



1RTB TOGGLE BOLT ANCHOR

PAN HEAD ZINC



Toggle bolts are a hollow wall anchor designed for use in block, wallboard, plaster, plywood as well as other hollow base materials. Toggle bolts are a two-part assembly consisting of a machine screw and a wing toggle.

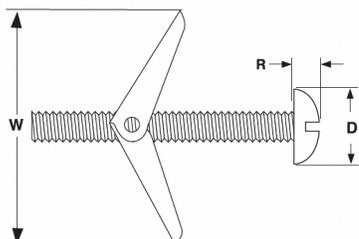
APPLICATIONS & ADVANTAGES

- Light Duty Anchors
- For Use in Hollow Block or Gypsum Wallboard
- Spread the Load Over a Larger Area
- More Temperature Resistant Than Other Hollow Wall Anchors
- Single-Use Anchors

MATERIAL SPECIFICATIONS

Description	A fastening system consisting of (1) two matching steel "wings" each bent at two 90° angles, (2) an internally threaded nut with protrusions spaced 180° apart which serves as a pivot attaching the two wings, (3) a wire spring providing the necessary tension to open and close the wings, and (4) a machine screw which mates with the nut.
Material	Wing Body: AISI 1008-1010 or Equivalent Cold Rolled Steel Trunnion Nut: 1/4" thru 3/8": AISI 1010 Steel: 1/2": Zamac Alloy Screw: Carbon Steel
Tensile & Shear Strength	Ultimate load capacities for toggle bolts in various materials are listed in technical information. The suggested safe working load is 1/4 the loads listed here.
Plating	Toggle bolts are commonly supplied with a clear zinc finish.

TECHNICAL INFORMATION



Anchor Size	Thread Size	Drill Bit Size	R		D		W	Performance Information				
			Round Head Height		Round Head Height			In 1/2" Wallboard		In Hollow Block		
			Max	Min	Max	Min		Tensile (lbs.)	Shear (lbs.)	Embed. Depth	Tensile (lbs.)	Shear (lbs.)
1/8"	6-32	3/8"	.103	.091	.260	.240	1-1/16"	200	205	3/8"	310	270
3/16"	10-24	1/2"	.137	.123	.359	.334	1-3/4"	245	280	1/2"	430	700
1/4"	1/4-20	5/8"	.175	.160	.472	.443	1-1/2"	310	350	5/8"	830	1,390
5/16"	5/16-18	7/8"	.216	.198	.590	.557	2-1/8"	330	420	7/8"	1,070	2,980
3/8"	3/8-16	7/8"	.256	.237	.708	.670	2-1/8"	340	440	7/8"	1,385	3,120
1/2"	1/2-13	1-1/4"	.355	.332	.813	.766	3"	435	470	1-1/4"	2,550	3,620