

DESCRIPTION

The UCAN Coil Threaded Drop-In Anchor is an internally threaded anchor which is preassembled with an internal expansion plug. The anchor is zinc plated to extend corrosion protection. The stepped installation tool allows for reliable anchor setting. The anchor is designed to deliver consistent holding power at shallow embedment.

FEATURES

- Pre-assembled design for use with coil or rope threaded rod
- Can be used in flush or countersunk applications

LIMITATIONS

- Not recommended for uncured concrete (less than 7 days old), light weight concrete, masonry block or brick.

TYPICAL APPLICATIONS

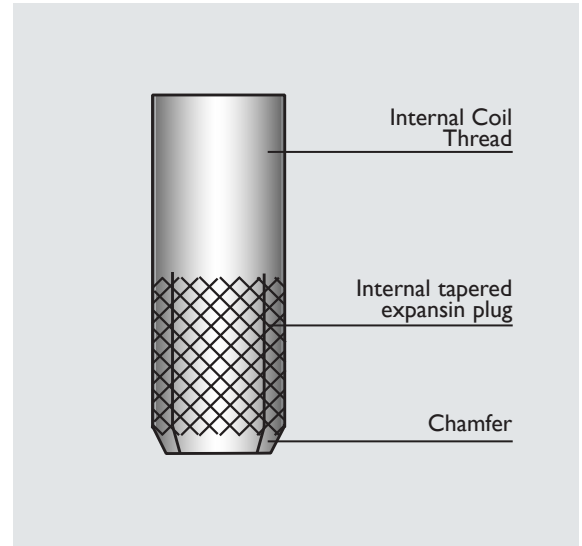
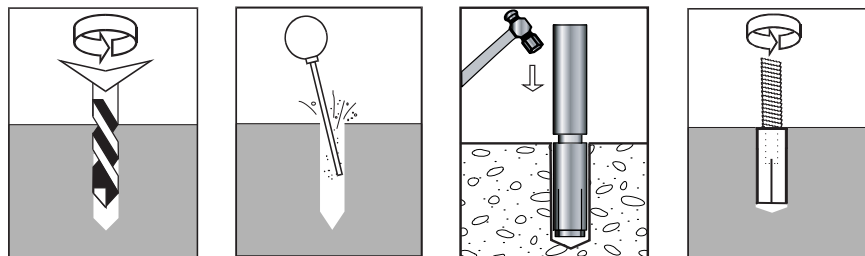
- Concrete formwork

MATERIAL SPECIFICATIONS

Grade AISI C1008 Carbon Steel

- Minimum Tensile Strength - 60,000 psi (420 MPa)
- Average Yield Strength - 36,000 psi (250 MPa)

INSTALLATION



Installation Details

Coil Thread Size	Recommended		Tightening Torque
	Edge Distance	Anchor Spacing	
inch	inch	inch	ft. lbs
1/2	6	5	22
3/4	9	7-1/2	90

COIL THREADED DROP-IN ANCHOR

Anchor Selection

Part No.	Coil Thread Size	Thread Length	Anchor/Hole Diameter	Anchor Length
		inch	inch	inch
CTD1258	1/2" - 6	3/4	5/8	2
CTD341	3/4" - 4.5	1-1/4	1	3-1/8

DESIGN DATA

Average Ultimate Tension Loads

Anchor Size	Embedment	Tension	
		4,000 psi Concrete	2,000 psi Concrete
inch	inch (mm)	lbs (kN)	lbs (kN)
1/2	2 (50)	6,239 (27.7)	5,045 (22.4)
3/4	3 (76)	12,080 (53.7)	n/a (n/a)

Apply Safety Factor (reduction factor) as per CAN/CSA-S269.3-M92 guidelines for concrete formwork. For all other applications, ensure the working load per anchor does not exceed 1/4 of the tabulated ultimate load, under static loading conditions.

SPECIFICATION

The following sample specification clause is arranged for inclusion in any one of a variety of master specification sections utilizing the Construction Specifications Canada (CSC) format. Square brackets[...] indicate alternatives, data required, or need for the specifier to fill in information.

ANCHORS (FASTENERS)

Expansion anchors shall be [diameter and length to suit load and fixture requirements] UCAN Coil Threaded Drop-in Anchors, supplied by UCAN Fastening Products. Anchors to be zinc plated and have grade AISI C1008R carbon steel anchor body, and installed according to the manufacturers published instructions.