

**| DESCRIPTION**

The UCAN U-Drive anchor system is a quick, easy and economical method for securely fastening insulation panels, sheet metal and wood to concrete and most masonry.

U-Drive anchors have spiral shanks and are heat treated to facilitate installation. They are also hot dip galvanized for maximum corrosion resistance. When used in conjunction with the special close tolerance U-Drive carbide drill bits, these anchors consistently produce fastenings with superior holding power.

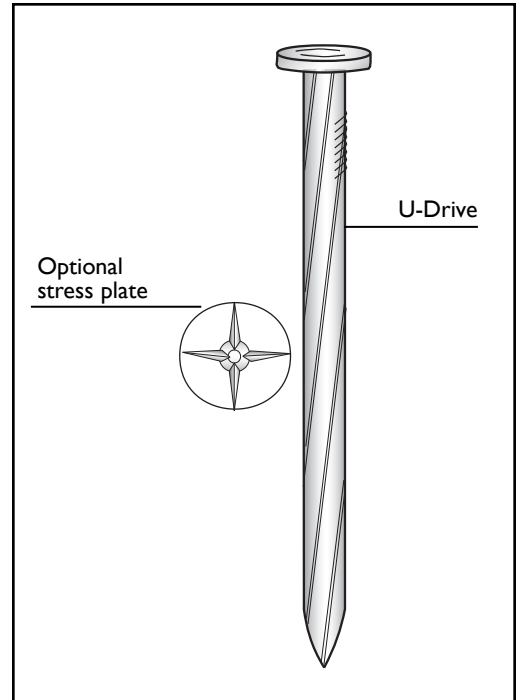
May be used together with U-Drive plastic stress plate for fastening insulation to concrete or masonry.

**| MATERIAL SPECIFICATIONS**

<b>Anchor body</b>	<b>Heat Treated AISI C1035</b>
- Minimum tensile strength	175,000 psi
- Average yield strength	150,000 psi
- Hardness ( Rc)	33-38

**Corrosion protection**

- The anchor body is hot dip galvanized to a nominal thickness of 0.0018".



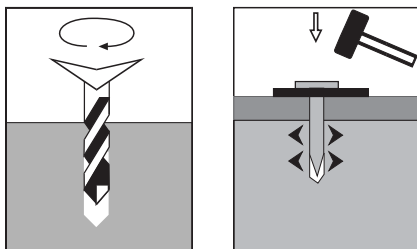
**| FEATURES**

- No special tools required
- Hot dip galvanized
- No head shearing
- Control of embedment
- Excellent shear strength
- High performance at low cost
- Can be used in most types of masonry
- Available in lengths of 1-1/8" - 5"
- Stocked in 100 packs and bulk cartons

**| TYPICAL APPLICATIONS**

- 2 X 4 Sleepers
- Plates
- Stud wall
- Drywall track
- Rigid Insulation
- Lightweight brackets
- Conduit fittings
- Hollow concrete block applications
- Brick tie systems
- Lathing strips

**| INSTALLATION**



**| ANCHOR SELECTION**

Part Number	Anchor Length	Fastens up to	Drill Bit Diameter
	inch	inch	inch
INS118	1-1/8	1/8	0.202
INS112	1-1/2	1/2	0.202
INS2	2	1	0.202
INS212	2-1/2	1-1/2	0.202
INS3	3	2	0.202
INS312	3-1/2	2-1/2	0.202
INS4	4	3	0.202
INS412	4-1/2	3-1/2	0.202
INS5	5	4	0.202

**TECHNICAL DATA**

**Ultimate Tension and Shear Data**

Embedment	3000 psi Concrete		Hollow Concrete Block
	Tension	Shear	Tension
	lbs	lbs	lbs
inch	(kN)	(kN)	(kN)
3/4	749 (3.33)	- -	576 (2.56)
1	1,214 (5.40)	1,270 (5.65)	873 (3.75)

**STRESS PLATE DATA**

Stress Plate	Size	Type	FM Wind Uplift Load Type
SP I (100 pack)	3" Round	Plastic	Class I insulated concrete roof Construction, Design wind uplift Load: I-60; I-90
SP IM (1000 pack)	3" Round	Plastic	

**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. Brackets [...] indicate alternatives, data required, or need for the specifier to fill in information.

**ANCHORS (FASTENERS)**

Masonry Fastener shall be UCAN U - Drive [Part number], supplied by UCAN Fastening Products. The hole depth shall be [...] and the U-Drive fastener shall be hot dip galvanized to provide extended corrosion protection. The installation must follow the manufacturer's published instructions.

**NOTE:**

Apply Safety Factor to ensure the working load per anchor does not exceed 1/4 of the tabulated ultimate load, under static loading conditions.