

Bridge Systems

**Medium  
Rapidly Emplaced  
Bridge System**

**PYTHON**





## PYTHON • Medium Rapidly Emplaced Bridge System

The PYTHON is an aluminum-made light dry-gap bridge system which has been designed to meet the operational requirements for an air-transportable rapidly deployable bridge system in support of mechanized combat units with wheeled and tracked vehicles up to MLC 50. Due to its design PYTHON offers a wide variety of possibilities in terms of crossing capacity, size, weight and transportability. PYTHON has already proven its superior performance and reliability in various climate conditions, exercises and combat operations.



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### PYTHON Main Components

- Transport and launching pallet
- Launcher (integrated in the pallet)
- Launch boom (integrated in the pallet)
- Two bridge halves
- Hydraulic system (integrated in the pallet)
- Electrical control system
- Diesel-hydraulic power source

### PYTHON Performance

- Payload up to MLC 50
- Crossing capability up to 13 m (42 ft 8")
- Remote-controlled hydraulic launching and retrieving in less than 5 minutes
- Crew: 2
- Truck-independent diesel-driven power source
- Horizontal free-launch to reduce silhouette
- Transport on and launch from every standard 10-15 tons PLS-Truck
- Bridge manufactured from high-tensile aluminum
- Design based on the proven AVLB BEAVER
- Air transport of complete bridge system in C-130, C-141, C-160, C-17, C-5 and A 400M or expanded bridge as helicopter underslung load
- Adaptable on various armored fighting vehicles with the Adaptable Bridge Launching Kit (ABLK); launching and retrieving in less than 2 minutes

# PYTHON

PYTHON Mounted on PLS-Truck



PYTHON Mounted on Armored Fighting Vehicle (e.g. PIRANHA III)



Virtual Reality (VR) Trainer



Computer-Based Training





## PYTHON Technical Data

### PYTHON-Bridge (expanded)

Payload up to		MLC 50
Total length	13.80 m	45 ft 3"
Effective length	13.00 m	42 ft 8"
Width (operation mode)	3.35 m	11 ft 0"
Width of track	1.20 m	3 ft 11"
Total weight	4,800 kg	10,582 lbs

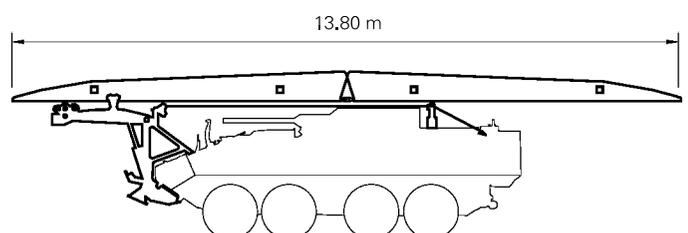
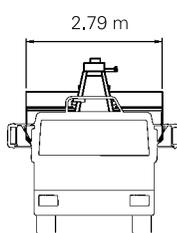
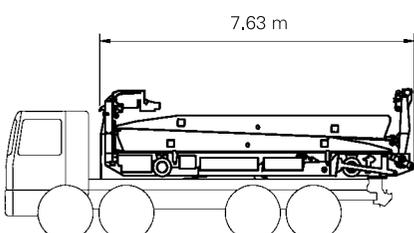
### PYTHON Mounted on PLS-Truck (Standard Configuration)

#### Bridge on transport pallet

Overall length	7.63 m	25 ft 0"
Width (transport mode)	2.79 m	9 ft 2"
Total weight	9,450 kg	20,833 lbs
Launching time (bridge on PLS-Truck)		~ 5 min.

