

# WHICH PATH IS THE RIGHT ONE?



DECISION-MAKING  
MADE EASY.



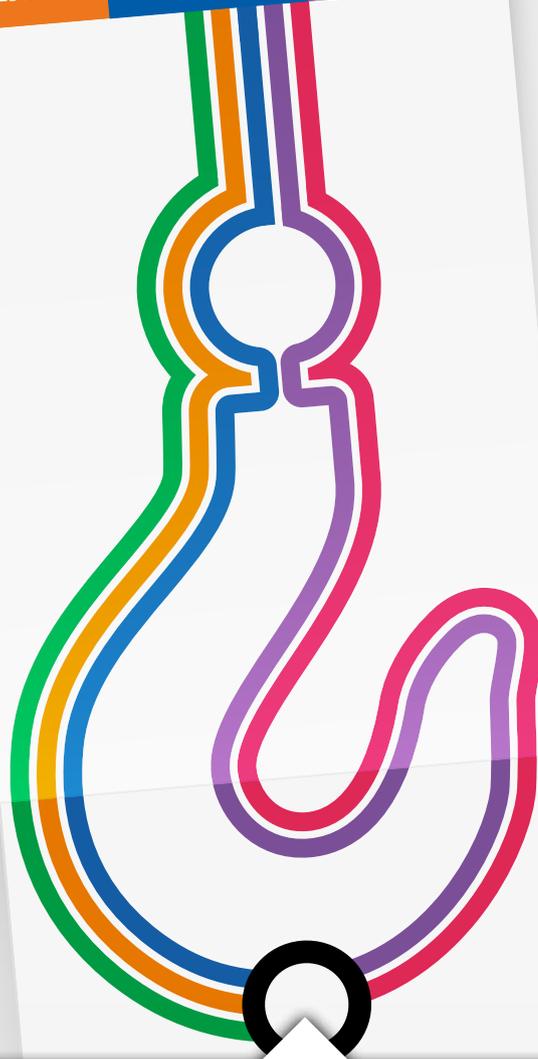
MODULARITY

FLEXIBILITY

POWER

QUALITY

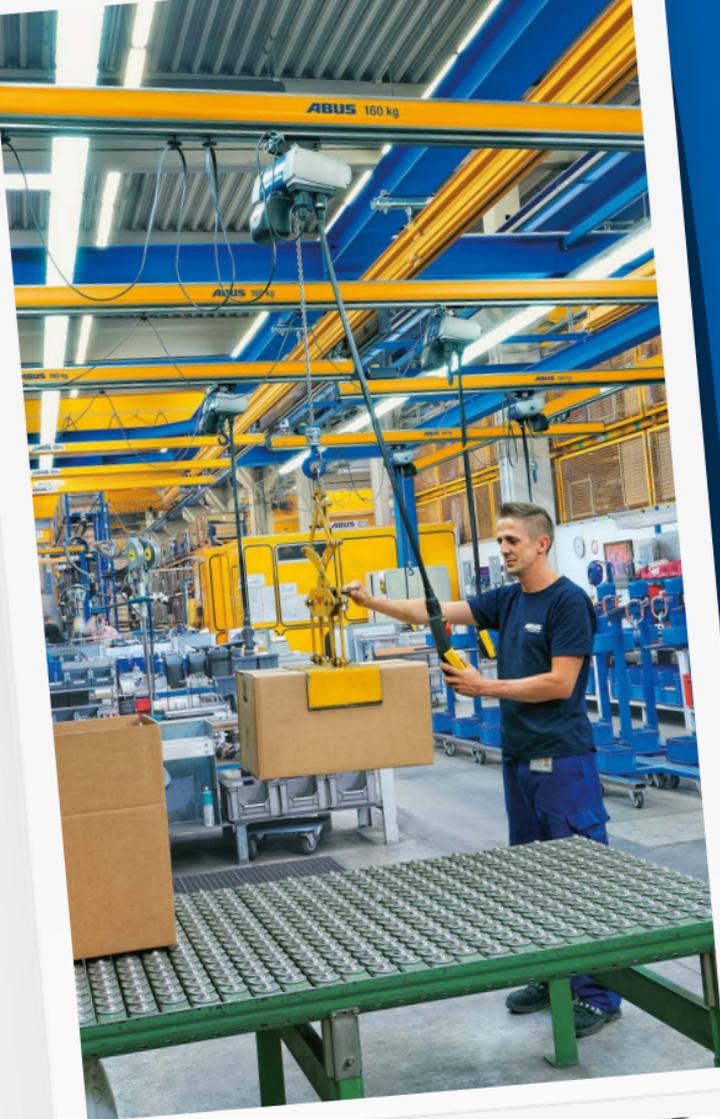
RELIABILITY



THE INDIVIDUAL CRANE SOLUTION  
THAT BRINGS IT ALL TOGETHER!

**THE NEW HB SYSTEM  
FROM ABUS**

**ABUS**

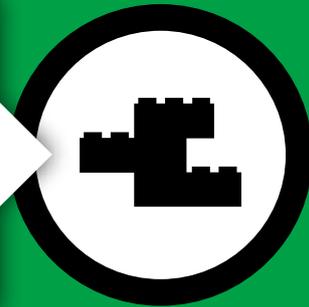


## **VARIETY WITHIN A SYSTEM**

The new HB system combines all the features to meet your special requirements for lifting and transporting loads, now even more individually and effectively.

# MODULARITY.

CLEARING THE WAY FOR YOUR IDEAS!

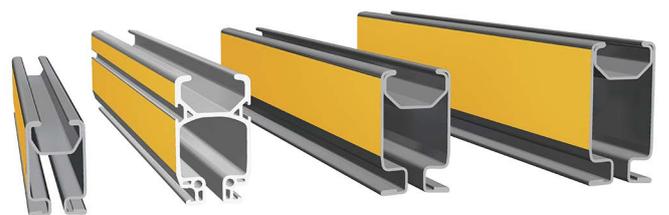


The HB modular system for putting together a crane solution that is perfectly tailored to your needs now offers you an even greater selection. Whether for smaller loads, lower installation heights or crane girders with a lighter self weight – ABUS has a comprehensive range of systems in stock to suit your individual application.

## ONE SYSTEM, MANY OPTIONS

Whether single-girder crane or monorail track, the new HB system is geared entirely toward your individual performance requirements and available space.

