

# LIFTS FOR **PASSENGER CARS** **LIGHT TRUCKS**

The Art of Lifting



MADE IN GERMANY



## **J.A. Becker & Söhne**

**Innovative lifting technology**  
for passenger cars and light trucks



**... we make it happen!**



**safe working**

**flexible applications possible**

**multiple versions to  
meet all demands**

**approved and tested in  
numerous workshops**

#### **JAB - ADVANTAGES**

Leading manufacturer of inground lifting technology with decades of experience

Approved in workshops and production facilities of well-known vehicle manufacturers all over the world

Several lifting systems for all demands

Longevity through highest quality in material and manufacturing

Environment-friendly through low oil quantity and use of biodegradable hydraulic oils

Easy to maintain through best accessibility of scraper and sealing rings

## The original version of all lifts



DuoRam HK 35

The single-ram inground lift is still of great importance in modern workshops. In certain areas it is the only one to provide ideal working conditions.

To mention just a few of them, e.g. the washing bay, the pre-paint area and the numerous repair works that require the vehicle to be freely accessible from all sides.

Just as well applicable for repair and installation work inside the vehicle. Already in standard execution, the installation frame is delivered in hot galvanized execution for extended corrosion protection.

This innovative lift is certified to meet the EN 1493:2010 (for vehicles lifts) through its redundant safety system and is additionally equipped with an acoustic warning signal/CE-stop – because safety comes first!

**Contact us to receive the product specific leaflet!**

### JAB - ADVANTAGES

Lifting capacity 3.000 kg and 3.500 kg

Redundant safety system acc. EN 1493:2010

Easy installation

All force is taken up by the installation frame and then led into the ground

High-quality head piece and many accessories for all demands

Optimal flexural strength by optimised arrangement of guide bars

Foundation cassette with test certificate for installation in water protection area



K 36.1 und K 36.2



HK 35



K 35-S2



AE 35 und AE 35-L



K 23/3

**Different head** pieces ensure the specific appliance of this simple, robust and service-friendly lift – with JAB-Quality a capital investment to last for many years.



DuoRam K 23/3



Type

DuoRam



## The perfect lift concept

The TwinRam, with its perfect concept has now been taken into the next generation of the family of JAB lifts. The technical preciseness we invested into the new TwinRam resulted in a very user friendly lift.

Easy operated lifting of vehicles, reduced set-up time and best accessibility are the advantages of this lift which is suitable for all applications in the work shop (repair, reception, etc).

The TwinRam-Lifts are available in several executions e.g. with different ram distances of 1.300, 1.500, 1.700, 2.300, 2.500 and 2.600 mm. And a various program of different head pieces.

Our standard and most popular TwinRam-Version is the well know TwinRam 35 with length-wise adjustable plate supports at a ram distance of 1.300 mm.

In constant dialogue with our customers we develop our product program corresponding to the demands and modifications of the latest vehicle models. As an outcome of this we have designed the plates supports XY in connection with a ram distance of 1.700 mm. These plates supports are length- and crosswise adjustable. A big advantage of this version is the free accessibility of the sill covered area.



TwinRam 50.1 S2/2500

Furthermore this lift is available with swivelling arms or drive-on platforms. Specially manufactured by JAB only: the head piece "System Essmann AE" with spring plates. The Essmann-head piece grants unbeatable advantages: Drive-on – Lift – Work!

Whatever you need, lift for repair works, reception or for the wash area, JAB offers lifts and head pieces for all applications.

**Contact us to receive the product specific leaflet!**

JAB - ADVANTAGES
Lifting capacity from 3.000 kg up to 6.500 kg
Distances between rams 1.300, 1.500, 1.700, 2.300, 2.500 and 2.600 mm
Application specific head pieces
Continuous modification and adaption corresponding to the market standards
Foundation cassette with test certificate for installation in water protection area
Installed in production lines of well-known vehicle manufacturers due to high operation safety
El.-control unit with acoustic warning signal/CE-Stop

SEVERAL ACCESSORIES AVAILABLE ON DEMAND
Lift in recessed execution, flush with the floor
Bottom levelling device for recessed execution for additional safety
Illumination facility
Environmental friendly by use of biodegradable hydraulic oils

TwinRam 35 AE/1300



Type  
TwinRam





Telescopic version

The approved TwinRam technology is used for the TwinRam Tele lifts as well, hence several versions are available.

