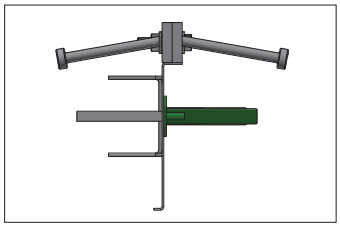
HD Steel Edge Nosing

Heavy-duty joint edge protection and integrated load transfer in a single assembly

High-traffic industrial floors and pavements require precise load transfer, smooth slab-to-slab transition and joint protection. All of these requirements are met with the HD Steel Edge Nosing assembly.

A complete assembly includes the steel nosing, studs, dowel plates and full-depth channel for joint installations. The leave-in-place design eliminates conventional slab edge forming costs.



The nosing prevents joint spalling and reduces repair costs in high-traffic areas, like warehouses and loading docks. Concrete expansion and contraction takes place as the steel plate slides within the sleeve.

The installation conforms to ACI 302.1R Guide for Concrete Floor and Slab Construction and ACI 360 Design of Slabs-on-Ground.

For high performance extended joint slabs that open more than 3/8” such as cold storage facilities, consult with SureBuilt or concrete slab engineer for solution before ordering.

HD Steel Edge Nosing with Taper Dowel				
Part No.	**Description**	**Slab**	**Plate Size**	**Spacing***
SBHDSEN6	HD Steel Edge Nosing 6”x10’	6”	1/4” x 4-1/2” x 4-1/2”	18”
SBHDSEN6WC	HD Steel Edge Nosing 6”x10’ w/Clip	6”	1/4” x 4-1/2” x 4-1/2”	18”
SBHDSEN7	HD Steel Edge Nosing 7”x10’	7”	3/8” x 4-1/2” x 4-1/2”	18”
SBHDSEN7WC	HD Steel Edge Nosing 7”x10’ w/Clip	7”	3/8” x 4-1/2” x 4-1/2”	18”
SBHDSEN8	HD Steel Edge Nosing 8”x10’	8”	3/8” x 4-1/2” x 4-1/2”	18”
SBHDSEN8WC	HD Steel Edge Nosing 8”x10’ w/Clip	8”	3/8” x 4-1/2” x 4-1/2”	18”

** Spacing shown based on ACI 360 Design of Slabs-on-Ground.*

SureBuilT
Concrete Forms & Accessories

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HD Steel Edge Nosing - Straight Line Installation

1. Check sub-grade for levelness and grade. Set string line along the edge nosing path and position the first length of HD Steel Edge Nosing. Ensure the plastic sleeves go on the side where the first concrete pour will occur.

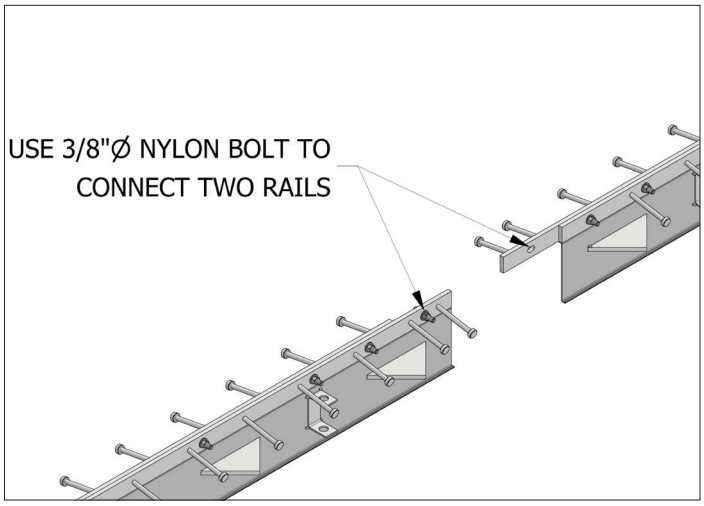
2. Insert stakes through the welded clips attached to the HD Steel Edge Nosing separation plate. Hammer the stakes into ground until they are 2 inches below the top of the joint. Additional staking and bracing may be required to keep sections steady during the concrete pour.

3. Adjust the height of the joint until it is level and at the required slab depth. Turn the stakes 90 degrees using a shifter to lock the joint in place.

