

AXZION CLAMPS AND TONGS AXZION CLAMPS AND TONGS

AXZION - Intelligent Lifting Equipment

Exact planning quarantees 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

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







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.</p>

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

We would like to give you more information Request our company brochure at: 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

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

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 Lifitng Equipment and must include the proof of the quality of the components and materials used and the tests carried

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.





AXZION CLAMPS AND TONGS AXZION CLAMPS AND TONGS

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 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

- ✓ Emergency assistance (24/7)

Proper rectification of defectsMaximum operational reliabiliReduced repair costs



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





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

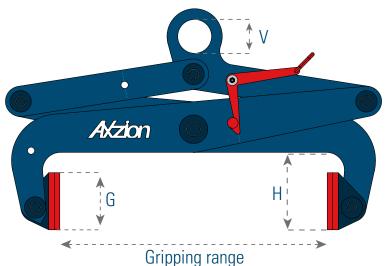
Important reminder for repairs to your load-bearing device (DGUV rules 100-500):

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

AXZION CLAMPS AND TONGS AXZION CLAMPS AND TONGS



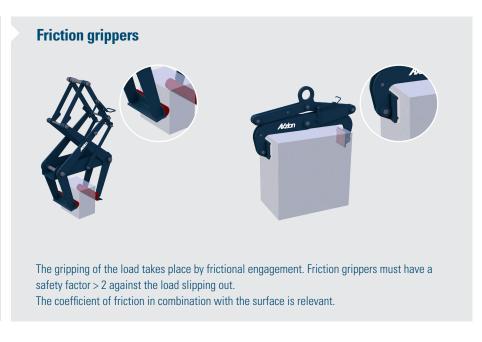






Form-fitting surface must be perpendicular to

the gripping axis.







Two types of grippers

A basic distinction is made between two types of grippers: driven grippers and non-driven grippers:

Driven grippers

Driven grippers obtain the necessary gripping force from an external drive (hydraulic cylinder, spindle or the like). In this case, during design it is to be ensured that the load is held safely, even in case of a drive failure.

Non-driven grippers

Non-driven grippers derive the necessary gripping force from the structural geometry and from the

Attention, please be aware of the following:



When transporting loads with grippers, it must be borne in mind that load collisions with the environment can lead to an opening of the gripper. Collisions when lifting with grippers must be avoided. If collisions cannot be excluded, the gripper must be equipped with an additional

The gripping of the load takes place by frictional connection or via a form-fit.

Form-fit grippers

under the load or in an existing recess. It should be be lifted has the necessary coefficient of friction in noted that the form-fitting surface must be perpendicular to the gripper axis.

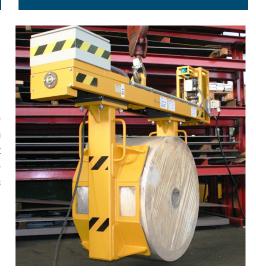
Friction grippers

Friction grippers must have a safety factor > 2 against and the geometrical gripping position.. the load slipping out. Whether the gripper works sufficiently safely depends on the jaw pressure and the coefficient of friction.

These grippers grab the load so that it is gripped
It must always be determined whether the load to combination with the surface of the gripping jaw. It is to be noted that the relative safety against slipping has nothing to do with the load weight, but is dependent exclusively on the coefficient of friction

Please note:

- ✓ Never use a gripper designed for form-fitting operation as a frictional gripper! The load slips out of the gripper!
- ✓ Worn friction linings or gripping jaws can impair the gripping safety.
- ✓ The gripper may only be operated in the specified gripping range. If the load is too narrow or too wide, the gripping safety is impaired.
- ✓ The load must be dry. Factors such as oil, water and ice reduce friction by a very considerable amount.
- ✓ The load must be suitable to safely and permanently absorb the jaw pressure.



Optional

- Automatic step-change gear
- Gripping jaws with toothing (observe friction coefficient)
- Gripping range according to individual requirements





Block grippers safely lift squared loads and blocks

Block grippers for the gentle transport of loads with vertical, parallel side surfaces. The robust lever construction generates a load-dependent clamping force; the load must be pressure-stable. The Axzion block gripper is designed for a coefficient of friction of at least $0.4\,\mu$, so the material to be transported must be dry and lubricant-free.

