

# Beams

BEAMS



TIMBER

ALUMINIUM

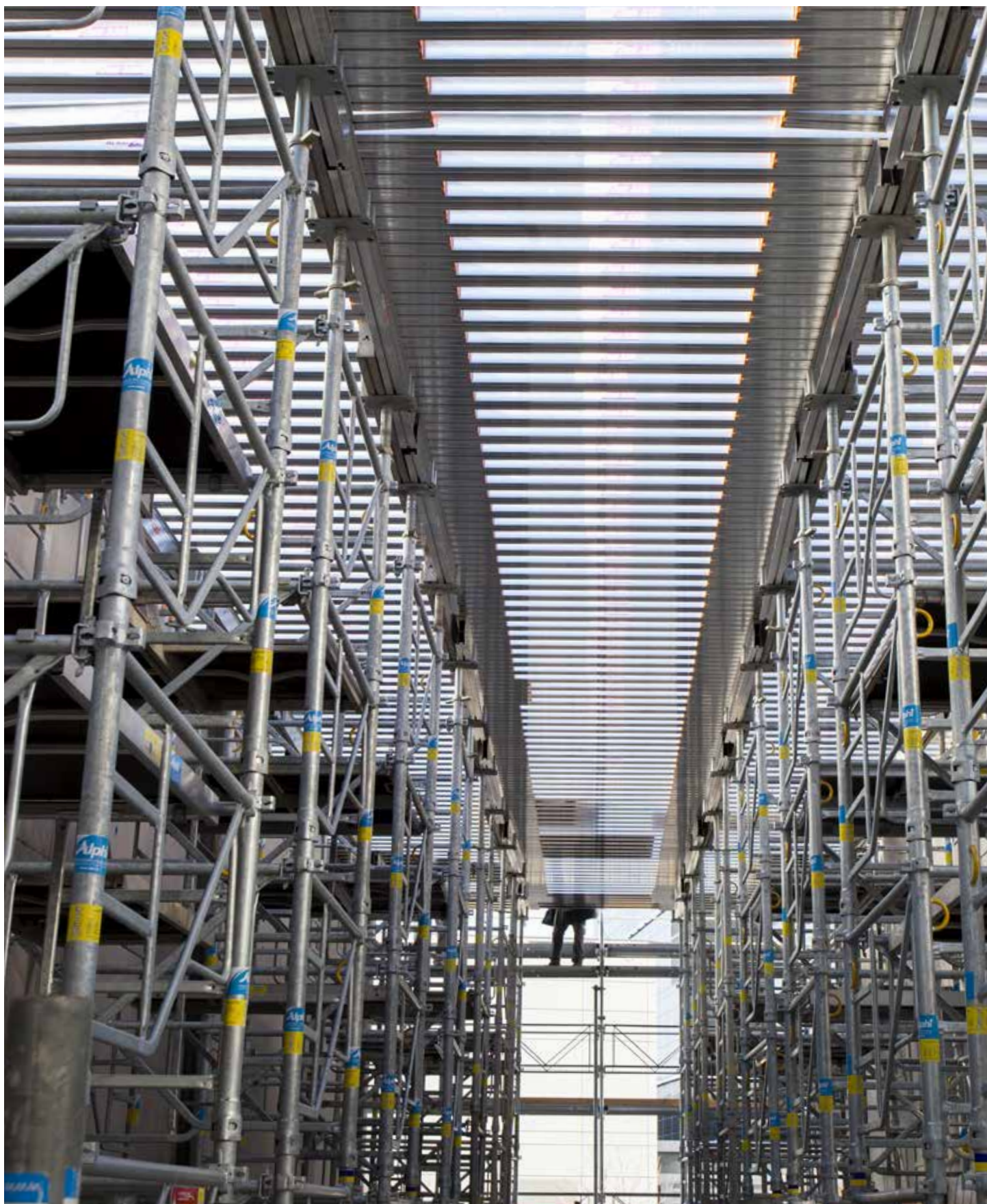
SAFETY

THEFT PROTECTION

TWO RANGES FOR  
ALL PROJECTS

**Alphi**  
Formwork and solutions

## Beams | Two ranges for all projects



# Beams

Alphi offers two ranges of formwork beams to satisfy the needs of different construction site configurations.

- The AL100 and AL200 aluminium beams favour strong load support. Their specific shape allows the fastening of clips or accessories (e.g. straps) and prevents any slipping with a hammer head screw system.
- The H20 timber beams are used for traditional formwork.
- For added safety, the AL100 beams also have an anti-tipping feature.




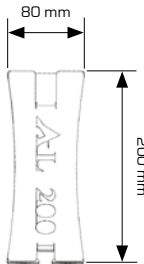

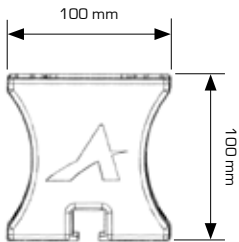
LIKE ALL  
ALPHI  
ALUMINIUM  
PRODUCTS, AL200  
FORMWORK BEAMS  
CAN BE PROTECTED  
AGAINST THEFT.

