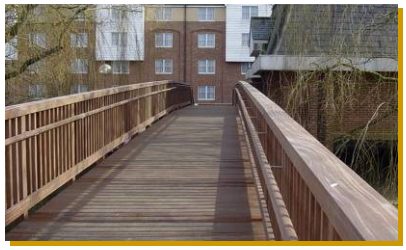
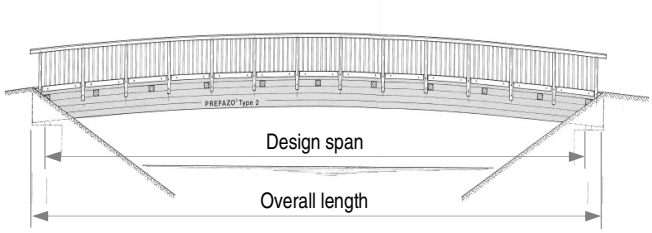
Type 2A Bridge

LAMINATED HARDWOOD MAIN BEAMS

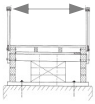
BRIDGES ◆ BOARDWALKS ◆ JETTIES



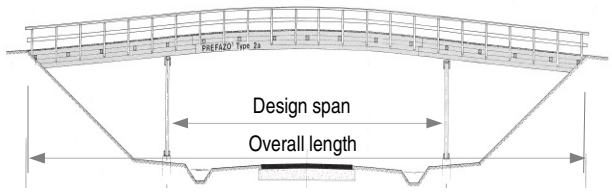
Total support from concept to installation
Designs and options to blend in with the environment
Constructed with natural hardwood



Width between handrails



Type 2 Single span bridge
Design span 25.00m max
Overall length 26.00m max



Type 2a Multi span bridge
Overall length is dependant on the number of spans

TYPE 2A MULTI-SPAN BRIDGE WITH LAMINATED HARDWOOD MAIN BEAMS

Developed for spans up to 25 metres
Design to accommodate pedestrian, equestrian and vehicle loadings
Mechanically laminated beams are more durable than glue laminated beams
Can be produced with a pronounced arch
Depth of construction can be reduced with 'through deck' design

OPTIONS INCLUDE

Choice of parapets
Decking in a plain finish or with a machine grooved surface to provide slip resistance
Decking Anti-Slip resin bonded aggregate GL Inserts or GL Coating to enhance slip resistance
A curve machined into the main beams to give a shallow bow effect

THE BENEFITS OF HARDWOOD

No preservative treatment required
Minimal maintenance
Excellent vandal resistance & fire retardant characteristics

Sarum Hardwood Structures Ltd ◆ Unit 1 b, Chilbolton Down Farm, Stockbridge, Hampshire. SO20 6BU
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Parapets & Decking

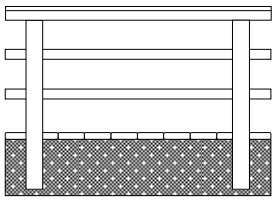
BRIDGES ◆ BOARDWALKS ◆ JETTIES

Parapets

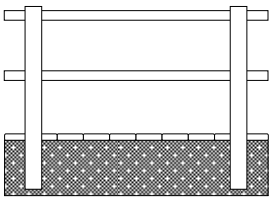
STYLES & OPTIONS

The parapet plays an important part in the aesthetic value of the bridge. Depending on the situation and purpose, a choice is made for either horizontal or vertical parapets. SHS offers a range of standard hardwood parapets and also welcomes the opportunity to quote for the design and supply of bespoke parapets in both hardwood and metal.

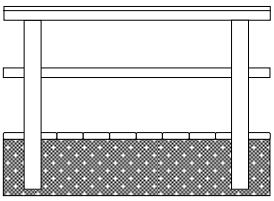
SHS STANDARD HARDWOOD PARAPETS



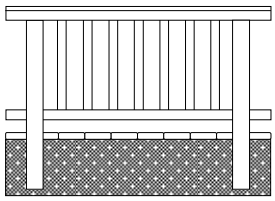
Type A parapet
Handrail + 2 intermediate rails



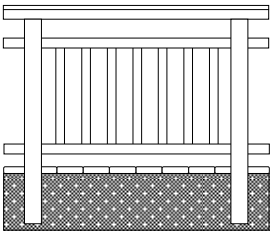
Type B parapet
2 x intermediate rails



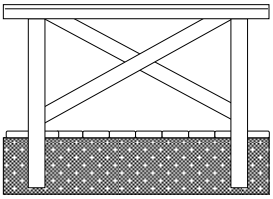
Type C parapet
Handrail + 1 intermediate rail



Type E parapet
Handrail + vertical infill rails



Type EE parapet
Elevated handrail + vertical infill rails



Type G parapet
Handrail + cross rails

TYPICAL HARDWOOD SECTION SIZES

Posts	95 x 95 mm
Hand rail	95 x 145 mm
Intermediate rails	40 x 115 mm
Vertical infill rails	40 x 40 mm

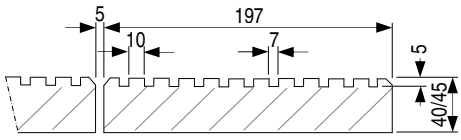
TYPICAL PARAPET HEIGHTS

Pedestrian	1.15 m
Cycleway	1.40 m
Equestrian	1.80 m

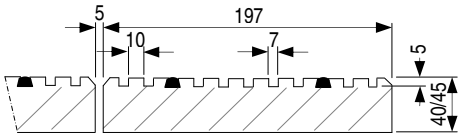
Anti-slip decking

ANTI-SLIP OPTIONS

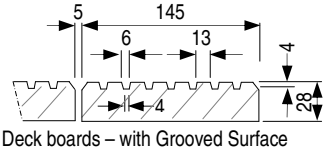
Walking surfaces are usually formed from timber decking, which has a grooved slip resistant finish. This resistance can be enhanced by introducing either our factory fitted anti-slip GL Insert or our factory applied anti-slip GL Coating, to the deck surface.
Anti-slip GL options are constructed from particles of aggregates embedded within a modified resin compound. When the compound is cured the resultant finish is a very hard wearing surface with high slip resistant characteristics, suitable for timber decks used in a multitude of locations.
Whichever option you choose, be it the GL Inserts or the GL Coating the resultant finish is an effective, hard wearing surface that compliments the aesthetic appearance of the timber and is the ideal solution for anti-slip safety on an SHS bridge, boardwalk or jetty.



Deck boards with Grooved Surface



Deck boards – with Anti-Slip GL Inserts



Deck boards – with Grooved Surface

TYPICAL DECK FIXING

40 mm thick decking

- 8 mm Ø x 90 mm long screws
- 8 mm Ø x 90 mm long dowels

28 mm thick decking

- 5 mm Ø x 60 mm long screws

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