

# The Product Overview



Overhead travelling cranes

HB light crane systems

Jib cranes

Electric wire rope hoists

Electric chain hoists

Lightweight mobile gantries

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All data is subject to alterations in technical specification

## ABUS overhead travelling cranes. The solution for difficult tasks.



ABUS ELS single-girder travelling cranes with two wire rope hoists used for handling superstructure components for luxury yachts (PR Marine Boatyard)

ABUS overhead travelling cranes can lift, handle and lower loads of up to 100 tonnes. Four main types are available: these include single-girder travelling cranes, double-girder travelling cranes for heavy-duty work and wide spans and underslung travelling cranes for buildings with special conditions. The fourth main type is the wall travelling crane, installed on a separate crane track beneath the other types in order to optimise material handling.

- **Load capacity:** up to 100 t max.
- **Span:** up to 36 m  
(depending on load capacity)
- **Applications:** mainly for area-coverage material handling in buildings
- **Characteristics:** comprehensive standard and optional equipment to suit individual applications



ABUS EKL wall travelling crane carrying a long load (Rösta)

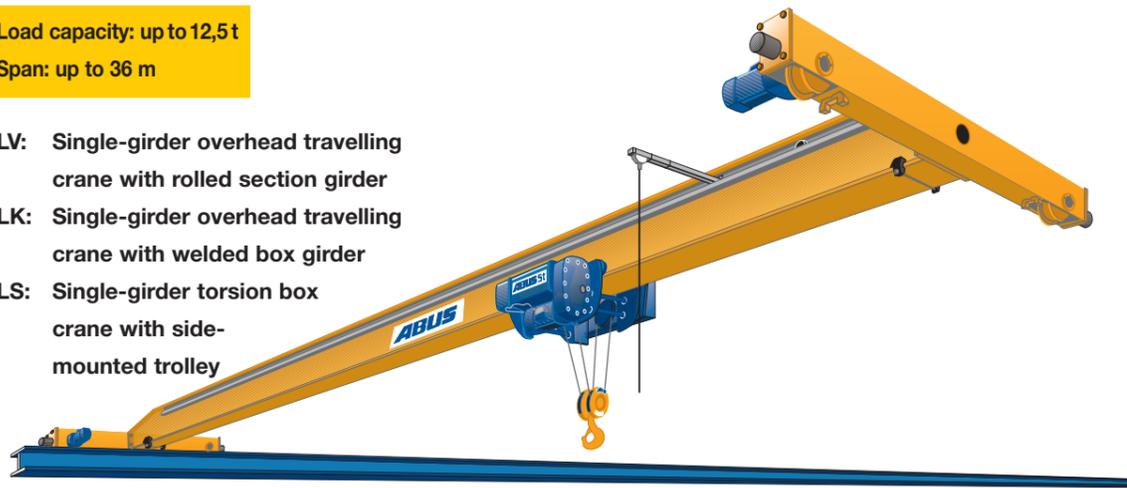


ABUS ZLK double-girder travelling crane with two tandem-controlled electric wire rope hoists and a spreader used for carrying prefabricated building components (Raab).

## ABUS single-girder overhead travelling cranes

Load capacity: up to 12,5 t  
Span: up to 36 m

- ELV: Single-girder overhead travelling crane with rolled section girder
- ELK: Single-girder overhead travelling crane with welded box girder
- ELS: Single-girder torsion box crane with side-mounted trolley



- wide range of connection variants for optimum adaptation to local conditions
- very high hook positions possible

## ABUS underslung overhead travelling cranes

Load capacity: up to 8 t  
Span: up to 25 m

- DVLM: Underslung overhead travelling crane for lighter loads
- EDL: Underslung overhead travelling crane for heavier loads

