

PFEIFER COMPLETT

2021

Attachment technology
Cargo lashing
Lifting technology



PFEIFER

Dear Customer,



Do you attach importance to continuous improvement and are constantly looking for optimisation potential in your processes? In the course of this you also check whether your lifting and transport processes can be made safer, more flexible and more economical?

You prefer to work with a partner who is also there for you beyond the delivery? Then contact us, because that is precisely our claim and drive. Our comprehensive knowledge is based on decades of experience in rope and lifting technology. Through the intensive analysis of processes, we know when and where we can provide support in an advisory capacity. Your satisfaction is always our goal.

We are at your disposal from planning and construction through in-house handling to delivery and maintenance – as your partner on an equal footing.

Our mobile service takes over the testing responsibility for you and guarantees maximum safety. You can also benefit from our know-how and attend our specialist seminars.

As a family-run company with a long tradition, we have been planning and acting long-term and sustainable for generations – also in our customer relations. Whether personal advice for standard applications or extreme individual challenges – we offer you planning security, quality, flexibility and economical solutions, even for the most demanding applications.

In addition to competence, proximity and reliability, we focus on the continuous further development of our product range. Discover in this catalogue, in addition to the proven products, the latest innovations, further developments and improvements.

Only those who move with the times and plan today for tomorrow will be successful in the long run. With this in mind, let us discover new paths together.

We look forward to you!

A handwritten signature in blue ink, appearing to read 'Alexander Zanocco'.

Alexander Zanocco, Managing Director

Selected products. Intelligent solutions.

Our product range is hand-picked. Selected by specialists who have a background in the field and know your industry. We know what is important in practice and do everything we can to offer you the optimal solution for every task.



400 years of experience

PFEIFER has been dealing with the securing, lifting and moving of loads for 12 generations. With this knowledge, we select a proven and contemporary product range for you every year.

100% quality

We keep our promises. That's why we only offer products that we have thoroughly tested ourselves. Our quality controls include the incoming inspection of the material, the manufacturing process and the testing of the manufactured products. Our group-wide QA management system is certified to both DIN EN ISO 9001 and BS OHSAS 18001.

19 countries

PFEIFER is located at 33 locations in 19 countries. We monitor developments in other regions, examine new ideas and procure worldwide. To always offer you the best and most economical solution.



More service. More partnership.

Own manufacturing and fabrication

Do you have any special requests? We realise individual customer wishes at short notice! In our own sewing and production departments.

Fast response, short delivery times

Whether for advice, delivery or service: Speed and flexibility are important to us. For this purpose, we afford extensive stock keeping.

Own test centre

Does a product really meet your specific requirements? We carry out feasibility checks for you, e.g. load capacity tests.

Individual ordering options

We adapt ourselves to your wishes. From personal contact to fully electronic data exchange.

Welcome to the PFEIFER Complett-catalogue 2021

Everything you need for safe slinging, lashing, lifting, turning and moving. In proven PFEIFER quality. With the best PFEIFER services. Here to leaf through and online at www.pfeifer.info/en. Discover now!

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You will find the current GTC's on our website at www.pfeifer.info/en/general-terms-and-conditions-of-sales/agb.

Recommended by experts: Our new products.

Modular spreader beam system

The ideal combination for every requirement

Two versions and six options make everyday life and load transport easier and at the same time meet a wide variety of requirements. Greater working load limit, longer working length, more load changes – the right solution for every load!



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HIT Fibre Tech chain sling/ lashing chain

The lightweight one

The textile chain sling or lashing chain is eight times lighter than a comparable steel chain, protects the components and is resistant to environmental influences such as salt, chemicals, etc.



Page
296

Allround Megaloop

The high-performance round sling

The super-light round sling made of high-strength Dyneema® has a rope-like compact cross-section. As a result, it achieves direct working load limits of up to 20,000 kg with low dead weight and high flexibility. Load attachment could hardly be more convenient!



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272



HIT hydraulic jack

Perfect for maintenance and assembly work

The lightweight and compact hydraulic jack with extended claw and 5 t lifting capacity is also suitable for frequent and demanding applications such as vehicle construction.



Page
416

Updraft® Custom Sling

For optimal use of the crane load capacity

The custom-made rope sling achieves the characteristics of a steel wire rope sling – at one seventh of the weight and with minimised risk of injury.



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Many other new items can be found in the respective chapters.

New

Always up to date

Discover all new products and innovations from the PFEIFER product world at:

<https://www.pfeifer.info/en/novelties/>

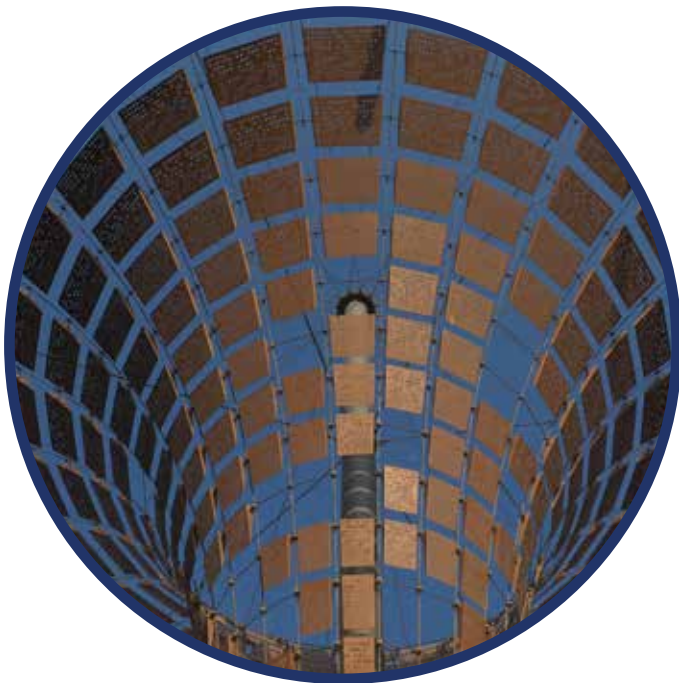


PFEIFER Group: Companies that move things.

Lift, secure, connect, move: PFEIFER has been dealing with these topics for over 400 years. Today, PFEIFER has three divisions with a total of ten business units. Each a leader in their field, all united by a common attitude. Whether you get to know us as a manufacturer, assembler, seller or project manager:

We are your partner:

**Professional. Thorough.
Innovative.**



Structures

PFEIFER Structures is the world's leading partner for innovative lightweight structures such as building envelopes, façades, roofs and much more. As pioneers of lightweight architecture, we advise, deliver and install sophisticated projects in any material from steel and wood to membranes, glass or other materials.

Business units:
Lightweight Architecture, Cover Structures

Ropes & Services

As an innovative system provider, PFEIFER Ropes & Services combines over 200 years of experience in rope production, rope application technology and comprehensive services worldwide. As an original equipment manufacturer and supply chain partner of the world's largest construction machinery and elevator manufacturers, we supply well-known customers with products and services in the rope sector. With our application knowledge of the rope and its requirements in different areas of application, we offer safe standard and highly specific individual solutions for construction machinery and elevators, industrial plants and the maritime industry. We also support you through our worldwide network of rope experts in consulting, technical implementation and all repair and maintenance measures.

Business units:
Industrial Ropes, Elevator Products



Lifting

PFEIFER offers standard and sophisticated special solutions worldwide for the efficient and safe movement and connection of precast concrete elements, loads and goods of all kinds. As a partner, we support you with individual project concepts, excellent testing services and practical specialist seminars. As an expert in protective systems made of high-strength wire and rope nets, we also develop customer-specific protective nets and barriers for the prevention of natural hazards and other safety risks. In addition, PFEIFER has for many years been your reliable, international partner for high-quality tension member systems for architecture and construction projects of all kinds.

Business units:
Building Systems, Attachment and Lashing Equipment, Lifting Technology, Mobile Services, Protective Structures, Tension Members



Discover our digital side!

We are always glad to be there for you personally, for example by phone or a consultation appointment with you on site. But we are just as happy to simply accompany you digitally in all decision-making and procurement processes. With online information offers and the appropriate electronic interfaces for future-proof, fast and error-free processing.

The choice is yours!

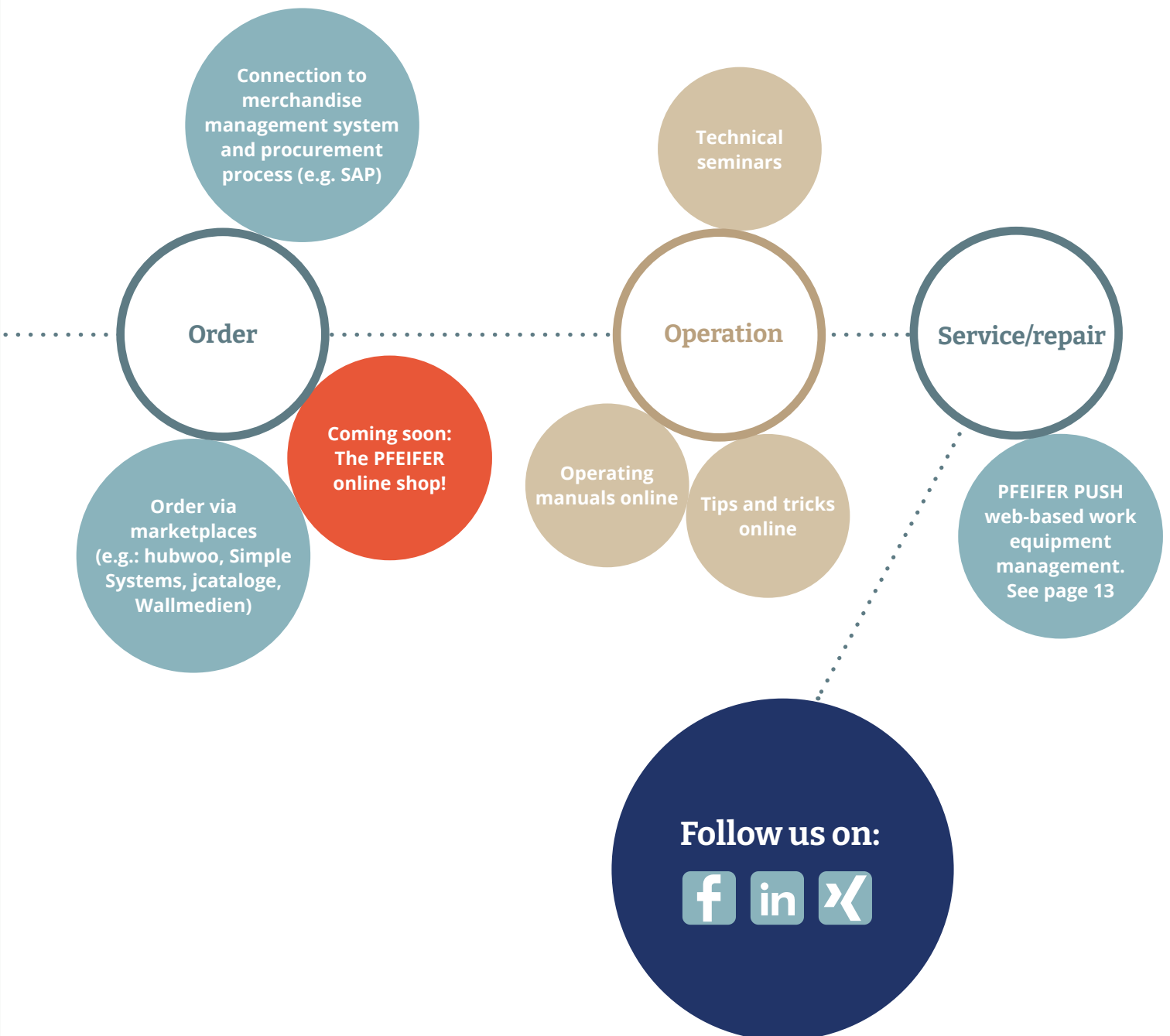
We also accompany you digitally throughout the entire process:



From online consulting to e-procurement!

Want to know more? Speak to your local technical adviser or get in touch with us.

Contact: e-procurement@pfeifer.de , +49 (0) 83 31-937-394



PFEIFER Mobile Services. Back you up.

Employers are responsible for safety at the workplace – and for ensuring that all legal requirements for the safe use, storage, testing and discarding time of work equipment are complied with. We relieve you of this responsibility. With tailor-made inspection services.

Our Inspection Service

Reminder of inspection dates

When purchasing, you decide whether we should remind you in good time of the regular inspection date.

Execution of the inspection

Our experienced employees carry out the legally required inspections using state-of-the-art machines. Mobile on-site at your premises or at one of our numerous service centres.

Instant repairs

We repair most defects immediately using spare parts that we bring with us. In the case of extensive repair work you will receive an estimate.

Spare parts service

For many products, we offer online spare parts lists that show at a glance what each part is called.
www.pfeifer.info/spare-parts

Documentation of examination reporting and record-keeping

The product's examination reporting and record-keeping is visible to you and all service technicians across Europe.

Work equipment marking

For quick inspection and optimal documentation, we mark your products with numbers and colour markings – matching the technical specifications and the product.

Mobile at your premises, too!

Onsite for you: In the case of larger inspection actions, our mobile Inspection Service comes to your company so that your products are available to you for use again immediately.



Frequency Identification (RFID) marking

Transponders (tags) on the work equipment transmit the data of your work equipment without contact as soon as the test device is within range.

Well equipped

For example on the left: mobile tensile test bench up to 10 t. Right: stationary tensile test bench up to 600 t in our test centres.

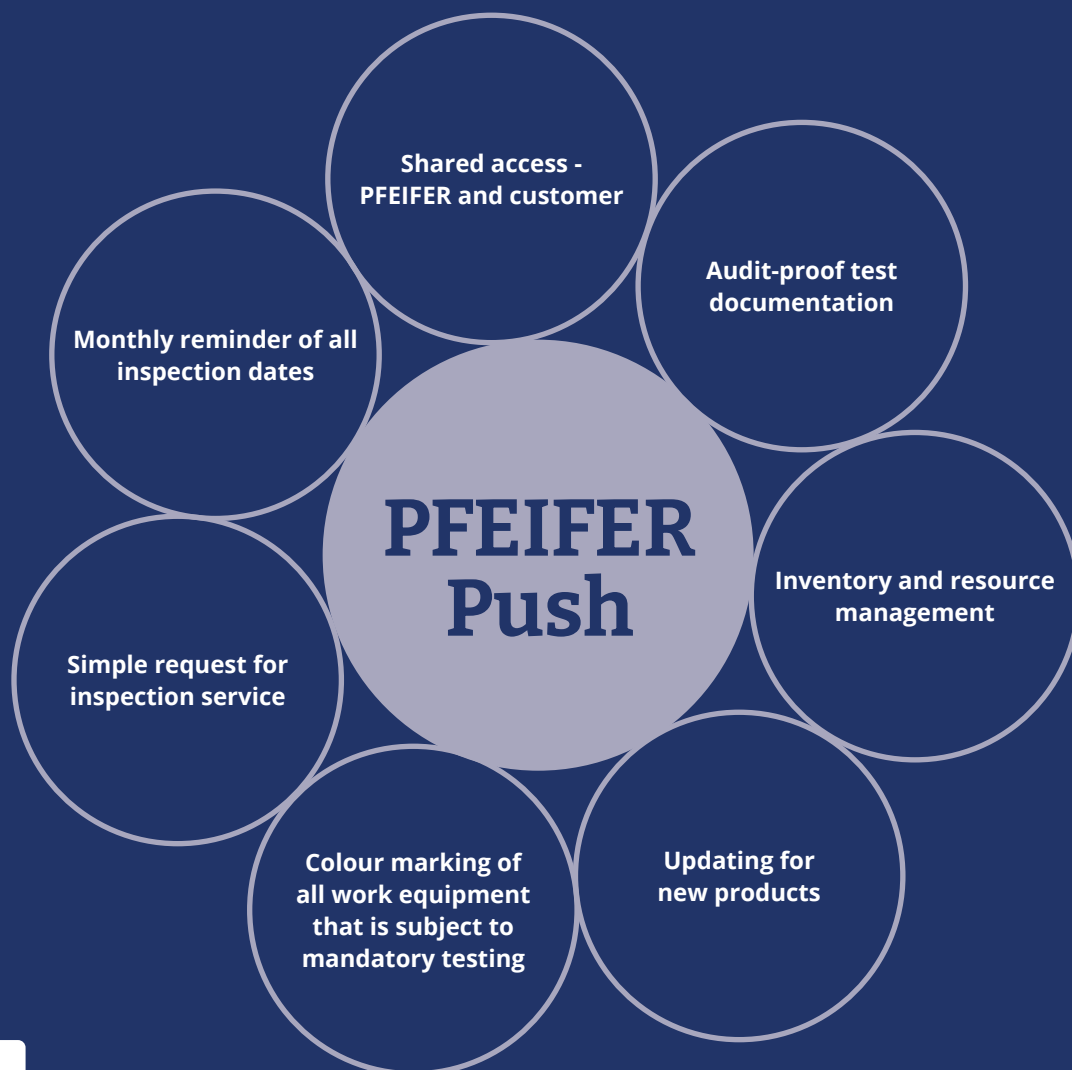
Get informed!

www.pfeifer.info/mobile-services

Who has their eye on every shackle and every lashing strap? You! With PFEIFER PUSH.

With the PFEIFER PUSH web-based work equipment management system, you have an overview of all work equipment subject to mandatory inspection, inspection due dates, the associated inspection records and lists at anytime and anywhere. This gives you security and

saves time during audits. As a customer, you can also conveniently maintain your inventory there. All data can be exported, printed or archived. You can either import new products or specify when ordering that they are to be adopted into the system.



Play it safe now!
We'll be glad to prepare an individual quotation!

pruefservice-azs@pfeifer.de
Phone +49 (0) 800 - 7 23 72 44
Fax +49 (0) 8331-937-198
www.pfeifer.info/mobile-services

PFEIFER Academy. Because safety starts with the user.

Load lifting attachments and attachment devices, manually operated winches, lifting and pulling devices, ropes and lifting anchor systems as well as personal fall protection equipment require careful and expert handling. Trained employees increase safety in the company, avoid accidents and lower costs.

Simply successful

For more than 30 years we have been training more than 1,000 participants annually in up-to-date specialist seminars. In addition to the latest standards, our experienced speakers convey the necessary basic knowledge to your employees – always with reference to practical application. The contents are comprehensibly prepared; all participants receive a certificate as documentation.

Virtual or on-site

We'll be glad to conduct our seminars on site at your premises and adapt the contents individually. Many of the seminars can also take place online. **Just contact us!**



Experience counts

Our many years of experience in the manufacture, assembly, selection, testing and repair of ropes, attachment devices and more is also reflected in the quality of our seminars. The trainers can draw on grown knowledge and are happy to pass it on.



We'll be glad to advise you!

fachseminar@pfeifer.de
Phone +49 (0) 83 31-937-112

Our seminar offer

Technical seminar for training to become a qualified person (expert)
for attachment devices – **online too on request!**

Technical seminar for training to become a qualified person (expert)
for load lifting attachments – **online too on request!**

Refresher seminar for qualified persons (experts)
on load lifting attachments and attachment devices – **online too on request!**

Technical seminar on cargo lashing and securing

Technical seminar on load securing with proof of training

Basic technical seminar on the principles of load securing

Technical seminar for training to become a qualified person (expert)
for the inspection of ropes

Basic technical seminar on the principles of rope inspection

Technical seminar for training to become a qualified person (expert)
for manually operated winches, lifting and pulling devices

Technical seminar on the principles for qualified persons (expert)
for lifting anchor systems – **online too on request!**

Technical seminar on the safe use of lifting anchor
systems – **online too on request!**

Basic instruction on the use of personal
fall protection equipment

Refresher instruction on the use of personal
fall protection equipment

Technical seminar on attachment points for technical designers – **a online too on request!**

* All seminars are conducted exclusively in German.

A yellow crane is lifting a large white cylindrical object, likely a wind turbine nacelle, using a complex pulley system with red and orange straps. The crane's boom is visible on the left side of the frame. The background is a clear blue sky. Two white circular callouts highlight the pulley system and the object being lifted.

Together we move mountains

From attachment points to lashing
straps; standard to custom solutions:
We do everything we can to deliver you
the perfect solution for your lifting and
handling needs. As good, simple and fast
as possible. Just contact us!

Attachment devices and attachment points

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Attachment points

Attachment points from PFEIFER enable the secure attachment or lashing of a load and are mounted directly on it. Their purpose is the attachment of attachment devices or load lifting attachments. The requirement of the Machinery Directive for the equipment of the load with suitable fastening devices are thus met.

Selection matrix: Which attachment point is the right one for my application?

All attachment points comply with the EN 1677-1 standard and the Machinery Directive 2006/42/EC. In addition, the following questions will help you with orientation:

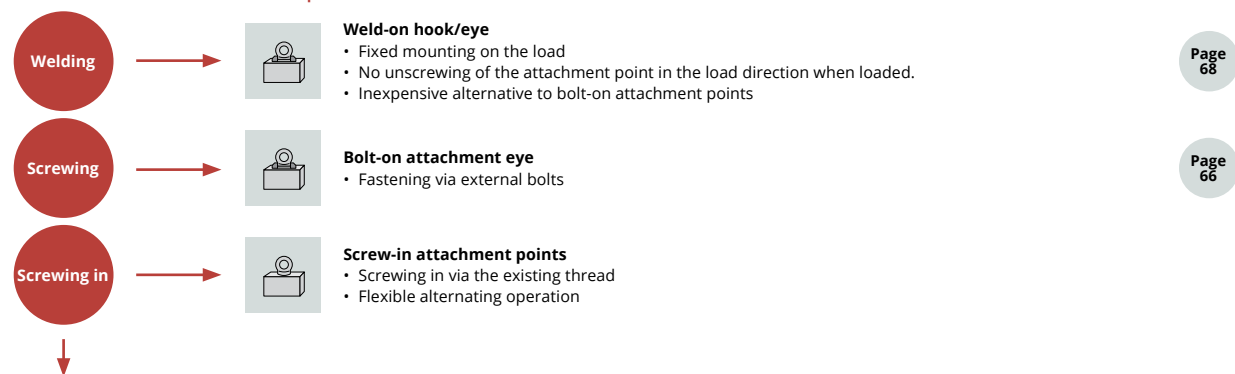
Question:

For which purpose is the attachment point to be used?



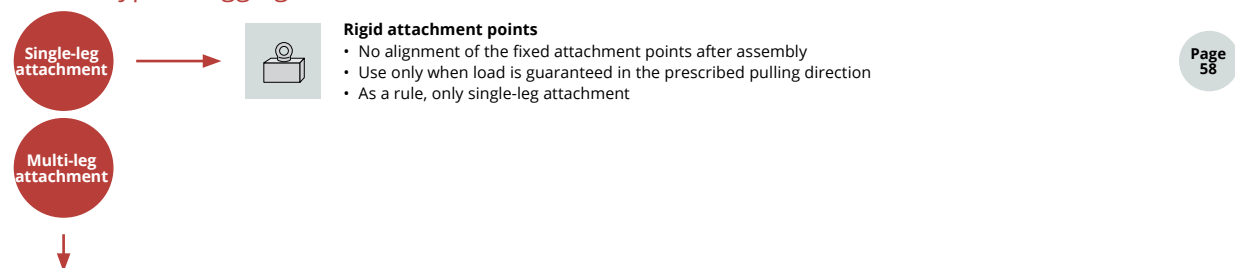
Question:

How should the attachment points be attached?



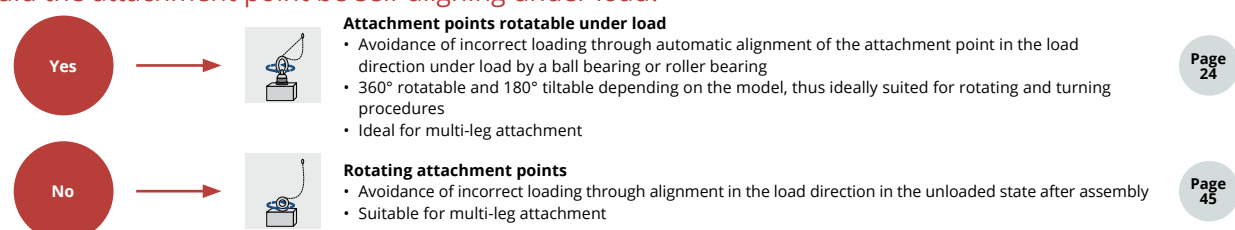
Question:

Which is the type of rigging in use?



Question:

Should the attachment point be self-aligning under load?



Special solutions: We make it possible!

Can't find the right product?
We also offer tailor-made solutions!

For example:



SNS attachment point with gripper for the placement of workpieces



Eye bolt with special thread length and nut, e.g. for clearance hole



Thread adapter – if an existing threaded hole is to be used and it is too big



Custom model with additional load ring – suitable, for example, for aligning the hook parallel to the contact surface of the ring with a 90° attachment.

3D design data

The 3D data for the design can be found on the respective product page at www.pfeifer.info.

**Any questions?
We'll be glad to advise you!**

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Luxembourg
+ 352-57 42 42

Notice on safe use

Numerous carrying capacity factors can occur when attaching.

All factors can occur at the same time and affect the working load limit accordingly!

Are there any particularly hazardous conditions?

Clarify the permissibility and the hazard class separately in the case of

- offshore operations
- lifting persons
- the lifting of potentially hazardous loads, such as liquid metals, corrosive substances or nuclear material

Pay attention to the number of load-bearing legs

With symmetrical load distribution, a maximum of 3 attachment points are considered to be load-bearing. With asymmetrical load distribution, only one attachment point carries the entire load in case of doubt.

Observe the temperature range

The working load limit of attachment points depends among other things on the operating temperature. When selecting the right attachment points, make sure that the permissible operating temperature is not exceeded/undercut. In addition, working load limit reductions must be made from certain temperature limits (see operating instructions).

Estimate the risk of corrosion

Select the attachment point according to the risk of corrosion.

- For a high degree of protection: Stainless steel
- For a moderate degree of protection: Powder coating
- For a low degree of protection: Painting

Is there an increased dynamic load?

If attachment points are exposed to increased dynamics (without particularly hazardous operating conditions), the attachment points should be larger.

The following applies in case of shocks: Select larger attachment points or reduce the working load limits according to the manufacturer's specifications.

Observe angle of inclination

Please note the permissible load angles of the products.

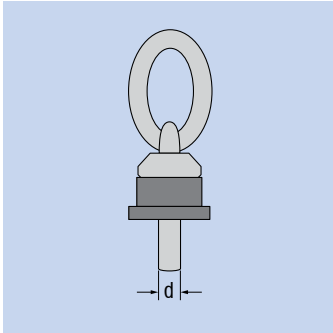
Observe the properties of the load

The load itself must safely absorb the forces generated by the lifting process.

This imposes more constraints on the design, especially with lateral pull.

Choose the right installation location

- The installation location must be easily accessible for fitters and riggers
- Attachment points must always rest flat on the material – observe the manufacturer's instructions!

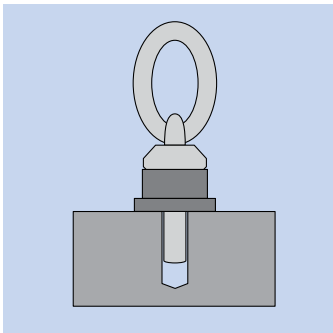


Recommendations for the minimum screw-in depth

100 % working load limit – recommendations for the minimum screw-in depth:

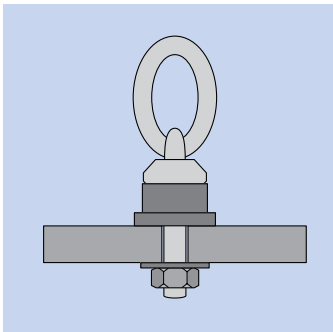
- In steel 1.00 x d
- In cast iron 1.25 x d
- In aluminium 2.00 x d
- In light metals 2.50 x d

Minimum screw-in depth according to the operating instructions has priority!
The attachment point must always rest flat on the material.



Core hole

- A core hole is required for drilling an internal thread
- The core hole depth must be approximately 1.1 times the thread length



Locking

- Locking with washer EN ISO 887 and nut 10.9 crack-tested EN ISO 4033
- Length of standard nut according to EN ISO 4033 is sufficient for the full working load limit if $1.0 \times d$ is reached.
- Tolerances for clearance holes according to EN 20273a
- For loads with an angle of inclination greater than 6° , a lower working load limit than specified must be expected due to the clearance hole – please contact us if you have any questions!

Observe the assembly notice

- When using eye bolts and eye nuts, observe DIN 580 or DIN 582 respectively
- Welding work must be carried out by a qualified welder, for example according to EN ISO 9606-1

Store attachment points in a dry and clean place

Only competent persons are allowed to use the attachment points

Check attachment points each time before use and replace them in good time

- Inspect them visually for damage and obvious faults
- Check the ease of movement (rotation and hinging) of movable attachment points
- Observe the discarding time specifications

Just play it safe. With clear work equipment marking

Individual work equipment marking enables unambiguous identification when it comes to the legally prescribed testing of attachment devices and load lifting attachments. The possibilities range from stickers to needle and laser engraving.



Test numbers

The possibilities range from stickers to needle and laser engraving.



Colour marking

Marking with annually changing colours indicates when the recurrent inspection is due.



RFID technology

Four standard tag shapes in two frequencies facilitate the registration of your products in the company.

Just give us a call!

Take advantage of our services!

We support you with inspections for the safety and discarding time of your attachment devices.



Services

- ▶ Order scheduling
- ▶ Mobile and stationary Inspection Service
- ▶ Instant repairs
- ▶ Spare parts service
- ▶ Modern data management

Total range:

www.pfeifer.info/mobile-services



Contacts:

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+41 (0) 44-7685555

Luxembourg

info@pfeifer-sogequip.lu
+352 57 42-42

- ▶ **Operating temperature:**
-20 °C to +100 °C; reduced working load limit outside this range
- ▶ **Quality grade: 10**
- ▶ **WLL: 0,75 t to 4,5 t**
- ▶ **Thread diameter metric:**
M 12 to M 30

Technical data

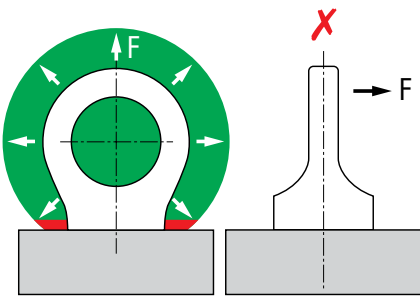
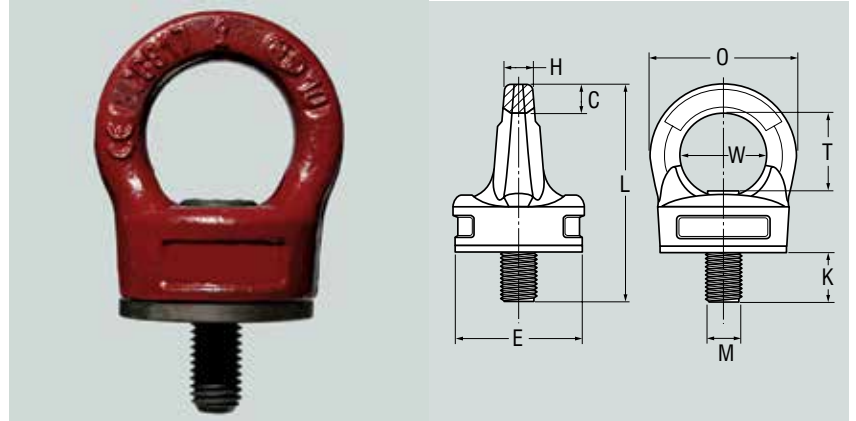
- ▶ **Standard:** DIN EN 1677-1
- ▶ **Safety factor:** 4
- ▶ **Identification mark:** Batch number
- ▶ **Certification:** H-stamp
- ▶ **Rotation:** 360° (under load)
- ▶ **Tilting:** rigid











Options on request

- ▶ with fixed key for simple and practical assembly
- ▶ **Option Identification mark:** with RFID chip; with individual serial number or marking

Twist eye bolt

Under load rotatable eyebolt, optimally suited for continuous turning movements in axial direction.



WLL		kg	750	1500	2300	3200	4500
Thread diameter metric	M		M 12	M 16	M 20	M 24	M 30
Overall length	L	mm	82,5	93,5	111	136,5	167
Thread length	K	mm	18	24	30	38,5	44
Bracket width	H	mm	11	14,5	17	19	27
Bracket height	C	mm	11	13	14	18	22
Contact surface	E	mm	44	56	58	73	80
Clear height	T	mm	32	33	40	44,5	53
Clearance	W	mm	34	39	42	52	62
Ring diameter external	O	mm	56	65	70	88	106
Weight approx.		kg	0,46	0,9	1,15	2,05	4
Reference no.			281535	281536	281537	281538	281539
Maximum load weight per type of rigging							
WLL 1-leg direct 0°		t	0,75	1,5	2,3	3,2	4,5
WLL 1-leg direct 90°		t	0,75	1,5	2,3	3,2	4,5
Working load limit 2-leg with cross bar 0°		t	1,5	3	4,6	6,4	9
WLL 2-leg with cross bar 90°		t	1,5	3	4,6	6,4	9
WLL 2-leg symmetric 0°-45°		t	1	2	3,22	4,48	6,3
WLL 2-leg symmetric 45°-60°		t	0,75	1,5	2,3	3,2	4,5
WLL 2-leg asymmetric		t	0,75	1,5	2,3	3,2	4,5
Load capacity 3-/4-strand symmetrical 0°-45°		t	1,6	3,15	4,83	6,7	9,4
WLL 3-/4-leg symmetric 45°-60°		t	1,12	2,25	3,45	4,8	6,7
WLL 3-/4-leg asymmetric		t	0,75	1,5	2,3	3,2	4,5

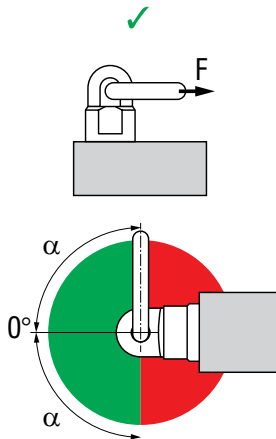
- ▶ **Operating temperature:**
-40 °C to +200 °C; reduced working load limit outside this range
- ▶ **Quality grade: 10**
- ▶ **Load angle: +/-90°**
- ▶ **WLL: 0,3 t to 40 t**
- ▶ **Thread diameter metric:**
M 8 to M 90

Technical data

- ▶ **Standard:** DIN EN 1677-1
- ▶ **Safety factor:** 4
- ▶ **Identification mark:** Batch number
- ▶ **Certification:** H-stamp
- ▶ **Rotation:** 360° (under load)
- ▶ **Tilting:** 180°

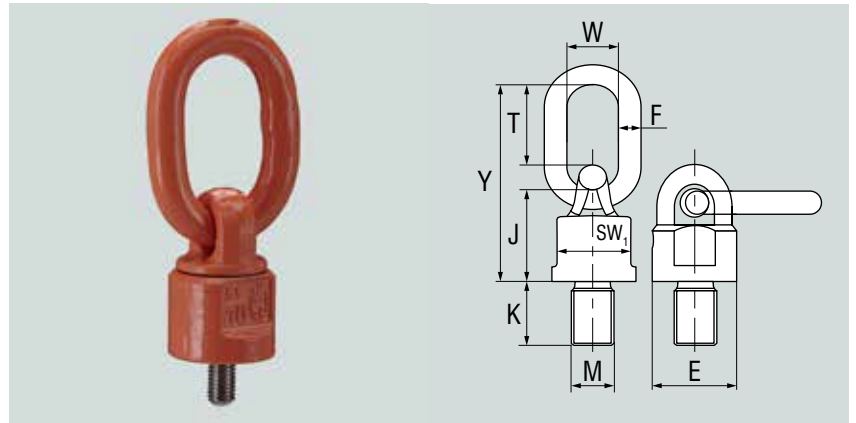
Options on request











- ▶ in weldable execution up to 17 t;
in special designs
- ▶ **Option thread:** with internal thread up to 5 t;
with UNC thread and other thread types
- ▶ **Option Identification mark:** with RFID chip;
with individual serial number or marking























Bolt-on swivel G10 Pro

High quality bolt-on swivel for occasional rotating and turning procedures with top price-performance ratio. Intelligent alternative to the conventional eyebolt.



