

# WireCrafters®

RAILING SYSTEMS FOR ALL YOUR INDUSTRIAL NEEDS



GUARDRAIL

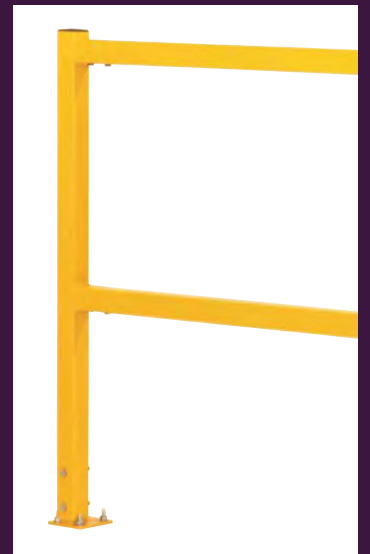
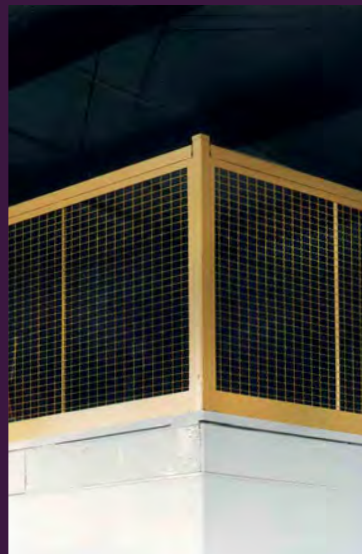
## PROTECTIVE RAILINGS



HANDRAIL



MEZZARAIL®



# GuardRail

Perfect solution to in-plant traffic protection

## GuardRail

Install WireCrafters GuardRail in your plant to protect people, machinery, and property from accidents involving forklifts, sweepers, or other moving equipment. This protective railing system helps prevent damage to equipment or facilities by providing a strong barrier along aisle ways or in front of critical equipment. Create a safety barrier with this competitively priced guard rail system, and save the expense of costly downtime repairs by preventing the accident with WireCrafters GuardRail.

**STYLES AND SIZES** – WireCrafters GuardRail comes in two styles, Single or Double Rail. Single Rail columns are 17" high, Double Rail columns are 43" high. All columns are 4" square x 1/4" wall structural-steel tubing, with metal caps, and 10" square x 1/2" thick steel base plates. Base plates have four 7/8" round anchor holes. Floor anchors provided.

**RAIL LENGTHS** – The 11-gauge formed steel rails come in six standard lengths, 2', 3', 4', 6', 8', and 10'. Custom lengths are available.

**QUICK INSTALLATION** – Bolt components together and anchor column base plates to the floor. All necessary hardware is included with your order.

**OPTIONS** – Rail Lift-Out kits, offset column base-plates, and corner offset columns are available.



**Standard Single High**



**Optional Lift-Out Rail**



**Standard Double High**

### Rail Parts

#### RAILS

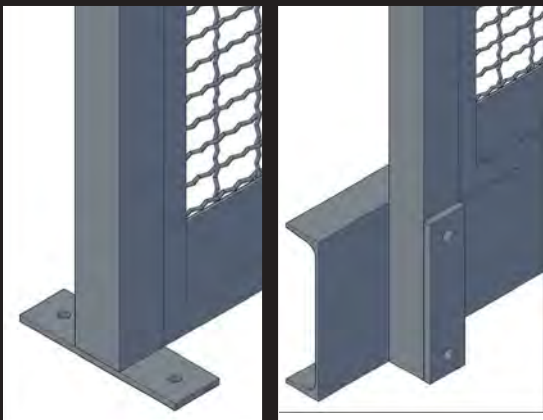
Part No.	Description
PR 2	1'-8" Long
PR 3	2'-8" Long
PR 4	3'-8" Long
PR 6	5'-8" Long
PR 8	7'-8" Long
PR 10	9'-8" Long

