

**IAB**

# Infantry Assault Bridge



**GENERAL DYNAMICS**  
European Land Systems

**GENERAL DYNAMICS**  
European Land Systems–Germany





## IAB Infantry Assault Bridge

The Infantry Assault Bridge IAB is a lightweight foot bridge for infantry, airborne and special operation forces. Its main supporting elements are made of high-tensile aluminum extrusions. One complete bridge set is qualified to produce a clear span bridge up to 30 m. With the adaptation of floats also wet gaps of various lengths can be crossed.

### IAB Unique Performance

- Construction time for a 30 m bridge in approximately 6 minutes
- Easy handling and operation due to robust and simple design
- Land transport of complete bridge set by light trucks or of single modules by hand
- Air-transportable by helicopter or fixed wing aircraft

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





# Battle Proven Bridge Equipment



## IAB Bridge Set

Considered as one transport unit an IAB bridge set consists of the following components:

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





# IAB Operations

**Transport of IAB Modules by Hand**



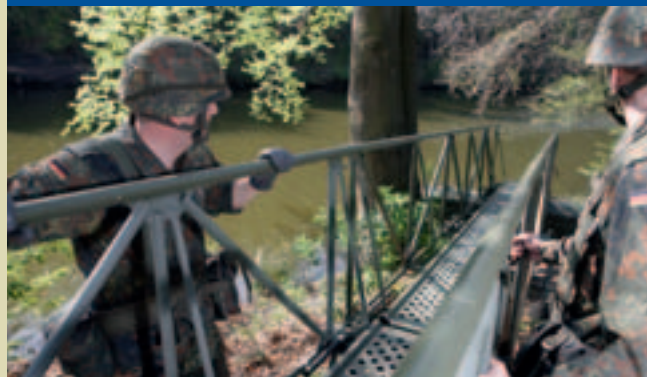
**IAB Bridge Set in Assembly Area**



**Launching Preparations**



**Launching the First Modules**



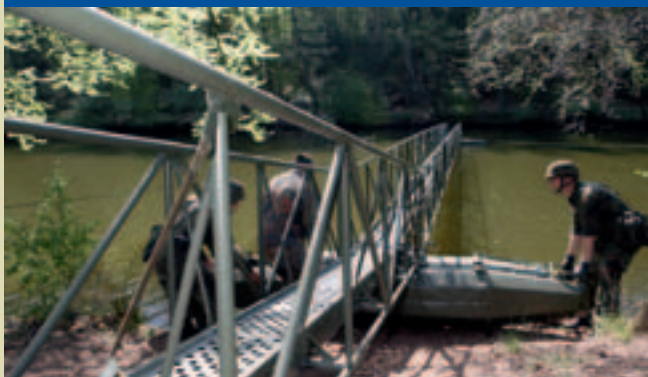
**Water Crossing with Attached Float**



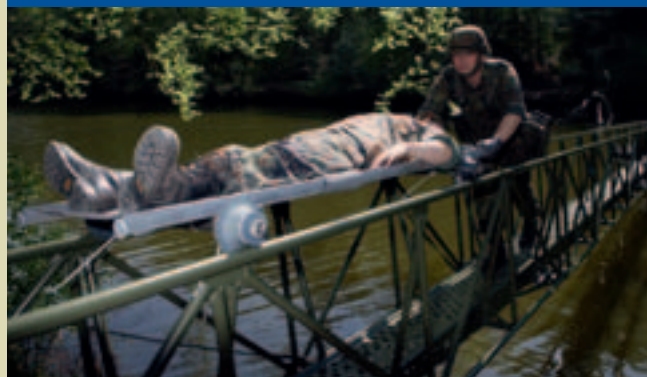
**Pushing to the Far Bank**



**Bridge Extension with Float Support**

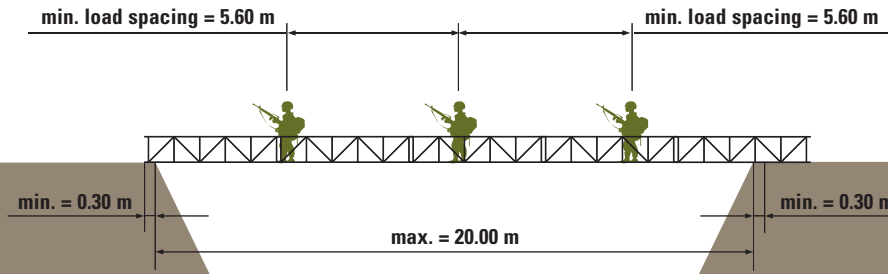


