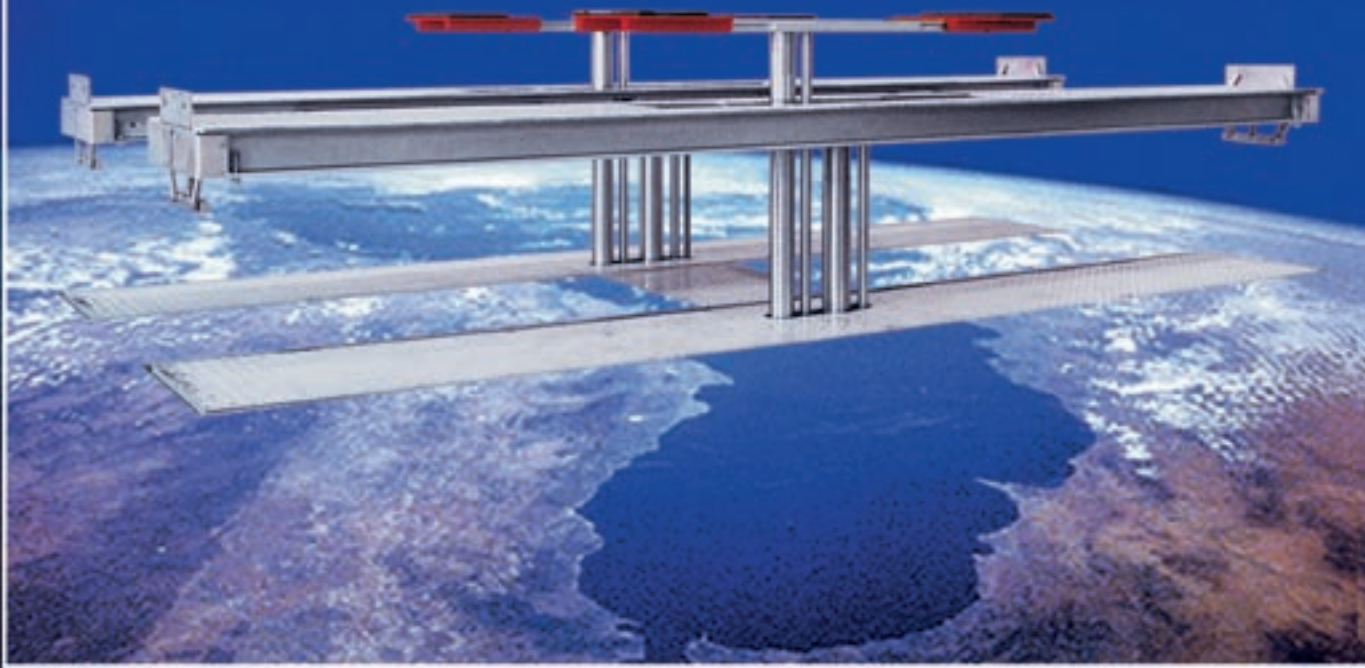


**At the end quality pays**

# Passenger car light trucks



**1-, 2- and 4-ram lifts for passenger  
cars and light trucks**

**J.A. Becker & Söhne**



# Lifting and take-off

*... we make it happen!*



TwinRam 401 A/N de Luxe

## JAB-Advantages:

Leading manufacturer of in-ground 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 (optional)

Easy to maintain through best accessibility of scraper and sealing rings.

- safe working
- flexible applications possible
- multiple versions to meet all demands
- approved and tested in numerous workshops



**J.A. Becker & Söhne**



## The original version of all lifts

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.

This innovative lift is certified to meet the EN1493 (for vehicles lifts) through its redundant safety system - because safety comes first!

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



DuoRam HK 35

### JAB-Advantages:

Lifting capacity 3.000 kg and 3.500 kg

Redundant safety system acc. EN 1493

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 (on demand)



K 36.1 und K 36.2



HK 35



K 35 und K 33/3,5



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 K23/3



## 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 mm, 1.700 mm and 2.300 mm and a various program of different head pieces.