#### COLUMNS

Part No.	Description
PRSRR	Single Run Post 17" High
PRSRC	Single Corner Post 17" High
PRDRR	Double Run Post 43" High
PRDRC	Double Corner Post 43" High

# Railing Systems

## Mezzanine Railing and Hand Railing Systems



### MezzaRail®

WireCrafters combined the strength of square handrails with the versatility of woven wire partitions to create the MezzaRail® 420 Rail System. This innovative handrail product provides more protection than 3, 4, or even 5 rail designs without the cost of additional rails or installation. Yet the system is so strong it meets the BOCA and OSHA requirements "of withstanding a load of 200 pounds applied in any direction at any point on the rail."

#### Better Protection

Not only does MezzaRail® provide you with a sturdy handrail, but the mesh component of each section acts as a barrier to prevent items from passing through to the ground below. Objects that easily pass through multi-rail systems are restrained by MezzaRail® protecting people and property from serious injury.

#### Easy Installation

Standard sized MezzaRail® panels, with built-in kickplates, bolt to upright posts. Two bolts per section. No welding, no self-tapping screws. All connecting hardware is easily accessible to the installer. The results are substantial cost savings to you in manpower, time, and equipment.

The system can be mounted to the face-side or deck of any mezzanine. Hinged, Sliding, and Lift-Out Gates are available for access to the protected area.

**CALL FOR LAYOUT ASSISTANCE,  
PRICING, AND COMPARE COST ON  
YOUR NEXT MEZZANINE RAIL PROJECT.**



### HandRail

System 22 HandRail makes an excellent aisle way, machine guard rail, mezzanine rail or robot guard. This square steel rail system bolts up with standard hand tools.

System is designed on 8'-0" centers and comes in a standard two rail style. A 4" high kickplate can be added as an option. Rail sections combined with 6" run post

connectors or 4" corner/end posts to layout on 2', 4', or 8' centers. Stock rails can be field cut for custom lengths.

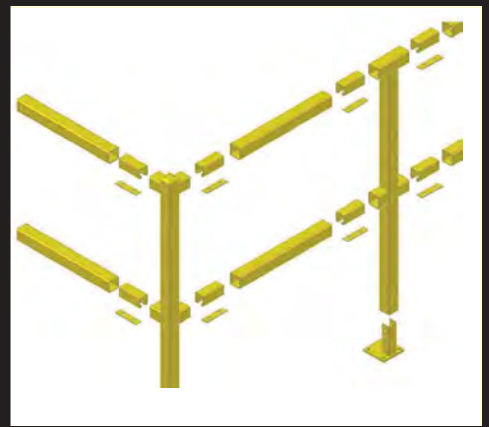
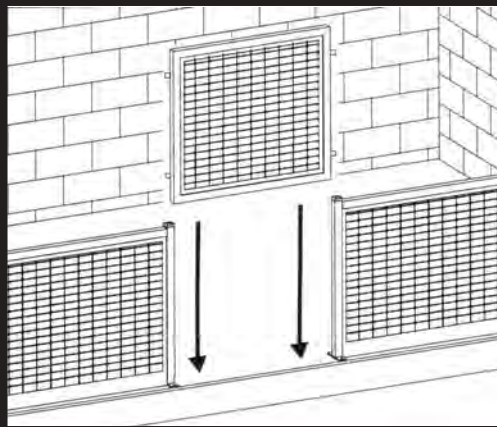
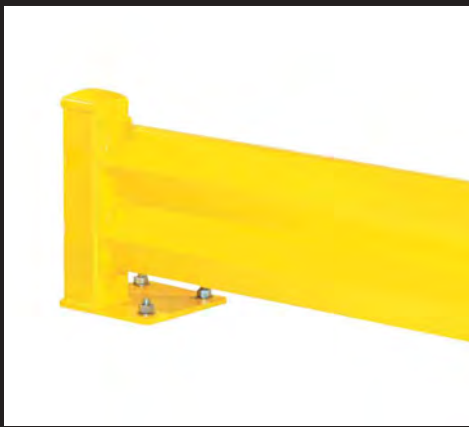
The top rail is 42" high with the mid-rail centered 20" from the floor. Rails and posts are constructed of 2" square, 14 gauge steel tubing. Posts have a 4" x 4" base plate with 7/16" diameter mounting holes. Anchors by others. System may be face mounted on mezzanines or deck mounted to the floor.



