



**Axzion**

Engineering  
Lifting Equipment  
Technical Services

## **BEAMS**

## AXZION - Intelligent Lifting Equipment

### Exact planning guarantees perfect function

AXZION-GKS is a member of the SpanSet Group, the specialists for lifting and securing loads. As a manufacturer, we are able to find and implement the right solution. Certified welders, production support by experienced welding engineers, modern production machines. The right advice is always a question of your own possibilities. More than twenty experienced load-bearing designers with special knowledge in the areas of „statics“, „welding“ and „drive technology“ design the optimum solution for your needs.

#### AXZION-GKS offers everything from a single source

Development, production and service are closely interwoven and the design is optimally adapted to modern production possibilities. Our service provides immediate assistance when there are problems. Your employees can be trained personally in the use of the load-bearing equipment we supply.

#### We assume responsibility

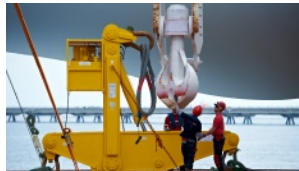
As a manufacturer, we assume „responsibility for the design and manufacture of a product“. From the manufacturer's qualification for welding according to DIN EN ISO 3834-2 and the manufacturer certification according to DIN EN 1090-1 up to factory production control for load-bearing components up to EXC3 according to EN 1090-2 and a quality management system according to DIN EN ISO 9001: you are

buying from a company that operates in complete conformity to standards.

Even full assemblies can be completely delivered in a very short time including acceptance, e.g. by DEKRA or DNV GL and load testing on internal test benches (600 t and 1,800 t).

AXZION-GKS is approved for class EXC 3. Companies within the scope of class EXC 3 must have a qualified welding supervisor and certified welders with a valid welder test certificate according to DIN EN 287-1 resp. DIN EN ISO 9606-1, as well as welding procedures implemented with a valid qualification (WPQR).

**We would like to give you more information**  
Request our company brochure at:  
[info@axzion.de](mailto:info@axzion.de)



## The correct configuration of your AXZION load-bearing equipment

### How you get the best load-bearing equipment by specializing

#### The right design of your load-bearing equipment

##### Designing a load-bearing device

The number of load changes is crucial. The designer of a load-bearing device must, in cooperation with the user, determine whether DIN EN 13155 „Cranes - Safety - Loose load-bearing devices“ can be used or whether the design of the load-bearing devices must be done according to DIN EN 13001 „Cranes - Construction in General - Part 1: General principles and requirements“. A projection of the usage intensity is therefore required for a correct design of the load-bearing device. Factors for the design are the „Planned service life“, „lifting operations per day“ and the „load changes per lifting operation“. Not all load lifting devices are used together with a crane (see „Lifting speed“).

#### The right components

Steel, hydraulics, electric, etc.: A safe and good solution can only be manufactured with good components. We have only worked together with the best steel and construction steel suppliers for many years. This always includes the complete documentation of all components in the scope of delivery for load lifting devices. This is just as important as the delivered assembly itself. The manufacturer requires at least one inspection test certificate 3.1 - according to DIN EN 10204 - for all materials used. All material certificates and test reports as well as their cross-references are managed or archived by our IT department.

#### The operating conditions of your load-bearing device

##### Operating temperatures

The normal load-bearing device is used in a temperature range of -10° C to +60° C. When used outdoors, temperatures down to - 20 ° C can be reached. In some regions of the world, even down to - 40° C is possible. In this case, low-temperature steels are used. When transporting hot loads, however, very high application temperatures are possible. Special steels have to be used here which are suitable for these conditions of use.

##### Lifting speed

A load lifting device must be designed for the lifting speeds that occur. Usually max. 10 m/min. In order to speed up the loading process, significantly higher speeds are possible, for example, in cargo shipment companies (ports, steelworks, etc.), which must be known during the design. An important and widespread use is the use of the load lifting devices together with a **forklift truck**. Here, the dynamic loads of the load lifting devices are significantly higher. The lifting speed is usually much higher than with a normal crane. Wind and waves occurring as dynamic forces can be enormous. The requirements for load-bearing equipment are particularly high when used on the high seas, i.e. offshore. Construction design and execution are strictly monitored.

#### Checking and documentation of your load-bearing equipment

Material and process tests mean additional safety. Our work is checked by our own or independent auditors using the latest test equipment. All certifications are available. During production, we do our own inspections (e.g. magnetic powder testing, dye penetration testing, ultrasonic testing, notch impact bending test). The required final tests are always carried out by a neutral test institute.

#### Load test

AXZION-GKS works closely and in partnership with major testing organisations such as TÜV, DEKRA, Lloyd's Register and DNV GL. Testing is done on one of the two in-house test benches. The system, which has been located at Langenfeld for many years, has a tensile pulling force of 600 tonnes. At the Neustrelitz site, very large lifting structures can be tested with a tensile force of up to 1,800 tonnes. The load tests are done by manual operation or computer-controlled with analysis. In this way, load-bearing devices can be tested quietly under absolutely realistic operating conditions.

#### Documentation

The documentation is as important as the manufactured product. Complete documentation is always included in the scope of delivery of a load-bearing device. The information and the scope must correspond to the current state of the Lifting Equipment and must include the proof of the quality of the components and materials used and the tests carried out.

#### AXZION-DocuManager

Documents from various sources are combined, documented and archived with the in-house document management system. The partially automated document management includes a ticket system and a sharing interface, which organises the workflow between the customer and the manufacturer.



#### Details for the specialization of the LAM at a glance:

- ✓ Planned service life
- ✓ Number of load changes (> 20 thousand)
- ✓ Load change per lifting operation
- ✓ Additional components
- ✓ Operating temperature
- ✓ Lifting speed (> 10 m / min)
- ✓ Acceptance by test laboratory
- ✓ Other operating conditions

#### Unless stated otherwise, the load-bearing device is listed in the following range:

- ✓ Classified according to DIN EN 13155.
- ✓ Designed for a crane speed of „V crane max.“ 10 m / min.
- ✓ And designed for <20,000 load changes.

## Proper checking of your load-bearing device

### DGUV rules 100-500 (BGR500 chapter 2.8): Operating load-lifting devices in lifting operations

DGUV rules are aimed primarily at the employer and are intended to provide him with assistance with the implementation of his obligations under state employment protection regulations or accident prevention regulations as well as methods to prevent such things as accidents at work, occupational diseases and work-related diseases.

Periodic inspections of the delivered load-bearing devices allow safe working and extended use. Type, scope and deadlines are comprehensively regulated in the **DGUV rules 100-500 Chapter 2.8:**

#### Inspections

According to § 3 para. 3 of the Occupational Safety and Health Ordinance, the employer shall determine the nature, scope and deadlines of necessary inspections and tests of the work equipment used. These tests are intended to systematically identify and eliminate safety deficiencies. The employer also establishes the prerequisites that the persons appointed by him have to fulfil („Qualified Persons“). The nature, scope and deadlines of the examinations are the best practice and comply with the rules of technology.

#### Inspection before initial commissioning

The contractor shall ensure that load-bearing equipment is only put into operation when inspected by a qualified person and after any defects have been remedied. The qualified person is someone who, due to his professional training and experience, has sufficient knowledge in the field of load-bearing devices and has knowledge of the relevant state work protection regulations (e.g. union rules, DIN standards, VDI regulations, technical regulations of other member states of the European Union or of other states parties to the Agreement on the European Economic Area)



to the extent that he can assess the safe working condition of load-bearing devices. The test must be organised by the operator prior to the first commissioning. A hazard assessment and operating instructions must be drawn up within the scope of this test.

#### Periodic inspections

The company shall ensure that load-bearing equipment is inspected at intervals of at least one year by a qualified person. Inspections at intervals shorter than a year may be required depending on the operating conditions of the load-bearing equipment. This applies, for example, in case of particularly frequent use, increased wear, corrosion, heat or if an increased susceptibility to failure is to be expected.

#### Scope of inspection

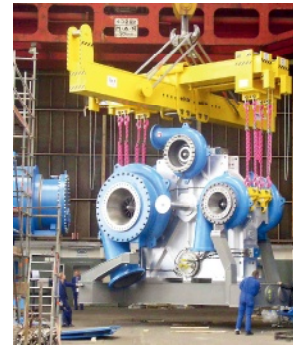
The inspection before the first commissioning and regular inspections mainly constitutes visual and functional tests. These tests shall extend to the examination of the condition of the components and devices, to the correct assembly, as well as to the completeness and effectiveness of the safety devices:

- breakages, deformations or cracks
  - damage, severe wear
  - corrosion damage
  - malfunction of safety devices
- Before the visual and functional test, the load-bearing device may require cleaning.

#### Proof of inspection and maintenance

The professional association may request proof of inspection for other inspections in some individual cases. For load-bearing devices, the proof should be combined with the test certificate of the hoist. The inspection certificates must be presented at the request of the supervisor. It is therefore necessary to store them within reach at all times. The corresponding regulations for inspection (also see DGUV rules 100-500) apply to the supplied or connected accessory parts such as hoisting means (lifting straps slings, chains, wire cables, etc.) and connecting devices (shackle, hooks, etc.)

The company shall ensure that repair work on load-bearing equipment is carried out only by persons who have the necessary knowledge and abilities.

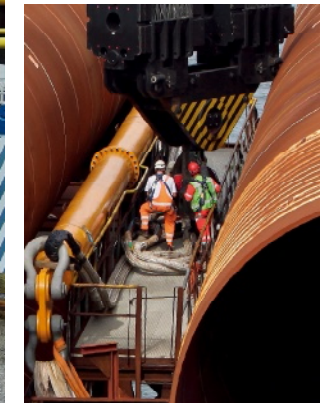


**Information about an AXZION maintenance contract:**

- ✓ Legally prescribed maintenance
- ✓ Reduced downtime
- ✓ Suitable spare parts
- ✓ Long service life of the AXZION LAM
- ✓ Proper rectification of defects
- ✓ Maximum operational reliability
- ✓ Reduced repair costs
- ✓ Emergency assistance (24/7)

**AXZION LAM service**

Our technical service team supports you and your load-bearing device on-site. Benefit from the competence of our employees. We will prepare an individually customised offer for these load-bearing devices. Once the contract has been agreed upon, we will set up the first maintenance appointment and for future maintenance intervals. Benefit from regular, professional inspection of your Lifting equipment .



### Checklist for checking your load-bearing device:

#### 01 Preparation

- ✓ Operating instructions available
- ✓ Documentation available
- ✓ „Qualified person“ has the corresponding knowledge
- ✓ LAM assembled type-approved
- ✓ LAM cleaned for testing

#### 02 Performance of test

- ✓ No cracks, breaks or deformations
- ✓ No excessive wear
- ✓ No corrosion damage
- ✓ Safety device functional
- ✓ Movable components move freely

#### 03 Regular measures

- ✓ Record the test in the test certificate
- ✓ Check for proper storage
- ✓ Record the next maintenance date
- ✓ Complete the maintenance contract

### Important reminder for repairs to your load-bearing device (DGUV rules 100-500):

The contractor must ensure that repair work on load-bearing equipment is carried out only by persons who have the necessary knowledge and skills.



Frame beam with 4-strand chain suspension  
With welded hooks and secutex hoisting straps for bundled steel profiles



Spreader beam suspension connection  
below the centre of load point

### Beams, assembly, crane and load side design

Bar-shaped beams are used for even loads (bar steel, girders etc.). If the loads are bulky (machines, crates, etc.), then a spatial beam is selected, which could be among other things, a H-frame or a frame beam.

#### Suspension on the crane side

The crane-side suspension is oriented mainly based on the type of the existing crane hook. There are many suitable variants, whether for simple hooks or double hooks. Bolt and eye suspensions are adapted to the respective crane hook size. The Vario suspension with high-strength suspension ring is simple and can also be retrofitted for almost any crane hook. Sometimes you do not know what the lifting conditions are yet. Welding points, shackles or double bollards allow for the subsequent and simple assembly of existing suspension. Adaptation to

an existing crane hook height and type is thus not a problem.

#### Lifting points on the load side

The load-side hoisting points are selected according to the type and number of the hoisting devices. Shackles or bolts are used for the direct connection to the load. Simple hooks or rotating hooks are used when using suspension gear with a central suspension head. If lifting straps or wire cables with end loops are used, then welding hooks are the optimal solution.

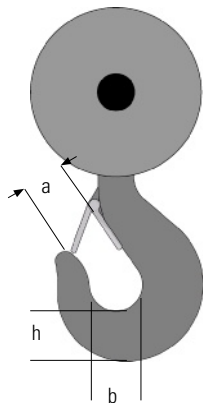
For large round slings or wire cable grumets, we recommend double bollards with a large contact radius.

