



**Trademark  
HARDWARE**

# INSTALLATION GUIDE

## Installation Information

**GUIDELINES FOR THE INSTALLATION OF METAL SAFETY TREADS OR NOSINGS INTO NEW CONCRETE, EXISTING CONSTRUCTION, OR STEEL PAN-FILLED STAIRS:**

### Anchor Options:

#### Wet Concrete Anchor Options

##### **1) SURE-HOLD ANCHOR**

Sure-Hold anchors run full length of tread for positive anchorage and quick installation. Since Sure-Hold anchors are concealed, no bolt holes appear on the tread surface. Available as shown on nosings. Contact us to order. Only available for specified types.



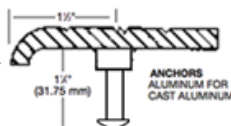
##### **2) WING TYPE ANCHOR FOR CASE AND EXTRUDED NOSINGS**

Steel wing anchors, bolts, and nuts are furnished for field attachment into factory-drilled and ctsk. (countersunk) holes, prior to tread installation. They are placed in a single, staggered, or double row, according to tread width. Can be furnished on most types if specified. 3/4" length – FHMS (Flathead Machine Screw). Wing is metal- standard mild steel. Tapcon screws also available for cast nosings and treads



##### **3) CONCEALED INTEGRAL ANCHOR**

This concealed type anchor can be requested. Anchor spacing on approx. 10" (254 mm) center.



#### Existing Construction Anchor Options

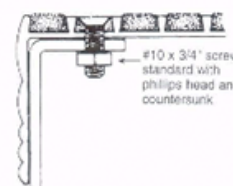
##### **WOOD OR MACHINE SCREWS, SILVER TAPCON SCREWS, or SCREW & SHIELDS**



Treads being superimposed on existing stairs can be furnished pre- drilled and ctsk. for wood, machine or Tapcon screws. Standard spacing is 3" (76.2 mm) in from each end, approx. 12" (304.8 mm) centers, in single, staggered, or double row, according to tread width. Will furnish #10 screws.

#### Bolted To Steel Pan Return Anchor Options

Nut and Bolt anchorage can be provided for new steel pan stairs. Pan return must be 1" (25.4 mm) minimum. Specify pan return depth for drilling purposes. Can be furnished upon request.



### **I. How to Install into Wet Concrete:**

Order nosings or treads well in advance of the pour or installation date. Keeps treads free of dirt during construction (See protective tape option below).

1. Place the concrete into the stair forms or steel pans as quickly as possible; schedule pours so as to install the metal safety nosings quickly, before the "initial set" of the concrete occurs.
2. Puddle the concrete, tamp the safety nosings to insure proper concrete formation around the anchors.
3. Remove the protective tape as soon as practical
4. Close stairway after pour; permit no use for 24 hours.

*Note: \*The use of very large aggregate in the concrete mix may make placement of the safety nosing difficult.*

*\* Safety nosing placement may be difficult in concrete with very low slump.*

*\* Nosings should terminate not more than 4" from ends of steps for poured concrete stairs.*

*\* For concrete filled steel pan stairs, nosings should be full length of steps less 1/8 inch clearance.*

**Protective Tape:** Nosings for NEW construction can be furnished with a protective tape cover. This tape should be removed after the stairs are installed. Tape coverings entail a small additional charge per lineal foot. Tape should not be left on treads longer than 45 days.

### **II. Drilling for Existing Construction:**

Standard drilling for nosings 3" (76.2 mm) in from ends and on approximate 12" (304.8 mm) centers in single, staggered or double row according to width.

**DO NOT** predrill support structure before tread installation.