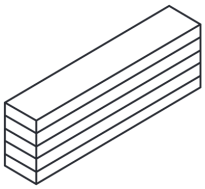
Glulam

Measurements

✓ Standard cross-sections

● Custom order

Height (mm) → Width (mm) ↓	120	140	160	180	200	220	240	260	280	320	360	400	440	etc rise + 40 mm
60	✓	•	✓	•	✓	•	✓	•	✓	✓				
80	✓	•	✓	•	✓	•	✓	•	✓	✓	✓	✓	✓	
100	✓	•	✓	•	✓	•	✓	•	✓	✓	✓	✓	✓	
120	✓	•	✓	•	✓	•	✓	•	✓	✓	✓	✓	✓	
140		•	✓	•	✓	•	✓	•	✓	✓	✓	✓	✓	
160			✓	•	✓	•	✓	•	✓	✓	✓	✓	✓	
180				•	✓	•	✓	•	✓	✓	✓	✓	✓	
200					✓	•	✓	•	✓	✓	✓	✓	✓	
220						•	✓	•	✓	✓	✓	✓	✓	
240							✓	•	✓	✓	✓	✓	✓	



Length: up to 36.0 m
Maximum height 2.3 m

Strength classes and standard values for strength, stiffness and density for homogenous glued laminated timbers, EVS-EN 14080:2013

Strength class		GL24h	GL28h	GL32h
Strength properties N/mm²				
Bending strength	fm,g,k	24	28	32
Tensile strength	ft,0,g,k	19.2	22.3	25.6
	ft,90,g,k	0.5	0.5	0.5
Compressive strength	fc,0,g,k	24	28	32
	fc,90,g,k	2.5	2.5	2.5
Shear strength	ft,0,g,k	3.5	3.5	3.5
Stiffness properties N/mm²				
Modulus of elasticity	E0,g,mean	11500	12600	14200
	E0,g,05	9600	10500	11800
	E90,g,mean	300	300	300
Shear modulus	Gg,mean	650	650	650
Density kg/m³	rg,k	420	460	490

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