If the size of the load changes, then adjustable hoisting points should be used. An appropriate position

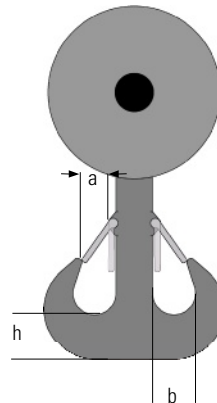
ing also makes it possible to adapt to an off-centre load point. Please pay attention to the uneven load distribution here. The self-adjusting version automatically adjusts itself to the respective distance. This solution saves time and is particularly safe.

Selection of crane hooks according to DIN 15401 and DIN 15402.

### Selection of crane hooks according to DIN 15401 and DIN 15402



Hook number z.B. GSN xx z.B. STB xx	Dimen- sion b [mm]	Dimen- sion h [mm]	Hook jaw width sion a [mm]
05	24	31	28
08	29	37	34
1	32	40	34
1,6	38	48	40
2,5	45	58	41
4	53	67	49
5	60	75	55
6	67	85	55
8	75	95	69
10	85	106	76
12	95	118	84
16	106	132	97
20	118	150	110
25	132	170	132
32	150	190	137
40	170	212	167
50	190	236	188
63	212	265	
80	236	300	
100	265	335	
125	300	375	

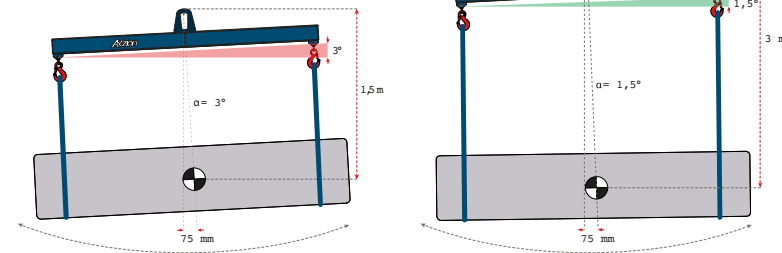


Hook number z.B. GSN xx z.B. STB xx	Dimen- sion b [mm]	Dimen- sion h [mm]	Hook jaw width when open, dimen- sion a [mm]
05	22	27	
08	26	33	
1	28	36	
1,6	34	43	
2,5	40	50	30
4	48	60	31
5	53	67	38
6	60	75	48
8	67	85	47
10	75	95	57
12	85	106	60
16	95	118	63
20	106	132	73
25	118	150	87
32	132	170	108
40	150	190	112
50	170	212	130
63	190	236	
80	212	265	
100	236	300	
125	265	335	

### Important information about the subject of „skewing under load“

The load centre is always exactly under the crane hook. With an eccentric load centre, the beam is inclined. An adjustable suspension should be selected here. The spindle-adjustable version can be adjusted under load (consider max. slope angle). This solution saves time and is particularly safe. The available free lifting height should be largely utilised. The further the distance between the crane hook

and the load centre is, the smaller the inclination of the beam is with a the eccentric load centre. Select round sling or chain suspension here. According to EN 13155, an inclination under a load of a max. 6° is permissible.



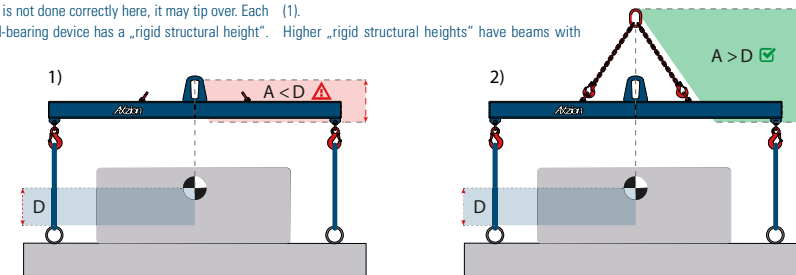
**Rule of thumb:**  
Use the crane height: If the distance between the „crane hook and the centre of mass“ is doubled, the incline angle is halved.

### Important information regarding the subject of „risk of tipping over when connecting below the load of mass“

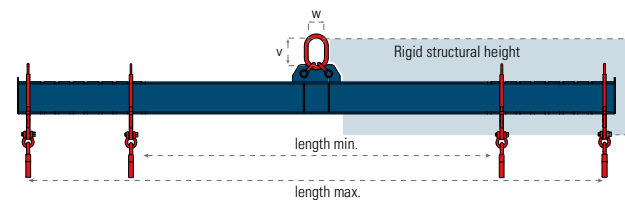
When connecting the load, the height of the centre load bearing point must always be observed and subjected to critical assessment. It is harmless if the load centre is lower than the hoisting points. There is a danger of rollover if the centre load of mass is above the hoisting points. Caution: If the connection is not done correctly here, it may tip over. Each load-bearing device has a „rigid structural height“.

The rigid structural height is the dimension between the „contact point of the crane hook and the next underlying hinge point“, i.e. the height range of the beam below the crane hook, which cannot change geometrically when the load is oscillating. Low „rigid structural heights“ have trusses with eye suspension (1). Higher „rigid structural heights“ have beams with

a multi-strand suspension (2). **The rigid structural height (A) of the beam must always be significantly larger than the dimension „lifting point up to the height of the load centre“ (D).** For H-frames both spatial axes must be assessed.



### Nomenclature of the bar beam



- Why do you need a beam?**
- ✓ For reducing and avoiding incline angles.
  - ✓ Reduction of the forces acting on the hoisting points and the lifting devices
  - ✓ Reduction of the structural and useable heights.
  - ✓ Reduction of the pandulum movements and skewing of the load.
  - ✓ Protection of the goods to be transported.

## Configure your beam yourself!

### Construction

The design of the beam depends on the load, as well as the number and position of the load-side hoisting points.

**Bar beam:** For narrow and long loads (bar steel, beam, etc.). The load-side hoisting points lie on one axis.

**H-frame:** Voluminous / spatial loads (machines, crates, etc.). Several load-side hoisting points lie on one level.

### Load centre of mass

The load centre is always exactly under the crane hook. Thus, when the load distribution is uneven, the beam and the load are inclined. The maximum permitted inclination of 6° in accordance with DIN 13155 must be observed here.

**Crane side:** adjustable suspension should be selected here. The spindle-adjustable version can easily be adjusted under load (consider max. slope angle). This solution saves time and is particularly safe. An adjustable shackle suspension or

a 2-strand chain that can be shortened cannot be adjusted under load. In this case, the beam hangs in the empty state here at an angle. The original setting must often also be corrected several times.

**Load side:** Setting the beam by adjusting the hoisting points asymmetrically to the crane suspension. In this case, it must be noted that the load-side connection points will not be evenly loaded. It may mean the beam has to be dimensioned to be stronger. In the case of an H-frame, ensure that the load on the hoisting points are evenly distributed, as otherwise the beam can be damaged.

**A**

### Crane-side suspension

Select the appropriate hoisting point for your application

**B**

### Design

Load capacity <250 kg to 200t  
Length 0.5m - 18m  
Load change <20,000 according to DIN 13155 (standard)  
Load change >20,000 according to DIN EN 13001

**C**

### Load-side hoisting points

Select the appropriate anchor points for your load-bearing device

**D**

### Suitable hoisting points, service and safe storage

Choose from a variety of useful accessories and services, such as the maintenance service or the overload test, etc.

### Choose: suspension, crane-side

The crane-side suspension depends mainly on the type of crane hook available and the available crane height. It should be noted that hooks installed in modern crane systems are becoming increasingly compact due to the use of high-strength steels. Simple rigid eye suspensions (fired eye suspension)

are often no longer suitable here. Possible risk of tipping when the load is below the centre of mass. Be sure to observe the safety instructions.

**Practical TIP:** In addition to the normal suspension, select 2 VLBS. The beam is much more stable in combination with an additional two-strand suspension.



Suspension fixed



Vario suspension rigid



Vario suspension adjustable



2-strand suspension



Double Vario suspension



VLBS suspension

### Determine the design and paint

#### Design of the beam

Load changes <20,000: Design according to DIN EN 13155 (standard)

Load changes >20,000: Design according to DIN EN 13001

#### Special cases (please request)

**Offshore:** individual design according to operating conditions and certification company

**USA:** Production and design according to ASME „Design of Below the Hook Lifting Devices“

**Russia:** GOST Certificate / EAC TR CU Declaration of Conformity

**Temperature:** Cold range (<0 ° C) or warm range (> 80 ° C)

**Crane speed:** >10m/min.

When selecting the components, our load-bearing specialists would be very pleased to help: [info@axzion.de](mailto:info@axzion.de)

#### Determine the design and paint

AXZION blue  
Reflective warning strip (standard)

Standard yellow  
Black warning strips, without surcharge

Special colour, surcharge



### Select: hoisting points, load side

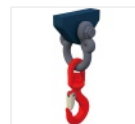
The load-side hoisting points are selected according to the type and number of the lifting devices. If the load centre is unclear, the size of the load changes and then the adjustable hoisting points should be used.

The self-adjusting version automatically adjusts itself to the respective distance. This solution saves time and is particularly safe.

**Practical TIP:** The adjustment of the hoisting points takes time. In case of an intensive use, several fixed anchor points should be alternatively chosen.



Single hook



Swivel hook



Welded hook



Long hook



Hoisting point VLBS



Shackle bar

## AXZION MODULAR BEAM

For any application - Configure your own beam!  
Determine the design and paint



Main beam, rigid



Main beam, adjustable

### Main beam, rigid

	Load capacity [kg]	Length max. [mm]	Dead weight ca. [kg]
ASS 0100 0100 0	1000	1000	7
ASS 0100 0200 0	1000	2000	17
ASS 0100 0300 0	1000	3000	52
ASS 0100 0400 0	1000	4000	84
ASS 0100 0500 0	1000	5000	104
ASS 0100 0600 0	1000	6000	163
ASS 0200 0100 0	2000	1000	9
ASS 0200 0200 0	2000	2000	43
ASS 0200 0300 0	2000	3000	83
ASS 0200 0400 0	2000	4000	110
ASS 0200 0500 0	2000	5000	172
ASS 0200 0600 0	2000	6000	261
ASS 0300 0100 0	3000	1000	12
ASS 0300 0200 0	3000	2000	43
ASS 0300 0300 0	3000	3000	105
ASS 0300 0400 0	3000	4000	138
ASS 0300 0500 0	3000	5000	218
ASS 0300 0600 0	3000	6000	314
ASS 0500 0100 0	5000	1000	22
ASS 0500 0200 0	5000	2000	71
ASS 0500 0300 0	5000	3000	133
ASS 0500 0400 0	5000	4000	211
ASS 0500 0500 0	5000	5000	315
ASS 0500 0600 0	5000	6000	439
ASS 1000 0100 0	10000	1000	37
ASS 1000 0200 0	10000	2000	109
ASS 1000 0300 0	10000	3000	192
ASS 1000 0400 0	10000	4000	344
ASS 1000 0500 0	10000	5000	478
ASS 1000 0600 0	10000	6000	633
ASS 2000 0100 0	20000	1000	58
ASS 2000 0200 0	20000	2000	178
ASS 2000 0300 0	20000	3000	324
ASS 2000 0400 0	20000	4000	526
ASS 2000 0500 0	20000	5000	731
ASS 2000 0600 0	20000	6000	953

