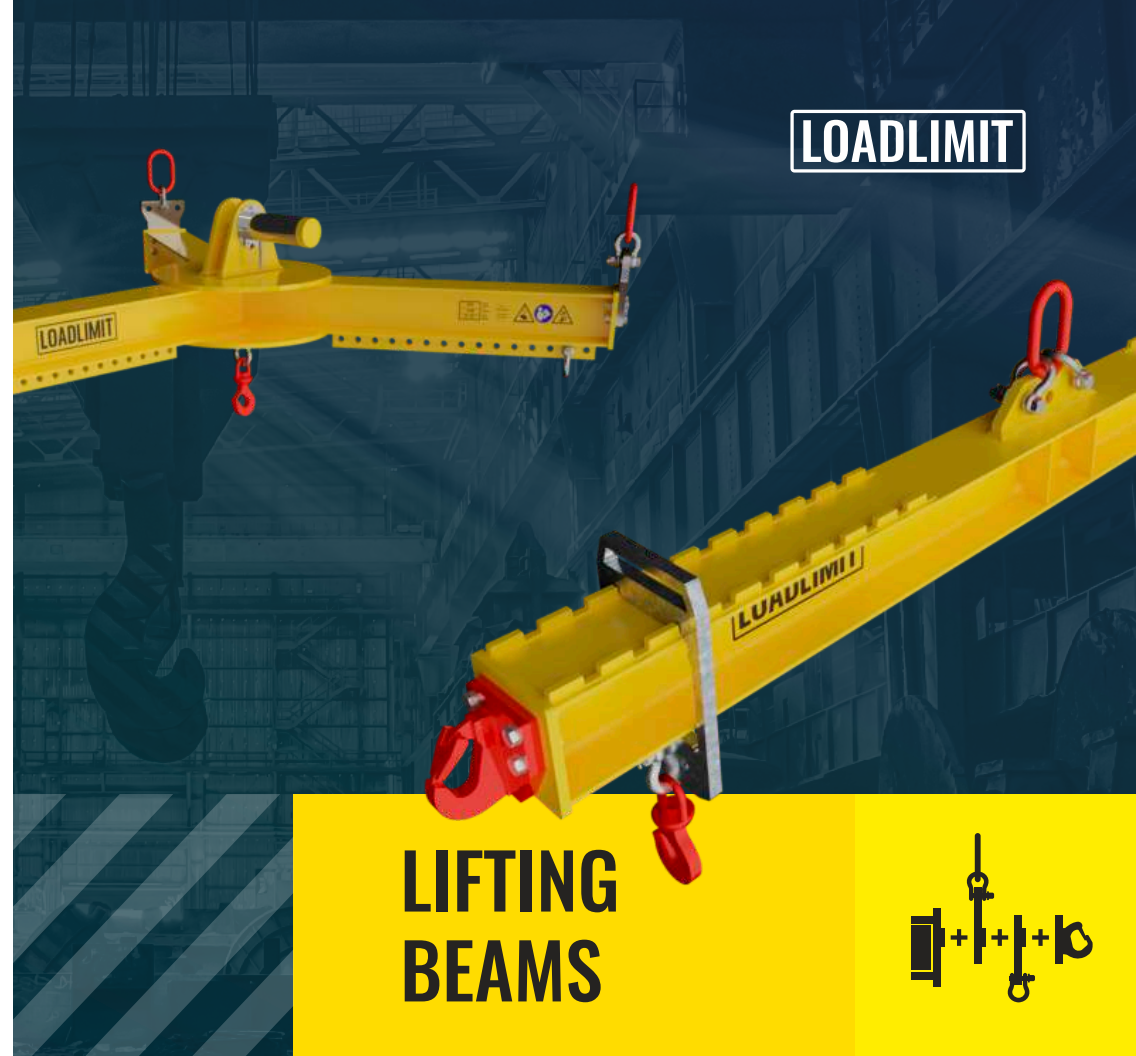
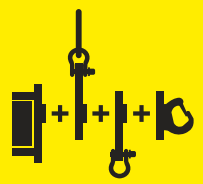


**LOADLIMIT**



# LIFTING BEAMS



- TBX** Linear lifting beam
- TSX** Star lifting beam
- TKX** Cross lifting beam
- TMX** Multi-purpose lifting beam
- THX** H-shaped lifting beam
- TLX** Long-hook lifting beam

“

LOADLIMIT® represents safe, high-quality and sustainable lifting technology made in Germany.

## Lifting beams with the X

Suitable for every application

Lifting beams allow loads to be lifted safely and stably by crane. There are different designs for different areas of application. However, such lifting beams are often not as flexible as required when the application conditions change.

LOADLIMIT® supplies crane lifting beams that can be equipped with different components for crane and load attachment.

**Thanks to the innovative X-adapters on LOADLIMIT® lifting beams, the configuration of the load handling device can be changed at any time by mounting components for the crane or load stop.**

The standardised and repeatedly tested extension parts can also be added later.

Crane beams from LOADLIMIT® are "Made in Germany" and make a contribution to the responsible and sustainable use of resources thanks to the high standards of quality and safety.

