

AR150S Assistrail

Public Access Handrail Specifications

Stainless Steel Single Offset Handrail / Wall Mounted

For level, ramp and stair applications with suitable substrate for mounting



Key features

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

Applications suited to

- > DDA access ramps and stairs
- > Fire and access stairs
- > Aged care and accommodation
- > Hospitals, schools, universities
- > Public transport and sightseeing
- > Community and recreation centres

Specification Summary

Supply and install the proprietary AR150 handrail system to substrate according to Moddex specifications, or by a Moddex accredited installer.

Technical Data

Material

| | |
|--------------------|-----------------------|
| Stanchions & rails | Stainless Steel (304) |
| Clamp fittings | Stainless Steel (304) |

Protective coating

| | |
|----------------|---------------------------------|
| Clamp fittings | Stainless Steel (304) |
| 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 and then hot-dipped galvanized. Product is then de-gassed and pre-treated before powder coating is applied on top of galvanising.

Dimensions

Variable depending on building/application/code

Stanchions

| | |
|-------------------|-----------|
| Diameter | 50.8mm OD |
| Nominal Thickness | 1.6mm |

Rails

| | |
|-------------------|-----------|
| Diameter | 50.8mm OD |
| Nominal Thickness | 1.6mm |

Compliance

Moddex AR150 handrails are designed and manufactured in accordance with the New Zealand Building Code D1 Access Routes and NZS 4121:2001. Galvanized to AS 4792 and AS/NZS 4680:2006 (where applicable).

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

Basis of Design

When designed as per the Moddex PS1

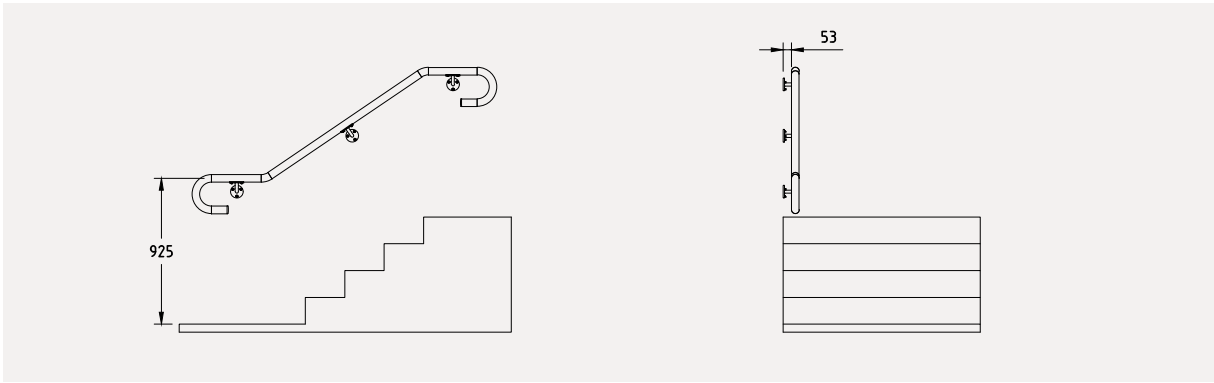
1. Design Life: 50 years minimum
2. Building Occupancy: B, E
3. Loading: AS/NZS 1170.1:2002 - TABLE 3.3
AS 1657: 2013 CL6.1
4. Live Loading: Line: 0.35kN/m
Concentrated: 0.6kN
Infill: N/A

BPIR

BPIR, set new minimum requirements for the level of information required about building products supplied to the New Zealand market. Moddex is committed to meeting these requirements - download the latest information here:

<https://moddex.com/resources/downloads/#bpir-sheets>

Technical Information



Standard References

New Zealand Building Code

- As noted in NZBC Clause D1 Access Routes, handrails shall be provided on both sides of accessible stairways and accessible ramps.

New Zealand Standard 4121:2001

- 8.3 Stair Design
- Figure 22
- Figure 23
- 8.6

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