### Main beam, adjustable

	Load capacity [kg]	Length max. [mm]	Length min. [mm]	Dead weight ca. [kg]
ASV 0100 0100 0	1000	1000	500	21
ASV 0100 0200 0	1000	2000	1000	38
ASV 0100 0300 0	1000	3000	1500	82
ASV 0100 0400 0	1000	4000	2000	120
ASV 0100 0500 0	1000	5000	3000	140
ASV 0100 0600 0	1000	6000	3000	235
ASV 0200 0100 0	2000	1000	500	26
ASV 0200 0200 0	2000	2000	1000	71
ASV 0200 0300 0	2000	3000	1500	120
ASV 0200 0400 0	2000	4000	2000	153
ASV 0200 0500 0	2000	5000	3000	218
ASV 0200 0600 0	2000	6000	3000	344
ASV 0300 0100 0	3000	1000	500	31
ASV 0300 0200 0	3000	2000	1000	72
ASV 0300 0300 0	3000	3000	1500	147
ASV 0300 0400 0	3000	4000	2000	187
ASV 0300 0500 0	3000	5000	3000	270
ASV 0300 0600 0	3000	6000	3000	403
ASV 0500 0100 0	5000	1000	500	57
ASV 0500 0200 0	5000	2000	1000	124
ASV 0500 0300 0	5000	3000	1500	199
ASV 0500 0400 0	5000	4000	2000	290
ASV 0500 0500 0	5000	5000	3000	401
ASV 0500 0600 0	5000	6000	3000	568
ASV 1000 0100 0	10000	1000	500	103
ASV 1000 0200 0	10000	2000	1000	202
ASV 1000 0300 0	10000	3000	1500	302
ASV 1000 0400 0	10000	4000	2000	484
ASV 1000 0500 0	10000	5000	3000	630
ASV 1000 0600 0	10000	6000	3000	832
ASV 2000 0100 0	20000	1000	500	186
ASV 2000 0200 0	20000	2000	1000	365
ASV 2000 0300 0	20000	3000	1500	555
ASV 2000 0400 0	20000	4000	2000	792
ASV 2000 0500 0	20000	5000	3000	1008
ASV 2000 0600 0	20000	6000	3000	1276

For any application - Configure your own beam!  
Determine the design and paint



Cross beam, rigid



Cross beam, adjustable

### Cross beam, rigid

	Load capacity [kg]	Length max. [mm]	Dead weight ca. [kg]
AQS 0050 0050 0	500	500	8
AQS 0050 0100 0	500	1000	11
AQS 0050 0200 0	500	2000	17
AQS 0050 0300 0	500	3000	30
AQS 0050 0400 0	500	4000	49
AQS 0050 0500 0	500	5000	59
AQS 0100 0050 0	1000	500	8
AQS 0100 0100 0	1000	1000	11
AQS 0100 0200 0	1000	2000	22
AQS 0100 0300 0	1000	3000	57
AQS 0100 0400 0	1000	4000	89
AQS 0100 0500 0	1000	5000	109
AQS 0200 0050 0	2000	500	12
AQS 0200 0100 0	2000	1000	18
AQS 0200 0200 0	2000	2000	52
AQS 0200 0300 0	2000	3000	93
AQS 0200 0400 0	2000	4000	119
AQS 0200 0500 0	2000	5000	182
AQS 0300 0050 0	3000	500	14
AQS 0300 0100 0	3000	1000	22
AQS 0300 0200 0	3000	2000	52
AQS 0300 0300 0	3000	3000	114
AQS 0300 0400 0	3000	4000	148
AQS 0300 0500 0	3000	5000	227
AQS 0500 0050 0	5000	500	27
AQS 0500 0100 0	5000	1000	42
AQS 0500 0200 0	5000	2000	94
AQS 0500 0300 0	5000	3000	157
AQS 0500 0400 0	5000	4000	236
AQS 0500 0500 0	5000	5000	339
AQS 1000 0050 0	10000	500	40
AQS 1000 0100 0	10000	1000	69
AQS 1000 0200 0	10000	2000	143
AQS 1000 0300 0	10000	3000	226
AQS 1000 0400 0	10000	4000	377
AQS 1000 0500 0	10000	5000	509

### Cross beam, adjustable

	Load capacity [kg]	Length max. [mm]	Length min. [mm]	Dead weight ca. [kg]
AQV 0050 0050 0	500	500	300	20
AQV 0050 0100 0	500	1000	500	26
AQV 0050 0200 0	500	2000	1000	39
AQV 0050 0300 0	500	3000	1500	59
AQV 0050 0400 0	500	4000	2000	84
AQV 0050 0500 0	500	5000	3000	95
AQV 0100 0050 0	1000	500	300	20
AQV 0100 0100 0	1000	1000	500	26
AQV 0100 0200 0	1000	2000	1000	45
AQV 0100 0300 0	1000	3000	1500	88
AQV 0100 0400 0	1000	4000	2000	126
AQV 0100 0500 0	1000	5000	3000	147
AQV 0200 0050 0	2000	500	300	25
AQV 0200 0100 0	2000	1000	500	37
AQV 0200 0200 0	2000	2000	1000	82
AQV 0200 0300 0	2000	3000	1500	132
AQV 0200 0400 0	2000	4000	2000	165
AQV 0200 0500 0	2000	5000	3000	232
AQV 0300 0050 0	3000	500	300	30
AQV 0300 0100 0	3000	1000	500	43
AQV 0300 0200 0	3000	2000	1000	84
AQV 0300 0300 0	3000	3000	1500	161
AQV 0300 0400 0	3000	4000	2000	201
AQV 0300 0500 0	3000	5000	3000	286
AQV 0500 0050 0	5000	500	300	54
AQV 0500 0100 0	5000	1000	500	80
AQV 0500 0200 0	5000	2000	1000	152
AQV 0500 0300 0	5000	3000	1500	229
AQV 0500 0400 0	5000	4000	2000	323
AQV 0500 0500 0	5000	5000	3000	436
AQV 1000 0050 0	10000	500	300	89
AQV 1000 0100 0	10000	1000	500	142
AQV 1000 0200 0	10000	2000	1000	247
AQV 1000 0300 0	10000	3000	1500	350
AQV 1000 0400 0	10000	4000	2000	538
AQV 1000 0500 0	10000	5000	3000	687


## AXZION MODULAR BEAM

**AXZION MODULAR BEAM**

Please select: Suspension, crane side

**EYELET SUSPENSION, RIGID**


	WLL		Eye height		Eye width	
	[kg]	V [mm]	W [mm]			
AAS 0100	1000	100	50			
AAS 0300	3000	150	70			
AAS 0500	5000	190	85			
AAS 1000	10000	270	120			
AAS 2000	20000	360	160			



Further sizes available on request!

**VARIO SUSPENSION, RIGID**


	WLL		Eye height		Eye width	
	[kg]	V [mm]	W [mm]			
VAK 0100	1000	100	60			
VAK 0300	3000	140	80			
VAK 0500	5000	160	95			
VAK 1000	10000	190	110			
VAK 2000	20000	250	150			



Further sizes available on request!

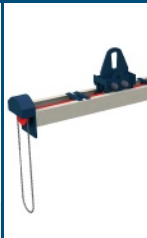
**VARIO SUSPENSION, EXTRA LARGE RING**

	WLL		ring height		ring width	
	[kg]	V [mm]	W [mm]			
VAK 0100-16	1000	260	140			
VAK 0200-16	2000	260	140			
VAK 0300-16	3000	260	140			
VAK 0500-16	5000	260	140			
VAK 0800-16	8000	260	140			
VAK 1000-16	10000	260	140			
VAK 0100-25	1000	340	180			
VAK 0200-25	2000	340	180			



**VARIO SUSPENSION, SPINDLE ADJUSTMENT**


	WLL		Eye height		Eye width	
	[kg]	V [mm]	W [mm]			
VAK 0100-S	1000	100	60			
VAK 0200-S	2000	120	70			
VAK 0400-S	4000	140	80			
VAK 0750-S	7500	160	95			
VAK 1000-S	10000	190	110			
VAK 2500-S	25000	250	150			



Further sizes available on request!

**BOLT SUSPENSION**

	WLL		clearance width		bolt diameter	
	[kg]	V [mm]	W [mm]			
BAS 0100	1000	100	50			
BAS 0200	2000	130	65			
BAS 0300	3000	150	70			
BAS 0500	5000	190	85			
BAS 1000	10000	270	120			
BAS 2000	20000	360	160			



Further sizes available on request!

**2 STRAND CHAIN SUSPENSION , VIP TYPE, 1M**

	WLL		ring height		ring width	
	[kg]	V [mm]	W [mm]			
KAH 0210	2100	110	60			
KAH 0350	3500	135	75			
KAH 0560	5600	160	90			
KAH 0950	9500	180	100			
KAH 1400	14000	200	110			
KAH 2240	22400	340	180			



Further sizes available on request!

**DOUBLE VARIO SUSPENSION, EXTRA LARGE RINGS**

	WLL		ring height		ring width	
	[kg]	V [mm]	W [mm]			
VAK 0200-16-2	2000	260	140			
VAK 0400-16-2	4000	260	140			
VAK 0600-16-2	6000	260	140			
VAK 1000-16-2	10000	260	140			
VAK 1600-16-2	16000	260	140			
VAK 2000-16-2	20000	260	140			



Further sizes available on request!

**2 DOUBLE BOLLARDS FOR ROUND SLINGS OR GRUMMETS**

	WLL	
	[kg]	
DOP 0100	1000	
DOP 0200	2000	
DOP 0300	3000	
DOP 0500	5000	
DOP 1000	10000	
DOP 2000	20000	



Further sizes available on request!

Please select: Hoisting points, load side

**AXZION MODULAR BEAM**

**SINGLE HOOK WITH SHACKLE**

	WLL		Jaw width	
	[kg]	V [mm]	W [mm]	
EHA 0050	500	18		
EHA 0100	1000	25		
EHA 0150	1500	32		
EHA 0200	2000	36		
EHA 0250	2500	40		
EHA 0500	5000	56		
EHA 1000	10000	80		



Further sizes available on request!

**SWIVEL HOOK WITH SLIDE BEARING AND SHACKLE**

	WLL		Jaw width	
	[kg]	V [mm]	W [mm]	
WHG 0050	500	19		
WHG 0100	1000	19		
WHG 0150	1500	24		
WHG 0200	2000	28		
WHG 0250	2500	33		
WHG 0500	5000	44		
WHG 1000	10000	69		



Further sizes available on request!

**SHACKLE PLATE WITH SHACKLE**


	WLL	
	[kg]	
SCH 0050	500	
SCH 0100	1000	
SCH 0150	1500	
SCH 0200	2000	
SCH 0250	2500	
SCH 0500	5000	
SCH 1000	10000	



Further sizes available on request!

**LONG HOOKS**


	WLL		Jaw width max.	
	[kg]	V [mm]	W [mm]	
LAH 0050	500	50		
LAH 0100	1000	60		
LAH 0200	2000	80		
LAH 0300	3000	80		
LAH 0500	5000	100		
LAH 1000	10000	150		



Further sizes available on request!

**FRAME PLATE ADJUSTABLE WITHOUT SHACKLE**


	WLL	
	[kg]	
SBV 0005	500	
SBV 0010	1000	
SBV 0015	1500	
SBV 0025	2500	
SBV 0030	3000	
SBV 0050	5000	
SBV 0100	10000	



Further sizes available on request!

**FRAME PLATE ADJUSTABLE WITH 2 SNAP HOOKS**

	WLL		Jaw width	
	[kg]	V [mm]	W [mm]	
SBV 0005	500	22		
SBV 0010	1000	22		
SBV 0015	1500	25		
SBV 0025	2500	33		
SBV 0030	3000	33		
SBV 0050	5000	43		
SBV 0100	10000	60		



Further sizes available on request!

**SHACKLE PLATE SUITABLE FOR SHACKLES**

	WLL	
	[kg]	
SLV 0300	3000	
SLV 0500	5000	
SLV 1000	10000	
SLV 2000	20000	



Further sizes available on request!

**HOISTING POINT VLBS**

	WLL		diameter	
	[kg]	V [mm]	W [mm]	
LBS 0150	1500	38		
LBS 0250	2500	45		
LBS 0400	4000	51		
LBS 0670	6700	67		
LBS 1000	10000	67		
LBS 1600	16000	100		



Further sizes available on request!

## AXZION BEAMS

Spreader beam, rigid with end sections  
Spreader beam, adjustable with end sections

### Information

- The beam is individually adapted to the customer's requirements in the work area
- Supporting capacities: 1000 to 200,000 kg
- Working length: 500 to 20,000 mm
- It is possible to hang a combination of three beams with two sub-beams attached to a top beam

Further product information can be found at:  
[www.axzion.de/Spreader-beams](http://www.axzion.de/Spreader-beams)



Spreader beam, rigid with head piece and adjustable with head piece

Due to the articulated arrangement of the connection plates, the beam only experiences compressive forces and no bending. The beam has a low dead weight with maximum performance.

