

# KT30 KlipTread™ Hot-dip Galvanized. Industrial Handrail & Walkway Specifications

## Clip-on Cantilever arm with a walkway Top, mid & bottom rail

KiwiRail Type Approved  
Patent Pending 767353



### Key features

- > Modular flexibility
- > No-weld assembly
- > Flat pack delivery
- > Reduced corrosion
- > Available ex-stock
- > BIM & CAD Support

### Applications suited to

- > Interchangeable clamp hooks ensure fitting to a range of different I-beam profiles is seamless.
- > Clipon walkways allow safety for pedestrians and service personnel by segregation from vehicles.
- > Access requirements on I-beam structures
- > Platforms and plantdecks

### Specification Summary

Supply of KlipTread™ proprietary system which includes a clipon cantilever arm and a TR30 handrail mounted onto a walkway to substrate according to Moddex specifications.

### Technical Data

#### Material

Stanchions and rails	Steel/grade C250
Clamp fittings	Ferrous Casting
Clamp locking screws	Stainless Steel (304)

#### Protective coating

Stanchions and rails	G390 Hot-dip Galvanized (min 390g/m <sup>2</sup> )
Clamp fittings	Hot dip Galvanized with patented protective coating on threads
Arm	G 600. Minimum 500g/m <sup>2</sup>
Optional	Powder coating and paint specs*

\*The standard process for Powder Coated and Painted handrail products is as follows: black steel is used for fabrication. The steel is sand blasted and a zinc primer coating is applied. The powder coat / paint coat is then applied over the zinc primer creating a dual shield coating with a decorative finish.

### HANDRAIL

#### Dimensions

Stanchions	Diameter	48.3mm OD 41.9mm ID
	Nominal Thickness	3.2 – 4.0 (loading dependent)

#### Rails

Diameter	48.3mm OD 41.9mm ID
Nominal Thickness	3.2mm

#### Clamp fittings

Thickness	5.0mm (approx)
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#### Weight

Variable depending on building/application/code

Stanchion with clamps	7.2 to 8.0kg
Rail @ 6.0m	21.6kg

#### Fixings

Stanchion attachment to

Concrete	M12 galvanized mechanical concrete anchor
Structural steel	M16 galvanized high tensile bolt set

\*Other Fixing options are available on request

### WALKWAY

Angle Side Supports	75x75x6mm
Material	FRP Grating

### CANTILEVER ARM

Dimensions	8mm Plate 50mm Plate Hooks
Material	C350

### Compliance

Moddex KlipTread™ system is designed and manufactured in accordance with AS/NZS 1657:2018. Galvanized to AS 4792 and AS/NZS 4680:2006 (where applicable). KiwiRail Type Approved - Certificate Number B - TA - 1001.

### Testing

Stringent vibration endurance tests have been performed and independent testing has been carried out to confirm the suitability of the Moddex system in maritime conditions. FEA modelling, static load testing with a PS1 provided.

### Warranty

50 years from date of purchase subject to correct installation, use and maintenance in accordance with manufacturer's specifications and recommendations, unless otherwise negotiated at the time of purchase.\*

— Refer installation manual

\* Excludes FRP

### Inspection & Maintenance

Visual inspection for any damage or loose fixings must be done periodically and prior to use. No certified maintenance required. Basic wear and tear preventative maintenance is recommended, as per manufacturer's specifications and recommendations.