- A** The new HB profiles
- B** Monorail track
- C** Single-girder crane EHB



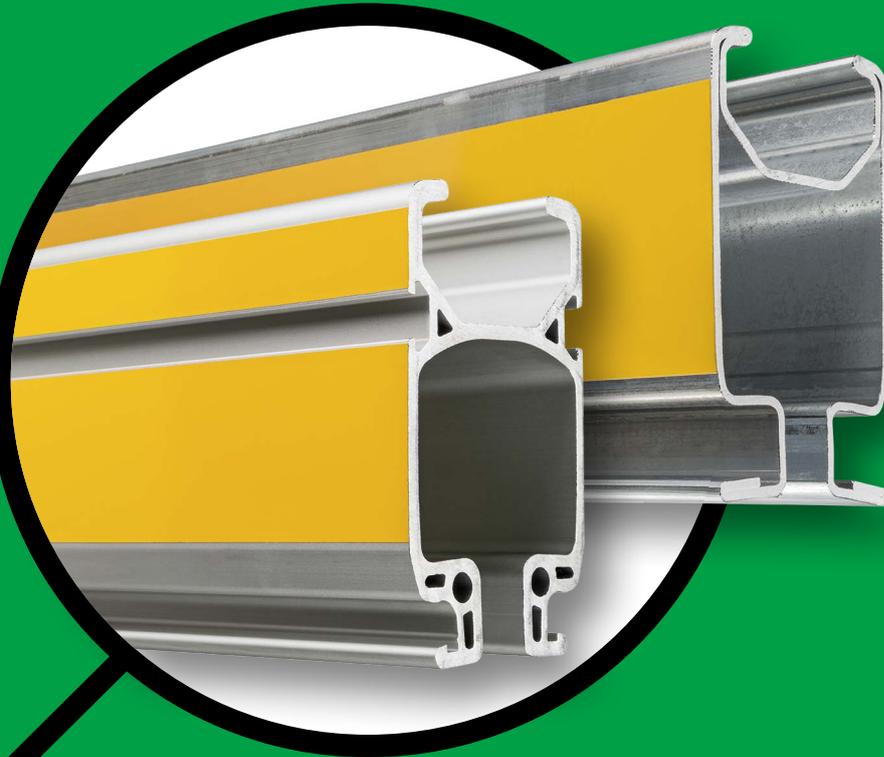
HB110S

HB150A

HB150S

HB190S

**A**

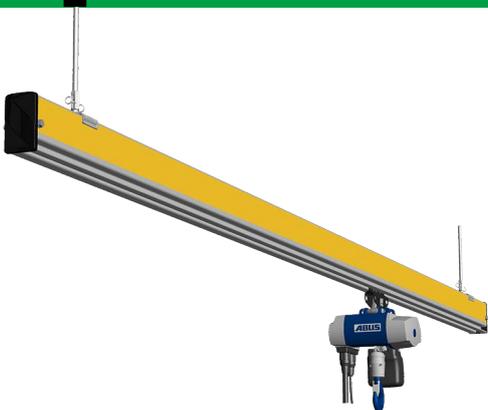


## NEW ADDITION TO THE PRODUCT LINE: THE ABUS ALUMINIUM PROFILE

In the new HB system, ABUS is for the first time also introducing an aluminium profile to the product range: the aluminium profile HB150A. This product is especially suitable for crane bridges which are primarily moved by hand. The low self weight, smooth motion and fast positioning ability means improved workplace efficiency.

## NEW STEEL PROFILES WITH SMALLER PROFILE HEIGHTS

The new steel profiles are the load-bearing building blocks of the new HB system. With the profiles HB150S and HB190S, ABUS has optimised the overall heights and increased the capacity. The smaller installation dimensions provide benefits particularly in buildings with low ceilings, meaning greater achievable lifting heights in such spaces. In addition, ABUS is expanding its profile line with a new size for loads up to 500 kg: the small profile HB110S. The ideal and inexpensive choice for small loads with particularly low ceilings.



**B**



**C**



STEEL

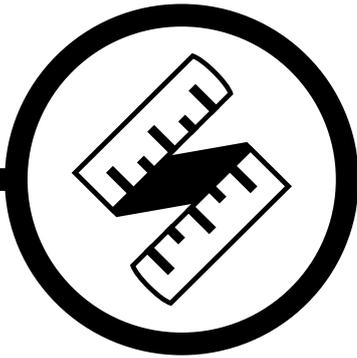
ALUMINIUM

# **FLEXIBILITY.**

YOU DECIDE WHERE THINGS ARE GOING.

Whether in planning, development, conversion or subsequent expansion of the installation – the profile lengths are completely independent of the suspension points with the new HB system. The same goes for the location of the joints.

Even for a profile combination of heavy-duty steel crane tracks and lightweight cranes of aluminium – all options are available.



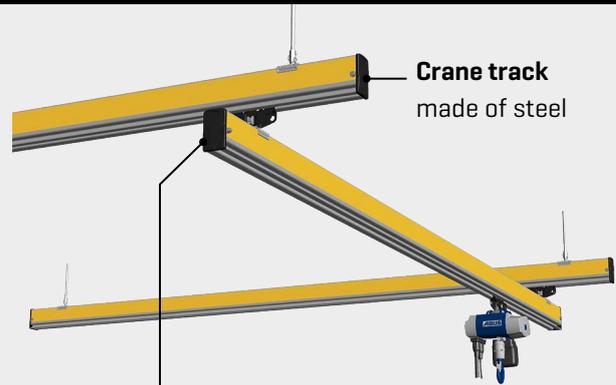
## NOT DEPENDENT ON PROFILE JOINT POSITION

The rigid and fully load-bearing joint connection of the steel profile makes the position of the joints completely independent of the statically required crane track suspension positions. This enables free selection of the lengths of the individual crane and track profiles – which is of particular benefit when the installation must undergo expansion or conversion. The connection of the respective joint faces requires only a clean, exact cut of a saw. Further processing steps are not necessary.

## COMBINATION POSSIBILITIES

The crane girder suspensions for the new steel and aluminium profiles are identical. This reduces the number of parts and provides flexibility when modifying and extending.