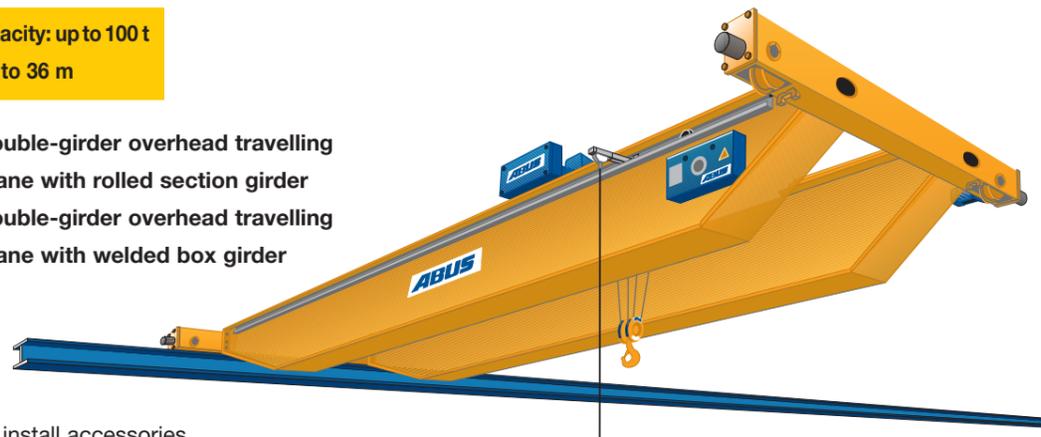


- crane track mounted on ceiling
- the ideal solution for buildings with difficult or tight conditions
- short side approach dimensions, allowing optimum utilization of building width

## ABUS double-girder overhead travelling cranes

Load capacity: up to 100 t  
Span: up to 36 m

- ZLV: Double-girder overhead travelling crane with rolled section girder
- ZLK: Double-girder overhead travelling crane with welded box girder

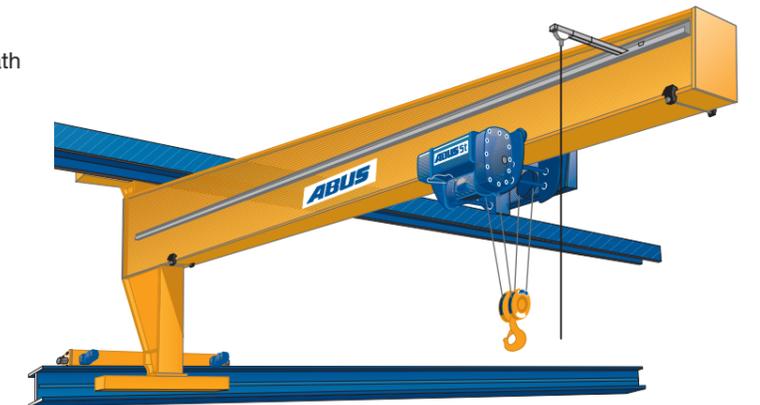


- easy to install accessories
- high crane and trolley travel speeds possible

## ABUS EKL wall travelling crane

Load capacity: up to 5 t  
Track length: up to 10 m

- installed on its own track beneath other types of travelling crane
- ideal for use as a workplace crane serving several work stations



## ABUS HB light crane system. You can always extend a really smart system.

An ABUS ZHB double-girder crane handling wall panelling. Crane girder projections ensure improved load support. Power is supplied via a protected conductor system (Bien-Haus)



- Load capacity: up to 2 t max.
- Span: up to 22 m (depending on load capacity)
- Applications: area-coverage and linear point-to-point material handling
- Characteristics: versatile and adaptable, designed for modular extension, wide range of suspensions, low headroom, comprehensive standard and optional equipment



Linear point-to-point handling of vehicle cabs using the ABUS ESB monorail system (Liebherr, Ehingen)



An ABUS EHB single-girder crane ensures optimum material flow on a combine harvester production line (Claas).

ABUS HB is a modular system which allows you to build up a complete tailor-made material handling solution to suit your requirements. The system can be adapted to the conditions and dimensions of almost any application and reliably mounted on a wide variety of different ceilings.

The main advantage of an ABUS HB system is that it can easily be extended and adapted at any time, allowing it to grow with your business.