Our standard and most popular TwinRam-Version is the well know TwinRam 35 with lengthwise adjustable plate supports at a ram distance of 1300 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 SL/2300

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!**



TwinRam 35 AE/1300



### Several accessories available on demand:

- Bottom levelling device for additional safety
- Illumination facility
- Axle lift

### JAB-Advantages:

Lifting capacity from 3.000 kg up to 5.000 kg

Distances between rams 1.300, 1.700 and 2.300 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 (on demand)

Installed in production lines of well-known vehicle manufacturers due to high operation safety



TwinRam 35 XY/1700





## Fully hydraulic lift

JAB engineers have always redefined the state-of-the-art-technology. Our new developed fully hydraulic 2-Ram-Lift has special installation conditions. This lift has a patented fully hydraulic synchronisation system, therefore no cross bar is required. Synchronisation and safety demands according EN 1493 are granted by 2 individual Master/Slave-systems

No big foundation cassette is needed for this lift. Both individual lifting rams can be installed in plastic pipes which are closed at the bottom, fully water proof, impact resistant and largely resistant against oil, grease, fuel and several other chemicals. Therefore water ingress is prevented and the longevity of the lift is extended essentially.

Our VH-TwinRam lifts are available with a lifting capacity of 3.500 kg and assembled with the usual head pieces like plate supports, swivelling arms and drive-on platforms.



TwinRam 35 S2/2300-VH

Subsequent ceiling installation of this lift in existing buildings is quite easy, only core hole drillings are required. The lift can be installed without plastic tubes. Where structural statics of the building has its limit, the JAB VH-TwinRam is the best solution.

Installation of this lift is recommended for difficult soil conditions and/or high water level situations. Our new TwinRam VH is robust enough to brave these requirements.

**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

Application specific head pieces

Fast and smooth installation

Specially recommended for difficult soil conditions and high water level situation.

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



## 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!**



TwinRam 35 T/1300



TwinRam 35 S2-T/2300

### JAB - Advantages:

Lifting capacity 3.500 kg and 5.000 kg

Distances between rams 1.300, 1.700 and 2.300 mm

Installation depth less than 1300 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 (on demand)



## Telescopic 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 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.

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



TwinRam 35 T-VH/1300



TwinRam 35 XY-T VH/1700

### JAB-Advantages:

Lifting capacity: 3.500 kg

Distances between rams 1.300 mm, 1.700 mm, 2.300 mm

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



The **plates supports**, in standard version (lengthwise adjustable) or in XY-version (length- and crosswise adjustable) are specially recommended for repair operations, wheel and car body operations as the vehicle is free accessible from all sides. Also beneath the vehicle unlimited operation is possible. The plates supports have a drive-over height of approx. 60 mm only, and they are chamfered on three sides. (Photo: TwinRam 35)



The **swivelling arms** can be used universally. 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. (Photo: TwinRam 35S 2/2300)



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. (Photo: TwinRam 35 AE/2300)



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. (Photo: TwinRam 40 A, recessed platforms with bottom levelling device)



**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 drive-on platforms are laying on the floor but are also available in special execution flush with the floor (with recessed platforms).

In the de luxe version, the secondary stroke is equipped with plate supports which can be recessed into the drive-on platforms. (Photo: TwinRam 301 A/N de luxe, recessed platforms with bottom levelling device)



## Hydraulic 4-ram lift

With the new hydraulic four-ram 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!**



QuattroRam 40 A-Align



QuattroRam 55 Align

Length of platforms 4.350 mm (QR 40) bzw. 5.050 mm (QR 55)  
Width of platforms 600 mm



