

H20 standard



Product

- Solid wooden formwork beam

Lengths
1,95 / 2,45 / 2,65 / 2,90 / 3,30 / 3,60 / 3,90 / 4,50 / 4,90 / 5,90

Dimensions ¹⁾	H20 standard	Tolerances
Beam height (mm)	200	+ / - 2mm
Chord height (mm)	40	+ / - 0,6mm
Chord width (mm)	80	+ 0,8 / - 1,2mm
Web thickness (mm)	29	+ / - 0,8mm

Technical specifications	H20 standard
Permissible modulus M (kNm)	5,0
Permissible shearing force Q (kN)	11,0
Section modulus ¹⁾ W _x (cm ³)	461
Geometrical moment of inertia ¹⁾ J _x (cm ⁴)	4.618
Modulus of elasticity E (N/mm ²)	10.000

¹⁾ The values of the section modulus and the geometrical moment of inertia apply to new or used concrete formwork beams.
An analogously increased factor of safety needs to be added for severely worn beams.

Description of product

- Chords: made of carefully selected class S10 spruce wood according to DIN4074 planed and chamfered with approx. 4mm
- Webs: 3-ply solid wood panel, laminated, with mainly vertical growth rings
- Wood types: spruce / fir, permitted mixture of wood species
- Glueing: 3-ply solid wood panel BFU 100 (AW 100) according to standard Ö-Norm B 3023 finger-joints between chords and webs
- Wood moisture: approx. 12%
- Weight: 4,7 kg / linear meter
- Surface protection: waterproofed colour impregnation

Quality-standard

- Certification according to EN 13377 from CEN, European Committee for Standardization
- Certification according to DIN EN 13377:2002-11

Auditing agency

- HFB ENGINEERING GMBH, Reg.-Nr. 31100 1855/1/10, Leipzig

Packaging

- Standard-package: 50 pieces
- Container-package: 100 pieces
- The packages are delivered suitable for the construction site and protected by integrated supporting timber

Advantages

- Selected slow grown timber, perfect finger-joints between chords and webs assure a long durability

