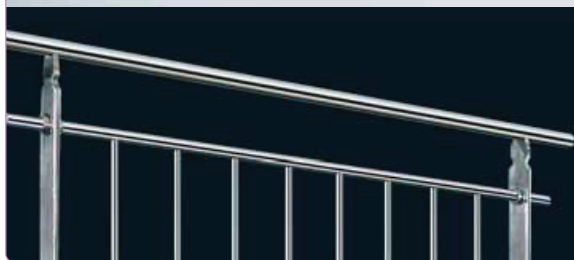


# P R E F I T

FITTINGS FOR GLASS

B•inox



# B•inox

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## B•inox

In this catalogue we present B-INOX, the modular stainless steel railing system, designed, manufactured and patented by CBM-barcelona-Grup Blamar.

### B•INOX'S MAIN ADVANTAGES

#### Modular Sections, Made-to-measure

The railing system is supplied as a made-to-measure solution able to respond to almost any project.

We calculate and quote all railing projects, if we receive a drawing with the necessary details.

Upon order confirmation, we deliver all the necessary stainless steel components adjusted to the specific project requirements.

#### A Non-welding System - Easy to Install

All B-INOX designs are based on a non-welding concept, which makes them easy to install. Furthermore, installations in stairs have been facilitated with the automatic ball connector mechanism that adjusts the railing system to the slope.

#### High-grade Stainless Steel AISI 316L

Not all stainless steel qualities are the same. All B-INOX components are made of high-grade stainless steel AISI 316L, which has an enhanced corrosion resistance compared to other stainless steel qualities. This makes B-INOX the ideal solution in any environment: stair cases, swimming pools, balconies, shopping centers, maritime promenades, polluted areas, etc.

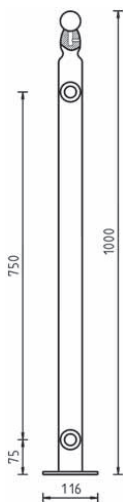
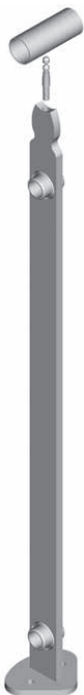
B•inox 100



# B•inox 100

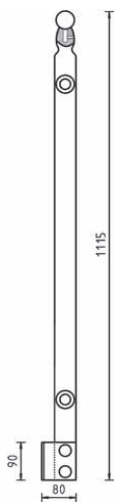
### ▼ Top mounted upright

Ref. 100.1  
For horizontal surfaces  
Ref. 100.11  
For stairs



### ▼ Side mounted upright

Ref. 100.2  
For horizontal surfaces  
Ref. 100.12  
For stairs



### ▼ Corner mounted upright

Ref. 100.3  
For horizontal surfaces



▲ 90° angle bend included.



Maximum distance between vertical bars.

Solid stainless steel quality AISI 316L, measurements 50x12.

## VERTICAL BAR SECTIONS

**B-INOX 100** consists of vertical bars sections mounted between the distinctive upright designs from CBM-barcelona.

The different B-INOX 100 sections offer the following possibilities:

- Horizontal surfaces (straight or corner uprights)
- Stairs
- Combination of horizontal surfaces and stairs

A close up detail of the upper part of a B-INOX 100 upright.



### THE UPRIGHTS INCLUDE THE FOLLOWING ELEMENTS:

Internal expansive tube joints for handrail connexions Ø43.

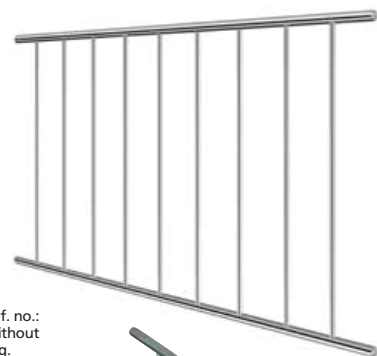
The necessary accessories for anchoring of the uprights (in concrete): Screws and expanding Rawlplugs for secure fixing. Snap cover to conceal bolt ends.

### Ref. 100.5 ▶

**A vertical bar section for horizontal surfaces.**  
This section is delivered assembled.  
Tube AISI-316L  
Ø25 + Ø13.



Both ref. no.: joint without welding.



### Ref. 100.6 ▶

**A vertical bar section for stairs.**  
This section is delivered assembled, and it adjusts automatically to the slope of the stairs.  
Tube AISI-316L  
Ø20 + Ø13.  
Maximum slope: 35°.