### JAB - Advantages:

Lifting capacity 4.000 kg and 5.500 kg

Extremely low drive – on height of 150-160 mm

Accuracy right/left < 0,5 mm

Accuracy front/rear/diagonal < 1,0 mm

Measuring and calibration position adjustable in lifting steps of 100 mm

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



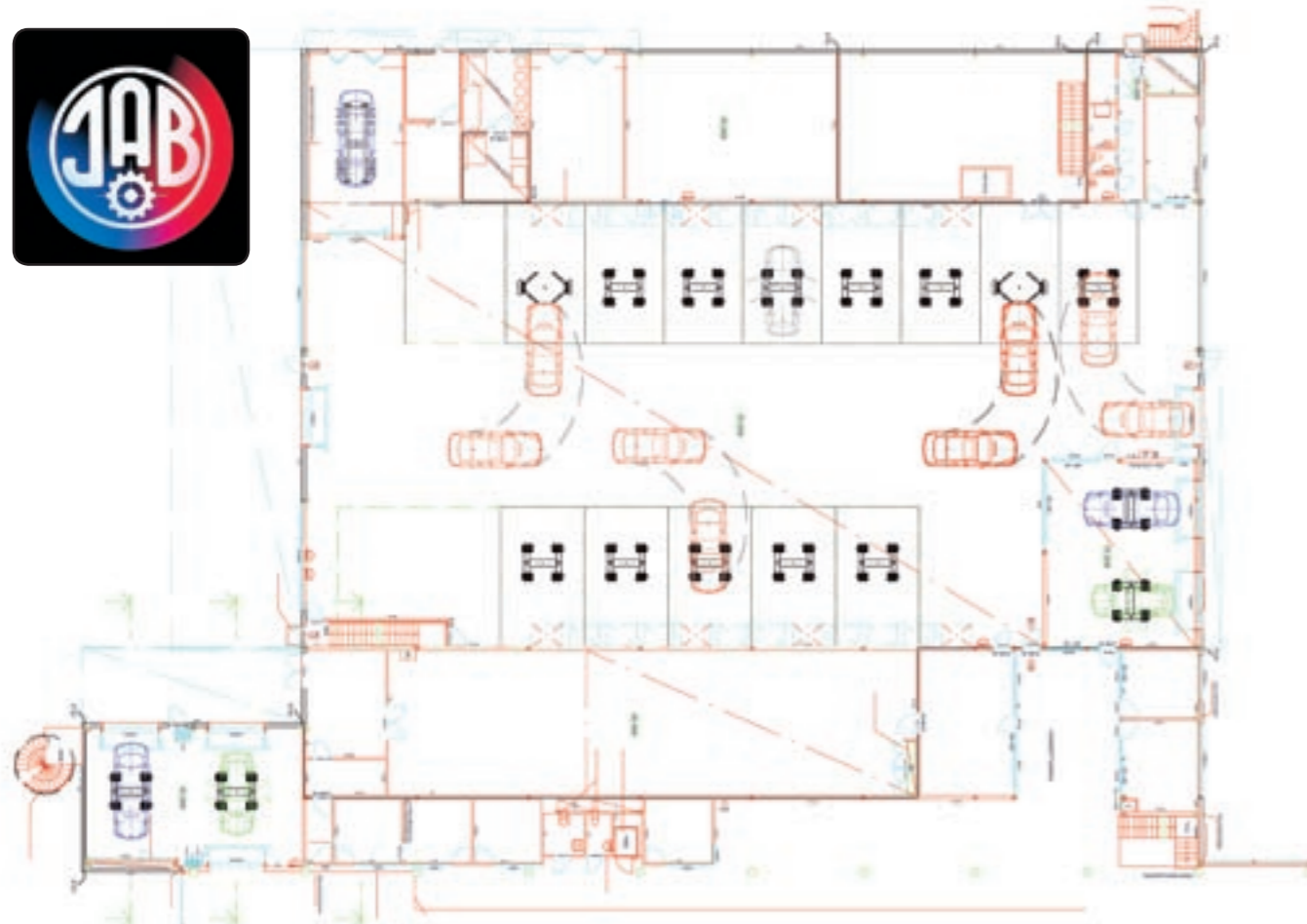


# JAB - Workshop-planning

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 100.000 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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