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# The **X** makes the difference

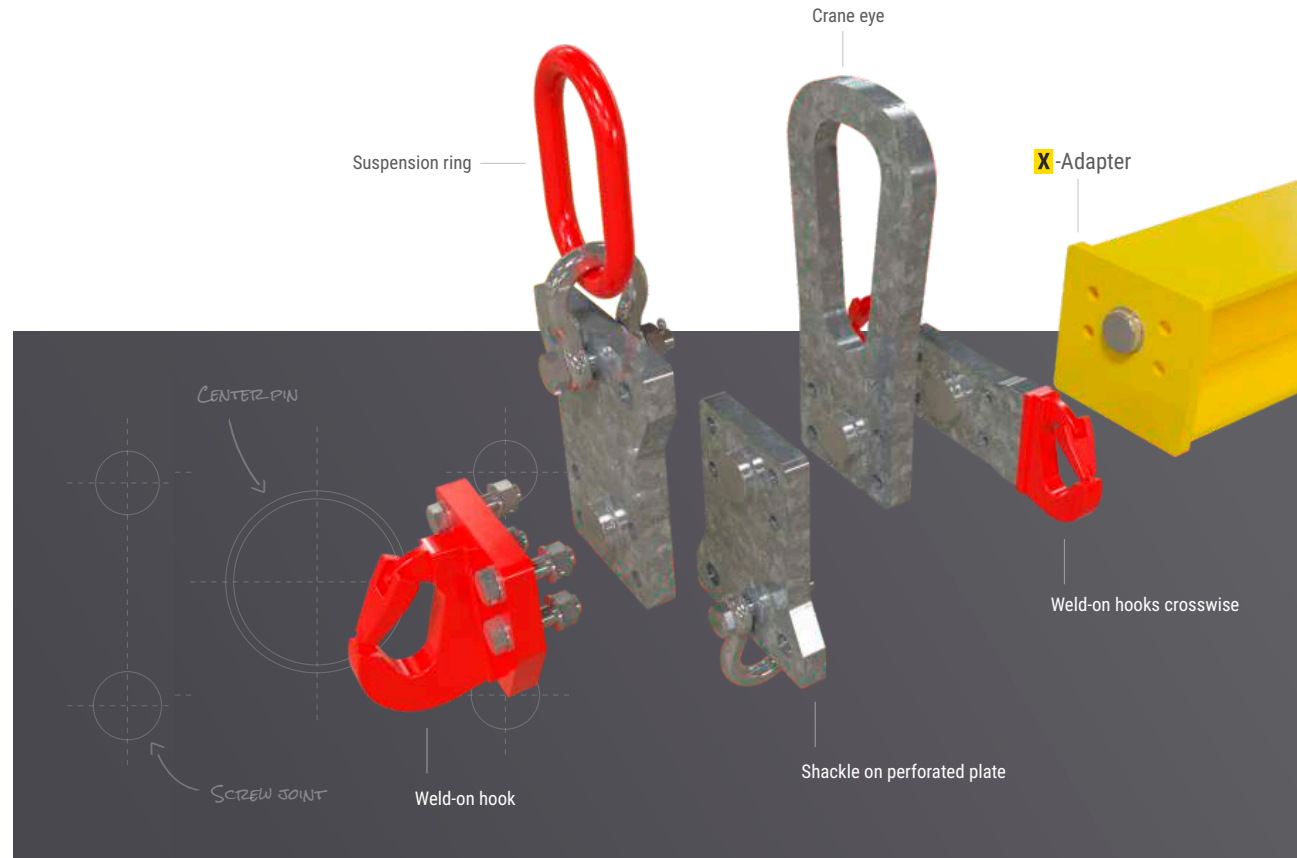
Extensions - innovative and flexible



The patented X-adapter at the ends of the crossbars allows up to three extension parts to be attached at the same time, with which you can change and extend the scope of use at any time.

Possible are weld-on hooks, a perforated plate e.g. for shackles or additional crane eyes for use with two cranes. Due to the standardisation, you can exchange or combine the parts at any time and upgrade your spreader beam later.

The extension components are secured by four screws. The adapter guarantees a precise fit and supports the transmission of forces to the spreader beam.



## ■ STANDARD

Uniform system enables simple and custom-fit expansion

## ■ VARIABILITY

Various possibilities through the combination of different add-on parts

## ■ SECURITY

Intensively tested extension parts guarantee high safety

## ■ FLEXIBILITY

Adaptation and upgrading are possible at any time

# Crane stop

Options for crane attachment

LOADLIMIT® cross beams offer various options for the crane attachment.

There are seven options to choose from for the central crane stop: Shackles - single or double, suspension rings - for single or double hooks, rigid or movable bolts as well as the classic crane eye.

Additionally or alternatively, our lifting beams are available with a chain hanger with shortening hooks.

By using extension parts on the beam ends, you can equip the lifting beam with additional crane eyes, bolts or suspension rings for multi-crane operation.