### Spreader beam, rigid with end sections

	Load capacity [kg]	Length [mm]	Ring height [mm]	Ring width [mm]	Jaw width [mm]	Height t [mm]	Dead weight [kg]
STS02100100-VIP	2100	1000	110	60	25	840	23
STS02100200-VIP	2100	2000	110	60	25	1340	30
STS02100300-VIP	2100	3000	110	60	25	1840	44
STS02100400-VIP	2100	4000	110	60	25	2340	73
STS02100500-VIP	2100	5000	110	60	25	2840	88
STS02100600-VIP	2100	6000	110	60	25	3340	113
STS03500100-VIP	3500	1000	135	75	28	930	34
STS03500200-VIP	3500	2000	135	75	28	1430	46
STS03500300-VIP	3500	3000	135	75	28	1930	71
STS03500400-VIP	3500	4000	135	75	28	2430	87
STS03500500-VIP	3500	5000	135	75	28	2930	120
STS03500600-VIP	3500	6000	135	75	28	3430	161
STS05600100-VIP	5600	1000	160	90	36	1020	49
STS05600200-VIP	5600	2000	160	90	36	1520	70
STS05600300-VIP	5600	3000	160	90	36	2020	86
STS05600400-VIP	5600	4000	160	90	36	2520	118
STS05600500-VIP	5600	5000	160	90	36	3020	156
STS05600600-VIP	5600	6000	160	90	36	3520	180
STS09380100-VIP	9380	1000	180	100	50	1160	91
STS09380200-VIP	9380	2000	180	100	50	1660	114
STS09380300-VIP	9380	3000	180	100	50	2160	151
STS09380400-VIP	9380	4000	180	100	50	2660	177
STS09380500-VIP	9380	5000	180	100	50	3160	237
STS09380600-VIP	9380	6000	180	100	50	3660	252
STS14000100-VIP	14000	1000	200	110	56	1250	149
STS14000200-VIP	14000	2000	200	110	56	1750	178
STS14000300-VIP	14000	3000	200	110	56	2250	227
STS14000400-VIP	14000	4000	200	110	56	2750	263

### Spreader beam, adjustable with end sections

	Load capacity [kg]	Length max. [mm]	Length min. [mm]	Ring height [mm]	Ring width [mm]	Jaw width [mm]	Height t [mm]	Dead weight [kg]
STV02500100-VIP	2500	1000	1000	135	75	28	930	48
STV02500200-VIP	2500	2000	1500	135	75	28	1180	83
STV02500300-VIP	2500	3000	2000	135	75	28	1430	129
STV02500400-VIP	2500	4000	2750	135	75	28	1810	164
STV02500500-VIP	2500	5000	3250	135	75	28	2060	234
STV02500600-VIP	2500	6000	3500	135	75	28	2180	310
STV04000100-VIP	4000	1000	1250	160	90	36	1150	65
STV04000200-VIP	4000	2000	1750	160	90	36	1400	106
STV04000300-VIP	4000	3000	2250	160	90	36	1650	139
STV04000400-VIP	4000	4000	2750	160	90	36	1900	202
STV04000500-VIP	4000	5000	3250	160	90	36	2150	281
STV04000600-VIP	4000	6000	3750	160	90	36	2400	329
STV06700100-VIP	6700	1000	1250	180	100	50	1280	110
STV06700200-VIP	6700	2000	1750	180	100	50	1530	157
STV06700300-VIP	6700	3000	2250	180	100	50	1780	226
STV06700400-VIP	6700	4000	2750	180	100	50	2030	277
STV06700500-VIP	6700	5000	3250	180	100	50	2280	362
STV06700600-VIP	6700	6000	3750	180	100	50	2530	509
STV10000100-VIP	10000	1000	1250	200	110	56	1380	176
STV10000200-VIP	10000	2000	1750	200	110	56	1630	229
STV10000300-VIP	10000	3000	2500	200	110	56	2000	303
STV10000400-VIP	10000	4000	3000	200	110	56	2250	364
STV10000500-VIP	10000	5000	3500	200	110	56	2500	539
STV10000600-VIP	10000	6000	3750	200	110	56	2630	742
STV16000100-VIP	16000	1000	1250	340	180	71	1660	319
STV16000200-VIP	16000	2000	1750	340	180	71	1910	408
STV16000300-VIP	16000	3000	2250	340	180	71	2160	555
STV16000400-VIP	16000	4000	3000	340	180	71	2530	664

Spreader beam with shackle bar  
Axzion end sections



Spreader beam with shackle bar

Robust design, working range can be adjusted by changing the shackles.  
Crane-side with VLBS, suitable for 2 strand hangers (not included in the scope of delivery).

	Load capacity [kg]	Length [mm]	Height t [mm]	Dead weight [kg]
ASS 0300 0200 0	3000	2000	95	47
ASS 0300 0300 0	3000	3000	135	115
ASS 0300 0400 0	3000	4000	135	152
ASS 0300 0500 0	3000	5000	155	240
ASS 0300 0600 0	3000	6000	175	345
ASS 0500 0200 0	5000	2000	140	70
ASS 0500 0300 0	5000	3000	160	146
ASS 0500 0400 0	5000	4000	180	233
ASS 0500 0500 0	5000	5000	200	346
ASS 0500 0600 0	5000	6000	220	482
ASS 1000 0100 0	10000	1000	145	41
ASS 1000 0500 0	10000	5000	265	526
ASS 1000 0600 0	10000	6000	285	696
ASS 2000 0100 0	20000	1000	180	64
ASS 2000 0500 0	20000	5000	360	804
ASS 2000 0600 0	20000	6000	400	1048



Axzion end sections

Head pieces for spreader beams, for fast solutions. Make your beams yourself.  
Head pieces can be welded, complete with shackles.  
Please ask for a profile list!

	Load capacity per pair [kg]	Dead weight [kg]
STK 0650 0000 0	6500	32
STK 0950 0000 0	9500	60
STK 1700 0000 0	17000	133
STK 2400 0000 0	24000	184
STK 3400 0000 0	34000	380
STK 5000 0000 0	50000	472
STK 7000 0000 0	70000	920

## AXZION BEAMS

### Information

- The beam is individually adapted to the customer's requirements in the work area
- Load capacities: 1000 to 170,000 kg
- Working lengths: 500 to 12,000 mm
- It is possible to hang a combination of three beams with two sub-beams attached to a top beam.

Further product information can be found at:  
[www.axzion.de/Spreader-beams](http://www.axzion.de/Spreader-beams)

Further sizes available on request!

### Optional

- also pluggable available

Further product information can be found at:  
[www.axzion.de/Spreader-beams](http://www.axzion.de/Spreader-beams)

Further sizes available on request!

Further sizes available on request!





Optional

-Transport trolley

Vario-Beam  
Mountable modular beams

Combination of end sections with intermediate pieces in different lengths, easy to plug in, with flange screw connection. Load capacities up to max. 1,200 t, different module lengths

- Crane and load side with 2 pieces of standard shackles,
- Flexible suspension with round slings or grummetts
- Support feet
- Application length up to 30m

Further product information  
can be found at:  
[www.axzion.de/Vario-Beam](http://www.axzion.de/Vario-Beam)

Further details available on request!

Please ask for the matching round slings!



## AXZION BEAMS

### Information

- The beam is individually adapted to the customer's requirements in the working area
- Load capacities: 2,500 to 17,000 kg
- Working lengths: 500 to 6000 mm

Lightweight beam  
Spreader beam rigid, with double T-beam



Lightweight beam

Extremely lightweight construction equipped with RUD-ICE chains. Working area not adjustable. Due to the special clamping of the chains (patent pending), the beam only experiences compressive forces and no bending.

	Load capacity 45° [kg]	Length [mm]	Ring height V [mm]	Ring width V [mm]	Jaw width m [mm]	Height t [mm]	Dead weight [kg]
LTR 0250 0100 0	2500	1000	135	75	30	1250	19
LTR 0250 0200 0	2500	2000	135	75	30	1250	27
LTR 0250 0300 0	2500	3000	135	75	30	1250	37
LTR 0250 0400 0	2500	4000	135	75	30	1250	62
LTR 0425 0100 0	4250	1000	135	75	30	1250	29
LTR 0425 0200 0	4250	2000	135	75	30	1250	41
LTR 0425 0300 0	4250	3000	135	75	30	1250	56
LTR 0425 0400 0	4250	+4000	135	75	30	1250	93

Further product information  
can be found at:  
[www.axzion.de/Lightweight-beam](http://www.axzion.de/Lightweight-beam)

Further sizes available on request!

### Information

- Load capacities: 1000 bis 20,000 kg
- Working length: 500 to 6,000 mm



Spreader beam rigid, with double T-beam, simple design

Not adjustable. Simple design for 45° inclination angle. The beam is individually adapted to the customer's requirements in the work area. Load capacities: 1000 to 20,000 kg, working lengths: 500 to 6,000 mm. It is possible to have a combination of three beams, in which two sub-beams are attached to an upper cross-member.

	Load capacity 45° [kg]	Length [mm]	Ring height V [mm]	Ring width V [mm]	Height t [mm]	Dead weight [kg]
STS04200200-2	4200	2000	160	90	1480	61
STS04200300-2	4200	3000	160	90	1980	93
STS04200400-2	4200	4000	160	90	2480	121
STS11200300-2	11200	3000	200	110	2180	196
STS11200400-2	11200	4000	200	110	2680	263
STS21000200-2	21000	2000	250	150	1960	385
STS21000400-2	21000	4000	250	150	2960	519

Further product information  
can be found at:  
[www.axzion.de/Spreader-beams](http://www.axzion.de/Spreader-beams)

Further sizes available on request!

Frame beam, rigid  
Frame beam, removable



Frame beam, rigid and detachable

Lightweight beam for spatial loads and easy to dismantle for easy transport. Complete with 4-strand chain suspension (GK 10 or GK 8), angle of inclination 45° with even load distribution, crane-side equipped with 4 shackles, optionally with single hook or swivel hook.

Frame beam, rigid

	Load capacity 45° [kg]	Length [mm]	Width [mm]	Ring height [mm]	Ring width [mm]	Jaw width m [mm]	Dead weight [kg]
RTS0315010010-0	3150	1000	1000	135	75	25	34
RTS0315010005-0	3150	1000	500	135	75	25	29
RTS0315020020-0	3150	2000	2000	135	75	25	59
RTS0315020010-0	3150	2000	1000	135	75	25	48
RTS0315030030-0	3150	3000	3000	135	75	25	111
RTS0315030020-0	3150	3000	2000	135	75	25	95
RTS0315030010-0	3150	3000	1000	135	75	25	79
RTS0315040040-0	3150	4000	4000	135	75	25	227
RTS0315040030-0	3150	4000	3000	135	75	25	201
RTS0315040020-0	3150	4000	2000	135	75	25	174
RTS0315040010-0	3150	4000	1000	135	75	25	148
RTS0525010010-0	5250	1000	1000	160	90	25	43
RTS0525010005-0	5250	1000	500	160	90	25	38
RTS0525020020-0	5250	2000	2000	160	90	25	88
RTS0525020010-0	5250	2000	1000	160	90	25	72
RTS0525030030-0	5250	3000	3000	160	90	25	184
RTS0525030020-0	5250	3000	2000	160	90	25	158
RTS0525030010-0	5250	3000	1000	160	90	25	132
RTS0525040040-0	5250	4000	4000	160	90	25	241
RTS0525040030-0	5250	4000	3000	160	90	25	215
RTS0525040020-0	5250	4000	2000	160	90	25	189
RTS0525040010-0	5250	4000	1000	160	90	25	162
RTS0840010010-0	8400	1000	1000	180	100	30	75
RTS0840010005-0	8400	1000	500	180	100	30	67
RTS0840020020-0	8400	2000	2000	180	100	30	153
RTS0840020010-0	8400	2000	1000	180	100	30	127
RTS0840030030-0	8400	3000	3000	180	100	30	213
RTS0840030020-0	8400	3000	2000	180	100	30	186
RTS0840030010-0	8400	3000	1000	180	100	30	160
RTS0840040040-0	8400	4000	4000	180	100	30	331
RTS0840040030-0	8400	4000	3000	180	100	30	297
RTS0840040020-0	8400	4000	2000	180	100	30	263
RTS0840040010-0	8400	4000	1000	180	100	30	229
RTS1400010010-0	14000	1000	1000	180	100	35	105
RTS1400010005-0	14000	1000	500	180	100	35	92
RTS1400020020-0	14000	2000	2000	180	100	35	179
RTS1400020010-0	14000	2000	1000	180	100	35	149
RTS1400030030-0	14000	3000	3000	180	100	35	311
RTS1400030020-0	14000	3000	2000	180	100	35	269
RTS1400030010-0	14000	3000	1000	180	100	35	228
RTS1400040040-0	14000	4000	4000	180	100	35	400
RTS1400040030-0	14000	4000	3000	180	100	35	359
RTS1400040020-0	14000	4000	2000	180	100	35	318
RTS1400040010-0	14000	4000	1000	180	100	35	276

