

MAXIMUM INDIVIDUAL PART DIMENSIONS / GENERAL CONDITIONS

MINIMUM BENDING RADIUS: = 12.0 m (with 41 mm lamellae)
Max. 20° roof pitch with double tapered beams (restricted by transport height)
The dimensions apply to individual parts. Support structures can be produced with steel connections and assembled on site.

INDIVIDUAL LENGTHS: Up to 50.0 m

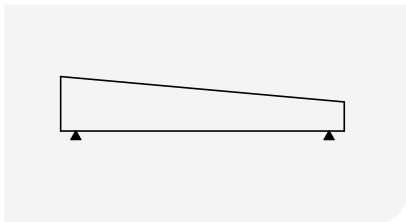
INDIVIDUAL WIDTHS: From 80 to 260 mm

BLOCK GLUING: From 280 mm

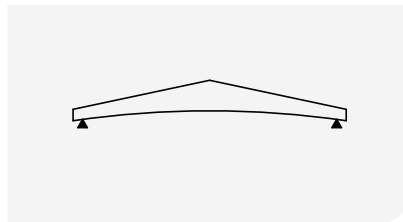
MAXIMUM HEIGHT: Up to 5.0 m

STRUCTURAL CAMBER OF COMPONENTS: On principle, all beam shapes can be structurally cambered. In the installed and loaded state, this yields a defined girder lower edge, in spite of natural deflection. The necessary camber depends on the component shape and the structural requirements.

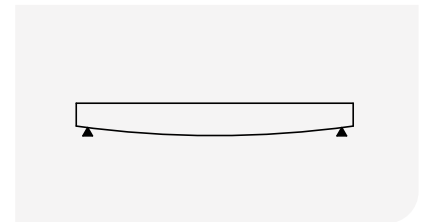
Gluing in the press bed is required for this purpose G at least two beams with the same profile.



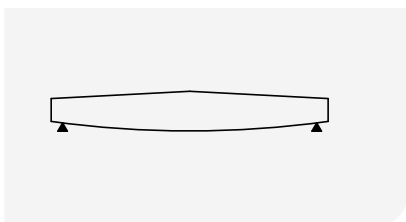
PARALLEL BEAMS / SINGLE-PITCHED



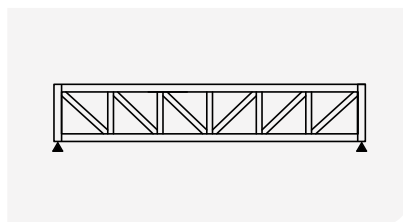
DOUBLE TAPERED BEAMS WITH STRAIGHT OR BENT LOWER BOOM



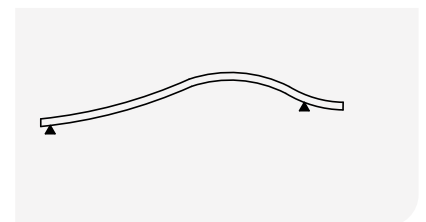
FISH-BELLIED GIRDERS



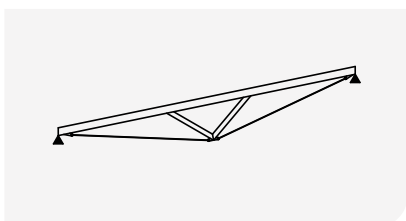
DOUBLE-TAPERED FISH-BELLIED



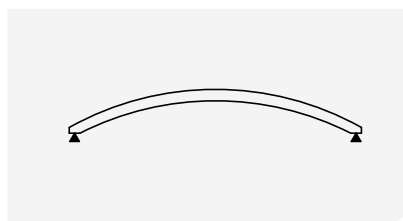
TRUSSES



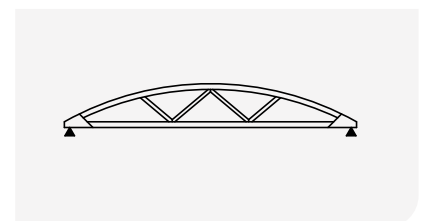
FREE-FORM GIRDERS



TRUSSED SUPPORT STRUCTURES



ARCHED BEAMS / ARCHED RAFTERS



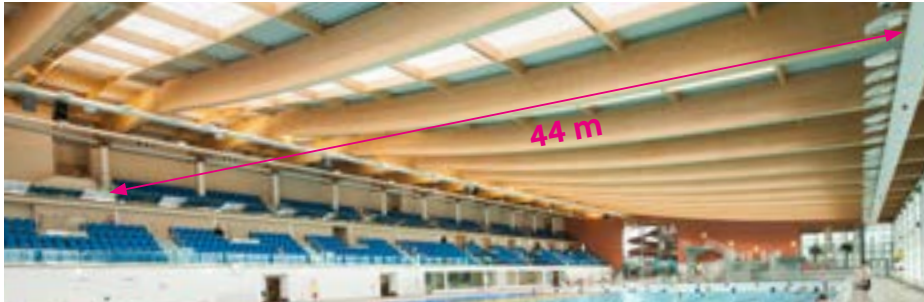
FREESPAN BEAMS

BANGOR-LEISURE-CENTER

ROOF SUPPORT STRUCTURE WITH BLOCK-BONDED FREE-FORM GIRDERS: 420 x 1500 mm

FREE SPAN: 44,0 m

TOTAL BEAM LENGTH: 69,5 m



Exterior view of Bangor Leisure Centre



Installation of the truss by tandem lift

LOGISTICS HALL FREISTÄDTER BEER

MAIN HALL ROOF SUPPORT STRUCTURE: DOUBLE-TAPERED FISH-BELLIED GIRDERS: 40.0 – 44.0 m (beam height up to 3.2 m)

GLT – TIMBER FRAMEWORK DELIVERED BY HGV 60.0 m long and 6.5 m high

BLOCK-BONDED UPPER BOOM: 400 x 660 mm

BLOCK-BONDED LOWER BOOM: 480 x 660 mm

ROOF COVERING WITH WIEHAG ROOF PANELS