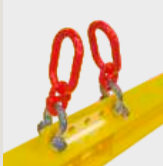
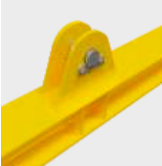
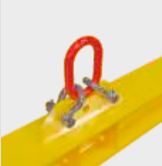
For use or transport of the lifting beams with a forklift truck, our lifting beams are equipped with stacker mounts, available in 3 sizes.



Crane stop



Extension



Chain suspension



Forklift mount



# Load stop

Options for load attachment



The requirements for the load-bearing points of a lifting beam can be very specific. With our delivery spectrum, we cover a wide range of applications.

For the primary load suspension, we offer standard swivel hooks with fixed gripping width, alternatively swivel hooks with adjustment brackets for adjusting the gripping width (optionally with lateral weld-on hooks) or perforated rails with shackles.

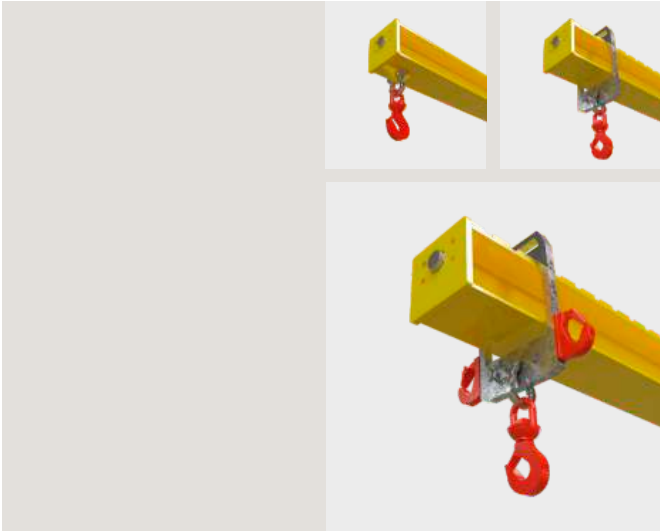
For flexible extension of the application options, screw-on parts for the beam ends are available: Perforated plate with shackle, one weld-on hook or two weld-on hooks mounted crosswise.

In addition, many models are available with centre hooks for the full load capacity or one third of the main load capacity.

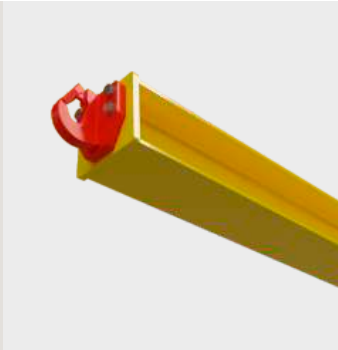
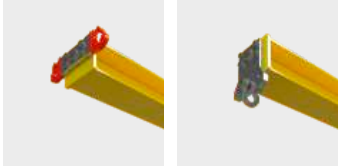
The realisation of your individual requirements is possible on request.



Load stop



Extension



Center hook



# Parking & Storage

Solutions for the safe storage of trusses

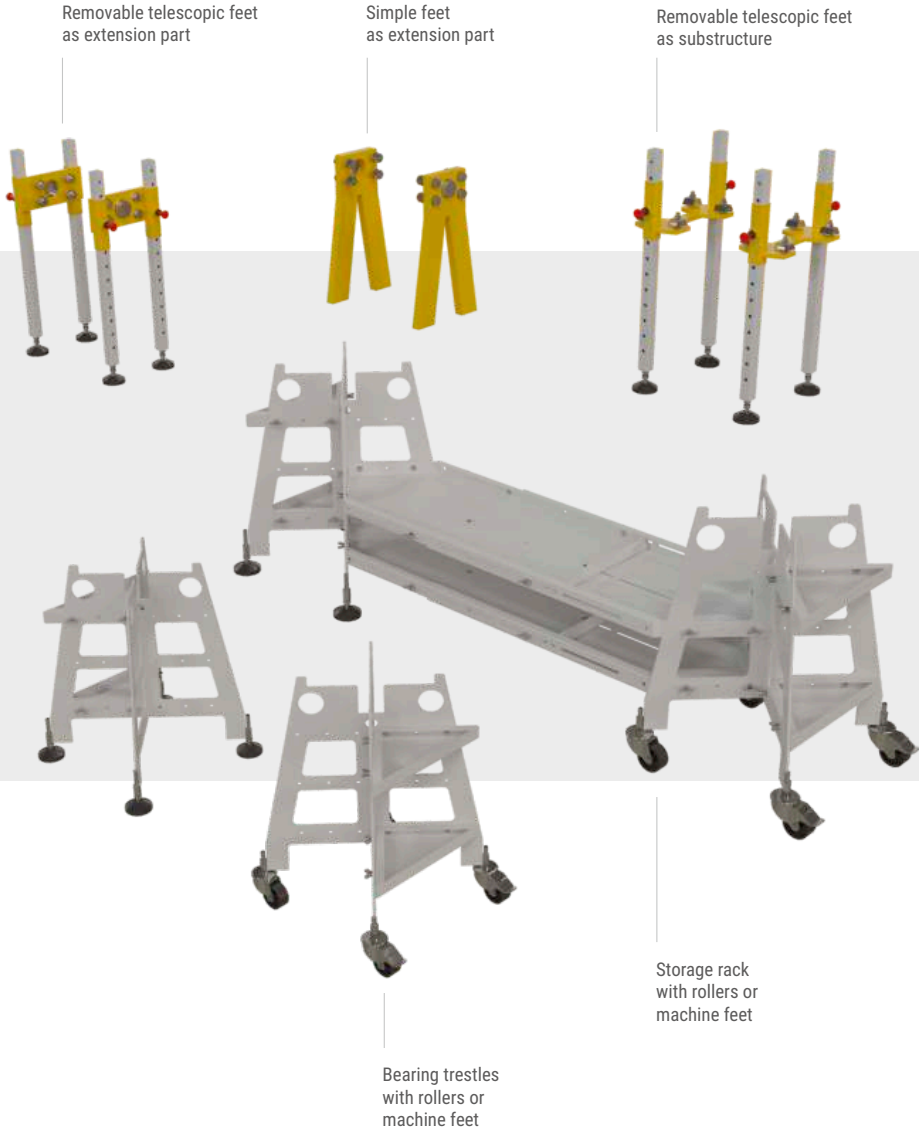
We offer various parking solutions to store lifting beams safely and to avoid damage and injuries.

