

## Tailor-Made Hoisting Equipment

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L i f t u n g

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L o a d i n g

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L e v e l l i n g

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C h a n g i n g

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T r a v e r s i n g

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D e p o s i t i n g

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S u p p o r t i n g

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# Lifting Systems

## Depositing Systems

### Modularity

Our lifting supports are modular in design, so that low-cost solutions are available for your specific requirements. A system consists of four supports, with the carrying capacity of an individual support amounting to half of the carrying capacity of the system as a whole. Depending on the application of the supports, the following technical parameters can be achieved:

- Carrying capacity up to 15 t containers
- Lifting heights from 500 mm to 1,750 mm (Optional 2,000 mm)
- Attachment to ISO corners
- Power supply 24 V DC, 400 V AC, 230 V AC optional

### Position Control

Innovative inclinometer-based position control is a special characteristic of our lifting systems.

- Lifting and lowering action parallel to the ground during loading operations in uneven terrain (patented)
- Automatic initial inclination registration
- Inclination offset to 0°, Control precision: +/- 0.1°
- Safety shutdown when inclination exceeds 3.5 degrees (limit up to 7 degrees, as required)
- Individual support control unit optional available for easy attachment

In addition to our standard products, we offer customized designs:

- Non-standard lifting heights
- Systems with high rotational and lateral stiffness (for example radar shelters)
- Increased lifting speed up to 500 mm/min
- Specially adapted mounting and interlocking systems
- Special base plates and booms
- Advice and assistance to customers implementing specific projects



Safe ++ Stable ++ Modular  
++ Dustproof ++ Rugged



- Special colours and paint coats
- Expertise and expedient performance when it comes to tests, trials and provision of samples

Our products are TÜV tested. Each product is subjected to functional and load tests performed on our own test equipment.

## Technical Details

- Power transmission components and the inboard spindle are encased in telescopic tubes in a dust and sand proof manner
- Thanks to their high degree of protection, our motor-driven supports can be used worldwide in many climatic zones (-40 °C to +70 °C)
- Flexible fold-up type boom systems, which can be locked into position at 0/90/160 degrees (standard) or at any other angle
- Slide-in systems requiring only 300 mm (minimum: 250 mm) between the container and the cab
- Telescopic square sections with slide guides ensure excellent stability and nearly backlash-free movement
- High-strength aluminium supporting tubes guarantee minimum weight and maximum carrying capacity
- Lifting drives featuring acme screw spindles or ball screws and a load pressure brake – all encased in a dust-proof way
- High buckling strength through patented tension reversal subjecting the spindle to tensile stress
- High stability in the field through cup-shaped feet allowing angular and rotational mobility

Depositing systems can be easily separated into single, light-weight components and so attached or removed and operated by just one person. They will be used for loading and depositing of swap bodies or ISO-containers, independent of location and availability of other loading equipment.

We employ powerful CAD workstations for our 3-D engineering and design activities.

# Levelling Supports

## Industry Hoisting Gear

### LEVELLING SUPPORTS

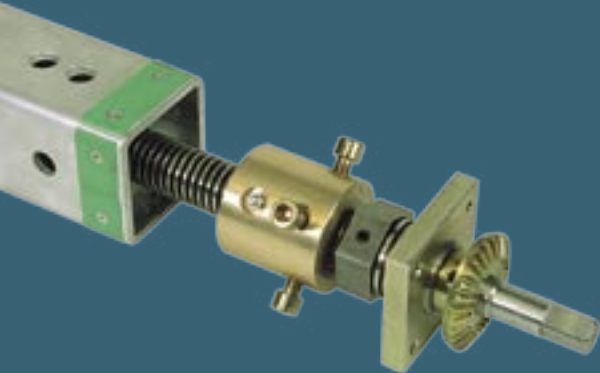
For a Maximum Lifting Height of 600 mm and a Maximum Carrying Capacity of 16 t containers.