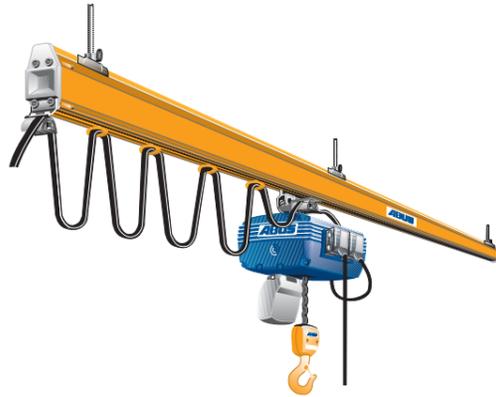
The ABUS ZHB-3 double-girder crane system is ideal when long crane girders are needed, as in this case, for motor caravan production (Euramobil, Spremlingen)



This ABUS ZSB double-rail system makes it easier to lift bulky items into crates (MTF Technik).

## ABUS ESB monorail

for linear point-to-point coverage

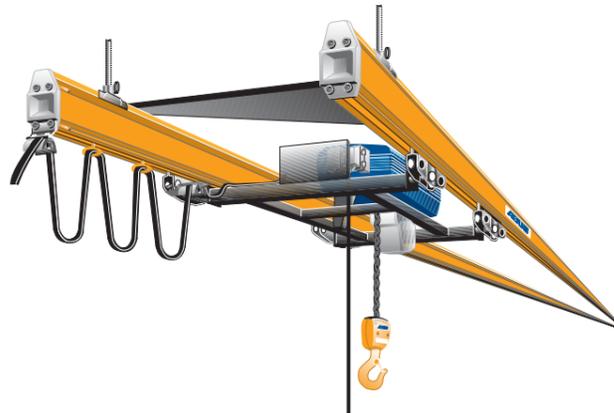


Load capacity: up to 2 t

- curves are possible on the track
- low headroom
- wide suspension spacing
- optional electric hoist travel

## ABUS ZSB double-rail system

for linear point-to-point coverage



Load capacity: up to 2 t

- wide suspension spacing
- chain hoist installed between rails for improved lift height
- optional electric hoist travel
- optional mobile control

## ABUS EHB single-girder crane

for area coverage



Load capacity: up to 1 t  
Crane girder length:  
up to 10 m

- very light crane; ideal for use in lightweight buildings
- easy to move manually
- low headroom
- short end approach dimensions
- wide suspension spacing

## ABUS ZHB double-girder crane

for area coverage

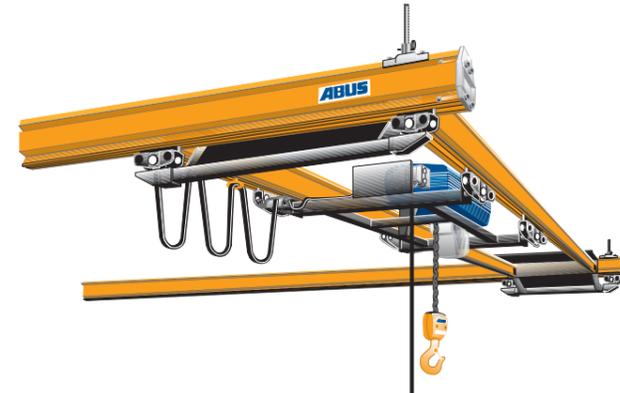


Load capacity: up to 2 t  
Crane girder length:  
up to 12 m

- chain hoist installed between crane girders for improved lift height
- very low headroom
- optional electric long + cross travel
- optional mobile control

## ABUS ZHB-X double-girder crane

for area coverage



Load capacity: up to 2 t  
Crane girder length: up to 8 m

- raised up crane for optimum use of available space
- ultra low headroom
- wide maximum suspension spacing
- optional electric long + cross travel
- optional mobile control

## ABUS ZHB-3 double-girder crane

for area coverage



Load capacity: up to 1.6 t  
Crane girder length:  
up to 22 m

- long crane spans possible
- lower headroom compared with EOT
- wide suspension spacing
- electric long + cross travel
- optional mobile control

## ABUS jib cranes. A sound basis for efficient material handling.

ABUS VS pillar jib crane used for assembling mobile crane and excavator transmissions (Liebherr).