Frame beam, removable

	Load capacity 45° [kg]	Length [mm]	Width [mm]	Ring height [mm]	Ring width [mm]	Jaw width m [mm]	Dead weight [kg]
RTS0315010010-1	3150	1000	1000	135	75	25	38
RTS0315010005-1	3150	1000	500	135	75	25	32
RTS0315020020-1	3150	2000	2000	135	75	25	66
RTS0315020010-1	3150	2000	1000	135	75	25	53
RTS0315030030-1	3150	3000	3000	135	75	25	122
RTS0315030020-1	3150	3000	2000	135	75	25	105
RTS0315030010-1	3150	3000	1000	135	75	25	87
RTS0315040040-1	3150	4000	4000	135	75	25	250
RTS0315040030-1	3150	4000	3000	135	75	25	221
RTS0315040020-1	3150	4000	2000	135	75	25	192
RTS0315040010-1	3150	4000	1000	135	75	25	163
RTS0525010010-1	5250	1000	1000	160	90	25	48
RTS0525010005-1	5250	1000	500	160	90	25	41
RTS0525020020-1	5250	2000	2000	160	90	25	96
RTS0525020010-1	5250	2000	1000	160	90	25	79
RTS0525030030-1	5250	3000	3000	160	90	25	203
RTS0525030020-1	5250	3000	2000	160	90	25	174
RTS0525030010-1	5250	3000	1000	160	90	25	145
RTS0525040040-1	5250	4000	4000	160	90	25	266
RTS0525040030-1	5250	4000	3000	160	90	25	237
RTS0525040020-1	5250	4000	2000	160	90	25	207
RTS0525040010-1	5250	4000	1000	160	90	25	178
RTS0840010010-1	8400	1000	1000	180	100	30	82
RTS0840010005-1	8400	1000	500	180	100	30	74
RTS0840020020-1	8400	2000	2000	180	100	30	168
RTS0840020010-1	8400	2000	1000	180	100	30	139
RTS0840030030-1	8400	3000	3000	180	100	30	234
RTS0840030020-1	8400	3000	2000	180	100	30	205
RTS0840030010-1	8400	3000	1000	180	100	30	176
RTS0840040040-1	8400	4000	4000	180	100	30	365
RTS0840040030-1	8400	4000	3000	180	100	30	327
RTS0840040020-1	8400	4000	2000	180	100	30	290
RTS0840040010-1	8400	4000	1000	180	100	30	252
RTS1400010010-1	14000	1000	1000	180	100	35	115
RTS1400010005-1	14000	1000	500	180	100	35	101
RTS1400020020-1	14000	2000	2000	180	100	35	197
RTS1400020010-1	14000	2000	1000	180	100	35	163
RTS1400030030-1	14000	3000	3000	180	100	35	342
RTS1400030020-1	14000	3000	2000	180	100	35	296
RTS1400030010-1	14000	3000	1000	180	100	35	251
RTS1400040040-1	14000	4000	4000	180	100	35	440
RTS1400040030-1	14000	4000	3000	180	100	35	395
RTS1400040020-1	14000	4000	2000	180	100	35	349
RTS1400040010-1	14000	4000	1000	180	100	35	304

## AXZION BEAMS

### Information

- Load capacities: 500 to 200,000 kg
- Working lengths / width: 500 to 6000 mm
- Larger dimensions possible

### Optional

- Chain suspension with chain shortening for balance adjustment or for different load sizes
- Beam dimensions according to individual requirements
- Optional with single or rotator hooks

Further product information  
can be found at:  
[www.axzion.de/Frame-beam](http://www.axzion.de/Frame-beam)

## AXZION BEAMS

### Information

- Load capacities: 500 to 200,000 kg
- Working lengths / width: 500 to 6000 mm
- Larger dimensions possible

### Optional

- Telescopic
- Arms can be swivelled (adjustable working range)
- Rotator hooks or chains
- Beam dimensions according to individual requirements

Further product information can be found at:  
[www.axzion.de/Crossbeam](http://www.axzion.de/Crossbeam)

### Information

- Load capacities: 500 to 200,000 kg
- Working lengths: 500 to 6,000 mm
- Larger dimensions possible

### Optional

- Rotator hooks or chains
- Beam dimensions according to individual requirements

Further product information can be found at:  
[www.axzion.de/3-arm-beam](http://www.axzion.de/3-arm-beam)

Cross-beam  
3-arm beam



Crossbeam

Robust beam for spatial loads with four support arms at an angle of 90°. Crane side with eye suspension, load side equipped with 4 single hooks.

Prices and Productinformation available on request!



3-arm beam

Robust beam for spatial loads with three support arms at an angle of 120°. Crane side with eye suspension, load-side equipped with 3 single hooks.

Prices and Productinformation available on request!

Axzion beam, rigid  
Axzion beam, adjustable



Axzion beam, rigid

	Load capacity [kg]	Length [mm]	Eye height V [mm]	Eye width W [mm]	Jaw width m [mm]	Height t [mm]	Dead weight [kg]
<b>AXS 0100 0100 0</b>	1000	1000	100	50	18	310	9
<b>AXS 0100 0200 0</b>	1000	2000	100	50	18	330	19
<b>AXS 0100 0300 0</b>	1000	3000	100	50	18	330	54
<b>AXS 0100 0400 0</b>	1000	4000	100	50	18	330	86
<b>AXS 0100 0500 0</b>	1000	5000	100	50	18	330	106
<b>AXS 0100 0600 0</b>	1000	6000	100	50	18	350	165
<b>AXS 0200 0100 0</b>	2000	1000	130	65	25	410	14
<b>AXS 0200 0200 0</b>	2000	2000	130	65	25	410	48
<b>AXS 0200 0300 0</b>	2000	3000	130	65	25	430	89
<b>AXS 0200 0400 0</b>	2000	4000	130	65	25	430	114
<b>AXS 0200 0500 0</b>	2000	5000	130	65	25	450	177
<b>AXS 0200 0600 0</b>	2000	6000	130	65	25	470	266
<b>AXS 0300 0100 0</b>	3000	1000	150	70	32	490	18
<b>AXS 0300 0200 0</b>	3000	2000	150	70	32	470	50
<b>AXS 0300 0300 0</b>	3000	3000	150	70	32	510	112
<b>AXS 0300 0400 0</b>	3000	4000	150	70	32	510	145
<b>AXS 0300 0500 0</b>	3000	5000	150	70	32	530	225
<b>AXS 0300 0600 0</b>	3000	6000	150	70	32	550	321
<b>AXS 0500 0100 0</b>	5000	1000	190	85	40	580	36
<b>AXS 0500 0200 0</b>	5000	2000	190	85	40	620	85
<b>AXS 0500 0300 0</b>	5000	3000	190	85	40	640	147
<b>AXS 0500 0400 0</b>	5000	4000	190	85	40	660	225
<b>AXS 0500 0500 0</b>	5000	5000	190	85	40	680	329
<b>AXS 0500 0600 0</b>	5000	6000	190	85	40	700	453
<b>AXS 1000 0100 0</b>	10000	1000	270	120	56	810	73
<b>AXS 1000 0200 0</b>	10000	2000	270	120	56	850	145
<b>AXS 1000 0300 0</b>	10000	3000	270	120	56	870	228
<b>AXS 1000 0400 0</b>	10000	4000	270	120	56	910	380
<b>AXS 1000 0500 0</b>	10000	5000	270	120	56	930	514
<b>AXS 1000 0600 0</b>	10000	6000	270	120	56	950	669
<b>AXS 2000 0100 0</b>	20000	1000	360	160	80	1100	151
<b>AXS 2000 0200 0</b>	20000	2000	360	160	80	1160	270
<b>AXS 2000 0300 0</b>	20000	3000	360	160	80	1200	417
<b>AXS 2000 0400 0</b>	20000	4000	360	160	80	1240	619
<b>AXS 2000 0500 0</b>	20000	5000	360	160	80	1280	823
<b>AXS 2000 0600 0</b>	20000	6000	360	160	80	1320	1045

## AXZION BEAMS

Further product information can be found at:  
[www.axzion.de/beams](http://www.axzion.de/beams)

Further sizes available on request!

Axzion beam, adjustable

	Load capacity [kg]	Length max. [mm]	Length min. [mm]	Eye height V [mm]	Eye width W [mm]	Jaw width m [mm]	Height t [mm]	Dead weight [mm]
<b>AXV 0100 0100 0</b>	1000	1000	500	100	50	18	390	23
<b>AXV 0100 0200 0</b>	1000	2000	1000	100	50	18	410	41
<b>AXV 0100 0300 0</b>	1000	3000	1500	100	50	18	410	84
<b>AXV 0100 0400 0</b>	1000	4000	2000	100	50	18	410	122
<b>AXV 0100 0500 0</b>	1000	5000	3000	100	50	18	410	142
<b>AXV 0100 0600 0</b>	1000	6000	3000	100	50	18	440	237
<b>AXV 0200 0100 0</b>	2000	1000	500	130	65	25	500	31
<b>AXV 0200 0200 0</b>	2000	2000	1000	130	65	25	510	76
<b>AXV 0200 0300 0</b>	2000	3000	1500	130	65	25	530	125
<b>AXV 0200 0400 0</b>	2000	4000	2000	130	65	25	530	157
<b>AXV 0200 0500 0</b>	2000	5000	3000	130	65	25	550	223
<b>AXV 0200 0600 0</b>	2000	6000	3000	130	65	25	580	349
<b>AXV 0300 0100 0</b>	3000	1000	500	150	70	32	580	38
<b>AXV 0300 0200 0</b>	3000	2000	1000	150	70	32	570	79
<b>AXV 0300 0300 0</b>	3000	3000	1500	150	70	32	610	153
<b>AXV 0300 0400 0</b>	3000	4000	2000	150	70	32	610	193
<b>AXV 0300 0500 0</b>	3000	5000	3000	150	70	32	640	277
<b>AXV 0300 0600 0</b>	3000	6000	3000	150	70	32	660	410
<b>AXV 0500 0100 0</b>	5000	1000	500	190	85	40	710	71
<b>AXV 0500 0200 0</b>	5000	2000	1000	190	85	40	750	138
<b>AXV 0500 0300 0</b>	5000	3000	1500	190	85	40	780	213
<b>AXV 0500 0400 0</b>	5000	4000	2000	190	85	40	800	304
<b>AXV 0500 0500 0</b>	5000	5000	3000	190	85	40	820	415
<b>AXV 0500 0600 0</b>	5000	6000	3000	190	85	40	850	582
<b>AXV 1000 0100 0</b>	10000	1000	500	270	120	56	970	139
<b>AXV 1000 0200 0</b>	10000	2000	1000	270	120	56	1020	238
<b>AXV 1000 0300 0</b>	10000	3000	1500	270	120	56	1040	338
<b>AXV 1000 0400 0</b>	10000	4000	2000	270	120	56	1090	520
<b>AXV 1000 0500 0</b>	10000	5000	3000	270	120	56	1110	666
<b>AXV 1000 0600 0</b>	10000	6000	3000	270	120	56	1130	868
<b>AXV 2000 0100 0</b>	20000	1000	500	360	160	80	1290	279
<b>AXV 2000 0200 0</b>	20000	2000	1000	360	160	80	1360	457
<b>AXV 2000 0300 0</b>	20000	3000	1500	360	160	80	1410	647
<b>AXV 2000 0400 0</b>	20000	4000	2000	360	160	80	1450	884
<b>AXV 2000 0500 0</b>	20000	5000	3000	360	160	80	1490	1101
<b>AXV 2000 0600 0</b>	20000	6000	3000	360	160	80	1530	1389

Information

- The beam is individually adapted to the customer's requirements in the work area
- Load capacities: 1000 to 200,000 kg
- Working length: 500 to 20,000 mm

Runner beam



Runner beam

**Pendulum protection by innovative design**

A raster is incorporated into the robust steel profiles. This new design (patent pending) improves the stability considerably. The load has to be repositioned much less frequently and the transport process becomes faster and safer.

**Crane side with 2 pieces of double bollards.**

As a result, a flexible suspension can be implemented with round slings or grumnets, which fits both single and double crane hooks.