RAILS		POSTS		KICKPLATES	
Part No.	Description	Part No.	Description	Part No.	Description
HR 2	1'-6" Long	HRRP	42" Run	HRKP 2	2'-2" Long
HR 4	3'-6" Long	HRCP	42" Corner	HRKP 4	4'-2" Long
HR 8	7'-6" Long	HREP	42" End	HRKP 8	8'-2" Long

# Specifications

## GuardRail, MezzaRail, and HandRail



### GuardRail

**COLUMNS** – All columns shall be made of 4" square x 1/4" wall structural steel tubing, with 10" square x 1/2" thick steel base plates securely welded to the column, and metal cap. Uprights shall have 9/16" holes drilled at the factory to accept rail mounting hardware. Single rail columns are 17" high, double rail columns 43" high. Column uprights shall be centered on base plates with four 7/8" holes for anchoring to the floor. Column uprights with offset base plates may have three holes for anchoring to the floor.

**RAILS** – All rails shall be formed from 11 gauge steel free from burrs and surface defects, with 3-1/2" x 13" x 1/4" steel end plates securely welded to each. Standard rail sections lengths are 1' 8", 2' 8", 3' 8", 5' 8", 7' 8" and 9' 8". Custom lengths available.

**OPTIONS** – Rail Lift Out kits, offset column base plates, and corner offset columns are available.

**HARDWARE** – Rails mount to columns with 1/2" x 5" through bolts. Columns anchor to floor with 3/4" x 4-1/4" wedge type anchors. Hardware provided.

**FINISH** – All non-plated parts receive two coats of yellow enamel.

### MezzaRail®

**PANELS** – Constructed of 1-1/4" x 1-1/4" x 1/8" steel angle frame, with integrated 4" x 1-1/4" x 14 gauge kick plate across the bottom, and 2" x 1" opening 10 gauge woven wire mesh securely welded into frame. Standard panels are 42" high and 7'-10" long. Each panel has 2" square 14 gauge steel top rail welded to a framed wire mesh panel.

**POSTS** – Newel type posts made of 2" square 14 gauge steel tubing, with decorative steel cap welded into place. Deck mount posts have 3/8" x 2" x 7" base plates securely welded to each. Face mount posts utilize a 1/4" x 2" x 8" plate and bolt to mezzanine's structural edge. MezzaRail® panel section and post combine to make maximum 8' 0" post centers.

**HARDWARE** – Standard 3/8" grade 2 plated fasteners are supplied for connecting panels and posts. Floor or deck anchors are not provided.

**FINISH** – All non-plated parts receive two coats of yellow enamel.

**INSTALLATION** – Buyer should seek the technical assistance necessary to determine the proper anchorage/attachment technique required for each installation. Determination of the anchoring/attachment method used is solely at the buyer's discretion and should be determined with the special structural conditions of the project.

### HandRail

**POSTS AND RAILS** – Constructed of 2" square 14 gauge steel tubing. Two formed 14 gauge steel inserts with 1/8" threaded flat bar shall be provided to connect each rail section to post. All parts factory drilled to accept 3/8" mounting hardware.

**FLOOR SOCKETS** – Consist of 4" x 4" x 1/4" base plate punched with four 7/16 round mounting holes, with a single formed 11 gauge steel mounting channel securely welded into place.

**KICKPLATE** – Shall be 4" in height, constructed of 16 gauge sheet steel, formed at ninety degrees along the top edge and punched with slotted holes on each end for mounting to upright posts. Ends of adjacent kickplates overlap where mounted to post.

**FINISH** – All non-plated parts receive two coats of yellow enamel.

## WireCrafters