

# TIGHT RADIUS SYSTEM (TR31)

## Work Securely and Safely

The Tight Radius rail and trolley system is designed for use as an adjustable anchorage point for fall restraint on marine vessels. Rails are composed of straight, curved, and 200 mm radiused bends that change direction in both horizontal and vertical planes, allowing trolleys to run exceptionally smoothly around very tight radii and joints.



### How does it work?

The TR31 continuous rail and trolley system allows a crew member, fully-harnessed and securely tethered to the trolley, to move freely along the rail with fall-restraint security during inspection and maintenance, or when assisting in pilot transfer. Rails can be either surface or stanchion mounted and are designed so the user never has to unhook and rehook the tether as he moves around the deck.

### Trolley design

- Strong: tested to 1200 kg (2645 lb) 2x MCA requirements
- Compact: minimum intrusion on narrow deck and restricted work areas
- Multidirectional load bearing
- Anodized for maximum corrosion resistance



### Brake trolley design

- Screwpin on trolley keeps it in position when not in use



### Rail design

- Vertical and horizontal operating planes
- 1.3 m unsupported span
- High-strength, marine grade 6061-T6 aluminum rail
- Anodized for maximum protection
- Countersunk M10 fasteners for flush fitting



### Delrin® rollers

- No lubrication required
- Low friction
- Smooth movement
- Roller fully supported on both ends



### Installation and maintenance

The system is easy to install either at initial build or as a retrofit.

Flush clean with fresh water and mild detergent. It is important to clean car. Excessive build-up of grease, dirt, and salt will restrict car movement.

Part No.	Description
IN209.3M.CLEAR	Straight rail section
IN211	Splice link
548	Endstops
IN210.CLEAR	Trolley
IN212.CLEAR	Brake trolley

Rail Bends: 200 mm Radius		
Part No.		Description
Horizontal bend	Vertical outside bend	
IN203.CLEAR	IN206.CLEAR	30° bend
IN205.CLEAR	IN208.CLEAR	45° bend
IN204.CLEAR	IN207.CLEAR	60° bend
IN201.CLEAR	IN202.CLEAR	90° bend