### PYTHON Mounted on Armored Fighting Vehicle

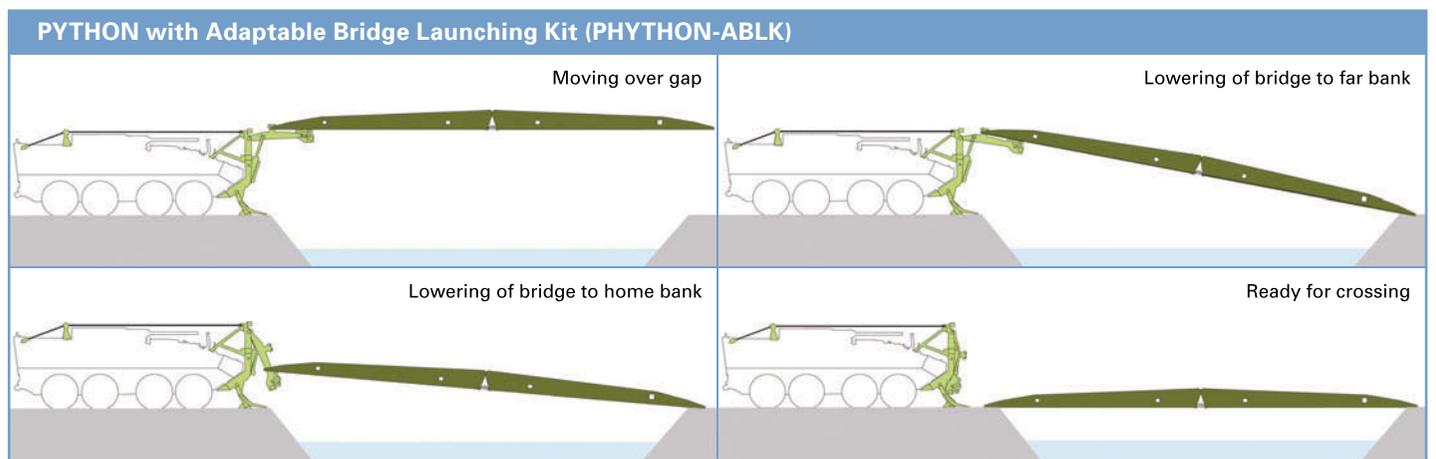
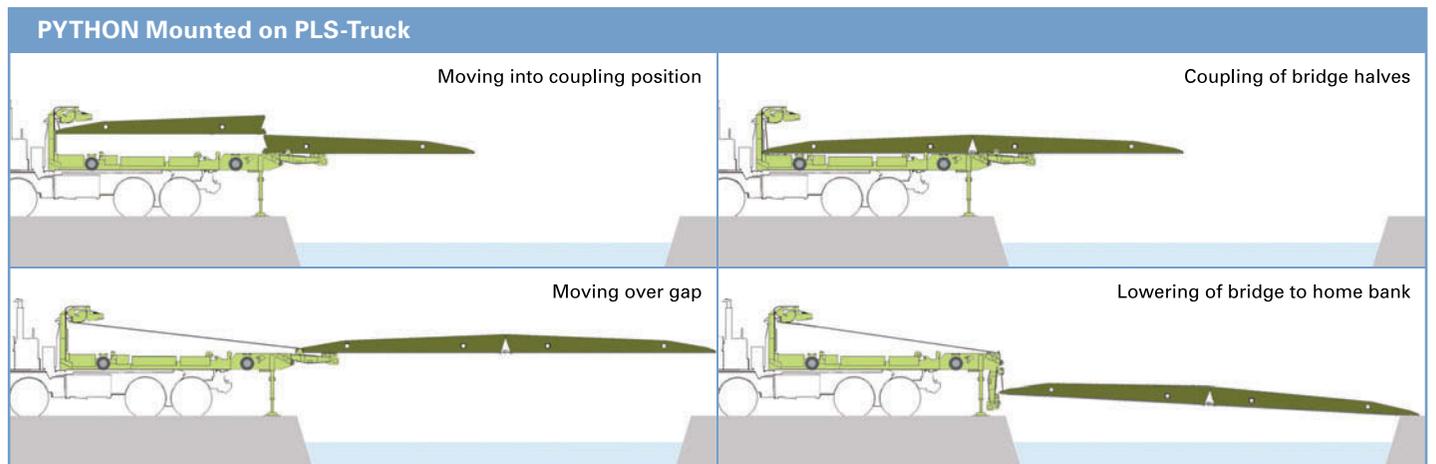
Weight (ABLK)	1,800 kg	3,968 lbs
Launching time (bridge on Armored Fighting Vehicle)		~ 2 min.



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



## PYTHON Operation Configuration



The Adaptable Bridge Launching Kit (PYTHON-ABLK) provides armored protection to the crew during launch and retrieval procedures. The bridge itself is transported by a PLS-Truck and then completely launched in a protected assembly area or in a covered position close to the actual crossing site. With the help of the PYTHON-ABLK the launched bridge is then lifted on top of an armored fighting vehicle, driven to the nearby crossing site and launched under armor protection. PYTHON-ABLK can be easily adapted to and removed from the relevant armored fighting vehicle.

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