WLL		kg	300	500	700	1000	1400	1700	1700	2500
Thread diameter metric	M		M 8	M 10	M 12	M 14	M 16	M 20	M 24	M 20
Overall length without thread without stirrup	Y	mm	105	105	105	105	105	105	105	131
Thread length	K	mm	18	18	18	20	20	30	30	30
Wrench size external	SW ₁	mm	30	30	30	30	30	30	30	40
Tightening torque max	MA-max	Nm	10	10	10	25	30	70	70	70
Contact surface	E	mm	38	38	38	38	38	38	38	50
Clear height	T	mm	46	46	46	46	46	46	46	57
Clearance	W	mm	30	30	30	30	30	30	30	34
Ring cross-sectional diameter	F	mm	13	13	13	13	13	13	13	16
Socket height	J	mm	50	50	50	50	50	50	50	61
Weight approx.		kg	0,48	0,48	0,5	0,53	0,53	0,53	0,53	1,05
Reference no.			283930	262485	262486	262487	262488	262489	262490	262491
Maximum load weight per type of rigging										
WLL 1-leg direct 0°		t	0,6	1	1,4	2	2,8	3,4	3,4	5
WLL 1-leg direct 90°		t	0,3	0,5	0,7	1	1,4	1,7	1,7	2,5
Working load limit 2-leg with cross bar 0°		t	1,2	2	2,8	4	5,6	6,8	6,8	10
WLL 2-leg with cross bar 90°		t	0,6	1	1,4	2	2,8	3,4	3,4	5
WLL 2-leg symmetric 0°-45°		t	0,42	0,7	1	1,4	2	2,4	2,4	3,5
WLL 2-leg symmetric 45°-60°		t	0,3	0,5	0,7	1	1,4	1,7	1,7	2,5
WLL 2-leg asymmetric		t	0,3	0,5	0,7	1	1,4	1,7	1,7	2,5
Load capacity 3-/4-strand symmetrical 0°-45°		t	0,63	1	1,4	2,1	3	3,6	3,6	5,3
WLL 3-/4-leg symmetric 45°-60°		t	0,45	0,75	1	1,5	2,1	2,5	2,5	3,7
WLL 3-/4-leg asymmetric		t	0,3	0,5	0,7	1	1,4	1,7	1,7	2,5

WLL		kg	4000	4000	6700	8000	10000	12500	12500	12500
Thread diameter metric	M		M 24	M 30	M 30	M 30	M 36	M 42	M 45	M 48
Overall length without thread without stirrup	Y	mm	153	153	156	200	200	200	200	200
Thread length	K	mm	30	35	35	45	54	63	60	72
Wrench size external	SW ₁	mm	48	48	70	80	80	80	80	80
Tightening torque max	MA _{max}	Nm	150	150	225	225	410	550	550	550
Contact surface	E	mm	58	58	80	90	90	90	90	90
Clear height	T	mm	70	70	65	91	91	91	91	91
Clearance	W	mm	40	40	45	50	50	50	50	50
Ring cross-sectional diameter	F	mm	18	18	22	23	23	23	23	23
Socket height	J	mm	68	68	71	86	86	86	86	86
Weight approx.		kg	1,63	1,63	2,85	4,4	4,62	5,2	5,2	5,2
Reference no.			262492	262493	262494	262495	262496	262497	262498	262499
Maximum load weight per type of rigging										
WLL 1-leg direct 0°		t	8	8	12	12	15	15	15	15
WLL 1-leg direct 90°		t	4	4	6,7	8	10	12,5	12,5	12,5
Working load limit 2-leg with cross bar 0°		t	16	16	24	24	30	30	30	30
WLL 2-leg with cross bar 90°		t	8	8	13,4	16	20	25	25	25
WLL 2-leg symmetric 0°-45°		t	5,6	5,6	9,5	11,2	14	17	17	17
WLL 2-leg symmetric 45°-60°		t	4	4	6,7	8	10	12,5	12,5	12,5
WLL 2-leg asymmetric		t	4	4	6,7	8	10	12,5	12,5	12,5
Load capacity 3-/4-strand symmetrical 0°-45°		t	8,5	8,5	14	16,8	21,2	25	25	25
WLL 3-/4-leg symmetric 45°-60°		t	6	6	10	12	15	18	18	18
WLL 3-/4-leg asymmetric		t	4	4	6,7	8	10	12,5	12,5	12,5

WLL		kg	16000	17000	18000	28000	31500	35000	40000
Thread diameter metric	M		M 45	M 48	M 56	M 64	M 72	M 80	M 90
Overall length without thread without stirrup	Y	mm	262	262	262	333	333	333	333
Thread length	K	mm	60	60	78	96	108	120	135
Wrench size external	SW ₁	mm	100	100	100	134	134	134	134
Tightening torque max	MA-max	Nm	550	550	800	800	1200	1500	2000
Contact surface	E	mm	120	120	120	170	170	170	170
Clear height	T	mm	120	120	120	124	124	124	124
Clearance	W	mm	70	70	70	90	90	90	90
Ring cross-sectional diameter	F	mm	32	32	32	45	45	45	45
Socket height	J	mm	112	112	112	165	165	165	165
Weight approx.		kg	10,9	10,9	10,9	29	29	29	29
Reference no.			262500	262501	262502	262503	262504	262505	262506
Maximum load weight per type of rigging									
WLL 1-leg direct 0°		t	25	25	25	32,5	40	40	50
WLL 1-leg direct 90°		t	16	17	18	28	31,5	35	40
Working load limit 2-leg with cross bar 0°		t	50	50	50	65	80	80	100
WLL 2-leg with cross bar 90°		t	32	34	36	56	63	70	80
WLL 2-leg symmetric 0°-45°		t	21,2	23,5	25,2	39	44,1	49	56
WLL 2-leg symmetric 45°-60°		t	15	17	18	28	31,5	35	40
WLL 2-leg asymmetric		t	15	17	18	28	31,5	35	40
Load capacity 3-/4-strand symmetrical 0°-45°		t	31,5	35	37,8	58	66,2	74	84
WLL 3-/4-leg symmetric 45°-60°		t	22,4	25	27	42	47,2	52,5	60
WLL 3-/4-leg asymmetric		t	15	17	18	28	31,5	35	40

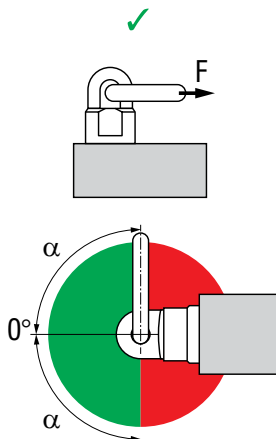
- ▶ **Operating temperature:**
-40 °C to +200 °C; reduced working load limit outside this range
- ▶ **Quality grade: 8**
- ▶ **Load angle: +/-90°**
- ▶ **WLL: 0,3 t to 35 t**
- ▶ **Thread diameter metric:**
M 8 to M 90

Technical data

- ▶ **Standard:** DIN EN 1677-1
- ▶ **Safety factor:** 4
- ▶ **Identification mark:** Batch number
- ▶ **Certification:** H-stamp
- ▶ **Rotation:** 360° (under load)
- ▶ **Tilting:** 180°

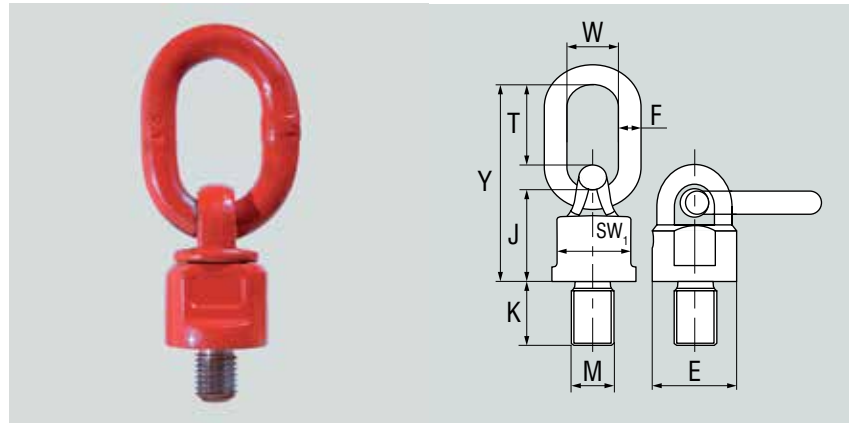
Options on request











- ▶ in special designs
- ▶ **Option thread:** Variable thread lengths; with UNC thread and other thread types
- ▶ **Option Identification mark:** with RFID chip; with individual serial number or marking













Bolt-on swivel G8 Pro

High quality bolt-on swivel for occasional rotating and turning procedures with top price-performance ratio. Intelligent alternative to the conventional eyebolt.



WLL		kg	300	300	500	1120	2000	3150	5300	8000	8000	10000
Thread diameter metric	M		M 8	M 10	M 12	M 16	M 20	M 24	M 30	M 30	M 36	M 36
Overall length without thread without stirrup	Y	mm	105	105	105	105	131	153	165	205	205	205
Thread length	K	mm	18	18	18	20	30	30	35	35	54	50
Wrench size external	SW ₁	mm	30	30	30	30	40	48	65	78	75	78
Tightening torque max	MA-max	Nm	10	10	10	30	70	150	225	225	410	550
Contact surface	E	mm	38	38	38	38	50	58	75	85	85	85
Clear height	T	mm	46	46	46	46	57	70	65	95	95	95
Clearance	W	mm	30	30	30	30	34	40	45	49	50	49
Ring cross-sectional diameter	F	mm	13	13	13	13	16	18	22	23	23	23
Socket height	J	mm	50	50	50	50	61	68	80	95	95	95
Weight approx.		kg	0,48	0,48	0,5	0,53	1,05	1,63	3,02	5,3	5,5	4,64
Reference no.			281477	219846	219847	219848	219849	219850	219851	370084	238035	370086
Maximum load weight per type of rigging												
WLL 1-leg direct 0°		t	0,6	0,6	1	2	4	6,3	10,6	12,5	12,5	15
WLL 1-leg direct 90°		t	0,3	0,3	0,5	1,1	2	3,2	5,3	8	8	10
Working load limit 2-leg with cross bar 0°		t	1,2	1,2	2	4	8	12,5	21,2	25	25	30
WLL 2-leg with cross bar 90°		t	0,6	0,6	1	2	4	6,3	10,6	16	16	20
WLL 2-leg symmetric 0°-45°		t	0,4	0,4	0,8	1,5	2,8	4,3	7,1	11,2	11,2	14
WLL 2-leg symmetric 45°-60°		t	0,3	0,3	0,5	1,1	2	3,2	5,3	8	8	10
WLL 2-leg asymmetric		t	0,3	0,3	0,5	1,1	2	3,2	5,3	8	8	10
Load capacity 3-/4-strand symmetrical 0°-45°		t	0,6	0,6	1,1	2,4	4	6,3	11,2	16,8	16,8	21,2
WLL 3-/4-leg symmetric 45°-60°		t	0,5	0,5	0,8	1,6	3	4,8	8	12	12	15
WLL 3-/4-leg asymmetric		t	0,3	0,3	0,5	1,1	2	3,2	5,3	8	8	10

WLL		kg	10000	15000	15000	15000	15000	20000	25000	30000	35000
Thread diameter metric	M		M 42	M 48	M 45	M 56	M 64	M 64	M 72	M 80	M 90
Overall length without thread without stirrup	Y	mm	205	280	280	280	280	280	338	338	338
Thread length	K	mm	63	60	60	78	96	110	108	120	135
Wrench size external	SW ₁	mm	75	95	95	95	95	95	134	137	137
Tightening torque max	MA-max	Nm	550	550	550	800	800	800	1200	1500	2000
Contact surface	E	mm	85	120	120	120	120	120	170	170	170
Clear height	T	mm	95	120	120	120	120	120	130	130	130
Clearance	W	mm	50	70	70	70	70	70	90	90	90
Ring cross-sectional diameter	F	mm	23	32	32	32	32	32	45	45	45
Socket height	J	mm	95	130	130	130	130	130	165	165	165
Weight approx.		kg	4,8	10	10	10	10	12	29	29	29
Reference no.			219856	262478	285365	219857	262479	281479	262481	283929	262480
Maximum load weight per type of rigging											
WLL 1-leg direct 0°		t	15	25	25	25	25	25	35	35	35
WLL 1-leg direct 90°		t	10	15	15	15	15	20	25	30	35
Working load limit 2-leg with cross bar 0°		t	30	50	50	50	50	50	70	70	70
WLL 2-leg with cross bar 90°		t	20	30	30	30	30	40	50	50	70
WLL 2-leg symmetric 0°-45°		t	14	21	21	21	21	28	35	42	49
WLL 2-leg symmetric 45°-60°		t	10	15	15	15	15	20	25	30	35
WLL 2-leg asymmetric		t	10	15	15	15	15	20	25	30	35
Load capacity 3-/4-strand symmetrical 0°-45°		t	21,2	31,5	31,5	31,5	31,5	42,5	52,5	63	73,5
WLL 3-/4-leg symmetric 45°-60°		t	15	22,5	22,5	22,5	22,5	30	37,5	45	52,5
WLL 3-/4-leg asymmetric		t	10	15	15	15	15	20	25	30	35

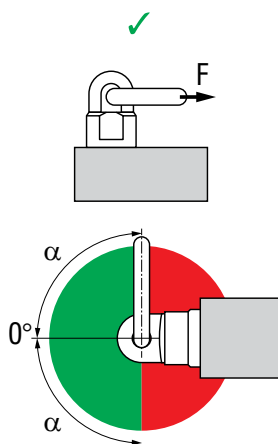
- ▶ **Operating temperature:**
-40 °C to +200 °C; reduced working load limit outside this range
- ▶ **Quality grade: 10**
- ▶ **Load angle: +/-90°**
- ▶ **WLL: 0,5 t to 20 t**
- ▶ **Thread diameter metric:**
M 10 to M 64

Technical data

- ▶ **Standard:** DIN EN 1677-1
- ▶ **Safety factor:** 4
- ▶ **Identification mark:** Batch number
- ▶ **Certification:** H-stamp
- ▶ **Rotation:** 360° (under load)
- ▶ **Tilting:** 180°

Options on request

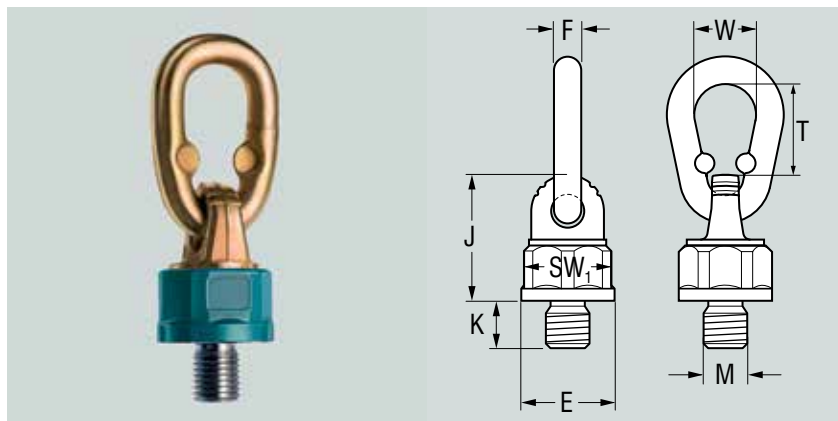
- ▶ in special designs; in weldable execution up to 32.5 t
- ▶ **Option thread:** with internal thread up to 15 t; Variable thread lengths; with UNC thread and other thread types
- ▶ **Option Identification mark:** with RFID chip; with individual serial number or marking













Bolt-on swivel AP3+

High standard bolt-on swivel with optimised contact surface, inclination angle indicator and crimp marks on the load ring which prevent kinking of the load ring.

Intelligent alternative to the conventional eyebolt.



WLL		kg	500	700	1000	1400	2500	4000	6700	8000	10000
Thread diameter metric	M		M 10	M 12	M 14	M 16	M 20	M 24	M 30	M 30	M 36
Thread length	K	mm	18	18	20	20	30	30	35	35	50
Wrench size external	SW ₁	mm	34	34	34	34	46	50	65	75	75
Tightening torque min	MA _{min}	Nm	10	15	30	45	100	190	230	270	270
Tightening torque max	MA _{max}	Nm	40	40	40	130	170	280	400	600	600
Contact surface	E	mm	36,5	36,5	36,5	36,5	52	57	70	81	81
Clear height	T	mm	55	55	55	55	70	85	85	115	115
Clearance	W	mm	32	32	32	32	34	45	45	60	60
Ring cross-sectional diameter	F	mm	13	13	13	13	16	18	20	23	23
Socket height	J	mm	48	48	48	48	67	75	94,5	106	106
Weight approx.		kg	0,43	0,43	0,43	0,44	0,98	1,43	2,33	3,59	3,72
Reference no.			222669	217109	237260	217110	217111	217112	217114	237261	237262
Maximum load weight per type of rigging											
WLL 1-leg direct 0°		t	1	1,4	2	2,8	5	8	12	12	15
WLL 1-leg direct 90°		t	0,5	0,7	1	1,4	2,5	4	6,7	8	10
Working load limit 2-leg with cross bar 0°		t	2	2,8	4	5,6	10	16	24	24	30
WLL 2-leg with cross bar 90°		t	1	1,4	2	2,8	5	8	13,4	16	20
WLL 2-leg symmetric 0°-45°		t	0,7	1	1,4	2	3,6	5,6	9,5	11,2	14
WLL 2-leg symmetric 45°-60°		t	0,5	0,7	1	1,4	2,5	4	6,7	8	10
WLL 2-leg asymmetric		t	0,5	0,7	1	1,4	2,5	4	6,7	8	10
Load capacity 3-/4-strand symmetrical 0°-45°		t	1	1,4	2,1	3	5,3	8,5	14	16	21,2
WLL 3-/4-leg symmetric 45°-60°		t	0,8	1	1,5	2,1	3,8	6	10	12	15
WLL 3-/4-leg asymmetric		t	0,5	0,7	1	1,4	2,5	4	6,7	8	10

WLL		kg	12500	12500	12500	13000	17000	17000	18000	20000
Thread diameter metric	M		M 42	M 45	M 48	M 42	M 45	M 48	M 56	M 64
Thread length	K	mm	60	60	72	60	60	60	78	96
Wrench size external	SW ₁	mm	75	75	75	95	95	95	95	95
Tightening torque min	MA _{min}	Nm	270	270	270	270	350	350	350	350
Tightening torque max	MA _{max}	Nm	700	700	700	700	800	800	900	900
Contact surface	E	mm	81	81	81	104	104	104	104	104
Clear height	T	mm	115	115	115	140	140	140	140	140
Clearance	W	mm	60	60	60	70	70	70	70	70
Ring cross-sectional diameter	F	mm	23	23	23	30	30	30	30	30
Socket height	J	mm	106	106	106	127	127	127	127	127
Weight approx.		kg	3,91	4,03	4,35	7,52	7,5	7,57	8,26	9,08
Reference no.			230259	237263	237264	237265	237266	233867	237267	237268
Maximum load weight per type of rigging										
WLL 1-leg direct 0°		t	15	15	15	20	25	25	25	25
WLL 1-leg direct 90°		t	12,5	12,5	12,5	13	17	17	18	20
Working load limit 2-leg with cross bar 0°		t	30	30	30	40	50	50	50	50
WLL 2-leg with cross bar 90°		t	25	25	25	26	34	34	36	40
WLL 2-leg symmetric 0°-45°		t	17	17	17	18	23,5	23,5	25	28
WLL 2-leg symmetric 45°-60°		t	12,5	12,5	12,5	13	17	17	18	20
WLL 2-leg asymmetric		t	12,5	12,5	12,5	13	17	17	18	20
Load capacity 3-/4-strand symmetrical 0°-45°		t	25	25	25	27	35	35	37,5	40
WLL 3-/4-leg symmetric 45°-60°		t	18	18	18	19	25	25	26,5	30
WLL 3-/4-leg asymmetric		t	12,5	12,5	12,5	13	17	17	18	20

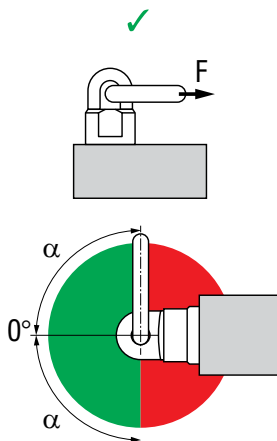
- ▶ **Suspension ring cannot twist**
- ▶ **Operating temperature:**
-20 °C to +200 °C; **reduced working load limit outside this range**
- ▶ **Load angle: +/-90°**
- ▶ **WLL: 0,4 t to 6 t**
- ▶ **Thread diameter metric:**
M 8 to M 30

Technical data

- ▶ **Material:** high-strength
- ▶ **Standard:** DIN EN 1677-1, ASME B30.26-1010
- ▶ **Safety factor:** 5 or 4
- ▶ **Identification mark:** Batch number
- ▶ **Rotation:** 360°
- ▶ **Tilting:** 180°

Options on request

- ▶ in special designs; in weldable execution up to 5 t; with centring; with spring for locking the load ring
- ▶ **Option thread:** with internal thread up to 3 t; Variable thread lengths; with UNC thread and other thread types; with thread adapter
- ▶ **Option identification mark:** with RFID chip; with engraving of the carrying capacity with SF 4:1; with individual serial number or marking; with LC marking for lashing; with special paint finish

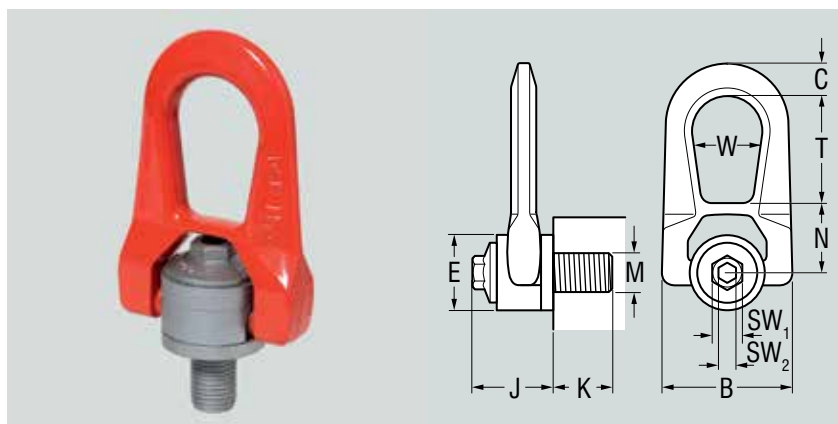


SNS bolt-on swivel

Premium bolt-on swivel for continuous swivel action with individual serial number.

The approval in accordance with ASME B30.26-1010 allows use on the American market and in offshore areas.

Intelligent alternative to the conventional eyebolt.



WLL		kg	400	700	1050	1400	2000	2300	2500	3500	4400	5700	6000
Thread diameter metric	M		M 8	M 10	M 12	M 14	M 16	M 18	M 20	M 22	M 24	M 27	M 30
Thread length	K	mm	15	18	21	23	27	27	30	33	36	40	45
Thread Pitch	S _{TF}	mm	1,25	1,5	1,75	2	2	2,5	2,5	2,5	3	3	3,5
Wrench size external	SW ₁	mm	16	16	16	20	20	20	20	24	24	24	24
Wrench size internal	SW ₂	mm	8	8	8	8	8	8	8	14	14	14	14
Tightening torque min	MA _{min}	Nm	6	10	15	30	50	70	100	120	160	200	250
Tightening torque max	MA _{max}	Nm	6	10	15	30	50	70	100	120	160	200	250
Body width	B	mm	53	53	53	76	76	76	76	115	115	115	115
Bracket height	C	mm	14	14	14	17	17	17	17	25	25	25	25
Contact surface	E	mm	30	30	30	45	45	45	45	60	60	60	60
Clear height	T	mm	38	38	38	53	53	53	53	83	83	83	83
Clearance	W	mm	27	27	27	38	38	38	38	55	55	55	55
Socket height	J	mm	33	33	33	45	45	45	45	62	62	62	62
Distance pivot point base web	N	mm	30	30	30	40	40	40	40	55	55	55	55
Weight approx.		kg	0,3	0,3	0,3	0,9	0,9	0,9	0,9	2,6	2,6	2,7	2,7
Reference no.			323664	323665	323666	323667	323668	323669	323670	323671	323672	323673	323674
Maximum load weight per type of rigging													
WLL 1-leg direct 0°		t	0,8	1,3	1,5	2,5	2,7	2,5	2,8	5,5	6	6	6,3
WLL 1-leg direct 90°		t	0,4	0,7	1,1	1,4	2	2,3	2,5	3,5	4,4	5,7	6
Working load limit 2-leg with cross bar 0°		t	1,6	2,6	3	5	5,4	5	5,6	11	12	12	12,6
WLL 2-leg with cross bar 90°		t	0,8	1,4	2,1	2,8	4	4,6	5	7	8,8	11,4	12
WLL 2-leg symmetric 0°-45°		t	0,5	0,9	1,4	1,9	2,8	3,2	3,5	4,9	6,1	7,9	8,4
WLL 2-leg symmetric 45°-60°		t	0,4	0,7	1	1,4	2	2,3	2,5	3,5	4,4	5,7	6
WLL 2-leg asymmetric		t	0,4	0,7	1	1,4	2	2,3	2,5	3,5	4,4	5,7	6
Load capacity 3-/4-strand symmetrical 0°-45°		t	0,8	1,4	2,2	2,9	4,2	4,8	5,2	7,3	9,2	11,9	12,6
WLL 3-/4-leg symmetric 45°-60°		t	0,4	0,7	1	1,4	2	2,3	2,5	3,5	4,4	5,7	6
WLL 3-/4-leg asymmetric		t	0,4	0,7	1,1	1,4	2	2,3	2,5	3,5	4,4	5,7	6

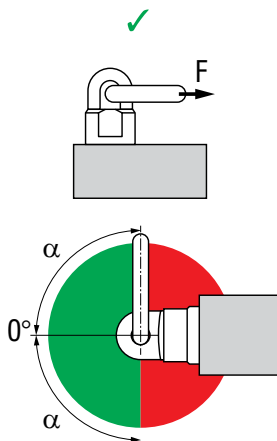
- ▶ **Suspension ring cannot twist**
- ▶ **Operating temperature:**
-20 °C to +200 °C; **reduced working load limit outside this range**
- ▶ **Load angle: +/-90°**
- ▶ **WLL: 8,5 t to 48 t**
- ▶ **Thread diameter metric:**
M 33 to M 100

Technical data

- ▶ **Material:** high-strength
- ▶ **Standard:** DIN EN 1677-1, ASME B30.26-1010
- ▶ **Safety factor:** 5 or 4
- ▶ **Identification mark:** Batch number and serial number
- ▶ **Rotation:** 360°
- ▶ **Tilting:** 180°

Options on request

- ▶ in special designs; in weldable execution; with centring; with spring for locking the load ring
- ▶ **Option thread:** with internal thread; Variable thread lengths; with UNC thread and other thread types; with thread adapter
- ▶ **Option identification mark:** with engraving of the carrying capacity with SF 4:1; with RFID chip; with individual serial number or marking; with LC marking for lashing; with special paint finish

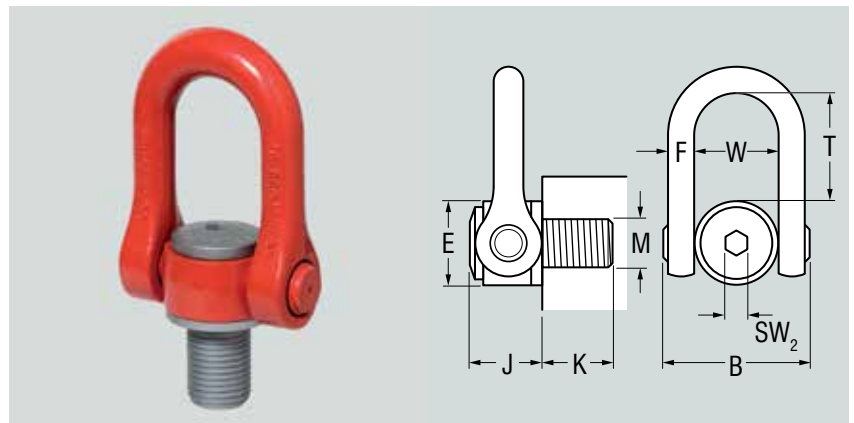









SNB bolt-on swivel











Premium bolt-on swivel for continuous swivel action with individual serial number.

The approval in accordance with ASME B30.26-1010 allows use on the American market and in offshore areas.

Intelligent alternative to the conventional eyebolt.



WLL		kg	8500	11000	12000	13000	14500	17000	19000	22000
Thread diameter metric	M		M 33	M 36	M 39	M 42	M 45	M 48	M 52	M 56
Thread length	K	mm	50	54	58	63	63	68	68	78
Thread Pitch	S _{TF}	mm	3,5	4	4	4,5	4,5	5	5	5,5
Wrench size internal	SW ₂	mm	19	19	19	19	19	19	19	19
Tightening torque min	MA _{min}	Nm	250	320	320	400	400	600	600	600
Tightening torque max	MA _{max}	Nm	250	320	320	400	400	600	600	600
Body width	B	mm	149	149	149	149	149	182	182	182
Contact surface	E	mm	70	70	70	70	70	90	90	90
Clear height	T	mm	104	104	104	104	104	125	125	125
Clearance	W	mm	73	73	73	73	73	91	91	91
Ring cross-sectional diameter	F	mm	33	33	33	33	33	45	45	45
Socket height	J	mm	61	61	61	61	61	79	79	79
Weight approx.		kg	5,5	5,5	5,7	5,8	5,7	11	11	11,3
Reference no.			323677	323679	323681	323682	323685	323686	323688	323690
Maximum load weight per type of rigging										
WLL 1-leg direct 0°		t	14,5	15	15	15	15	22	23	25
WLL 1-leg direct 90°		t	8,5	11	12	13	14,5	17	19	22
Working load limit 2-leg with cross bar 0°		t	29	30	30	30	30	44	46	50
WLL 2-leg with cross bar 90°		t	17	22	24	26	29	34	38	44
WLL 2-leg symmetric 0°-45°		t	11,9	15,4	16,8	18,2	20,3	23,8	26,6	30,8
WLL 2-leg symmetric 45°-60°		t	8,5	11	12	13	14,5	17	19	22
WLL 2-leg asymmetric		t	8,5	11	12	13	14,5	17	19	22
Load capacity 3-4-strand symmetrical 0°-45°		t	17,9	23,1	25,2	27,3	30,4	35,7	39,9	46,2
WLL 3-4-leg symmetric 45°-60°		t	8,5	11	12	13	14,5	17	19	22
WLL 3-4-leg asymmetric		t	8,5	11	12	13	14,5	17	19	22

WLL		kg	25000	25000	25000	28000	32000	36000	48000
Thread diameter metric	M		M 64	M 80	M 100	M 72	M 80	M 90	M 100
Thread length	K	mm	90	90	90	110	120	135	150
Thread Pitch	S _{TF}	mm	6	6	6	6	6	6	6
Wrench size internal	SW ₂	mm	19	19	19	36	36	36	36
Tightening torque min	MA _{min}	Nm	600	600	600	700	800	900	1000
Tightening torque max	MA _{max}	Nm	600	600	600	700	800	900	1000
Body width	B	mm	182	182	182	278	278	278	278
Contact surface	E	mm	95	100	110	140	140	140	140
Clear height	T	mm	125	125	125	195	195	195	195
Clearance	W	mm	91	91	91	143	143	143	143
Ring cross-sectional diameter	F	mm	45	45	45	69	69	69	69
Socket height	J	mm	79	79	79	127	127	127	127
Weight approx.		kg	12,2	15	16,5	43	44,5	46,5	49
Reference no.			323691	323693	323694	323695	323696	323697	323698
Maximum load weight per type of rigging									
WLL 1-leg direct 0°		t	25	25	25	28	32	36	48
WLL 1-leg direct 90°		t	25	25	25	28	32	36	48
Working load limit 2-leg with cross bar 0°		t	50	50	50	56	64	72	96
WLL 2-leg with cross bar 90°		t	50	50	50	56	64	72	96
WLL 2-leg symmetric 0°-45°		t	35	35	35	39,2	44,8	50,4	67,2
WLL 2-leg symmetric 45°-60°		t	25	25	25	28	32	36	48
WLL 2-leg asymmetric		t	25	25	25	28	32	36	48
Load capacity 3-/4-strand symmetrical 0°-45°		t	52,5	52,5	52,5	58,8	67,2	75,6	100,8
WLL 3-/4-leg symmetric 45°-60°		t	25	25	25	28	32	36	48
WLL 3-/4-leg asymmetric		t	25	25	25	28	32	36	48

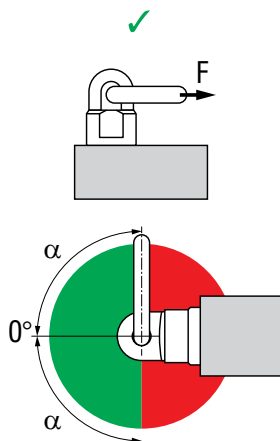
- ▶ Suspension ring cannot twist
- ▶ Operating temperature: -20 °C to $+200\text{ °C}$; reduced working load limit outside this range
- ▶ Load angle: $\pm 90^\circ$
- ▶ WLL: 0,3 t to 3 t
- ▶ Thread diameter metric: M 8 to M 30

Technical data

- ▶ **Material:** stainless steel
- ▶ **Standard:** DIN EN 1677-1, ASME B30.26-1010
- ▶ **Safety factor:** 5 or 4
- ▶ **Identification mark:** Batch number and serial number
- ▶ **Rotation:** 360° (under load)
- ▶ **Tilting:** 180°

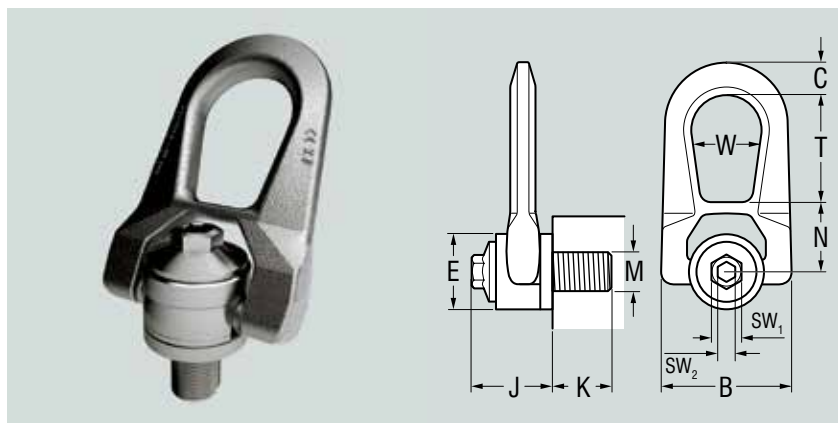
Options on request











- ▶ in special designs; with spring for locking the load ring
- ▶ **Option thread:** with internal thread up to 2 t; Variable thread lengths; with UNC thread and other thread types
- ▶ **Option Identification mark:** with engraving of the carrying capacity with SF 4:1; with RFID chip; with individual serial number or marking; with LC marking for lashing



Stainless steel SNS bolt-on swivel

Premium bolt-on stainless steel swivel, resistant to corrosion and for specific industries, with individual serial number. Intelligent alternative to the conventional eyebolt.



