	1585	396	401	100	719	180
	5/16 "	Zinc	5/8"	1-1/2"	1380	345	2045	511	626	156	928	232
	3/8 "	Zinc	5/8"	1-1/2"	1660	415	3590	898	753	188	1628	407
	1/2 "	Zinc	7/8"	2-1/16"	2990	748	5345	1336	1356	339	2424	606
	5/8 "	Zinc	1"	2-5/8"	4950	1238	10710	2678	2245	561	4858	1214
	3/4 "	Zinc	1-1/4"	2-3/4"	6415	1604	14560	3640	2910	727	6604	1651



Material	Size	Material	Drill Size	Min. Embedment	PULL MAX lbs	PULL SAFE lbs	SHEAR MAX lbs	SHEAR SAFE lbs	PULL MAX kg	PULL SAFE kg	SHEAR MAX kg	SHEAR SAFE kg
Concrete 4000 PSI	1/4 "	Zinc	1/2"	1-15/16"	2000	500	1620	405	907	227	735	184
	5/16 "	Zinc	5/8"	1-1/2"	2100	525	2375	594	953	238	1077	269
	3/8 "	Zinc	5/8"	1-1/2"	2900	725	3795	949	1315	329	1721	430
	1/2 "	Zinc	7/8"	2-1/16"	4900	1225	6155	1539	2223	556	2792	698
	5/8 "	Zinc	1"	2-5/8"	8200	2050	11410	2853	3719	930	5175	1294
	3/4 "	Zinc	1-1/4"	2-3/4"	10060	2515	17775	4444	4563	1141	8063	2016

### Tools required



### Installation instructions

1. Drill the appropriate size hole into the base material (refer to chart above for drill size).
2. Insert the Single Expansion Shield into the drilled hole.
3. Insert bolt through object you need to affix and insert into the Single Expansion Shield.
4. Using a wrench, turn clockwise until there is a firm resistance.