Depending on the type and equipment, three different options are available:

The telescopic feet allow height adjustment and can be easily removed if necessary.

The storage trestles, equipped with machine feet or rollers, remain on the floor.

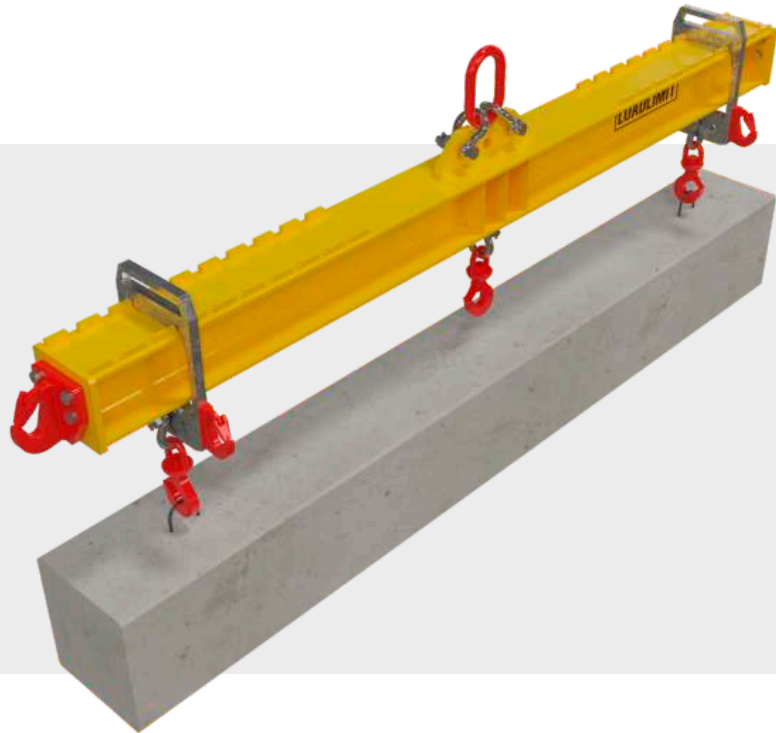
The storage rack consists of two storage trestles connected by useful shelves for storing attachments or slings.





## TBX Linear lifting beam

Load capacity up to 30,000 kg | Gripping width up to 8 m



### CRANE STOP

The crane is attached using a weld-on eye, fixed or plug-in bolt, shackle or ring suspension or the optional 2-strand chain hanger.

### LOAD STOP

On the load side, the primary stop is made via fixed or adjustable swivel hooks or perforated rails. A centre hook is available as an option.

### EXTENSION

To extend the range of applications, up to three bolt-on parts for the crane or load stop can be mounted per beam end.

### STORAGE

Removable telescopic feet, storage trestles or racks (optionally with rollers), ensure a secure stand and prevent soiling.

### FORKLIFT MOUNT

With the help of the forklift mounts, you can also transport the crossbar with the forklift or use it to pick up loads.



LOAD CAPACITY  
1.000 to 30.000 kg



CRANE STOP  
Eye, Rings, Bolts, ...



LOAD STOP  
Hooks, perforated rail, ...



GRIPPING WIDTH  
1.000 to 8.000 mm



CHAIN SUSPENSION  
2-strand chain



CENTER HOOK  
1/3 or full load



STORAGE  
Trestles or feet



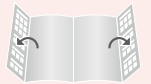
EXTENSION  
3 parts per mount



FORKLIFT MOUNT  
3 sizes available



Overview of  
the equipment  
in the cover





## TSX Star lifting beam

Load capacity up to 30,000 kg | Gripping diameter up to 8 m



### CRANE STOP

The crane is attached using a weld-on eye, fixed or plug-in bolt, shackle or ring suspension or the optional 3-strand chain hanger.