The patented electro-hydraulically telescopic lift TwinRam Tele will convince you with its very low installation depth of less than 1.300 mm. The lift is the best solution if there is a need of low type excavation such as rocky ground or ceiling installation (e.g. warehouse or parking lot underneath).

Due to low installation depth, the TwinRam Tele is recommended for installation in multi-story buildings, specially if the basement should be fully useable.

With an adequate carrying capacity of the ceiling, no additional supporting on the ground is necessary for this lift.

Contact us to receive the product specific leaflet!

JAB - ADVANTAGES
Lifting capacity 3.500 kg
Distances between rams 1.300, 1.700 and 2.300 mm
Installation depth less than 1.300 mm
Synchronisation is granted by crossbar or differential gear
All force is taken up by the installation frame and then led into the ground
Foundation cassette with test certificate for installation in water protection area
El.-control unit with acoustic warning signal/CE-Stop



TwinRam 35 S/2300 Tele



Type

TwinRam TELE

Fully hydraulic version

Also the TwinRam VH is available in telescopic version and will convince you with an extremely low installation depth. Only core hole drillings are required and no foundation frame is needed, just two special mounting plates. For installation of these mounting plates a floor pavement thickness of 30 mm is enough!

There is no mechanical link between the two hydraulic cylinders. Synchronisation and safety demands according EN 1493:2010 are granted by an additional Master/Slave-System.

Due to very low constructional effort, the TwinRam VH Tele is recommendable for subsequent installation in existing buildings. Specially for multi-story buildings where the basement should be fully useable.

JAB - ADVANTAGES
Lifting capacity: 3.500 kg
Distance between rams arbitrary
Only core hole drillings necessary
No foundation frame only mounting plates. Pavement floor height of 30 mm enough as foundation
Recommendable for subsequent installation in existing buildings
El.-control unit with acoustic warning signal/CE-Stop

Contact us to receive the product specific leaflet!



TwinRam 35/1300-VH Tele



TwinRam 35 XY/1700-VH Tele



Type

TwinRam VH TELE

# JAB-Overview of head piece solutions

TwinRam 35



The lengthwise adjustable **plate supports** are specially recommended for repair, wheel and car body operations as the vehicle is free accessible from all sides. Also beneath the vehicle nearly unlimited operation is possible. The plate supports have a drive-over height of approx. 60 mm only and they are chamfered on three sides. Already in standard execution, the lengthwise plate support as well as the pick-up plates are delivered in hot galvanized execution for best possible corrosion protection.

TwinRam 35 XY



The length- and crosswise adjustable **plate supports** are specially recommended for repair, wheel and car body operations as the vehicle is free accessible from all sides. Also beneath the vehicle unlimited operation is possible. The plate supports have a drive-over height of approx. 70 mm and they are chamfered on three sides. The lengthwise plate supports are delivered in hot galvanized and the pick-up plates in painted execution.

TwinRam 35 S2/2300



The **swivelling arms** can be used universal. They are suitable for lifting of smallest passenger cars up to small trucks. The arms are 2-fold telescopic and can be equipped with several additional supports to lift up a big range of different vehicles – just with one lift. For car body work and the use of dressing bench we recommend our car body supports. (Available as version with lifting capacity of 3.500, 5.500 or 6.500 kg)

TwinRam 35 AE/1300



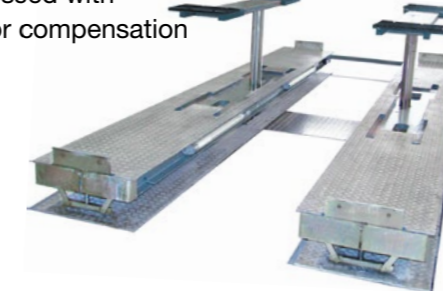
For the service reception the **drive-on bridge type Essmann** with spring plates is specially recommended. This head piece is manufactured by JAB only! Fast, simple and safe supporting of vehicles is an convincing advantage of this progressive lifting concept. It will convince you with a very low drive-over height of the spring plates (20 mm) and best possible accessibility of vehicle underneath. Due to the hot-galvanized standard version, the head piece has the best protection against corrosion and is predestinated for the application in wash areas.

