

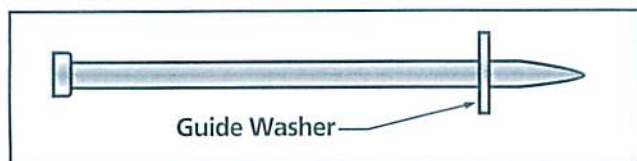


## Hammer Drive® Pins

**NO POWDER LOADS REQUIRED**

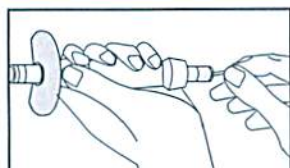
### PRODUCT DESCRIPTION

Hammer Drive pins are designed for permanently fastening a fixture to concrete and some types of concrete block. This fastener is designed for use in a standard hand tool and should not be used in a powder actuated tool.

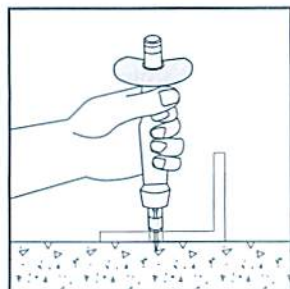


The pins are formed with a 1/4" diameter head on one end, a 0.140" diameter shank in various lengths, and a specially designed point to allow proper penetration into the base material. A 3/8" diameter steel washer is mounted over the point to retain the drive pin in the fastener guide of the tool and to provide guidance during the driving operation. This fastener is recommended for light duty static load applications where holding power is not a critical factor. It should not be used overhead.

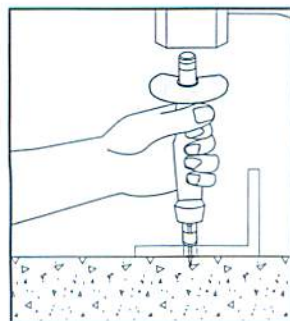
### INSTALLATION PROCEDURES



Insert Drive Pin in Hammer Drive Tool with the point sticking out and the washer seated in the recess.



Position Drive Pin through the fixture until the point is against the base material. Tap pin of tool lightly until striker pin is in contact with Drive Pin. In masonry, the fastener should be used in the horizontal mortar joint only.



Set Drive Pin by applying several sharp hammer blows to the tool.

NOTE: For best results, Drive Pins should be embedded a minimum of 1/2" in hard concrete to 1-1/4" in softer concrete block. Use two pound hammer for maximum penetration using the fewest hammer blows.

### PIN SIZES

#### 1/4" HEAD DIAMETER HAMMER DRIVE PINS

CAT. NO.	SHANK LENGTH	STD. BOX	STD. CTN.	HEAD DIA.	SHANK DIA.	WT./100
50294	3/4"	100	1000	1/4"	.140	.5
50296	1"	100	1000	1/4"	.140	.7
50298	1-1/4"	100	1000	1/4"	.140	.8
50300	1-1/2"	100	1000	1/4"	.140	.9
50302	2"	100	1000	1/4"	.140	1.2
50304	2-1/2"	100	1000	1/4"	.140	1.4
50306	3"	100	1000	1/4"	.140	1.9

### HAMMER DRIVE SETTING TOOL

CAT. NO.	DESCRIPTION	STD. BOX	STD. CTN.
50310	Hammer Drive Tool - Standard	1	1

### PERFORMANCE DATA

The following load capacities are guidelines based on testing conducted according to ASTM Standard E 488.

	PIN SIZE	EMBED. DEPTH	3,000 PSI CONCRETE	4,000 PSI CONCRETE	CONCRETE BLOCK
Tension	1/4"	1/2"	415	465	380
Load (lbs.)	1/4"	3/4"	610	610	490
Shear	1/4"	1/2"	450	480	395
Load (lbs.)	1/4"	3/4"	650	650	520

NOTE: The values listed above are ultimate load capacities which should be reduced by a minimum safety factor of 10 to determine the allowable working load. Refer to the section on General Selection Guidelines for details. Since the Hammer Drive Pin is a direct drive fastener, these loads should be used as guidelines only.

### APPROVALS AND LISTINGS

The following approvals and listings are for reference purposes. They should be reviewed by the design professional responsible for the product installation to verify approved sizes, base materials, and compliance with local codes.

Federal Specification

Meets the descriptive requirements of FF-P-395 C

(superseded)

### SUGGESTED SPECIFICATION

Hammer drive pins for use in a manual tool shall be a one piece unit with a knob head style. The pins shall be formed from heat treated carbon steel and shall be plated according to ASTM Specification B633, SC1, Type III. Pins shall be as dimensioned and supplied by Powers Fasteners, Inc.