### LOAD STOP

On the load side, the primary stop is made via fixed or adjustable swivel hooks or perforated rails. A centre hook is available as an option.

### EXTENSION

To extend the range of applications, up to three bolt-on parts for the crane or load stop can be mounted per beam end.

### STORAGE

Removable telescopic feet, storage trestles or racks (optionally with rollers), ensure a secure stand and prevent soiling.



LOAD CAPACITY  
1.000 to 30.000 kg



CRANE STOP  
Eye, Rings, Bolts, ...



LOAD STOP  
Hooks, perforated rail, ...



GRIPPING DIAMETER  
1.000 to 8.000 mm



CHAIN SUSPENSION  
3-strand chain



CENTER HOOK  
1/3 or full load



STORAGE  
Trestles or feet



EXTENSION  
3 parts per mount



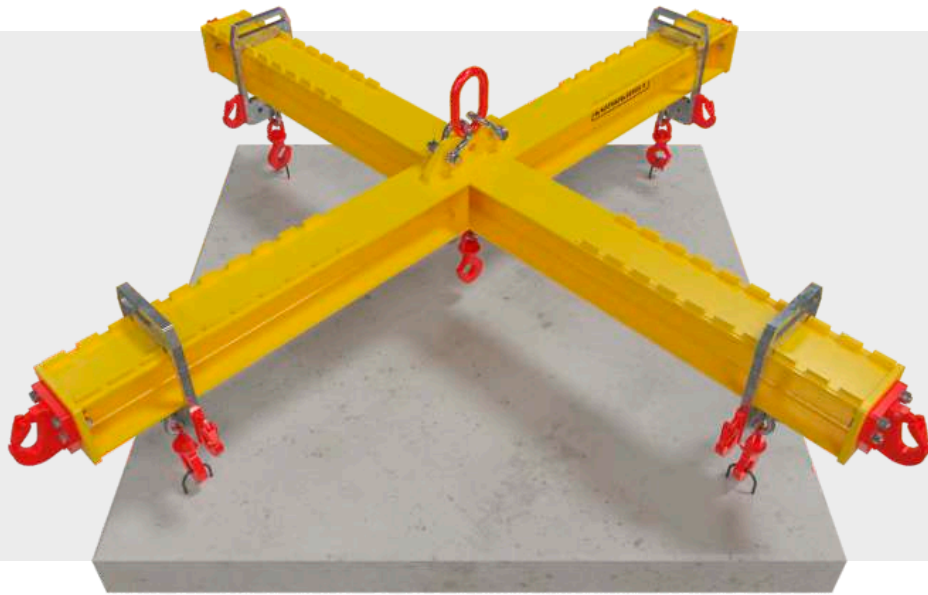
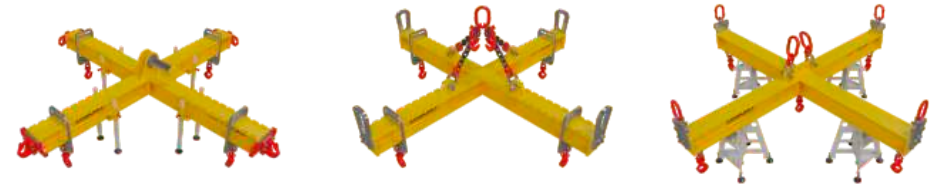
FORKLIFT MOUNT  
Not available





## TKX Cross lifting beam

Load capacity up to 30,000 kg | Gripping range up to 8 x 8 m



LOAD CAPACITY  
1.000 to 30.000 kg



CRANE STOP  
Eye, Rings, Bolts, ...



LOAD STOP  
Hooks, perforated rail, ...



GRIPPING RANGE  
1.000 to 8.000 mm



CHAIN SUSPENSION  
4-strand chain



CENTER HOOK  
1/3 or full load



STORAGE  
Trestles or feet



EXTENSION  
3 parts per mount



FORKLIFT MOUNT  
3 sizes available

### CRANE STOP

The crane is attached using a weld-on eye, fixed or plug-in bolt, shackle or ring suspension or the optional 4-strand chain hanger.

### LOAD STOP

On the load side, the primary stop is made via fixed or adjustable swivel hooks or perforated rails. A centre hook is available as an option.

### EXTENSION

To extend the range of applications, up to three bolt-on parts for the crane or load stop can be mounted per beam end.

### STORAGE

Removable telescopic feet, storage trestles or racks (optionally with rollers), ensure a secure stand and prevent soiling.

### FORKLIFT MOUNT

With the help of the forklift mounts, you can also transport the crossbar with the forklift or use it to pick up loads.





## TMX Multi-purpose lifting beam

Load capacity up to 30,000 kg | Diameter up to 8 m | Variable number of arms

Number of arms variable



### NUMBER OF ARMS VARIABLE

This lifting beam can perform all the tasks of regular beam, star and cross lifting beams by simply converting the arms.

### CRANE STOP

The crane is attached using a weld-on eye, fixed or plug-in bolt, shackle or ring suspension or the optional 2/3/4-strand chain hanger.