WLL		kg	300	500	800	1000	1400	1400	1400	2200	2700	2800	3000
Thread diameter metric	M		M 8	M 10	M 12	M 14	M 16	M 18	M 20	M 22	M 24	M 27	M 30
Thread length	K	mm	16	16	19	29	26	30	30	42	42	47	47
Thread Pitch	S _{TF}	mm	1,25	1,5	1,75	2	2	2,5	2,5	2,5	3	3	3,5
Wrench size external	SW ₁	mm	16	16	16	20	20	20	20	24	24	24	24
Wrench size internal	SW ₂	mm	8	8	8	8	8	8	8	14	14	14	14
Body width	B	mm	53	53	53	76	76	76	76	115	115	115	115
Bracket height	C	mm	13	13	13	17	17	17	17	25	25	25	25
Contact surface	E	mm	30	30	30	42	45	45	45	58	58	58	58
Clear height	T	mm	39	39	39	53	53	53	53	83	83	83	83
Clearance	W	mm	28	28	28	38	38	38	38	56	56	56	56
Socket height	J	mm	32	32	32	44	44	44	44	62	62	62	62
Distance pivot point base web	N	mm	30	30	30	40	40	40	40	55	55	55	55
Weight approx.		kg	0,3	0,3	0,3	0,9	0,9	1	1	2,5	2,6	2,7	2,8
Reference no.			323701	323702	323703	323705	323707	323709	323710	323711	323712	323752	323714
Maximum load weight per type of rigging													
WLL 1-leg direct 0°		t	0,4	0,7	0,9	1,2	1,5	1,5	1,5	2,8	2,8	2,9	3
WLL 1-leg direct 90°		t	0,3	0,5	0,8	1	1,4	1,4	1,4	2,2	2,7	2,8	3
Working load limit 2-leg with cross bar 0°		t	0,8	1,4	1,8	2,4	3	3	3	5,6	5,6	5,8	6
WLL 2-leg with cross bar 90°		t	0,6	1	1,6	2	2,8	2,8	2,8	4,4	5,4	5,6	6
WLL 2-leg symmetric 0°-45°		t	0,4	0,7	1,1	1,4	1,9	1,9	1,9	3	3,7	3,9	4,2
WLL 2-leg symmetric 45°-60°		t	0,3	0,5	0,8	1	1,4	1,4	1,4	2,2	2,7	2,8	3
WLL 2-leg asymmetric		t	0,3	0,5	0,8	1	1,4	1,4	1,4	2,2	2,7	2,8	3
Load capacity 3-/4-strand symmetrical 0°-45°		t	0,6	1	1,6	2,1	2,9	2,9	2,9	4,6	5,6	5,8	6,3
WLL 3-/4-leg symmetric 45°-60°		t	0,3	0,5	0,8	1	1,4	1,4	1,4	2,2	2,7	2,8	3
WLL 3-/4-leg asymmetric		t	0,3	0,5	0,8	1	1,4	1,4	1,4	2,2	2,7	2,8	3

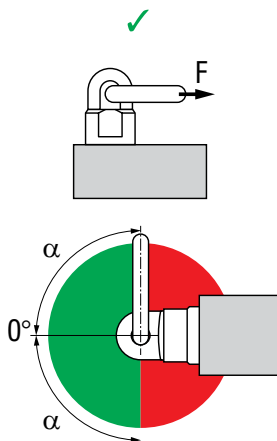
- ▶ Suspension ring cannot twist
- ▶ Operating temperature: -20 °C to +200 °C; reduced working load limit outside this range
- ▶ Load angle: +/-90°
- ▶ WLL: 3,5 t to 6 t
- ▶ Thread diameter metric: M 30 to M 45

Technical data

- ▶ **Material:** stainless steel
- ▶ **Standard:** DIN EN 1677-1, ASME B30.26-1010
- ▶ **Safety factor:** 5
- ▶ **Identification mark:** Batch number and serial number
- ▶ **Rotation:** 360° (under load)
- ▶ **Tilting:** 180°

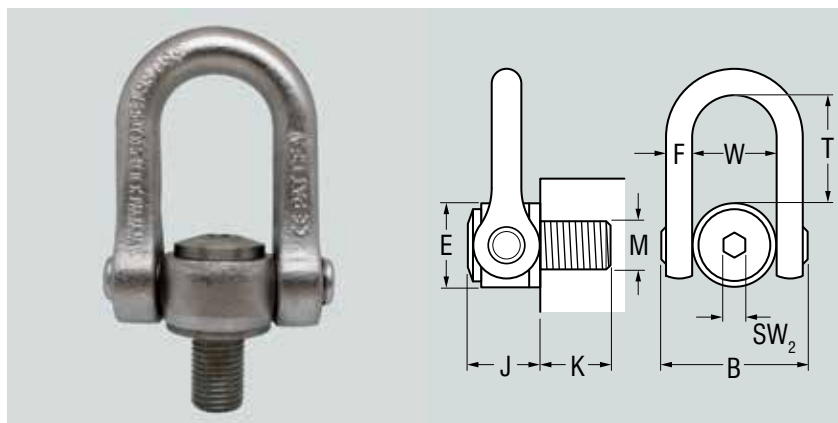
Options on request











- ▶ in special designs; with spring for locking the load ring
- ▶ **Option thread:** Variable thread lengths; with UNC thread and other thread types; with internal thread
- ▶ **Option Identification mark:** with RFID chip; with individual serial number or marking; with LC marking for lashing



Stainless steel SNB bolt-on swivel

Premium bolt-on stainless steel swivel for heavy loads, resistant to corrosion and for specific industries, with individual serial number. Intelligent alternative to the conventional eyebolt.



WLL		kg	3500	3500	5000	5000	6000	6000
Thread diameter metric	M		M 30	M 33	M 36	M 39	M 42	M 45
Thread length	K	mm	45	50	54	54	63	63
Thread Pitch	S _{TF}	mm	3,5	3,5	4	4	4,5	4,5
Wrench size internal	SW ₂	mm	19	19	19	19	19	19
Body width	B	mm	149	149	149	149	149	149
Contact surface	E	mm	70	70	70	70	70	70
Clear height	T	mm	104	104	104	104	104	104
Clearance	W	mm	73	73	73	73	73	73
Ring cross-sectional diameter	F	mm	30	30	30	30	30	30
Socket height	J	mm	61	61	61	61	61	61
Weight approx.		kg	5,2	5,2	5,2	5,4	5,4	5,7
Reference no.			247298	247299	247300	247301	247302	247303
Maximum load weight per type of rigging								
WLL 1-leg direct 0°		t	3,5	3,5	5	5	6	6
WLL 1-leg direct 90°		t	3,5	3,5	5	5	6	6
Working load limit 2-leg with cross bar 0°		t	7	7	10	10	12	12
WLL 2-leg with cross bar 90°		t	7	7	10	10	12	12
WLL 2-leg symmetric 0°-45°		t	4,9	4,9	7	7	8,4	8,4
WLL 2-leg symmetric 45°-60°		t	3,5	3,5	5	5	6	6
WLL 2-leg asymmetric		t	3,5	3,5	5	5	6	6
Load capacity 3-/4-strand symmetrical 0°-45°		t	7,3	7,3	10,5	10,5	12,6	12,6
WLL 3-/4-leg symmetric 45°-60°		t	3,5	3,5	5	5	6	9
WLL 3-/4-leg asymmetric		t	3,5	3,5	5	5	6	6

- ▶ **MADE in EU**
- ▶ **Operating temperature:**
 -40 °C to +200 °C; **reduced working load limit outside this range**
- ▶ **Quality grade: 10**
- ▶ **WLL: 0,3 t to 12 t**
- ▶ **Thread diameter metric:**
 M 8 to M 48

Technical data

- ▶ **Standard:** DIN EN 1677-1
- ▶ **Safety factor:** 4
- ▶ **Identification mark:** Batch number
- ▶ **Certification:** H-stamp
- ▶ **Rotation:** 360° (not under load)
- ▶ **Tilting:** rigid

Options on request

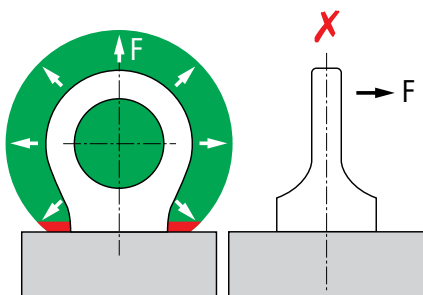
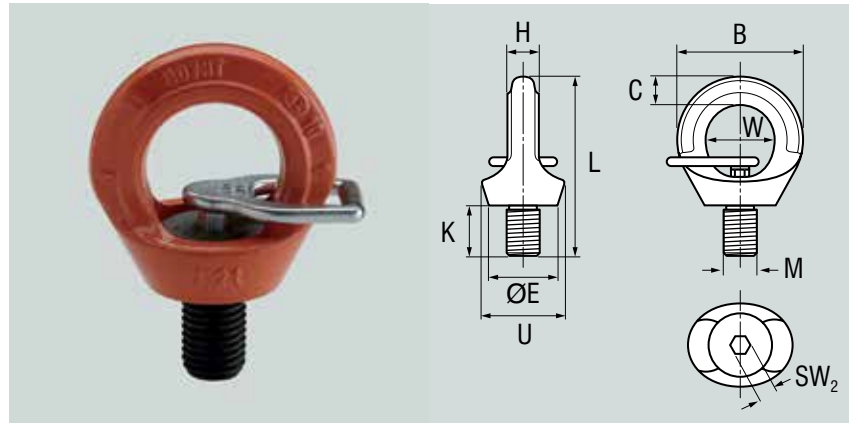
- ▶ No key; without fixed key plate; for continuous swivel actions (deviating dimensions)
- ▶ **Option thread:** with internal thread (caution: other dimensions of the load ring); with special thread length (caution: other dimensions of the load ring); with UNC thread
- ▶ **Option Identification mark:** with RFID chip; with individual serial number or marking











Safety instruction

- ▶ Observe the carrying capacity specifications in relation to the angle!

Pro eye bolt

High quality swivelling eyebolt with integrated assembly key plate for simple and rapid assembly and top price-performance ratio. Intelligent alternative to the conventional eyebolt.



WLL		kg	300	400	750	750	1500	1500	2300	2300
Thread diameter metric	M		M 8	M 10	M 12	M 14	M 16	M 18	M 20	M 22
Overall length	L	mm	58	61	73,5	73,5	88	88	104	104
Thread length	K	mm	12	15	18	18	24	24	30	30
Wrench size internal	SW ₂	mm	6	6	7	7	8	8	10	10
Body width	B	mm	47	47	55,5	55,5	64,5	64,5	74,5	74,5
Bracket width	H	mm	9	9	11,5	11,5	15,7	15,7	18	18
Bracket height	C	mm	11	11	12,5	12,5	14,5	14,5	16	16
Contact surface	E	mm	25	25	30	30	35	35	42	42
Clearance	W	mm	25	25	30	30	35	35	40	40
Socket width	U	mm	30	30	36,5	36,5	41,8	41,8	51,5	51,5
Weight approx.		kg	0,12	0,18	0,2	0,2	0,35	0,35	0,6	0,6
Reference no.			291008	291009	291010	291011	291012	291013	291014	291015
Maximum load weight per type of rigging										
WLL 1-leg direct 0°		t	1	1	2	2	4	4	6	6
WLL 1-leg direct 90°		t	0,3	0,4	0,75	0,75	1,5	1,5	2,3	2,3
Working load limit 2-leg with cross bar 0°		t	2	2	4	4	8	8	12	12
WLL 2-leg with cross bar 90°		t	0,6	0,8	1,5	1,5	3	3	4,6	4,6
WLL 2-leg symmetric 0°-45°		t	0,42	0,56	1	1	2	2	3,22	3,22
WLL 2-leg symmetric 45°-60°		t	0,3	0,4	0,75	0,75	1,5	1,5	2,3	2,3
WLL 2-leg asymmetric		t	0,3	0,4	0,75	0,75	1,5	1,5	2,3	2,3
Load capacity 3-/4-strand symmetrical 0°-45°		t	0,63	0,84	1,6	1,6	3,15	3,15	4,83	4,83
WLL 3-/4-leg symmetric 45°-60°		t	0,45	0,6	1,12	1,12	2,25	2,25	3,45	3,45
WLL 3-/4-leg asymmetric		t	0,3	0,4	0,75	0,75	1,5	1,5	2,3	2,3

WLL		kg	3200	3200	4500	4500	7000	9000	12000
Thread diameter metric	M		M 24	M 27	M 30	M 33	M 36	M 42	M 48
Overall length	L	mm	125,5	125,5	156,5	156,5	193	221	254
Thread length	K	mm	36	36	45	45	54	63	72
Wrench size internal	SW ₂	mm	12	12	17	17	22	24	27
Body width	B	mm	90	90	111	111	135	158	179
Bracket width	H	mm	22	22	28	28	32	40,5	44
Bracket height	C	mm	20,5	20,5	25,5	25,5	32	38	43
Contact surface	E	mm	50	50	66	66	75	85	100
Clearance	W	mm	49	49	60	60	74	82	95
Socket width	U	mm	58	58	73	73	96,5	110	124,5
Weight approx.		kg	1	1	2	2	3,4	5,7	8,5
Reference no.			291016	291017	291018	291019	291020	291021	291022
Maximum load weight per type of rigging									
WLL 1-leg direct 0°		t	8	8	12	12	16	24	32
WLL 1-leg direct 90°		t	3,2	3,2	4,5	4,5	7	9	12
Working load limit 2-leg with cross bar 0°		t	16	16	24	24	32	45	64
WLL 2-leg with cross bar 90°		t	6,4	6,4	9	9	14	18	24
WLL 2-leg symmetric 0°-45°		t	4,48	4,48	6,3	6,3	9,8	12,6	16,8
WLL 2-leg symmetric 45°-60°		t	3,2	3,2	4,5	4,5	7	9	12
WLL 2-leg asymmetric		t	3,2	3,2	4,5	4,5	7	9	12
Load capacity 3-/4-strand symmetrical 0°-45°		t	6,7	6,7	9,4	9,4	14,7	18,9	25,2
WLL 3-/4-leg symmetric 45°-60°		t	4,8	4,8	6,7	6,7	10,5	13,5	18
WLL 3-/4-leg asymmetric		t	3,2	3,2	4,5	4,5	7	9	12

- ▶ **Operating temperature:**
-40 °C to +200 °C; reduced working load limit outside this range
- ▶ **Quality grade: 10**
- ▶ **WLL: 0,3 t to 12 t**
- ▶ **Thread diameter metric:**
M 8 to M 48

Technical data

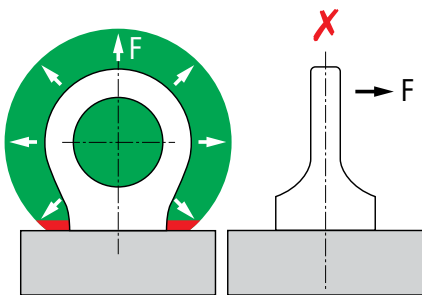
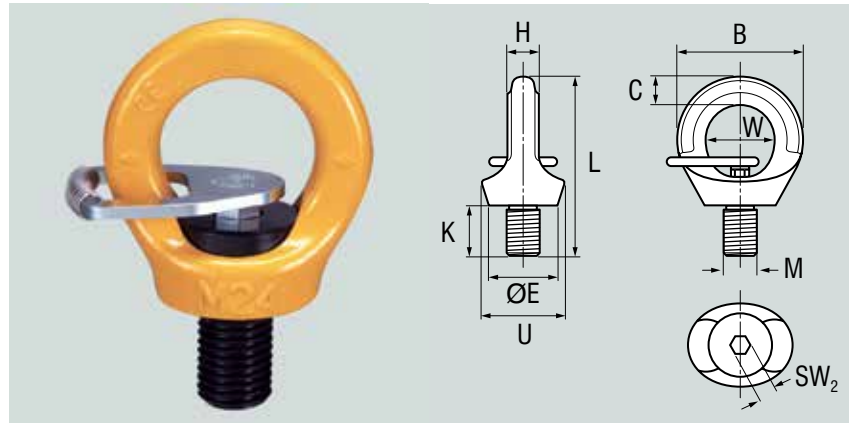
- ▶ **Standard:** DIN EN 1677-1
- ▶ **Safety factor:** 4
- ▶ **Identification mark:** Batch number
- ▶ **Rotation:** 360° (not under load)
- ▶ **Tilting:** rigid











Options on request

- ▶ without fixed key plate; up to M24 in stainless steel
- ▶ **Option thread:** with UNC thread; in further thread diameters (M56/M64)
- ▶ **Option Identification mark:** with individual serial number or marking

ERS eye bolt

Swivelling eyebolt with integrated assembly key plate for quick and easy assembly at top price.
Intelligent alternative to the conventional eyebolt.



WLL		kg	300	400	750	1500	2300	3200	4500	7000	9000	12000
Thread diameter metric	M		M 8	M 10	M 12	M 16	M 20	M 24	M 30	M 36	M 42	M 48
Overall length	L	mm	59	62	73	88	104	127	157	189	221	252
Thread length	K	mm	12	15	18	24	30	36	45	54	63	72
Wrench size internal	SW ₂	mm	6	6	8	10	12	14	17	22	24	27
Body width	B	mm	44	44	52	61	70	84	108	130	150	168
Bracket width	H	mm	8	8	10	14	16	19	24	29	34	38
Bracket height	C	mm	11	11	13	13	17	21	26	32	38	43
Contact surface	E	mm	25	25	33	35	44	52	62	78	88	104
Clearance	W	mm	25	25	30	35	40	48	60	72	82	94
Weight approx.		kg	0,1	0,14	0,2	0,3	0,6	1	1,8	3,2	5	7,6
Reference no.			266812	266813	266814	266815	266816	266817	266818	266819	266820	266821
Maximum load weight per type of rigging												
WLL 1-leg direct 0°		t	1	1	2	4	6	8	12	16	24	32
WLL 1-leg direct 90°		t	0,3	0,4	0,75	1,5	2,3	3,2	4,5	7	9	12
Working load limit 2-leg with cross bar 0°		t	2	2	4	8	12	16	24	32	48	64
WLL 2-leg with cross bar 90°		t	0,6	0,8	1,5	3	4,6	6,4	9	14	18	24
WLL 2-leg symmetric 0°-45°		t	0,42	0,56	1,05	2,1	3,22	4,48	6,3	9,8	12,6	16,8
WLL 2-leg symmetric 45°-60°		t	0,3	0,4	0,75	1,5	2,3	3,2	4,5	7	9	12
WLL 2-leg asymmetric		t	0,3	0,4	0,75	1,5	2,3	3,2	4,5	7	9	12
Load capacity 3-/4-strand symmetrical 0°-45°		t	0,63	0,84	1,58	3,15	4,83	6,72	9,45	14,7	18,9	25,2
WLL 3-/4-leg symmetric 45°-60°		t	0,45	0,6	1,13	2,25	3,45	4,8	6,75	10,5	13,5	18
WLL 3-/4-leg asymmetric		t	0,3	0,4	0,75	1,5	2,3	3,2	4,5	7	9	12

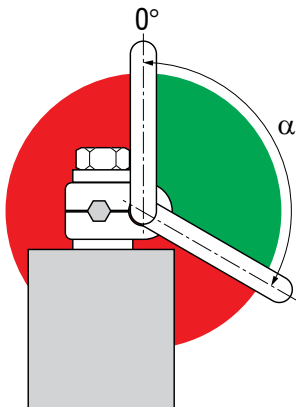
- ▶ **MADE in EU**
- ▶ **Operating temperature:**
-40 °C to +200 °C; reduced working
load limit outside this range
- ▶ **Quality grade: 10**
- ▶ **Load angle: 0°-120°**
- ▶ **WLL: 0,3 t to 20 t**
- ▶ **Thread diameter metric:**
M 8 to M 48

Technical data

- ▶ **Standard:** DIN EN 1677-1
- ▶ **Safety factor:** 4
- ▶ **Identification mark:** Batch number
- ▶ **Certification:** H-stamp
- ▶ **Rotation:** 360° (not under load)
- ▶ **Tilting:** 180°

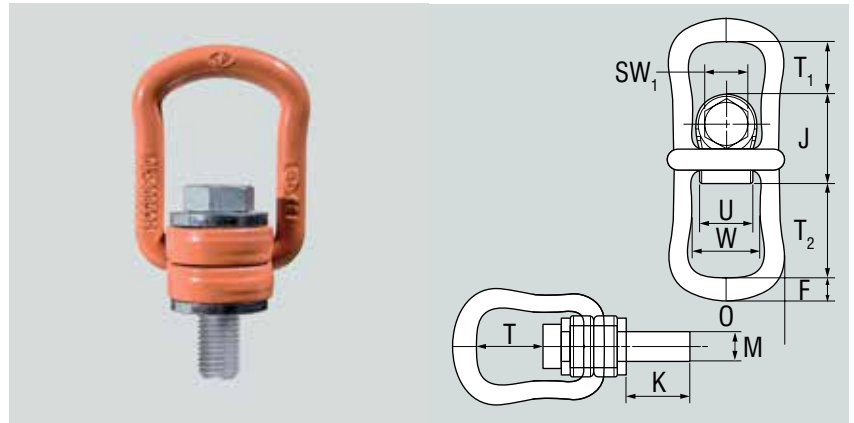
Options on request









- ▶ **Option thread:** Variable thread lengths;
with UNC thread
- ▶ **Option identification mark:** with RFID chip;
with individual serial number or marking













Pro attachment eye thread

High quality swivelling attachment eye thread with large stirrup, optimally suited for lateral attachment and top price-performance ratio.



WLL		kg	300	630	1000	1500	2500	4000	4000
Thread diameter metric	M		M 8	M 10	M 12	M 16	M 20	M 24	M 27
Thread length	K	mm	15	15	23	24	31	37	37
Wrench size external	SW ₁	mm	13	17	19	24	30	36	41
Body width	B	mm	57	57	66	66	87	87	109
Clear height	T	mm	43	42	40	38	54	51	64
Clearance	W	mm	34	34	38	38	55	55	66
Ring cross-sectional diameter	F	mm	10	10	13,5	13,5	16	16	22,5
Socket width	U	mm	24	24	30	30	48	48	54
Socket height	J	mm	41	41	50	50	68	68	91
Clearance socket stirrup	T ₁	mm	35	35	28	28	36	36	47
Clearance socket stirrup	T ₂	mm	51	51	52	52	71	71	86
Weight approx.		kg	0,275	0,29	0,5	0,51	1,25	1,3	3,15
Reference no.			232400	232401	232402	232403	232404	232405	232406
Maximum load weight per type of rigging									
WLL 1-leg direct 0°		t	0,3	0,63	1	1,5	2,5	4	4
WLL 1-leg direct 90°		t	0,3	0,63	1	1,5	2,5	4	4
Working load limit 2-leg with cross bar 0°		t	0,6	1,26	2	3	5	8	8
WLL 2-leg with cross bar 90°		t	0,6	1,2	2	3	5	8	8
WLL 2-leg symmetric 0°-45°		t	0,42	0,88	1,4	2,1	3,5	5,6	5,6
WLL 2-leg symmetric 45°-60°		t	0,3	0,63	1	1,5	2,5	4	4
WLL 2-leg asymmetric		t	0,3	0,63	1	1,5	2,5	4	4
Load capacity 3-/4-strand symmetrical 0°-45°		t	0,63	1,32	2,1	3,15	5,25	8,4	8,4
WLL 3-/4-leg symmetric 45°-60°		t	0,45	0,95	1,5	2,25	3,75	6	6
WLL 3-/4-leg asymmetric		t	0,3	0,63	1	1,5	2,5	4	4

WLL		kg	5000	7000	8000	10000	15000	20000
Thread diameter metric	M		M 30	M 36	M 36	M 42	M 42	M 48
Thread length	K	mm	45	50	59	75	63	71
Wrench size external	SW ₁	mm	46	55	55	65	65	75
Body width	B	mm	109	109	136	136	169	169
Clear height	T	mm	62	60	88	86	121	117
Clearance	W	mm	66	66	78	78	97	97
Ring cross-sectional diameter	F	mm	22,5	22,5	28	28	36	36
Socket width	U	mm	54	54	62	62	68	68
Socket height	J	mm	91	91	108	108	131	131
Clearance socket stirrup	T ₁	mm	47	43	74	70	97	93
Clearance socket stirrup	T ₂	mm	86	86	115	115	151	151
Weight approx.		kg	3,25	3,3	5,9	6,5	11,2	11,6
Reference no.			232407	283927	232408	283928	232409	232410
Maximum load weight per type of rigging								
WLL 1-leg direct 0°		t	5	7	8	10	15	20
WLL 1-leg direct 90°		t	5	7	8	10	15	20
Working load limit 2-leg with cross bar 0°		t	10	14	16	20	30	40
WLL 2-leg with cross bar 90°		t	10	14	16	20	30	40
WLL 2-leg symmetric 0°-45°		t	7	9,8	11,2	14	21	28
WLL 2-leg symmetric 45°-60°		t	5	7	8	10	15	20
WLL 2-leg asymmetric		t	5	7	8	10	15	20
Load capacity 3-/4-strand symmetrical 0°-45°		t	10,5	14,7	16,8	21	31,5	42
WLL 3-/4-leg symmetric 45°-60°		t	7,5	10,4	12	15	22,5	30
WLL 3-/4-leg asymmetric		t	5	7	8	10	15	20

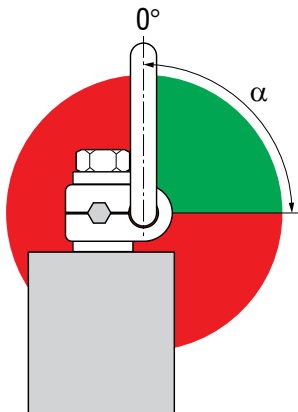
- ▶ **Operating temperature:**
 -40 °C to +200 °C; reduced working
 load limit outside this range
- ▶ **Quality grade: 10**
- ▶ **Load angle: 0°-90°**
- ▶ **WLL: 0,3 t to 20 t**
- ▶ **Thread diameter metric:**
 M 8 to M 48

Technical data

- ▶ **Standard:** DIN EN 1677-1
- ▶ **Safety factor:** 4
- ▶ **Identification mark:** Batch number
- ▶ **Certification:** H-stamp
- ▶ **Rotation:** 360° (not under load)
- ▶ **Tilting:** 180°

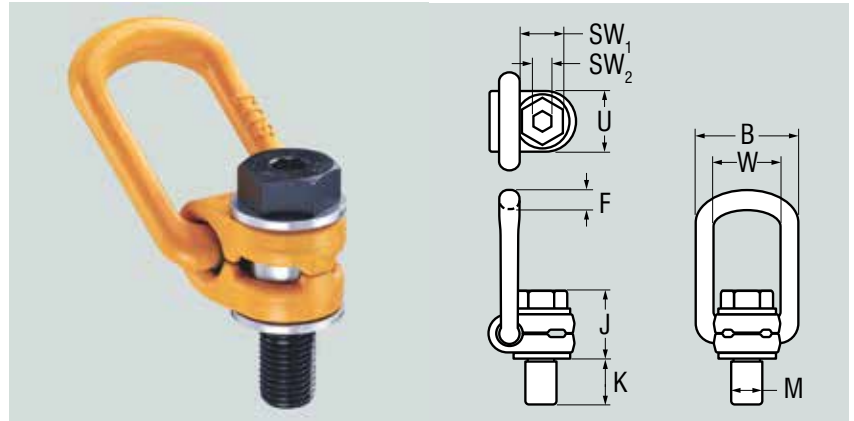
Options on request

- ▶ **Option thread:** Variable thread lengths;
 with UNC thread; in further thread diameters
 (M56/M64)
- ▶ **Option Identification mark:** with individual
 serial number or marking



LBP attachment eye thread

Swivelling attachment eye thread, optimally suited for lateral attachment at top price.



WLL		kg	300	630	1000	1200	1500	2000	2500	4000
Thread diameter metric	M		M 8	M 10	M 12	M 14	M 16	M 18	M 20	M 24
Thread length	K	mm	11	16	18	21	24	26	30	36
Wrench size external	SW ₁	mm	13	17	19	22	24	30	30	36
Wrench size internal	SW ₂	mm	6	6	8	10	10	12	12	14
Body width	B	mm	55	55	57	57	57	82	82	82
Clear height	T	mm	40	39	40	39	38	66	66	64
Clearance	W	mm	35	35	37	37	37	54	54	54
Ring cross-sectional diameter	F	mm	10	10	14	14	14	17	17	17
Socket width	U	mm	30	30	33	33	33	50	50	50
Socket height	J	mm	35	36	44	45	46	57	57	59
Weight approx.		kg	0,2	0,3	0,5	0,5	0,5	1,3	1,3	1,4
Reference no.			259900	259901	259902	260337	259903	260338	259904	259905
Maximum load weight per type of rigging										
WLL 1-leg direct 0°		t	0,3	0,63	1	1,2	1,5	2	2,5	4
WLL 1-leg direct 90°		t	0,3	0,63	1	1,2	1,5	2	2,5	4
Working load limit 2-leg with cross bar 0°		t	0,6	1,26	2	2,4	3	4	5	8
WLL 2-leg with cross bar 90°		t	0,6	1,26	2	2,4	3	4	5	8
WLL 2-leg symmetric 0°-45°		t	0,42	0,88	1,4	1,7	2,1	2,8	3,5	5,6
WLL 2-leg symmetric 45°-60°		t	0,3	0,63	1	1,2	1,5	2	2,5	4
WLL 2-leg asymmetric		t	0,3	0,63	1	1,2	1,5	2	2,5	4
Load capacity 3-/4-strand symmetrical 0°-45°		t	0,63	1,32	2,1	2,5	3,1	4,2	5,2	8,4
WLL 3-/4-leg symmetric 45°-60°		t	0,45	0,95	1,5	1,8	2,2	3	3,7	6
WLL 3-/4-leg asymmetric		t	0,3	0,63	1	1,2	1,5	2	2,5	4

WLL		kg	4000	5000	7000	8000	10000	15000	20000
Thread diameter metric	M		M 27	M 30	M 36	M 36	M 42	M 42	M 48
Thread length	K	mm	38	48	54	62	72	63	72
Wrench size external	SW ₁	mm	41	46	55	55	65	65	75
Wrench size internal	SW ₂	mm	17	17	22	22	24	24	27
Body width	B	mm	99	99	99	124	124	158	158
Clear height	T	mm	68	66	67	97	94	108	103
Clearance	W	mm	65	65	65	85	85	104	104
Ring cross-sectional diameter	F	mm	23	23	23	27	27	36	36
Socket width	U	mm	60	60	60	77	77	95	95
Socket height	J	mm	79	81	88	101	104	112	120
Weight approx.		kg	2,8	3,1	3,3	5,8	6,3	10,8	11,6
Reference no.			259906	259907	259908	259909	259910	259911	259912
Maximum load weight per type of rigging									
WLL 1-leg direct 0°		t	4	5	7	8	10	15	20
WLL 1-leg direct 90°		t	4	5	7	8	10	15	20
Working load limit 2-leg with cross bar 0°		t	8	10	14	16	20	30	40
WLL 2-leg with cross bar 90°		t	8	10	14	16	20	30	40
WLL 2-leg symmetric 0°-45°		t	5,6	7	9,8	11,2	14	21	28
WLL 2-leg symmetric 45°-60°		t	4	5	7	8	10	15	20
WLL 2-leg asymmetric		t	4	5	7	8	10	15	20
Load capacity 3-/4-strand symmetrical 0°-45°		t	8,4	10,5	14,7	16,8	21	31,5	42
WLL 3-/4-leg symmetric 45°-60°		t	6	7,5	10,5	12	15	22,5	30
WLL 3-/4-leg asymmetric		t	4	5	7	8	10	15	20

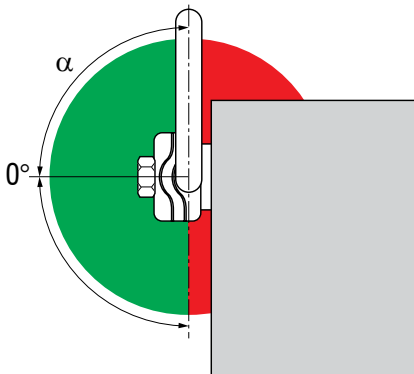
- ▶ **Operating temperature:**
-40 °C to +200 °C; reduced working load limit outside this range
- ▶ **Quality grade: 10**
- ▶ **Load angle: +/-90°**
- ▶ **WLL: 0,4 t to 16 t**
- ▶ **Thread diameter metric:**
M 8 to M 48

Technical data

- ▶ **Standard:** DIN EN 1677-1
- ▶ **Safety factor:** 4
- ▶ **Identification mark:** Batch number
- ▶ **Rotation:** 360° (not under load)
- ▶ **Tilting:** 180°

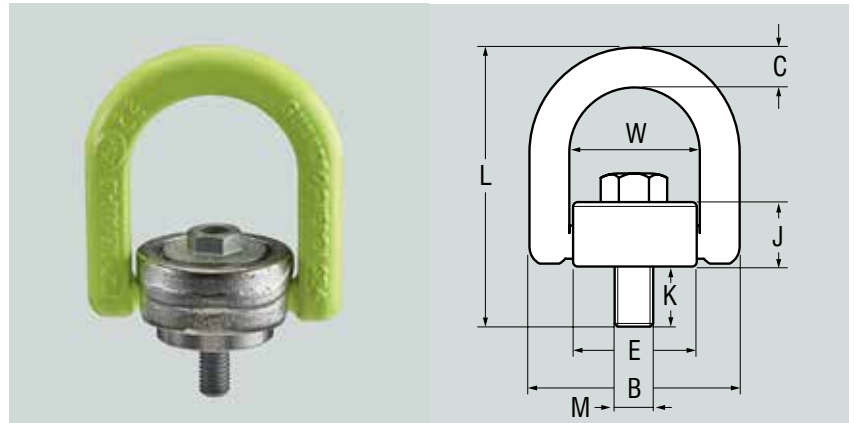
Options on request










- ▶ **Option thread:** Variable thread lengths; with UNC thread
- ▶ **Option Identification mark:** with individual serial number or marking



APO attachment point

Swivelling attachment point with tool-less detachable stirrup for easy suspension of rings or other sling gear. Intelligent alternative to the conventional eyebolt.



WLL		kg	400	700	1200	2000	2800	4600	6000	8000	14000	16000
Thread diameter metric	M		M 8	M 10	M 12	M 16	M 20	M 24	M 30	M 36	M 42	M 48
Overall length	L	mm	90	90	132	132	174	174	227,5	239	290,9	300,9
Thread length	K	mm	16	16	25	25	36	36	58	58	81	81
Body width	B	mm	64	64	91	91	133	133	182	182	229	229
Bracket height	C	mm	12	12	19	19	28	28	34	34	40,4	40,4
Contact surface	E	mm	40	40	54	54	80	80	114	114	149	149
Clear height	T	mm	35	35	46	46	55	55	70	70	91	91
Clearance	W	mm	42	42	57	57	83	83	114	114	149	149
Socket height	J	mm	27	27	42	42	55	55	56	56	70	70
Weight approx.		kg	0,3	0,3	0,96	1,02	2,9	2,9	7	7,3	14	14,5
Reference no.			166194	166195	166196	166197	166198	166199	200053	200054	217120	217121
Maximum load weight per type of rigging												
WLL 1-leg direct 0°		t	0,8	1,2	2	3,2	5,6	8	12	14	16	20
WLL 1-leg direct 90°		t	0,4	0,7	1,2	2	2,8	4,6	6	8	14	16
Working load limit 2-leg with cross bar 0°		t	1,6	2,4	4	6,4	11,2	16	24	28	32	40
WLL 2-leg with cross bar 90°		t	0,8	1,4	2,4	4	5,6	9,2	12	16	28	32
WLL 2-leg symmetric 0°-45°		t	0,5	0,9	1,6	2,8	3,9	6,4	8,4	11,2	19,6	22,4
WLL 2-leg symmetric 45°-60°		t	0,4	0,7	1,2	2	2,8	4,6	6	8	14	16
WLL 2-leg asymmetric		t	0,4	0,7	1,2	2	2,8	4,6	6	8	14	16
Load capacity 3-/4-strand symmetrical 0°-45°		t	0,8	1,4	2,5	4,2	5,8	9,6	12,6	16,8	29,4	33,6
WLL 3-/4-leg symmetric 45°-60°		t	0,6	1	1,8	3	4,2	6,9	9	12	21	24
WLL 3-/4-leg asymmetric		t	0,4	0,7	1,2	2	2,8	4,6	6	8	14	16

- ▶ **Operating temperature:**
-40 °C to +200 °C; reduced working load limit outside this range
- ▶ **Quality grade: 8**
- ▶ **Load angle: +/-45°**
- ▶ **WLL: 0,4 t to 12 t**
- ▶ **Thread diameter metric:**
M 6 to M 30

Technical data

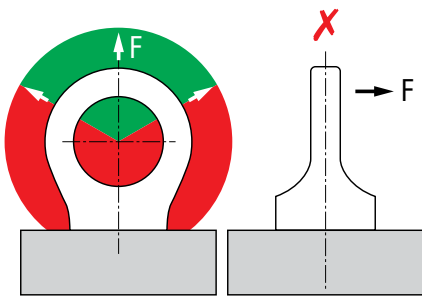
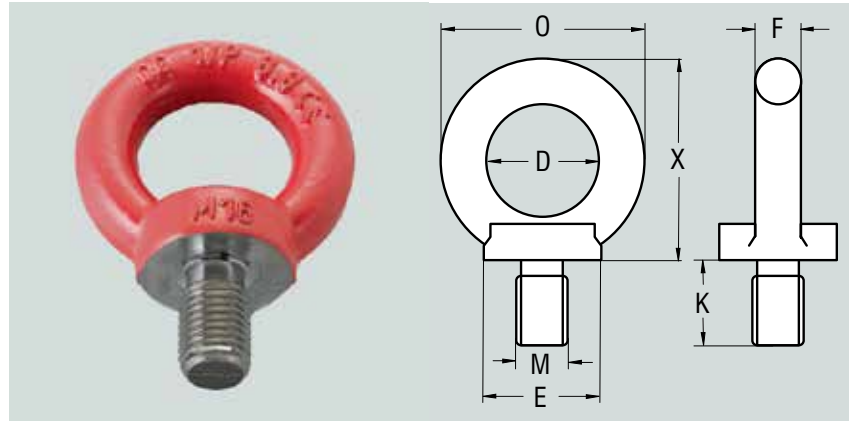
- ▶ **Standard:** DIN EN 1677-1
- ▶ **Safety factor:** 4
- ▶ **Identification mark:** Batch number
- ▶ **Rotation:** rigid
- ▶ **Tilting:** rigid

Options on request

- ▶ with fixable eye nut for alignment
- ▶ **Option Identification mark:** with individual serial number or marking

Rigid eye bolt, 8.8

Extremely cost-effective rigid eye bolt for single-leg attachment. Multi-leg attachment not recommended.