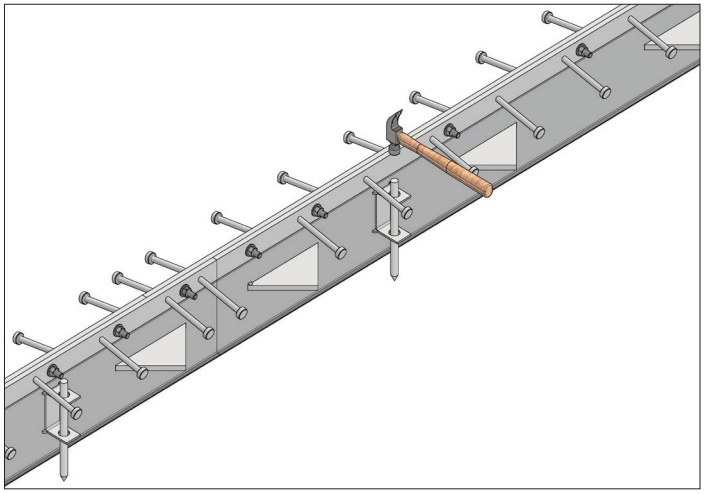
4. The HD Steel Edge Nosing length has a lap joint at either end used to bolt the separate lengths together. Ensure a 1/8” gap is left between each length. This allows for the lateral movement of the joint. Repeat the process for each section until the desired length is achieved.

5. Install any required concrete reinforcing. Pour the concrete ensuring vibration along the joint at regular intervals. The top of the HD Steel Edge Nosing rails can be used to screed along.

6. After the first pour has set, remove any additional staking. Place the dowels through the separation plate slots into the sleeves in the first pour before pouring the second pour. Dowels should be placed within 36 hours of the first pour.

