

Bridge Systems

**Modular
Foot
Bridge**

MAMBA





MAMBA • Modular Foot Bridge

The MAMBA is a modular lightweight foot bridge for infantry, airborne and special operation forces. The bridge modules are made of high-tensile aluminium extrusions. One complete bridge set is qualified to produce a clear span bridge up to 30 m. With the adaption of floats also wet gaps of various lengths can be crossed.



MAMBA Unique Performance

- Construction of a 30 m bridge in approximately 6 minutes
- Easy handling and operation due to robust and simple design
- Transport of complete bridge set by light truck; single modules can be hand carried
- Air-transportable by helicopter or fixed wing aircraft

MAMBA Bridge Set

Considered as one transport unit a MAMBA bridge set consists of the following components:

- 7 bridge modules and 1 float
- 1 assembly / disassembly support roller
- 1 transport & protection pallet
- 2 stretcher adapters
- 1 bridge assembly and anchoring kit

MAMBA Operations

MAMBA Bridge Set in Assembly Area



Transport of MAMBA Modules



Launching Preparations



Launching the First Modules



Water Crossing with Attached Float



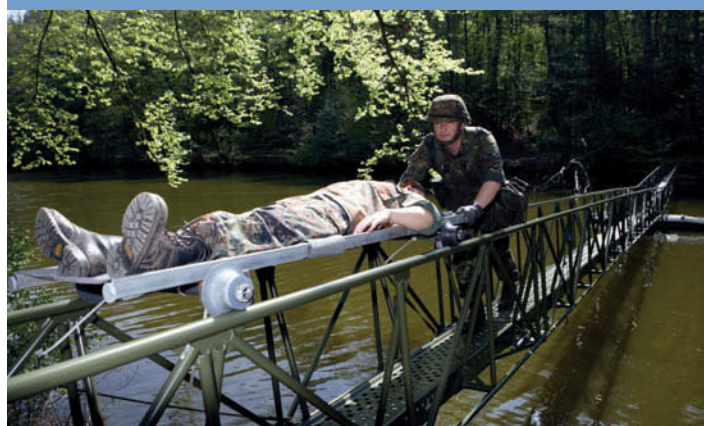
Pushing to the Far Bank



Bridge Extension with Float Support



Use of Stretcher Adapter





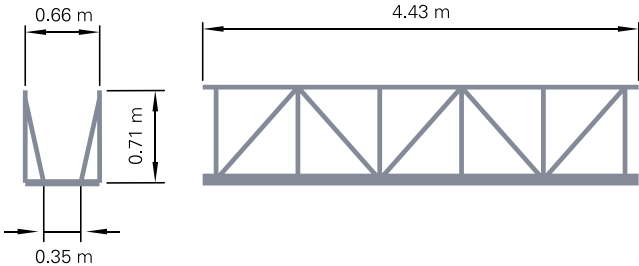
MAMBA Technical Data

Bridge		
Free span up to	30.00 m	98 ft 5"
Maximum length (depending on the water-location)	Length not limited	
Module length	4.43 m	14 ft 6"
Module weight	55.50 kg	122 lbs
Bridge set (30 m) weight (incl. float and anchor devices)	460.00 kg	1,014 lbs

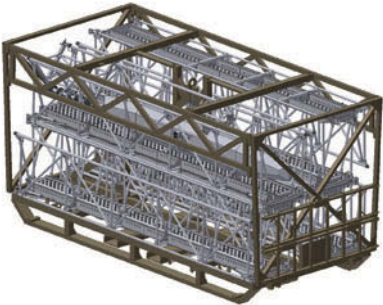
Transport & Protection Pallet		
Total weight (without bridge set)	480.00 kg	1,058 lbs
Total weight (incl. 30 m bridge set)	940.00 kg	2,072 lbs

Performance		
Construction of a 30 m bridge	~ 6 min.	
Crossing rate of marching (30 m bridge)	~ 8 men / min.	
Weight per soldier (incl. all equipment) up to	171.00 kg	377 lbs

Bridge Module



MAMBA Bridge Set (30 m) on Transport & Protection Pallet

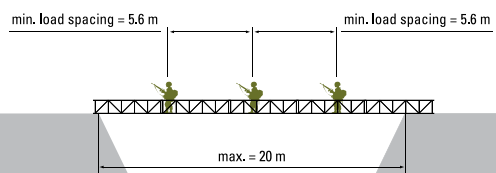


Subject to technical alterations. Specific requests by the customer will be implemented if possible!

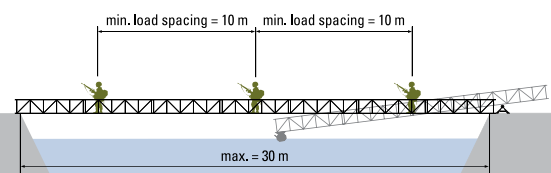


MAMBA Configurations

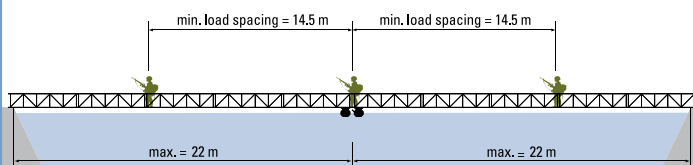
Dry Gap Crossing



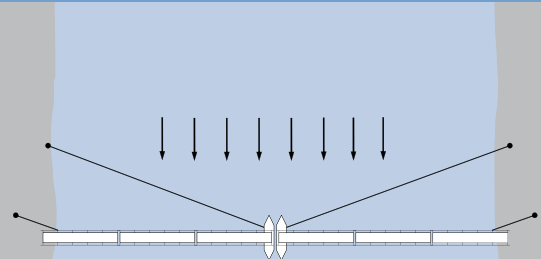
Wet Gap Crossing – Without Float Support



Wet Gap Crossing – With Float Support

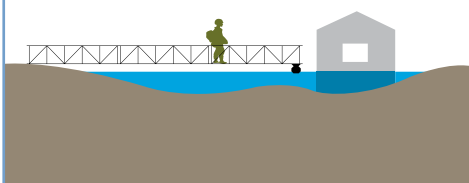


Anchoring System for Wet Gap Crossing

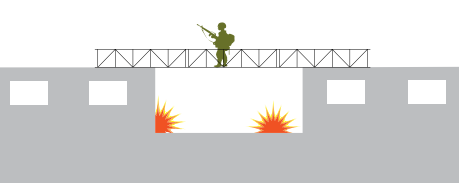


Additional Operational Configurations

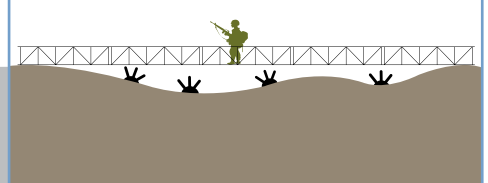
Natural Disaster



Urban Warfare



Minefield



The Transatlantic Partner for Land Defense in Europe

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