WLL		kg	400	800	1000	1600	3000	4000	5000	6000	8000	10000	12000
Thread diameter metric	M		M 6	M 8	M 10	M 12	M 14	M 16	M 18	M 20	M 24	M 27	M 30
Thread length	K	mm	13	13	17	21	21	27	27	30	36	45	45
Body height	X	mm	45	45	45	62	62	62	90	90	90	109	109
Contact surface	E	mm	25	25	25	35	35	35	50	50	50	65	65
Ring cross-sectional diameter	F	mm	10	10	10	14	14	14	20	20	20	24	24
Ring diameter external	O	mm	45	45	45	63	63	63	90	90	90	108	108
Ring diameter internal	D	mm	25	25	25	35	35	35	50	50	50	60	60
Weight approx.		kg	0,09	0,09	0,11	0,27	0,29	0,31	0,84	0,86	0,9	1,66	1,62
Reference no.			201658	201659	201660	201661	201662	201663	201664	201665	201666	201667	201668

Maximum load weight per type of rigging

WLL 1-leg direct 0°		t	0,4	0,8	1	1,6	3	4	5	6	8	10	12
Working load limit 2-leg with cross bar 0°		t	0,8	1,6	2	3,2	6	8	10	12	16	20	24
WLL 2-leg symmetric 0°-45°		t	0,14	0,28	0,35	0,56	1	1,4	1,8	2,1	2,8	3,5	4,2
WLL 2-leg symmetric 45°-60°		t	0,1	0,2	0,25	0,4	0,75	1	1,25	1,5	2	2,5	3

- ▶ **Operating temperature:**
 -20 °C to +200 °C; reduced working
 load limit outside this range
- ▶ **Quality grade: 10**
- ▶ **Load angle: +/-90°**
- ▶ **WLL: 1,5 t to 16 t**

Technical data

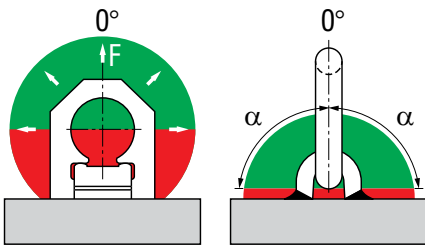
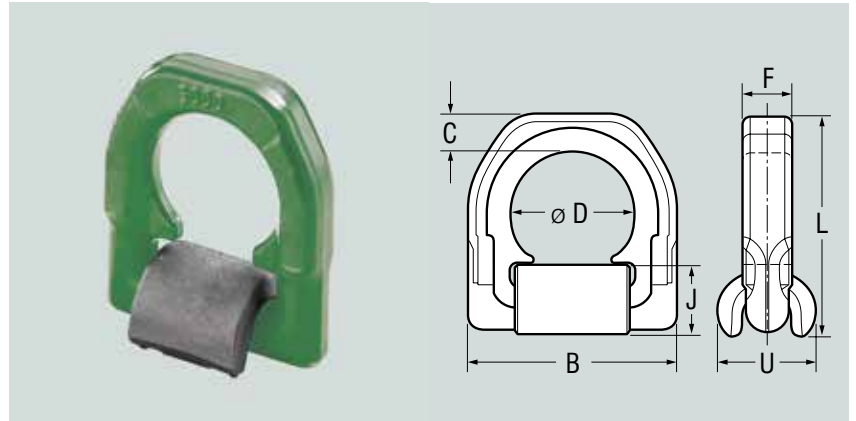
- ▶ **Standard:** DIN EN 1677-1
- ▶ **Safety factor:** 4
- ▶ **Identification mark:** Batch number
- ▶ **Rotation:** rigid
- ▶ **Tilting:** 180°











Options on request

- ▶ with spring for locking the load ring
- ▶ **Option Identification mark:** with individual
 serial number or marking

G10 weld-on eye

Weldable attachment eye with a fixed base.



WLL		kg	1500	2500	4000	6700	10000	16000
Overall length	L	mm	79	91	102	141	153	216
Body width	B	mm	66	77	87	115	129	192
Bracket height	C	mm	14	16	18	24	27	41
Ring cross-sectional diameter	F	mm	14	16	18	24	27	41
Ring diameter internal	D	mm	38	45	51	67,3	67	100
Socket width	U	mm	32	36	43	63,3	75,5	94
Socket height	J	mm	25	27	32	44	52	69
Weight approx.		kg	0,4	0,6	0,9	2,3	3,18	6,9
Reference no.			255593	255594	255595	255596	255597	255598
Maximum load weight per type of rigging								
WLL 1-leg direct 0°		t	1,5	2,5	4	6,7	10	16
WLL 1-leg direct 90°		t	1,5	2,5	4	6,7	10	16
Working load limit 2-leg with cross bar 0°		t	3	5	8	13,4	20	32
WLL 2-leg with cross bar 90°		t	3	5	8	13,4	20	32
WLL 2-leg symmetric 0°-45°		t	2,1	3,5	5,6	9,5	14	22,4
WLL 2-leg symmetric 45°-60°		t	1,5	2,5	4	6,7	10	16
WLL 2-leg asymmetric		t	1,5	2,5	4	6,7	10	16
Load capacity 3-/4-strand symmetrical 0°-45°		t	3,15	5,25	8,4	14	21	33,6
WLL 3-/4-leg symmetric 45°-60°		t	2,25	3,75	6	10	15	24
WLL 3-/4-leg asymmetric		t	1,5	2,5	4	6,7	10	16

- ▶ **Operating temperature:**
-20 °C to +200 °C; reduced working load limit outside this range
- ▶ **Quality grade: 10**
- ▶ **Load angle: +/-90°**
- ▶ **WLL: 0,4 t to 16 t**

Technical data

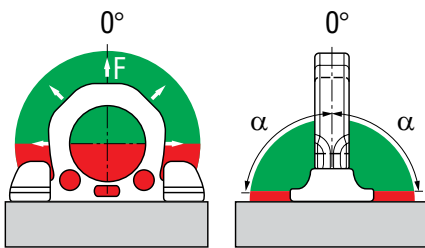
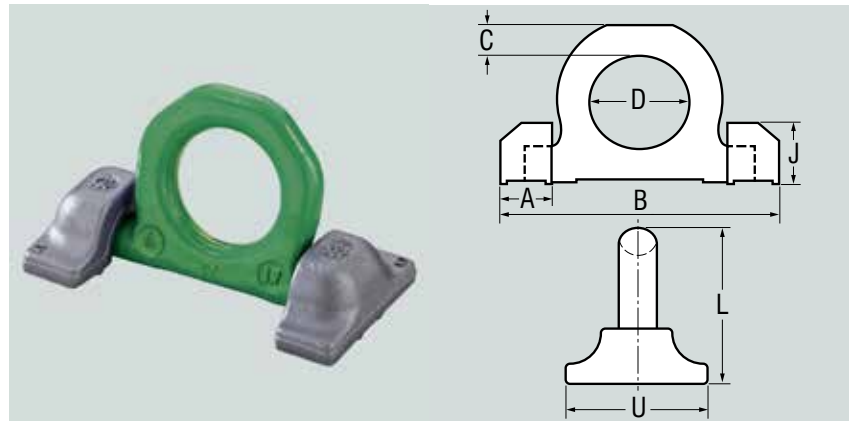
- ▶ **Standard:** DIN EN 1677-1
- ▶ **Safety factor:** 4
- ▶ **Identification mark:** Batch number
- ▶ **Rotation:** rigid
- ▶ **Tilting:** 180°











Options on request

- ▶ with single load ring
- ▶ **Option Identification mark:** with individual serial number or marking

Weldable hoist ring G10

Weldable hoist ring with two fixed bases, lowline version.



WLL		kg	4000	6700	10000	16000
Overall length	L	mm	79	104	114,25	153,35
Body width	B	mm	125,5	170,2	198	258
Bracket height	C	mm	14	20	22	30
Ring diameter internal	D	mm	48	60	64	90
Socket length	A	mm	26	37	46,7	57
Socket width	U	mm	63	88	100,3	131
Socket height	J	mm	30	40	46	57
Weight approx.		kg	0,8	1,8	3	5,8
Reference no.			255600	255601	255602	255603
Maximum load weight per type of rigging						
WLL 1-leg direct 0°		t	4	6,7	10	16
WLL 1-leg direct 90°		t	4	6,7	10	16
Working load limit 2-leg with cross bar 0°		t	8	13,4	20	32
WLL 2-leg with cross bar 90°		t	8	13,4	20	32
WLL 2-leg symmetric 0°-45°		t	5,6	9,5	14	22,4
WLL 2-leg symmetric 45°-60°		t	4	6,7	10	16
WLL 2-leg asymmetric		t	4	6,7	10	16
Load capacity 3-/4-strand symmetrical 0°-45°		t	8,4	14	21	33,6
WLL 3-/4-leg symmetric 45°-60°		t	6	10,1	15	24
WLL 3-/4-leg asymmetric		t	4	6,7	10	16

- ▶ **Operating temperature:**
 -20 °C to +200 °C; reduced working load limit outside this range
- ▶ **Quality grade: 10**
- ▶ **Load angle: +/-90°**
- ▶ **WLL: 0,4 t to 16 t**

Technical data

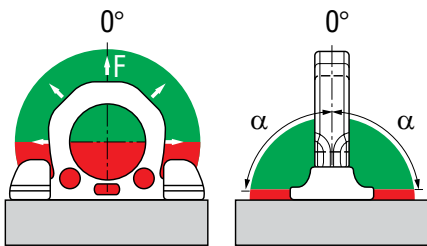
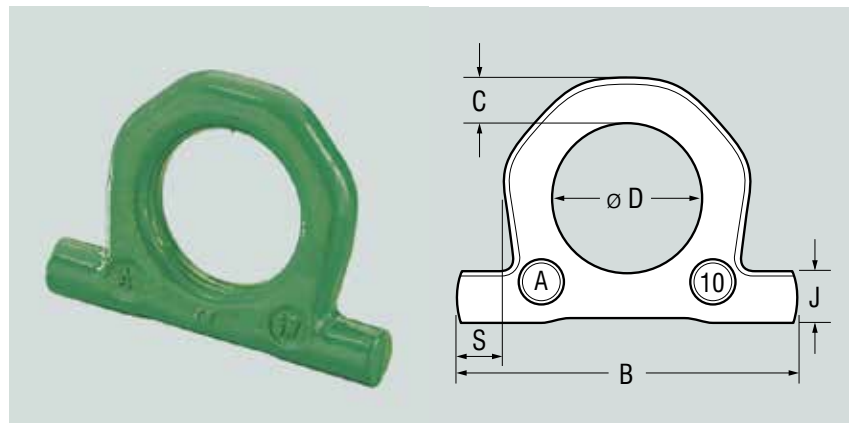
- ▶ **Standard:** DIN EN 1677-1
- ▶ **Safety factor:** 4
- ▶ **Identification mark:** Batch number
- ▶ **Rotation:** rigid
- ▶ **Tilting:** 180°

Options on request

- ▶ **Option Identification mark:** with individual serial number or marking

Load ring for hoist ring

Individual load ring for installation in existing constructions.



WLL		kg	4000	6700	10000	16000
Body width	B	mm	105	138	153	205
Bracket height	C	mm	14	20	22	30
Ring diameter internal	D	mm	48	60	64	90
Socket height	J	mm	16	22	27,5	35
Insertion depth	S	mm	16	20	25	30,5
Weight approx.		kg	0,5	1	1,6	3,6
Reference no.			255604	255605	255606	255607
Maximum load weight per type of rigging						

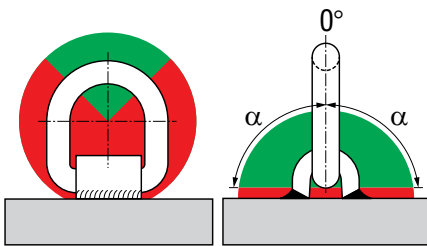
- ▶ **Operating temperature:**
-20 °C to +200 °C; reduced working load limit outside this range
- ▶ **Quality grade:** 8
- ▶ **Load angle:** +/-45°
- ▶ **WLL:** 1,12 t to 37,5 t

Technical data

- ▶ **Standard:** DIN EN 1677-1
- ▶ **Safety factor:** 4
- ▶ **Identification mark:** Batch number
- ▶ **Rotation:** rigid
- ▶ **Tilting:** 180°

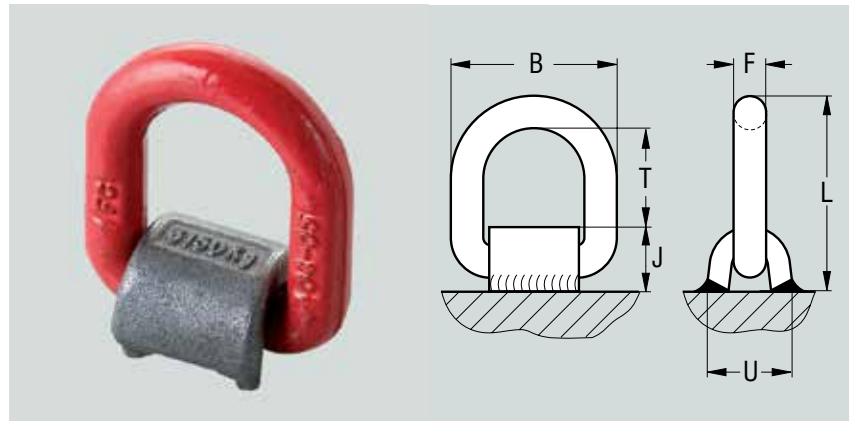
Options on request











- ▶ with spring for locking the load ring;
For use on edges
- ▶ **Option Identification mark:** with individual serial number or marking



Weld-on eye

Weldable attachment eye for maximum working load limit.



WLL		kg	1120	2000	3150	5300	8000	15000	37500
Overall length	L	mm	83	92	101	126	146	195	327
Body width	B	mm	66	70	79	99	122	165	274
Clear height	T	mm	37	48	48	56	66	92	175
Ring cross-sectional diameter	F	mm	13	14	17	23	26	34	52
Socket length	A	mm	37	40	43	50	65	90	140
Socket width	U	mm	38	40	42	60	70	90	135
Socket height	J	mm	29	30	36	47	54	69	100
Weight approx.		kg	0,38	0,46	0,69	1,42	2,67	5,9	22
Reference no.			146454	146455	120637	120638	120639	120640	255644
Maximum load weight per type of rigging									
WLL 1-leg direct 0°		t	1,12	2	3,15	5,3	8	15	37,5
WLL 1-leg direct 90°		t	1,12	2	3,15	5,3	8	15	37,5
Working load limit 2-leg with cross bar 0°		t	2,24	4	6,3	10,6	16	30	75
WLL 2-leg with cross bar 90°		t	2,24	4	6,3	10,6	16	30	75
WLL 2-leg symmetric 0°-45°		t	1,5	2,8	4,25	7,1	11,2	21,2	52
WLL 2-leg symmetric 45°-60°		t	1,12	2	3,15	5,3	8	15	37,5
WLL 2-leg asymmetric		t	1,12	2	3,15	5,3	8	15	37,5
Load capacity 3-/4-strand symmetrical 0°-45°		t	2,36	4	6,3	11,2	16	31,5	75
WLL 3-/4-leg symmetric 45°-60°		t	1,6	3	4,75	8	12	22,4	56
WLL 3-/4-leg asymmetric		t	1,12	2	3,15	5,3	8	15	37,5

- ▶ **Operating temperature:**
-40 °C to +200 °C; reduced working load limit outside this range
- ▶ **Quality grade:** 8
- ▶ **Load angle:** +/-45°
- ▶ **WLL:** 1,12 t to 25 t

Technical data

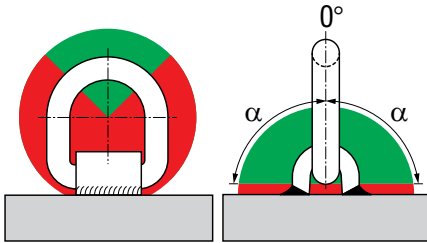
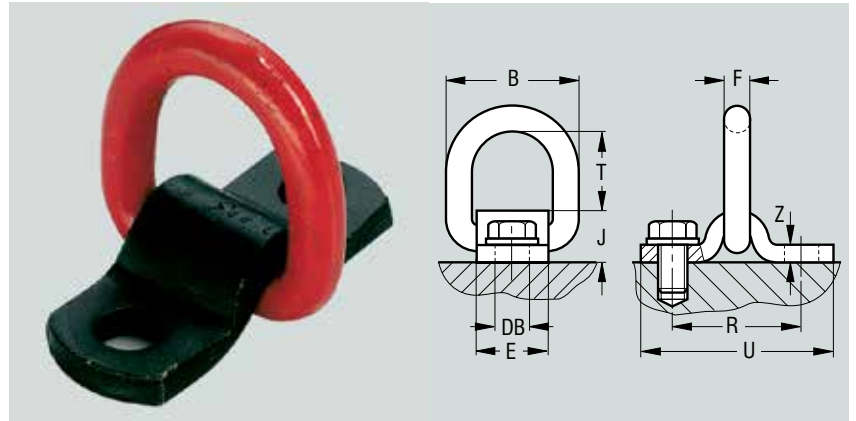
- ▶ **Standard:** DIN EN 1677-1
- ▶ **Safety factor:** 4
- ▶ **Identification mark:** Batch number
- ▶ **Rotation:** rigid
- ▶ **Tilting:** 180°











Options on request

- ▶ **Option Identification mark:** with individual serial number or marking

Bolt-on eye

Screw-on attachment eye for easy assembly with hexagonal bolts.



WLL		kg	1120	3150	5300	8000	15000	20000	25000
Body width	B	mm	66,2	78,7	98,5	122,5	139	180	180
Contact surface	E	mm	36	40	50	64	72	90	90
Clear height	T	mm	35,7	42,8	50,8	59,1	110	140	140
Ring cross-sectional diameter	F	mm	13	17	22	26	32	40	40
Socket width	U	mm	104	130	160	190	255	295	295
Socket height	J	mm	29,8	37,2	45,2	56,6	90	116	116
Socket Thickness	Z	mm	12	12,6	16,4	27	40	50	50
Drill hole diameter	DB	mm	15	21	25	28	39	45	45
Drill hole distance	R	mm	72	90	110	130	175	200	200
Weight approx.		kg	0,5	0,92	1,84	3,92	7,4	15,1	15,1
Reference no.			263500	120641	120642	120643	201655	201656	201657
Maximum load weight per type of rigging									
WLL 1-leg direct 0°		t	1,12	4,75	8	12	15	20	25
WLL 1-leg direct 90°		t	1,12	3,15	5,3	8	15	20	25
Working load limit 2-leg with cross bar 0°		t	2,24	9,5	16	24	30	40	50
WLL 2-leg with cross bar 90°		t	2,24	6,3	10,6	16	30	40	50
WLL 2-leg symmetric 0°-45°		t	1,6	4,25	7,1	11,2	21	28	35
WLL 2-leg symmetric 45°-60°		t	1,12	3,15	5,3	8	15	20	25
WLL 2-leg asymmetric		t	1,12	3,15	5,3	8	15	20	25
Load capacity 3-/4-strand symmetrical 0°-45°		t	2,36	6,3	11,2	16	31,5	42	52,5
WLL 3-/4-leg symmetric 45°-60°		t	1,7	4,75	8	12	22,5	30	37,5
WLL 3-/4-leg asymmetric		t	1,12	3,15	5,3	8	15	20	25

Bolts are not included in the scope of supply!
Observe the requirements for bolts in accordance with the operating instructions.

- ▶ **Operating temperature:**
-20 °C to +200 °C; reduced working load limit outside this range
- ▶ **WLL: 1,12 t to 10 t**

Technical data

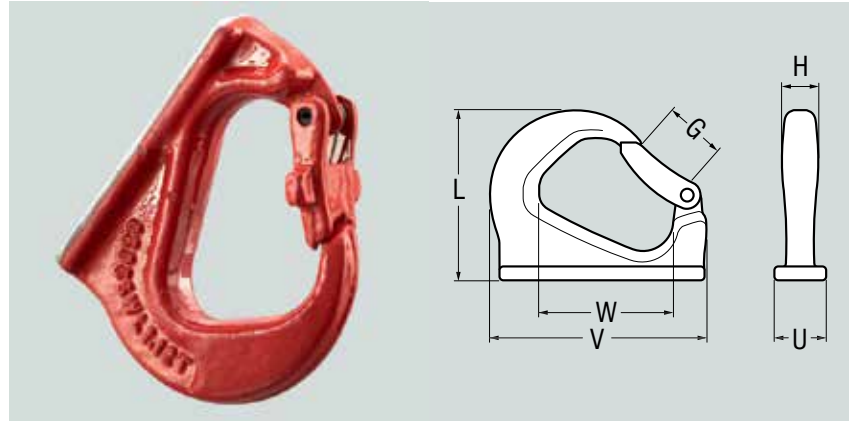
- ▶ **Standard:** DIN EN 1677-1
- ▶ **Safety factor:** 4
- ▶ **Identification mark:** Batch number

Options on request

- ▶ with individual serial number or marking
- ▶ **Option Identification mark:** with individual serial number or marking

Weld-on hook

Excavators and working machines equipped with weld-on hooks provide practical assistance for the fast relocation of loads on any building site.



WLL		kg	1120	2000	3000	5000	8000	10000
Overall length	L	mm	76	92	106	130	135	171,5
Body length	V	mm	97	114	129	171	177	223
Bracket width	H	mm	20	22	24	30	39	39
Clearance	W	mm	59,5	65	75	92	98	134,5
Socket width	U	mm	25	34	36	45	51	53
Hook opening width	G	mm	25	26,5	29	34,5	34,5	51
Weight approx.		kg	0,48	0,85	1,12	2,5	3,2	5,2
Reference no.			215923	215924	215925	215926	215927	215928

Chain slings

Chain slings are particularly robust attachment devices that can easily be shortened and flexibly adapted. Our range according to EN 818 and the Machinery Directive 2006/42/EC includes a very wide modular system for a wide variety of requirements in professional attachment equipment.

Selection aid: Which chain is the right one for my application?

	Quality grade 8	Quality grade 10	Quality grade 12	Textile chain sling
Advantages	Inexpensive entry level	Versatile and individual due to a large selection of add-on fixtures	Maximum efficiency in handling and performance	Combines the positive properties of chain slings and textile attachment devices <ul style="list-style-type: none"> • Safe and ergonomic – up to 8 times lighter than a comparable steel chain • Flexible in use by shortening • Reduced risk of load damage • Extremely abrasion-resistant • Noise-reducing • UV-resistant, resistant to most chemicals and dirt, non-conductive
Coating	Painted	Cathodic EPD <ul style="list-style-type: none"> • Higher corrosion and UV-resistance • Higher adhesive (no annoying abrasion or flaking) • Ideally suited for crack testing (fluxing) due to lower layer thickness 	Cathodic EPD <ul style="list-style-type: none"> • Higher corrosion and UV-resistance • Higher adhesive (no annoying abrasion or flaking) • Ideally suited for crack testing (fluxing) due to lower layer thickness 	Non-corrosive, made from high-strength Dyneema® fibres
Documentation/quality	<ul style="list-style-type: none"> • Traceability via batch code • TOP quality 	<ul style="list-style-type: none"> • Traceability via batch code • TOP quality *Made in Europe* 	<ul style="list-style-type: none"> • Traceability via batch code • TOP quality *Made in Europe* 	<ul style="list-style-type: none"> • Traceability via batch code • TOP quality *Made in Europe*
Working load limit with the same nominal chain thickness (e.g. 2-leg suspension gear up to 45°)				
Reduction of the nominal chain thickness with the same working load limit (e.g. 2-leg suspension gear up to 45°)	4250 kg: 10 mm 7100 kg: 13 mm 11200 kg: 16 mm	10 mm (WLL 5600 kg) 13 mm (WLL 9500 kg) 16 mm (WLL 14000 kg)	8 mm 10 mm 13 mm	
Weight with the same working load limit (e.g. 2-leg suspension gear up to 45°, nominal length 4 m)				
Page	240	132	80	260

* Depending on the number of legs, nominal chain thickness and length

Chain sling accessories

























We also test and carefully select the accessories.



These include S-hooks, swivels and the chain gauge.
From page 247

































Standard assortment at a glance

Overview - quality grade 12 HIT PRO



































1-leg		2-leg		4-leg	
	Standard hook			Standard hook	
	Safety load hook			Safety load hook	
	Standard hook, can be shortened			Standard hook, can be shortened	
	Safety load hook, can be shortened			Safety load hook, can be shortened	
	Chain sling				Balancing suspension gear
	Basket chain				Balancing suspension gear, can be shortened
					Balancing suspension gear, two-piece
					Balancing suspension gear, can be shortened, two-piece

Chain sling in quality grade 12 with oversized suspension link on request!

Overview – quality grade 10 HIT

1-leg		2-leg		4-leg	
	Standard hook		Standard hook		Standard hook
	Page 132		Page 150		Page 166
	Safety load hook		Safety load hook		Safety load hook
	Page 134		Page 152		Page 168
	Oversized suspension link		Oversized suspension link		Oversized suspension link
	Page 136		Page 154		Page 170
	Standard hook, can be shortened		Standard hook, can be shortened		Standard hook, can be shortened
	Page 138		Page 156		Page 172
	Safety load hook, can be shortened		Safety load hook, can be shortened		Safety load hook, can be shortened
	Page 140		Page 158		Page 174
	Oversized suspension link, can be shortened		Oversized suspension link, can be shortened		Oversized suspension link, can be shortened
	Page 142		Page 160		Page 176
	Suspension link end fitting				
	Page 144				
	Connecting link end fitting		Connecting link end fitting		Connecting link end fitting
	Page 146		Page 162		Page 178
	Coupling shackle end fitting		Coupling shackle end fitting		Coupling shackle end fitting
	Page 148		Page 164		Page 180
					4-leg balancing suspension gear rocker
					Page 183
					4-leg balancing suspension gear rocker, can be shortened
					Page 185
					4-leg balancing suspension gear for precast slabs with in-situ topping
					Page 182
	Chain sling				4-leg balancing suspension gear two-piece rocker
	Page 191				Page 187
	Basket chain				4-leg balancing suspension gear, can be shortened, two-piece rocker
	Page 192				Page 189

Overview of quality grade 8 – on request

1-leg	2-leg	4-leg
 Standard hook	 Standard hook	 Standard hook
 Safety load hook	 Safety load hook	 Safety load hook
 Oversized suspension link	 Oversized suspension link	 Oversized suspension link
 Oversize suspension link + safety load hook	 Oversize suspension link + safety load hook	 Oversize suspension link + safety load hook
 Standard hook, can be shortened	 Standard hook, can be shortened	 Standard hook, can be shortened
 Safety load hook, can be shortened	 Safety load hook, can be shortened	 Safety load hook, can be shortened
 Oversized suspension link, can be shortened	 Oversized suspension link, can be shortened	 Oversized suspension link, can be shortened
 Oversize suspension link, can be shortened + safety load hook	 Oversize suspension link, can be shortened + safety load hook	 Oversize suspension link, can be shortened + safety load hook
 Special connecting link end fitting	 Special connecting link end fitting	 Special connecting link end fitting
		 4-leg balancing suspension gear rocker
		 4-leg balancing suspension gear rocker, can be shortened
		 4-leg balancing suspension gear for precast slabs with in-situ topping
 Chain sling		 4-leg balancing suspension gear - two-piece rocker
 Basket chain		 4-leg balancing suspension gear, can be shortened, two-piece rocker

Overview Fibre Tech textile Chain sling

1-leg

2-leg

4-leg



Standard hook

Page
297



Standard hook

Page
301



Standard hook

Page
305



Standard hook, can be shortened

Page
299



Standard hook, can be shortened

Page
303



Standard hook, can be shortened

Page
307

Special solutions: We make it possible

We advise you and provide you quickly and simply with tailor-made solutions to suit your specific application.

A selection of possible components can be found on the following pages:

- Quality grade 12 from page 114 onwards
- Quality grade 10 from page 193 onwards
- Quality grade 8 from page 240 onwards



Just give us a call!

**Any questions?
We'll be glad to advise you**

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Austria
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Switzerland
+ 41 (0) 44 768 55-55

Luxembourg
+ 352-57 42 42

Working load limit table

Load factors for calculating various working load limits per type of rigging.

PFEIFER Chain slings						EN 818-1,2,4,6, EN 1677, PAS 1061					Working load limits in t*				
Nominal chain thickness mm	1-leg chains			Endless chains			2-leg chains					3- and 4-leg chains			
Rule		5	5	5	5	5	1	1 + 3	1 + 5	1 + 3 + 5	1	1 + 3	2	2 + 3	
Angle of inclination			up to 6°				up to 45°	up to 45°	45°- 60°	up to 45°	45°- 60°	up to 45°	45°- 60°	up to 45°	45°- 60°
Load factor	1	0,8	2	1,6	1,6	1,4	1,4	1	1,12	0,8	2,1	1,5	2,8	2	
Quality grade 12	7	2,36	1,90	4,72	3,75	3,75	3,35	3,35	2,36	2,65	1,90	5,00	3,55	6,70	4,75
	8	3,00	2,36	6,00	4,25	4,75	4,25	4,25	3,00	3,35	2,36	6,30	4,50	8,50	6,00
	10	5,00	4,00	10,00	8,00	8,00	7,10	7,10	5,00	5,60	4,00	10,60	7,50	14,00	10,00
	13	8,00	6,30	16,00	12,30	12,50	11,20	11,20	8,00	9,00	6,30	17,00	11,80	-	-
	16	12,5	10	25	20	20	17,5	17,5	12,5	14	10	26,25	18,75	-	-
Quality grade 10	6	1,40	1,12	2,80	2,00	2,24	2,00	2,00	1,40	1,60	1,12	3,00	2,12	4,00	2,80
	8	2,50	2,00	5,00	3,55	4,00	3,55	3,55	2,50	2,80	2,00	5,30	3,75	7,10	5,00
	10	4,00	3,15	8,00	5,60	6,30	5,60	5,60	4,00	4,25	3,15	8,00	6,00	11,20	8,00
	13	6,70	5,30	13,40	9,50	10,60	9,50	9,50	6,70	7,50	5,30	14,00	10,00	19,00	13,20
	16	10,00	8,00	20,00	14,00	16,00	14,00	14,00	10,00	11,20	8,00	21,20	15,00	28,00	20,00
	19	14,00	11,20	28,00	20,00	22,40	20,00	20,00	14,00	16,00	11,20	30,00	21,20	40,00	28,00
	22	19,00	15,00	37,50	26,50	30,00	26,50	26,50	19,00	21,20	15,00	40,00	28,00	53,00	37,50
Quality grade 8	6	1,12	0,90	2,24	1,80	1,80	1,60	1,60	1,12	1,25	0,90	2,36	1,70	3,15	2,24
	8	2,00	1,60	4,00	3,15	3,15	2,80	2,80	2,00	2,24	1,60	4,25	3,00	5,60	4,00
	10	3,15	2,50	6,30	5,00	5,00	4,25	4,25	3,15	3,55	2,50	6,70	4,75	8,50	6,30
	13	5,30	4,25	10,60	8,50	8,50	7,50	7,50	5,30	5,90	4,25	11,20	8,00	15,00	10,60
	16	8,00	6,30	16,00	12,50	12,50	11,20	11,20	8,00	9,00	6,30	17,00	11,80	22,40	16,00
	18	10,00	8,00	20,00	16,00	16,00	14,00	14,00	10,00	11,20	8,00	21,00	15,00	28,00	20,00
	20	12,50	10,00	25,00	20,00	20,00	17,50	17,50	12,50	14,00	10,00	26,25	18,75	35,00	25,00
	22	15,00	12,00	30,00	23,60	23,60	21,20	21,20	15,00	17,00	12,00	31,50	22,40	42,50	30,00
26	21,20	16,95	42,40	33,50	33,50	30,00	30,00	21,20	23,70	16,95	45,00	31,50	59,40	42,40	
32	31,50	25,20	62,50	50,00	50,00	45,00	45,00	31,50	35,20	25,20	67,00	47,50	on request	on request	

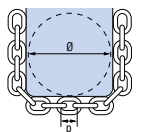
* according to type of rigging and angle of inclination β

The working load limit data (in tonnes) correspond to the use of the attachment devices under normal conditions (symmetrical loading of all legs).

- 1 If the load is distributed asymmetrically:
 - only one leg may be assumed to be bearing the load in the case of 2-leg suspension gear (see single-leg suspension gear)
 - only two load-bearing legs may be counted in the case of 3-/4-leg suspension gear according to German Statutory Accident Insurance regulation DGUV 109-117 (see 2-leg suspension gear). In the case of doubt, however, only 1 leg is to be assumed to be load-bearing!

- 2 Rocker inclination angle max. 15°
- 3 When using 2 suspensions devices on one crane hook, the angle of inclination of the attachment devices may not exceed 45°.
- 4 According to DIN EN this type of rigging is not permitted with transversely rigid (e.g. coated) loop lifting straps.

- 5 Support arm deflection 180° according to EN 818; reduce WLL by 50% if the support arm Ø is smaller than 3 x chain pitch. Continue to watch out for sharp edges.



Notice on safe use

When designing and applying, take into account the factors influencing the working load limit. All factors can occur at the same time and affect the working load limit accordingly!

Note about using a balancing rocker

- In the case of four-leg suspension gear without a rocker, only a maximum of 3 legs are generally considered to be load-bearing (German Statutory Accident Insurance regulation DGUV 109-117) due to unavoidable manufacturing tolerances
- With symmetrical load distribution and the use of a rocker, 4 legs can be assumed to be load-bearing. This does not apply to an asymmetrical load distribution!
- However, the balancing rocker must not have an angle of inclination of more than 15° when in use.

Asymmetrical load distribution

- With asymmetrical load distribution, only one leg carries the entire load in case of doubt. It is possible to refute this by means of calculation. Different length tolerances of the chain legs must be included in the calculation. Proof can also be provided by means of an experiment, whereby an additional mathematical calculation is desirable.
- Shorteners help to transport the load horizontally and stabilise the load. However, they do not lead to a symmetrical load distribution, nor does the use of a balancing rocker!

Mixing quality grades

- The working load limit always depends on the weakest part of the system. Please contact us if you have any questions!

