

Hollow Drop-In Internally Threaded Anchor

The Simpson Strong-Tie® Hollow Drop-In Anchor (HDIA) is an internally threaded, flush-mount expansion anchor for use in hollow materials such as CMU and hollow-core plank, as well as in solid base materials such as brick, normal-weight and lightweight concrete.

Features

- Suitable for suspending conduit, cable trays, pipe supports, fire sprinklers and suspended lighting into concrete
- Expansion design allows HDIA to anchor into CMU, hollow-core plank, brick, normal-weight concrete and lightweight concrete
- Internally threaded anchor allows for easy bolt removal

Codes: Factory Mutual 3053987

($\frac{3}{8}$ "– $\frac{1}{2}$ " diameter);

Underwriters Laboratories File Ex3605

($\frac{3}{8}$ "– $\frac{1}{2}$ " diameter)

Material: Die-cast Zamac 3 alloy shell with carbon-steel cone or 304 stainless-steel cone



Hollow Drop-In Anchor (HDIA)



Hollow Drop-In Anchor

Size (in.)	Model No.	Drill Bit Diameter (in.)	Threads (per in.)	Overall Anchor Length (in.)	Quantity	
					Package Qty.	Carton Qty.
$\frac{1}{4}$	HDIA25	$\frac{3}{8}$	20	$\frac{3}{4}$	100	1,600
$\frac{1}{4}$	HDIA25SS	$\frac{3}{8}$	20	$\frac{3}{4}$	100	1,600
$\frac{5}{16}$	HDIA31	$\frac{5}{8}$	18	$1\frac{1}{4}$	50	200
$\frac{3}{8}$	HDIA37	$\frac{5}{8}$	16	$1\frac{1}{4}$	50	200
$\frac{3}{8}$	HDIA37SS	$\frac{5}{8}$	16	$1\frac{1}{4}$	50	200
$\frac{1}{2}$	HDIA50	$\frac{3}{4}$	13	$1\frac{3}{4}$	50	200
$\frac{5}{8}$	HDIA62	1	11	2	25	125

Hollow Drop-In Internally Threaded Anchor

HDIASTH Setting Tool for Hollow Materials

Setting tool designed to set the Hollow Drop-In internally threaded anchor in hollow materials such as CMU and hollow-core plank.

Model No.	Description	Size (in.)	Carton Qty.
HDIASTH25	Setting tool for use with Hollow Drop-In models HDIA25, HDIA25SS	1/4	25
HDIASTH31	Setting tool for use with Hollow Drop-In model HDIA31	5/16	25
HDIASTH37	Setting tool for use with Hollow Drop-In models HDIA37, HDIA37SS	3/8	25
HDIASTH50	Setting tool for use with Hollow Drop-In model HDIA50	1/2	25
HDIASTH62	Setting tool for use with Hollow Drop-In model HDIA62	5/8	10



**HDIASTH
Setting Tool**

Mechanical Anchors

1. Tools sold separately. Tools may be ordered by the piece.

HDIASTS Setting Tool for Solid Materials

Setting tool designed to set the Hollow Drop-In internally threaded anchor in solid materials such as brick, normal-weight and lightweight concrete.



HDIASTS Setting Tool

Model No.	Description	Size (in.)	Box Qty.	Carton Qty.
HDIASTS25	Setting tool for use with Hollow Drop-In models HDIA25, HDIA25SS	1/4	25	125
HDIASTS31-37	Setting tool for use with Hollow Drop-In models HDIA31, HDIA37, HDIA37SS	5/16 – 3/8	10	50
HDIASTS50	Setting tool for use with Hollow Drop-In model HDIA50	1/2	10	50
HDIASTS62	Setting tool for use with Hollow Drop-In model HDIA62	5/8	5	20

1. Tools sold separately. Tools may be ordered by the piece.

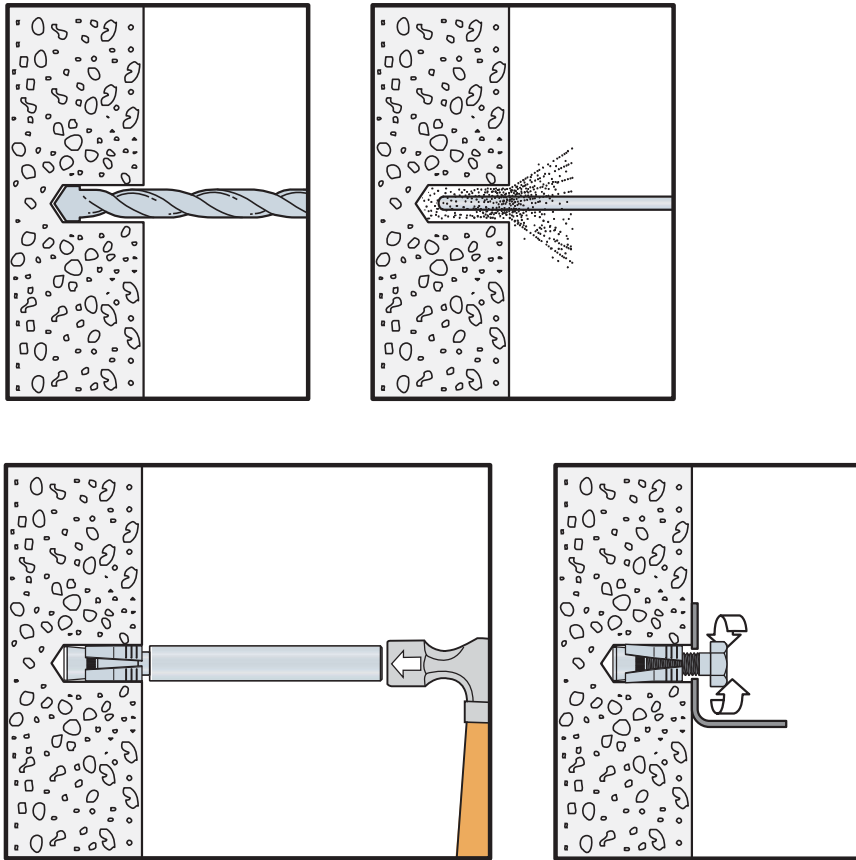
Hollow Drop-In Internally Threaded Anchor

Installation Instructions:

Solid Base (using solid setting tool)

- Drill a hole in the base material using the appropriate diameter carbide drill bit as specified in the table. Drill the hole to the specified embedment depth.
- Blow the hole clean using compressed air. Overhead installations need not be blown clean.
- Insert the HDIA into hole. Tap with hammer until flush against surface.
- Using the designated setting tool, drive the anchor to the bottom of the drilled hole. After the anchor reaches the bottom of the drilled hole, perform an additional three hammer blows against the setting tool to drive the anchor body over the cone.
- Position fixture; insert fastener and tighten.

Mechanical Anchors



Hollow Drop-In Internally Threaded Anchor**Installation Instructions:****Hollow Base (using hollow setting tool)**

- Drill a hole in the base material using the appropriate diameter carbide drill bit as specified in the table.
- Thread the HDIA onto the designated setting tool for hollow base materials.
- Insert the HDIA into the hole. Tap the setting tool until the face of the tool contacts the surface.
- Rotate the setting tool a minimum of two turns to set the anchor.
- Remove the setting tool.
- Position fixture; insert fastener and tighten.