### LOAD STOP

On the load side, the primary stop is made via fixed or adjustable swivel hooks or perforated rails. A centre hook is available as an option.

### EXTENSION

To extend the range of applications, up to three bolt-on parts for the crane or load stop can be mounted per beam end.

### STORAGE

Removable telescopic feet, storage trestles or racks (optionally with rollers), ensure a secure stand and prevent soiling.



LOAD CAPACITY  
1.000 to 30.000 kg



CRANE STOP  
Eye, Rings, Bolts, ...



LOAD STOP  
Hooks, perforated rail, ...



GRIPPING DIAMETER  
1.000 to 8.000 mm



CHAIN SUSPENSION  
2/3/4-strand chain



CENTER HOOK  
1/3 or full load



STORAGE  
Trestles or feet



EXTENSION  
3 parts per mount

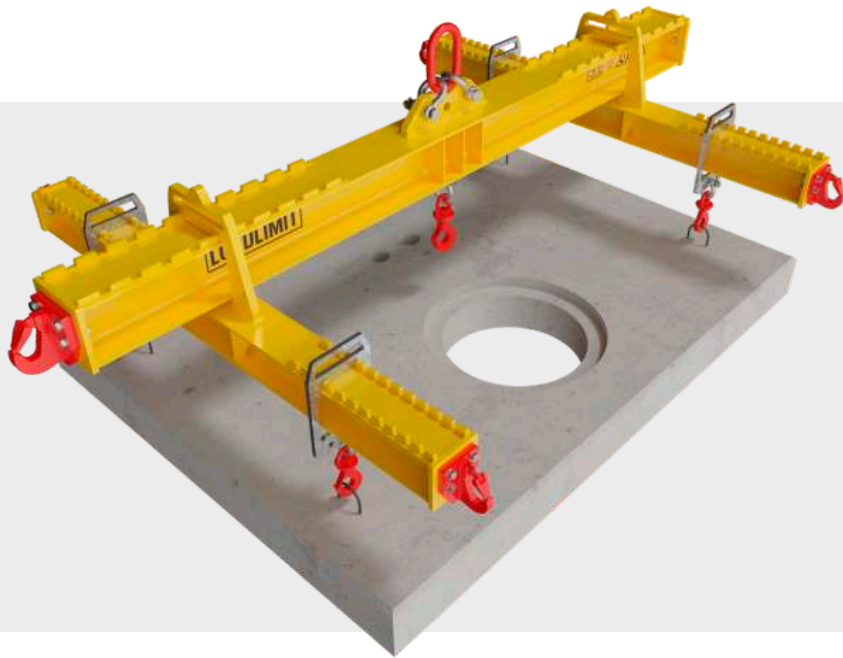


FORKLIFT MOUNT  
Not available



## THX H-shaped lifting-beam

Load capacity up to 30,000 kg | Gripping range up to 8 x 4 m



### CRANE STOP

The crane is attached using a weld-on eye, fixed or plug-in bolt, shackle or ring suspension or the optional 2-strand chain hanger.

### LOAD STOP

On the load side, the primary stop is made via fixed or adjustable swivel hooks or perforated rails. A centre hook is available as an option.

### EXTENSION

To extend the range of applications, up to three bolt-on parts for the crane or load stop can be mounted per beam end.

### STORAGE

Removable telescopic feet, storage trestles or racks (optionally with rollers), ensure a secure stand and prevent soiling.

### FORKLIFT MOUNT

With the help of the forklift mounts, you can also transport the crossbar with the forklift or use it to pick up loads.



LOAD CAPACITY  
1.000 to 30.000 kg



CRANE STOP  
Eye, Rings, Bolts, ...



LOAD STOP  
Hooks, perforated rail, ...



