STEEL PIPE AND PLASTIC HANDRAIL

WHY YOU NEED INDUSTRIAL HANDRAIL IN YOUR FACILITY

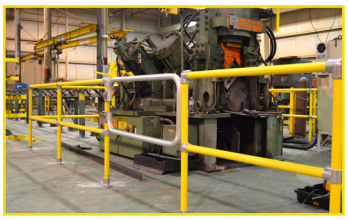
Industrial safety rail is one of the most critically important and, at times, overlooked pieces of protection at any job site or inside any warehouse or facility. While it may not fully protect machinery or storage racks from forklift damage, the safety rail is more for the workers themselves. Lining walkways, stairs, ramps, HVAC units, and workspaces, safety rail offers guidance and a helpful deterrent throughout any facility.

But it's about choosing the proper railing system. Just adding any form of safety railing is one thing but having quality safety handrail and grab rail can be the difference in a near mistake and a costly mistake.

Luckily, Ideal Shield offers the industry's most unique and versatile safety rail option on the market which can be custom designed to fit your exact needs as well as OSHA's requirements.

APPLICATION OPTIONS

Ideal Shield's Industrial Handrail has more applications than a smart phone. Whether you're looking to guard machinery, walkways, stair or ramp entrances, interior fall protection areas, or roof top fall protection areas, the Steel Pipe & Plastic Handrail system can meet any of those needs.



MACHINE GUARDING

WALKWAY GUIDE RAIL

EDGE PROTECTION

CATWALK GUIDE RAIL

DESIGNATED AREA RAILING

TEMPORARY CONSTRUCTION ZONE RAILING

ROOF FALL PROTECTION RAILING

STAIR & ENTRANCE RAMP GUIDE RAIL- ADA CAPABILITIES

(866) 825-8659
WWW.IDEALSHIELD.COM

SYSTEM OVERVIEW

Maintenance-Free
Time is money in any warehouse and with the shortage on paint supplies all over the world, the Steel Pipe & Plastic sleeved handrail is the perfect solution. No more paying your workers or a painting crew to come in and touch up rails to keep the safety yellow shining bright. The “Never Paint Again” plastic is resistant to rusting, chipping, cracking, and fading which will cut down on maintenance hours while also offering a stable and high-quality safety rail throughout your facility.

Custom Designs
Finding the right fit is key. Handrails come in all different shapes and sizes, but so do warehouses and worksites. Ideal Shield’s Industrial Handrail System is engineer designed in-house to meet your exact needs, whether it is being installed on fresh flooring, cracked concrete, slopes, ramps, edges, turns, or corners. The modular design featuring adjustable speed fittings allows for on-site adjustments without any welding work and the sections arrive pre-assembled so just a simple installation is needed. Add a One-Line or Two-Line system, add Swing Gates or whichever style or available features you will need to protect your critical areas.

Production Capabilities
Ideal Shield’s headquarters in Detroit, Michigan features a 75,000 sq. ft. manufacturing facility with a strong, dedicated workforce that can produce material for any sized job in a timely manner. Small, medium, or large projects are right in the wheelhouse as the production team has the top machinery available and experienced fabricators on site. The team has handled Handrail jobs of all different sizes and requirements, including full facility projects.

MOUNTING OPTIONS

SURFACE MOUNTED

CORED

WALL MOUNT/CUP WELD

NON-PENETRABLE
WEIGHTED BASE PLATE

REMOVABLE/SIDE MOUNT

OSHA COMPLIANCE GUIDELINES

Heights of Handrail and Stair Systems

• For these stair rail systems, the top rail may serve as a handrail, provided the top rail is 36 to 38 inches in height (as measured at the leading edge of the stair tread to the top surface of the top rail) and meets all other handrail requirements in §1910.29(f).

• For stair rail systems installed on or after January 17, 2017, the top rail and handrail must be separate. The top rail must be at least 42 inches in height (§1910.29(f)(1)(ii)(B)) and the handrail must be 30 to 38 inches in height (§1910.29(f)(1)(i)) (as measured at the leading edge of the stair tread to the top surface of the rail).

Fall Protection Systems

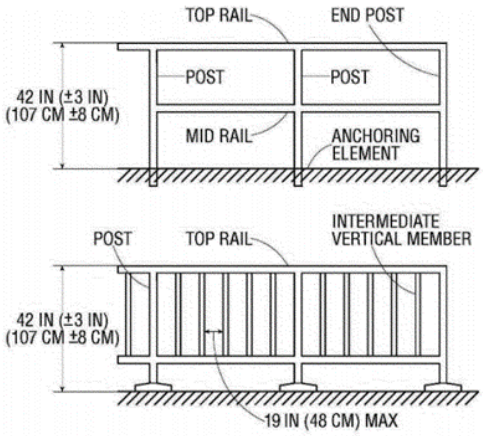


Figure D-11 Guardrail Systems

FREQUENTLY ASKED QUESTIONS

• **What is the Steel Pipe & Plastic Handrail system made of?**
The Ideal Shield Pipe & Plastic Handrail is made of 1-1/4" schedule 40 steel pipe rail and 1-1/4" schedule 80 steel pipe post sleeved in a high-density polyethylene thermoplastic tube, secured by aluminum/magnesium alloy speed rail fittings. Ideal Shield rails are load tested and offered at 42" height to meet OSHA Standard. The outside diameter of the finished handrail pipe is 1.9" and standard height is 42" to meet OSHA standards.

• **What colors are available for the Steel Pipe & Plastic Handrail system?**
Safety yellow is the standard color, but the Steel Pipe & Plastic Handrail system can be finished with 8 different colors in total including black, white, silver, blue, gray, or red. Contact for more information and availability.

• **Is the Steel Pipe & Plastic Handrail system removable?**
Any of the handrail system installation methods can enable the product to be removable and reusable if needed.

• **Does the Steel Pipe & Plastic Handrail require painting?**
The Ideal Shield Handrail System is virtually maintenance-free. The steel pipe is sleeved in HDPE plastic. The combination creates a paint-free handrail system.

• **What lengths is the Steel Pipe & Plastic Handrail system available in?**
Custom configurations can be specified to meet all handrail needs. Handrail unit lengths come pre-assembled for easy installation.

• **How is the Steel Pipe & Plastic Handrail system delivered?**
The Ideal Shield Handrail System is delivered to your site packaged and on pallets in modular units or separate components ready for easy installation.

• **Can I weld the Steel Pipe & Plastic Handrail system to my existing steel structure?**
Yes, we can provide you will a steel sleeve that can be welded to your existing steel.