ABUS VS pillar jib crane used for assembling road milling machines (Wirtgen).



ABUS LS pillar jib crane with vacuum lift used for cutting fibreboard (Bien-Haus).

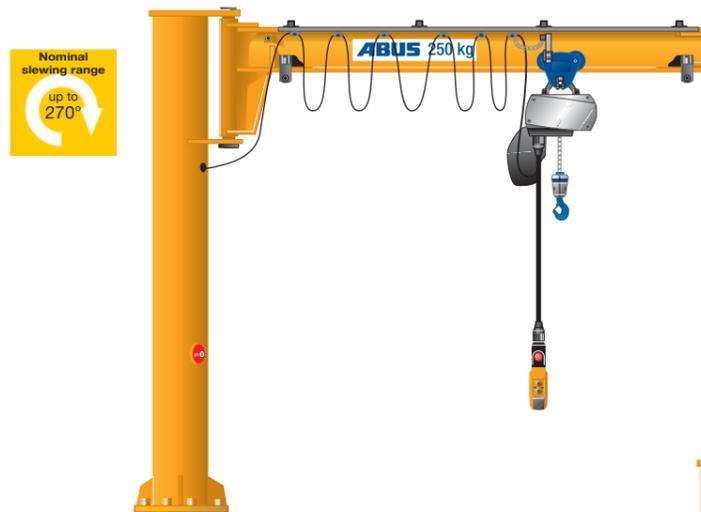


ABUS VS pillar jib crane with electric control of all crane functions used for brewing vat production (Huppmann).

ABUS jib cranes are extremely versatile units which can easily be adapted to the customer's specific requirements. For example, jib cranes can be mounted on floors, walls or existing supports. Electric wire rope or chain hoists are available as options, as are electric hoist travel and electric slewing gear.

- **Load capacity:** up to 6.3 t max.
- **Jib length:** up to approx. 10 m (depending on load capacity)
- **Applications:** swept area coverage
- **Characteristics:** can be installed in any position, slewing range up to 360°, depending on model

## ABUS pillar jib cranes



**Load capacity: up to 0.5 t**  
**Jib length: up to 7 m**

### ABUS LSX pillar jib crane

- smooth-running jib for easy manual operation
- optimal highest hook position
- optional electric hoist travel

**Load capacity: up to 1 t**  
**Jib length: up to 7 m**

### ABUS LS pillar jib crane

- light self weight; can be installed even if floor or foundation conditions are difficult
- almost effortless push trolley travel



**Load capacity: up to 6.3 t**  
(> 4 t with ABUS wire rope hoist)  
**Jib length: up to 10 m**

### ABUS VS pillar jib crane

- low headroom offers optimal highest hook position
- optional electric slewing gear
- optional electric hoist travel
- optional mobile control (standard with wire rope hoists)

The illustration shows a crane with electric slewing gear, electric trolley travel and mobile control.

## ABUS wall jib cranes

**Load capacity: up to 0.5 t**  
**Jib length: up to 7 m**

### ABUS LWX wall jib crane

- smooth-running jib for easy manual operation
- optimal highest hook position
- optional electric trolley travel



**Load capacity: up to 1 t**  
**Jib length: up to 7 m**

### ABUS LW wall jib crane

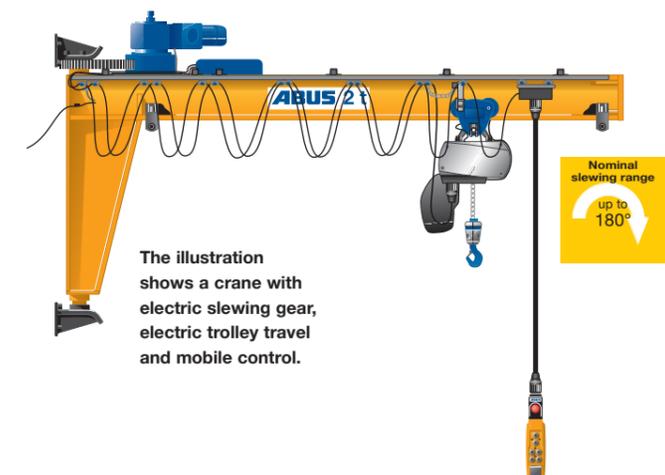
- relatively light weight; can also be installed in lightweight buildings
- trolley very easy to move by hand