For the first time HB systems can now be configured with cranes made of steel or aluminium. Existing systems can also easily be retro-fitted with new HB-System crane bridges.



Crane track made of steel

Crane consisting of:

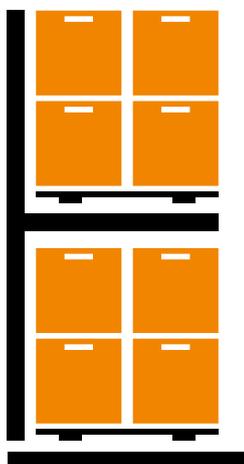


Steel

or



Aluminium



## OFF THE SHELF DELIVERY

Free selection of profile lengths allows the pre-stocking of fixed lengths of track. This enables direct delivery capacity of basic components from stock.



## PROFILE LOAD-BEARING

 **New HB profiles**  **Current HB profiles**

For standard versions: Crane with 5-metre track width



Comparison of the new HB190S profile and the current HB200 profile



Comparison of the new HB150S profile and the current HB160 profile

**HB150A**  250 kg

**HB110S**  200 kg

Profile sizes additionally provided by the new HB system

### Maximum possible load capacities of the new profiles as EHB crane girders



### STRONGER PROFILE JOINT

The new rigid joint connections are just as tough as the profile itself. This frees you from the previous statically mandatory distances for the suspension and reduces the number of profile joints.



### STRONGER PROFILES

The new steel profiles HB150S and HB190S are considerably stronger and thus enable higher load capacities and greater distances between suspensions with smaller overall heights.

# POWER.

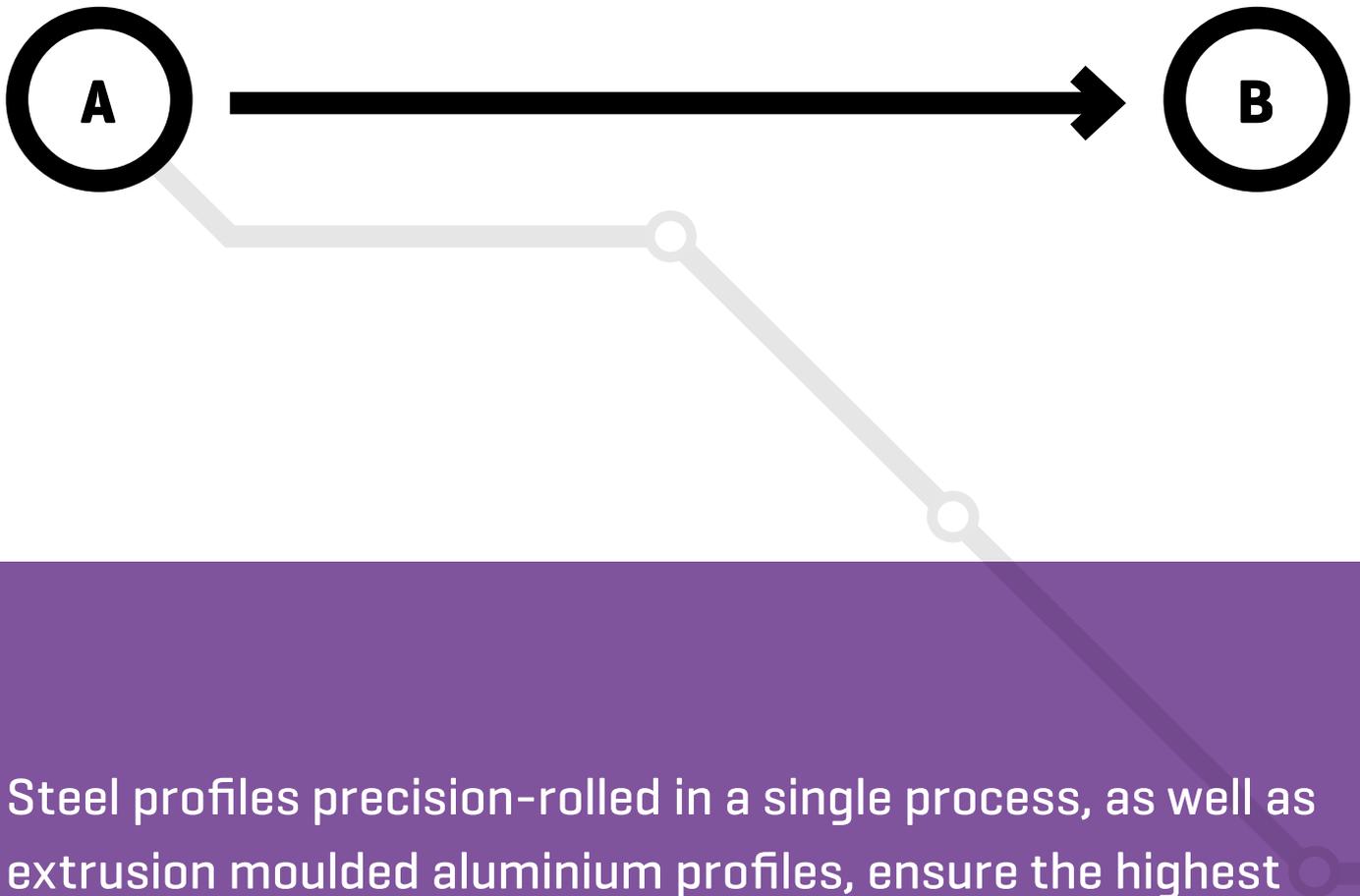
THE ABILITY TO MOVE MORE.