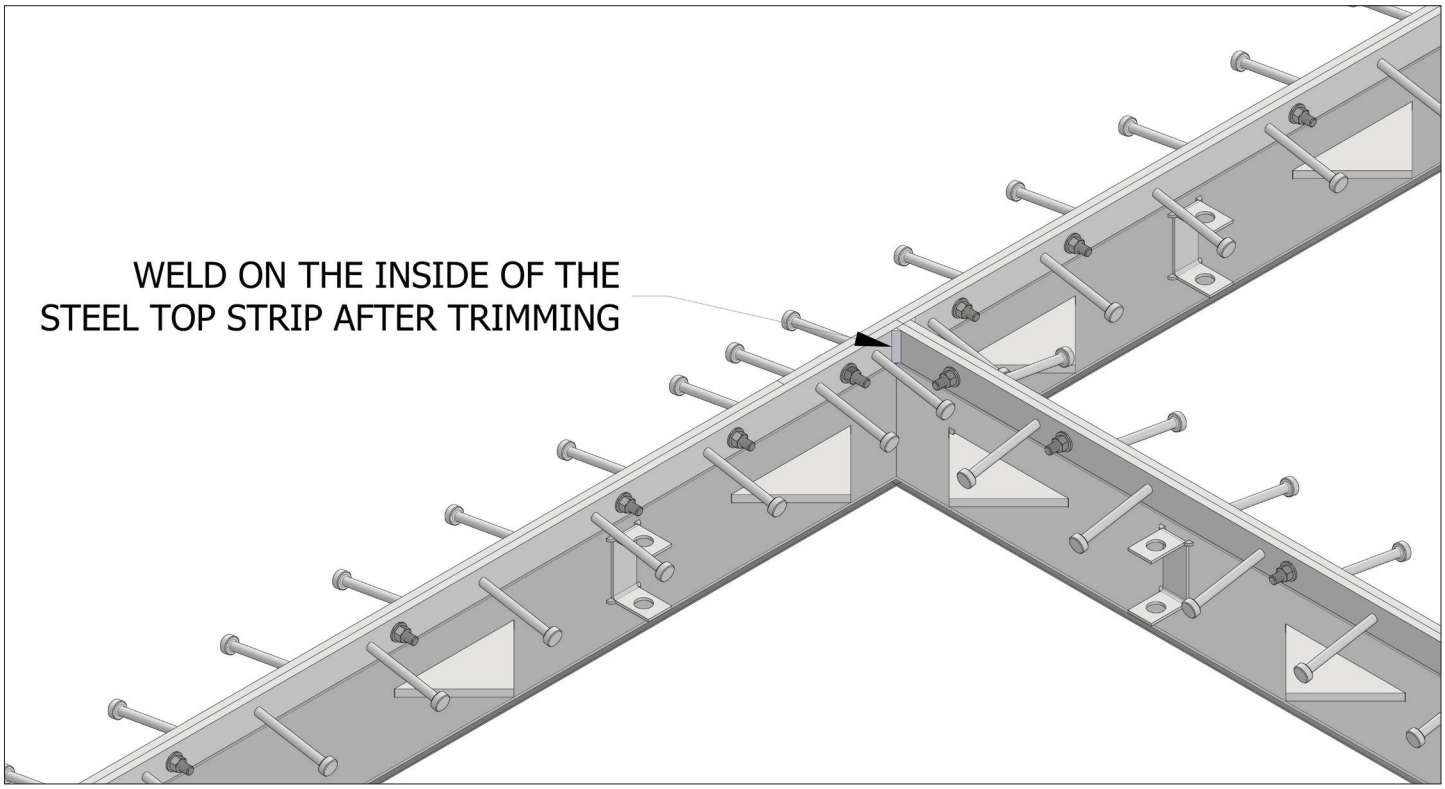


Use 3/8” Ø Nylon bolt to connect nosings



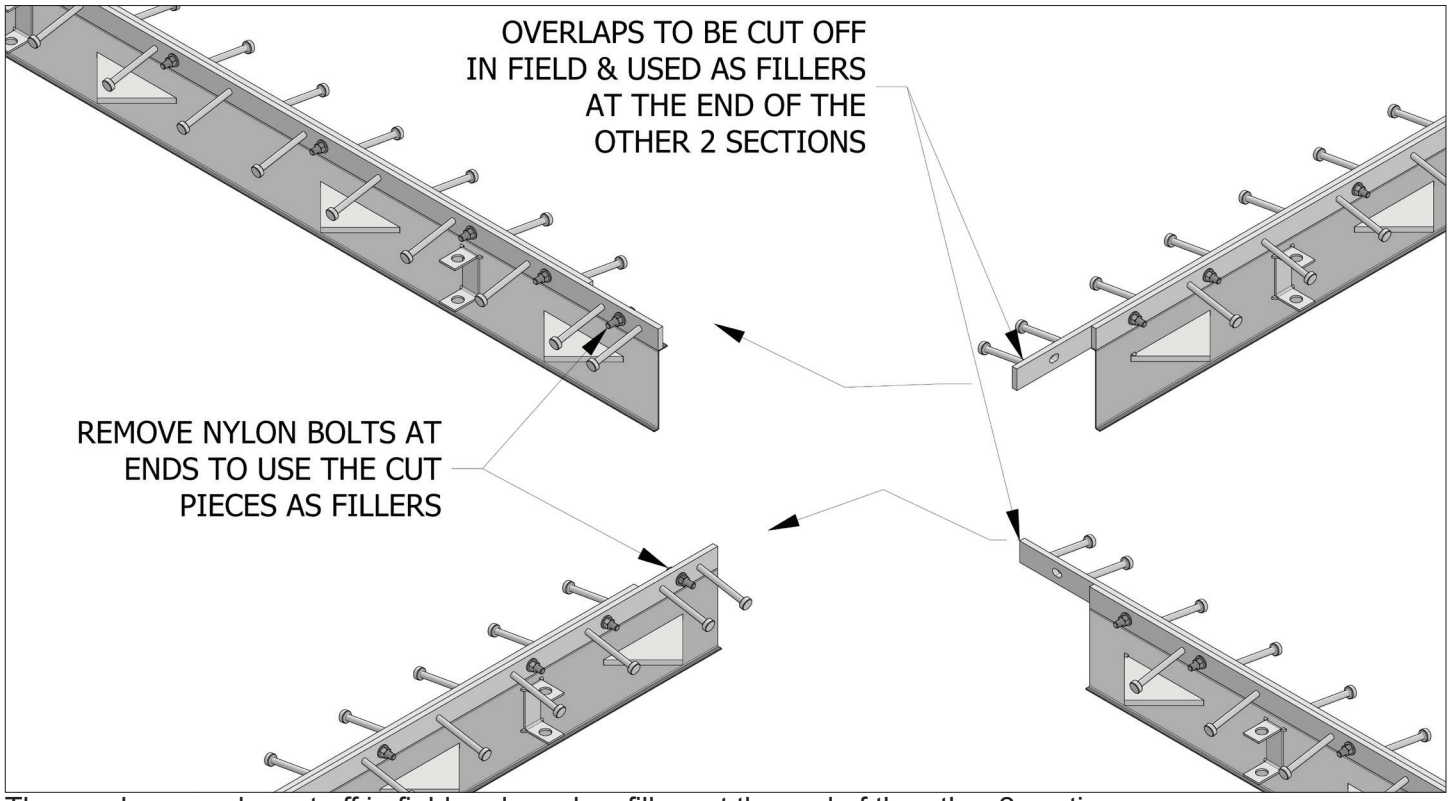
Anchor Nosing using stakes or leveling stand