**Load-side** with double bollards, suitable for cables and round slings.

	Load capacity [kg]	Length max. [mm]	Length min. [mm]	Height t [mm]	Dead weight ca. [kg]
LÄT 0100 0100 0	1000	1000	500	1280	23
LÄT 0100 0200 0	1000	2000	1000	1300	40
LÄT 0100 0300 0	1000	3000	1500	1300	84
LÄT 0100 0400 0	1000	4000	2000	1300	122
LÄT 0100 0500 0	1000	5000	3000	1300	142
LÄT 0100 0600 0	1000	6000	3000	1330	237
LÄT 0200 0100 0	2000	1000	500	1355	30
LÄT 0200 0200 0	2000	2000	1000	1385	75
LÄT 0200 0300 0	2000	3000	1500	1385	124
LÄT 0200 0400 0	2000	4000	2000	1385	157
LÄT 0200 0500 0	2000	5000	3000	1405	222
LÄT 0200 0600 0	2000	6000	3000	1435	348
LÄT 0300 0100 0	3000	1000	500	1415	37
LÄT 0300 0200 0	3000	2000	1000	1405	78
LÄT 0300 0300 0	3000	3000	1500	1445	153
LÄT 0300 0400 0	3000	4000	2000	1445	193
LÄT 0300 0500 0	3000	5000	3000	1475	276
LÄT 0300 0600 0	3000	6000	3000	1495	409
LÄT 0500 0200 0	5000	2000	1000	1540	136
LÄT 0500 0300 0	5000	3000	1500	1570	211
LÄT 0500 0400 0	5000	4000	2000	1590	302
LÄT 0500 0500 0	5000	5000	3000	1610	413
LÄT 0500 0600 0	5000	6000	3000	1640	580
LÄT 1000 0200 0	10000	2000	1000	1725	230
LÄT 1000 0300 0	10000	3000	1500	1745	330
LÄT 1000 0400 0	10000	4000	2000	1795	512
LÄT 1000 0500 0	10000	5000	3000	1815	658
LÄT 1000 0600 0	10000	6000	3000	1835	860
LÄT 2000 0200 0	20000	2000	1000	1980	437
LÄT 2000 0300 0	20000	3000	1500	2010	627
LÄT 2000 0400 0	20000	4000	2000	2050	864
LÄT 2000 0500 0	20000	5000	3000	2090	1080
LÄT 2000 0600 0	20000	6000	3000	2130	1348
LÄT 2500 0100 0	25000	1000	500	1800	230

Further product information can be found at: [www.axzion.de/Runner-beam](http://www.axzion.de/Runner-beam)

Further sizes available on request!

2-crane beam



2-crane beam

Two cranes can be coupled with the 2-crane beam so that the load-bearing capacities are cumulative. A crane hook suspension DIN 15411 with single crane hook DIN 15401 or double crane hook DIN 15402 is used on the load side.

	Load capacity [kg]	Length max. [mm]	Eye height V [mm]	Eye width W [mm]	Jaw width m [mm]	Height t [mm]	Dead weight ca. [kg]
DHS 0800 0500 0	8000	5000	170	80	40	980	460
DHS 0800 0600 0	8000	6000	170	80	40	1000	600
DHS 1000 0200 0	10000	2000	190	85	46	1010	150
DHS 1000 0300 0	10000	3000	190	85	46	1030	230
DHS 1000 0400 0	10000	4000	190	85	46	1070	380
DHS 1000 0500 0	10000	5000	190	85	46	1090	520
DHS 1000 0600 0	10000	6000	190	85	46	1110	670
DHS 2000 0200 0	20000	2000	270	120	70	1360	280
DHS 2000 0300 0	20000	3000	270	120	70	1400	420
DHS 2000 0400 0	20000	4000	270	120	70	1440	620
DHS 2000 0500 0	20000	5000	270	120	70	1480	830
DHS 2000 0600 0	20000	6000	270	120	70	1520	1050
DHS 2500 0200 0	25000	2000	320	140	80	1460	320
HS 2500 0300 0	25000	3000	320	140	80	1500	480
DHS 2500 0400 0	25000	4000	320	140	80	1560	700
DHS 2500 0500 0	25000	5000	320	140	80	1600	910
DHS 2500 0600 0	25000	6000	320	140	80	1650	1170
DHS 3000 0300 0	30000	3000	360	160	80	1590	540
DHS 3000 0400 0	30000	4000	360	160	80	1670	790
DHS 3000 0500 0	30000	5000	360	160	80	1720	1020
DHS 3000 0600 0	30000	6000	360	160	80	1770	1290
DHS 4000 0200 0	40000	2000	360	160	97	1780	480
DHS 4000 0300 0	40000	3000	360	160	97	1840	670
DHS 4000 0400 0	40000	4000	360	160	97	1930	930
DHS 4000 0500 0	40000	5000	360	160	97	1980	1180
DHS 4000 0600 0	40000	6000	360	160	97	2080	1530
DHS 5000 0300 0	50000	3000	400	160	110	2050	800
DHS 5000 0400 0	50000	4000	400	160	110	2150	1090
DHS 5000 0500 0	50000	5000	400	160	110	2250	1410
DHS 5000 0600 0	50000	6000	400	160	110	2300	1700
DHS 6000 0300 0	60000	3000	450	170	125	2230	950
DHS 6000 0400 0	60000	4000	450	170	125	2330	1230
DHS 6000 0500 0	60000	5000	450	170	125	2430	1560
DHS 6000 0600 0	60000	6000	450	170	125	2480	1890

Information

- The beam is individually adapted to the customer's requirements in the work area
- Load capacities: 1000 to 500,000 kg
- Working lengths: 500 to 40,000 mm

Optional

- Coupling suspension for the use of three (3) or four (4) cranes
- Special solutions

Further product information can be found at: [www.axzion.de/2-crane-beam](http://www.axzion.de/2-crane-beam)

Further sizes available on request!

## AXZION BEAMS

Long hook, rigid  
Long hook, telescopic

### Information

- Lifting capacities: 500 to 200,000 kg
- Working width: 500 to 6000 mm
- Larger dimensions possible

### Optional

- Combination with 2-crane beam
- Driven turntable

Further product information  
can be found at:  
[www.axzion.de/Long-hook-crossbar](http://www.axzion.de/Long-hook-crossbar)



Long hook, rigid or telescopic

Robust design for foil or paper rolls, rigid or adjustable to different roll widths, telescopic. Crane-side with eye suspension, load-side equipped with 2 fired long hooks.

### Long hook, rigid

	Load capacity [kg]	Length [mm]	Eye height [mm]	Eye width [mm]	Jaw width [mm]	Height t [mm]	Dead weight [kg]
LHS 0100 0050 0	1000	500	100	50	50	1190	24
LHS 0100 0100 0	1000	1000	100	50	50	1190	27
LHS 0100 0150 0	1000	1500	100	50	50	1210	33
LHS 0100 0200 0	1000	2000	100	50	50	1210	37
LHS 0100 0250 0	1000	2500	100	50	50	1230	47
LHS 0100 0300 0	1000	3000	100	50	50	1210	72
LHS 0200 0050 0	2000	500	130	65	60	1220	41
LHS 0200 0100 0	2000	1000	130	65	60	1240	47
LHS 0200 0150 0	2000	1500	130	65	60	1260	54
LHS 0200 0200 0	2000	2000	130	65	60	1240	80
LHS 0200 0250 0	2000	2500	130	65	60	1240	91
LHS 0200 0300 0	2000	3000	130	65	60	1260	120
LHS 0300 0100 0	3000	1000	150	70	80	1280	81
LHS 0300 0150 0	3000	1500	150	70	80	1260	102
LHS 0300 0200 0	3000	2000	150	70	80	1260	112
LHS 0300 0250 0	3000	2500	150	70	80	1280	139
LHS 0300 0300 0	3000	3000	150	70	80	1300	174
LHS 0500 0150 0	5000	1500	190	85	80	1330	116
LHS 0500 0200 0	5000	2000	190	85	80	1350	144
LHS 0500 0250 0	5000	2500	190	85	80	1350	161
LHS 0500 0300 0	5000	3000	190	85	80	1370	206
LHS 0500 0400 0	5000	4000	190	85	80	1390	284
LHS 1000 0050 0	10000	500	270	120	100	1400	118
LHS 1000 0100 0	10000	1000	270	120	100	1440	143
LHS 1000 0150 0	10000	1500	270	120	100	1460	175
LHS 1000 0200 0	10000	2000	270	120	100	1480	215
LHS 1000 0250 0	10000	2500	270	120	100	1500	267
LHS 1000 0300 0	10000	3000	270	120	100	1500	297
LHS 1000 0400 0	10000	4000	270	120	100	1540	450
LHS 2000 0050 0	20000	500	360	160	150	1540	292
LHS 2000 0100 0	20000	1000	360	160	150	1580	329
LHS 2000 0150 0	20000	1500	360	160	150	1600	371
LHS 2000 0200 0	20000	2000	360	160	150	1640	449
LHS 2000 0250 0	20000	2500	360	160	150	1660	517
LHS 2000 0300 0	20000	3000	360	160	150	1680	595

### Long hook, telescopic

	Load capacity [kg]	Length max. [mm]	Length min. [mm]	Eye height [mm]	Eye width [mm]	Jaw width [mm]	Height t [mm]	Dead weight [kg]
LHV 0100 0050 0	1000	500	300	100	50	50	1270	34
LHV 0100 0100 0	1000	1000	500	100	50	50	1270	41
LHV 0100 0150 0	1000	1500	1000	100	50	50	1290	48
LHV 0100 0200 0	1000	2000	1000	100	50	50	1290	58
LHV 0100 0250 0	1000	2500	1500	100	50	50	1310	69
LHV 0100 0300 0	1000	3000	1500	100	50	50	1290	102
LHV 0100 0400 0	1000	4000	2000	100	50	50	1290	140
LHV 0200 0050 0	2000	500	300	130	65	60	1310	54
LHV 0200 0100 0	2000	1000	500	130	65	60	1330	64
LHV 0200 0150 0	2000	1500	1000	130	65	60	1350	73
LHV 0200 0200 0	2000	2000	1000	130	65	60	1340	108
LHV 0200 0250 0	2000	2500	1500	130	65	60	1340	119
LHV 0200 0300 0	2000	3000	1500	130	65	60	1360	157
LHV 0200 0400 0	2000	4000	2000	130	65	60	1360	190
LHV 0300 0050 0	3000	500	300	150	70	80	1350	89
LHV 0300 0100 0	3000	1000	500	150	70	80	1370	101
LHV 0300 0150 0	3000	1500	1000	150	70	80	1360	125
LHV 0300 0200 0	3000	2000	1000	150	70	80	1360	142
LHV 0300 0250 0	3000	2500	1500	150	70	80	1380	171
LHV 0300 0300 0	3000	3000	1500	150	70	80	1400	216
LHV 0300 0400 0	3000	4000	2000	150	70	80	1400	256
LHV 0500 0050 0	5000	500	300	190	85	80	1450	103
LHV 0500 0100 0	5000	1000	500	190	85	80	1440	129
LHV 0500 0150 0	5000	1500	1000	190	85	80	1460	156
LHV 0500 0200 0	5000	2000	1000	190	85	80	1480	197
LHV 0500 0250 0	5000	2500	1500	190	85	80	1480	214
LHV 0500 0300 0	5000	3000	1500	190	85	80	1510	272
LHV 0500 0400 0	5000	4000	2000	190	85	80	1530	363
LHV 1000 0200 0	10000	2000	1000	270	120	100	1650	308
LHV 1000 0250 0	10000	2500	1500	270	120	100	1670	371
LHV 1000 0300 0	10000	3000	1500	270	120	100	1670	408
LHV 1000 0400 0	10000	4000	2000	270	120	100	1720	589
LHV 2000 0200 0	20000	2000	1000	360	160	150	1840	636
LHV 2000 0250 0	20000	2500	1500	360	160	150	1870	722
LHV 2000 0300 0	20000	3000	1500	360	160	150	1890	826

BIGBAG beam, standard or stainless steel  
Wire mesh box beam



BIGBAG cross-member, standard or stainless steel

Robust design, suitable for big bags. Crane-side with eye suspension for single hooks DIN 15401; Load side with four fired hooks for BigBag loops.

	Version	Load capacity [kg]	Width max. [mm]	Dead weight [kg]
BBT 0100 0900 0	normal	1000	900	20
BBT 0200 0900 0	normal	2000	900	25
BBT 0100 0900 1	stainless steel	1000	900	20



Wire mesh box beam

Wire mesh box beam, crane-side with eye suspension for single hooks DIN 15401; Load side with a rigid and a rotating pair of hooks. Fits for wire mesh boxes according to DIN 15155.

	Load capacity [kg]	Eye height V [mm]	Eye width W [mm]
GXT 0100 0125 0	1000	100	50
GXT 0200 0125 0	2000	130	65

## AXZION BEAMS

Further product information  
can be found at:  
[www.axzion.de/BIGBAG-beam](http://www.axzion.de/BIGBAG-beam)

Further sizes available on request!

