

# Drill-Tec™ Masonry Anchor

Data Sheet

Updated: 1/10



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# DRILL-TEC™ MASONRY ANCHOR

Accessory

### Description

The Drill-Tec™ Masonry Anchor is designed to attach termination bars to concrete or masonry walls. This fastener is available with a long-lasting zinc plated steel pin. There are two diameters available, 1/4" and 3/16". The lengths range from 7/8" to 2".

### Application

Predrill a 1/4" or 3/16" hole using a carbide tip SDS or straight shank drill bit. The diameter of the hole must match the shank diameter of the masonry anchor. The predrilled hole must be a minimum of 1/2" deeper than the anchor embedment. The Drill-Tec™ Masonry Anchor is then installed with a hammer. Minimum fastener embedment into the wall should be 5/8" for the 3/16" shank masonry anchor and 3/4" for the 1/4" shank masonry anchor.

### Advantages

- Typical pull-out values in cured concrete (3000 psi) are 400 lbs. for the 3/16" shank diameter, 800 lbs. for the 1/4" shank diameter zinc alloy anchors.
- Available with long-lasting zinc plated steel pin.
- The GSA number for government projects is FFS-325, Group V, Type 2, Class 3 for zinc alloy anchors.

### Plates & Accessories

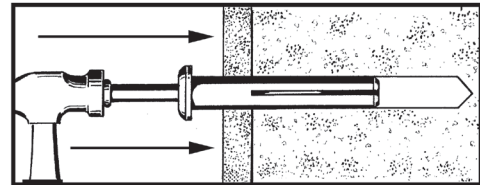
- To be used with channel, lip, or flat termination bars, depending on application.
- Use a 1/4" or 3/16" carbide tip SDS or straight shank drill bit.

### Specifications

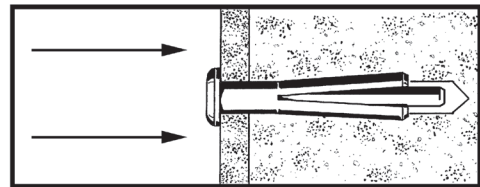
The fastener will be a Drill-Tec™ Masonry Anchor. The fastener must meet GSA specification number FFS-325, Group V, Type 2, Class 3. The fastener must be made in the U.S.A.

### Instructions

1. Insert Drill-Tec™ Masonry Anchor through the mounting holes in the termination bar and into the predrilled hole.
2. Tap lightly until head of anchor body is set gently against the termination bar.



3. Hammer pin flush to expand the body.



### Product Data

All Drill-Tec™ Masonry Anchors are available in 1000 piece bulk cartons or 1000 piece cartons which contain ten 100 piece boxes.

Diameter	3/16" or 1/4"
Material	Zinc Alloy
Pin Material	Zinc Plated Steel

SKU #	Diameter	Length	Packaging	Weight
457D	3/16"	Full	1000	10 lbs
457F	1/4"	2 5/8"	1000	20 lbs
457H	1/4"	3"	1000	22 lbs
457J	1/4"	3"	1000	25 lbs
457L	1/4"	3"	1000	31 lbs

Drill-Tec™  
Masonry Anchor



### Example: Drill-Tec™ Heavy Duty Roofing Fastener Length Selection Procedure

1. If applicable, determine thickness of existing roofing material.
2. Add thickness of new insulation.
3. Add 2" minimum fastener penetration.

**Note:** When pre-drilling, allow extra 1/2".

4. If odd size requirement, always size up in length, not down. See example below.

#### Example

Existing Roofing:	1 3/4"
New Insulation:	+ 1/2"
Min. Embedment:	+ 2"
Total Fastening Range:	= 4 1/4"

**The proper Lite-Deck Fastener for the example is 5".**

#### Use this format to calculate correct fastener size:

Existing Roof:	
New Insulation:	+
Min. Embedment:	+ 2"
Total Fastening Range:	=

**The proper Lite-Deck Fastener is:**