

Compliance Tips

A summary of the barrier requirements under NCC 2016 BCA Section D2.16

Under NCC 2016 BCA Section D2.16, a continuous barrier must be provided along the side of:

- A roof in which general access is provided; and
- A stairway, ramp, floor, corridor, hallway, balcony, deck, verandah, mezzanine, access bridge or similar; and
- Any delineated path of access to a building

if the trafficable surface is 1 m or more above the surface beneath, in the areas listed above.

A barrier required under the above must be constructed in accordance with the table below.

1. Barrier Heights ¹	
<i>Location</i>	<i>Minimum Height</i>
<ul style="list-style-type: none"> • Stairways or ramps with a gradient of 1:20 or steeper • A landing to a stair or ramp where the barrier is provided along the inside edge of the landing and does not exceed 500 mm in length 	865 mm
<ul style="list-style-type: none"> • In other locations 	1 m
2. Barrier Openings ²	
<i>Location</i>	<i>Maximum Opening</i>
<ul style="list-style-type: none"> • Fire-isolated stairways, fire-isolated ramps and other areas used primarily for emergency purposes, excluding – • external stairways; and <ul style="list-style-type: none"> • external ramps • Class 7 (other than carparks) and Class 8 buildings 	A 300 mm sphere must not be able to pass through any opening; or where rails are used - <ul style="list-style-type: none"> • A 150 mm sphere must not be able to pass through the opening between the nosing line of the stair treads and the rail or between the rail and the floor of the landing, balcony or similar; and • The opening between rails must not be more than 460 mm
<ul style="list-style-type: none"> • In all other locations 	A 125 mm sphere must not be able to pass through any opening
3. Barrier Climbability	
<i>Location</i>	<i>Requirement</i>
<ul style="list-style-type: none"> • Fire-isolated stairways, fire-isolated ramps and other areas used primarily for emergency purposes, excluding – <ul style="list-style-type: none"> • external stairways; and • external ramps • Class 7 (other than carparks) and Class 8 buildings 	No requirement
<ul style="list-style-type: none"> • For floors more than 4 m above the surface beneath, in all other locations 	Any horizontal or near horizontal elements between 150 mm and 760 mm above the floor must not facilitate climbing

¹ Please note, the heights are measured vertically from the surface beneath, except for stairways where the height must be measured vertically from the nosing line of the stair. A transition zone can also be incorporated where the barrier changes height from 865 mm on a stair flight or ramp to 1 m at a landing or floor.

² The maximum 125 mm barrier opening for a stairway is measured above the nosing line of the stair treads.

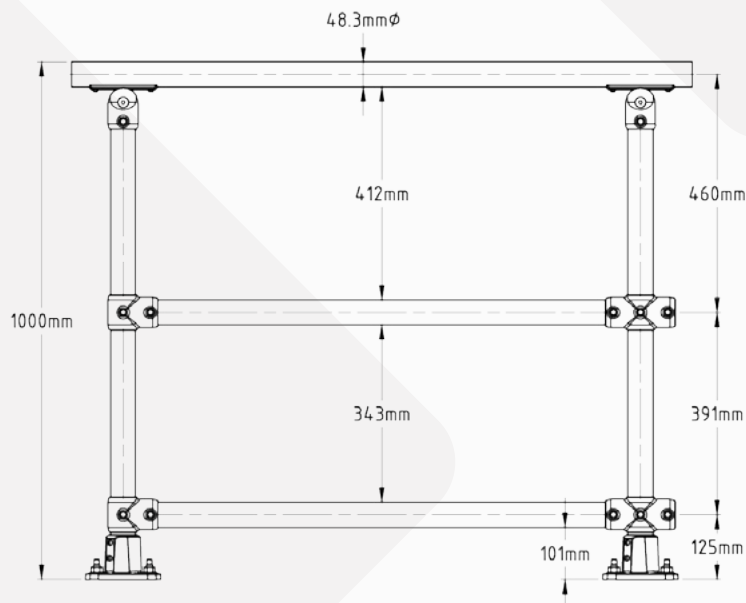
Please note that the above list & table is only a small snippet of the compliances detailed under NCC 2016 BCA Section D2.16 for barriers. The standard must be read in full to understand all of the compliances required to create a compliant barrier system.

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A summary of the barrier requirements under NCC 2016 BCA Section D2.16 continued

The section views below shows the Moddex Assistrail AR45 system & the Moddex Conectabal CB30 system detailed to the compliance requirements in NCC 2016 BCA Section D2.16.

Moddex Assistrail AR45 System



Moddex Conectabal CB30 System