- With suspension for single hook DIN 15401.
- Parallel gripping jaws with very robust secutex impact protection
- Open lever, self-locking, with extra large handle
- Additional swivel reinforcement for longer durability
- Clamping protection for the fingers
- Galvanised / powder coating

	Load capacity [kg]	Gripping range max. [mm]	Gripping range min. [mm]	Jaw size G [mm]	Gripping height H [mm]	Eye height V [mm]	Dead weight ca. [kg]
BLG 0025 0012 0	250	125	50	100x100	130	80	12
BLG 0025 0026 0	250	260	150	100x100	130	80	16
BLG 0025 0050 0	250	500	250	100x100	130	80	17
BLG 0050 0012 0	500	125	50	100x100	130	80	18
BLG 0050 0026 0	500	260	150	100x100	130	80	21
BLG 0050 0050 0	500	500	250	100x100	130	80	28
BLG 0100 0026 0	1000	260	150	120x120	160	85	33
BLG 0100 0050 0	1000	500	250	120x120	160	85	43
BLG 0100 0075 0	1000	750	480	120x120	160	85	60
BLG 0250 0026 0	2500	260	150	160x160	190	95	78
BLG 0250 0050 0	2500	500	250	160x160	190	95	93
BLG 0250 0075 0	2500	750	480	160x160	190	95	107

Further product information can be found at: www.axzion.de/gripper

Further sizes available on request!



Block gripper with increased contact pressure and secutex gripping jaws

For some loads (steel parts, granite, etc.), the coefficient of friction is low. In this case, a gripper with increased contact pressure is required. The secutex block gripper is designed for a coefficient of friction of at least $0.4\,\mu$, so the material to be transported must be dry and lubricant-free. Block grippers are designed for the transport of quadratic loads with vertical, parallel side surfaces. The robust construction with extended arms creates a load-dependent clamping force. The load must be pressure-stable.

- With suspension for single hook DIN 15401
- Parallel gripping jaws with very robust secutex impact protection
- Open lever, self-locking, with extra large handle
- Additional swivel reinforcement for longer durability
- Clamping protection for the fingers
- Galvanised / powder coating

	Load capacity [kg]	Gripping range max. [mm]	Gripping range min. [mm]	Jaw size G [mm]	Gripping height H [mm]	Eye height V [mm]	Dead weight ca. [kg]
BLG 0025 0012 1	250	125	50	100x100	130	80	20
BLG 0025 0026 1	250	260	150	100x100	130	80	25
BLG 0025 0050 1	250	500	250	100x100	130	80	30
BLG 0050 0012 1	500	125	50	100x100	130	80	30
BLG 0050 0026 1	500	260	150	100x100	130	80	35
BLG 0050 0050 1	500	500	250	100x100	130	80	45
BLG 0100 0026 1	1000	260	150	120x120	160	85	50
BLG 0100 0050 1	1000	500	250	120x120	160	85	65
BLG 0250 0026 1	2500	260	150	160x160	190	95	120
BLG 0250 0050 1	2500	500	250	160x160	190	95	140

Further sizes available on request!

Further product information can be found at: www.axzion.de/gripper

Axzion universal grippers for ISO profiles Axzion grippers for ISO profiles

Information

- With suspension for single hooks according to
- Robust gripping plates with secutex impact protection for gentle load transport
- Galvanised / painted

Optional

- Gripping range according to individual requirements

Further product information can be found at: www.axzion.de/gripper

Further sizes available on request!



Universal grippers for ISO plates

Universal grippers for horizontal and vertical plates. This newly developed Axzion gripper has an innovative gripping function. The adjustment of the gripping jaws takes place via the robust spindle drive in combination with the mechanical adjustment. A load-dependent clamping force is then generated by the mobile bearing pressure plate. The load must, of course, be pressure-stable.

	WLL	Gripping range	Gripping range	Dead weight
	[kg]	max. [mm]	min. [mm]	ca. [kg]
UGI 0150 0150 0	2000	170	50	50

Optional

- With suspension for single hooks according to DIN 15401
- Robust gripping plates with secutex impact protection for gentle transport of load
- Galvanised / painted

Further product information can be found at: www.axzion.de/gripper

Further sizes available on request!



Gripper for ISO profiles

This gripper is used to adjust the gripping jaws via the robust spindle drive. Due to the large pressure plates, only a small pressure force is required so that sensitive ISO profiles are not damaged.

	WLL [kg]	Gripping range max. [mm]	Gripping range min. [mm]	Dead weight ca. [kg]
GRI 0030 0185 0	300	185	55	31
GRI 0040 0240 0	400	240	55	40
GRI 0100 0240 0	1000	240	95	120

Round material gripper Round material - Turning grippers



Round material gripper, round materials lifted gently

Round material gripper for the horizontal transport of round material and pipes. The robust lever construction generates a load-dependent clamping force. The load must be pressure-stable.

