



### Product Description

Internal threaded bolt anchor (used with machine bolt). Internal Thread. Installed flush with surface. Good for static or vibratory loads. Corrosion resistant. Note.: Not recommended for overhead sprinkler systems in California.

### Features & Benefits

- ▶ Internal threaded bolt anchor (used with machine bolt)
- ▶ Internal thread
- ▶ Installed flush with surface
- ▶ Good for static or vibratory loads
- ▶ Corrosion resistant

### Perfect for:



Electrical boxes, Railings, Sewage Pipes, etc...

### Packaging:



### Double Expansion Shield



### Product sizes & Materials

Zinc

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

### Suitable Base Materials

- ▶ Brick
- ▶ Concrete



## Double 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"	1290	323	1585	396	585	146	719	180
	5/16 "	Zinc	5/8"	1-1/2"	1610	403	2040	510	730	183	925	231
	3/8 "	Zinc	5/8"	1-1/2"	2275	569	3590	898	1032	258	1628	407
	1/2 "	Zinc	7/8"	2-1/16"	4710	1178	5345	1336	2136	534	2424	606
	5/8 "	Zinc	1"	2-5/8"	5045	1261	10710	2678	2288	572	4858	1214
	3/4 "	Zinc	1-1/4"	2-3/4"	10005	2501	14565	3641	4538	1135	6607	1652



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"	1650	413	1620	405	748	187	735	184
	5/16 "	Zinc	5/8"	1-1/2"	2200	550	2375	594	998	249	1077	269
	3/8 "	Zinc	5/8"	1-1/2"	3500	875	4000	1000	1588	397	1814	454
	1/2 "	Zinc	7/8"	2-1/16"	6500	1625	6155	1539	2948	737	2792	698
	5/8 "	Zinc	1"	2-5/8"	7000	1750	11410	2853	3175	794	5175	1294
	3/4 "	Zinc	1-1/4"	2-3/4"	14000	3500	17775	4444	6350	1588	8063	2016

*\*\*Always use safe load capacities*

### Installation instructions

1. Drill a pilot hole into material (click on "Technical Specifications" for appropriate drill sizes.)
2. Insert the Double Expansion Shield into material.
3. Insert bolt through object you need to afix and insert into the Double Expansion Shield.
4. Using a wrench, screw clockwise until there is a firm resistance.

### Tools required

