

# **Drill-Tec™** **Masonry Anchor**

Updated: 7/17



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North America's Largest Roofing Manufacturer!™*



# DRILL-TEC™ MASONRY ANCHOR

## 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" (6.35 mm and 4.76 mm). The lengths range from 7/8" (22.2 mm) to 2" (51 mm).

## Application

Predrill a 1/4" (6.35 mm) or 3/16" (4.76 mm) 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" (12.7 mm) 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" (15.9 mm) for the 3/16" (4.76 mm) shank masonry anchor and 3/4" (19.1 mm) for the 1/4" (6.35 mm) shank masonry anchor.

## Advantages

- Typical pull-out values in cured concrete (3000 psi) are 400 lbs. (181 kg) for the 3/16" (4.76 mm) shank diameter and 800 lbs. (363 kg) for the 1/4" (6.35 mm) shank diameter zinc alloy anchors.
- Available with a 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

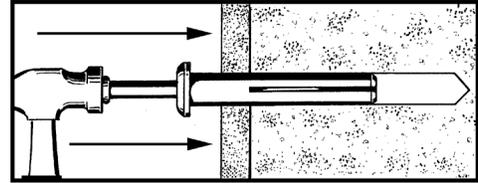
- To be used with channel, lip, or flat termination bars, depending on application.
- Use a 1/4" or 3/16" (6.35 mm or 4.76 mm) carbide-tip SDS or straight shank drill bit.

## Specifications

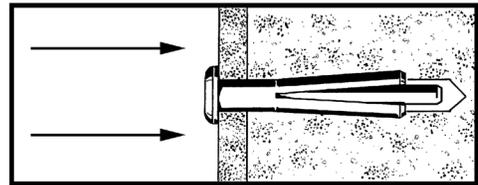
The fastener will be a Drill-Tec™ Masonry Anchor. The fastener must meet GSA specification number FFS-325, Group V, Type 2, Class 3.

## 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 1,000-piece bulk cartons or 1,000-piece cartons, which contain ten 100-piece boxes.

Diameter 3/16" or 1/4" (4.76 mm or 6.35 mm).

Material Zinc Alloy

Pin Material Zinc Plated Steel

Diameter	Length	Packaging (Box)	Weight
3/16" (4.76 mm)	7/8" (22.2 mm)	1,000	9 lb (4.08 kg)
1/4" (6.35 mm)	1" (25.4 mm)	1,000	18 lb (8.16 kg)
1/4" (6.35 mm)	1 1/4" (31.8 mm)	1,000	21 lb (9.53 kg)
1/4" (6.35 mm)	1 1/2" (38.1 mm)	1,000	24 lb (10.89 kg)
1/4" (6.35 mm)	2" (51 mm)	1,000	29 lb (13.15 kg)

Note: All sizes are nominal.

Drill-Tec™  
Masonry Anchor



## Example: Drill-Tec™ Masonry Anchor Length Selection Procedure

1. If applicable, determine thickness of existing roofing material.
2. Add thickness of new insulation.
3. Add 2" (51 mm) minimum fastener penetration.

**Note:** When predrilling, allow extra 1/2" (12.7 mm).

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

### Example

Existing Roofing: 1 3/4" (44.4 mm)  
 New Insulation: + 1/2" (12.7 mm)  
 Min. Embedment: + 2" (51 mm)  
 Total Fastening Range: = 4 1/4" (108 mm)

**The proper Masonry Anchor for the example is 5" (127 mm).**

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

Existing Roof: \_\_\_\_\_  
 New Insulation: + \_\_\_\_\_  
 Min. Embedment: + 2" (51 mm)  
 Total Fastening Range: = \_\_\_\_\_

**The proper Masonry Anchor is:**