

Drop-In Short / Drop-In Stainless Steel Internally Threaded Anchor (DIA)

Drop-in anchors are internally threaded drop-in expansion anchors for use in flush-mount applications in solid base materials. Available in stainless steel (DIA) or short (DIAS) version. Minimum thread engagement should be equal to the nominal diameter of the threaded insert.

Mechanical Anchors

Features


- Lipped edge (DIAS) eliminates need for precisely drilled hole depth
- Hand- and power-setting tools available for fast, easy and economical installation
- Fixed-depth stop bit helps you drill to the correct depth every time
- Short length (DIAS) enables shallow embedment to help avoid drilling into rebar or pre-stressed/post-tensioned cables
- Short drop-in anchors include a setting tool compatible with the anchor to ensure consistent installation

Codes: DOT; Factory Mutual 3017082; Underwriters Laboratories File Ex3605. Meets the requirements of Federal Specifications A-A-55614, Type I.

Material: Stainless steel and carbon steel

Coating: Carbon steel; zinc plated

Installation

 **Caution:** The load tables list values based upon results from the most recent testing and may not reflect those in current code reports. Where code jurisdictions apply, consult the current reports for applicable load values.

1. 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 plus 1/8" for flush mounting. Blow the hole clean using compressed air. Overhead installations need not be blown clean.
2. Insert designated anchor into hole. Tap with hammer until flush against surface.
3. Using the designated drop-in setting tool, drive expander plug toward the bottom of the anchor until shoulder of setting tool makes contact with the top of the anchor.
4. Minimum thread engagement should be equal to the nominal diameter of the threaded insert.

 **Caution:** Oversized holes will make it difficult to set the anchor and will reduce the anchor's load capacity.



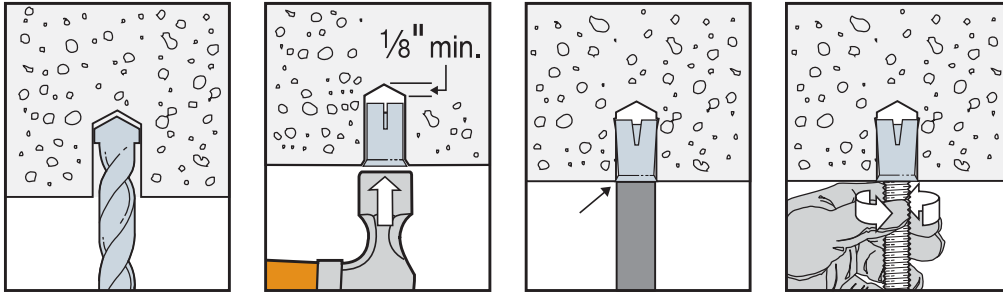
Drop-In
Stainless Steel



Short Drop-In

Drop-In Short / Drop-In Stainless Steel Internally Threaded Anchor (DIA)

Installation Sequence



Drop-In Anchor Product Data — Stainless Steel

Rod Size (in.)	Type 303/304 Stainless Model No.	Type 316 Stainless Model No.	Drill Bit Diameter (in.)	Bolt Threads (per in.)	Body Length (in.)	Thread Length (in.)	Quantity	
							Box	Carton
1/4	DIA25SS	DIA256SS	3/8	20	1	3/8	100	500
3/8	DIA37SS	DIA376SS	1/2	16	1 9/16	5/8	50	250
1/2	DIA50SS	DIA506SS	5/8	13	2	3/4	50	200
5/8	DIA62SS	—	7/8	11	2 1/2	1	25	100
3/4	DIA75SS	—	1	10	3 1/8	1 1/4	20	80

Short Drop-In Anchor Product Data

Rod Size (in.)	Model No.	Drill Bit Diameter (in.)	Bolt Threads (per in.)	Body Length (in.)	Thread Length (in.)	Quantity	
						Box	Carton
3/8	DIA37S ¹	1/2	16	3/4	1/4	100	500
1/2	DIA50S ¹	5/8	13	1	5/16	50	200

1. A dedicated setting tool is included with each box of DIA37S and DIA50S.

Material Specifications

Anchor Component	Component Material		
	Zinc Plated Carbon Steel	Type 303/304 Stainless Steel	Type 316 Stainless Steel
Anchor body	Meets minimum 70,000 psi tensile	AISI 303. Meets chemical requirements of ASTM A582	Type 316
Expander plug	Meets minimum 50,000 psi tensile	AISI 303	Type 316
Thread	UNC/Coil-thread	UNC	UNC