	Load capacity [kg]	Gripping range max. [mm]	Gripping range min. [mm]	Eye height V [mm]	Dead weight ca. [kg]
RUG 0025 0025 0	250	250	60	65	16
RUG 0050 0020 0	500	200	40	75	14
RUG 0050 0035 0	500	350	100	65	30
RUG 0050 0050 0	500	500	200	75	53
RUG 0100 0025 0	1000	250	60	80	33
RUG 0100 0035 0	1000	350	100	80	36
RUG 0100 0050 0	1000	500	200	80	68
RUG 0100 0080 0	1000	800	300	80	123
RUG 0100 0120 0	1000	1200	800	80	165
RUG 0250 0025 0	2500	250	60	95	58
RUG 0250 0035 0	2500	350	100	95	53
RUG 0250 0050 0	2500	500	200	95	91
RUG 0250 0080 0	2500	800	300	95	189
RUG 0250 0120 0	2500	1200	800	95	300



Round material - Turning grippers

Round material grippers for horizontal and vertical round materials and pipes.

This newly developed Axzion gripper has an innovative gripping function. The adjustment of the gripping jaws takes place via the robust spindle drive. A load-dependent clamping force is then generated by the obliquely mounted gripping jaws. The load must, of course, be pressure stable.

Prices and Productinformation available on request!

AXZION CLAMPS AND TONGS

Information

- With suspension for single hooks according to
- Robust gripping shells for gentle transport of the
- Safe grip thanks to guaranteed 3-point contact of the gripping arms
- Open lever, self-locking, with extra large handle
- Additional swivel reinforcement for longer durability
- Clamping protection for fingers
- Galvanised / painted

Optional

- Gripping range according to individual
- Extra wide gripping shells suitable for long material

Further product information can be found at: www.axzion.de/gripper

Further sizes available on request!

Information

- With suspension for single hooks according to
- Robust gripping plates with secutex impact protection for gentle transport of the load
- Secure grip thanks to guaranteed 4-point contact of the gripping arms
- Galvanised / painted

Further product information can be

www.axzion.de/gripper

Axzion wire coil internal gripper Axzion wire coil external gripper

Information

- Non-rotating design due to positively guided central pipe
- Interchangeable gripping spreaders made of highly wear-resistant fine-grained steel
- Automatic stepping gear
- Large eye suspension
- Low and robust design

Further product information can be found at: www.axzion.de/gripper

Further sizes available on request!





Wire coil internal gripper, safely grips wire coils from the inside

Wire coil internal grippers for fast and gentle transport in the steel industry. The robust design with central pipe and particularly wear-resistant gripping claws ensure safe operation during continuous use.

	Load capacity [kg]	Gripping range max. [mm]	Gripping range min. [mm]	Dead weight ca. [kg]
DBI 0300 0000 0	3000	800	550	210
DBI 0500 0000 0	5000	950	650	340

Information

- Robust, twist-resistant construction
- Interchangeable gripping claws made of highly wear-resistant fine-grained steel

Further product information can be

Further sizes available on request!

- Automatic step-switch
- Large eye-suspension

found at:

www.axzion.de/gripper





Wire coil external grippers, safely grip wire coils from the outside

Wire coil external grippers for steel traders during large goods sales in continuous operation. The elaborate design ensures a safe and gentle grip of the wire coils.

	Load capacity [kg]	Gripping range max. [mm]	Gripping range min. [mm]	Dead weight ca. [kg]
DBA 0300 0000 0	3000	1250	850	440
DBA 0300 0000 0	5000	1250	850	620

Block tongs for finished concrete parts Concrete pipe hangers

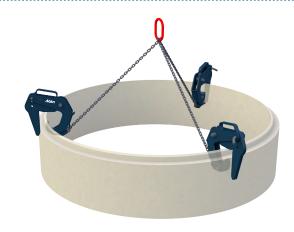




Block tongs for finished concrete parts

Adjustable tongs for transporting concrete or stone blocks. The robust lever construction generates a load-dependent clamping force. The load must be pressure-stable. The load centre must be balanced. The gripper is designed for a friction coefficient of at least 0.4 μ . Different sizes, load carrying capacity up to 20 t.

	WLL [kg]	Gripping range max. [mm]	Gripping range min. [mm]	Dead weight ca. [kg]
BFZ 0040 0020 0	400	200	100	31
BFZ 0040 0040 0	400	400	200	53
BFZ 0040 0060 0	400	600	400	87



Concrete pipe hanger

Hanger for the vertical transport of concrete pipes and shaft rings. The robust lever construction generates a load-dependent clamping force.

