

Spacing of timber battens (Eurocode 5)

Material:		<input type="text"/>
Service class:		<input type="text"/>
Load-duration class:		
Permanent action		<input type="text"/>
Live action		<input type="text"/>
Space of rafters (mm):	L=	<input type="text"/>
Permanent action (kN/m ²):	G=	<input type="text"/>
Live action (snow, wind) (kN/m ²):	Q=	<input type="text"/>
Width of batten (mm):	B=	<input type="text"/>
Height of batten (mm):	H=	<input type="text"/>
Space of batten (mm):	c=	<input type="text"/>

Partial factors:

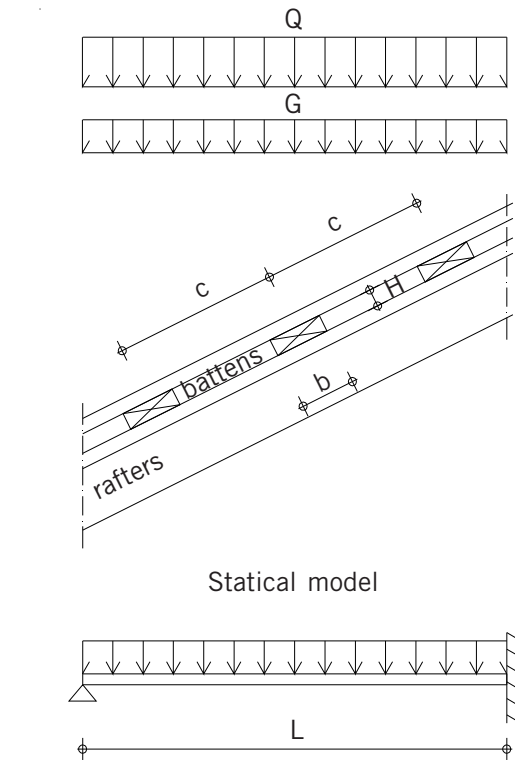
Actions:

Ultimate limit state:

Permanent action	<input type="text"/>
Live action	<input type="text"/>

Serviceability limit state:

Permanent action	<input type="text"/>
Live action	<input type="text"/>



Material:

Timber	<input type="text"/>
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Limits:

Final deflection (all actions) L /	<input type="text"/>
Instantaneous deflection (live only) L /	<input type="text"/>

Calculate

Results:

	Stress	Strenght	Used capacity
Bending	<input type="text"/> N/mm ²	<input type="text"/> N/mm ²	<input type="text"/> %
Bending moment	<input type="text"/> N/mm ²	<input type="text"/> N/mm ²	<input type="text"/> %
Instantaneous deflection	<input type="text"/> mm	<input type="text"/> mm	<input type="text"/> %
Final deflection	<input type="text"/> mm	<input type="text"/> mm	<input type="text"/> %