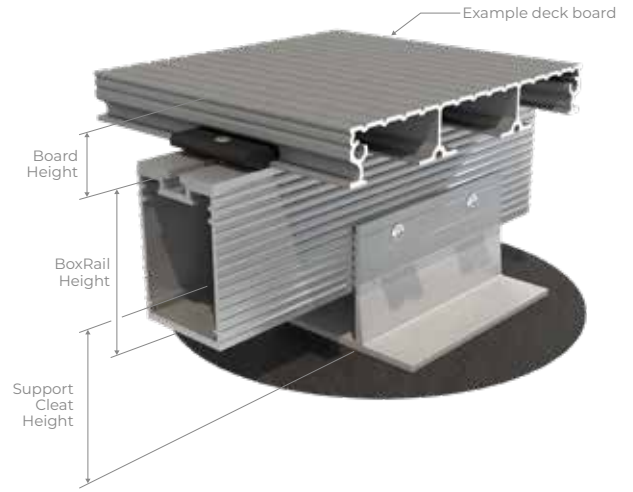


# BoxRail Support System

## Overview

A1 Fire rated, non-combustible aluminium support system with a unique clip designed for restraining porcelain tiles against wind-uplift. Suitable for use with all balconies and terraces. Compatible with all MyDek decking finishes, machined exterior porcelain and concrete tiles of 20mm thickness minimum.



### FEATURES:

- Fully certified
- Non-combustible
- Lightweight
- 30 year warranty
- 60 year design life

### MATERIAL:

All components: Aluminium grade 6063-T6  
 Expansion allowance: 1mm per linear metre  
 Finish: Mill

### SUPPORT CLEATS:



**Small**  
(35mm high)



**Medium**  
(53mm high)



**Large**  
(107mm high)



**Extender**  
(50mm)

### BOXRAILS:



**BoxRail 35**



**BoxRail 60**



**BoxRail 90**



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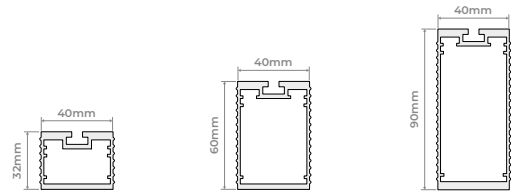
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## DIMENSIONS & PRODUCT CODES:

**Note:** Construction heights in the table below include the height of the Support Cleat and BoxRail and exclude the height of the deck board.



Support Cleat		BoxRail 35		BoxRail 60		BoxRail 90	
Product codes	Height (mm)	BR32		BR60		BR90	
		Min	Max	Min	Max	Min	Max
<p><b>SF04</b></p>	35	<b>35</b>	<b>57</b>	63	85	93	115
<p><b>SF01</b></p>	53	53	75	<b>63</b>	<b>103</b>	93	133
<p><b>SF06</b></p>	107	107	129	<b>107</b>	<b>157</b>	<b>107</b>	<b>187</b>
<p><b>CX01</b></p> <p>Additional extensions can be added to increase overall height</p>	50	157	179	157	207	157	237

**Recommended BoxRail/Support Cleat combinations**



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## LOAD SPANS (LOAD CAT A - DOMESTIC BALCONY: 2.0KN POINT LOAD, 2.5KN/SQM AREA LOAD)

Product code	Max Support Centres	Max Overhang	Deflection at 2kN
BR32 BoxRail 35	1000mm	190mm	< 5mm
BR60 BoxRail 60	1500mm	300mm	< 5mm
BR90 BoxRail 90	1900mm	500mm	< 5mm

## LOAD SPANS (LOAD CAT C5 – CROWDED PUBLIC AREAS: 5.0KN POINT LOAD, 3.6KN/SQM AREA LOAD)

Product code	Max Support Centres	Max Overhang	Deflection at 2kN
BR32 BoxRail 35	900mm	140mm	< 5mm
BR60 BoxRail 60	1200mm	275mm	< 5mm
BR90 BoxRail 90	1650mm	500mm	< 5mm

Deflections taken on fully factored loads according to Eurocode EN 1991:2002/A1:2005, including partial load factor of 1.5, partial material factor of 1.15, reliability/consequence class RC1/CC1 of 0.9. Other load span recommendations available on request.

## PERFORMANCE STANDARDS:

QUALITY	STANDARD	VALUE	MIN. REQUIRED STANDARD
Coefficient of thermal expansion	N/A	0.024mm/m/°C	-
Reaction to Fire	EN 13501 – 1 A1:2013	A1	A2-s1,d0

## APPLICATIONS:

For use on balconies, walkways, roof terraces, leisure areas and patios.

## INSTALLATION:

Clipped onto Support Cleats and fixed using supplied self-drilling screws. Rail clips to adjustable pedestal. Rubber protection mats should be inserted to protect waterproofing membranes if necessary. Contact MyDek Technical Support for support if anchoring is required.



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# MYDEK®

Non-combustible decking systems

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## STORAGE AND HANDLING:

Profiles are packaged with protection against scratching and contamination, and supplied with appropriate support (e.g. stillage or pallet). Ensure that this level of protection is maintained until installation, including storage in dry conditions and support along the length of the profiles. Improper storage may lead to damage that falls outside the warranty.

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## ACCESSORIES:

For full range of accessories visit [www.mydek.com](http://www.mydek.com)

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## MANUFACTURER:

**MyDek Limited**  
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## Summary

### Safe.

All aluminium used to create MyDek is compliant with current industry and manufacturing standards. The products are fully tested for durability, deflection and slip resistance. All MyDek products are certified to the relevant fire standards.

### Smart.

Under normal usage, MyDek is easy to maintain - simply wash the deck surface as needed without abrasive chemicals. MyDek is one of the lowest-maintenance systems available.

The unique ClipRail™ and SupportRail™ systems make MyDek installation fast and simple.

### Sustainable.

The 60-year service life and ability to be recycled make MyDek a sustainable building feature. The longer life cycle reduces the energy required to produce replacements.

Aluminium wastage created through any of the manufacturing process is fully recyclable and is used to create other aluminium products.



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