TECHNICAL DATA SHEET

Product Image



Toggle Bolt

Toggle Bolts, or butterfly anchors, are a light to medium duty anchor intended to be used in hollow block, wallboard, plaster, plywood, and other hollow base materials. Once fully opened, Toggle Bolts significantly expand the surface area making contact with the back of the hollow wall. This spreads out the load of the fastened object, increasing the weight that can be secured. The maximum weight a Toggle Bolt supports, depends on the size of the bolt and the thickness of the substrate. To accommodate the Toggle, installation requires a relatively large hole compared to other types of hollow wall anchors.

Allowable Load Capacities for Toggle Bolts

PN#	Screw Size	Drive Type	3/8" Drywall[1,2,3]		1/2" Drywall[1,2,3]	
			Tension/lbs	Shear/lbs	Tension/lbs	Shear/lbs
1/8" (6-32)						
TBC82	1/8" x 2"	Phillips/Slotted	30	30	40	35
TBC83	1/8" x 3"	Phillips/Slotted	30	30	40	35
TBC84	1/8" x 4"	Phillips/Slotted	30	30	40	35
TB82DS	1/8" x 2"	Square/Slotted	30	30	40	35
TB83DS	1/8" x 3"	Square/Slotted	30	30	40	35
TB84DS	1/8" x 4"	Square/Slotted	30	30	40	35
3/16" (10-24)						
TBC362	3/16" x 2"	Phillips/Slotted	35	35	45	50
TBC363	3/16" x 3"	Phillips/Slotted	35	35	45	50
TBC364	3/16" x 4"	Phillips/Slotted	35	35	45	50
TBC366	3/16" x 6"	Phillips/Slotted	35	35	45	50
TB362DS	3/16" x 2"	Square/Slotted	35	35	45	50
TB363DS	3/16" x 3"	Square/Slotted	35	35	45	50
TB364DS	3/16" x 4"	Square/Slotted	35	35	45	50

1. Allowable load capacities listed are calculated using an applied safety factor of 4.0.
2. The consistency of drywall varies greatly, these load capacities should be used as guidelines only.
3. Toggle wings must be in the fully "open" position to achieve the listed load capacities.

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PN#	Screw Size	Drive Type	3/8" Drywall[1,2,3]		1/2" Drywall[1,2,3]	
			Tension/lbs	Shear/lbs	Tension/lbs	Shear/lbs
1/4" - 20						
TBC42	1/4" x 2"	Phillips/Slotted	55	55	60	60
TBC43	1/4" x 3"	Phillips/Slotted	55	55	60	60
TBC44	1/4" x 4"	Phillips/Slotted	55	55	60	60
TBC45	1/4" x 5"	Phillips/Slotted	55	55	60	60
TBC46	1/4" x 6"	Phillips/Slotted	55	55	60	60
TB43DS	1/4" x 3"	Square/Slotted	55	55	60	60
TB44DS	1/4" x 4"	Square/Slotted	55	55	60	60
3/8" - 16						
TBC383	3/8" x 3"	Phillips/Slotted	60	65	65	75
TBC384	3/8" x 4"	Phillips/Slotted	60	65	65	75
TBC385	3/8" x 5"	Phillips/Slotted	60	65	65	75
TBC386	3/8" x 6"	Phillips/Slotted	60	65	65	75

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