## 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 AR20 handrail system to substrate according to Moddex specifications, or by a Moddex accredited installer.

## Technical Data
### Material
- **Stanchions & rails**: Steel/grade C250 & 350
- **Kerb Rail**: Aluminium Extrusion (with EPDM Separation pads)
- **Clamp fittings**: Malleable Cast iron
- **Clamp locking screws**: Stainless Steel (304)
- **Protective coating**: G390 Hot-dip Galvanized (min 390g/m²)
- **Optional**: Powder coating and paint specs*

### Dimensions
<table>
<thead>
<tr>
<th>Feature</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Variable depending on building/application/code</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Stanchions</strong></td>
<td></td>
</tr>
<tr>
<td>Diameter</td>
<td>48.3mm OD / 41.9mm ID</td>
</tr>
<tr>
<td>Nominal Thickness</td>
<td>3.2mm - 4.0mm (loading dependent)</td>
</tr>
<tr>
<td><strong>Rails</strong></td>
<td></td>
</tr>
<tr>
<td>Diameter</td>
<td>48.3mm OD / 41.9mm ID</td>
</tr>
<tr>
<td>Nominal Thickness</td>
<td>3.2mm</td>
</tr>
<tr>
<td><strong>Clamp fittings</strong></td>
<td></td>
</tr>
<tr>
<td>Thickness</td>
<td>5.0mm (approx)</td>
</tr>
<tr>
<td><strong>Kerb Rail</strong></td>
<td></td>
</tr>
<tr>
<td>Height</td>
<td>122mm</td>
</tr>
<tr>
<td>Width</td>
<td>24mm</td>
</tr>
<tr>
<td><strong>Weight</strong></td>
<td></td>
</tr>
<tr>
<td>Variable depending on building/application/code</td>
<td></td>
</tr>
<tr>
<td><strong>Stanchion with clamps</strong></td>
<td>7.2 to 8.0kg</td>
</tr>
<tr>
<td><strong>Rail @ 6.0m</strong></td>
<td>21.6kg</td>
</tr>
</tbody>
</table>

### Compliance
Moddex AR20 handrails are designed and manufactured in accordance with Australian Standard AS 1428.1-2009 and relevant statutory WHS Codes of Practice/Guidelines. Galvanized to AS 4792 and AS/NZS 4680:2006 (where applicable).

### Testing
Testing and performance based on requirement of Australian Standard AS1170.1 Clause 3.6 Table 3.3. Stringent vibration endurance tests have been performed.

### 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.

### 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.

### 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*

---

*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 coating to create a dual shield coating with a decorative finish.*

---

Design and manufactured by Moddex. ©Moddex Group. All Rights Reserved.
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.

Excerpt from Australian Standard AS 1428.1:2009

10.3 (e) Ramps shall have a handrail complying with Clause 12 on each side of the ramp

10.3 (i) Ramps and intermediate landings shall have kerb rails on both sides that comply with the following:

i. The minimum height above the finished floor shall be 65mm.

ii. The height of the top of the kerb or kerb rail shall not be within the range 75mm to 150mm above the finished floor.

iii. There shall be no longitudinal gap or slot greater than 20mm in the kerb or kerb rail within the range 75mm to 150mm above the finished floor.

12 (i) Handrails shall have no obstruction to the passage of a hand along the rail.

For information or technical support please contact us

1800 663 339 (AU)
0800 663 339 (NZ)

moddex.com