Maximum distance between uprights in **horizontal surfaces** and **stairs** = **1.20 m**

### B•inox 200

### HORIZONTAL OR INCLINED BAR SECTIONS

**B-INOX 200** facilitates the installation of horizontal and inclined bar sections as no other railing system. The distinctive ball connector mechanism adjusts automatically the railing system to the slope of the stairs. Therefore it is no longer necessary to calculate the slope before ordering. It even adjusts to stairs that change in width.

A close up detail of the upper part of a B-INOX 200 upright.

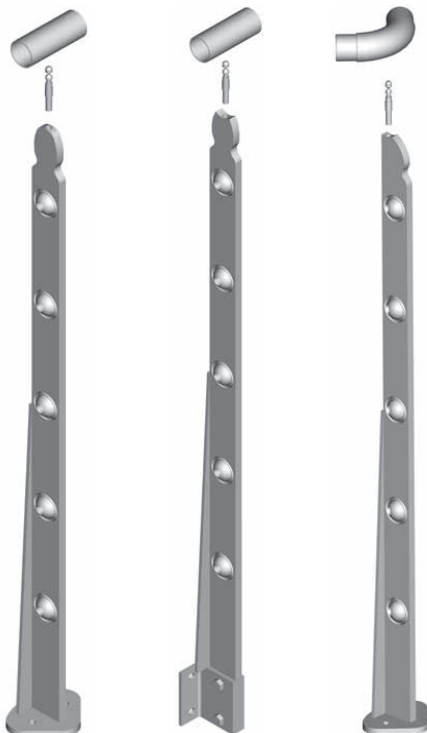


# B•inox 200

## SPECIFIC ELEMENTS FOR B•INOX 200

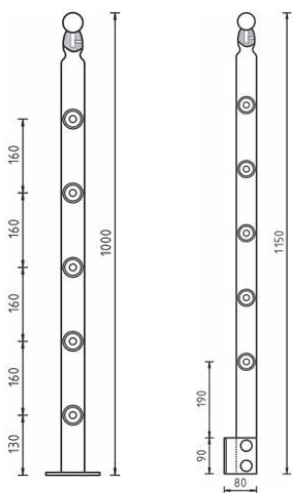
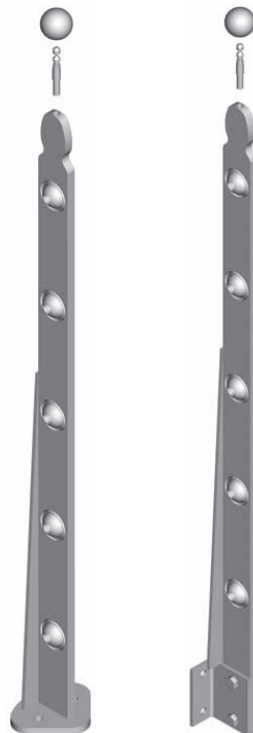
### Uprights for horizontal surfaces

- ▼ Top mounted Ref. 200.1
- ▼ Side mounted Ref. 200.2
- ▼ Top mounted Ref. 200.3

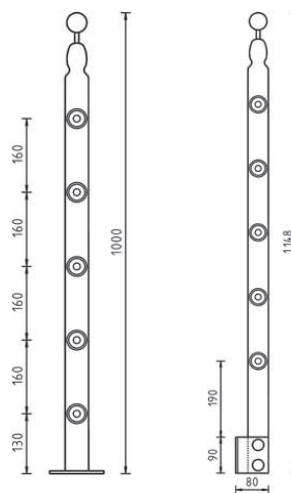


### Uprights for stairs

- ▼ Top mounted Ref. 200.4
- ▼ Side mounted Ref. 200.5



▲ 90° angle bend included.



Solid stainless steel quality AISI 316L, measurements 50x12.

CBM recommends uprights for 5 horizontal bars, but we also supply uprights for fewer bars on request.

Maximum distance between uprights in **horizontal surfaces** and **stairs** = **2.20 m**

### THE UPRIGHTS INCLUDE THE FOLLOWING ELEMENTS:

Internal expansive tube joints for handrail connexions Ø43.

The necessary accessories for anchoring of the uprights (in concrete): screws and expanding Rawlplugs for secure fixing. Snap cover to conceal bolt ends.

5 ball connectors for the fastening of Ø15 tubes.

A lateral support structure (stair design).

### For B•INOX 200 installations add:

Tube Ø15 (ref. no. 13)  
+ Tube caps Ø15 (ref. no. 14).

Tube Ø43 (ref. no. 10)  
+ Tube caps Ø43 (ref. no. 11).



# P R E F I T

FITTINGS FOR GLASS

B•inox

## B•inox 300



The PZ-1 clamp is screwed onto the B-INOX 300 upright.



