

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



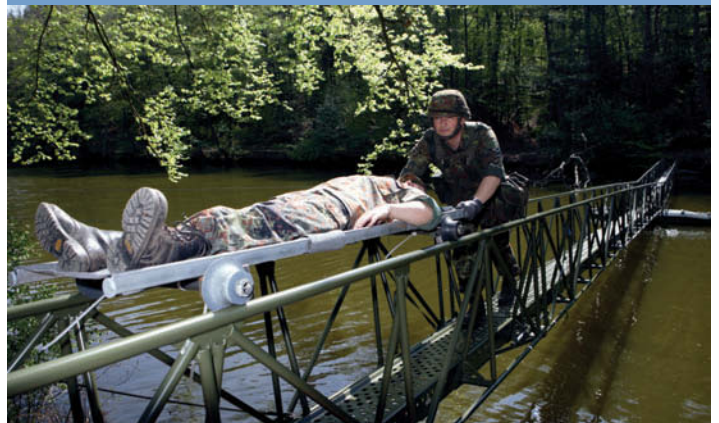
Pushing to the Far Bank



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

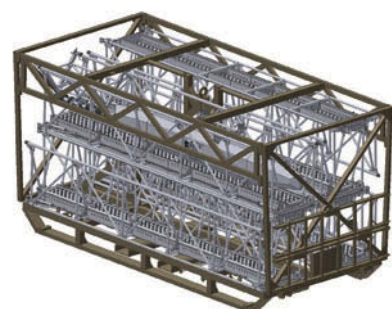
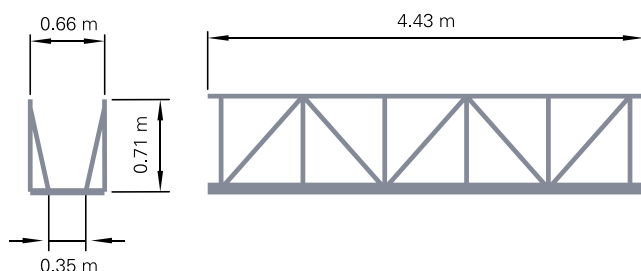
Total weight (without bridge set)	480.00 kg	1,058 lbs
Total weight (incl. 30 m bridge set)	940.00 kg	2,072 lbs

### 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

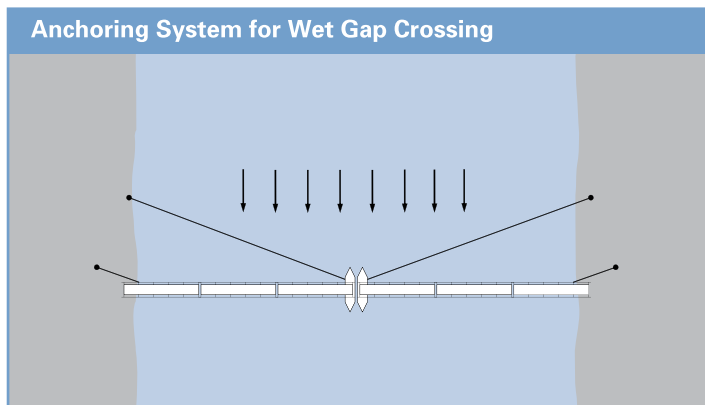
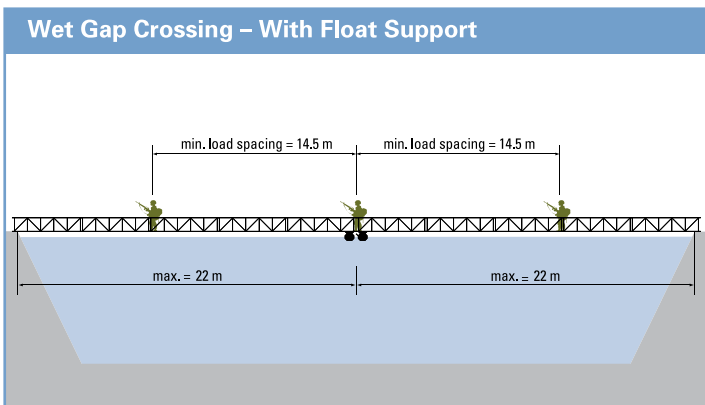
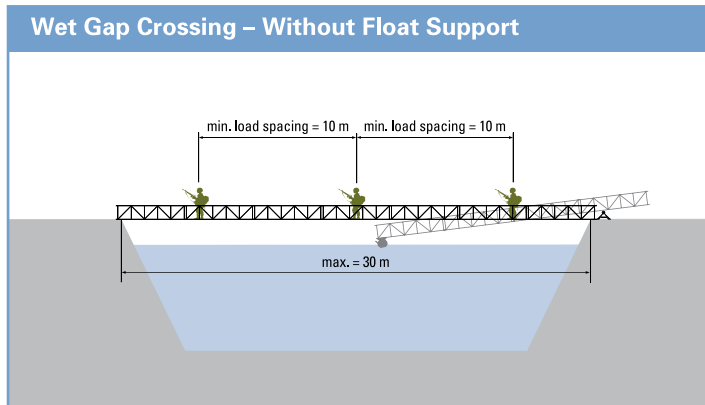
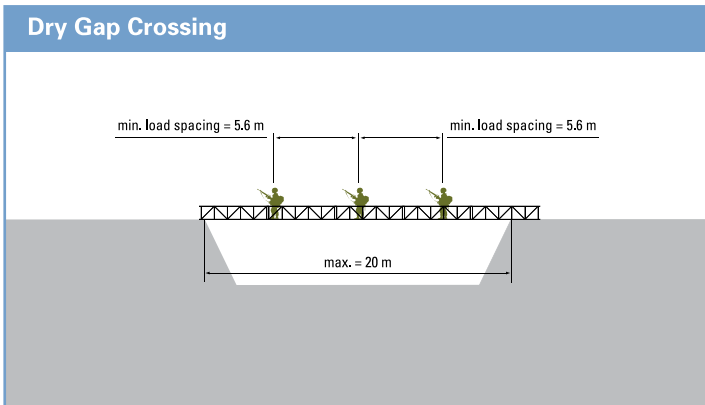
### MAMBA Bridge Set (30 m) on Transport & Protection Pallet



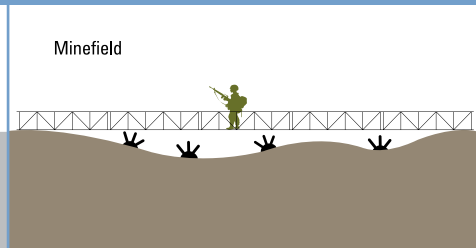
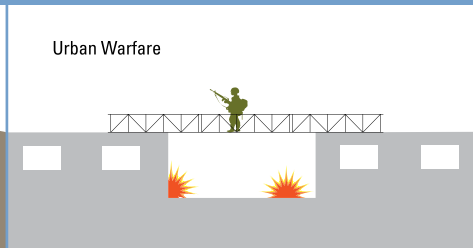
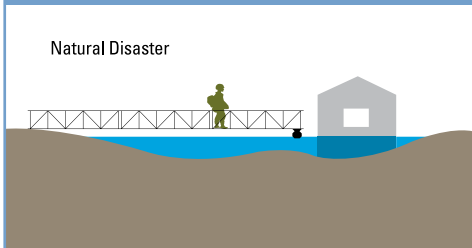
Subject to technical alterations. Specific requests by the customer will be implemented if possible!



# MAMBA Configurations



## Additional Operational Configurations



The Transatlantic Partner for Land Defense in Europe

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