**Load capacity: up to 5 t**  
(> 4 t with ABUS wire rope hoist)  
**Jib length: up to 10 m**

### ABUS VW wall jib crane

- low headroom offers optimal highest hook position
- optional electric slewing gear
- optional electric trolley travel
- optional mobile control (standard with wire rope hoists)



The illustration shows a crane with electric slewing gear, electric trolley travel and mobile control.

**ABUS electric wire rope hoists.  
For sensitive handling of heavy loads.**



Four synchronized type E electric wire rope hoists handling loading racks for steel structures (Krähe + Wöhr).



This ABUS type DB electric wire rope hoist has a walkable service platform for even easier maintenance (Rösta).



The ABUS type E electric wire rope hoist: a compact solution for single-girder travelling cranes (Rösta).



This installation benefits from the ultra low headroom design of the ABUS type DQA wire rope hoist (Bien-Haus).

ABUS electric wire rope hoists are the central components of crane systems for handling heavy loads. They feature motors, brakes, transmissions and electrical and electronic systems that have all

been tried and tested over many years of arduous service. Standard precision travel and lifting speeds allow the power and speed available to be dosed precisely. ABUS electric wire rope hoists are also

extremely user friendly, featuring compact design, very easy maintenance and easy plug-in connectors.

- **Load capacity:** up to 100 t max.
- **Characteristics:** favourable dimensions, comprehensive standard and optional equipment

## ABUS electric wire rope hoists for single-girder travelling cranes



Load capacity: up to 12.5 t

### Type E · Single-rail trolley

- compact design
- two direct-driven trolleys without open gears
- trolley can be adapted to different flange widths



Load capacity: up to 10 t

### Type S · Side-mounted trolley

- reeving beside crane bridge for optimum maximum hook height
- can be used on single-girder crane bridges up to 35 m long



Load capacity: up to 25 t

### Type U · Bottom flange trolley

- can also be used on single-rail tracks with normal rolled section girders
- direct-driven trolleys without open gears

## ABUS electric wire rope hoists for double-girder travelling cranes

Load capacity: up to 63 t

### Type D · Double-rail trolley, normal design

- jointed end carriage connection for firm four-wheel contact
- two direct drives for trolley without open gears
- walkable service platform optional



Load capacity: up to 40 t

### Type DQA · Double-rail trolley, low design

- ultra low headroom design
- jointed end carriage connection for firm four-wheel contact
- two direct drives for trolley without open gears



Load capacity: up to 100 t

### Type Z · Double-rail trolley with twin hoist

- with twin hoist
- jointed end carriage connection for firm four-wheel contact
- two direct drives for trolley without open gears
- walkable service platform optional



## ABUS electric chain hoists. Reliable links in the material handling chain.

ABUS GM1 electric chain hoist in continuous service for the final inspection of dishwashers (Bosch Siemens).



The standard precision lifting speed of this ABUS GM3 electric chain hoist allows sensitive lifting and lowering for the watertight testing of yachts (Dehler Yachtbau).

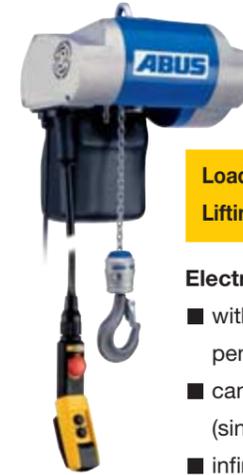


A sturdy work-horse: the ABUS GM5 electric chain hoist (ABUS photograph).