Angle of inclination

- An angle of inclination $> 60^\circ$ is not allowed, as the forces occurring here on the legs become too large.
- Caution: When using 2 suspensions devices on one crane hook, the angle of inclination of the attachment devices may not exceed $\beta > 45^\circ$.
- Caution: $\beta < 15^\circ$ – Danger of load instability in multi-leg attachment.

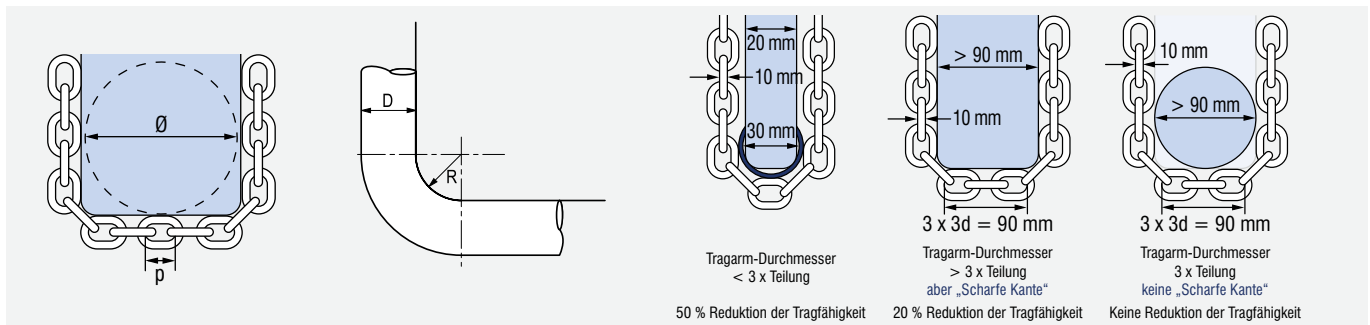
Use as a load-lifting magnetic chain sling

When used as a load-lifting magnetic chain sling (electromagnets): increase by at least one nominal chain thickness – observe the manufacturer's specifications.

Sharp edges

Sharp edges on the goods to be lifted damage chain slings and reduce the working load limit by at least 20 %

- Edges are considered to be sharp if the edge radius R of the load is smaller than the nominal thickness of the round steel chain



- An edge radius of $> 2x$ the chain diameter is recommended
- If the diameter of the support arm is less than $3x$ the chain pitch, the working load limit must be reduced by 50 %.

Use the PFEIFER edge protection systems from page 304 onwards.

Particularly hazardous conditions

In case of offshore use, the lifting of persons and the lifting of potentially hazardous loads (e.g. liquid metals or corrosive substances), the permissibility and the degree of endangerment must be clarified with our product management or the manufacturer respectively.

High and low temperature conditions

Select chain slings so that the permissible operating temperature is not exceeded/undercut. In addition, working load limit reductions must be made from certain temperature limits (see operating instructions).

Corrosion resistances

- Chain slings with cathodic EPD (high degree of protection)
- Powder coating (moderate degree of protection)
- Painting (low degree of protection)

Higher dynamic stress and shocks

- If the chain is exposed to increased dynamics during its use (but there are no particularly hazardous operating conditions), the chain should be dimensioned larger.
- In the case of impacts, larger-dimensioned chain slings must also be selected or the working load limits must be reduced in accordance with the manufacturer's specifications.
- When there is a risk of moderate impacts, e.g. caused by the slipping of the chain sling during its adjustment to the shape of the load, the working load limit should be reduced by at least 30% or the next larger nominal size should be chosen.

Critical components

- Chain:
In the case of multi-leg chains, the difference between the longest and the shortest single leg may be (assembled):
 - Nominal length ≤ 2 m: 10 mm max.
 - Nominal length > 2 m: 5 mm/m
- Connecting links
It is only permissible to load the connecting link axially (in a 90° line). A load deviating from the linear direction is prohibited!
- Suspension ring:
The inner clearance width of a ring must be at least 20 % wider than the maximum width of the hook. Large suspension links are installed as standard in all our chains, therefore the requirement for standard crane hooks is met.
- Hooks:
As a rule, hooks must always have a safety latch to prevent the load falling out unintentionally. Load hooks without a safety latch may only be used where no safety latch is prescribed. This can be the case, for example, where opening the safety latch would pose a higher risk than use without a safety latch. For example, in inaccessible or dangerous places, such as foundries. In this case, it must be ensured that the absence of the safety latch does not pose a danger to employees during transport and that an automatic release or unhooking of the hooks is not possible. In the case of special hooks such as plate hooks or fork hooks, the respective specifications in the operating instructions must be observed.
→ For special hooks, see modular system with/without safety latch
Hooks must never be loaded at the hook tip and, in the multi-leg attachment, the hook tips must always point outwards.

Take advantage of our services!

We support you with inspections for the safety and discarding time of your attachment devices.



Services

- ▶ Order scheduling
- ▶ Mobile and stationary Inspection Service
- ▶ Instant repairs
- ▶ Spare parts service
- ▶ Modern data management

Total range:

www.pfeifer.info/mobile-services



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+352 57 42-42

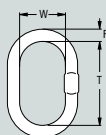
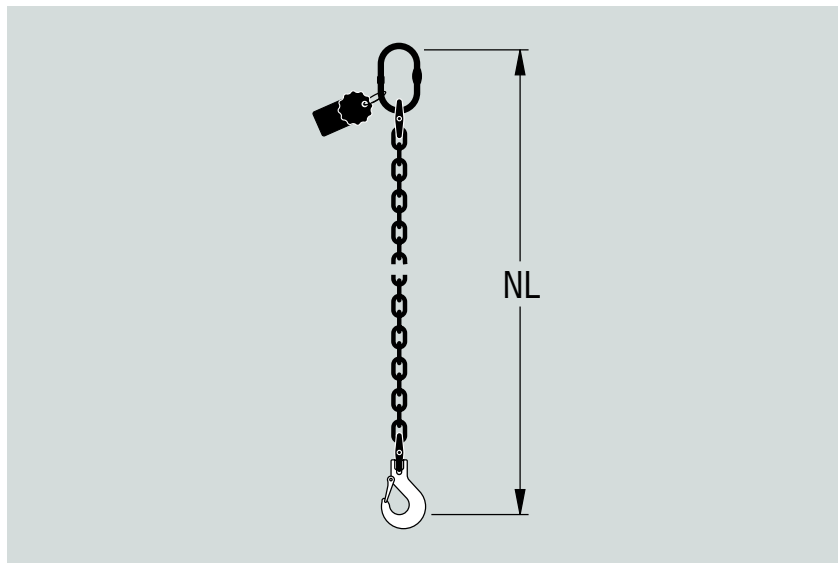
- ▶ Hook with large jaw size
- ▶ Minimal weight
- ▶ Highest working load limits
- ▶ Minimal space requirement
- ▶ **Quality grade: 12**
- ▶ **Shortening: cannot be shortened**
- ▶ **WLL: 2,36 t to 12,5 t**

Technical data

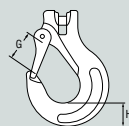
- ▶ **Operating temperature:** -60 °C to +200 °C = 100 % working load limit; +200 °C to +300 °C = 60 % working load limit
- ▶ **Standard:** Chain on the basis of DIN EN 818; Chain components on the basis of DIN EN 1677
- ▶ **Safety factor:** 4
- ▶ **Identification mark:** Batch number and serial number; Quality grade no.; Quality grade and carrying capacity symbol
- ▶ **Legs Quantity:** single-line
- ▶ **Chain surface:** cathodic dip-paint coating
- ▶ **Chain color:** black
- ▶ **Structural element surface:** powder-coated
- ▶ **Structural element colour:** blue

HIT PRO chain sling, single leg Standard hook



Chain sling with MWP standard suspension link and KHSWP standard load hook with larger jaw size for single leg attachment. Ideally suited for all applications with standard crane hooks and for general lifting purposes. Cathodic EPD provides extreme corrosion-protection.



MWP
see page 115



KHSWP
see page 121

WLL direct		kg	2360	3000	5000	8000	12500
WLL strapped		kg	1900	2360	4000	6300	10000
Nominal size of chain		mm	7	8	10	13	16
Standard usable length	NL	m	1	1	1	1	1
Reference no.			491946	491951	491956	491961	492278
Standard usable length	NL	m	1,5	1,5	1,5	1,5	1,5
Reference no.			491947	491952	491957	491962	492279
Standard usable length	NL	m	2	2	2	2	2
Reference no.			491948	491953	491958	491963	492280
Standard usable length	NL	m	3	3	3	3	3
Reference no.			491949	491954	491959	491964	492281
Standard usable length	NL	m	4	4	4	4	4
Reference no.			491950	491955	491960	491965	492282
Component suspension							
Type			MWP	MWP	MWP	MWP	MWP
Clear height	T	mm	120	140	160	190	200
Clearance	W	mm	70	80	95	110	110
Ring cross-sectional diameter	F	mm	14	17	19	27	30
Component end fitting							
Type			KHSWP	KHSWP	KHSWP	KHSWP	KHSWP
Hook base height	H	mm	26	26	33	43	51
Hook opening width	G	mm	36	36	41	49	59

- ▶ Self-closing safety load hook
- ▶ Quality grade: 12
- ▶ Shortening: cannot be shortened
- ▶ WLL: 2,36 t to 8 t

Technical data

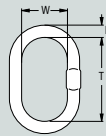
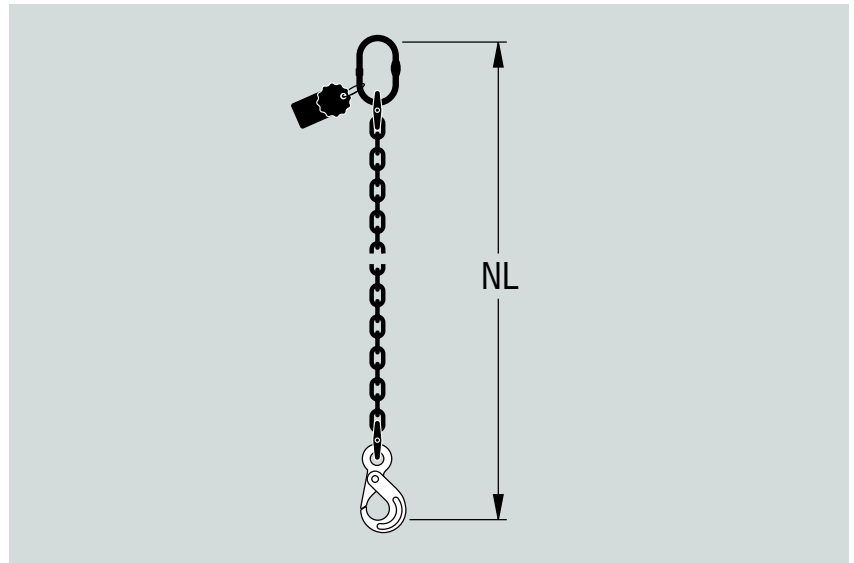
- ▶ **Operating temperature:** -60 °C to +200 °C = 100 % working load limit; +200 °C to +300 °C = 60 % working load limit
- ▶ **Standard:** Chain on the basis of DIN EN 818; Chain components on the basis of DIN EN 1677
- ▶ **Safety factor:** 4
- ▶ **Identification mark:** Batch number and serial number; Quality grade no.; Quality grade and carrying capacity symbol
- ▶ **Legs Quantity:** single-line
- ▶ **Chain surface:** cathodic dip-paint coating
- ▶ **Chain color:** black
- ▶ **Structural element surface:** powder-coated
- ▶ **Structural element colour:** blue

HIT PRO chain sling, single leg Safety load hook

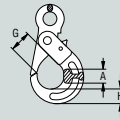
Chain sling with VMWP standard suspension link. and self-closing LHWP safety load hook for single leg attachment.

Ideally suited for all applications with standard crane hooks and for general lifting purposes.



Cathodic EPD provides extreme corrosion-protection.



MWP
see page 115



LHWP
see page 123

WLL direct		kg	2360	3000	5000	8000
WLL strapped		kg	1900	2360	4000	6300
Nominal size of chain		mm	7	8	10	13
Standard usable length	NL	m	1	1	1	1
Reference no.			491966	491971	491976	491981
Standard usable length	NL	m	1,5	1,5	1,5	1,5
Reference no.			491967	491972	491977	491982
Standard usable length	NL	m	2	2	2	2
Reference no.			491968	491973	491978	491983
Standard usable length	NL	m	3	3	3	3
Reference no.			491969	491974	491979	491984
Standard usable length	NL	m	4	4	4	4
Reference no.			491970	491975	491980	491985
Component suspension						
Type			MWP	MWP	MWP	MWP
Clear height	T	mm	120	140	160	190
Clearance	W	mm	70	80	95	110
Ring cross-sectional diameter	F	mm	14	17	19	27
Component end fitting						
Type			LHWP	LHWP	LHWP	LHWP
Hook base height	H	mm	25	25	31	41
Hook thickness	A	mm	25	25	28	34
Hook opening width	G	mm	34	34	45	54

- ▶ Hook with large jaw size
- ▶ Quality grade: 12
- ▶ Shortening: can be shortened
- ▶ WLL: 2,36 t to 12,5 t

Technical data

- ▶ **Operating temperature:**
-60 °C to +200 °C = 100 % working load limit;
+200 °C to +300 °C = 60 % working load limit
- ▶ **Standard:** Chain on the basis of DIN EN 818;
Chain components on the basis of
DIN EN 1677
- ▶ **Safety factor:** 4
- ▶ **Identification mark:** Batch number and
serial number; Quality grade no.; Quality
grade and carrying capacity symbol
- ▶ **Legs Quantity:** single-line
- ▶ **Chain surface:** cathodic dip-paint coating
- ▶ **Chain color:** black
- ▶ **Structural element surface:** powder-coated
- ▶ **Structural element colour:** blue

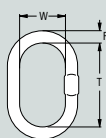
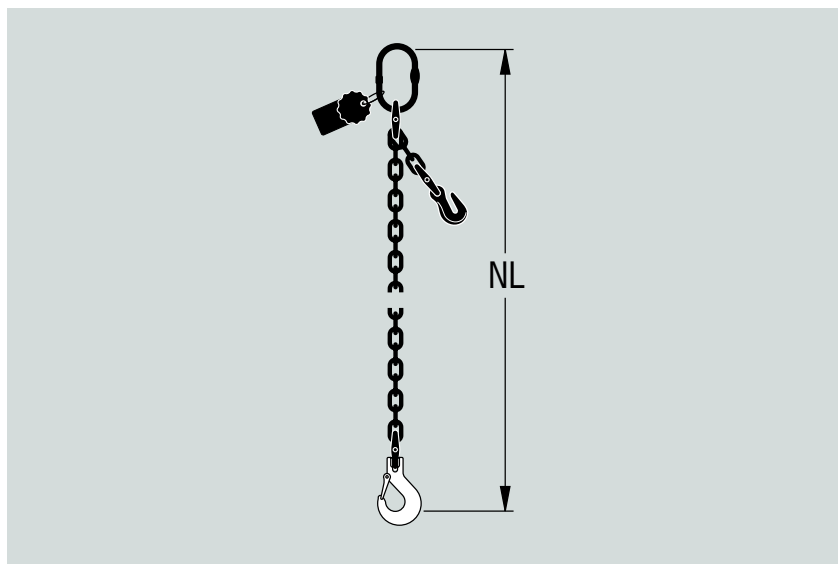
HIT PRO chain sling, single-leg, can be shortened Standard hook

Chain sling with MWP standard suspension link and PWP/KPWP shortener and KHSWP standard load hook with larger jaw size for single leg attachment.

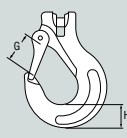
Ideally suited for all demanding applications with standard crane hooks and for general lifting purposes.

The shortener enables horizontal alignment of the load in multi-leg attachment even with difficult transport procedures as well as suitable adjustment of the load for assemblies.

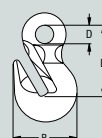
Cathodic EPD provides extreme corrosion-protection.



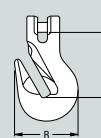
MWP
see page 115





KHSWP
see page 121



PWP
see page 125



KPWP
see page 127

WLL direct		kg	2360	3000	5000	8000	12500
WLL strapped		kg	1900	2360	4000	6300	10000
Nominal size of chain		mm	7	8	10	13	16
Standard usable length	NL	m	1	1	1	-	-
Reference no.			491986	491991	491996	-	-
Standard usable length	NL	m	1,5	1,5	1,5	1,5	1,5
Reference no.			491987	491992	491997	492001	492303
Standard usable length	NL	m	2	2	2	2	2
Reference no.			491988	491993	491998	492002	492304
Standard usable length	NL	m	3	3	3	3	3
Reference no.			491989	491994	491999	492003	492305
Standard usable length	NL	m	4	4	4	4	4
Reference no.			491990	491995	492000	492004	492306
Component suspension							
Type			MWP	MWP	MWP	MWP	MWP
Clear height	T	mm	120	140	160	190	200
Clearance	W	mm	70	80	95	110	110
Ring cross-sectional diameter	F	mm	14	17	19	27	30
Component shortening							
Type			PWP	PWP	PWP	PWP	KPWP
Component end fitting							
Type			KHSWP	KHSWP	KHSWP	KHSWP	KHSWP
Hook base height	H	mm	26	26	33	43	51
Hook opening width	G	mm	36	36	41	49	59

- ▶ **Self-closing safety load hook**
- ▶ **Quality grade: 12**
- ▶ **Shortening: can be shortened**
- ▶ **WLL: 2,36 t to 8 t**

Technical data

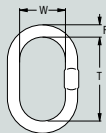
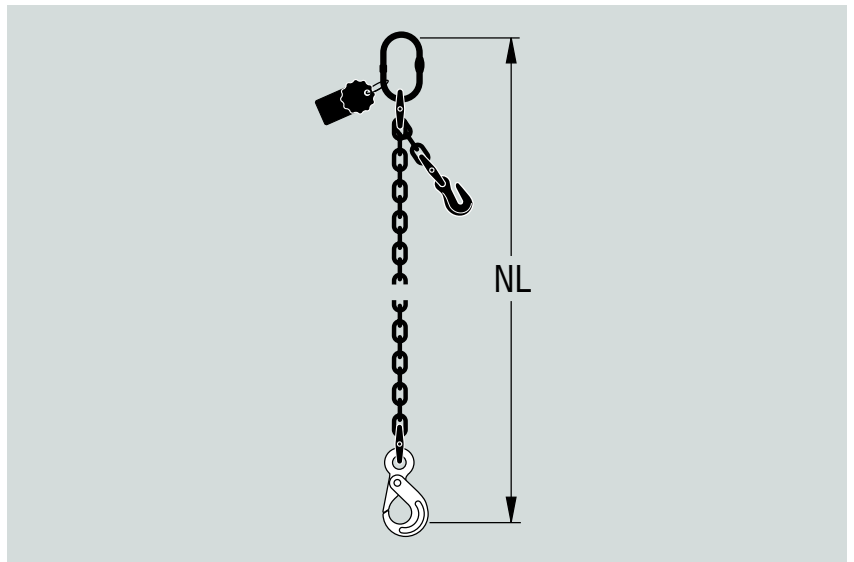
- ▶ **Operating temperature:**
 -60 °C to +200 °C = 100 % working load limit;
 +200 °C to +300 °C = 60 % working load limit
- ▶ **Standard:** Chain on the basis of DIN EN 818;
 Chain components on the basis of
 DIN EN 1677
- ▶ **Safety factor:** 4
- ▶ **Identification mark:** Batch number and
 serial number; Quality grade no.; Quality
 grade and carrying capacity symbol
- ▶ **Legs Quantity:** single-line
- ▶ **Chain surface:** cathodic dip-paint coating
- ▶ **Chain color:** black
- ▶ **Structural element surface:** powder-coated
- ▶ **Structural element colour:** blue

HIT PRO chain sling, single-leg, can be shortened Safety load hook

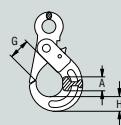
Chain sling with MWP standard suspension link, PWP shortener and self-closing LHWP safety load hook for single leg attachment. Ideally suited for all demanding applications with standard crane hooks and for general lifting purposes.

The shortener enables horizontal alignment of the load in multi-leg attachment even with difficult transport procedures as well as suitable adjustment of the load for assemblies.

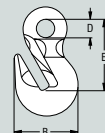
Cathodic EPD provides extreme corrosion-protection.





MWP
see page 115



LHWP
see page 123



PWP
see page 125

WLL direct		kg	2360	3000	5000	8000
WLL strapped		kg	1900	2360	4000	6300
Nominal size of chain		mm	7	8	10	13
Standard usable length	NL	m	1	1	1	-
Reference no.			492005	492010	492015	-
Standard usable length	NL	m	1,5	1,5	1,5	1,5
Reference no.			492006	492011	492016	492020
Standard usable length	NL	m	2	2	2	2
Reference no.			492007	492012	492017	492021
Standard usable length	NL	m	3	3	3	3
Reference no.			492008	492013	492018	492022
Standard usable length	NL	m	4	4	4	4
Reference no.			492009	492014	492019	492023
Component suspension						
Type			MWP	MWP	MWP	MWP
Clear height	T	mm	120	140	160	190
Clearance	W	mm	70	80	95	110
Ring cross-sectional diameter	F	mm	14	17	19	27
Component shortening						
Type			PWP	PWP	PWP	PWP
Component end fitting						
Type			LHWP	LHWP	LHWP	LHWP
Hook base height	H	mm	25	25	31	41
Hook thickness	A	mm	25	25	28	34
Hook opening width	G	mm	34	34	45	54

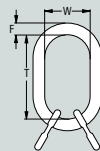
- ▶ Hook with large jaw size
- ▶ Quality grade: 12
- ▶ Shortening: cannot be shortened
- ▶ WLL: 3,35 t to 17,5 t

Technical data

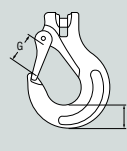
- ▶ **Operating temperature:**
 - 60 °C to +200 °C = 100 % working load limit;
 - +200 °C to +300 °C = 60 % working load limit
- ▶ **Standard:** Chain on the basis of DIN EN 818;
Chain components on the basis of
DIN EN 1677
- ▶ **Safety factor:** 4
- ▶ **Identification mark:** Batch number and
serial number; Quality grade no.; Quality
grade and carrying capacity symbol
- ▶ **Legs Quantity:** 2-leg
- ▶ **Chain surface:** cathodic dip-paint coating
- ▶ **Chain color:** black
- ▶ **Structural element surface:** powder-coated
- ▶ **Structural element colour:** blue

HIT PRO chain sling, 2-leg Standard hook





Chain sling with VMWP extra-large suspension link and KHSWP standard load hook with large jaw size for 2-leg attachment. Ideally suited for all applications with oversized crane hooks conforming to DIN 15401 and for general lifting purposes. Cathodic EPD provides extreme corrosion-protection.



VMWP
see page 116



KHSWP
see page 121

WLL direct 0-45°		kg	3350	4250	7100	11200	17500
WLL direct 45-60°		kg	2360	3000	5000	8000	12500
WLL strapped 0-45°		kg	2650	3350	5600	9000	14000
WLL strapped 45-60°		kg	1900	2360	4000	6300	10000
Nominal size of chain		mm	7	8	10	13	16
Standard usable length	NL	m	1	1	1	1	1
Reference no.			492064	492069	492074	492079	492293
Standard usable length	NL	m	1,5	1,5	1,5	1,5	1,5
Reference no.			492065	492070	492075	492080	492294
Standard usable length	NL	m	2	2	2	2	2
Reference no.			492066	492071	492076	492081	492295
Standard usable length	NL	m	3	3	3	3	3
Reference no.			492067	492072	492077	492082	492296
Standard usable length	NL	m	4	4	4	4	4
Reference no.			492068	492073	492078	492083	492297
Component suspension							
Type			VMWP	VMWP	VMWP	VMWP	VMWP
Clear height	T	mm	160	160	190	230	275
Clearance	W	mm	95	95	110	130	150
Ring cross-sectional diameter	F	mm	19	19	27	33	38
Component end fitting							
Type			KHSWP	KHSWP	KHSWP	KHSWP	KHSWP
Hook base height	H	mm	26	26	33	43	51
Hook opening width	G	mm	36	36	41	49	59

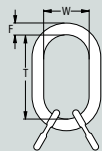
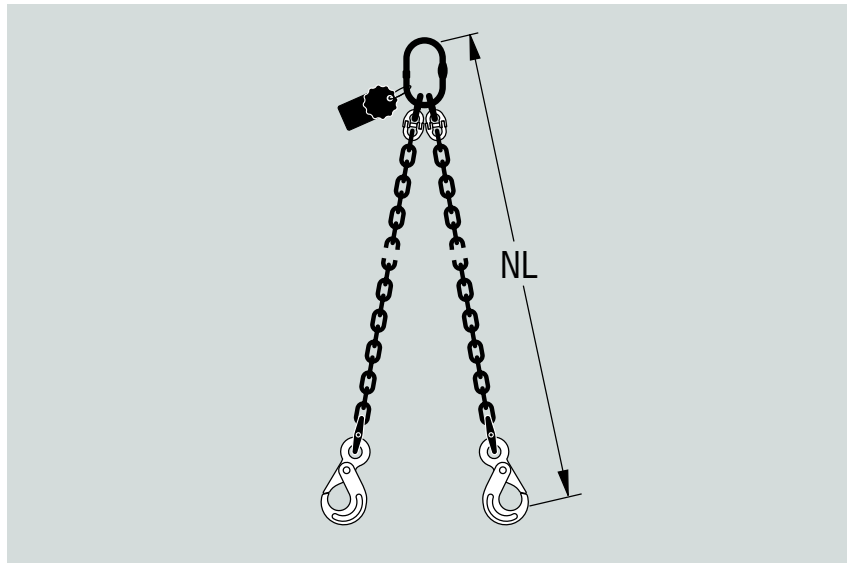
- ▶ **Self-closing safety load hook**
- ▶ **Quality grade: 12**
- ▶ **Shortening: cannot be shortened**
- ▶ **WLL: 3,35 t to 11,2 t**

Technical data

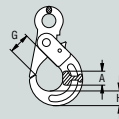
- ▶ **Operating temperature:**
 -60 °C to +200 °C = 100 % working load limit;
 +200 °C to +300 °C = 60 % working load limit
- ▶ **Standard:** Chain on the basis of DIN EN 818;
 Chain components on the basis of
 DIN EN 1677
- ▶ **Safety factor:** 4
- ▶ **Identification mark:** Batch number and
 serial number; Quality grade no.; Quality
 grade and carrying capacity symbol
- ▶ **Legs Quantity:** 2-leg
- ▶ **Chain surface:** cathodic dip-paint coating
- ▶ **Chain color:** black
- ▶ **Structural element surface:** powder-coated
- ▶ **Structural element colour:** blue

HIT PRO chain sling, 2-leg Safety load hook

Chain sling with VMWP extra-large suspension link. and self-closing LHWP safety load hook for 2-leg attachment.
 Ideally suited for all applications with oversized crane hooks conforming to DIN 15401 and for general lifting purposes.
 Cathodic EPD provides extreme corrosion-protection.



VMWP
 see page 116



LHWP
 see page 123

WLL direct 0-45°		kg	3350	4250	7100	11200
WLL direct 45-60°		kg	2360	3000	5000	8000
WLL strapped 0-45°		kg	2650	3350	5600	9000
WLL strapped 45-60°		kg	1900	2360	4000	6300
Nominal size of chain		mm	7	8	10	13
Standard usable length	NL	m	1	1	1	1
Reference no.			492084	492089	492094	492099
Standard usable length	NL	m	1,5	1,5	1,5	1,5
Reference no.			492085	492090	492095	492100
Standard usable length	NL	m	2	2	2	2
Reference no.			492086	492091	492096	492101
Standard usable length	NL	m	3	3	3	3
Reference no.			492087	492092	492097	492102
Standard usable length	NL	m	4	4	4	4
Reference no.			492088	492093	492098	492103
Component suspension						
Type			VMWP	VMWP	VMWP	VMWP
Clear height	T	mm	160	160	190	230
Clearance	W	mm	95	95	110	130
Ring cross-sectional diameter	F	mm	19	19	27	33
Component end fitting						
Type			LHWP	LHWP	LHWP	LHWP
Hook base height	H	mm	25	25	31	41
Hook thickness	A	mm	25	25	28	34
Hook opening width	G	mm	34	34	45	54

- ▶ Hook with large jaw size
- ▶ Quality grade: 12
- ▶ Shortening: can be shortened
- ▶ WLL: 3,35 t to 17,5 t

Technical data

- ▶ **Operating temperature:**
 -60 °C to +200 °C = 100 % working load limit;
 +200 °C to +300 °C = 60 % working load limit
- ▶ **Standard:** Chain following DIN EN 818;
 DIN EN 1677-compliant chain components
- ▶ **Safety factor:** 4
- ▶ **Identification mark:** Batch number and serial number; Quality grade no.; Quality grade and carrying capacity symbol
- ▶ **Legs Quantity:** 2-leg
- ▶ **Chain surface:** cathodic dip-paint coating
- ▶ **Chain color:** black
- ▶ **Structural element surface:** powder-coated
- ▶ **Structural element colour:** blue

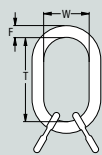
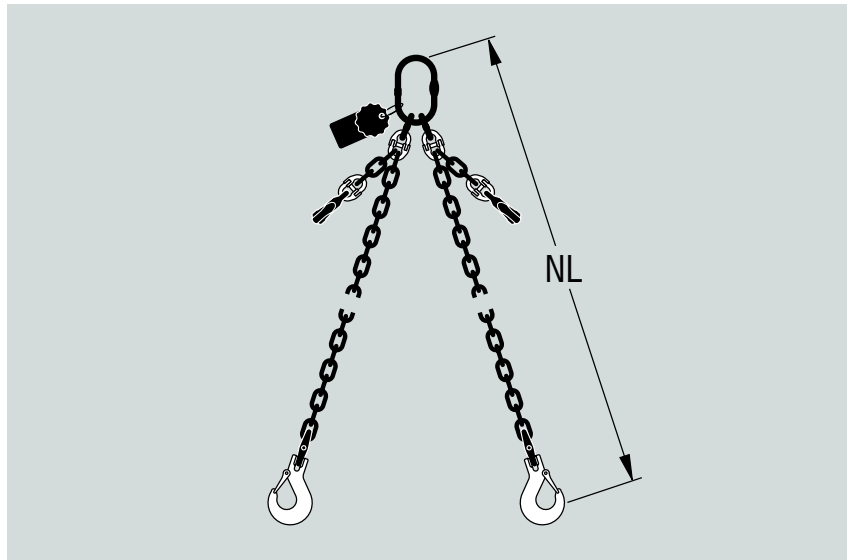
HIT PRO chain sling, 2-leg, can be shortened Standard hook

Chain sling with VMWP extra-large suspension link and PWP/KPWP shortener and KHSWP standard load hook with large jaw size for 2-leg attachment.

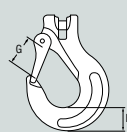
Ideally suited for demanding applications with oversized crane hooks and for general lifting purposes.

The shortener enables horizontal alignment of the load in multi-leg attachment even with difficult transport procedures as well as suitable adjustment of the load for assemblies.

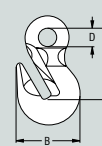
Cathodic EPD provides extreme corrosion-protection.



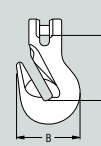
VMWP
see page 116







KHSWP
see page 121



PWP
see page 125



KPWP
see page 127

WLL direct 0-45°		kg	3350	4250	7100	11200	17500
WLL direct 45-60°		kg	2360	3000	5000	8000	12500
WLL strapped 0-45°		kg	2650	3350	5600	9000	14000
WLL strapped 45-60°		kg	1900	2360	4000	6300	10000
Nominal size of chain		mm	7	8	10	13	16
Standard usable length	NL	m	1	1	1	-	-
Reference no.			492104	492109	492114	-	-
Standard usable length	NL	m	1,5	1,5	1,5	1,5	1,5
Reference no.			492105	492110	492115	492119	492307
Standard usable length	NL	m	2	2	2	2	2
Reference no.			492106	492111	492116	492120	492308
Standard usable length	NL	m	3	3	3	3	3
Reference no.			492107	492112	492117	492121	492309
Standard usable length	NL	m	4	4	4	4	4
Reference no.			492108	492113	492118	492122	492310
Component suspension							
Type			VMWP	VMWP	VMWP	VMWP	VMWP
Clear height	T	mm	160	160	190	230	275
Clearance	W	mm	95	95	110	130	150
Ring cross-sectional diameter	F	mm	19	19	27	33	38
Component shortening							
Type			PWP	PWP	PWP	PWP	KPWP
Component end fitting							
Type			KHSWP	KHSWP	KHSWP	KHSWP	KHSWP
Hook base height	H	mm	26	26	33	43	51
Hook opening width	G	mm	36	36	41	49	59

- ▶ **Self-closing safety load hook**
- ▶ **Quality grade: 12**
- ▶ **Shortening: can be shortened**
- ▶ **WLL: 3,35 t to 11,2 t**

Technical data

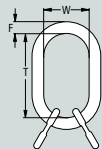
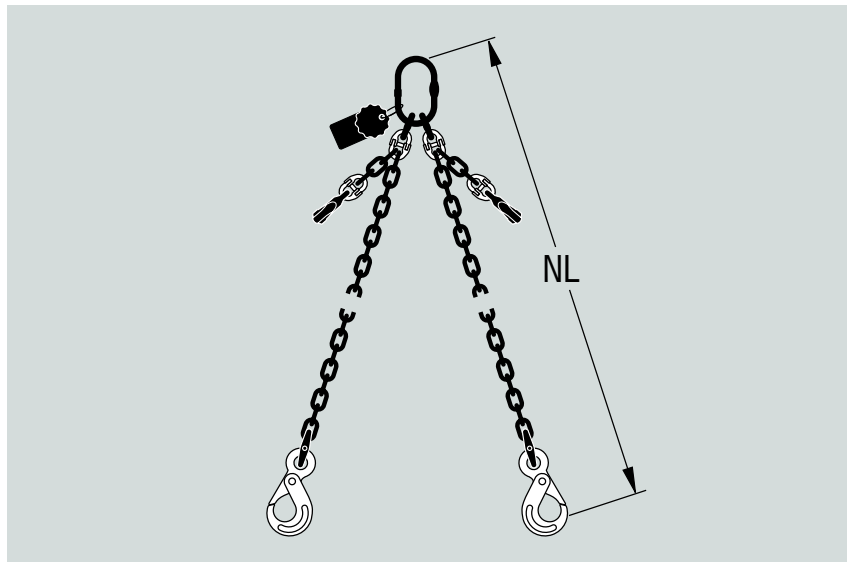
- ▶ **Operating temperature:**
 -60 °C to +200 °C = 100 % working load limit;
 +200 °C to +300 °C = 60 % working load limit
- ▶ **Standard:** Chain following DIN EN 818;
 DIN EN 1677-compliant chain components
- ▶ **Safety factor:** 4
- ▶ **Identification mark:** Batch number and serial number; Quality grade no.; Quality grade and carrying capacity symbol
- ▶ **Legs Quantity:** 2-leg
- ▶ **Chain surface:** cathodic dip-paint coating
- ▶ **Chain color:** black
- ▶ **Structural element surface:** powder-coated
- ▶ **Structural element colour:** blue

HIT PRO chain sling, 2-leg, can be shortened Safety load hook

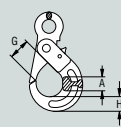
Chain sling with VMWP oversized suspension link, PWP shortener and self-closing LHWP safety load hook for 2-leg attachment. Ideally suited for demanding applications with oversized crane hooks and for general lifting purposes.

The shortener enables horizontal alignment of the load in multi-leg attachment even with difficult transport procedures as well as suitable adjustment of the load for assemblies.

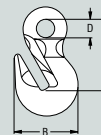
Cathodic EPD provides extreme corrosion-protection.