**Use of Stretcher Adaptor**

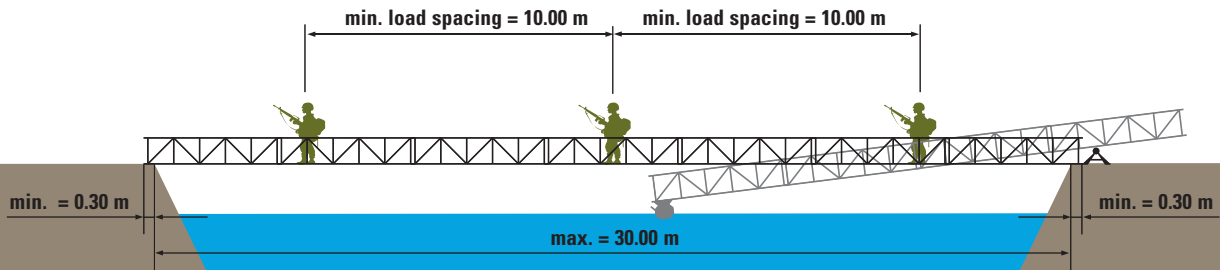


# IAB Configurations

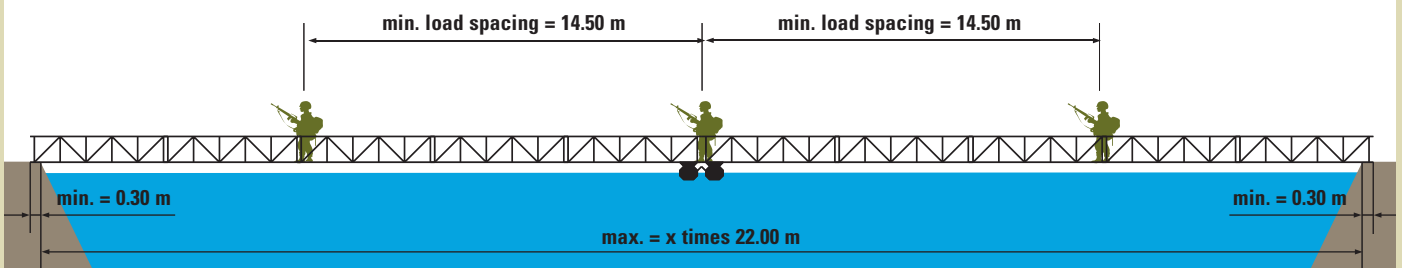
## Dry Gap Crossing



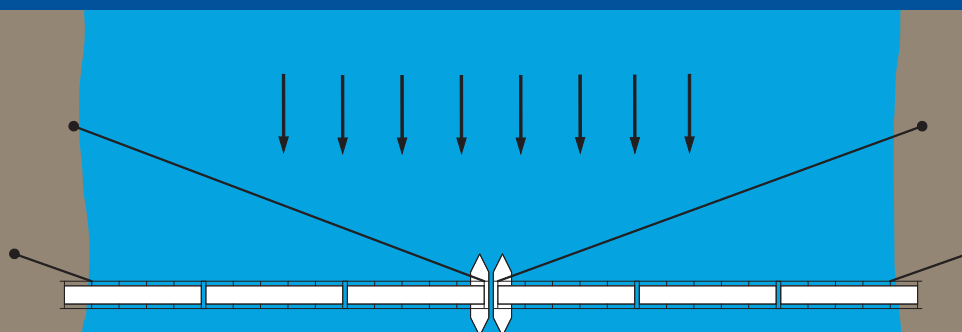
## Wet Gap Crossing – Without Float Support



## Wet Gap Crossing – With Float Support



## Anchoring System for Wet Gap Crossing



# IAB Technical Data

## Bridge

Free span (maximum)	30.00 m	98 ft 5"
Maximum length (depending on the water-location)		x times 22 m
Module length	4.43 m	14 ft 6"
Width of foot bridge	0.35 m	1 ft 2"
Height of railing	0.71 m	2 ft 4"
Clear railing width	0.66 m	2 ft 2"
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

Length	4.78 m	15 ft 8"
Width	2.22 m	7 ft 3"
Height	2.37 m	7 ft 9"
Total weight (without bridge set)	480.00 kg	1,058 lbs
Total weight (with 30 m bridge set – incl. all devices)	940.00 kg	2,072 lbs

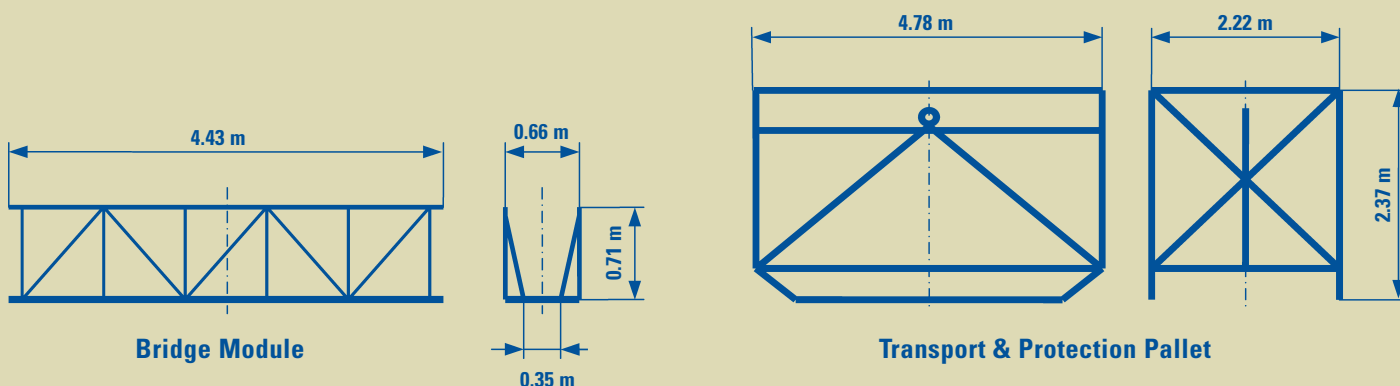
## Performance

Construction time for a 30 m bridge		approx. 6 minutes
Crossing rate of marching (30 m bridge)		approx. 8 men / min
Maximum weight per soldier (incl. all equipment)	135.00 kg	298 lbs

## Transport

Land	any light or medium truck (transportable with or without transport & protection pallet)	
Air	- on transport & protection pallet	C-130, C-160, C-17, C-5, C-141, A 400M
	- without transport & protection pallet	any transport plane and helicopter (payload > 500 kg)
	- deployed as underslung load	any helicopter (payload > 500 kg)

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



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