

INSTA-FOOTING - ALLOWABLE LOADS

Insta-Footing is used in place of a poured concrete footing saving significant time and money. Insta-Footing is to be placed on top of a poured concrete floor slab that is at least 3.5-inches thick. The slab may be required to be leveled with non-shrink grout if existing conditions warrant. Insta-Footing is to be secured to the floor with either two 1/2" diameter concrete expansion anchor bolts, two concrete screws or powder driven nails. Insta-Footing can support a 4x4, 4x6, 6x6 or steel post. A plate which supports a post at the edge instead of the center is available for the instances where a post needs to be located against a wall or other obstruction. Insta-Footing comes in two different sizes, a 12" by 12" plate and a 16" by 16" plate. The size of the plate is dependent on the load to be supported and can be determined using the tables below.

Axial Design Loads

Plate ID	Size	Post	On Concrete Allowed Load ¹ (pounds)	On Earth Allowed Load ¹ (pounds)	Replaces Concrete Footing Equivalent
12-4-C	12" x 12" x 1/2"	4x4 or 4x6 center located	7,000	2,500	20" x 20" Or smaller
12-4-E	12" x 12" x 1/2"	4x4 or 4x6 center edge located	2,500	1,250	12" x 12" Or smaller
16-6-C	16" x 16" x 1/2"	6x6 or 4x6 center located	10,000	4,400	24" x 24" Or smaller

¹Assumes minimum slab thickness 3.5 inches, no voids below slab, 2,500 PFS soil bearing

Lateral & Uplift Design Loads – screws or powder driven nails²

Plate ID	Screws or Powder Driven Nails		(2) 1/2" dia. X 3.75" long anchor bolts	
	Lateral (lbs)	Uplift (lbs)	Lateral (lbs)	Uplift (lbs)
12-4-C	200	0	1000	980
12-4-E	200	0	1000	980
16-6-C	200	0	2000	1050

²For plates mounted to concrete only (not earth)