

GALVANIZED RAILING

- 1 High corrosion resistance
- 2 No welding or threading required
- 3 Quick installation
- 4 No hot-work permits needed



OVERVIEW:

A modular tubular guardrail and handrail system assembled from cast-iron slip-on fittings and galvanized steel pipe. The system creates safety railings, handrails and guardrails on level surfaces, ramps and stairs without any welding, threading or bolting. Fittings lock onto the pipe using recessed hex socket set screws, allowing rapid on-site assembly, reconfiguration and reuse.



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GALVANIZED RAILING

KEY TECHNICAL SPECIFICATIONS

Property	Specification
Pipe outside diameter (OD)	42.2 mm (1.66 in)
Nominal bore size	1-1/4 in (Schedule 40)
Pipe reference number	7
Pipe material	Galvanized steel pipe, Schedule 40
Fitting material	Malleable iron casting to ASTM A47 (Grade 32510)
Assembly method	Slip-on fittings with hex socket set screws — no welding, threading or bolting
Fastening	Large hex set screws, recessed for a smooth finish; resist thread stripping
Available pipe length	Nominal mill lengths of 21 ft, cut to project-specific length requirements

PIPE & FITTING DIMENSIONS (REFERENCE 7 / 42 MM OD)

Pipe Reference	Nominal Bore	Pipe OD	Component Inner Dia.
7	1-1/4 in	1.66 in (42.2 mm)	1.72 in (43.7 mm)

Note: "Component inner diameter" is the bore of the slip-on fitting that receives the pipe.



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GALVANIZED RAILING



FEATURES & BENEFITS

- High corrosion resistance, hot-dip galvanized for long-lasting protection
- No welding or threading required during fabrication or installation
- Recessed set screws give a smooth, finished appearance
- Large set screws resist thread stripping for a secure, durable joint
- Quick installation using a standard hex key, no special tools or skilled trades required
- No hot-work permits needed on site
- Components are fully reusable and can be dismantled, reconfigured and reassembled
- Modular fittings allow virtually any structural configuration



GALVANIZED RAILING

FINISH & COATING OPTIONS

Finish	Description
Hot-dip galvanized	Standard finish for long-term corrosion protection and low maintenance.
Powder coating	Durable polyester coating applied over the galvanized surface; available in any RAL color.
Antimicrobial coating	Powder coating that resists growth of harmful bacteria and fungi; available in a range of RAL colors.
High-visibility coating	Safety-yellow coating available for high-visibility applications.

RELATED ACCESSORIES

Accessory	Specification
In-fill panels	Welded wire mesh panels, standard 4 in x 4 in aperture, available up to 4 ft wide x 8 ft long. Smaller apertures (2 in x 2 in or 1 in x 1 in) available. Supplied galvanized, powder-coated or in bare stainless steel.
Toeboards	Slot-back design requiring no on-site drilling; the slot retains a bolt head to prevent spinning during assembly. Supplied in 24 ft lengths or custom cut. Upright hardware and corner/straight splice kits available.
Pre-assembled modules	Pre-assembled railing modules providing a constant barrier height for quick, simple installation; available in a range of sizes and styles.
Grip tape	Improves grip on existing handrail; glow-in-the-dark feature for added safety. Available in yellow/black.
Hi-traction covers	Anti-slip covers improving footing for indoor and outdoor use; range of grip options, colors, sizes and materials. Glow-in-the-dark and custom printing available.



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TYPICAL APPLICATIONS

Safety walkways and access ramps	Loading docks and loading bays
Stairs and handrails	Industrial process plant structures
Water / wastewater treatment guardrails	Roof-level and ground-level barriers
Coastal and aggressive environments	Equipment and inventory protection

STANDARDS & COMPLIANCE

- Fittings manufactured to ASTM A47 (malleable iron, Grade 32510)
- Designed in accordance with OSHA and ICC guidelines
- Components independently tested and certified for strength, manufacturing quality and consistency
- Configurable to meet IBC and applicable local building-code requirements