

#### ► DESCRIPTION

The UCAN Cast-in Place Zamac Insert (PZI) is designed for preplanned fastening in concrete. The insert provides rustproof UNC threaded metal holes in precast, pre-stressed or poured-inplace concrete. It is die cast of a zinc alloy (ZAMAC 5), which provides excellent resistance to atmospheric conditions and will not mar or stain finished installations.

There is also the Overtapped Cast in Place Zamac Inserts (PZI OT). These are for use with HDG threaded rods. Available sizes include PZI 35OT, PZI 45OT, PZI 46OT and PZI 55OT.

#### ► FEATURES

- Fastening is simplified when inserts are cast-in prestressed units, slabs and poured in concrete structures
- Preplanned location of inserts eliminates costly concrete drilling and masonry anchor installation
- 100% Rust Proof.

#### ► MATERIAL SPECIFICATION

- BODY: ZAMAC 5

#### ► LIMITATIONS

- Not recommended for uncured concrete (less than 7 days of curing)

#### ► TYPICAL APPLICATIONS

- Heavy Machinery
- Air Ducts
- Railings
- Traffic Lights
- Park Benches
- Theater Chairs
- Utility Poles
- Conveyor Systems
- Line Machinery
- Electrical



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.

#### ► ANCHOR SELECTION

Part No.	size	Insert Length	Thread Size (UNC)	Base Width	Thread Length	Bolt / Rod Diameter	Installation Torque	Ultimate Tension Load (lbf)	
	inch							inch	inch
PZI 10	10-24 x 11/16	11/16	10-24	7/16	1/2	10-24	10 inch-lbs	642	850
PZI 15	1/4 x 1-1/2	1-1/2	1/4-20	13/16	1-3/8	1/4	32 inch-lbs	2,250	1,240
PZI 24	3/8 x 1	1	3/8-16	7/8	7/8	3/8	8 ft-lbs	1,850	2,600
PZI 25	3/8 x 1-3/8	1-3/8	3/8-16	7/8	1-3/16	3/8	8 ft-lbs	2,900	4,600
PZI 35	1/2 x 1-1/2	1-1/2	1/2-13	1-1/4	1-1/4	1/2	19 ft lbs	5,068	5,430
PZI 36	1/2 x 2-7/8	2-7/8	1/2-13	1-1/4	2-5/8	1/2	19 ft lbs	6,288	8,995
PZI 45	5/8 x 1-11/16	1-11/16	5/8-11	1-3/8	1-3/8	5/8	40 ft-lbs	6,672	6,835
PZI 46	5/8 x 2-7/8	2-7/8	5/8-11	1-9/16	2-1/2	5/8	40 ft-lbs	13,375	15,490
PZI 55	3/4 x 1-11/16	1-11/16	3/4-10	1-9/16	1-3/8	3/4	58 ft-lbs	6,910	8,205
PZI 56	3/4 x 3	2-7/8	3/4-10	1-9/16	2-1/2	3/4	58 ft-lbs	14,145	16,375

Note: Loads are provided as guide values only.