VMWP
see page 116



LHWP
see page 123



PWP
see page 125

WLL direct 0-45°		kg	3350	4250	7100	11200
WLL direct 45-60°		kg	2360	3000	5000	8000
WLL strapped 0-45°		kg	2650	3350	5600	9000
WLL strapped 45-60°		kg	1900	2360	4000	6300
Nominal size of chain		mm	7	8	10	13
Standard usable length	NL	m	1	1	1	-
Reference no.			492123	492129	492135	-
Standard usable length	NL	m	1,5	1,5	1,5	1,5
Reference no.			492124	492130	492136	492141
Standard usable length	NL	m	2	2	2	2
Reference no.			492125	492131	492137	492142
Standard usable length	NL	m	3	3	3	3
Reference no.			492126	492132	492138	492143
Standard usable length	NL	m	4	4	4	4
Reference no.			492127	492133	492139	492144
Standard usable length	NL	m	6	6	6	6
Reference no.			492128	492134	492140	492145
Component suspension						
Type			VMWP	VMWP	VMWP	VMWP
Clear height	T	mm	160	160	190	230
Clearance	W	mm	95	95	110	130
Ring cross-sectional diameter	F	mm	19	19	27	33
Component shortening						
Type			PWP	PWP	PWP	PWP
Component end fitting						
Type			LHWP	LHWP	LHWP	LHWP
Hook base height	H	mm	25	25	31	41
Hook thickness	A	mm	25	25	28	34
Hook opening width	G	mm	34	34	45	54

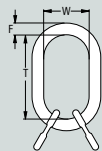
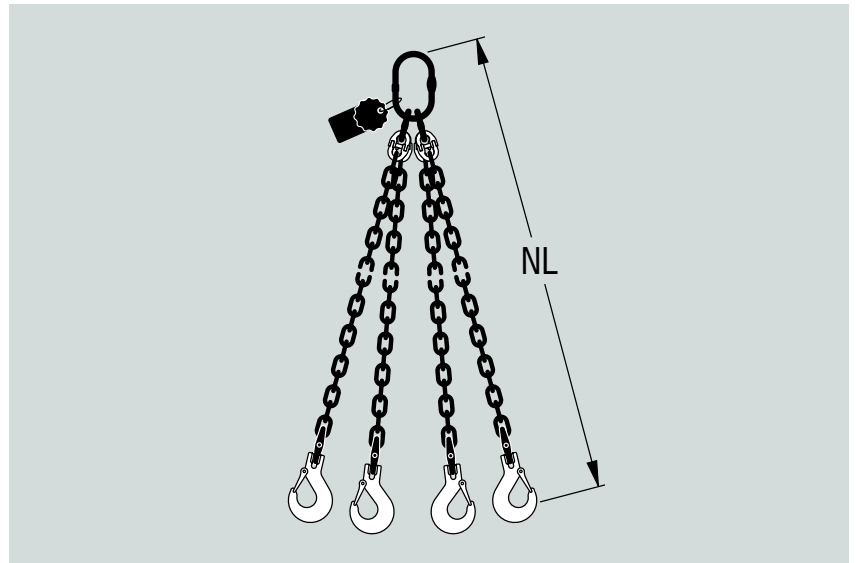
- ▶ **Hook with large jaw size**
- ▶ **Quality grade: 12**
- ▶ **Shortening: cannot be shortened**
- ▶ **WLL: 5 t to 17 t**

Technical data

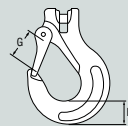
- ▶ **Operating temperature:**
 -60 °C to +200 °C = 100 % working load limit;
 +200 °C to +300 °C = 60 % working load limit
- ▶ **Standard:** Chain on the basis of DIN EN 818;
 Chain components on the basis of
 DIN EN 1677
- ▶ **Safety factor:** 4
- ▶ **Identification mark:** Batch number and
 serial number; Quality grade no.;
- ▶ **Quality grade and carrying capacity symbol**
- ▶ **Legs Quantity:** 4-leg
- ▶ **Chain surface:** cathodic dip-paint coating
- ▶ **Chain color:** black
- ▶ **Structural element surface:** powder-coated
- ▶ **Structural element colour:** blue

HIT PRO chain sling, 4-leg Standard hook



Chain sling with VMWP extra-large suspension link and KHSWP standard load hook with large jaw size for 4-leg attachment. Ideally suited for all applications with oversized crane hooks conforming to DIN 15401 and for general lifting purposes. Cathodic EPD provides extreme corrosion-protection.



VMWP
 see page 116



KHSWP
 see page 121

WLL direct 0-45°		kg	5000	26250	6300	10600	17000
WLL direct 45-60°		kg	3550	18750	4500	7500	11800
Nominal size of chain		mm	7	16	8	10	13
Standard usable length	NL	m	1	1	1	1	1
Reference no.			492146	492298	492151	492156	492161
Standard usable length	NL	m	1,5	1,5	1,5	1,5	1,5
Reference no.			492147	492299	492152	492157	492162
Standard usable length	NL	m	2	2	2	2	2
Reference no.			492148	492300	492153	492158	492163
Standard usable length	NL	m	3	3	3	3	3
Reference no.			492149	492301	492154	492159	492164
Standard usable length	NL	m	4	4	4	4	4
Reference no.			492150	492302	492155	492160	492165
Component suspension							
Type			VMWP	VMWP	VMWP	VMWP	VMWP
Clear height	T	mm	190	275	190	230	275
Clearance	W	mm	110	150	110	130	150
Ring cross-sectional diameter	F	mm	27	38	27	33	38
Component end fitting							
Type			KHSWP	KHSWP	KHSWP	KHSWP	KHSWP
Hook base height	H	mm	26	51	26	33	43
Hook opening width	G	mm	36	59	36	41	49

- ▶ Self-closing safety load hook
- ▶ Quality grade: 12
- ▶ Shortening: cannot be shortened
- ▶ WLL: 5 t to 17 t

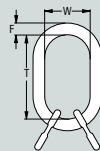
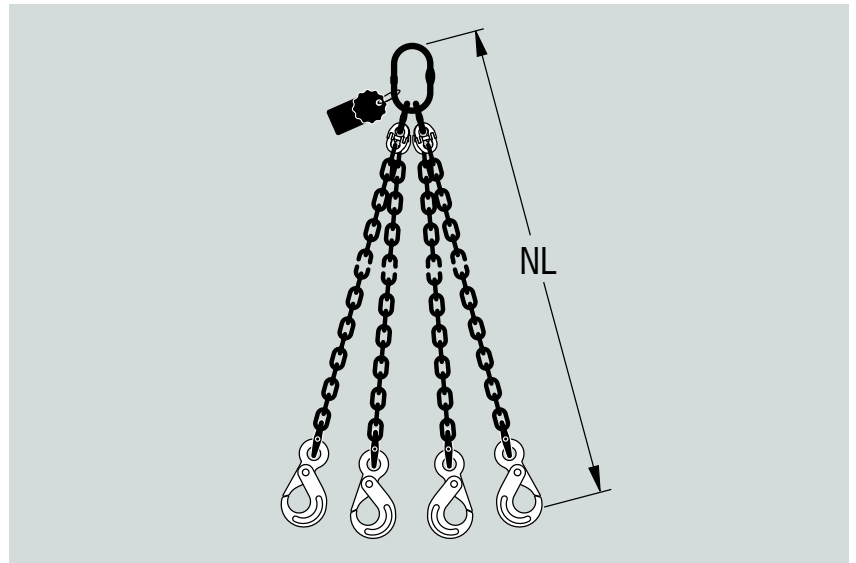
Technical data

- ▶ **Operating temperature:**
 - 60 °C to +200 °C = 100 % working load limit;
 - +200 °C to +300 °C = 60 % working load limit
- ▶ **Standard:** Chain on the basis of DIN EN 818;
Chain components on the basis of
DIN EN 1677
- ▶ **Safety factor:** 4
- ▶ **Identification mark:** Batch number and
serial number; Quality grade no.;
- Quality grade and carrying capacity symbol
- ▶ **Legs Quantity:** 4-leg
- ▶ **Chain surface:** cathodic dip-paint coating
- ▶ **Chain color:** black
- ▶ **Structural element surface:** powder-coated
- ▶ **Structural element colour:** blue

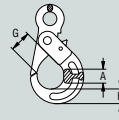
HIT PRO chain sling, 4-leg Safety load hook

Chain sling with VMWP extra-large suspension link. and self-closing LHWP safety load hook for 4-leg attachment.



Ideally suited for all applications with oversized crane hooks conforming to DIN 15401 and for general lifting purposes. Cathodic EPD provides extreme corrosion-protection.



VMWP
see page 116



LHWP
see page 123

WLL direct 0-45°		kg	5000	6300	10600	17000
WLL direct 45-60°		kg	3550	4500	7500	11800
Nominal size of chain		mm	7	8	10	13
Standard usable length	NL	m	1	1	1	1
Reference no.			492166	492171	492176	492181
Standard usable length	NL	m	1,5	1,5	1,5	1,5
Reference no.			492167	492172	492177	492182
Standard usable length	NL	m	2	2	2	2
Reference no.			492168	492173	492178	492183
Standard usable length	NL	m	3	3	3	3
Reference no.			492169	492174	492179	492184
Standard usable length	NL	m	4	4	4	4
Reference no.			492170	492175	492180	492185
Component suspension						
Type			VMWP	VMWP	VMWP	VMWP
Clear height	T	mm	190	190	230	275
Clearance	W	mm	110	110	130	150
Ring cross-sectional diameter	F	mm	27	27	33	38
Component end fitting						
Type			LHWP	LHWP	LHWP	LHWP
Hook base height	H	mm	25	25	31	41
Hook thickness	A	mm	25	25	28	34
Hook opening width	G	mm	34	34	45	54

- ▶ Hook with large jaw size
- ▶ Quality grade: 12
- ▶ Shortening: can be shortened
- ▶ WLL: 5 t to 26,25 t

Technical data

- ▶ **Operating temperature:**
-60 °C to +200 °C = 100 % working load limit;
+200 °C to +300 °C = 60 % working load limit
- ▶ **Standard:** Chain on the basis of DIN EN 818;
Chain components on the basis of
DIN EN 1677
- ▶ **Safety factor:** 4
- ▶ **Identification mark:** Batch number;
Quality grade no.; Quality grade and
carrying capacity symbol
- ▶ **Legs Quantity:** 4-leg
- ▶ **Chain surface:** cathodic dip-paint coating
- ▶ **Chain color:** black
- ▶ **Structural element surface:** powder-coated
- ▶ **Structural element colour:** blue

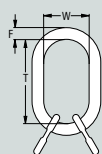
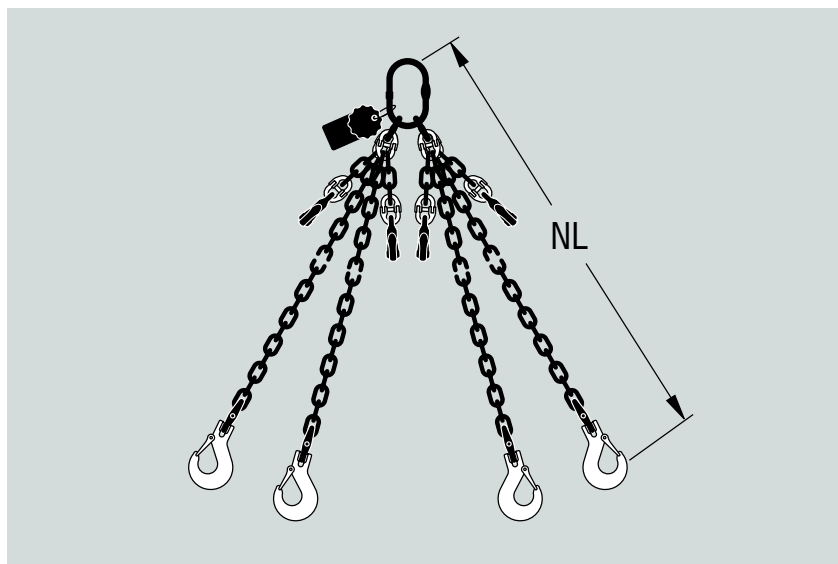
HIT PRO chain sling, 4-leg, can be shortened Standard hook

Chain sling with VMWP extra-large suspension link and PWP/KPWP shortener and KHSWP standard load hook with larger jaw size for 4-leg attachment.

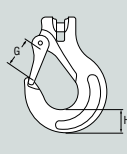
Ideally suited for demanding applications with oversized crane hooks and for general lifting purposes.

The shortener enables horizontal alignment of the load in multi-leg attachment even with difficult transport procedures as well as suitable adjustment of the load for assemblies.

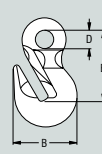
Cathodic EPD provides extreme corrosion-protection.



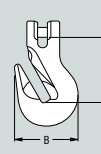
VMWP
see page 116





KHSWP
see page 121



PWP
see page 125



KPWP
see page 127

WLL direct 0-45°		kg	5000	6300	10600	17000	26250
WLL direct 45-60°		kg	3550	4500	7500	11800	18750
Nominal size of chain		mm	7	8	10	13	16
Standard usable length	NL	m	1	1	1	-	-
Reference no.			492186	492191	492196	-	-
Standard usable length	NL	m	1,5	1,5	1,5	1,5	1,5
Reference no.			492187	492192	492197	492201	492311
Standard usable length	NL	m	2	2	2	2	2
Reference no.			492188	492193	492198	492202	492312
Standard usable length	NL	m	3	3	3	3	3
Reference no.			492189	492194	492199	492203	492313
Standard usable length	NL	m	4	4	4	4	4
Reference no.			492190	492195	492200	492204	492314
Component suspension							
Type			VMWP	VMWP	VMWP	VMWP	VMWP
Clear height	T	mm	190	190	230	275	275
Clearance	W	mm	110	110	130	150	150
Ring cross-sectional diameter	F	mm	27	27	33	38	38
Component shortening							
Type			PWP	PWP	PWP	PWP	KPWP
Component end fitting							
Type			KHSWP	KHSWP	KHSWP	KHSWP	KHSWP
Hook base height	H	mm	26	26	33	43	51
Hook opening width	G	mm	36	36	41	49	59

- ▶ Self-closing safety load hook
- ▶ Quality grade: 12
- ▶ Shortening: can be shortened
- ▶ WLL: 5 t to 17 t

Technical data

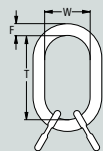
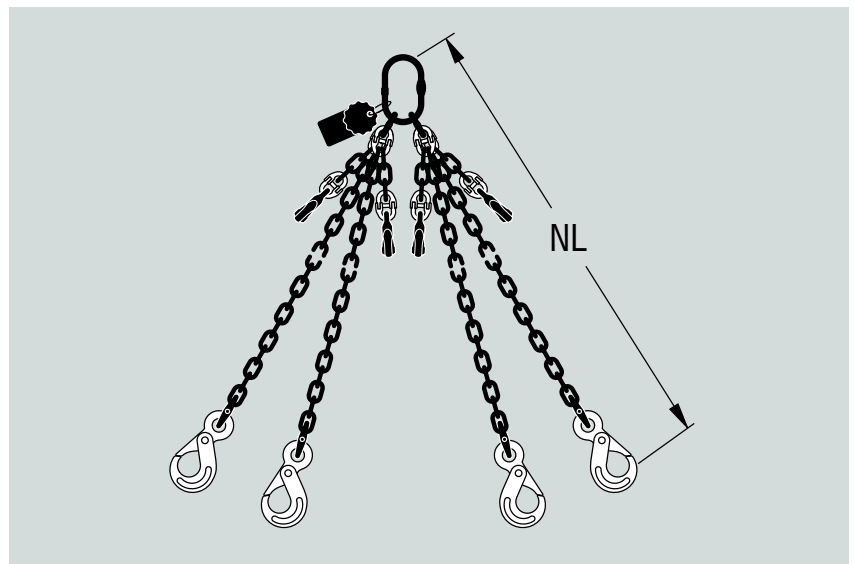
- ▶ **Operating temperature:**
-60 °C to +200 °C = 100 % working load limit;
+200 °C to +300 °C = 60 % working load limit
- ▶ **Standard:** Chain on the basis of DIN EN 818;
Chain components on the basis of
DIN EN 1677
- ▶ **Safety factor:** 4
- ▶ **Identification mark:** Batch number;
Quality grade no.; Quality grade and
carrying capacity symbol
- ▶ **Legs Quantity:** 4-leg
- ▶ **Chain surface:** cathodic dip-paint coating
- ▶ **Chain color:** black
- ▶ **Structural element surface:** powder-coated
- ▶ **Structural element colour:** blue

HIT PRO chain sling, 4-leg, can be shortened Safety load hook

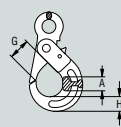
Chain sling with VMWP oversized suspension link, PWP shortener and self-closing LHWP safety load hook for 4-leg attachment. Ideally suited for demanding applications with oversized crane hooks and for general lifting purposes.

The shortener enables horizontal alignment of the load in multi-leg attachment even with difficult transport procedures as well as suitable adjustment of the load for assemblies.

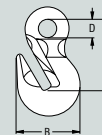
Cathodic EPD provides extreme corrosion-protection.





VMWP
see page 116



LHWP
see page 123



PWP
see page 125

WLL direct 0-45°		kg	5000	6300	10600	17000
WLL direct 45-60°		kg	3550	4500	7500	11800
Nominal size of chain		mm	7	8	10	13
Standard usable length	NL	m	1	1	1	-
Reference no.			492205	492210	492215	-
Standard usable length	NL	m	1,5	1,5	1,5	1,5
Reference no.			492206	492211	492216	492220
Standard usable length	NL	m	2	2	2	2
Reference no.			492207	492212	492217	492221
Standard usable length	NL	m	3	3	3	3
Reference no.			492208	492213	492218	492222
Standard usable length	NL	m	4	4	4	4
Reference no.			492209	492214	492219	492223
Component suspension						
Type			VMWP	VMWP	VMWP	VMWP
Clear height	T	mm	190	190	230	275
Clearance	W	mm	110	110	130	150
Ring cross-sectional diameter	F	mm	27	27	33	38
Component shortening						
Type			PWP	PWP	PWP	PWP
Component end fitting						
Type			LHWP	LHWP	LHWP	LHWP
Hook base height	H	mm	25	25	31	41
Hook thickness	A	mm	25	25	28	34
Hook opening width	G	mm	34	34	45	54

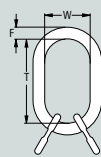
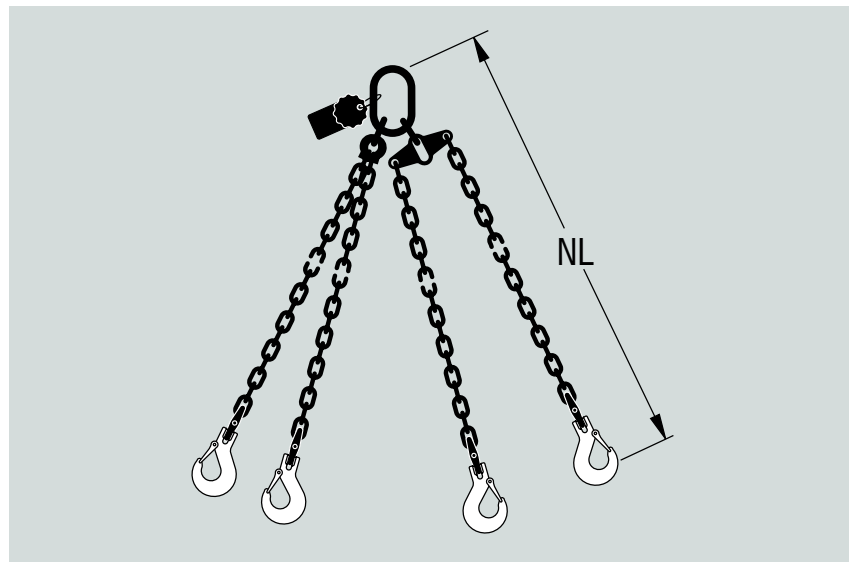
- ▶ Hook with large jaw size
- ▶ Quality grade: 12
- ▶ Shortening: cannot be shortened
- ▶ WLL: 6,7 t to 14 t

Technical data

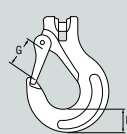
- ▶ **Operating temperature:**
-60 °C to +200 °C = 100 % working load limit;
+200 °C to +300 °C = 60 % working load limit
- ▶ **Standard:** Chain on the basis of DIN EN 818;
Chain components on the basis of
DIN EN 1677
- ▶ **Safety factor:** 4
- ▶ **Identification mark:** Batch number and
serial number; Quality grade no.; Quality
grade and carrying capacity symbol
- ▶ **Legs Quantity:** 4-leg
- ▶ **Chain surface:** cathodic dip-paint coating
- ▶ **Chain color:** black
- ▶ **Structural element surface:** powder-coated
- ▶ **Structural element colour:** blue

HIT PRO chain balancing suspension gear with rocker 4-leg

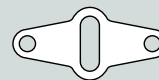
Chain balancing suspension gear with VMWP extra-large suspension link, balancing rocker for increased working load limit and KHSWP standard load hook with larger jaw size for 4-leg attachment. The balancing rocker compensates for the admissible length tolerances of chain legs in 4-leg assemblies, achieving working load limits with 4 load-bearing legs and symmetrical loading. Ideally suited for all applications with oversized crane hooks conforming to DIN 15401 and for general lifting purposes. Cathodic EPD provides extreme corrosion-protection.





VMWP
see page 116



KHSWP
see page 121



Rocker
see page 120

WLL direct 0-45°		kg	6700	8500	14000
WLL direct 45-60°		kg	4750	6000	10000
Nominal size of chain		mm	7	8	10
Standard usable length	NL	m	1	1	1
Reference no.			492224	492229	492234
Standard usable length	NL	m	1,5	1,5	1,5
Reference no.			492225	492230	492235
Standard usable length	NL	m	2	2	2
Reference no.			492226	492231	492236
Standard usable length	NL	m	3	3	3
Reference no.			492227	492232	492237
Standard usable length	NL	m	4	4	4
Reference no.			492228	492233	492238
Component suspension					
Type			VMWP	VMWP	VMWP
Clear height	T	mm	190	190	275
Clearance	W	mm	110	110	150
Ring cross-sectional diameter	F	mm	27	27	38
Component compensation					
Type			Rocker	Rocker	Rocker
Component end fitting					
Type			KHSWP	KHSWP	KHSWP
Hook base height	H	mm	26	26	33
Hook opening width	G	mm	36	36	41

- ▶ Hook with large jaw size
- ▶ Quality grade: 12
- ▶ Shortening: can be shortened
- ▶ WLL: 6,7 t to 14 t

Technical data

- ▶ **Operating temperature:**
 - 60 °C to +200 °C = 100 % working load limit;
 - +200 °C to +300 °C = 60 % working load limit
- ▶ **Standard:** Chain on the basis of DIN EN 818; Chain components on the basis of DIN EN 1677
- ▶ **Safety factor:** 4
- ▶ **Identification mark:** Batch number and serial number; Quality grade no.; Quality grade and carrying capacity symbol
- ▶ **Legs Quantity:** 4-leg
- ▶ **Chain surface:** cathodic dip-paint coating
- ▶ **Chain color:** black
- ▶ **Structural element surface:** powder-coated
- ▶ **Structural element colour:** blue

HIT PRO chain balancing suspension gear with rocker 4-leg – can be shortened

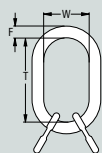
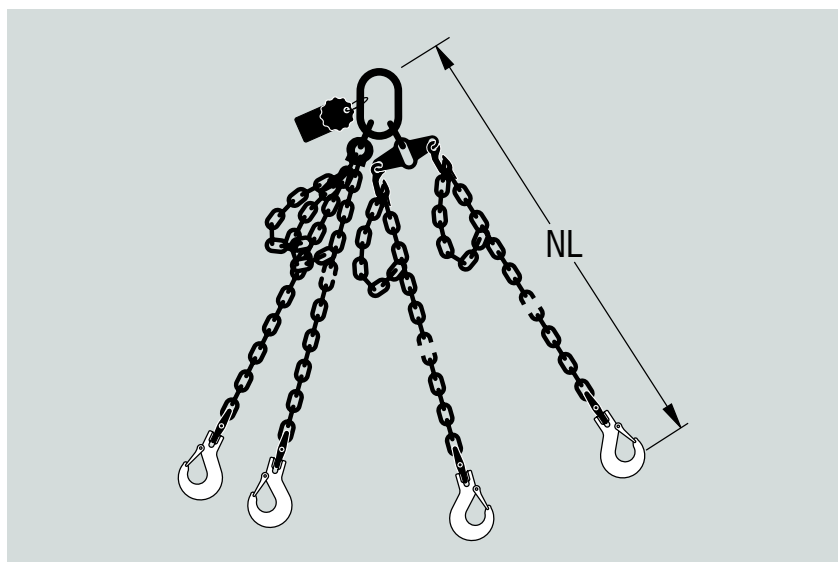
Chain balancing suspension gear with VMWP extra-large suspension link, balancing rocker for increased working load limit, integrated PWD shortener and KHSWP standard load hook with larger jaw size for 4-leg attachment.

The shortener enables horizontal alignment of the load in multi-leg attachment even with difficult transport procedures as well as suitable adjustment of the load for assemblies.

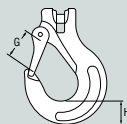
The balancing rocker compensates for the admissible length tolerances of chain legs in 4-leg assemblies, achieving working load limits with 4 load-bearing legs and symmetrical loading.

Ideally suited for demanding applications with oversized crane hooks and for general lifting purposes.

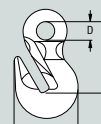
Cathodic EPD provides extreme corrosion-protection.



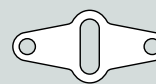
VMWP
see page 116





KHSWP
see page 121



PWP
see page 125



Rocker
see page 120

WLL direct 0-45°		kg	6700	8500	14000
WLL direct 45-60°		kg	4750	6000	10000
Nominal size of chain		mm	7	8	10
Standard usable length	NL	m	1	1	1
Reference no.			492239	492244	492249
Standard usable length	NL	m	1,5	1,5	1,5
Reference no.			492240	492245	492250
Standard usable length	NL	m	2	2	2
Reference no.			492241	492246	492251
Standard usable length	NL	m	3	3	3
Reference no.			492242	492247	492252
Standard usable length	NL	m	4	4	4
Reference no.			492243	492248	492253
Component suspension					
Type			VMWP	VMWP	VMWP
Clear height	T	mm	190	190	275
Clearance	W	mm	110	110	150
Ring cross-sectional diameter	F	mm	27	27	38
Component shortening					
Type			PWP	PWP	PWP
Component compensation					
Type			Rocker	Rocker	Rocker
Component end fitting					
Type			KHSWP	KHSWP	KHSWP
Hook base height	H	mm	26	26	33
Hook opening width	G	mm	36	36	41

- ▶ Hook with large jaw size
- ▶ Quality grade: 12
- ▶ Shortening: cannot be shortened
- ▶ WLL: 3,35 t to 7 t

Technical data

- ▶ **Operating temperature:**
 - 60 °C to +200 °C = 100 % working load limit;
 - +200 °C to +300 °C = 60 % working load limit
- ▶ **Standard:** Chain on the basis of DIN EN 818;
Chain components on the basis of
DIN EN 1677
- ▶ **Safety factor:** 4
- ▶ **Identification mark:** Batch number and
serial number; Quality grade no.;
- ▶ **Quality grade and carrying capacity symbol**
- ▶ **Legs Quantity:** 2 x 2-leg
- ▶ **Chain surface:** cathodic dip-paint coating
- ▶ **Chain color:** black
- ▶ **Structural element surface:** powder-coated
- ▶ **Structural element colour:** blue

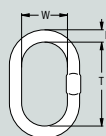
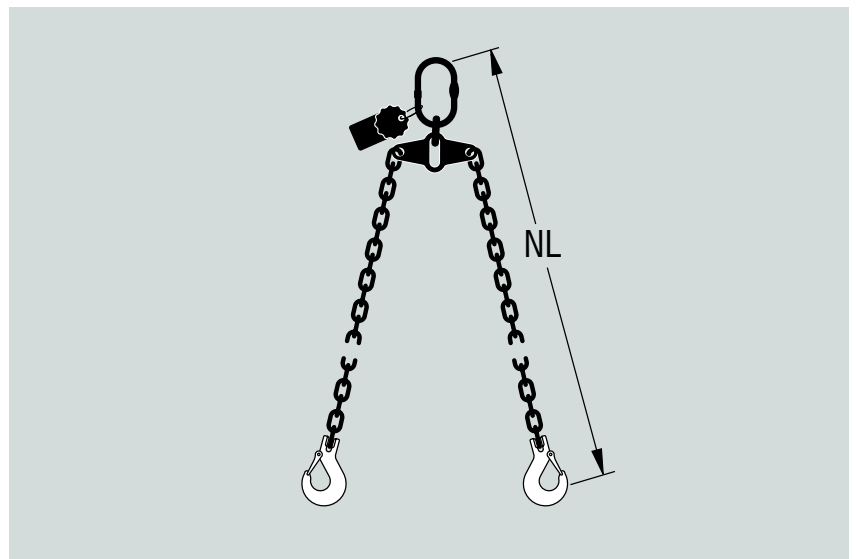
HIT PRO – chain balancing suspension gear with rocker

Chain balancing suspension gear can be used with standard MWP suspension link and balancing rocker for increased working load limit and KHSWP standard load hook with larger jaw size in combination with 2-leg chain sling or 2-leg chain sling with rocker. For individual use the working load limit of the individual 2-leg suspensions applies.

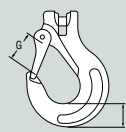
The balancing rocker compensates for the admissible length tolerances of chain legs in 4-leg assemblies, achieving working load limits with 4 load-bearing legs and symmetrical loading.

Ideally suited for all demanding applications with standard crane hooks and for general lifting purposes.

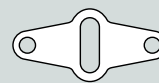
Cathodic EPD provides extreme corrosion-protection.




MWP
see page 115



KHSWP
see page 121



Rocker
see page 120

WLL direct 0-45°		kg	3350	4250	7000
Nominal size of chain		mm	7	8	10
Standard usable length	NL	m	1	1	1
Reference no.			492254	492258	492262
Standard usable length	NL	m	1,5	1,5	1,5
Reference no.			492255	492259	492263
Standard usable length	NL	m	2	2	2
Reference no.			492256	492260	492264
Standard usable length	NL	m	3	3	3
Reference no.			492257	492261	492265
Standard usable length	NL	m	4	4	4
Reference no.			500096	500101	500103
Component suspension					
Type			MWP	MWP	MWP
Clear height	T	mm	160	160	190
Clearance	W	mm	95	95	110
Ring cross-sectional diameter	F	mm	19	19	27
Component compensation					
Type			Rocker	Rocker	Rocker
Component end fitting					
Type			KHSWP	KHSWP	KHSWP
Hook base height	H	mm	26	26	33
Hook opening width	G	mm	36	36	41

- ▶ Hook with large jaw size
- ▶ Quality grade: 12
- ▶ Shortening: can be shortened
- ▶ WLL: 6,7 t to 14 t

Technical data

- ▶ **Operating temperature:**
 - 60 °C to +200 °C = 100 % working load limit;
 - +200 °C to +300 °C = 60 % working load limit
- ▶ **Standard:** Chain on the basis of DIN EN 818;
Chain components on the basis of
DIN EN 1677
- ▶ **Safety factor:** 4
- ▶ **Identification mark:** Batch number and
serial number; Quality grade no.;
- ▶ **Chain surface:** cathodic dip-paint coating
- ▶ **Chain color:** black
- ▶ **Structural element surface:** powder-coated
- ▶ **Structural element colour:** blue

HIT PRO – chain balancing suspension gear with rocker

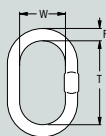
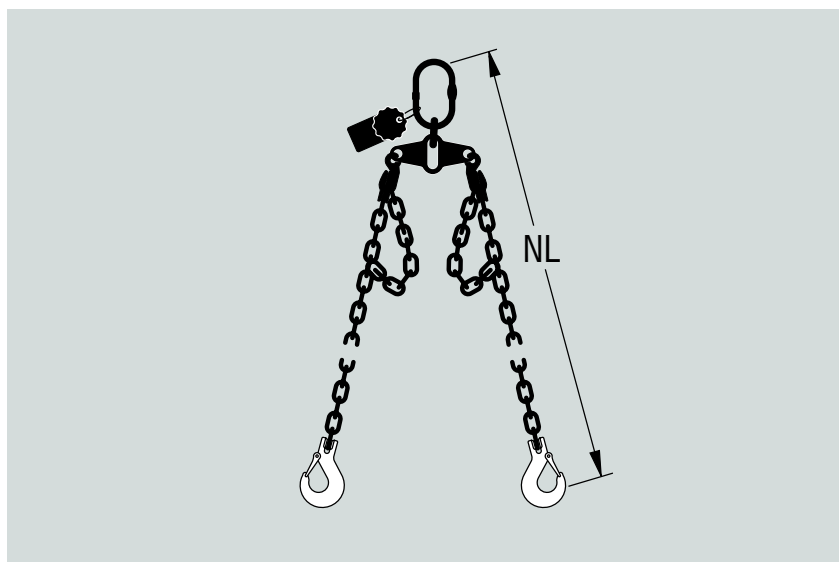
Chain balancing suspension gear can be used with standard MWP suspension link and balancing rocker for increased working load limit, integrated shortener and KHSWP standard load hook with larger jaw size in combination with 2-leg chain sling or 2-leg chain sling with rocker.

For individual use the working load limit of the individual 2-leg suspensions applies.

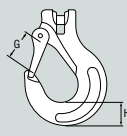
The shortener enables horizontal alignment of the load in multi-leg attachment even with difficult transport procedures as well as suitable adjustment of the load for assemblies.

Ideally suited for all demanding applications with standard crane hooks and for general lifting purposes.

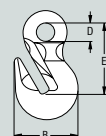
Cathodic EPD provides extreme corrosion-protection.



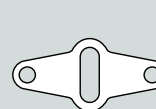
MWP
see page 115




KHSWP
see page 121



PWP
see page 125



Rocker
see page 120

WLL direct 0-45°		kg	6700	8500	14000
Nominal size of chain		mm	7	8	10
Standard usable length	NL	m	1	1	1
Reference no.			492266	492270	492274
Standard usable length	NL	m	1,5	1,5	1,5
Reference no.			492267	492271	492275
Standard usable length	NL	m	2	2	2
Reference no.			492268	492272	492276
Standard usable length	NL	m	3	3	3
Reference no.			492269	492273	492277
Standard usable length	NL	m	4	4	4
Reference no.			500100	500102	500106
Component suspension					
Type			MWP	MWP	MWP
Clear height	T	mm	160	160	190
Clearance	W	mm	95	95	110
Ring cross-sectional diameter	F	mm	19	19	27
Component shortening					
Type			PWP	PWP	PWP
Component compensation					
Type			Rocker	Rocker	Rocker
Component end fitting					
Type			KHSWP	KHSWP	KHSWP
Hook base height	H	mm	26	26	33
Hook opening width	G	mm	36	36	41

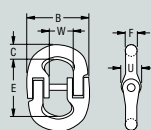
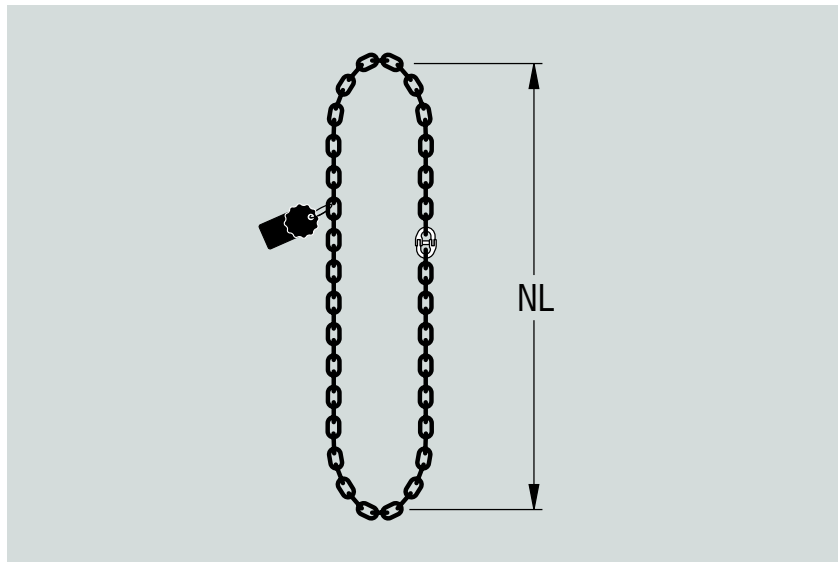
- ▶ **Quality grade: 12**
- ▶ **Shortening: cannot be shortened**
- ▶ **WLL: 3,75 t to 20 t**

Technical data


- ▶ **Operating temperature:** -60 °C to +300 °C
- ▶ **Standard:** Chain on the basis of DIN EN 818;
Chain components on the basis of
DIN EN 1677
- ▶ **Safety factor:** 4
- ▶ **Identification mark:** Batch number and
serial number; Quality grade no.;
- ▶ **Quality grade and carrying capacity symbol**
- ▶ **Legs Quantity:** endless
- ▶ **Chain surface:** cathodic dip-paint coating
- ▶ **Chain color:** black
- ▶ **Structural element surface:** powder-coated
- ▶ **Structural element colour:** blue

HIT PRO chain sling

Chain sling in simple endless design for choker hitches. Cathodic EPD provides extreme corrosion-protection.