Levelling supports are used on containers which require precise alignment on the ground (e.g., mobile hospitals, field camps and kitchens) or for stabilization of trucks and lorries (e.g., mobile x-ray stations, antenna carrier, command post).

- Levelling supports for DIN ISO 1161 corners, with open or encased spindles
- Clearance free, high stiff levelling supports
- Plug-in and attachable levelling supports
- Fold-up and jack-type levelling supports
- Base frame and quick release supports

### Types of Operation

- Manual operation by hand ratchet/spanner/crank
- 24 V DC electric motor drive, also available 400 V AC, 230 V AC
- Position control precision: +/- 0.1 degrees
- Safety shutdown when inclination exceeds 3.5 degrees
- Lifting action parallel to ground possible
- Automatic inclination offset to zero degrees



Levelling Support 5 t  
Type 272  
Spindle stroke 200 mm  
Quick release stroke 300 mm

Levelling Support 7 t  
Type 272 / A  
Spindle stroke 500 mm

Quick release support 2 t  
Type 263 / C  
Spindle stroke 150 mm  
Quick release stroke 200 mm



Levelling Support 5 t  
Type 248  
Spindle stroke 500 mm

Levelling Support 7 t  
Type 286  
Spindle stroke 300 mm

Levelling Support 4 t  
Fold-up, Type 239  
Autom. levelling  
Drive 24 V DC  
Stroke 600 mm



## INDUSTRY HOISTING GEAR

In the last few years HETEK has entered into this new product range with special product manufacturing for several clients.

At the same time basing it on and using our experience with our traditional products like car jacks. There are new products like a scissor lifting mechanism to lift and lower the testing devices and instruments in car engine test modules, adjusting components for machines, mounting cranes, tilting arrangements for barrels, height adjusting arrangements for platforms for aircraft maintenance and repair with manual, electric and pneumatic drive.

# Container Movement

## Lifting Gantries / Roller Sets / Aircraft Loading Systems

### TRAVERSING LIFTING GANTRY

- Traversing hoist ensuring that telephone exchanges, field hospitals, power supply units, etc. can be loaded quickly in the event of emergencies and disasters
- Fast connection to shelters of different types
- Rapid loading action, carrying capacities up to 20 t
- Gantries can be extended in pairs or each gantry can be controlled individually
- Roller traversing gear on each support enables gantries to be moved without load

The new traversing lifting gantry design also enables the gantry to be moved under load with a raised container



### HEAVY-DUTY ROLLER SETS

Container Roller Set Consisting of:

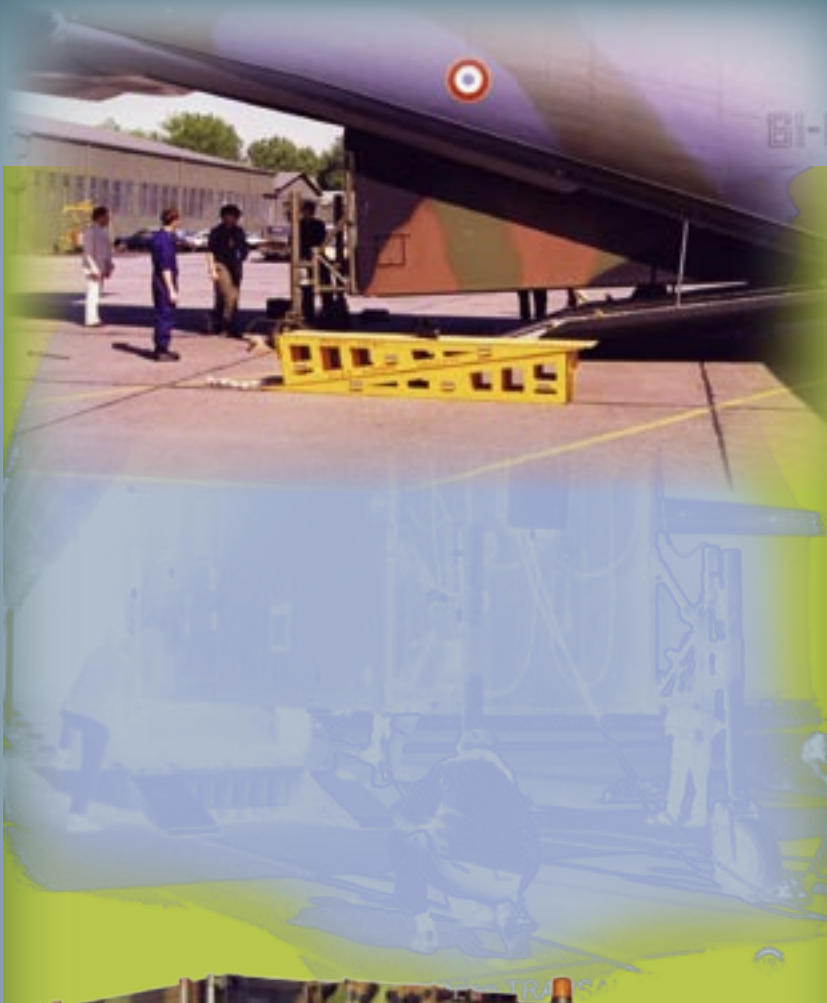
- 4 universal rollers with brake and direction locking
- Tow bar and multifunction unit (mounting aid and steering bar)
- Locking from below into ISO-corner
- Carrying capacity up to 16 t containers
- Maximum height of steps that can be surmounted: 30 mm

Options: Roller sets for 6 t, 10 t, 12 t and 16 t

The Hetek heavy duty roller movement set can be used for manoeuvring containers up to 16 t on paved ground. The attachment of the rollers may be effected from below into the ISO-corners, the side pockets of the ISO-corners remaining free for other purposes.



Flexible ++ Innovative ++ Reliable



## Aircraft Loading Systems

In cooperation with the French company Henri Blanc S.A.; Hetek became involved in the design and manufacture of aircraft loading systems for containers up-to 10 t. An aircraft loading system is the ideal solution, when containers need to be independent of supplementary loading equipment or hoisting gear loaded into aircrafts, loaded from truck or train and levelled in working position. Aircraft loading systems become more and more important because of the reorganisation of many armies into smaller, rapid response and deployment units. These units need to react very quickly and take their prime tactical equipment with them.





## LIFTS FOR THE HANDICAPPED

Drawing on many years of experience as a manufacturer of hoisting equipment and screw spindle lifting systems, Hetek produces vertical outdoor and indoor lifts for people in wheelchairs or with disabilities. When it comes to heights of up to 10 m, Hetek lifts provide an alternative to platform lifts, stair lifts and tower hoists.

### Lifting platform BLM

Easy installation, high reliability, first-rate materials and a solution for any entrance with barriers up to 1 m these are the features of the step lift BLM. The access is possible from the left or right hand side or from the front. In combination with the patented flap bridging the entrance can be used by both wheelchair drivers and pedestrians.

### Vertical lifts BLS and BLE

The vertical lift BLS bases; like the most of Hetek products; on the reliable spindle drive. The most important features are: Flexible adaption to the local building situation, short installation time, comparable small installation place needed, flexible shaft design modification (safety glass, Forex, metal sheet, polycarbonate) and increased lifting speed of 0,15 m/sec. The new vertical lift BLE without shaft is a economic solution up to 3 m height.



## HEAVY CAPACITY RACKS

HETEK-heavy capacity racks are used for storage of long length materials like laths, sawn wood, timber, tubes and profiles and are marked out by:

- Simple assembling, high carrying capacities and rigid construction
- Universal application in building, craft and industry
- Simple enlargement of your storage capacity by means of single or double sided application and selective roofing and up to conversion into a storage hall
- Very bright range of assembling modifications because of short structural modules (10 cm) and different cantilever lengths (from 80 to 185 cm, special lengths on inquiry) and rack heights more the 6 m