In stationary installations, with push trolleys or electric trolleys, ABUS electric chain hoists have a number of extremely useful, user-oriented advantages. These include a very low headroom design for optimum utilisation of available space, a standard precision lifting speed for sensitive lifting and lowering operations and brake linings with a long service life. Under normal conditions, the unit can complete 1 million full-load braking operations before adjustment is required.

- **Load capacity:** up to 4 t max.
- **Characteristics:** low headroom, dual lifting speeds as standard feature, ready for installation, comprehensive standard and optional equipment

## ABUS electric chain hoists



**Load capacity: up to 200 kg**  
**Lifting speed: up to 12 m/min**

### Electric chain hoist ABUCompact GMC

- with ABUCommander push button pendant as standard equipment
- can be connected to 230 V power socket (single phase)
- infinitely variable lifting speed
- hook path: 3/6/10/20 m
- weight: approx. 10 kg / 12 kg



**Load capacity: up to 2500 kg**

### Electric chain hoist ABUCompact GM6

- with ABUCommander push button pendant as standard equipment
- 2 lifting speeds as standard feature



**Load capacity: up to 630 kg**  
**Lifting speed: up to 20 m/min**

### Electric chain hoist ABUCompact GM2

- with ABUCommander push button pendant as standard equipment
- 2 lifting speeds as standard feature



**Load capacity: up to 1250 kg**

### Electric chain hoist ABUCompact GM4

- with ABUCommander push button pendant as standard equipment
- 2 lifting speeds as standard feature



**Load capacity: up to 4000 kg**  
**Lifting speed: up to 20 m/min**

### Electric chain hoist ABUCompact GM8

- with ABUCommander push button pendant as standard equipment
- 2 lifting speeds as standard feature

**ABUS lightweight mobile gantries.  
Take it where you need it.**



Lifting power where you need it. The ABUS lightweight mobile gantry is the ideal warehouse assistant.

With the ABUS lightweight mobile gantry, you can mobilize the lifting power of an ABUS electric chain hoist. The crane is designed for loads up to two tonnes and features four steerable stop rollers for easy handling. Lifting power is always available where you need it. Depending on the load capacity required, the maximum overall width is up to 7.9 m and the maximum overall height up to 5 m. If necessary, the ABUS lightweight mobile gantry is also easy to dismantle.

- **Load capacity:** up to 2 t max.
- **Applications:** mobile
- **Characteristics:** easy to move and dismantle, with four steerable stop rollers (two with 90° direction locks)

**ABUS lightweight mobile gantry.**



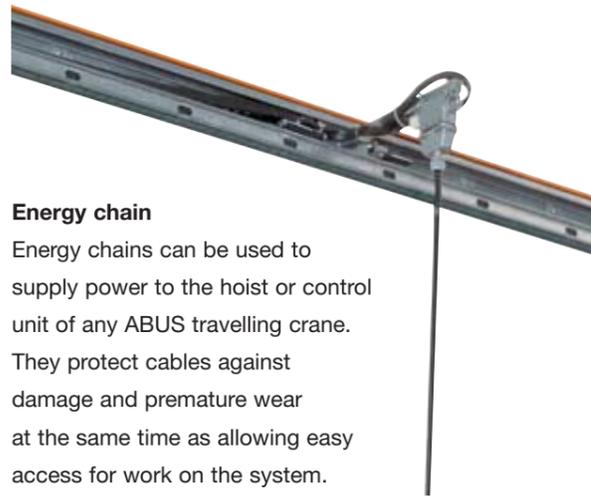
Load capacity: up to 2 t  
Height: up to 5 m  
Width: up to 7.9 m

**ABUS LPK lightweight mobile gantry.**

- with 4 steerable stop rollers (2 with 90° direction locks)
- can be used with any ABUS electric chain hoist
- mobile control optional

## Anything else you need? The ABUS accessories range.

With the accessories in the ABUS range, you can tailor an ABUS crane to meet your specific requirements. The equipment available, ranging from energy chains and radio remote controls to lighting and load measurement systems, should be sufficient to meet all your needs.