CWP
see page 119

WLL strapped		kg	3750	4750	8000	12500	20000
Nominal size of chain		mm	7	8	10	13	16
Standard usable length	NL	m	1	1	1	1	1
Reference no.			492024	492029	492034	492039	492283
Standard usable length	NL	m	1,5	1,5	1,5	1,5	1,5
Reference no.			492025	492030	492035	492040	492284
Standard usable length	NL	m	2	2	2	2	2
Reference no.			492026	492031	492036	492041	492285
Standard usable length	NL	m	3	3	3	3	3
Reference no.			492027	492032	492037	492042	492286
Standard usable length	NL	m	4	4	4	4	4
Reference no.			492028	492033	492038	492043	492287

Please always specify the reference number and effective length NL when ordering!

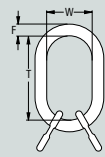
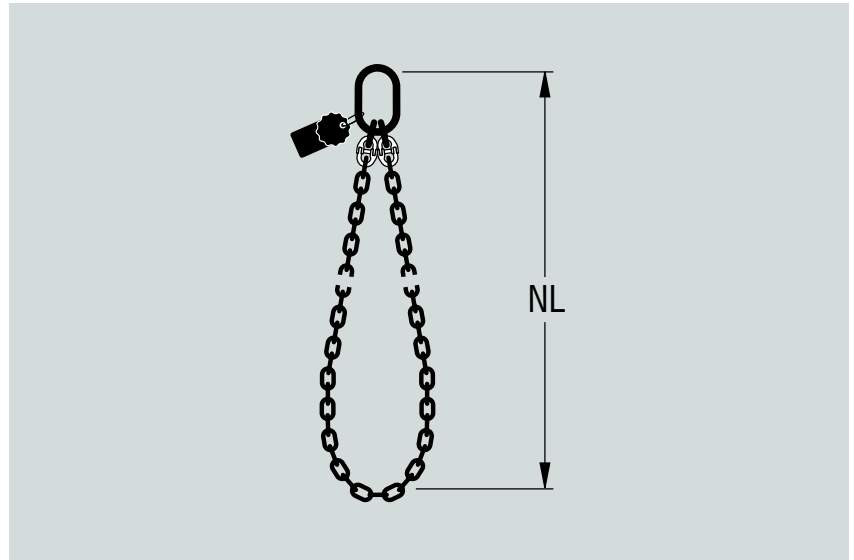
- ▶ **Quality grade: 12**
- ▶ **Shortening: cannot be shortened**
- ▶ **WLL: 3,75 t to 20 t**

Technical data

- ▶ **Operating temperature:** -60 °C to +300 °C
- ▶ **Standard:** Chain on the basis of DIN EN 818;
Chain components on the basis of DIN EN 1677
- ▶ **Safety factor:** 4
- ▶ **Identification mark:** Batch number;
Quality grade no.; Quality grade and carrying capacity symbol
- ▶ **Legs Quantity:** endless
- ▶ **Chain surface:** cathodic dip-paint coating
- ▶ **Chain color:** black
- ▶ **Structural element surface:** powder-coated
- ▶ **Structural element colour:** blue

HIT PRO basket chain

Chain sling in simple endless design for choker hitches. Cathodic EPD provides extreme corrosion-protection.



VMWP
see page 116

WLL strapped		kg	3750	4250	8000	12300	20000
Nominal size of chain		mm	7	8	10	13	16
Standard usable length	NL	m	1	1	1	1	1
Reference no.			492044	492049	492054	492059	492288
Standard usable length	NL	m	1,5	1,5	1,5	1,5	1,5
Reference no.			492045	492050	492055	492060	492289
Standard usable length	NL	m	2	2	2	2	2
Reference no.			492046	492051	492056	492061	492290
Standard usable length	NL	m	3	3	3	3	3
Reference no.			492047	492052	492057	492062	492291
Standard usable length	NL	m	4	4	4	4	4
Reference no.			492048	492053	492058	492063	492292
Component suspension							
Type			VMWP	VMWP	VMWP	VMWP	VMWP
Clear height	T	mm	160	160	190	230	275
Clearance	W	mm	95	95	110	130	150
Ring cross-sectional diameter	F	mm	19	19	27	33	38

Please always specify the reference number and effective length NL when ordering!

- ▶ Easy handling with extremely high carrying capacity
- ▶ Quality grade: 12
- ▶ WLL: 2,36 t to 12,5 t

Technical data

- ▶ **Operating temperature:**
-60 °C to +200 °C = 100 % working load limit;
+200 °C to +300 °C = 60 % working load limit
- ▶ **Standard:** Based on DIN EN 818
- ▶ **Safety factor:** 4
- ▶ **Identification mark:** Batch number;
Quality grade no.
- ▶ **Surface:** cathodic dip-paint coating
- ▶ **Certification:** D-stamp
- ▶ **Colour:** black

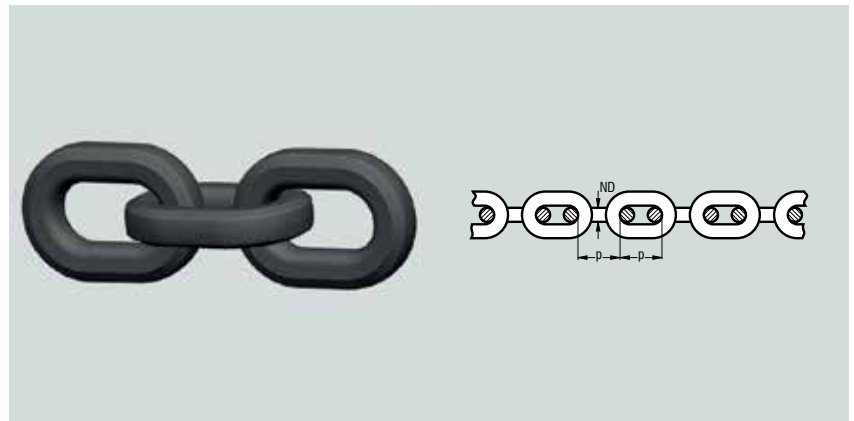
HIT PRO profile steel chain

Innovative quality chain sling for installation into chain suspension gear.

Its innovative profile with intelligent use of material at the same cross section offers substantially improved characteristics such as e.g. increased bending strength and significant weight savings. The XLL coating offers extreme corrosion-protection, particular suitability for electromagnetic crack testing and maximum adherence as specified in the ISO 2409, DIN 53 151, ASTM 3002, ASTM 3359 cross-cut test (abrasion resistance of coating, impact strength, etc.), no problem with abrasion or flaking as with powder coating and hence no troublesome paint particles.

The patented material with optimised strength and toughness properties allows its use even at low temperatures.

The revolutionary technology of HIT PRO is distinguished by a unique durability, especially in harsh edge conditions.



WLL		kg	2360	3000	5000	8000	12500
Nominal size of chain	ND	mm	7	8	10	13	16
Chain pitch	p		22	25	33	41	51
Reference no.			229120	229121	229122	229123	288912

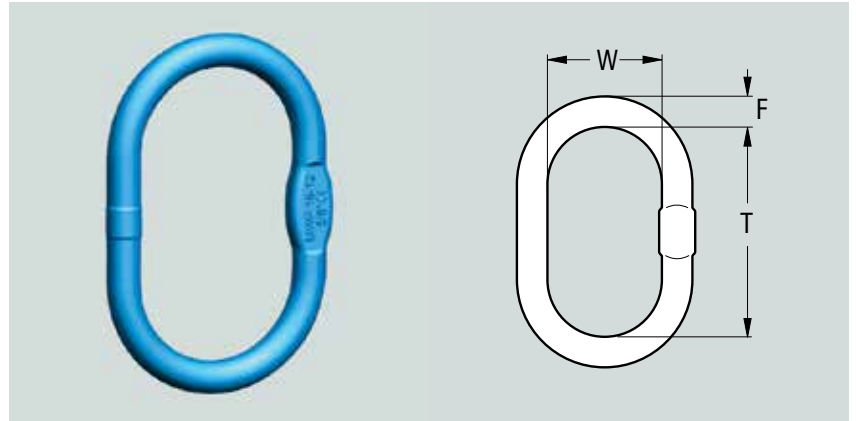
- ▶ Large interior width
- ▶ Quality grade: 12
- ▶ WLL: 2,36 t to 12,5 t

Technical data

- ▶ **Operating temperature:**
 -60 °C to +200 °C = 100 % working load limit;
 +200 °C to +300 °C = 60 % working load limit
- ▶ **Standard:** on the basis of DIN EN 1677
- ▶ **Safety factor:** 4
- ▶ **Identification mark:** Batch number
- ▶ **Surface:** powder-coated
- ▶ **Colour:** blue
- ▶ **Type:** Standard

HIT PRO MWP large suspension link single-leg

Suspension link with large interior width especially for large crane hooks for single leg chain slings.



WLL direct		kg	2360	3200	5000	10100	12500
for nominal size of chain single-leg		mm	7	8	10	13	16
Single crane hook up to no. (DIN 15401)			4	5	6	10	10
Double crane hook up to no. (DIN 15402)			5	6	8	12	25
Ring cross-sectional diameter	F	mm	14	17	19	27	30
Clear height	T	mm	120	140	160	190	200
Clearance	W	mm	70	80	95	110	110
Weight approx.		kg	0,44	0,67	1,21	2,65	3,33
Reference no.			228947	228948	228949	228950	288915

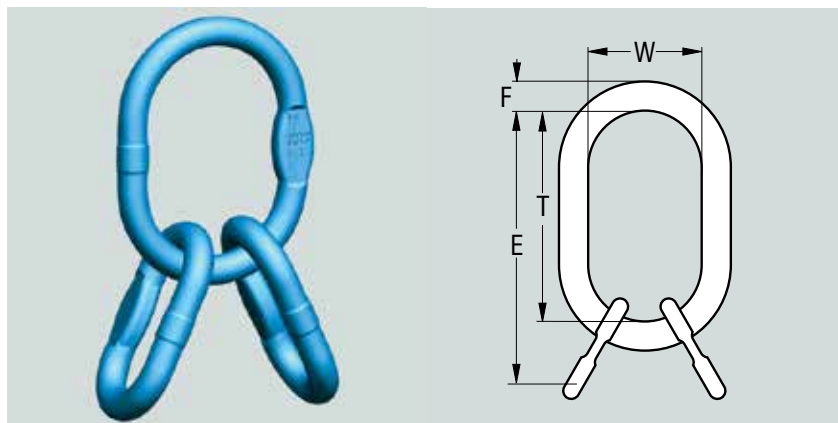
- ▶ **Quality grade: 12**
- ▶ **WLL: 4,25 t to 26,5 t**

Technical data

- ▶ **Operating temperature:**
 - 60 °C to +200 °C = 100 % working load limit;
 - +200 °C to +300 °C = 60 % working load limit
- ▶ **Standard:** on the basis of DIN EN 1677
- ▶ **Safety factor:** 4
- ▶ **Identification mark:** Batch number
- ▶ **Surface:** powder-coated
- ▶ **Colour:** blue
- ▶ **Type:** standard

HIT PRO VMWP suspension link 2 to 4-leg

Standard suspension link for 2- and 4-leg chain slings.



WLL 0-45°		kg	4250	8800	12300	21200	26500
for nominal size of chain 2-leg		mm	7	10	13	16	-
for nominal size of chain 3-/4-leg		mm	-	8	10	13	16
Single crane hook up to no. (DIN 15401)			6	10	12	20	20
Double crane hook up to no. (DIN 15402)			8	12	16	25	25
Ring cross-sectional diameter	F	mm	19	27	33	38	38
Clear height	T	mm	160	190	230	275	275
Clearance	W	mm	95	110	130	150	150
Suspension point distance	E	mm	214	260	315	415	425
Weight approx.		kg	1,55	3,37	6,28	11,12	13,8
Reference no.			228951	228952	228953	228954	289178

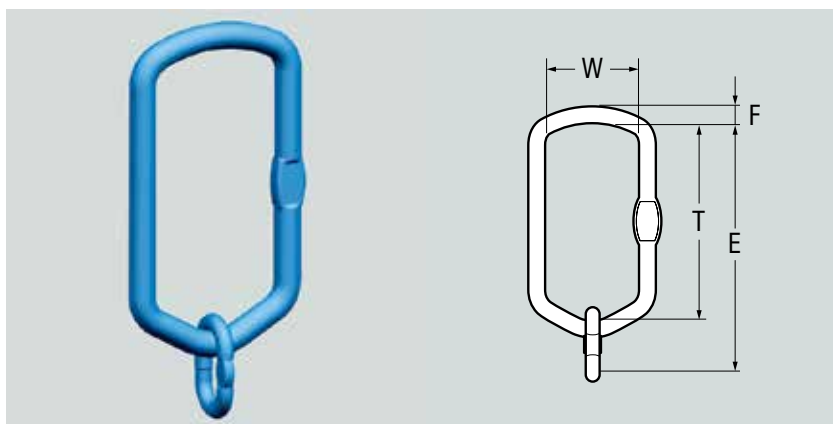
- ▶ Large interior width
- ▶ Quality grade: 12
- ▶ WLL: 3 t to 12,5 t

Technical data

- ▶ **Operating temperature:**
 -60 °C to +200 °C = 100 % working load limit;
 +200 °C to +300 °C = 60 % working load limit
- ▶ **Standard:** on the basis of DIN EN 1677
- ▶ **Safety factor:** 4
- ▶ **Identification mark:** Batch number
- ▶ **Surface:** powder-coated
- ▶ **Colour:** blue

HIT PRO VLWP extra-large suspension link single-leg

Suspension link with innovative shape and large interior width especially for large crane hooks for single leg chain slings.



WLL		kg	3000	5000	8000	12500
for nominal size of chain		mm	8	10	13	16
Single crane hook up to no. (DIN 15401)			25	25	25	25
Double crane hook up to no. (DIN 15402)			32	32	32	32
Ring cross-sectional diameter	F	mm	23	26	28	33
Clear height	T	mm	340	340	340	340
Clearance	W	mm	155	155	155	155
Suspension point distance	E	mm	394	410	340	340
Weight approx.		kg	3,37	3,56	4,4	6,6
Reference no.			321298	321299	321300	321301

- ▶ Large interior width
- ▶ Estimation of the present inclination angle
- ▶ Quality grade: 12
- ▶ WLL: 4,25 t to 26,5 t

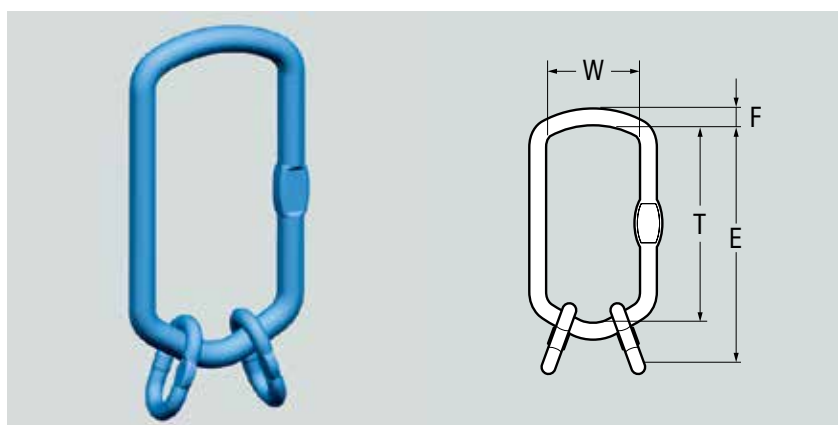
Technical data

- ▶ **Operating temperature:**
-60 °C to +200 °C = 100 % working load limit;
+200 °C to +300 °C = 60 % working load limit
- ▶ **Standard:** on the basis of DIN EN 1677
- ▶ **Safety factor:** 4
- ▶ **Identification mark:** Batch number
- ▶ **Surface:** powder-coated
- ▶ **Colour:** blue

HIT PRO VLWP extra-large suspension link 2 to 4-leg

Suspension link with innovative shape and large interior width especially for large crane hooks for 2- and 4-leg chain slings.

The V-shaped geometry in the lower area of the suspension ring is used for the simple and rapid appreciation of the gear inclination angle, which means that errors in judgement can be greatly reduced!



WLL 0-45°		kg	4250	7100	11200	17000	17500	26500
for nominal size of chain 2-leg		mm	8	10	13	-	16	-
for nominal size of chain 3-/4-leg		mm	-	8	10	13	-	16
Single crane hook up to no. (DIN 15401)			25	25	25	25	25	25
Double crane hook up to no. (DIN 15402)			32	32	32	32	32	32
Ring cross-sectional diameter	F	mm	23	27	33	38	38	40
Clear height	T	mm	340	340	340	340	340	340
Clearance	W	mm	155	155	155	155	155	155
Suspension point distance	E	mm	394	410	425	480	340	490
Weight approx.		kg	3,6	5,2	8	12,8	8,9	16,3
Reference no.			321476	321480	321481	321482	321483	321485

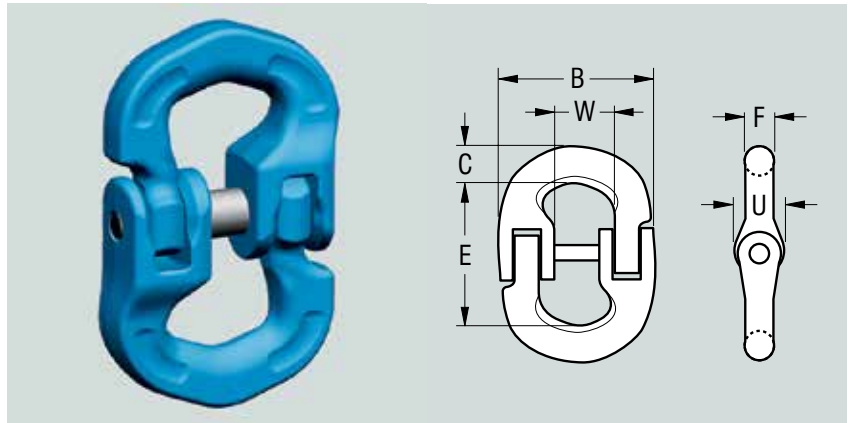
- ▶ **Rapid connection of attachment components**
- ▶ **Quality grade: 12**
- ▶ **WLL: 2,36 t to 12,5 t**

Technical data

- ▶ **Operating temperature:**
 -60 °C to +200 °C = 100 % working load limit;
 +200 °C to +300 °C = 60 % working load limit
- ▶ **Standard:** on the basis of DIN EN 1677
- ▶ **Safety factor:** 4
- ▶ **Identification mark:** Batch number
- ▶ **Surface:** powder-coated
- ▶ **Colour:** blue

HIT PRO CWP universal connecting link

Connecting link for rapid connection of attachment components.



WLL		kg	2360	3000	5000	8000	12500
for nominal size of chain		mm	7	8	10	13	16
Ring cross-sectional diameter	F	mm	9	10	13	17	21
Clearance	W	mm	17	20	22	25	48
Structural element width	B	mm	47	58	66	84	120
Bracket height	C	mm	12	14	18	22	27
Body thickness	U	mm	16	20	25	34	41
Suspension point distance	E	mm	63	62	78	107	128
Weight approx.		kg	0,24	0,3	0,57	1,43	2,26
Reference no.			228955	228956	228957	228958	289384

- ▶ Increase of the working load limit in the 4-leg suspension gear
- ▶ Quality grade: 12

Technical data

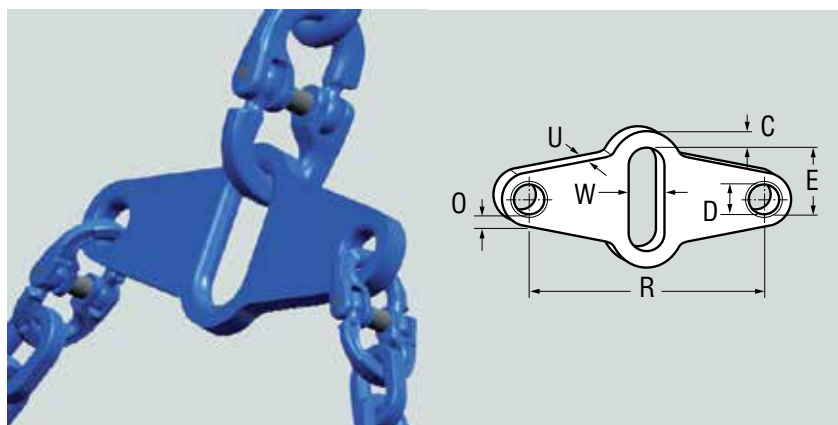
- ▶ **Operating temperature:**
-60 °C to +200 °C = 100 % working load limit;
+200 °C to +300 °C = 60 % working load limit
- ▶ **Standard:** on the basis of DIN EN 1677
- ▶ **Safety factor:** 4
- ▶ **Identification mark:** Batch number
- ▶ **Surface:** powder-coated
- ▶ **Colour:** blue

HIT PRO balancing rocker

Balancing rocker to increase of the working load limit in the 4-leg suspension gear.

The balancing rocker compensates for the admissible length tolerances of chain legs in 4-leg assemblies, achieving working load limits with 4 load-bearing legs and symmetrical loading.

Rotating the rocker by 180° can double the service life.



for nominal size of chain		mm	8	10
Clearance	W	mm	25	32
Bracket height	C	mm	16	23
Body thickness	U	mm	15	15
Diameter Eye	D	mm	22	25
Eye width	O	mm	16	23
Drill hole distance	R	mm	210	180
Suspension point distance	E	mm	51	32
Weight approx.		kg	1,56	1,75
Reference no.			258981	258982

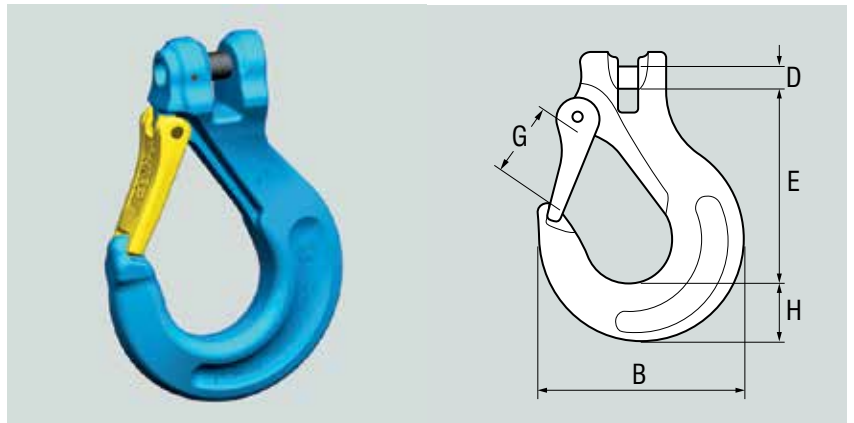
- ▶ **Quality grade: 12**
- ▶ **WLL: 2,36 t to 12,5 t**

Technical data

- ▶ **Operating temperature:**
 -60 °C to +200 °C = 100 % working load limit;
 +200 °C to +300 °C = 60 % working load limit
- ▶ **Standard:** on the basis of DIN EN 1677
- ▶ **Safety factor:** 4
- ▶ **Identification mark:** Batch number
- ▶ **Surface:** powder-coated
- ▶ **Colour:** blue
- ▶ **Type:** Standard

HIT PRO KHSWP coupling load hook

Hook with direct connection and standard-compliant forged safety latch.
 As end hook or suspension hook for simple and fast connection of the chain sling to the load.



WLL		kg	2360	3000	5000	8000	12500
for nominal size of chain		mm	7	8	10	13	16
Structural element width	B	mm	101	101	118	147	176
Diameter Eye	D	mm	9,5	10,7	14	17,5	21
Hook opening width	G	mm	36	36	41	49	59
Hook base height	H	mm	26	26	33	43	51
Suspension point distance	E	mm	105	105	121	148	173
Weight approx.		kg	0,85	0,84	1,68	2,99	5,1
Reference no.			271350	271351	271353	271354	289386

- ▶ **Quality grade: 12**
- ▶ **WLL: 3 t to 8 t**

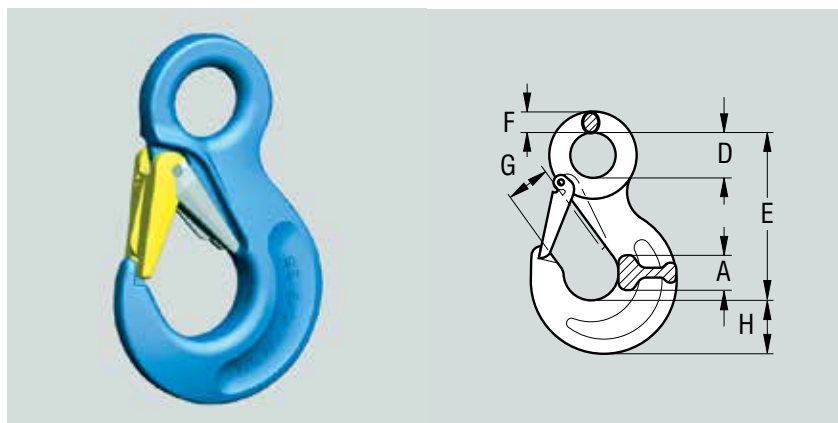
Technical data

- ▶ **Operating temperature:** -60 °C to +200 °C = 100 % working load limit;
+200 °C to +300 °C = 60 % working load limit
- ▶ **Standard:** on the basis of DIN EN 1677
- ▶ **Safety factor:** 4
- ▶ **Identification mark:** Batch number
- ▶ **Surface:** powder-coated
- ▶ **Colour:** blue

HIT PRO HSWP eye load hook

Standard load hook with eye connector and standard-compliant forged safety latch.

As end hook or suspension hook for simple and fast connection of the chain sling to the load.



WLL		kg	3000	5000	8000
for nominal size of chain		mm	8	10	13
Ring cross-sectional diameter	F	mm	11	16	19
Diameter Eye	D	mm	25	34	43
Hook opening width	G	mm	26	31	39
Hook base height	H	mm	27	33	43
Hook thickness	A	mm	19	26	33
Suspension point distance	E	mm	106	131	164
Weight approx.		kg	0,5	1,1	2,2
Reference no.			228959	228960	228961

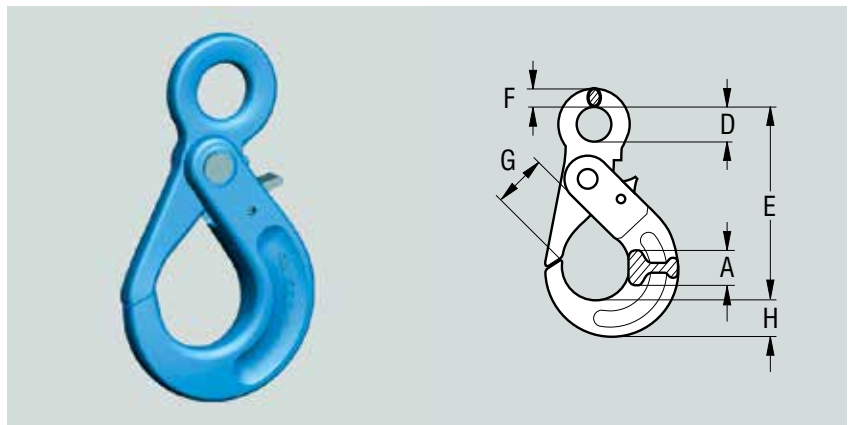
- ▶ **Self-closing**
- ▶ **Quality grade: 12**
- ▶ **WLL: 3 t to 8 t**

Technical data

- ▶ **Operating temperature:** -60 °C to +200 °C = 100 % working load limit;
 +200 °C to +300 °C = 60 % working load limit
- ▶ **Standard:** on the basis of DIN EN 1677
- ▶ **Safety factor:** 4
- ▶ **Identification mark:** Batch number
- ▶ **Surface:** powder-coated
- ▶ **Colour:** blue
- ▶ **Type:** Self-closing

HIT PRO LHWP safety eye load hook

Hook with eye connector, standard-compliant forged safety latch and intelligent locking system for increased safety. The locking system closes automatically and locks the hook safety latch which prevents inadvertent unhooking of the load, the hook stays closed even in the unloaded state. The lock is released at the back of the hook.



WLL		kg	3000	5000	8000
for nominal size of chain		mm	8	10	13
Ring cross-sectional diameter	F	mm	14	17	22
Diameter Eye	D	mm	25	31	40
Hook opening width	G	mm	34	45	54
Hook base height	H	mm	25	31	41
Hook thickness	A	mm	25	28	34
Suspension point distance	E	mm	126	158	205
Weight approx.		kg	0,9	1,6	3,3
Reference no.			228962	228963	228964

- ▶ Self-closing
- ▶ Quality grade: 12
- ▶ WLL: 2,36 t to 8 t

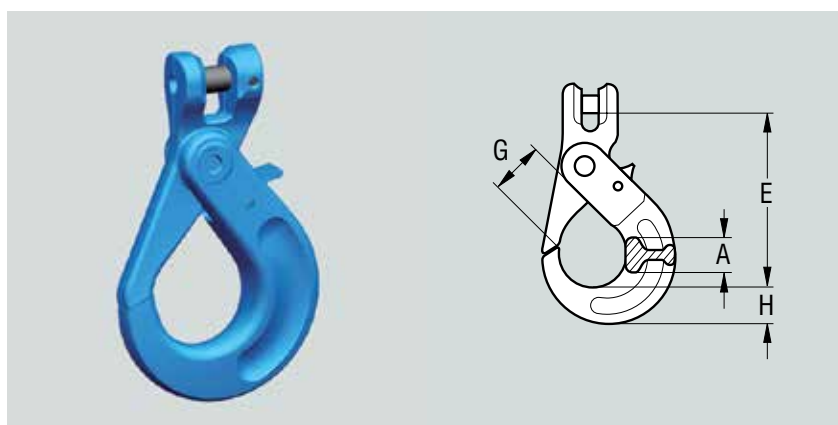
Technical data

- ▶ **Operating temperature:**
-60 °C to +200 °C = 100 % working load limit;
+200 °C to +300 °C = 60 % working load limit
- ▶ **Standard:** on the basis of DIN EN 1677
- ▶ **Safety factor:** 4
- ▶ **Identification mark:** Batch number
- ▶ **Surface:** powder-coated
- ▶ **Colour:** blue

HIT-KLHWP coupling safety load hook

Hook with direct connection and intelligent locking system for increased safety.

The locking system closes automatically and locks the hook safety latch which prevents inadvertent unhooking of the load, the hook stays closed even in the unloaded state. The lock is released at the back of the hook.



WLL		kg	2360	3000	5000	8000
for nominal size of chain		mm	7	8	10	13
Hook opening width	G	mm	32	32	45	54
Hook base height	H	mm	24,5	24,5	31,5	39,8
Hook thickness	A	mm	23,6	23,6	27,8	33,7
Suspension point distance	E	mm	116	115	136	179
Weight approx.		kg	0,89	0,9	1,6	3,42
Reference no.			328382	328383	328384	328385

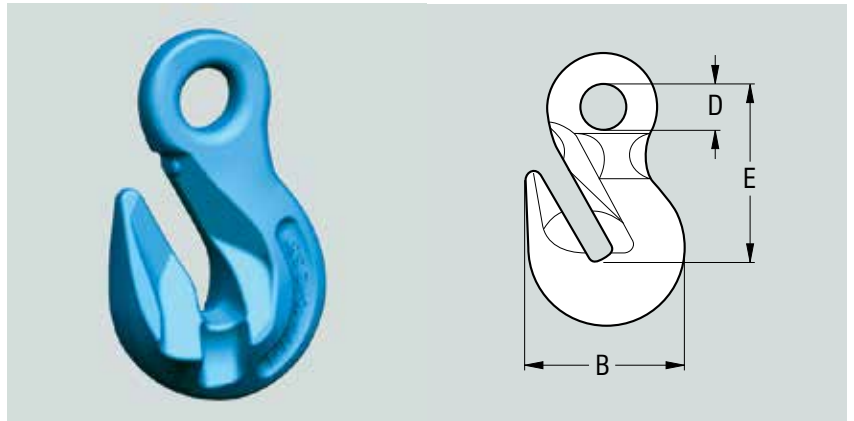
- ▶ **Quality grade: 12**
- ▶ **WLL: 3 t to 8 t**

Technical data

- ▶ **Operating temperature:**
 -60 °C to +200 °C = 100 % working load limit;
 +200 °C to +300 °C = 60 % working load limit
- ▶ **Standard:** on the basis of DIN EN 1677
- ▶ **Safety factor:** 4
- ▶ **Identification mark:** Batch number
- ▶ **Surface:** powder-coated
- ▶ **Colour:** blue

HIT PRO PWP parallel eye hook

Shortening hook with eye connector for easy, secure shortening of chain slings and for loops which should not tighten. The shortener enables horizontal alignment of the load in multi-leg attachment even with difficult transport procedures as well as suitable adjustment of the load for assemblies.



WLL		kg	3000	5000	8000
for nominal size of chain		mm	8	10	13
Structural element width	B	mm	63	81	103
Diameter Eye	D	mm	18	22	26
Suspension point distance	E	mm	68	88	110
Weight approx.		kg	0,48	1,03	2,1
Reference no.			228965	228966	228967

- ▶ with safety latch
- ▶ Quality grade: 12
- ▶ WLL: 3 t to 8 t

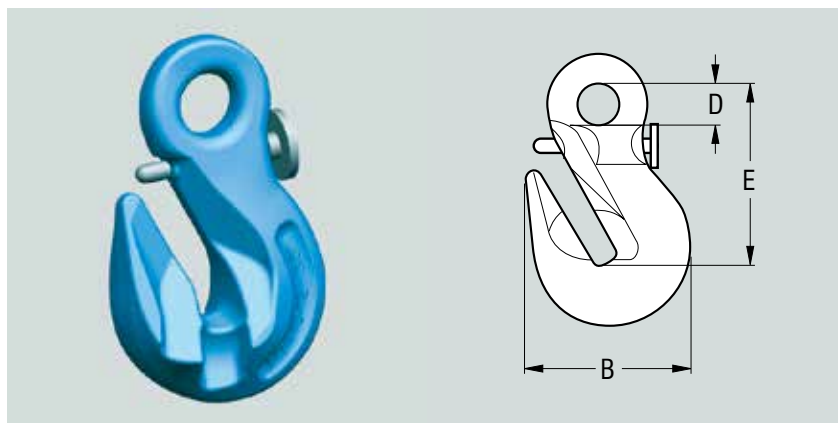
Technical data

- ▶ **Operating temperature:**
-60 °C to +200 °C = 100 % working load limit;
+200 °C to +300 °C = 60 % working load limit
- ▶ **Standard:** on the basis of DIN EN 1677
- ▶ **Safety factor:** 4
- ▶ **Identification mark:** Batch number
- ▶ **Surface:** powder-coated
- ▶ **Colour:** blue

HIT PRO PSWP parallel eye hook

Shortening hook with eye connector for easy, particularly secure shortening of chain slings and for loops which should not tighten. The safety latch protects against unintended unhooking of the chain.

The shortener enables horizontal alignment of the load in multi-leg attachment even with difficult transport procedures as well as suitable adjustment of the load for assemblies.



