

PEDESTRIAN BRIDGE



Modular galvanised steel bridge system for public rights of way, parks, and open spaces.
Designed & manufactured in the UK · 120-year structural design life

120 yr

STRUCTURAL
DESIGN LIFE

16 m

MAX CLEAR
SPAN

5.0 kN/m²

LIVE LOAD
TESTED

20 yr

PRODUCT
WARRANTY

OVERVIEW

A BRIDGE BUILT TO LAST GENERATIONS.

The Bison Pedestrian Bridge is a modular, hot-dip galvanised steel bridge system designed for pedestrian and disabled user access. It is engineered to Eurocode and DMRB standards, supplied in kit form (or pre-assembled) for straightforward installation, and available with five deck board options to suit any environment - from sensitive nature reserves to high-footfall urban parks.

Unlike timber beamed bridges, the galvanised steel structure requires little maintenance over its 120-year design life, eliminating costly closures and repeated replacement.

TECHNICAL SPECIFICATION

CLEAR SPAN	Up to 16.0 m (unsupported) Spliced kit available for spans >6 m
BRIDGE WIDTH	800mm up to 2400mm Wider widths available on request
PARAPET HEIGHT	1,150 mm (pedestrian) or 1,400 mm(cycle)
BOARD SIZE	150 mm wide × 38 - 48 mm thick
PRIMARY STRUCTURE	Hot-dip galvanised steel universal beams
SUBFRAME	Galvanised steel universal beams
STRUCTURAL FASTENERS	Galvanised steel bolts
DECK FASTENERS	Stainless steel fixings
FOUNDATIONS	Concrete or groundscrews
GUARDING OPTIONS	Horizontal rail, spindle infill, or hybrid
DESIGN LOADING	5.0 kN/m² live load (Eurocode ×1.5 factor)
SLIP RESISTANCE	See deck options
DECK SURFACE	See deck options
DECK COLOURS	See deck options

TYPICAL APPLICATIONS

- Public Rights of Way
- Coastal & riverside paths
- SSSI & sensitive habitats
- National & country parks
- Housing developments
- Golf courses & estates

DESIGN STANDARDS & CLASSIFICATION

BS EN 1090 EXC3
Certified Manufacturing

DMRB CD 353
Design Criteria for
Footbridges

BS EN 1991-2:2003
Eurocode 1 - Traffic Loads

BS EN 1990:2002
Eurocode - Structural
Design

Uniclass
Ss_20_10_30_30
Footbridge Systems

CAWS Q55/130
Footbridge

BIM Available
NBS BIM Object Standard · Revit & IFC

FIVE FINISHES TO SUIT EVERY ROUTE

RE-LIFE40

Recycled Plastic



- 100% recycled plastic - zero maintenance
- Won't warp, rot, splinter or attract insects
- UV tested · fire retardant (Class B2)
- 100% recyclable + take-back scheme
- Best for: trail centres & remote routes

SERVICE LIFE 60 yr**SUREGRIP-DUO**

European Redwood



- UC4 pressure-treated softwood
- Double bauxite resin anti-slip strips
- Traditional timber aesthetic
- Slip tested to BS 7976
- Best for: greenways & leisure routes

WET PTV 71 DRY PTV 82**SERVICE LIFE 15 yr****SUREGRIP-DUO**

Ekki Hardwood



- Premium tropical hardwood
- Natural oils resist rot & insects
- Double bauxite resin anti-slip strips
- Maximum durability - no treatment needed
- Best for: high-use & exposed locations

WET PTV 71 DRY PTV 82**SERVICE LIFE 50 yr****PERFORATED STEEL**

Galvanised Steel



- Maximum vandal resistance
- 5 mm Ø holes - dog claw-safe
- Excellent anti-slip performance
- 100% recyclable; take-back scheme
- Best for: urban & commuter routes

WET PTV 79 DRY PTV 96**RE-LIFE GRIPMAXX™**

Premium Anti-Slip Recycled Plastic



- Aggregate anti-slip surface - highest industry tested standard
- 100% recycled plastic; zero maintenance
- Tested to BS EN 16165 pendulum method
- HSE 'Low Slip Potential' - 1 in 1,000,000+ slip probability
- Best for: algae-prone, wet & high-footfall cycle routes

WET PTV 94 DRY PTV 112**SERVICE LIFE 25-30 yr****1****CHOOSE YOUR DECK & PARAPET**

Select your deck board and parapet style - standard or played - to suit your route character and environment.

2**DOWNLOAD OR SPECIFY VIA NBS**

Add to your NBS Source specification, or download Revit / IFC BIM objects.
Uniclass: Ss_20_10_30_30.

3**CONTACT US FOR SURVEY**

Our team can provide a site-specific quotation, survey support, and full installation guidance.