More power, less expense: In the end, it's the performance of the profile that determines the price of the crane installation. The higher capacity of the new HB steel profiles allows you to put off switching to the next profile size. This saves you the necessary suspensions and associated costs as load capacity increases.

# QUALITY.

GETTING FROM A TO B EASIER.



Steel profiles precision-rolled in a single process, as well as extrusion moulded aluminium profiles, ensure the highest quality running surface and smooth system operation. Even exceptional operating conditions such as humidity, slightly corrosive environments or clean-room requirements pose no great challenge for the galvanised or anodised profiles.



## SPECIAL PROFILE MANUFACTURE

The new HB steel profiles are manufactured in a single rolling process, in other words, they are made all of one piece. The precision that is thereby achieved ensures an optimal travel gap geometry and the highest quality running surface, such as previously only seen in aluminium profiles. Travel of crane bridges between the various working positions is thus made considerably easier and occurs with clearly less energy expenditure.

## SPECIALLY PROTECTED SURFACE

The new HB steel profiles are all galvanised. This provides high-quality corrosion protection both inside and out, making an additional paint coat unnecessary. The special toughness of the surfaces not only facilitates transport and long-term conservation of the material quality, but also enables application in additional areas: moist environments, slightly corrosive environments and rooms subject to clean-room requirements.

## SPECIAL COLOURATION

The new HB profiles still come in the familiar "ABUS yellow". However, instead of being completely painted all around, they are now laminated with a high-quality coloured foil on the sides. This protects the environment as well as enabling short delivery times. Additional benefit: Travel gap, running surfaces, profile head and profile underside are all paint-free. Paint abrasion due to the trolley or paint damage on the top or underside due to transport and storage are thus a thing of the past.

# RELIABILITY.

MOVING BETTER OVER THE LONG TERM.



## DURABLE AND RELIABLE

The new HB trolleys are optimised for the new HB150 and HB190S profiles. The HB110S profile is available with a smaller and even lighter trolley. All trolleys have smooth-running and low-wear plastic rollers. The trolley bolts are secured with the proven clip-lock. Profile end cover, travel limiter and holder for the cable anchor now make up a functional unit: This reduces the number of components and the installation work required. A lock nut provides simple and secure fastening.



## SUSPENSION INSERTABLE FROM ABOVE

The new, rubber-mounted suspension can be inserted in the profile head from above. This minimises the installation work, particularly for extensions and load increases of existing installations as well as for servicing. The specially designed shape ensures it cannot self-release under load. All components for height adjustment are secured with clearly visible spring pins. The heavy-duty, patented rubber mounting is wear-free and ensures the suspension requires practically no servicing. In addition, it has a vibration-damping effect and reduces swaying of the installation.