### Optional

- four long hooks for transporting stacked wire mesh boxes

Further product information  
can be found at:  
[www.axzion.de/Wire-mesh-box-beam](http://www.axzion.de/Wire-mesh-box-beam)

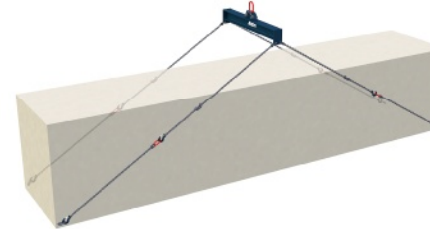
Further sizes available on request!

## AXZION CONTAINER BEAM



## Container cross-beam standard

### Container cross-beam with mechanical central locking system



## Container cross-beam standard

Robust cross-beam suitable for lifting 10", 20" or 40" ISO containers. Crane-side with Vario suspension, load-side equipped with 2x2 chains GK 10 or GK 8, complete with container hooks.

	Load capacity [kg]	Eye height V [mm]	Eye width W [mm]	Dead weight [kg]	Price [EUR]
<b>CTR 1600 0020 0</b>	16000	1000	140	404	4.376,30
<b>CTR 2500 0020 0</b>	25000	2000	150	544	6.252,20
<b>CTR 2000 0020 0</b>	20000	1000	140	482	6.340,80
<b>CTR 4000 0020 0</b>	40000	2000	200	773	11.530,20
<b>CTR 4000 0040 0</b>	40000	1000	200	921	13.435,80



## Container cross-beam with mechanical central locking system

The cross-beam is a cost-effective compromise for all users who do not have a container terminal and want to lift containers with an existing crane system. Connect at the upper ISO container corners of the 20" container. Working widths: 10", 20", 40" standard ISO containers. Crane-side with eye suspension, adjustable on load centre in the longitudinal direction by simple movement of the crane. Load-side with 4 pieces of ISO bolts, rotatable to 90° for locking.

	locking system	Load capacity [kg]	Size	Dead weight ca. [kg]
<b>CTS 1000 0010 1</b>	mechanical central locking system	10000	10 Iso Container	750
<b>CTS 1000 0020 1</b>	mechanical central locking system	10000	20 Iso Container	1350
<b>CTS 2000 0020 1</b>	mechanical central locking system	20000	20 Iso Container	2080
<b>CTS 2000 0040 1</b>	mechanical central locking system	20000	40 Iso Container	5200
<b>CTS 2500 0020 1</b>	mechanical central locking system	25000	20 Iso Container	2150
<b>CTS 2500 0030 1</b>	mechanical central locking system	25000	40 Iso Container	5650
<b>CTS 3000 0020 1</b>	mechanical central locking system	30000	20 Iso Container	2450
<b>CTS 3000 0040 1</b>	mechanical central locking system	30000	40 Iso Container	6150
<b>CTS 3000 0020 2</b>	electromechanical locking system	30000	20 Iso Container	2450
<b>CTS 3000 0040 2</b>	electromechanical locking system	30000	40 Iso Container	6150

## AXZION CONTAINER BEAM

### Information

- Load capacities: 5.000 to 40.000 kg

### Optional

- 2x2 chain shortening including additional length of the chains suitable for adjustment to different load centres in the longitudinal direction

Further product information can be found at: [www.axzion.de/Container-beam](http://www.axzion.de/Container-beam)

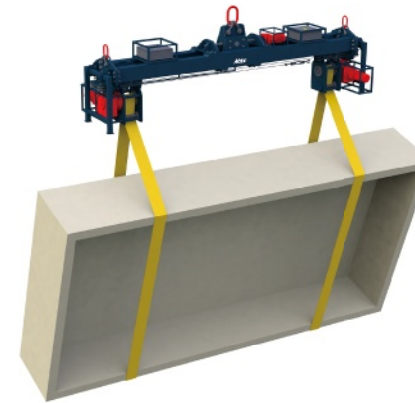
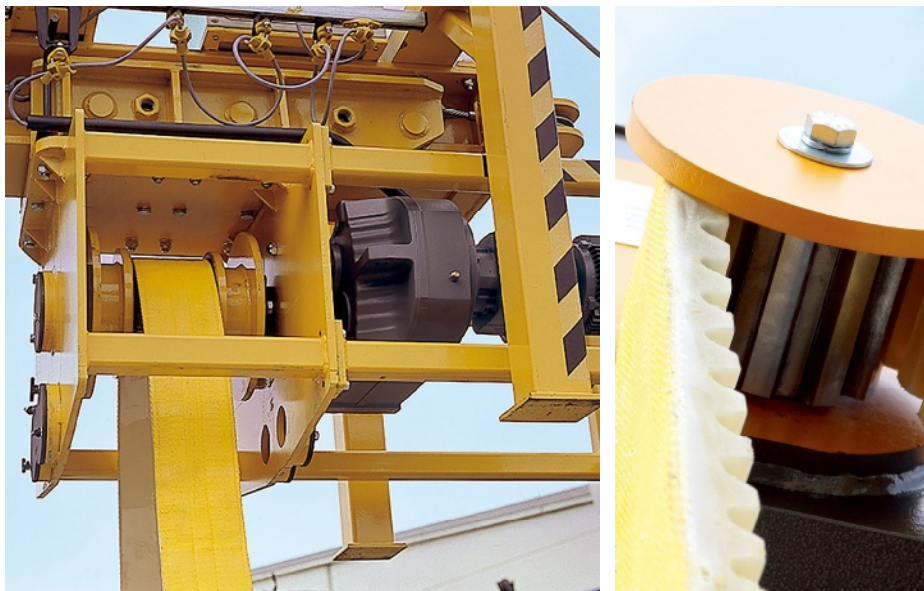
Further sizes available on request!

### Optional

- Electric locking by energy-saving electric cylinders
- Remote control or hand-held remote control
- External power supply via the crane or mains independent gel battery
- Signals for locking and load operation

Further product information can be found at: [www.axzion.de/Container-beam](http://www.axzion.de/Container-beam)

Further sizes available on request!



Axzion Turnmaster Vario

Machines and cast components must be used frequently during the production process and for shipping. The components are becoming ever larger, the demands on quality always higher. Expensive crane systems are blocked for hours; large production areas have to be blocked for an extended period of time. Axzion-GKS has developed Turnmaster rotator cross-beams for the economical and safe handling of heavy loads, which are very easy to use and usually pay off after a short time.

With the Turnmaster Vario, the lifting straps are pushed to the appropriate points and the rotating rollers align themselves. After lifting, the crane-side suspension is simply moved over the load centre by pushing the button and the rotation process can begin.

The toothed rotating rollers combined with the secuwave coating reliably transfer the torque to the load. The teeth of the coating cling to the load. Slipping is no longer possible.

The precise centre of load of machines or large structures is often not known to the hoister. The many attachments make a reliable assessment almost impossible. The centre of load can still move during the turning process.

	Load capacity (kg)	Length max. (mm)	Eye height V (mm)	Eye width W (mm)	Jaw width m (mm)	Height t (mm)	Dead weight (kg)
<b>TMV 0500 0400</b>	5000	4000	180	105	60	10000	890
<b>TMV 0800 0400</b>	8000	4000	240	140	90	10000	980
<b>TMV 1000 0400</b>	10000	4000	240	140	90	10000	1010
<b>TMV 1500 0400</b>	15000	4000	350	200	150	12000	1560
<b>TMV 2000 0400</b>	20000	4000	350	200	240	1200	1680

**Product features:**

- Electromechanically adjustable Vario suspension for adjustment of the system inclination
- With 2 rotating rollers continuously adjustable, mounted on trolleys with automatic cable compensation
- Individually driven rotating rollers and separately controllable
- Complete with rotating bands with Secuwave coating and C-shaped quick-release fastener
- Electric actuation via 6 m cable manual button
- Only for bending-resistant loads

**Videoinformation:** <https://www.youtube.com/watch?v=Vka0bavkMz4>

**Optional**

- Equipment for outdoor use
- Radio remote control
- With chains or woven wire mesh belts

**Further product information can be found at:**  
[www.axzion.de/Rotator-beams](http://www.axzion.de/Rotator-beams)

**Further sizes available on request!**

## AXZION ROTATOR BEAMS

### Optional

- Rotating belts with C-shaped quick release fastener

Further product information can be found at:  
[www.axzion.de/Rotator-beams](http://www.axzion.de/Rotator-beams)

Further sizes available on request!

### Optional

- Turning belts with C-strap quick release

Further product information can be found at:  
[www.axzion.de/Rotating-roller](http://www.axzion.de/Rotating-roller)

Further sizes available on request!

Axzion rotator cross-beam, manual  
Rotator cross-beam, manual



Axzion rotator cross-beam, manual

The manual rotator cross-beam is only suitable for rotationally symmetrical loads due to the manual drive. The adjustment to the load centre is carried out by hanging on the rotating rollers. Crane-side with eye suspension, load-side with easily running plastic rollers suitable for a belt width of 60 mm. Only suitable for bend-resistant loads.

	Load capacity [kg]	Length max. [mm]	Length min. [mm]	Eye height V [mm]	Eye width W [mm]	Dead weight [kg]
<b>WTM 0050 0100 0</b>	500	1000	500	80	40	18
<b>WTM 0050 0200 0</b>	500	2000	1000	80	40	43
<b>WTM 0050 0300 0</b>	500	3000	1500	80	40	65
<b>WTM 0100 0100 0</b>	1000	1000	500	100	50	20
<b>WTM 0100 0200 0</b>	1000	2000	1000	100	50	45
<b>WTM 0100 0300 0</b>	1000	3000	500	100	50	67
<b>WTM 0200 0100 0</b>	2000	1000	500	130	65	35
<b>WTM 0300 0200 0</b>	2000	2000	1000	130	65	55
<b>WTM 0200 0300 0</b>	2000	3000	1500	130	65	80



Rotating roller, manual

The manual rotating roller is only suitable for the rotation of symmetrical loads due to a manual drive. Crane-side with eye suspension, load-side with easily running plastic rollers suitable for a belt width of 60 mm. Only suitable for bend-resistant loads.

	Load capacity [kg]	Eye height V [mm]	Eye width W [mm]	Dead weight [kg]
<b>WRM 0100 0000 0</b>	1000	100	50	7
<b>WRM 0200 0000 0</b>	2000	130	65	7

Load balancer  
Axzion rotating roller with round slings



Load balancer optimal weight compensation with offset load centre

The Axzion load balancer is a simple and cost-effective tool for lifting loads with an eccentric centre of mass. The Axzion load balancer can be used to adjust laterally displaced centres of mass. It works according to the so-called spill principle. It holds the load reliably when both cable ends are evenly loaded. If a cable end is not loaded, the load balancer can be moved laterally with the crane until the crane hook is exactly above the load centre. Both cable ends are then evenly taut in this position. There is no more slip in the load balancer and the load can be lifted.

	Load capacity [kg]	Eye height V [mm]	Eye width W [mm]	Dead weight ca. [kg]
<b>LAB 0280 0400 0</b>	2800	140	80	13
<b>LAB 0440 0400 0</b>	4400	160	95	22
<b>LAB 0880 0400 0</b>	8800	200	110	40
<b>LAB 1120 0400 0</b>	11200	240	140	85



Axzion pulley with round sling

Very practical due to high-strength MagnumX round sling. With the Axzion pulley, heavy loads can be simply lifted and also turned. Load carrying capacity: Up to 200 t with paired use

Designation	Load capacity [kg]	Dead weight [kg]
<b>PUL 4000 000 0</b> Pulley complete with round sling, wire cable and shackle	40000	-
<b>PUL 4000 000 1</b> Pulley complete with round sling, MagnumX and shackle	40000	-
<b>PUL 6000 000 1</b> Pulley complete with round sling, MagnumX and shackle	60000	-
<b>PUL 8000 000 1</b> Pulley complete with round sling, MagnumX and shackle	80000	800
<b>PUL 10000 000 1</b> Pulley complete with round sling, MagnumX and shackle	100000	800

## AXZION ROTATOR BEAMS

### Information

- Securing by means of clamping screw
- Rotating and swiveling hook (not rotatable under load)

### Optional

- Swivel hook with axial bearing, rotatable under load

Further product information can be found at:  
[www.axzion.de/Load-balancer](http://www.axzion.de/Load-balancer)

Further sizes available on request!

