



T-GUARD GUARDRAIL & STAIRWELL



Patent Pending

T-Guard Guarding Assembly: An engineered guardrail and stairwell protection system that utilizes a 14 gauge load bearing steel stud welded to a 1/4" thick steel base plate, forming a rigid and dependable post assembly.

Each T-Guard post is engineered to support horizontal guardrails installed at a maximum height of 42" above the floor in accordance with OSHA 1926.502 (guardrails) and OSHA 1926-1052 (stair rails). Full 14 gauge steel handrail brackets provide support for horizontal handrails constructed from wood or steel studs (sold separately).

T-Guard components may be configured to create straight runs, corners, stair rail systems, mezzanine protection, and complex opening layouts.

TELLING'S T-GUARD SYSTEM:

- T-Guard is comprised of premium metal framing components
 - Stud: 362S300-68 14 ga load bearing steel
 - Base Plate: 10" x 10" x 1/4" thick with groove for stud
 - Clips: 14ga load bearing steel welded to the stud
- Optional toe board bracket:
 - With 14ga welded brackets

T-GUARD SYSTEM APPLICATIONS:

- Construction Sites
- Warehouses
- Industrial Facilities

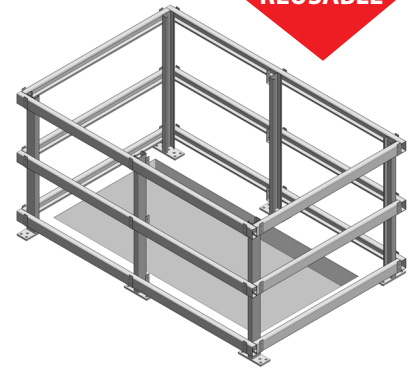
TEST STANDARDS:

- OSHA 1926.502 for Guardrail Systems
- OSHA 1926.1052 Stairrails and Handrails
- 3rd Party PE Certified to Meet OSHA Requirements

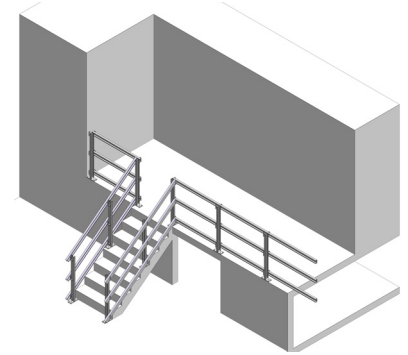


Optional Toe Clips

T-GUARD
ASSEMBLY



REUSABLE



WAREHOUSE GUARDING TEST SUMMARY

Test #	Floor Material	Span	Loading Location	Loading Direction	OSHA min Load	Result
1	Concrete	6'	44" height, center of horizontal beam	Outward	200 lbs	Pass
2			21" height, center of horizontal beam			
3	Metal Framing Floor Joists	6'	44" height, center of horizontal beam	Outward	200 lbs	Pass
4			21" height, center of horizontal beam			
5	Concrete	6'	44" height, center of horizontal beam	Downward	200 lbs	Pass
6			21" height, center of horizontal beam			
7	Metal Framing Floor Joists	6'	44" height, center of horizontal beam	Downward	200 lbs	Pass
8			21" height, center of horizontal beam			

* average load to failure over 3 test samples



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INSTALLATION & FASTENING DETAILS

Base Plate Installation:

- Base plate is secured using four (4) 1/2" diameter fasteners per post
- Fastener type selected based on substrate and installed in accordance with applicable codes and manufacturer instructions

Concrete Substrates:

- (4) 1/2" Hilti Kwik-TZ2 concrete anchors
- Anchor selection and installation align with Telling's T-Knee Wall system methodology

Wood Substrates:

- (4) 1/2" diameter structural wood lag screws or bolts
- Installed into structural framing members per fastener manufacturer requirements

Steel Substrates:

- (4) 1/2" diameter structural steel fasteners
- Through-bolted or installed into structural steel framing per project requirements

Optional Toe-Board Base Bracket:

- Optional toe-board base bracket (sold separately) installs on top of the base plate
- Secured using one (1) additional 1/2" diameter fastener selected per substrate type

Horizontal Member Attachment:

- Handrails: (3) #10 fasteners per connection
- Toe-boards: (2) #10 fasteners per connection



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