### SECTIONS WITH GLASS INFILL PANELS

B-INOX 300 combines stainless steel and glass. The most used materials in today's architecture.

The uprights with in-line mounted clamps are the ideal solution for laminated glass projects. (4+4 or 5+5).



Base plate for top mounting (they are the same for all B-INOX designs).



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# B•inox 300

## SPECIFIC ELEMENTS FOR B•INOX 300

### Uprights for horizontal surfaces

▼ Top mounted  
Ref. 300.1



▼ Side mounted  
Ref. 300.2



▼ Top mounted  
Ref. 300.3

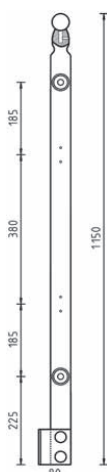
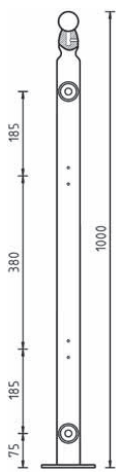


### Uprights for stairs

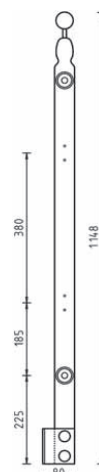
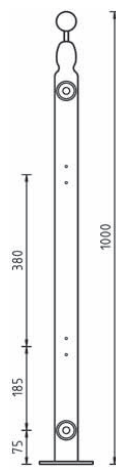
▼ Top mounted  
Ref. 300.4



▼ Side mounted  
Ref. 300.5



▲ 90° angle bend and adaptors for the fastening of clamps included.



Solid stainless steel quality AISI 316L, measurements 50x12.

B•INOX 300 uprights are also available with a Ø25 tube instead of a Ø15 tube on request (only for horizontal surfaces).

Maximum distance between uprights for laminated glass 4+4 = 1.60 m

Maximum distance between uprights for laminated glass 5+5 = 1.30 m

### THE UPRIGHTS INCLUDE THE FOLLOWING ELEMENTS:

Internal expansive tube joints for handrail connexions Ø43.

The necessary accessories for anchoring of the uprights (in concrete): Screws and expanding Rawlplugs for secure fixing. Snap cover to conceal bolt ends.

2 ball connectors for tubes Ø15 (for the protection of the glass).

Pre-thread holes for the fastening of 4 clamps (CBM PZ-1).

### For B•INOX 300 installations add:



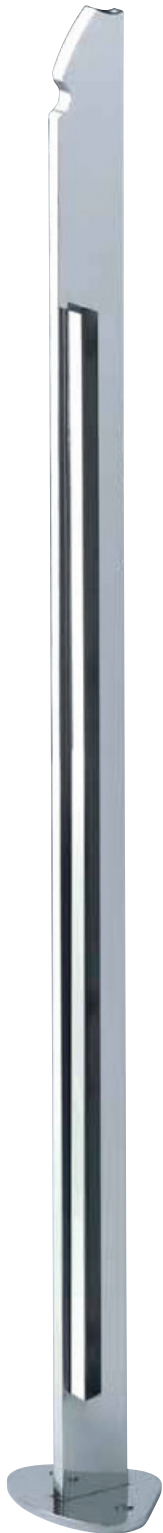
**PZ-1 Clamps** (ref. no. 3205) for 8 mm (4+4) or 10 mm (5+5) glass. Other glass thicknesses on request. Dimensions: 50 x 40 x 24 mm.

**Tube Ø15** (ref. no. 13) + **Tube caps Ø15** (ref. no. 14).

**Tube Ø43** (ref. no. 10) + **Tube caps Ø43** (ref. no. 11).



### B•inox 310



#### FOR GLASS PANELS

U-channel fixings

#### U channel features:

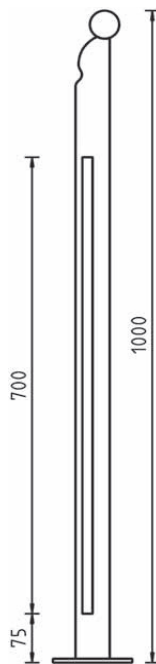
Available inner measurements:  
12x20 (for 4+4 glass)  
15x20 (for 5+5 glass)

The U-channel fixing includes a lower stop.

#### Available upright options

Ref. no.	Type of anchoring		U channel fixed to:		
	TOP	SIDE	THE LEFT	THE RIGHT	BOTH SIDES
310.11	●		●		
310.12	●			●	
310.13	●				●
310.21		●	●		
310.22		●		●	
310.23		●			●
310.3	●				●

310.3 - Upright for 90° corner.