GRIPPING RANGE  
1.000 x 1.000 to  
8.000 x 4.000 mm



CHAIN SUSPENSION  
2-strand chain



CENTER HOOK  
1/3 or full load



STORAGE  
Trestles or feet



EXTENSION  
3 parts per mount

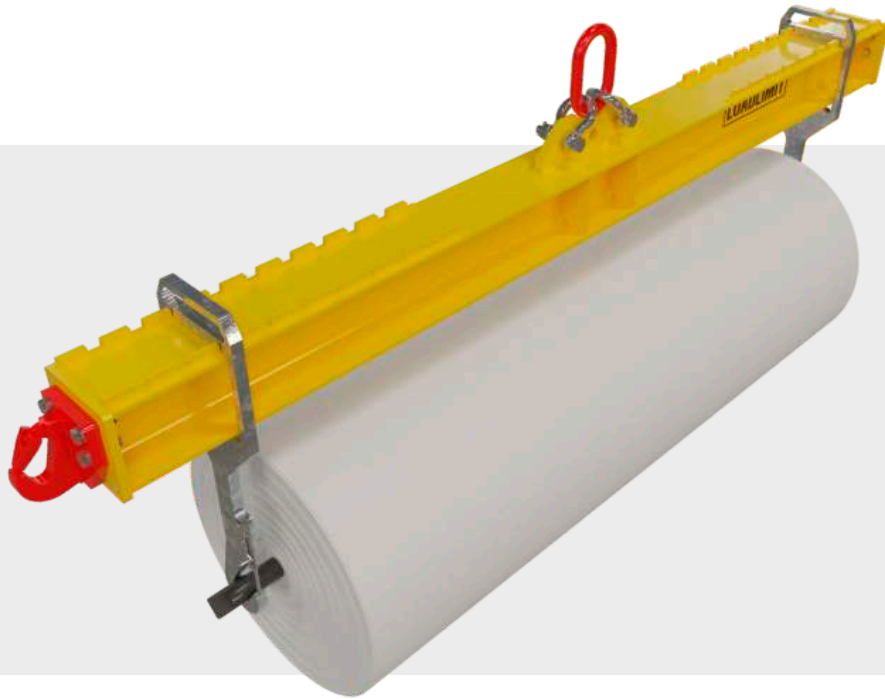


FORKLIFT MOUNT  
3 sizes available



## TLX Long-hook lifting beam

Load capacity up to 30,000 kg | Gripping width up to 8 m



### CRANE STOP

The crane is attached using a weld-on eye, fixed or plug-in bolt, shackle or ring suspension or the optional 2-strand chain hanger.

### LOAD STOP

The load is picked up by long hooks specially manufactured for the intended application - rigidly mounted or variable with width adjustment grid.

### EXTENSION

To extend the range of applications, up to three bolt-on parts for the crane or load stop can be mounted per beam end.

### STORAGE

Removable telescopic feet, storage trestles or racks (optionally with rollers), ensure a secure stand and prevent soiling.

### FORKLIFT MOUNT

With the help of the forklift mounts, you can also transport the crossbar with the forklift or use it to pick up loads.



LOAD CAPACITY  
1.000 to 30.000 kg



CRANE STOP  
Eye, Rings, Bolts, ...



LOAD STOP  
Long hooks fixed or adjustable



GRIPPING WIDTH  
1.000 to 8.000 mm



CHAIN SUSPENSION  
2-strand chain



CENTER HOOK  
Not available



STORAGE  
Trestles or feet



EXTENSION  
3 parts per mount



FORKLIFT MOUNT  
3 sizes available

# Service

## EXTENSION

Due to the vast standardisation of our crane lifting beams, it is possible to upgrade or exchange extension parts and parking solutions at any time. Please contact your LOADLIMIT® dealer with the information from the type plate of the lifting beam.



