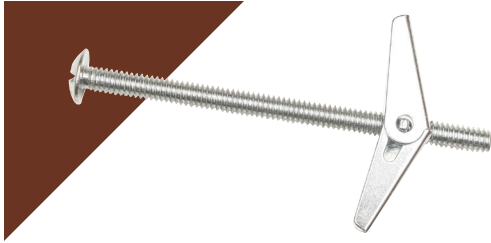


Standard Wing Toggles



Key Features/Benefits

- Two-part assembly consisting of a machine bolt and a spring wing toggle
- Wing toggle spreads load over a wide area
- Snap-open action eases installation
- Zinc-plated carbon steel only

Specifications, Listings and Approvals

Materials:

- Wings – AISI 1010
- Bolt – Carbon Steel

Finish: Zinc Plated ASTM B633

Toggle Bolts: Allowable Load Capacities In Hollow Concrete Masonry

| Anchor Dia. (in.) | Drill Dia. (in.) | Allowable Load [†] (lb.) | |
|----------------------|---------------------|--------------------------------------|-------|
| | | Tension | Shear |
| 1/8 | 1/2 | 45 | 43 |
| 3/16 | 9/16 | 85 | 80 |
| 1/4 | 11/16 | 85 | 130 |
| 3/8 | 1 | 200 | 150 |

†1,500 psi Grade N, Type II medium and normal, Type N mortar min.

Order Information

| Catalog Number | Bolt Size (in.) | Drill Dia. (in.) | Thread Size UNC | Quantity | |
|----------------------------|-----------------|------------------|-----------------|----------|--------|
| | | | | Box | Carton |
| Mushroom Head Combo | | | | | |
| TBM1820 | 1/8 x 2 | 1/2 | 6-32 | 50 | 500 |
| TBM1830 | 1/8 x 3 | 1/2 | 6-32 | 50 | 500 |
| TBM1840 | 1/8 x 4 | 1/2 | 6-32 | 50 | 500 |
| TBM3620 | 3/16 x 2 | 9/16 | 10-24 | 50 | 500 |
| TBM3630 | 3/16 x 3 | 9/16 | 10-24 | 50 | 500 |
| TBM3640 | 3/16 x 4 | 9/16 | 10-24 | 50 | 500 |
| TBM3650 | 3/16 x 5 | 9/16 | 10-24 | 50 | 500 |
| TBM3660 | 3/16 x 6 | 9/16 | 10-24 | 50 | 400 |
| TBM1430 | 1/4 x 3 | 11/16 | 1/4-20 | 50 | 400 |
| TBM1440 | 1/4 x 4 | 11/16 | 1/4-20 | 50 | 400 |
| TBM1450 | 1/4 x 5 | 11/16 | 1/4-20 | 50 | 400 |
| TBM1460 | 1/4 x 6 | 11/16 | 1/4-20 | 50 | 400 |
| TBM3830 | 3/8 x 3 | 1 | 3/8-16 | 25 | 200 |
| TBM3840 | 3/8 x 4 | 1 | 3/8-16 | 25 | 200 |
| TBM3850 | 3/8 x 5 | 1 | 3/8-16 | 25 | 200 |
| TBM3860 | 3/8 x 6 | 1 | 3/8-16 | 25 | 200 |

Allowable Load Capacities In Wallboard

| Bolt Dia. | 1/8" | | 3/16" | | 1/4" | | 5/16" | | 3/8" | | 1/2" | |
|-----------|---------------|-------------|---------------|-------------|---------------|-------------|---------------|-------------|---------------|-------------|---------------|-------------|
| | Tension (lb.) | Shear (lb.) | Tension (lb.) | Shear (lb.) | Tension (lb.) | Shear (lb.) | Tension (lb.) | Shear (lb.) | Tension (lb.) | Shear (lb.) | Tension (lb.) | Shear (lb.) |
| 3/8 | 30 | 30 | 35 | 35 | 55 | 55 | 60 | 60 | 60 | 60 | 65 | 65 |
| 1/2 | 35 | 35 | 45 | 45 | 60 | 60 | 65 | 65 | 65 | 65 | 80 | 80 |
| 5/8 | 45 | 45 | 60 | 60 | 65 | 65 | 70 | 70 | 75 | 75 | 95 | 95 |
| 3/4 | 55 | 55 | 70 | 70 | 75 | 75 | 80 | 80 | 85 | 85 | 100 | 100 |