### Information

- Crane-side with round loop suspension
- Load-side with MagnumX and standard shackle
- Double reel for loop deflection

### Optional

- Equipment for outdoor use
- Radio remote control
- With chains or woven wire belts

Further product information can be found at:  
[www.axzion.de/rotating-roller](http://www.axzion.de/rotating-roller)

Further sizes available on request!



## AXZION BEAMS

Trays for bar cross-beams  
Transport trolley for cross-beams

### Optional

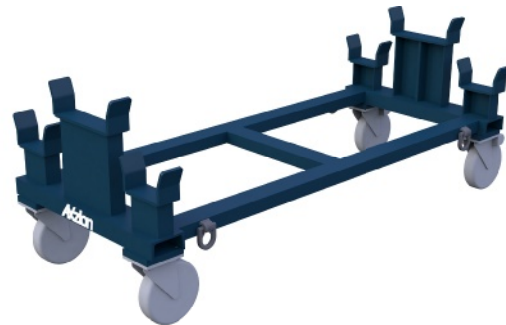
- Tray with secutex impact protection flat
- Lash points



Trays for bar cross-beams

Easy transport to the construction site!

Load-side with support points for bar cross-beams, solid profile steel construction with large forklift pockets, complete with lash points for load securing. With large storage boxes for load-side chains or round slings. DUV Rule 100-500: Connecting and load-bearing devices must be parked or placed so that they can not tip over, fall or slide off. Please pre-arrange and order the rack to suit your cross-beam.  
Solid profile steel construction with mounting points for floor mounting.



Transport trolley for cross-beam

Easy transport, safe storage!

Load-side with support points for beams or H-frame, solid profile steel construction with 2 x 2 pcs. Castors with rollstop, complete with load-securing lash points.

Designation	Load capacity [kg]	Length max. [mm]	Width [mm]	Dead weight ca. [kg]
<b>SRA 001</b> Storage Rack f. Spreader Beam, small size	300	1000	90	60
<b>SRA 001</b> Storage Rack f. Spreader Beam, middle size	1000	2000	140	85
<b>SRA 001</b> Storage Rack f. Spreader Beam, large size	2500	3000	140	150
<b>TTR 001</b> Trolley f. Spreader Beam	1000	1735	150	150

Further product information can be found at:  
[www.axzion.de/Transport-trolley](http://www.axzion.de/Transport-trolley)

Axzion double hook  
Axzion double hook, simple design



Axzion double hook, with high-strength hanger ring

This is how you make a double hook from your single hook. Also available as 4-hooks. Larger load capacities on request.

	Load capacity [kg]	Eye height V [mm]	Eye width m [mm]	Jaw width m [mm]	Dead weight ca. [kg]	Price [EUR]
<b>DOH 0650 0000 0</b>	6500	165	90	35	10	438,50
<b>DOH 1000 0000 0</b>	10000	240	140	45	24	958,90
<b>DOH 1250 0000 0</b>	12500	240	140	50	32	1.155,80
<b>DOH 1500 0000 0</b>	15000	240	140	56	42	1.496,80
<b>DOH 2000 0000 0</b>	20000	250	150	63	47	1.782,30



Double hooks, simple design

Hoisting devices, such as round slings or lifting straps, must not lie on each other in the hook, since the lower slinging device are otherwise squeezed and there is therefore a risk of damage. Through the use of the double hook, the slinging device can be distributed over the two hooks, so that a damage or reduction of the load-bearing capacity is avoided. Hook shape depending on the application. Special sizes on request, specifying crane hook number and the slinging means used. Crane hook according to DIN 15401.

	Load capacity [kg]	Width [mm]	Eye height V [mm]	Jaw width m [mm]	Dead weight ca. [kg]
<b>DOH 0200 0000 1</b>	2000	130	65	40	9
<b>DOH 0400 0000 1</b>	4000	190	85	50	12
<b>DOH 1000 0000 1</b>	10000	270	120	94	58
<b>DOH 2000 0000 1</b>	20000	360	160	94	87
<b>DOH 3500 0000 1</b>	35000	450	190	122	18

## AXZION BEAMS

### Information

- Hardened, forged load hooks
- Wide bearing surfaces
- High-strength hanging ring suitable for many crane hooks
- Hanging ring interchangeable

Further product information can be found at:  
[www.axzion.de/Doppelhaken](http://www.axzion.de/Doppelhaken)

Further sizes available on request!

### Optional

- Connection hole for shackles incl. shackle without additional price!

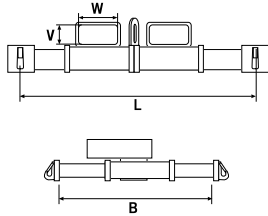
Further product information can be found at:  
[www.axzion.de/Double-hooks](http://www.axzion.de/Double-hooks)

Further sizes available on request!

## AXZION BEAMS

### Optional

- Crane side with round slings
- Beam dimensions according to individual requirements



Further product information can be found at:  
[www.axzion.de/battery-beam](http://www.axzion.de/battery-beam)

Further sizes available on request!

Axzion battery rack for forklift trucks  
Axzion forklift cross-beam with one hook



Axzion battery cross-beam for forklifts

Flexible, telescopic cross-beam for transporting batteries and other spatial loads. Crane-side with eye suspension and forklift pockets, load-side equipped with 4 weld hooks, other dimensions possible.

	Load capacity [kg]	Dimension W [mm]	Dimension V [mm]	Prong distance [mm]	Dimension L [mm]	Dimension B [mm]	Dead weight ca. [kg]
<b>GBT 0200 0120 0</b>	2000	60	160	500	800-1200	600-800	90



Axzion forklift cross-beams with a hooks

SIP slip-on pockets for two forklift tines, secured by two clamping screws that are centred, a rotating and swivelling eye hook with safety lock (not rotatable under load). Galvanised finish.

	Load capacity [kg]	Length [mm]	Dimension V [mm]	Dimension m [mm]	Dimension t [mm]	Dead weight ca. [kg]
<b>UNO 0100 0000 0</b>	1000	320	60	23	220	13
<b>UNO 0200 0000 0</b>	2000	320	60	27	280	28
<b>UNO 0300 0000 0</b>	3000	320	80	35	315	30
<b>UNO 0500 0000 0</b>	5000	320	100	45	425	42
<b>UNO 0700 0000 0</b>	8000	320	120	49	553	64
<b>UNO 1000 0000 0</b>	10000	320	120	69	-	85

Further product information can be found at:  
[www.axzion.de/forklift-cross-beam](http://www.axzion.de/forklift-cross-beam)

Further sizes available on request!

Axzion forklift cross-beam with three hooks  
Axzion forklift cross-beam with one hook



Axzion forklift cross-beam with three hooks

Forklift cross-beam for forklift trucks. Secured by two clamping screws in the middle, a rotating and swivelling eye hook with safeguard (not rotatable under load), on the outside two load hooks with safeguard. Galvanised finish.

	Load capacity [kg]	Length [mm]	Eye height V [mm]	Eye width W [mm]	Jaw width m [mm]	Dead weight ca. [kg]
<b>TRE 0100 0000 0</b>	1000	320	60	120	23	12
<b>TRE 0200 0000 0</b>	2000	320	60	160	27	14
<b>TRE 0300 0000 0</b>	3000	320	80	180	35	18
<b>TRE 0500 0000 0</b>	5000	320	100	200	45	25
<b>TRE 0800 0000 0</b>	8000	320	120	200	49	55
<b>TRE 1000 0000 0</b>	10000	320	120	200	69	66



Forklift beam for a form

Plug-on pocket for forklift forks.  
Please note: Avoid overloading the forks.

	Load capacity [kg]	Dimension V [mm]	Dimension W [mm]	Dimension t [mm]	Dead weight ca. [kg]
<b>GTZ 0100 0000 0</b>	1000	40	160	315	10
<b>GTZ 0200 0000 0</b>	2000	80	180	330	12
<b>GTZ 0300 0000 0</b>	3000	100	200	370	14
<b>GTZ 0500 0000 0</b>	5000	120	200	-	24
<b>GTZ 0800 0000 0</b>	8000	120	300	-	35

## AXZION BEAMS

### Optional

- Swivel hook with thrust bearing, rotatable under load

Further product information can be found at:  
[www.axzion.de/forklift-cross-beam](http://www.axzion.de/forklift-cross-beam)

Further sizes available on request!

### Information

- Secured by clamping screw
- Rotating and swivelling hook (not rotatable under load)

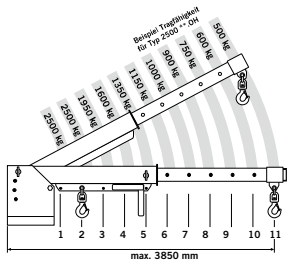
### Optional

- Swivel hook with axial bearing, rotatable under load

Further product information can be found at:  
[www.axzion.de/forklift-coss-wbeam](http://www.axzion.de/forklift-coss-wbeam)

Further sizes available on request!

## AXZION BEAMS



Axzion crane arm for forklift truck  
 Axzion short crane arm for forklift truck



Axzion crane arm for forklift truck

Plug-on pocket for two forks, secure with safety chain. With reversible swivel hook (not rotatable under load). Telescopic, with plug-in bolts easy-to-use adjustable length (observe the load-bearing diagram). Note: Be sure to pay attention to the centre of mass and load capacity of your forklift truck!

	Load capacity [kg]	Length max. [mm]	Dimension L min. [mm]	Dimension V [mm]	Dimension w [mm]	Dead weight ca. [kg]
<b>GKV 0250 0050 0</b>	2500	3850	910	70	180	210
<b>GKV 0500 0050 0</b>	5000	3850	910	100	200	393
<b>GKV 0250 0050 1</b>	2500	3850	910	70	180	260
<b>GKV 0500 0050 1</b>	5000	3850	910	100	200	470

Further product information can be found at:  
[www.axzion.de/forklift-truck](http://www.axzion.de/forklift-truck)

Further sizes available on request!

## Optional

- Swivel hook with axial bearing
- With side entry pockets



Axzion short crane arm for forklift trucks

This makes the forklift a universal lifting device. Securing is done by 2 clamping screws. Be sure to pay attention to the centre of mass and load-bearing capacity of the forklift truck.

	Load capacity [kg]	Dimension L [mm]	Dimension V [mm]	Dimension W [mm]	Dimension b [mm]	Dimension t [mm]	Dead weight ca. [kg]
<b>GKS 0100 0050 0</b>	1000	500	70	160	750	325	280
<b>GKS 0200 0050 0</b>	2000	500	70	160	750	300	305
<b>GKS 0300 0050 0</b>	3000	500	80	160	750	200	320

Further product information can be found at:  
[www.axzion.de/short-crane-arm](http://www.axzion.de/short-crane-arm)

Further sizes available on request!

Axzion hook beam  
 Axzion turnover cross-beam for forklift



Axzion hook beam

Hook cross-beam forklifts. Can be mounted both transversely and longitudinally. The Axzion hook cross-beam allows a wide range of applications thanks to the possibility of mounting on the forklift truck. Total length hook to hook: 2 m.

	Load capacity [kg]	Eye height V [mm]	Eye width W [mm]	Jaw width m [mm]	Dead weight ca. [kg]
<b>GKT 0250 0200 0</b>	2500	160	60	240	165

## AXZION BEAMS

## Optional

- Swivel hook with ball bearing for turning under load

Further product information can be found at:  
[www.axzion.de/hook-beam](http://www.axzion.de/hook-beam)

Further sizes available on request!



Axzion turnover cross-beam for forklift

The turnover cross-beam can be used very flexibly. The forklift pockets can be adjusted generously. A suspension head is also available for use on the crane hook.

	Load capacity [kg]	Dimension L min. [mm]	Dimension L max. [mm]	Eye height V [mm]	Eye width W [mm]
<b>GWT 0050 0100 0</b>	500	500	1000	60	120
<b>GWT 0050 0200 0</b>	500	1000	2000	60	160
<b>GWT 0050 0300 0</b>	500	1500	3000	80	180
<b>GWT 0100 0100 0</b>	1000	500	1000	60	120
<b>GWT 0100 0200 0</b>	1000	1000	2000	60	160
<b>GWT 0100 0300 0</b>	1000	1500	3000	80	180
<b>GWT 0200 0100 0</b>	2000	500	1000	60	120
<b>GWT 0200 0200 0</b>	2000	1000	2000	60	160
<b>GWT 0200 0300 0</b>	2000	1500	3000	80	180

## Optional

- Special sizes available on request

Further product information can be found at:  
[www.axzion.de/rotator-beams](http://www.axzion.de/rotator-beams)

Further sizes available on request!