### B•inox 320



#### GLASS PARTITIONS

U-channel fixings



Standard height = 1 m  
(All other measurements on request).

Available inner measurements:  
12x20 (for 4+4 glass)  
15x20 (for 5+5 glass)

The U-channel fixing includes a lower stop.

#### Available upright options

Ref. no.	Type of anchoring		U channel fixed to:		
	TOP	SIDE	THE LEFT	THE RIGHT	BOTH SIDES
320.11	●		●		
320.12	●			●	
320.13	●				●
320.21		●	●		
320.22		●		●	
320.23		●			●

# B•inox 400

### Uprights for horizontal surfaces

▼ Top mounted

Ref. 400.1

▼ Side mounted

Ref. 400.2



Standard height: 1 m

Solid stainless steel quality  
AISI 316L, measurements 50x12.

## FRONT MOUNTED GLASS PANEL SECTIONS

### Clamp Fixings



A close up detail of B-INOX 400.2's anchor brackets.

For B-INOX 400 installations add:



▲ Simple PZ-2

Ref. 3212

PZ-2 clamp for 8 or 10 mm glass.  
Measurements: 50 x 60 mm.  
**Simple.**  
**Without stop.**

Ref. 3213

PZ-2 clamp for 8 or 10 mm glass.  
Measurements: 50 x 60 mm.  
**Simple.**  
**With stop.**




▲ Double PZ-2

Ref. 3214

PZ-2 clamp for 8 or 10 mm glass.  
Measurements: 88 x 60 mm.  
**Double.**  
**Without stop.**

Ref. 3215

PZ-2 clamp for 8 or 10 mm glass.  
Measurements: 88 x 60 mm.  
**Double.**  
**With stop.**

 These clamps are available with spacers.

### B•inox SM

Complements for  
B•INOX installations

**B•INOX-SM** is the ideal solution for brick balconies or other constructions that require a top railing to comply with the Building Regulations.

The height is adjusted to each project's requirements. The anchoring is the same as for the other B•INOX designs.

Ref. 500.1

**Straight upright.**  
Measurement specifications in purchase order.

Ref. 500.2

**Corner upright.**  
Measurement specifications in purchase order (90° angle bend included).



### B•inox PS

**B•INOX-PS** for wall mounting is the perfect solution where no other B•INOX solution is possible, or as a complement to the other B•INOX designs.

It is fixed by concealed screws in each support brackets and it is only necessary to specify the length in the purchase order.

With the use of **ball connectors (ref. 17)**, it is also available for sections with different slopes.





### B•INOX SYNOPSIS

#### UPRIGHTS

- For order specification:
- > B•INOX designs
  - > Top or side mounted
  - > For horizontal surfaces and stairs

All B•INOX uprights are supplied with the necessary screws and Rawlplugs for a secure fixing as well as internal expansive tube joints for the handrails connexions.



#### SPECIFIC ELEMENTS

B•inox 100	B•inox 200	B•inox 300	B•inox 400
<p>Section with vertical bars for horizontal surfaces Ref. 100.5</p>	<p>▲ Tube Ø15 Ref. 13</p>	<p>◀ PZ-1 Clamps Ref. 3205</p>	<p>◀ Simple PZ-2 Without stop Ref. 3212</p>
<p>Section with vertical bars for stairs Ref. 100.6</p>	<p>▲ Tube caps Ø15 Ref. 14</p>	<p>▲ Tube Ø15 Ref. 13</p>	<p>With stop Ref. 3213</p>
		<p>▲ Tube caps Ø15 Ref. 14</p>	<p>◀ Double PZ-2 Without stop Ref. 3214</p>
			<p>With stop Ref. 3215</p>



#### COMMON ELEMENTS

<p>▲ Handrails – Tube Ø43 Ref. 10</p>	<p>◀ Tube caps Ø43 Ref. 11</p>
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#### OTHER ACCESSORIES

<p>▲ Base for Embedment Ref. 15 The base for embedment reinforces the anchoring of the uprights and facilitates the installation of the railing system. CBM recommends the use of this solution whenever possible.</p>	<p>▲ Wall Plate for Lateral fixation Ref. 16 This accessory applies to the mounting of the Ø43 handrail to the wall.</p>	<p>▲ Simple Ball Connector Ref. 17 This Ø43 handrail connector applies to changing slopes.</p>	<p>▲ Adaptable Length Connector Ref. 18 This Ø43 handrail connector consists of a simple ball connector + adaptable length connector + 90° angle bend.</p>	<p>▲ 90° Angle Bend Ref. 19 90° angle bend joint for Ø43 handrails.</p>
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