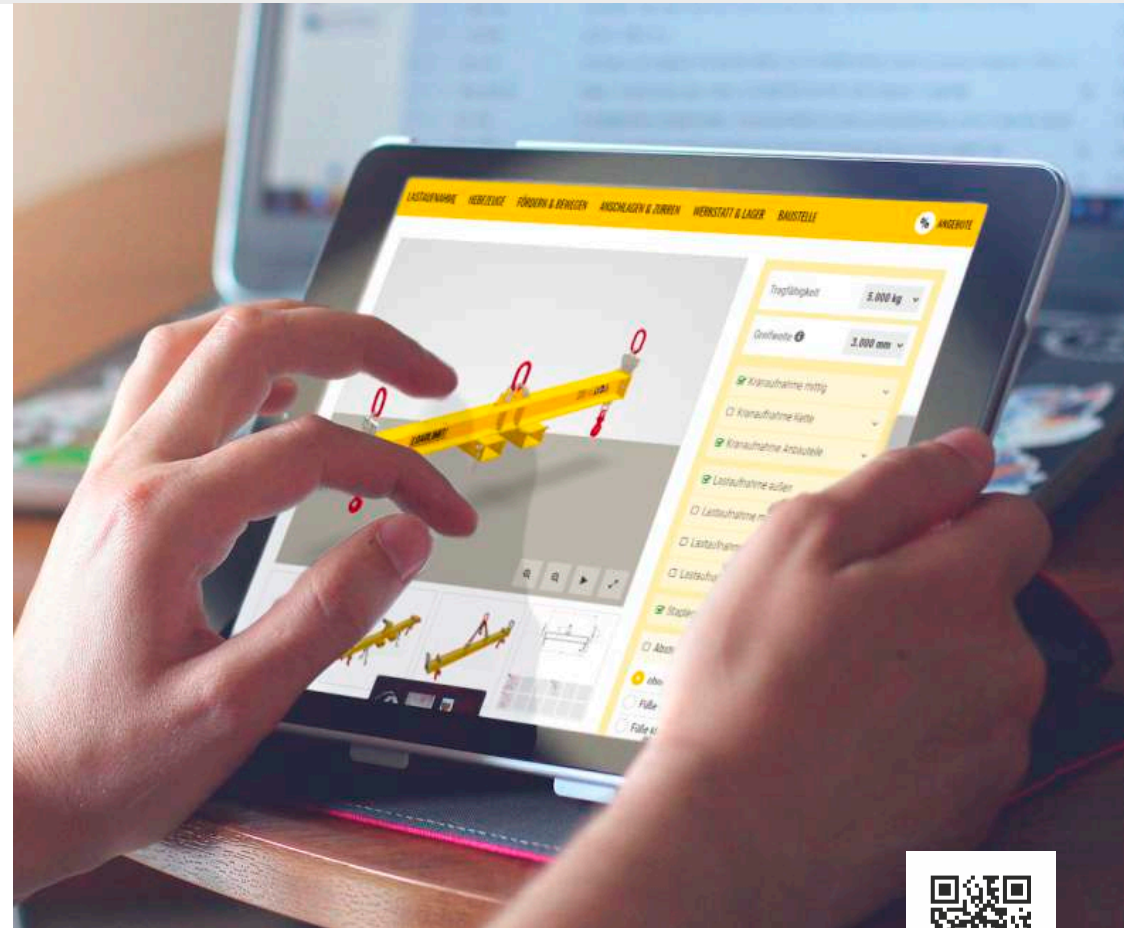
## CUSTOM DESIGNS

Do you need a lifting beam with a different load capacity, gripping width or even adaptations for unusual tasks? No problem! LOADLIMIT® also has the right solution for your requirements. We plan and realise special designs for our customers every day. Ask us - we will be happy to advise you!



## SERVICE & INSPECTION

Lifting beams are subject to occupational health and safety regulations and require regular inspections. Recurring inspections must be carried out at least once a year - depending on the conditions of use and risk assessment, also at shorter intervals. We will be happy to arrange these inspections for you by specialised partners.



# 3D lifting beam configurator

- 1 Select basic model
- 2 Set load capacity and gripping width
- 3 Select equipment

Buy lifting beam ▶

Scan QR code  
or open [loadlimit.com](http://loadlimit.com)  
in your browser to  
start configuration.

# Documents

The scope of delivery of each lifting beam includes the operating instructions with safety instructions, CE declaration of conformity and test protocols in digital form, as well as a printed quick reference guide.

## DIGITAL DOCUMENTS

The documents are provided digitally via the online platform **www.doxserv.com**. All necessary data for retrieving the files are included in the delivery note and can be found on a sticker at the lifting beam.

## BENEFITS

- Available online at any time
- At the workplace and in the office
- Via PC, Mac, tablet and smartphone



Alle Dokumente finden Sie hier  
[www.doxserv.com](http://www.doxserv.com)  
 User x123yabc987z  
 Password 123456789

Betriebsanleitung bitte ausdrucken  
 oder in Papierform anfordern.

Nummer  
 5501234 3456 112123123-1

**DoxServ.com**

## SAFETY

LOADLIMIT® lifting beams offer quality and safety. They comply with the following directives and standards:

### 2006/42/EG

Directive 2006/42/EC of the European Parliament and of the Council of 17 May 2006 on machinery and amending Directive 95/16/EC (recast) Table 1: Directives applied

### DIN EN ISO 12100

Safety of machinery - General principles for design - Risk assessment and risk reduction (ISO 12100:2010)

### DIN EN 13155

Cranes - Safety - Loose load handling attachments

### DGUV Rule 109-017

Operation of work equipment

# Product range

## Simple, Star, Cross, Multi-purpose, Long-hook lifting beams

	1 000 mm	1 600 mm	2 000 mm	3 000 mm	4 000 mm	5 000 mm	6 000 mm	8 000 mm
1 000 kg	●	●	●	●	●	●	●	●
2 000 kg	●	●	●	●	●	●	●	●
3 000 kg	●	●	●	●	●	●	●	●
5 000 kg	●	●	●	●	●	●	●	●
8 000 kg	●	●	●	●	●	●	●	●
10 000 kg	●	●	●	●	●	●	●	●
15 000 kg	●	●	●	●	●	●		
20 000 kg	●	●	●	●	●	●		
25 000 kg			●	●				
30 000 kg			●	●				

## H-shaped lifting beams

	1 000 x 1 000 mm	2 000 x 1 600 mm	3 000 x 1 600 mm	4 000 x 2 000 mm	5 000 x 3 000 mm	6 000 x 3 000 mm	8 000 x 4 000 mm
1 000 kg	●	●	●	●	●	●	●
2 000 kg	●	●	●	●	●	●	●
3 000 kg	●	●	●	●	●	●	●
5 000 kg	●	●	●	●	●	●	●
8 000 kg	●	●	●	●	●	●	●
10 000 kg	●	●	●	●	●	●	●
15 000 kg	●	●	●	●	●		
20 000 kg	●	●	●	●	●		
25 000 kg		●	●				
30 000 kg		●	●				

## Different gripping width and load capacity

Loadlimit has a solution for every application. We can therefore also supply lifting beams for your specific needs on request - with different gripping widths, load capacities and individual attachment points.



## 3D configurator

Simply configure your  
lifting beam online



+49 36333 666-222  
info@loadlimit.com  
www.loadlimit.com

BETA Maschinenbau GmbH & Co. KG  
Nordhäuser Straße 2  
99765 Heringen | Germany

[www.loadlimit.com](http://www.loadlimit.com)