# CB10 Conectabal
## Commercial Balustrade Specifications

# Standard Balustrade
## For level applications, greater than one metre

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

## Applications suited to
- Retaining walls and carparks
- DDA access ramps and stairs
- Accommodation units
- Sporting facilities and stadiums
- Public transport and sightseeing
- Fire and access stairs
- Footbridges and culverts
- Loading bays and mezzanines
- Refer to applicable NZ Standards and Building Codes.

## Specification Summary
Supply and install the proprietary CB10 barrier system to substrate according to Moddex specifications, or by a Moddex accredited installer.

## Technical Data

### Material

| | |
|---|---|
| Stanchions, rails & balustrades | Steel/grade C250 & 350 |
| Clamp fittings | Malleable Cast iron |
| Clamp locking screws | Stainless Steel (304) |

### Protective coating

| | |
|---|---|
| Stanchions, rails and balustrades | G390 Hot-dip Galvanize (min 390g/m$^2$) |
| Clamp fittings | Hot-dip Galvanized with patented protective coating on threads |
| 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 application/code

### Stanchions

| | |
|---|---|
| Diameter | 48.3mm OD<br>41.9mm ID |
| Nominal Thickness | 3.2mm - 4.0mm<br>(loading dependent) |

### Rails

| | |
|---|---|
| Diameter | 48.3mm OD<br>41.9mm ID |
| Nominal Thickness | 3.2mm |

### Balustrade

| | |
|---|---|
| Baluster | 12mm |
| Baluster Centres | 100mm<br>(88mm gap) |
| Heavy Duty Baluster | 16mm |
| Baluster Centres | 100mm<br>(84mm gap) |

### Clamp fittings

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

## Weight
Variable depending on application/code

| | |
|---|---|
| Stanchion with clamps | 7.2 to 8.0kg |
| Rail @ 6.0m | 21.6kg |
| Balustrade Panel @ 2.0m | 29kg |

## Fixings
Stanchion attachment to

| | |
|---|---|
| Concrete | M12 galvanized mechanical concrete anchor |
| Structural steel | M16 galvanized high tensile bolt set |
| Timber | Stainless or galv coach screws |

*Other Fixing options are available on request

## Compliance
Moddex CB10 balustrades are designed and manufactured in accordance with the New Zealand Building Code D1 Access Routes and F4 Safety from Falling.

## Testing
Testing and performance based on requirement of Standard AS/NZS 1170.1 Clause 3.6 Table 3.3.
Static load testing has been performed and independant testing has been carried out to confirm the suitability of the Moddex system in maritime conditions.

## 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.

## Basis of Design
When designed as per the Moddex PS1

1. Design Life: 50 years minimum

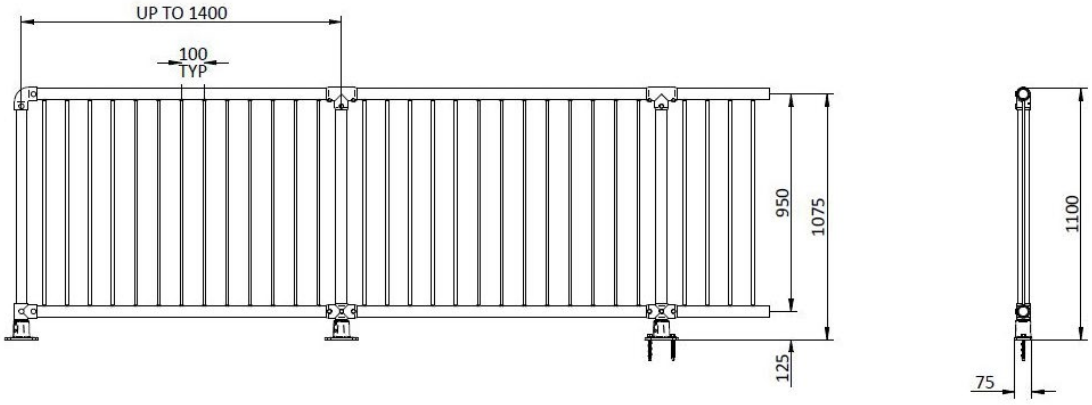
2. Building Occupancy: A, B/E & C3

3. Loadings: AS/NZS 1170.1:2002 - Table 3.3
AS 1657:2013 - CL6.1

4. Live Loadings: Line: 0.75 kN/m
Concentrated: 0.6 kN
Infill: 1KPa/0.5KN

## 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

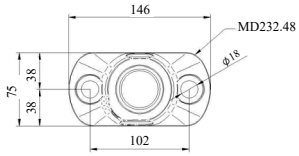
## Technical Information



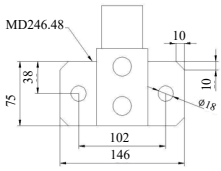

## Mount Dimensions

### FIXING TO CONCRETE

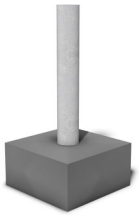
T2 - Top Mount (2 Fixings)

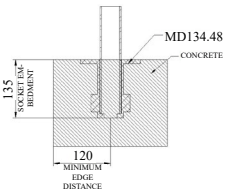



F2 - Face Mount (2 Fixings)

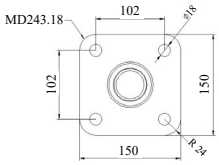



CD - Cored Mount



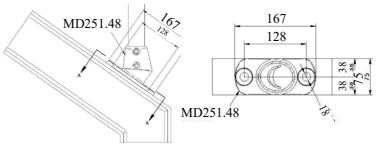



T4 - Top Mount (4 Fixings)

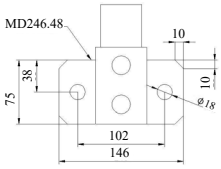



### FIXING TO STEEL

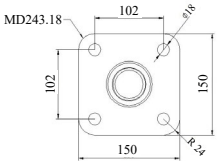
T2 - Top Mount (2 Fixings)




F2 - Face Mount (2 Fixings)

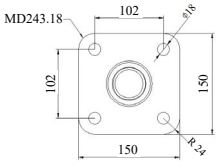



T4 - Top Mount (4 Fixings)

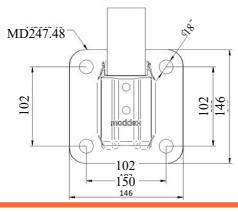



### FIXING TO TIMBER

T4 - Top Mount (4 Fixings)




F4 - Face Mount (4 Fixings)




## 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.
- When a ramp, stair or landing is situated so that a person could fall 1m or more, then a barrier shall be provided that meets the requirements of NZBC Clause F4 Safety from falling.

DOWNLOAD OUR GUIDE TO HANDRAIL & BALUSTRADE COMPLIANCE HERE

**Important Note:** Failure to supply and/or install proprietary product in accordance with above Standards and codes and the Moddex PS1, voids complete system certification and/ or warranty.



For information or technical support please contact us
T 1800 663 339 (AU)
T 0800 663 339 (NZ)

moddex.com