



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 brackets provide support for horizontal handrails constructed from steel studs or wood (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:

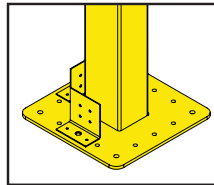
- T-Guard is comprised of premium metal framing components
 - Stud: 362S300-68 14 ga load bearing steel
 - Base Plate: 10" x 10" x 1/4" thick with groove for stud
 - Clips: 14ga load bearing steel welded to the stud
- Optional toe board bracket:
 - With 14ga welded brackets

T-GUARD SYSTEM APPLICATIONS:

- Construction Sites
- Warehouses
- Industrial Facilities

TEST STANDARDS:

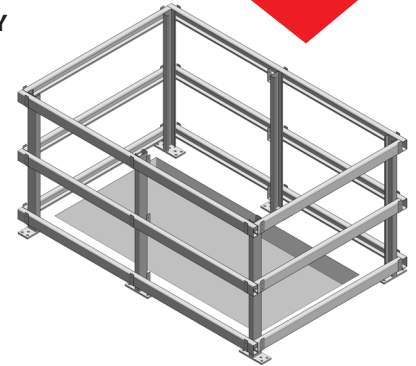
- OSHA 1926.502 for Guardrail Systems
- OSHA 1926.1052 Stairrails and Handrails
- 3rd Party PE Certified to Meet OSHA Requirements



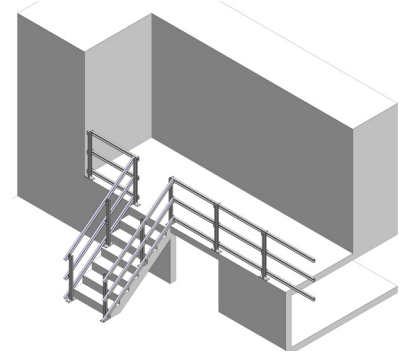
Optional Toe Clips



T-GUARD
ASSEMBLY



REUSABLE

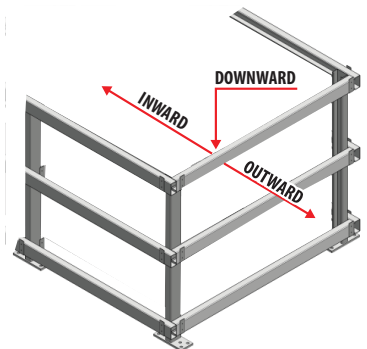


WAREHOUSE GUARDING TEST SUMMARY

Floor Material	Loading Location	Loading Direction	Span	OSHA Minimum Load	T-Guard Results
Concrete	42" height, center of horizontal beam	Outward	6'	200 lbs	Pass
	21" height, center of horizontal beam				
Concrete	42" height, center of horizontal beam	Downward	6'	200 lbs	Pass
	21" height, center of horizontal beam				
Concrete	42" height, center of horizontal beam	Inward	6'	200 lbs	Pass
	21" height, center of horizontal beam				
Metal Decking	42" height, center of horizontal beam	Outward	6'	200 lbs	Pass
	21" height, center of horizontal beam				
Metal Decking	42" height, center of horizontal beam	Downward	6'	200 lbs	Pass
	21" height, center of horizontal beam				
Metal Decking	42" height, center of horizontal beam	Inward	6'	200 lbs	Pass
	21" height, center of horizontal beam				

Notes:

1. Telling T-Guard supports out-of-plane loading exceeding 200 lbf at 42 inches from the base in all directions.
2. Allowable loads calculated based on Allowable Stress Design (ASD) approach in AISI-S100-16 and supported by physical testing.
3. T-Guard allowable capacity is the minimum of bending capacity and stud to base plate weld.
4. It is the designer's responsibility to check the effects of edge distance, minimum concrete thickness and concrete strength on anchor & screw capacity.



INNOVATION, SERVICE, QUALITY

www.BuildStrong.com • 1-866-372-6384