### Energy chain

Energy chains can be used to supply power to the hoist or control unit of any ABUS travelling crane. They protect cables against damage and premature wear at the same time as allowing easy access for work on the system. They also help you save space and cut costs, as complex cable mounting systems are no longer required.



### Crane lighting

Halogen spotlights, high-pressure sodium vapour (NAV) and high-pressure halogen metal vapour lamps are available for lighting the working area under the crane. The 750 W halogen spotlights feature a housing made from aluminium sheet and diecast aluminium. The two other lamps, each rated 400 W, are equipped with a galvanized steel housing.



### Radio remote control

Radio remote controls give crane operators greater freedom of movement, allowing them to choose the position which gives the best view of their working area and effectively saving time. ABUS offers radio remote controls with joy stick or a compact transmitter. ABUS radio remote controls are also suitable for multiuser operation, with parallel access to several cranes.



GLZ large load display

### Load measurement systems

ABUControl: a universal load measurement and evaluation system that measures the voltage and current on all three phase conductors of the hoist motor. Functions integrated include: overload protection (LIS-SE), load display in the push button pendant and load population recorder.



LIS-SV: this load indicator system offers all the functions of the LIS-SE system, but uses load measurement sensors in addition to motor current measurements. This system is an attractive proposition for systems with several hoists where the overall total load of all hoists needs to be limited. This system increases measurement accuracy. The load can be indicated either on the display in the pendant control or on a large load display.

### ABUS cross-type limit switches

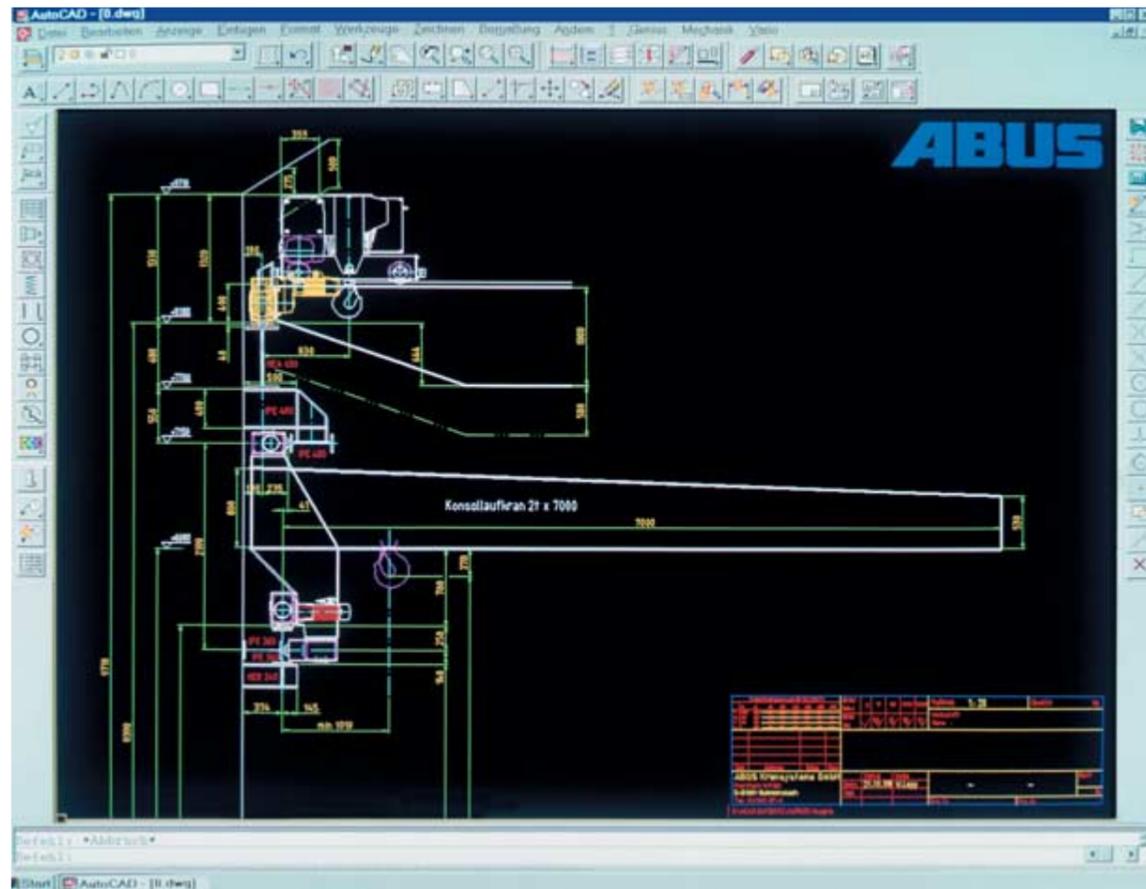
limit long travel and cross travel, automatically slowing or stopping the crane or the hoist at the end of the track. These limit switches may also be applied for crane zoning if it is necessary to divert a hoist on a crane around a prohibited area. The switch is operated by a switching lug installed on the crane track or on the crane bridge.