BY Cert. 6150814


ORIGINE  
**FRANCE**<sup>®</sup>  
GARANTIE

Site in Switzerland  
Client: Induni  
Location: Geneva

## EQUIPMENT

Formwork beams - ALUMINIUM					
AL200 beam	Name	Technical characteristics*	Length (m)	Unit weight (kg)	Description
 	AL200 - 180	Maximum allowable moment: 13.5 kN.m Inertia: 800 cm <sup>4</sup> Allowable shear force: 37.5 kN	1.80	9.70	<ul style="list-style-type: none"> <li>Lightweight, strong aluminium beams</li> <li>Height 20 cm</li> <li>Integrated 30 mm timber insert, suitable for nailing</li> <li>Possible protection from theft and fraudulent recycling of aluminium</li> </ul>
	AL200 - 240		2.40	13.00	
	AL200 - 360		3.60	19.00	
AL100 beam	Name	Technical characteristics*	Length (m)	Unit weight (kg)	Description
 	AL100 - 180	Allowable plastic moment: 4.80 kN.m Inertia: 164 cm <sup>4</sup> Allowable threshold shear force: 13.60 kN	1.80	6.50	<ul style="list-style-type: none"> <li>Lightweight, strong aluminium beams with anti-tipping feature</li> <li>Integrated timber insert, suitable for nailing</li> <li>Protection from theft and fraudulent recycling of aluminium via the inclusion of an insert</li> <li>Clamps onto the primaries via a clip to prevent tipping during use in cantilever configuration</li> </ul>
	AL100 - 220		2.20	8.10	
	AL100 - 360		3.60	12.80	




\* Compliant with NF P 93-322 standard Press test and certification by the independent laboratory Locie of University of Savoie Mont Blanc.


Formwork beams - TIMBER	H20 beam	Length (m)	Weight (kg/m)	Max. allowable bending moment (kN.m) <sup>***</sup>	Max. allowable shear force (kN) <sup>***</sup>	Description
		1.95	4.70	5	11	▪ Can be equipped with a protective end fitting, for longer product life
		2.45				
		2.90				
		3.30**				
		3.60**				
		3.90				
		4.90**				

\*\*For sale only

\*\*\*Compliant with EN 13377 standard

## BEAM ACCESSORIES

Components	Fork	Working height (cm)	Description
		14	<ul style="list-style-type: none"> <li>For use with timber beams and AL200</li> </ul>
	Mounting clip	Weight (kg)	Description
		0.19	<ul style="list-style-type: none"> <li>Suitable for securing beams</li> </ul>
	Clamp	Weight (kg)	
	0.20		

Handling	Rack	Name	Spacing (cm)	Weight (kg)	Quantity	
					AL100	AL200
		MWL 1.5 t	91.5	50.00	80	50
		Painted rack	89.8	25.00	64	40
Galva rack		89.8	28.00	64	40	
	<p>Click <a href="#">here</a> to access documentation on Racks</p>					

## EXAMPLES OF USE

### WITH AL200 BEAMS

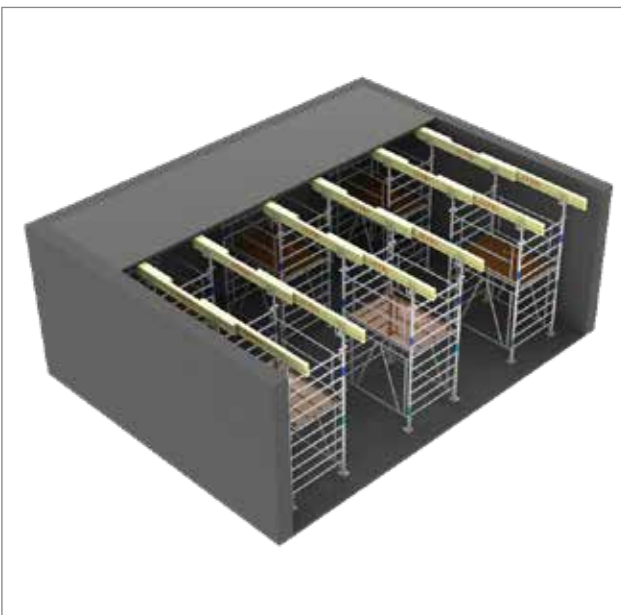


- Hollow pre-slab shoring with AL200 on A120 towers.



- Cast-in-place slab shoring with AL200 on A120 towers.

### WITH H20 BEAMS



- Pre-slab shoring with H20 beams on A120 towers.

ALPHI, THE LEADING FRENCH MANUFACTURER OF SLAB FORMWORK



Both beam ranges, timber and aluminium, satisfy the needs of different construction site configurations. The anti-tipping beams help prevent falls from heights.

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**Alphi**<sup>®</sup>

Formwork and solutions

Designed in France 

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