ABUS crane systems have traditionally stood for reliability – the HB system is no exception: easy to assemble from the outset and simple to maintain for the life of the installation. Quality that delivers what it promises. Now announcing the systematic continuation of three decades of suspension track expertise.



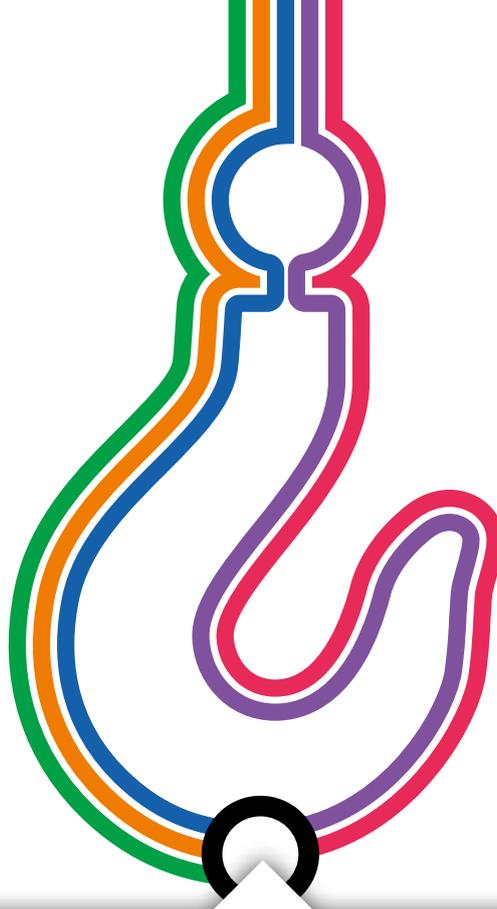
### **EASIER TO MOVE**

The crane girder suspension has an innovative rubber-mounted design. The innovative mounting of all suspensions makes working with the new HB system even easier: The force required to travel over the crane bridges is noticeably reduced.



### **ONE STOP SOLUTION**

The ABUCompact ideally completes the system range: Crane installation and electric chain hoist are made by the same company and are thus perfectly matched. For the highest reliability over the lifespan of the installation.



**GOAL ACHIEVED.**

YOUR NEW CRANE SOLUTION.

We will gladly assist and advise you throughout the entire process of configuration your bespoke HB system! Contact us at:

ABUS Kransysteme GmbH

Phone +49 2261 37-0

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# ABUS HB SYSTEM - PRODUCT RANGE

Movement	Design	Illustration	Capacity	Max. crane girder length	Profile
Linear transport	<b>Monorail track</b>		to 2.000 kg	-	HB110S HB150S HB190S HB250
			<b>Double-rail track</b>		to 2.000 kg
Comprehensive transport	<b>Single-girder crane EHB</b>				to 500 kg
			800 kg	9,7 m	
			1.000 kg	8,8 m	
			1.250 kg	5,1 m	
	<b>Single-girder crane EHB-X</b> [stooled up crane]		to 500 kg	8,0 m	
			800 kg	8,0 m	
			1.000 kg	7,0 m	
	<b>Single-girder crane EHB-I</b> [on crane track made of rolled profiles]		to 500 kg	10,0 m	
			800 kg	10,0 m	
			1.000 kg	8,0 m	
	<b>Double-girder crane ZHB</b>		to 1.000 kg	12,0 m	HB160 HB200 HB250
			1.600 kg	9,5 m	
			2.000 kg	8,0 m	
			to 1.000 kg	8,0 m	
1.600 kg			7,0 m		
2.000 kg			6,0 m		
<b>Double-girder crane ZHB-X</b> [stooled up crane]		to 1.000 kg	8,0 m		
		1.600 kg	7,0 m		
		2.000 kg	6,0 m		
<b>Double-girder crane ZHB-I</b> [on crane track made of rolled profiles]		to 1.000 kg	12,0 m		
		1.600 kg	9,5 m		
		2.000 kg	8,0 m		
<b>Double-girder crane ZHB-3</b> [crane on three-track runways]		to 250 kg	22,0 m		
		500 kg	21,0 m		
		800 kg	21,0 m		
			1.000 kg	15,0 m	

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