— Refer installation manual

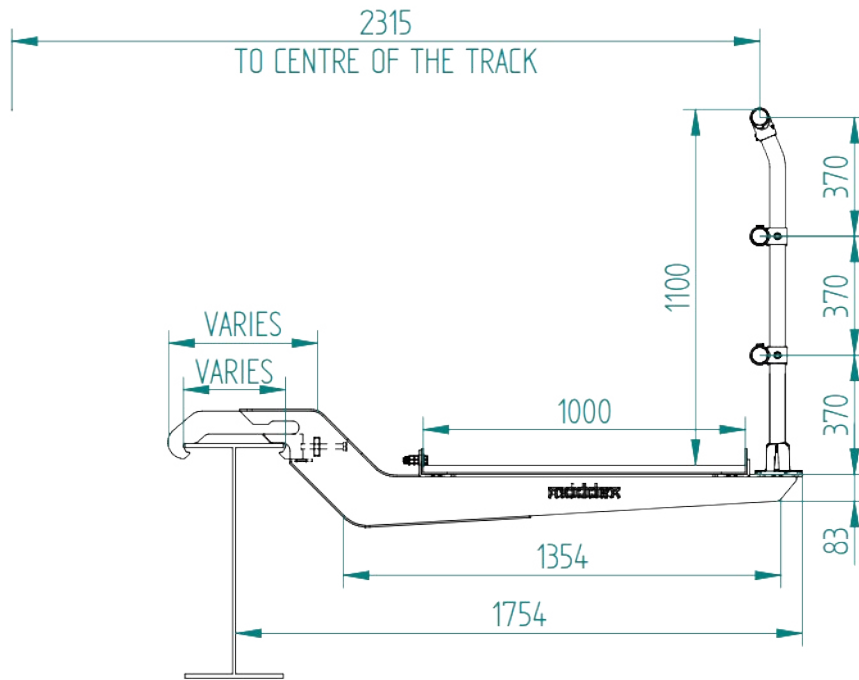
### Design Life

Standard design life of Walkway is 50 years.\*

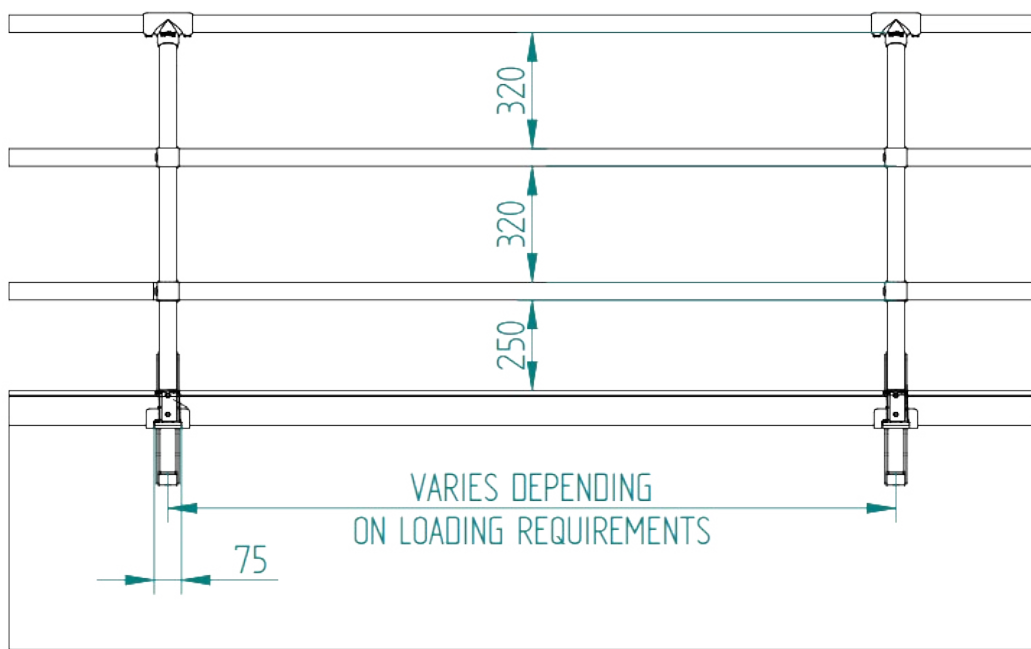
\* Excludes FRP

## Technical Information

### Clip-on Cantilever Arm & Walkway



### Industrail Handrail Tuffrail TR30



**Important Note:** Failure to supply and/or install proprietary product in accordance with above Standards and codes, specification and instructions, voids complete system certification and/or warranty.

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