TwinRam 35 A, recessed with second floor fill-in parts



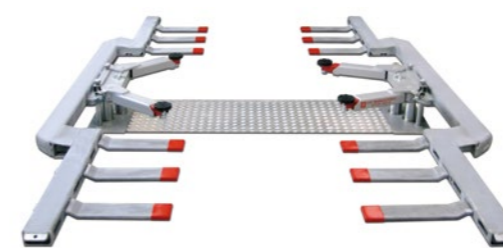
The **drive-on platform** grants simple drive-on due to low drive-over height and also safe lifting of vehicle even at lower clearance height. All drive-on platforms are covered with aluminium covering for best corrosion protection. (Also available with lifting capacity of 5.000 kg as TwinRam 50.1 A/1500)

TwinRam 401 A/N de luxe, recessed with floor compensation



**JAB-lift with drive-on platforms** are available with a **secondary lift** (stroke approx. 1.800 mm) as well, equipped with plates supports or swivelling arms on demand. Both lifting units can be operated separately. The aluminum covered drive-on platforms are laying on the floor but are also available in special execution flush with the floor (with recessed platforms). In the deluxe version, the secondary stroke is equipped with plate supports which can be recessed into the drive-on platforms.

TwinRam 35 AE-S2



The patented **drive-on bridge type "Essmann"** is suitable to lift the vehicles at the wheels. With the combined 2-stage swivelling arms the vehicle can be lifted at both axles at the same time.



**Contact us to receive the product specific leaflet!**

You can find the Brochures on our website.



[www.jab-becker.de](http://www.jab-becker.de)

## For wheel alignment

With the lift type QuattroRam we have developed a lift according to the latest requirements of wheel alignment.

All parameters of well-known and leading car manufacturers concerning accuracy are achieved fully with this lift.

The JAB QuattroRam is suitable for conventional wheel alignment as well as for latest touchless sensing technology.

For assembly of turn tables and sliding plates for wheel alignment special recesses are integrated that can be adapted by using insert plates.

Due to a mechanical locking in measuring position, the accuracy of the lift is granted by 100 % over many years.

**Contact us to receive the product specific leaflet!**



## For repair and service reception

This lift type QuattroRam 65 A/N-S2 offers two independent lifts at only one workstation, which makes it suitable for all workshop-demands. Due to the additional double telescopic swivelling arms as a secondary stroke, this lift is specially recommendable for service and repair operations.

The 5.500 mm long and 650 mm wide drive-on-platforms with a lifting capacity of 6.500 kg are suitable for lifting vehicles at the wheels. In combination with the swivelling arms the lift enables the wheel-free lifting of the vehicles.

The short lifting-and lowering time makes this lift the perfect choice for service reception. Due to it's design with round rams, the lift is perfectly protected against infiltration of humidity or liquids.



QuattroRam 65 A/N-S2

### JAB - ADVANTAGES

- Lifting capacity 4.000 kg and 6.500 kg
- Extremely low drive-on height of 150 – 160 mm
- Foundation cassettes with test certificate for installation in water protection area
- All force is taken by the installation frame and lead into the ground



Type

QuattroRam

# JAB Workshop Planning

Are you planning to build a new workshop or to enlarge your old one in order to be able to offer your customers a maximum of service?

We offer a complete planning service, supported by an architect, in order to design your workshop according to your individual needs.

We aim for you to get the most out of your investment.



There is a solution  
for every problem!



## JAB SPECIAL PROJECTS



## JAB Lifts

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Hydraulic universal and special lifts with a lifting capacity of up to 140.000 kg for cars, trucks, busses and for tracked and tramway vehicles. The JAB Product program includes all elements of 1-, 2-, 3-, 4- and multiple ram inground lifts.

## JAB Special Equipment

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Hydraulic lifting systems for plant engineering, production facilities and installation devices.

## JAB Compressors

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Low-, medium- and high-pressure compressors for workshops, garages, industrial facilities and the energy industry, ranging from 10 to 350 bar; special filling equipment for breathing apparatus for professional use, pressure tanks up to 200 bar, compressed air cold driers, oil and water separation.



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