	WLL [kg]	Gripping range max. [mm]	Gripping range min. [mm]
BRG 0150 0025 0	1500	250	80
BRG 0250 0025 0	2500	250	80
BRG 0150 0012 0	1500	120	80
BRG 0250 0012 0	2500	120	80

AXZION CLAMPS AND TONGS

Information

- With suspension for single hook DIN 15401.
- Gripping jaws with very robust secutex impact protection
- Open lever, self-locking, with extra large handle
- Additional swivel reinforcement for longer durability
- Clamping protection for the fingers
- Galvanised / painted

Optional

- Automatic step shifting
- Gripping jaws with toothing (consider friction value)
- Grippng range according o individual requirements

Further product information can be found at: www.axzion.de/block-tongs

Information

- Suspension for single hooks according to DIN 15401
- Chain suspension galvanised
- Clamps galvanised

Further product information can be found at: www.axzion.de/concrete-pipe-hanger

Further sizes available on request!

11

Drum tongs top Drum tongs side



Further product information can be found at: www.axzion.de/drum-tongs

Further sizes available on request!

Drum tongs top

For the vertical lifting of beading or clamping ring drums. Also suitable for the use of sealed vertical drums.

	Load capacity	Gripping range max.	Eye height V	Dead weight
	[kg]	[mm]	[mm]	ca. [kg]
FTN 0030 0060 0	300	600	95	5



Drum tongs side

Further product information can be found at: www.axzion.de/drum-tongs

Further sizes available on request!

For horizontal lifting and transporting of bead or clamping ring drums.

	Load capacity [kg]	Gripping range max. [mm]	Eye height V [mm]	Dead weight ca. [kg]
FSI 0030 0090 0	300	900	95	6

Drum tongs top-side Drum turning tongs



Drum tongs top-side

For lifting beading or clamping ring drums. Open drums can also be transported because they are always kept in a vertical position. With automatic locking.

	Load capacity [kg]	Gripping range max. [mm]	Eye height V [mm]	Augenbreite W [mm]	Dead weight ca. [kg]
FTS 0030 0060 0	600	600	65	55	10





Drum turning tongs

For safe lifting of self-supporting bead or tension ring drums. Thanks to the placement rollers, the drums can be safely picked up and lowered in the horizontal or vertical position, which eliminates difficult manual positioning.

	Load capacity [kg]	Gripping range max. [mm]	Eye height V [mm]	Dead weight ca. [kg]	
FWZ 0030 0060 0	300	600	95	58	_

Further product information can be found at: www.axzion.de/drum-tongs

AXZION CLAMPS AND TONGS

Further sizes available on request!

Information

- Suspension for single hooks DIN 15401
- Open lever, self-locking, with extra large
- Clamping protection for the fingers
- Galvanised / powder coated

Further product information can be found at: www.axzion.de/drum-tongs

Further sizes available on request!

13

Axzion block tongs Axzion synchro gripper Axzion Rail Grip

AXZION CLAMPS AND TONGS

Information

- Suspension for single hooks DIN 15401
- Adjustment by means of studs
- Single toothed jaws
- Open lever, self-locking, with extra large handle

Further product information can be

Further sizes available on request!

- Clamping protection for fingers

www.axzion.de/tongs

- Galvanised / powder coated



Axzion block tongs

Adjustable tongs for the transport of concrete or stone blocks. The robust lever construction generates a

	Load capacity [kg]	Gripping range max. [mm]	Gripping range min. [mm]
BGS 0060 0054 0	600	540	300
BGS 0100 0058 0	1000	580	300
BGS 0120 0045 0	1200	450	140

load-dependent clamping force. The load must be pressure-stable. The load centre must be balanced.

	Load capacity [kg]	Gripping range max. [mm]	Gripping range min. [mm]
BGS 0060 0054 0	600	540	300
BGS 0100 0058 0	1000	580	300
BGS 0120 0045 0	1200	450	140

Information

- Crane side with 3 pieces VLBS, suitable for 3-strand suspension
- Adjustable by revolving chain drive with a hand
- With 3 pieces gripping spreaders, interchange
- Locking via detent pins

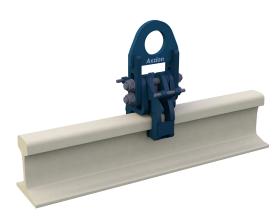


Synchro gripper internal / external gripper, suitable for horizontal rings

This gripper is suitable for the lifting of horizontal rings. The gripping spreaders are mounted on the trolley and are synchronised via a revolving chain drive with a hand crank.

