

TR20A

Tuffrail® Aluminium Industrial Handrail Specifications

Top & Midrail Featuring Alymag Connectors For level, rake or stair applications



Key features

- › Modular flexibility
- › No-weld assembly
- › Superior corrosion protection
- › Lightweight
- › Flat pack delivery
- › Colour options available
- › Available ex-stock
- › BIM & CAD Support

Applications suited to

- › Water treatment facilities
 - › Coastal environments
 - › Jetties and boardwalks
 - › Service platforms and mezzanines
 - › Warehouses and loading bays
 - › Retaining walls and culverts
 - › Roof service areas and fall edges
- Refer to applicable Aust Standards and Building Codes

Specification Summary

Supply and install the proprietary TR20A Tuffrail AlyMag system to substrate according to Moddex specifications, or by a Moddex accredited installer.

Technical Data

Material

Stanchions & rails	Marine grade structural aluminium 6106-T6
Clamp fittings	AlyMag® Cast Alloy
Clamp locking screws	Stainless steel (304)

Protective coating

Optional	Powder coating and paint specs*
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*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.

Dimensions

Variable depending on building/application/ code

Stanchions

Diameter	48.3mm OD
Nominal Thickness	3.2 - 4.0mm (loading dependent)

Rails

Diameter	48.3mm OD
Nominal Thickness	3.2mm

Clamp fittings

Thickness	5.0mm (approx)
Locking screws	M12 x 1.75 x 11mm - DEXX Drive

Weight

Variable depending on building/application/ code

Stanchion with clamps	2.5 to 3.3kg
Rail per metre	1.6kg

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

Compliance

Moddex TR20A handrails are designed and manufactured in accordance with Australian Standard AS1657:2018 and relevant statutory WHS Codes of Practice/ Guidelines.

Testing

The system has been tested by a NATA accredited laboratory to AS 1657:2018.

Warranty

5 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.

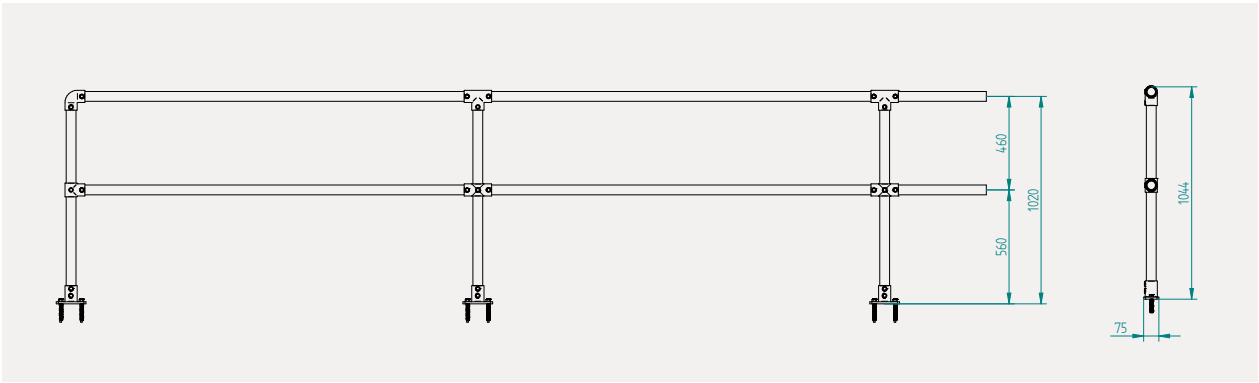
— Refer maintenance manual

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 maintenance manual

Technical Information



Mount Dimensions

<p>T2 - Top Mount (2 Fixings)</p>	<p>F2 - Face Mount (2 Fixings)</p>	<p>CL - Channel Mount (2 Fixings)</p>
<p>GD - Inground Mount</p>	<p>CD - Cored Mount</p>	<p>AM - Angle Mount</p>

Standard References

<p>Australian Standard AS 1657:2018</p> <p>5.4 GUARDRAILING</p> <p>5.4.1</p> <p>5.4.2</p> <p>5.5 TOEBOARD</p>

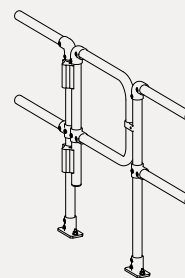
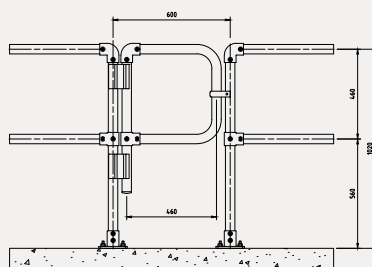
Technical Drawing MD582.0600 – Self Closing Gate

MD582.0600

Post Spacing 600mm

Length 460mm

Height 460mm



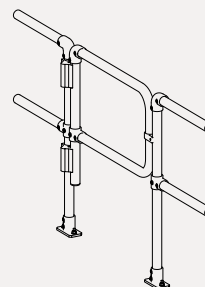
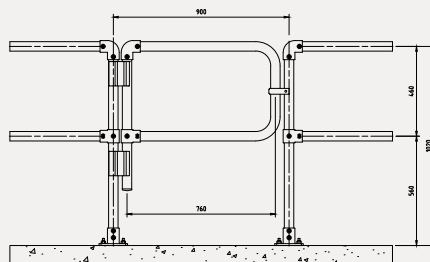
Technical Drawing MD582.0900 – Self Closing Gate

MD582.0900

Post Spacing 900mm

Length 760mm

Height 460mm



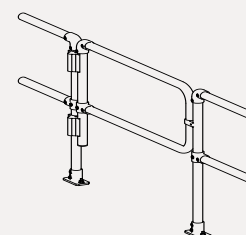
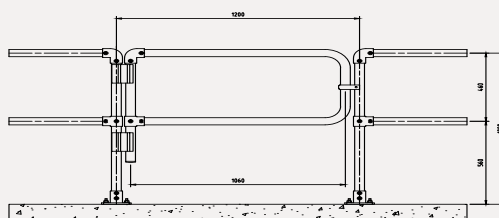
Technical Drawing MD582.1200 – Self Closing Gate

MD582.1200

Post Spacing 1200mm

Length 1060mm

Height 460mm



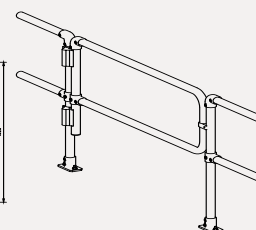
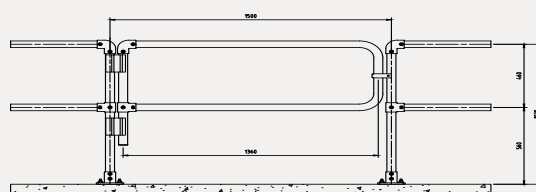
Technical Drawing MD582.1500 – Self Closing Gate

MD582.1500

Post Spacing 1500mm

Length 1360mm

Height 460mm



Technical Drawing – 900mm Custom Gate with Toeboard

MD582.0900 Custom

Post Spacing 900mm

Length 760mm

Height 1034mm