HD Steel Edge Nosing - T Intersection Installation

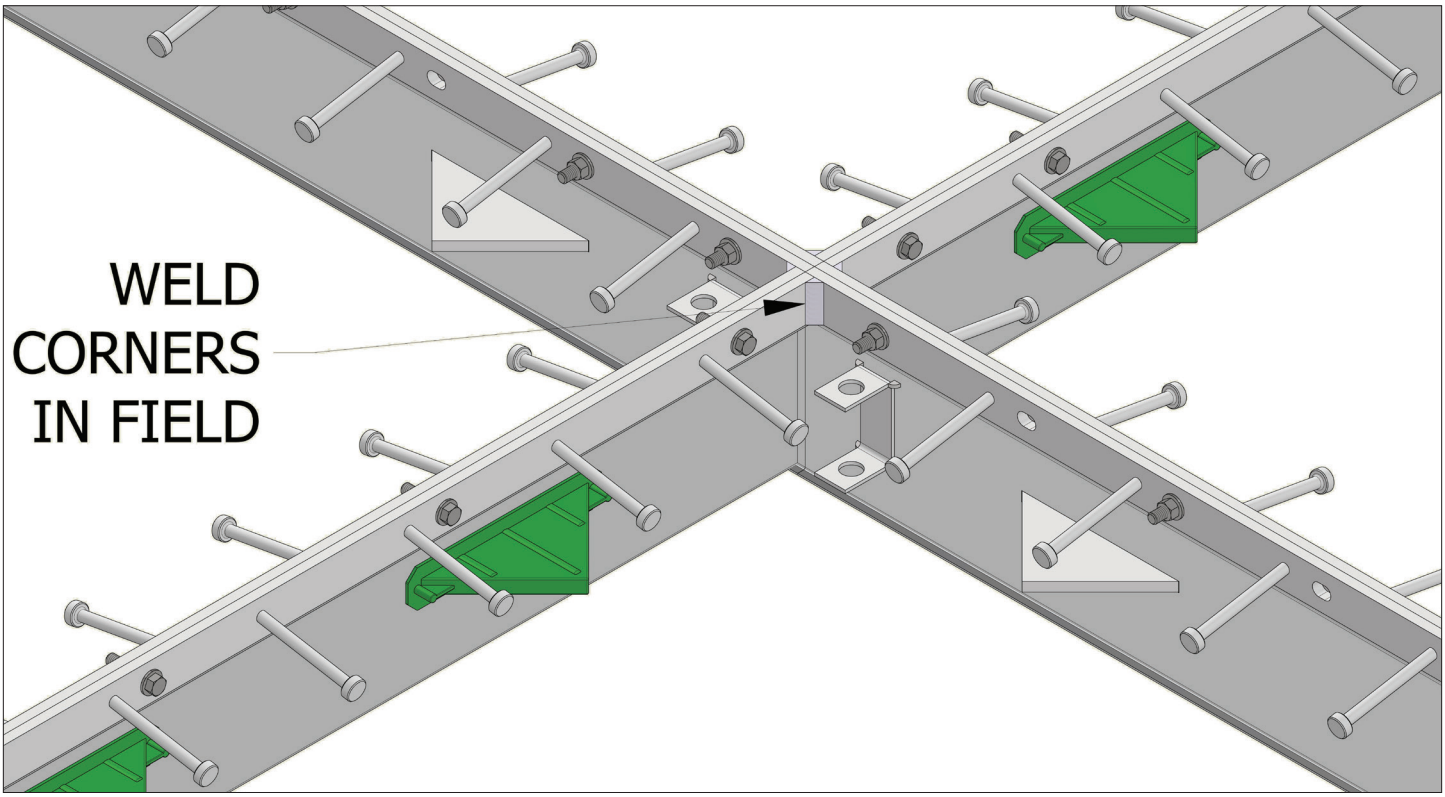


T Intersection Installation

HD Steel Edge Nosing - X Intersection Installation



The overlaps can be cut off in field and used as fillers at the end of the other 2 sections.



Weld filler to adjacent steel strip and weld corners in field.