

### ABC 140/L

Platform length	14.0 m.
Platform width	1.3 m.
Max. payload of platform	600 Kg.
Max. payload of telescopic platform	300 Kg.
Rotation range underbridge	180°
Max. lowering depth	8.0 m. / 9.5 m.
Max. overbridging of sidewalk	2.1 m.
Max. crossing of sound barrier	2.1 m. / 3.4 m. / 4.2 m.
Space required on bridge	2.5 m.
Total weight of unit	18.000 Kg.

Truck-mounted unit.  
Self propelled by hydraulic power supply.

### ABC 140/T

Platform length	14.0 m.
Platform width	1.3 m.
Max. payload of platform	600 Kg.
Max. payload of telescopic platform	300 Kg.
Rotation range underbridge	180°
Max. lowering depth	8.0 m. / 9.5 m.
Max. overbridging of sidewalk	2.1 m.
Max. crossing of sound barrier	2.1 m. / 3.4 m. / 4.2 m.
Space required on bridge	2.5 m.
Total weight of unit	18.000 Kg.

Trailer-mounted unit.  
Self propelled by hydraulic power supply.

### ABC 200/L

Platform length	20.0 m.
Platform width	1.2 m.
Max. payload of platform	600 Kg.
Max. payload of telescopic platform	300 Kg.
Rotation range underbridge	180°
Max. lowering depth	8.5 m.
Max. overbridging of sidewalk	2.85 m.
Max. crossing of sound barrier	2.0 m. / 3.2 m.
Space required on bridge	2.5 m.
Total weight of unit	29.000 Kg.

Truck-mounted unit.  
Self propelled by hydraulic power supply.

### ABC 230/L

Platform length	23.0 m.
Platform width	1.5 m.
Max. payload of platform	600 Kg.
Max. payload of telescopic platform	300 Kg.
Rotation range underbridge	180°
Max. lowering depth	8.5 m.
Max. overbridging of sidewalk	2.85 m.
Max. crossing of sound barrier	2.0 m. / 3.2 m.
Space required on bridge	2.5 m.
Total weight of unit	32.000 Kg.

Truck-mounted unit.  
Self propelled by hydraulic power supply.



ABCline  
automatic  
bridge control

*Sfidiamo l'impossibile. We challenge the impossible. nous défions l'impossible. desafiamos el imposible.*

### ABC 60

Platform length	6.0 m.
Platform width	1.0 m.
Max. payload of platform	300 Kg.
Max. payload of telescopic platform	150 Kg.
Rotation range underbridge	135°
Max. lowering depth	4.0 m.
Max. overbridging of sidewalk	1.7 m.
Max. crossing of sound barrier	2.0 m.
Space required on bridge	2.0 m.
Total weight of unit	3.500 Kg.

Truck-mounted unit.  
Self propelled by hydraulic power supply.

### ABC 110/L

Platform length	11.0 m.
Platform width	1.05 m.
Max. payload of platform	600 Kg.
Max. payload of telescopic platform	300 Kg.
Rotation range underbridge	180°
Max. lowering depth	6.0 m.
Max. overbridging of sidewalk	2.0 m.
Max. crossing of sound barrier	2.5 m.
Space required on bridge	2.5 m.
Total weight of unit	14.000 Kg.

Truck-mounted unit.  
Self propelled by hydraulic power supply.

### ABC 160/LS

Platform length	16.0 m.
Platform width	1.3 m.
Max. payload of platform	500 Kg.
Max. payload of telescopic platform	200 Kg.
Rotation range underbridge	180°
Max. lowering depth	9.0 m.
Max. overbridging of sidewalk	4.65 m.
Max. crossing of sound barrier	3.2 m. / 5.4 m.
Space required on bridge	2.5 m.
Total weight of unit	32.000 Kg.

Truck-mounted unit.  
Self propelled by hydraulic power supply.

### ABC 170/L

Platform length	17.0 m.
Platform width	1.3 m.
Max. payload of platform	800 Kg.
Max. payload of telescopic platform	400 Kg.
Rotation range underbridge	180°
Max. lowering depth	8.0 m. / 9.5 m.
Max. overbridging of sidewalk	2.85 m.
Max. crossing of sound barrier	2.1 m. / 3.4 m. / 4.1 m.
Space required on bridge	2.5 m.
Total weight of unit	26.000 Kg.

Truck-mounted unit.  
Self propelled by hydraulic power supply.



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Technical data are purely indicative and in no way binding.

# ABC line

inspection and maintenance systems for bridges and viaducts



The spacious platforms of the ABC range of machines enable the operators to carry out any sort of heavy-duty repair work underneath bridge decks, by the use of electric/hydraulic/pneumatic operated tools which can be supplied directly from the outlets provided on board the platform. Demolition works can be carried out as well by means of hammers, by previous protection of the platform with plastic covers against the fall of debris.



The smallest unit ABC 60 of the range, being mounted on a truck-chassis of 3.5 t. GVW only, is specifically designed to enable quick and easy access to the underside of bridges of limited dimensions. Thanks to its high versatility and high performances, matched with its low cost, the ABC 60 is the ideal machine for both local Road Authorities and private Contractors who are taking care of inspection and repair works of small-size bridges belonging to regional and local road networks.



# ABC line

automatic bridge control

## COMPANY PROFILE

BARIN has been working in the field of design and construction of bridge inspection units since the sixties. Housing administration, design offices, production and testing facilities are based on a 23.000 square meters site in Cittadella (Padua).