### Anti-collision devices

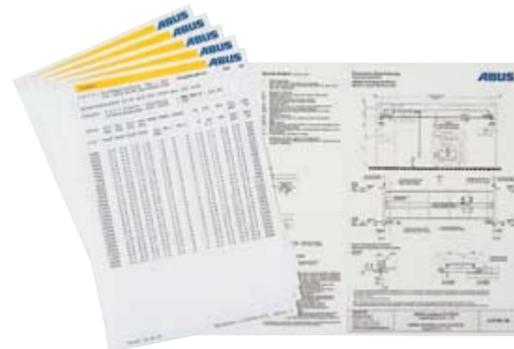
The ABUS anti-collision device incorporates a photoelectric distance measurement system which prevents accidental collision. Automatic switchover to a lower speed as the two hoists approach each other is a standard feature. A shut-down function can be incorporated. ABUS can also supply collision prevention devices designed to maintain a specified minimum spacing and other special designs.

**Good design is a matter of detail.  
Good service too.**



Precise and reliable right down to the last detail. Computer-aided design systems give a clear overview at all stages in the project.

Comprehensive and reliable: each proposal includes thoroughly prepared technical documentation.



Comprehensive advice, consistently applied, lays a solid foundation for the design of any crane system. Our computer-aided design team uses a continuous database for all stages from initial stocktaking through to planning and design. The result is a proposal with full technical documentation precisely in accordance with your requirements. Our proposals form a reliable basis for your decision to purchase a modern, high-performance indoor crane system.

**ABUS Service is a standard feature of ABUS quality.**



The ABUS all-inclusive service package offers greater safety and helps save costs. Apart from regular servicing, the package includes a number of other services which would normally result in additional cost. In addition, early diagnosis and regular maintenance by trained ABUS service staff systematically improve the availability of your crane system. ABUS service packages are also available for cranes and hoists produced by other companies.

- ABUS representatives in more than 40 countries
- Express spare parts delivery

# FAX FORM

## Please send me further information:

Just copy this fax form,  
complete it and return it to us.

**Fax Number**  
**61 (0) 8 9378 3689**

- |  |   |
|--|---|
| <input type="checkbox"/> ABUS component catalogue          | <input type="checkbox"/> ABUS wire rope hoist information           |
| <input type="checkbox"/> ABUS travelling crane information | <input type="checkbox"/> ABUS chain hoist information "ABUCompact"  |
| <input type="checkbox"/> ABUS jib crane information        | <input type="checkbox"/> "ABUPowerline" information                 |
| <input type="checkbox"/> ABUS HB system information        | <input type="checkbox"/> ABUS lightweight mobile gantry information |

Please arrange a personal meeting. I would like to propose the following date.

\_\_\_\_\_

**Name:** \_\_\_\_\_

**Company:** \_\_\_\_\_

**PO Box/adress:** \_\_\_\_\_

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**Phone/extension:** \_\_\_\_\_

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