Designation	WLL [kg]	Gripping range max. [mm]	Gripping range min. [mm]	Dead weight ca. [kg]
SYC 0100 0150 0 Synchro Gripper for rings 2 arms		1000	600	100
SYC 0150 0150 0 Synchro Gripper for rings 3 arms	1500	1500	600	120





Information

- Safety lock against unintentional opening of the
- Super robust construction, 45° diagonal pull
- With suspension for single hooks according to DIN 15401
- Galvanised

Axzion, easy handling, extremely low dead weight

Semi-automatic pick-up of the rail without manual intervention (just taking the rails from a rail stack is often accident-prone). Suitable for "pulling" the rail.

	Load capacity [kg]	Gripping range max.	Dead weight [kg]
RGA 0200 0000 0	2000	S49, R50, S54, UIC60	10

Further product information can be www.axzion.de/gripper

Further sizes available on request!













Further product information can be found at: www.axzion.de/gripper

Further sizes available on request!

Coil tongs with robust mega-spindle Parallelogram coil gripper

Optional

- Secutex protection on the gripper arms and gripping claws
- With turning mechanism
- With electromechanical shut-off bars in the tong arms
- Crane side with cable pulleys
- Additional hooks

Coil tongs with robust Mega-Spindle

Coil tongs are the safe and fast solution for lifting standing coils. The drive is electromechanically operated by a robust drive with a self-locking mega spindle and geared motor.

- Drive via self-locking mega-spindle (considerably improved service life)
- Robust construction
- Suspension suitable for a crane hook according to DIN 15401 or double hook
- With electronic switch-off (no susceptible sensor) to switch off the tong arm drive when the load is fully under load.
- With switch-off sensors on both arms, to prevent the load from unintentionally opening the tong arms under load.
- With locking mechanism via signal lamps on the tong housing

Prices and Productinformation available on request!

Optional

found at:

www.axzion.de/gripper

- secutex protection at the gripper arms and gripping claws

Further product information can be

- With turning mechanism
- Additional hooks
- Equipment for hot operation





Parallelogram coil gripper

Very robust welding design with parallelogram arms. The special advantage of these grippers is the small side space requirement, which allows optimum utilisation of the warehouse space.

- Drive via hydraulic cylinder
- Robust construction with generously dimensioned pipe guide
- Low-maintenance slide bearing
- Suspension suitable for a crane hook according to DIN 15401 or double hooks
- With electronic switch-off (no susceptible sensor) to switch off the tong arm drive when the load is fully under load
- With electromechanical shut-off bars in the tong arms, to secure the load against unintentional opening of the tong arms under load.
- With closing signalling via signal lamps on the tong housing

Prices and Productinformation available on request!

Sheet metal tongs
Mechanical vertical coil tongs



Sheet metal tongs

Sheet metal tongs are the safe and fast solution for lifting sheet metal packs. The drive is electromechanically operated by a robust drive with a self-locking mega spindle and geared motor.

- Drive via self-locking mega-spindle (considerably improved service life)
- Very robust construction
- Suspension suitable for a crane hook according to DIN 15401 or double hook
- With electronic switch-off (no susceptible sensor) to switch off the tong arm drive when the load is fully under load.
- With switch-off sensors on both arms, to prevent the load from unintentionally opening the tong arms under load.
- With locking message display via signal lamps on the tong housing

Prices and Productinformation available on request!



Mechanical vertical coil tongs

Mechanical vertical coil tongs are used for the cost-effective handling of horizontal coils everywhere in the steel processing industry. The coils can be stacked, for example, for the annealing process. The solid, generously angled centring mandrel and the slim design make it easier for the user to pick up the coil. The automatic open-lock system works reliably and safely.

- Suspension suitable for a crane hook according to DIN 15401 or double hook
- Suitable for many coil sizes
- Compact design due to FEM construction
- Very robust design

AXZION CLAMPS AND TONGS

Optional

- Drive via hydraulic cylinders
- Secutex protection on the gripper arms and gripping claws
- With turning mechanism
- With electromechanical shut-off bars in the tong
- Crane side with cable pulleys
- Additional hooks

Further product information can be found at: www.axzion.de/tongs

Further product information can be found at: www.axzion.de/tongs

Prices and Productinformation available on request!

www.axzion.de/gripper

Further product information can be

1







Stone gripper



Tree trunk grippers



Paper roll grippers



Turning grippers for films



Cable drum grippers



Universal turning grippers



Turning grippers for spools



Chip grippers



Grabbers for track thresholds



Grabbers for track thresholds



Turning grippers for concrete profiles



Paper roll lifters



Turning grippers for stone slabs