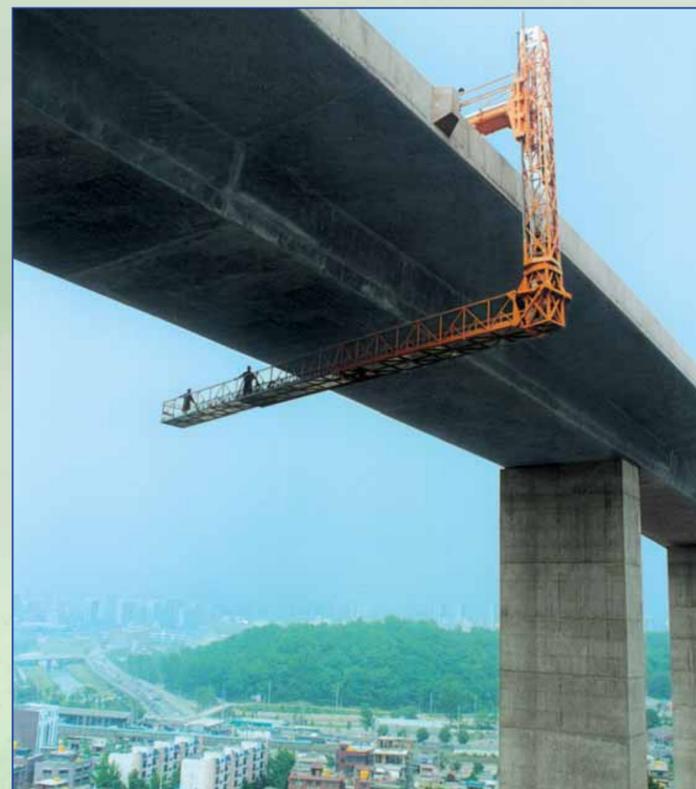
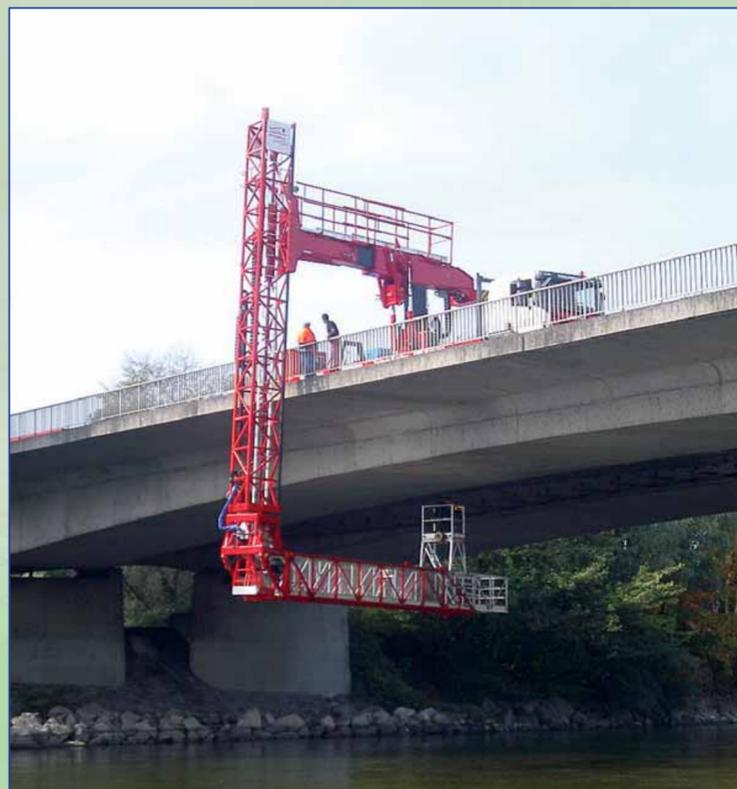
The plant is provided with all the most advanced facilities for the production of access equipment, among which we like to mention a bridge for testing the machines prior to delivery.

BARIN company is supported by a staff of experienced technicians who guarantee a high product quality level and a worldwide service and assistance to the clients.

BARIN equipment is often designed and manufactured to meet the specific requirements of the customers and it is capable therefore to suit whatever technical need.

Testing of machines and certification of safety standards is provided according to current rules of country of destination.

Such a flexible approach to the market has made possible BARIN to be today permanently present in most of the countries all over the world.



The products of the "ABC line" for inspection and maintenance of road bridges guarantee a safe, quick and economic system of access to those structures where setting up of scaffolds is not feasible or it is too costly. The ABC units, mounted on standard trucks or trailers, take a few minutes only to deploy from the rest position to the work position, without personnel on board.

Only after launching manoeuvres are over, operators are enabled to descend on board the platform through the provided protected access and from here they can communicate with personnel on top the bridge deck by means of intercom system.

The launching of the platform, which has a length comprised between 5 and 23 meters depending on the model, is operated by proportional controls and hydraulic power supply.

The translation manoeuvre of the unit in forward and reverse on bridge deck, with platform deployed underneath, is commanded from platform control station, with the consent of the driver in the cab. Suitable to operate in the most strained environmental conditions, the ABC units allow access to bridges having barriers up to more than 5 m height and, thanks to the "Descender" device, they enable to check the condition of piers up to more than 50 m depth. Equipped with emergency electropump, the units can be supplied complete of other accessories such as generator and compressor with air and water plants.