

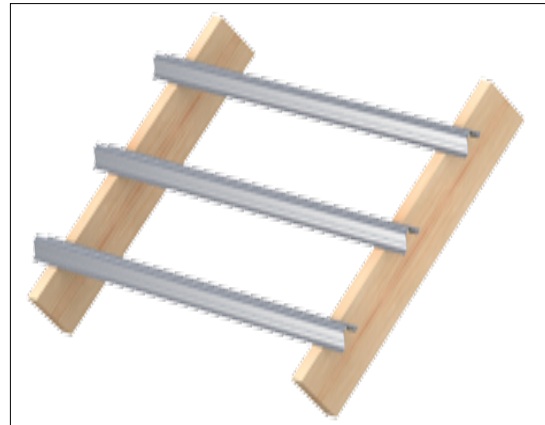
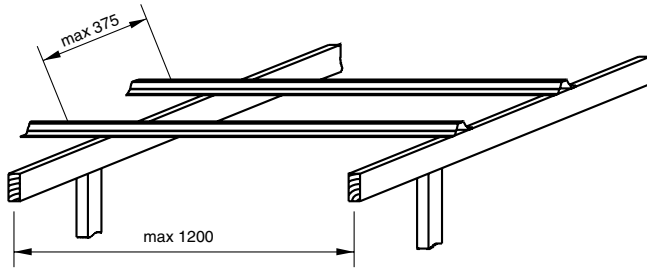


Lindab Construline™

# Lindab Battens Technical information

# Dimensioning

## Structural battens



### Tiling batten directly between roof trusses at 1200 mm centres

Roof material	Snow load or equivalent	Tiling batten	Joining	Substrate
Concrete tiles	Less than 3,0 kN/m <sup>2</sup>	BL	Join over roof trusses, with at least 100 mm overlap.	Board Multi-layer laminate (Rockwool 8441) Plastic film
Un-chamfered roof tiles	Up to 5,0 kN/m <sup>2</sup>	BL7		
Roofing panels	All snow loads	S7 45		

# Technical Facts

## Structural battens

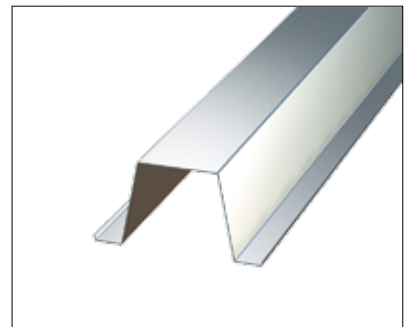
### BL / BL7

Type	Thickness mm	Height mm	Width mm	Mass kg/m	Standardlengths mm
BL	0.6	40	94/23	72	3700
BL7	0.7	40	94/23	84	3700



### S7 45

Type	Thickness mm	Height mm	Width mm	Mass kg/m	Standardlengths mm
S7 45	0.7	45	93/45	92	3800



## Strength

Cross section data and dimensioning values Safety class 1				S7 45
Material thickness	nominal		mm	0,7
	for calculation		mm	0,60
Yield strength $f_{ty}$			N/mm <sup>2</sup>	350
Inner support	Support reaction $R_D$	Support width $\geq 50$ mm	kN	4,15
Wide flange under pressure	Bending moment $M_D$		kNm	0,51
	Second Moment Of Area $I_{def}$		mm <sup>4</sup>	34100
Narrow flange under pressure	Bending moment MD		kNm	0,40
	Second Moment Of Area $I_{def}$		mm <sup>4</sup>	30300

# Dimensioning

## Battens for underlay roof



### Combined counter- and roofing batten

Roof material	Combi-batten	Joining	Substrate	
			Type	Minimum thickness mm
Concrete tiles Un-chamfered clay tiles	KL	End to end, with 100 mm overlap	Wood panel	17
<i>Topline</i> Roofing panels	KLS		Wood panel	17
Concrete tiles Un-chamfered clay tiles	KLH		Wood panel	17

# Technical Facts

## Battens for underlay roof

### KL

Type	Thickness mm	Height mm	Width mm	Mass kg/m	Standardlengths mm
KL	0.5	26	60/16	39	2500, 4000



### KLH

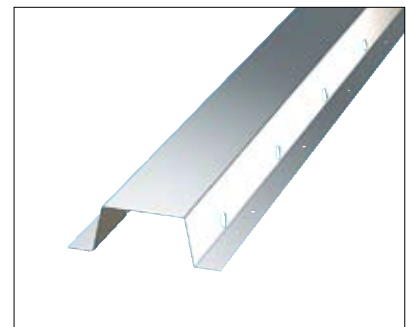
Type	Thickness mm	Height mm	Width mm	Mass kg/m	Standardlengths mm
KLH	0.6	40	94/23	72	2500, 3700

KLH can be used as an eaves board batten together with KL. The eaves board batten is also available painted black.



### KLS

Type	Thickness mm	Height mm	Width mm	Mass kg/m	Standardlengths mm
KLS	0.6	25	83/45	56	3700



# Technical Facts

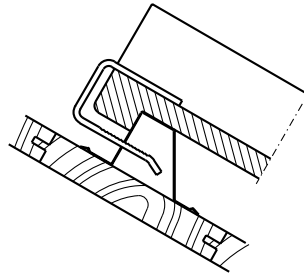
## Accessories

### KK – Clamp for BL, BL7, KL and KLH

Type	Mass kg/1000pcs
KK	7

The roof tiles are clamped to the batten with clamp KK. The tile manufacturers specify the tiles which need to be clamped.

Material: Stainless wire Ø3 mm







Lindab Profile is a business area within the Lindab Group that develops, manufactures, and markets efficient, economical and aesthetic steel and sheet-metal solutions for the building industry.

We offer everything from complete building systems to individual building components for all types of housing, as well as commercial and industrial buildings.

Lindab Profile is represented in over 25 countries throughout Europe. Our head office is in Förslöv, in the south of Sweden.



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