

Hollow Wall Anchors



Description

The Hollow Wall anchor is a pre-assembled hollow wall anchor with a sleeve expansion. They will work in a variety of applications such as; wallboard, concrete block, plaster, plywood and hollow tiles. After proper installation, the screw can be removed or replaced without affecting the anchor. They are available in two versions: standard and drive. Hollow wall drive anchors allow fast installation, since no pre-drilling is required.



Key Features & Benefits

- ▶ Greater holding power than nails or screws in hollow walls
- ▶ Fixtures can be removed or replaced without removing anchor
- ▶ Hollow wall drive anchors do not require pre-drilling – drive into walls in seconds
- ▶ Medium to light duty applications

Specifications, Listings and Approvals

Anchor/ Machine Screw Sizes:

1/8" – 1/4"

Material:

Anchor Body: AISI 1010

Machine Screw: Carbon Steel

Finish: Zinc plated to ASTM B633

Installation Information

Instructions

1. Drill the correct diameter hole through the base material.
 - a. Hollow Drive Anchors do not require predrilling and can be installed directly into wallboard.
2. Gently tap the anchor through the hole until flush with the material.
3. Apply pressure and tighten screw until anchor is set.
4. Remove screw and position fixture.
5. Reinstall screw through fixture into anchor body.

NOTE: Always wear safety glasses. Normal safety precautions should be observed when drilling the holes to avoid electrical installations, other utilities and reinforcement bars.

Installation Data

Anchor Dia. (in.)	Drill Bit Dia. (in.)	Collar Diameter (in.)	Body Diameter (in.)	Thread Size (UNC)
1/8	5/16	1/2	17/64	6 - 32
3/16	3/8	5/8	3/8	10 - 24
1/4	7/16	11/16	7/16	1/4 - 20



Performance Data

Allowable Loads (lbs.) – Wallboard

Anchor Dia. (in.)	3/8" Wallboard		1/2" Wallboard		5/8" Wallboard		3/4" Wallboard	
	Tension	Shear	Tension	Shear	Tension	Shear	Tension	Shear
1/8	20	25	40	40	40	45	45	45
3/16	25	35	45	45	50	55	50	55
1/4	25	35	50	50	55	55	60	60

*Allowable load capacities are calculated using an applied safety factor of 4:1

Ultimate Loads (lbs.) – Wallboard

Anchor Dia. (in.)	3/8" Wallboard		1/2" Wallboard		5/8" Wallboard		3/4" Wallboard	
	Tension	Shear	Tension	Shear	Tension	Shear	Tension	Shear
1/8	80	100	160	160	160	180	180	180
3/16	100	140	180	180	200	220	200	220
1/4	100	140	200	200	220	220	240	240

*Allowable load capacities are calculated using an applied safety factor of 4:1

Allowable Loads (lbs.) – Plywood

Anchor Dia. (in.)	1/8" Plywood		1/4" Plywood		3/8" Plywood		1/2" Plywood		5/8" Plywood	
	Tension	Shear	Tension	Shear	Tension	Shear	Tension	Shear	Tension	Shear
1/8	25	23	28	100	50	105	70	105	100	105
3/16	-	-	-	-	78	133	100	148	120	153
1/4	-	-	-	-	95	175	115	200	138	220

*Allowable load capacities are calculated using an applied safety factor of 4:1

Ultimate Loads (lbs.) – Plywood

Anchor Dia. (in.)	1/8" Plywood		1/4" Plywood		3/8" Plywood		1/2" Plywood		5/8" Plywood	
	Tension	Shear	Tension	Shear	Tension	Shear	Tension	Shear	Tension	Shear
1/8	100	90	110	400	200	420	280	420	400	420
3/16	-	-	-	-	310	530	400	590	480	610
1/4	-	-	-	-	380	700	460	800	550	880

*Allowable load capacities are calculated using an applied safety factor of 4:1

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Order Information



Hollow Wall Anchors						
Catalog No.	Description	Anchor Dia. (in.)	Drill Dia. (in.)	Wall Thickness (in.)	Quantity Box	Quantity Carton
HWXS18	Extra Short	1/8	5/16	1/8 – 1/4	100	2000
HWS18	Short	1/8	5/16	1/8 – 1/2	100	2000
HWS36	Short	3/16	3/8	1/8 – 5/8	50	1000
HWS14	Short	1/4	7/16	1/8 – 5/8	50	500
HWL18	Long	1/8	5/16	5/8 – 7/8	100	1000
HWL36	Long	3/16	3/8	5/8 – 1-1/4	50	500
HWL14	Long	1/4	7/16	5/8 – 1-1/4	50	500



Hollow Wall Drive Anchors						
Catalog No.	Description	Anchor Dia. (in.)	Drill Dia. (in.)	Wall Thickness (in.)	Quantity Box	Quantity Carton
HWLD18	Short Drive	1/8	5/16	5/8 – 3/4	100	1000
HWSD18	Long Drive	1/8	5/16	1/8 – 1/2	100	1000