WLL		kg	3000	5000	8000
for nominal size of chain		mm	8	10	13
Structural element width	B	mm	63	81	103
Diameter Eye	D	mm	18	22	26
Suspension point distance	E	mm	68	88	110
Weight approx.		kg	0,53	1,05	1,89
Reference no.			228968	228969	228970

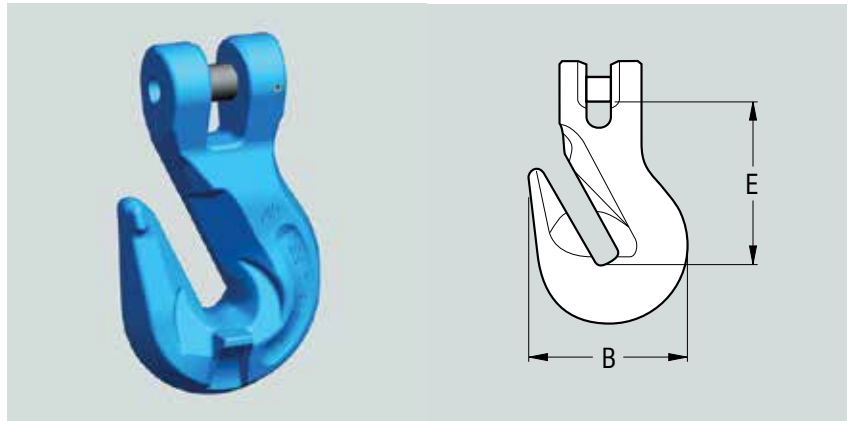
- ▶ **Quality grade: 12**
- ▶ **WLL: 3 t to 12,5 t**

Technical data

- ▶ **Operating temperature:**
 -60 °C to +200 °C = 100 % working load limit;
 +200 °C to +300 °C = 60 % working load limit
- ▶ **Standard:** on the basis of DIN EN 1677
- ▶ **Safety factor:** 4
- ▶ **Identification mark:** Batch number
- ▶ **Surface:** powder-coated
- ▶ **Colour:** blue

HIT PRO KPWP parallel coupling hook

Shortening hook direct connection for easy, secure shortening of chain slings and for loops which should not tighten. The shortener enables horizontal alignment of the load in multi-leg attachment even with difficult transport procedures as well as suitable adjustment of the load for assemblies.



WLL		kg	3000	5000	8000	12500
for nominal size of chain		mm	8	10	13	16
Structural element width	B	mm	70	83	104	123
Suspension point distance	E	mm	62	73	98	124
Weight approx.		kg	0,58	1	2,29	4,32
Reference no.			442125	442126	442127	290158

- ▶ with safety latch
- ▶ Single-handed operation
- ▶ Quality grade: 12
- ▶ WLL: 5 t

Technical data

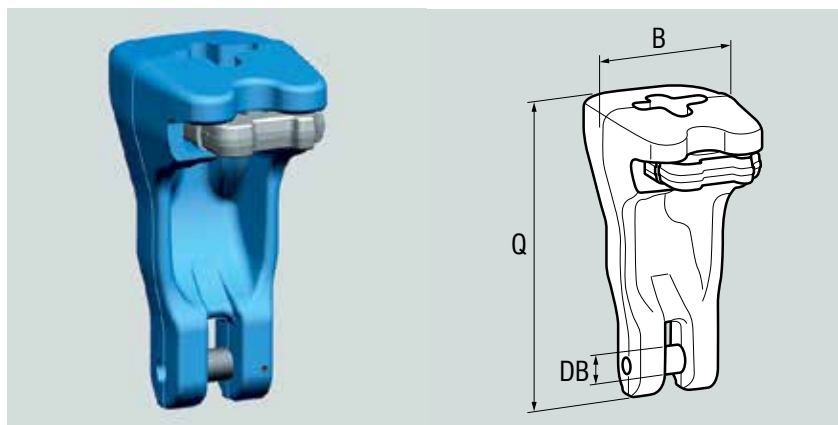
- ▶ **Operating temperature:**
-60 °C to +200 °C = 100 % working load limit;
+200 °C to +300 °C = 60 % working load limit
- ▶ **Standard:** on the basis of DIN EN 1677
- ▶ **Safety factor:** 4
- ▶ **Identification mark:** Batch number
- ▶ **Surface:** powder-coated
- ▶ **Colour:** blue

HIT PRO-ISWP coupling parallel hook

Shortening hooks with direct connection for simple and particularly safe shortening of chain slings and tool-free positioning on the entire chain length.

The safety latch protects against unintended unhooking of the chain.

The shortener enables horizontal alignment of the load in multi-leg attachment even with difficult transport procedures as well as suitable adjustment of the load for assemblies.



WLL		kg	5000
for nominal size of chain		mm	10
Structural element width	B	mm	78
Structural element length	Q	mm	99
Diameter bolt	DB	mm	14
Weight approx.		kg	2,18
Reference no.			381748

including stopper set



HIT PRO spare safety latch, set KHSWP

Spare safety latch for KHSWP coupling load hook comprising of forged safety latch, spiral pin and springs.
 For simple replacement in the case of damage or wear.

for nominal size of chain	mm	7	10	13
Weight approx.	kg	0,05	0,05	0,05
Reference no.		273006	273007	273008



HIT PRO spare safety latch, set HSWP

Spare safety latch for HSWP eye load hook comprising of forged safety latch, spiral pin and spring.
 For simple replacement in the case of damage or wear.

for nominal size of chain	mm	8	10	13
Weight approx.	kg	0,05	0,05	0,05
Reference no.		228975	228976	228977



HIT PRO spare safety latch, set LHWP

Spare safety latch for HIT PRO LHWP safety eye load hook including springs and spiral pin.
 For simple replacement in the case of damage or wear.

for nominal size of chain	mm	8	10	13
Weight approx.	kg	0,05	0,038	0,053
Reference no.		228978	228979	228980



HIT PRO bolt set for CWP connecting link

Spare part for HIT PRO CWP universal connecting link – quality grade 12

For simple replacement in the case of damage or wear.

for nominal size of chain	mm	7	8	10	13
Weight approx.	kg	0,02	0,03	0,04	0,07
Reference no.		228971	228972	228973	228974

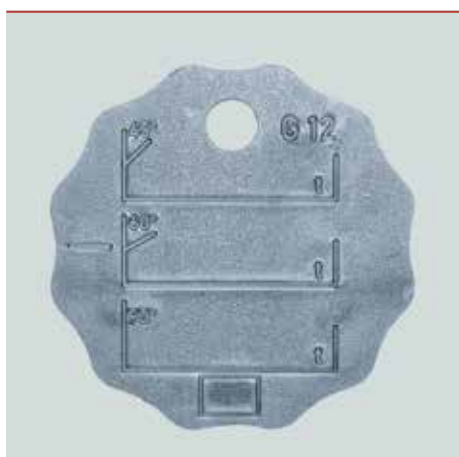


HIT PRO spare safety latch, set for PSWP parallel eye hook

Spare safety latch for HIT PRO PSWP parallel eye hook – quality grade 12 with safety latch

For simple replacement in the case of damage or wear.

for nominal size of chain	mm	8	10	13
Weight approx.	kg	0,02	0,03	0,045
Reference no.		228981	228982	228983



HIT PRO, quality grade 12 symbol

Marking according to standard.

Specification of the number of legs, length, nominal chain thickness and working load limit in tonnes at an inclination angle of 0°–45°, 45°–60° and 0°.

Type		PFEIFER	neutral
Weight approx.	kg	0,06	0,06
Reference no.		362246	362247

Pfeifer type is not available as a spare part except in connection with chain slings purchased from and assembled at Pfeifer.



Quality inspection tag

Neutral tag for marking the product with the next due accident prevention test.

Type			neutral
Weight approx.		kg	0,06
Reference no.	137906		



Mounting ring for quality tags and quality inspection tags

Weight approx.		kg	0,08
Reference no.	136896		

- ▶ **Standard hook**
- ▶ **Quality grade: 10**
- ▶ **Shortening: cannot be shortened**
- ▶ **WLL: 1,4 t to 40 t**

Technical data

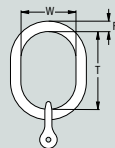
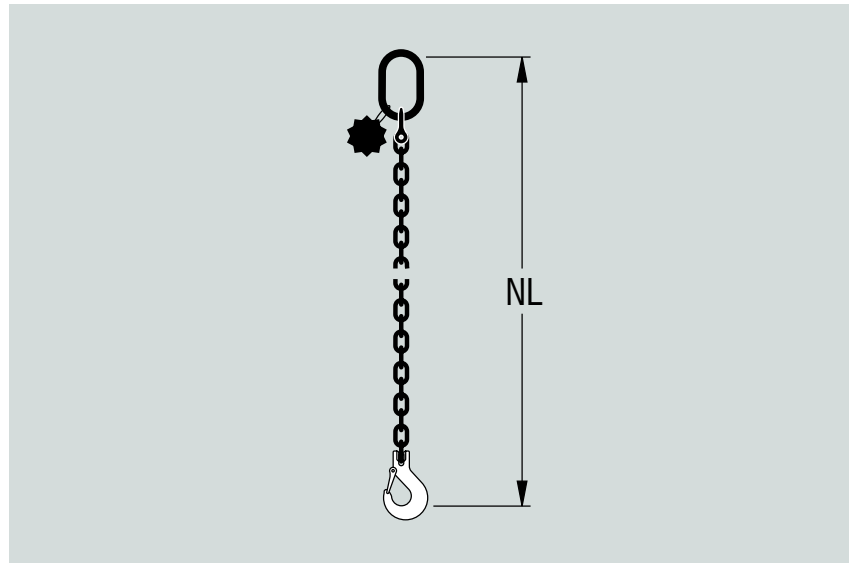
- ▶ **Operating temperature:**
 - 40 °C to +200 °C = 100 % working load limit;
 - +200 °C to +300 °C = 90 % working load limit;
 - +300 °C to +380 °C = 60 % working load limit
- ▶ **Standard:** Chain following DIN EN 818;
Chain components on the basis of DIN EN 1677
- ▶ **Safety factor: 4**
- ▶ **Identification mark:** Batch number and serial number; Quality grade no.;
Quality grade and carrying capacity symbol
- ▶ **Legs Quantity:** single-line
- ▶ **Chain surface:** cathodic dip-paint coating
- ▶ **Chain color:** black
- ▶ **Structural element surface:** powder-coated
- ▶ **Structural element colour:** orange

HIT chain sling, single leg Standard hook

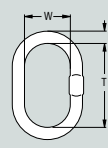
Chain sling with KMGW/AW standard suspension link and KHSW/HSW standard load hook for single leg attachment.

Ideally suited for all applications with standard crane hooks and for general lifting purposes.

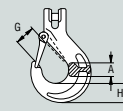
Cathodic EPD provides extreme corrosion-protection.



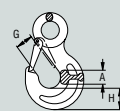
KMGW
see page 204





AW
see page 194



KHSW
see page 217



HSW
see page 219

WLL direct		kg	1400	2500	4000	6700	10000	14000	19000	26500	40000	
WLL strapped		kg	1120	2000	3150	5300	8000	11200	15000	21200	32000	
Nominal size of chain		mm	6	8	10	13	16	19	22	26	32	
Standard usable length	NL	m	1	1	1	1	1	-	-	-	-	
Reference no.			494686	494693	494699	494704	494709	-	-	-	-	
Standard usable length	NL	m	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	
Reference no.			494689	494695	494700	494705	494710	495370	495374	495574	495668	
Standard usable length	NL	m	2	2	2	2	2	2	2	2	2	
Reference no.			494690	494696	494701	494706	494711	495371	495375	495575	495669	
Standard usable length	NL	m	3	3	3	3	3	3	3	3	3	
Reference no.			494691	494697	494702	494707	494712	495372	495376	495576	495670	
Standard usable length	NL	m	4	4	4	4	4	4	4	4	4	
Reference no.			494692	494698	494703	494708	494713	495373	495377	495577	495671	
Component suspension												
Type			KMGW	KMGW	KMGW	KMGW	KMGW	KMGW	KMGW	KMGW	AW	AW
Clear height	T	mm	120	140	160	160	190	230	275	340	350	
Clearance	W	mm	70	80	95	110	110	130	150	180	190	
Ring cross-sectional diameter	F	mm	14	16	19	23	27	33	38	45	50	
Component end fitting												
Type			KHSW	KHSW	KHSW	KHSW	KHSW	HSW	HSW	HSW	HSW	
Hook base height	H	mm	20	28	35	41	49	62	62	75	97	
Hook thickness	A	mm	15	19	25	34	37	50	50	60	82	
Hook opening width	G	mm	19	26	31	39	45	62	62	73	87	

- ▶ Self-closing safety load hook
- ▶ Quality grade: 10
- ▶ Shortening: cannot be shortened
- ▶ WLL: 1,4 t to 26,5 t

Technical data

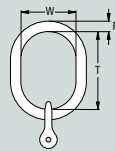
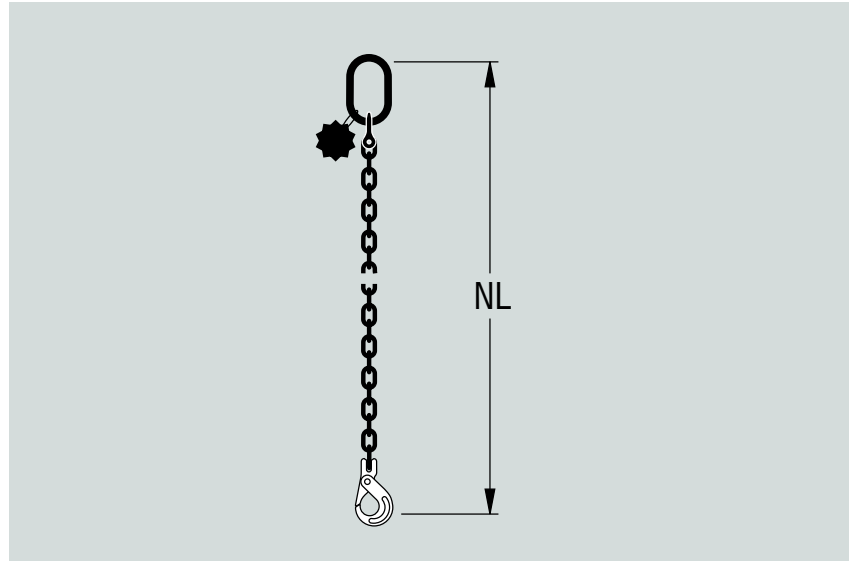
- ▶ **Operating temperature:**
 - 40 °C to +200 °C = 100 % working load limit;
 - +200 °C to +300 °C = 90 % working load limit;
 - +300 °C to +380 °C = 60 % working load limit
- ▶ **Standard:** Chain following DIN EN 818;
Chain components on the basis of DIN EN 1677
- ▶ **Safety factor:** 4
- ▶ **Identification mark:** Batch number and serial number; Quality grade no.; Quality grade and carrying capacity symbol
- ▶ **Legs Quantity:** single-line
- ▶ **Chain surface:** cathodic dip-paint coating
- ▶ **Chain color:** black
- ▶ **Structural element surface:** powder-coated
- ▶ **Structural element colour:** orange

HIT chain sling, single leg Safety load hook

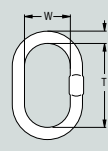
Chain sling with KMGW/AW standard suspension link. and self-closing KLHW safety load hook for single leg attachment.

Ideally suited for all applications with standard crane hooks and for general lifting purposes.

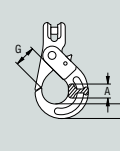
Cathodic EPD provides extreme corrosion-protection.





KMGW
see page 204



AW
see page 194



KLHW
see page 220

WLL direct		kg	1400	2500	4000	6700	10000	14000	19000	26500
WLL strapped		kg	1120	2000	3150	5300	8000	11200	15000	21200
Nominal size of chain		mm	6	8	10	13	16	19	22	26
Standard usable length	NL	m	1	1	1	1	1	-	-	-
Reference no.			494912	494917	494922	494927	494932	-	-	-
Standard usable length	NL	m	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5
Reference no.			494913	494918	494923	494928	494933	495378	495382	495706
Standard usable length	NL	m	2	2	2	2	2	2	2	2
Reference no.			494914	494919	494924	494929	494934	495379	495383	495707
Standard usable length	NL	m	3	3	3	3	3	3	3	3
Reference no.			494915	494920	494925	494930	494935	495380	495384	495708
Standard usable length	NL	m	4	4	4	4	4	4	4	4
Reference no.			494916	494921	494926	494931	494936	495381	495385	495709
Component suspension										
Type			KMGW	KMGW	KMGW	KMGW	KMGW	KMGW	KMGW	AW
Clear height	T	mm	120	140	160	160	190	230	275	340
Clearance	W	mm	70	80	95	110	110	130	150	180
Ring cross-sectional diameter	F	mm	14	16	19	23	27	33	38	45
Component end fitting										
Type			KLHW	KLHW	KLHW	KLHW	KLHW	KLHW	KLHW	KLHW
Hook base height	H	mm	20	26	30	40	50	65	65	79
Hook thickness	A	mm	17	20	29	35	41	52	52	61
Hook opening width	G	mm	28	34	45	52	60	81	81	100

- ▶ **Oversized quad assembly**
- ▶ **Quality grade: 10**
- ▶ **Shortening: cannot be shortened**
- ▶ **WLL: 4 t to 19 t**

Technical data

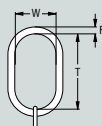
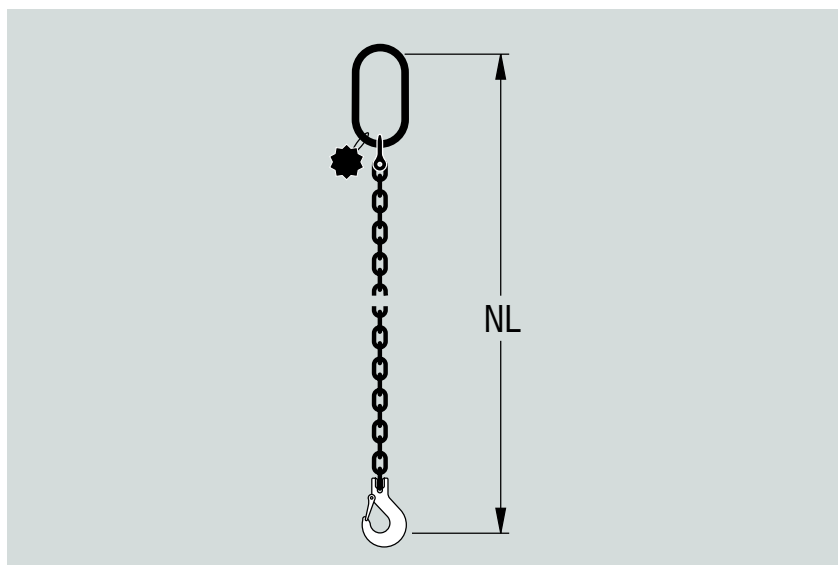
- ▶ **Operating temperature:**
 - 40 °C to +200 °C = 100 % working load limit;
 - +200 °C to +300 °C = 90 % working load limit;
 - +300 °C to +380 °C = 60 % working load limit
- ▶ **Standard:** Chain following DIN EN 818;
Chain components on the basis of DIN EN 1677
- ▶ **Safety factor: 4**
- ▶ **Identification mark:** Batch number and serial number; Quality grade no.; Quality grade and carrying capacity symbol
- ▶ **Legs Quantity:** single-line
- ▶ **Chain surface:** cathodic dip-paint coating
- ▶ **Chain color:** black
- ▶ **Structural element surface:** powder-coated
- ▶ **Structural element colour:** orange

HIT chain sling, single leg with extra-large suspension link

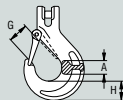
Chain sling with extra-large VLW suspension link and standard KHSW load hook for single-leg attachment.

Ideally suited for all applications with standard crane hooks and for general lifting purposes.



Cathodic EPD provides extreme corrosion-protection.



VLW
see page 198



KHSW
see page 217

WLL direct		kg	4000	6700	10000	2500	14000	19000
WLL strapped		kg	3150	5300	8000	2000	11200	15000
Nominal size of chain		mm	10	13	16	8	19	22
Standard usable length	NL	m	1	1	1	1	-	-
Reference no.			495202	495207	495212	495530	-	-
Standard usable length	NL	m	1,5	1,5	1,5	1,5	1,5	1,5
Reference no.			495203	495208	495213	495531	495622	495626
Standard usable length	NL	m	2	2	2	2	2	2
Reference no.			495204	495209	495214	495532	495623	495627
Standard usable length	NL	m	3	3	3	3	3	3
Reference no.			495205	495210	495215	495533	495624	495628
Standard usable length	NL	m	4	4	4	4	4	4
Reference no.			495206	495211	495216	495534	495625	495629
Component suspension								
Type			VLW	VLW	VLW	VLW	VLW	VLW
Clear height	T	mm	340	340	340	340	340	340
Clearance	W	mm	180	180	180	180	180	180
Ring cross-sectional diameter	F	mm	27	27	32	27	40	40
Component end fitting								
Type			KHSW	KHSW	KHSW	KHSW	KHSW	KHSW
Hook base height	H	mm	35	41	49	28	53	62
Hook thickness	A	mm	25	34	37	19	51	52
Hook opening width	G	mm	31	39	45	26	53	62

- ▶ **Standard hook**
- ▶ **Quality grade: 10**
- ▶ **Shortening: can be shortened**
- ▶ **WLL: 1,4 t to 40 t**

Technical data

- ▶ **Operating temperature:**
 - 40 °C to +200 °C = 100 % working load limit;
 - +200 °C to +300 °C = 90 % working load limit;
 - +300 °C to +380 °C = 60 % working load limit
- ▶ **Standard:** Chain following DIN EN 818;
Chain components on the basis of DIN EN 1677
- ▶ **Safety factor:** 4
- ▶ **Identification mark:** Batch number and serial number; Quality grade no.;
- ▶ **Quality grade and carrying capacity symbol**
- ▶ **Legs Quantity:** single-line
- ▶ **Chain surface:** cathodic dip-paint coating
- ▶ **Chain color:** black
- ▶ **Structural element surface:** powder-coated
- ▶ **Structural element colour:** orange

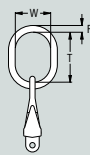
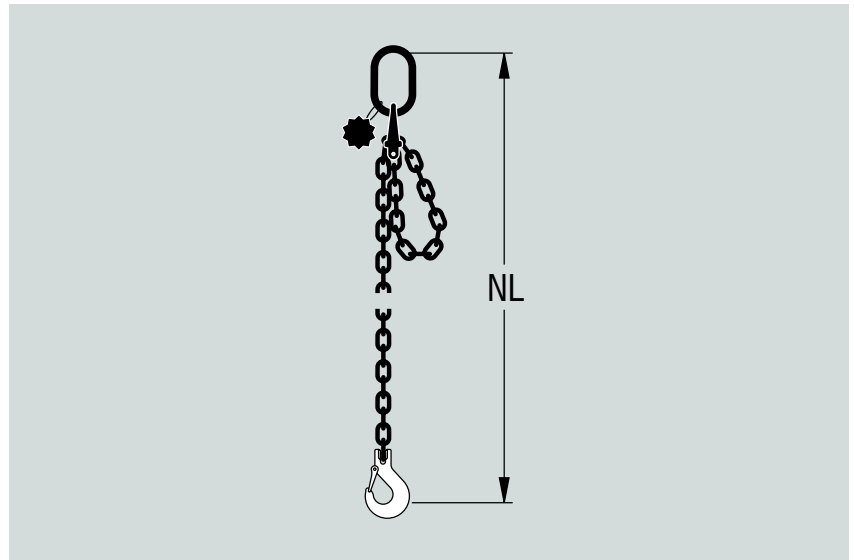
HIT chain sling, single-leg, can be shortened Standard hook

Chain sling with VMXKW/AW suspension link, integrated PW/KPW shortener and KHSW/HSW standard load hook for single leg attachment.

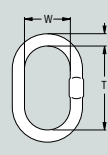
Ideally suited for all demanding applications with standard crane hooks and for general lifting purposes.

The shortener enables horizontal alignment of the load in multi-leg attachment even with difficult transport procedures as well as suitable adjustment of the load for assemblies.

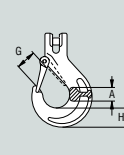
Cathodic EPD provides extreme corrosion-protection.



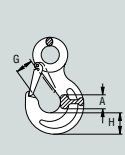
VMXKW
see page 207



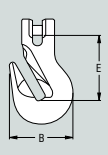
AW
see page 194



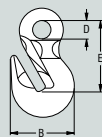
KHSW
see page 217





HSW
see page 219



KPW
see page 230



PW
see page 231

WLL direct		kg	1400	2500	4000	6700	10000	14000	19000	26500	40000
WLL strapped		kg	1120	2000	3150	5300	8000	11200	15000	21200	32000
Nominal size of chain		mm	6	8	10	13	16	19	22	26	32
Standard usable length	NL	m	1	1	1	-	-	-	-	-	-
Reference no.			494714	494719	494725	-	-	-	-	-	-
Standard usable length	NL	m	1,5	1,5	1,5	1,5	1,5	-	-	-	-
Reference no.			494715	494721	494726	494730	494734	-	-	-	-
Standard usable length	NL	m	2	2	2	2	2	2	2	-	-
Reference no.			494716	494722	494727	494731	494735	495386	495389	-	-
Standard usable length	NL	m	3	3	3	3	3	3	3	3	3
Reference no.			494717	494723	494728	494732	494736	495387	495390	495630	495672
Standard usable length	NL	m	4	4	4	4	4	4	4	4	4
Reference no.			494718	494724	494729	494733	494737	495388	495391	495631	495673
Component suspension											
Type			VMXKW	VMXKW	VMXKW	VMXKW	VMXKW	AW	AW	AW	AW
Clear height	T	mm	120	140	160	170	190	200	260	340	350
Clearance	W	mm	70	80	95	105	110	110	140	180	190
Ring cross-sectional diameter	F	mm	14	16	19	23	27	33	36	45	50
Component shortening											
Type			integrated in ring	integrated in ring	integrated in ring	integrated in ring	integrated in ring	KPW	KPW	PW	PW
Component end fitting											
Type			KHSW	KHSW	KHSW	KHSW	KHSW	HSW	HSW	HSW	HSW
Hook base height	H	mm	41	28	35	41	49	55	62	75	97
Hook thickness	A	mm	34	19	25	34	37	48	50	60	82
Hook opening width	G	mm	39	26	31	39	45	53	62	73	87

- ▶ Self-closing safety load hook
- ▶ Quality grade: 10
- ▶ Shortening: can be shortened
- ▶ WLL: 1,4 t to 26,5 t

Technical data

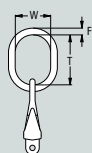
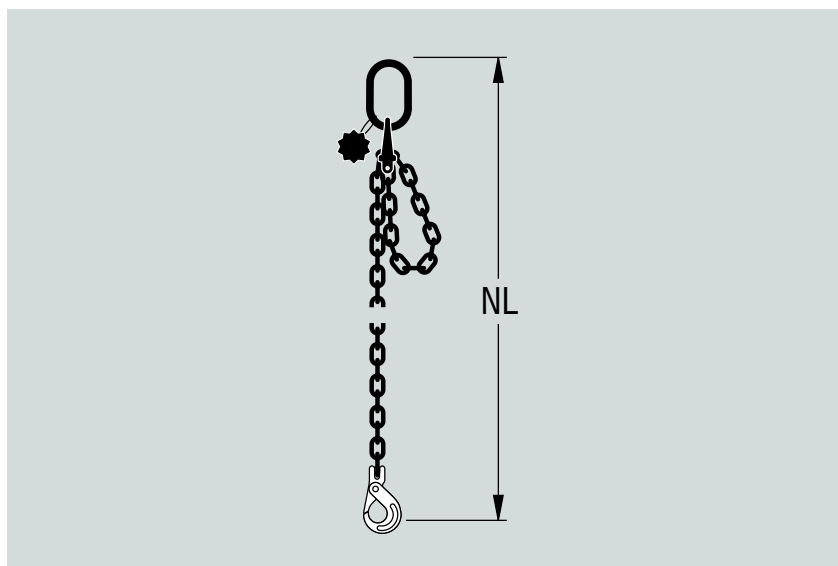
- ▶ **Operating temperature:**
 - 40 °C to +200 °C = 100 % working load limit;
 - +200 °C to +300 °C = 90 % working load limit;
 - +300 °C to +380 °C = 60 % working load limit
- ▶ **Standard:** Chain following DIN EN 818;
Chain components on the basis of DIN EN 1677
- ▶ **Safety factor:** 4
- ▶ **Identification mark:** Batch number and serial number; Quality grade no.;
Quality grade and carrying capacity symbol
- ▶ **Legs Quantity:** single-line
- ▶ **Chain surface:** cathodic dip-paint coating
- ▶ **Chain color:** black
- ▶ **Structural element surface:** powder-coated
- ▶ **Structural element colour:** orange

HIT chain sling, single-leg, can be shortened Safety load hook

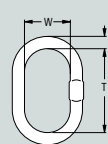
Chain sling with VMXKW/AW standard suspension link, integrated PW/KPW shortener and self-closing KLHW safety load hook for single leg attachment.

Ideally suited for all demanding applications with standard crane hooks and for general lifting purposes.

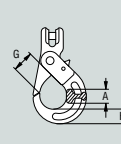
Cathodic EPD provides extreme corrosion-protection.



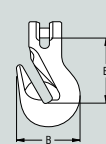
VMXKW
see page 207



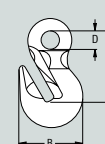
AW
see page 194





KLHW
see page 220



KPW
see page 230



PW
see page 231

WLL direct		kg	1400	2500	4000	6700	10000	14000	19000	26500
WLL strapped		kg	1120	2000	3150	5300	8000	11200	15000	21200
Nominal size of chain		mm	6	8	10	13	16	19	22	26
Standard usable length	NL	m	1	1	1	-	-	-	-	-
Reference no.			500108	495087	495092	-	-	-	-	-
Standard usable length	NL	m	1,5	1,5	1,5	1,5	1,5	-	-	-
Reference no.			500109	495088	495093	495097	495101	-	-	-
Standard usable length	NL	m	2	2	2	2	2	2	2	2
Reference no.			500110	495089	495094	495098	495102	495392	495395	495710
Standard usable length	NL	m	3	3	3	3	3	3	3	3
Reference no.			500111	495090	495095	495099	495103	495393	495396	495711
Standard usable length	NL	m	4	4	4	4	4	4	4	4
Reference no.			500112	495091	495096	495100	495104	495394	495397	495712
Component suspension										
Type			VMXKW	VMXKW	VMXKW	VMXKW	VMXKW	AW	AW	AW
Clear height	T	mm	120	140	160	170	190	260	260	340
Clearance	W	mm	70	80	95	105	110	140	140	180
Ring cross-sectional diameter	F	mm	14	16	19	23	27	36	36	45
Component shortening										
Type			integrated in ring	integrated in ring	integrated in ring	integrated in ring	integrated in ring	KPW	KPW	PW
Component end fitting										
Type			KLHW	KLHW	KLHW	KLHW	KLHW	KLHW	KLHW	KLHW
Hook base height	H	mm	20	26	30	40	50	62	65	79
Hook thickness	A	mm	17	20	29	35	41	50	52	61
Hook opening width	G	mm	28	34	45	52	60	70	81	100

- ▶ **Oversized quad assembly**
- ▶ **Quality grade: 10**
- ▶ **Shortening: can be shortened**
- ▶ **WLL: 1,4 t to 10 t**

Technical data

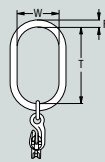
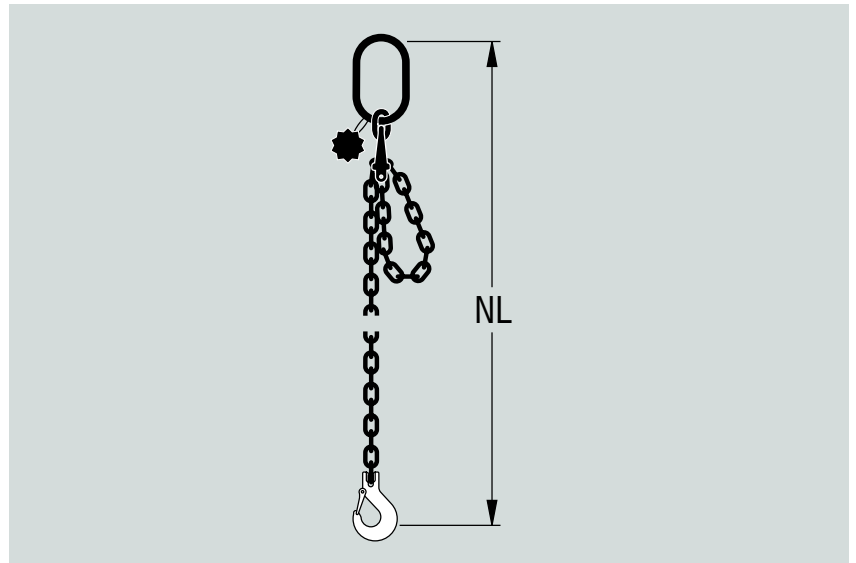
- ▶ **Operating temperature:**
 - 40 °C to +200 °C = 100 % working load limit;
 - +200 °C to +300 °C = 90 % working load limit;
 - +300 °C to +380 °C = 60 % working load limit
- ▶ **Standard:** Chain following DIN EN 818;
Chain components on the basis of DIN EN 1677
- ▶ **Safety factor:** 4
- ▶ **Identification mark:** Batch number and serial number; Quality grade no.;
Quality grade and carrying capacity symbol
- ▶ **Legs Quantity:** single-line
- ▶ **Chain surface:** cathodic dip-paint coating
- ▶ **Chain color:** black
- ▶ **Structural element surface:** powder-coated
- ▶ **Structural element colour:** orange

HIT chain sling, single-leg, can be shortened with extra-large suspension link

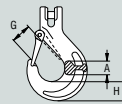
Chain sling with extra-large LXXW suspension link, integrated shortener and standard KHSW load hooks for single-leg attachment.

Ideally suited for all demanding applications with standard crane hooks and for general lifting purposes.



Cathodic EPD provides extreme corrosion-protection.



LXXW
see page 210



KHSW
see page 217

WLL direct		kg	1400	2500	4000	6700	10000
WLL strapped		kg	1120	2000	3150	5300	8000
Nominal size of chain		mm	6	8	10	13	16
Standard usable length	NL	m	1	1	-	-	-
Reference no.			495535	495540	-	-	-
Standard usable length	NL	m	1,5	1,5	1,5	1,5	-
Reference no.			495536	495541	494834	494838	-
Standard usable length	NL	m	2	2	2	2	2
Reference no.			495537	495542	494835	494839	494842
Standard usable length	NL	m	3	3	3	3	3
Reference no.			495538	495543	494836	494840	494843
Standard usable length	NL	m	4	4	4	4	4
Reference no.			495539	495544	494837	494841	494844
Component suspension							
Type			LXKW	LXKW	LXKW	LXKW	LXKW
Clear height	T	mm	340	340	340	340	340
Clearance	W	mm	180	180	180	180	180
Ring cross-sectional diameter	F	mm	23	23	27	33	33
Component shortening							
Type			integrated in ring	integrated in ring	integrated in ring	integrated in ring	integrated in ring
Component end fitting							
Type			KHSW	KHSW	KHSW	KHSW	KHSW
Hook base height	H	mm	20	28	35	41	49
Hook thickness	A	mm	15	19	25	34	37
Hook opening width	G	mm	19	26	31	39	45

- ▶ **Suspension link end fitting**
- ▶ **Quality grade: 10**
- ▶ **Shortening: cannot be shortened**
- ▶ **WLL: 1,4 t to 40 t**

Technical data

- ▶ **Operating temperature:**
 - 40 °C to +200 °C = 100 % working load limit;
 - +200 °C to +300 °C = 90 % working load limit;
 - +300 °C to +380 °C = 60 % working load limit
- ▶ **Standard:** Chain following DIN EN 818;
Chain components on the basis of DIN EN 1677
- ▶ **Safety factor:** 4
- ▶ **Identification mark:** Batch number and serial number; Quality grade no.; Quality grade and carrying capacity symbol
- ▶ **Legs Quantity:** single-line
- ▶ **Chain surface:** cathodic dip-paint coating
- ▶ **Chain color:** black
- ▶ **Structural element surface:** powder-coated
- ▶ **Structural element colour:** orange

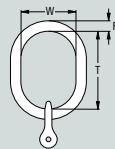
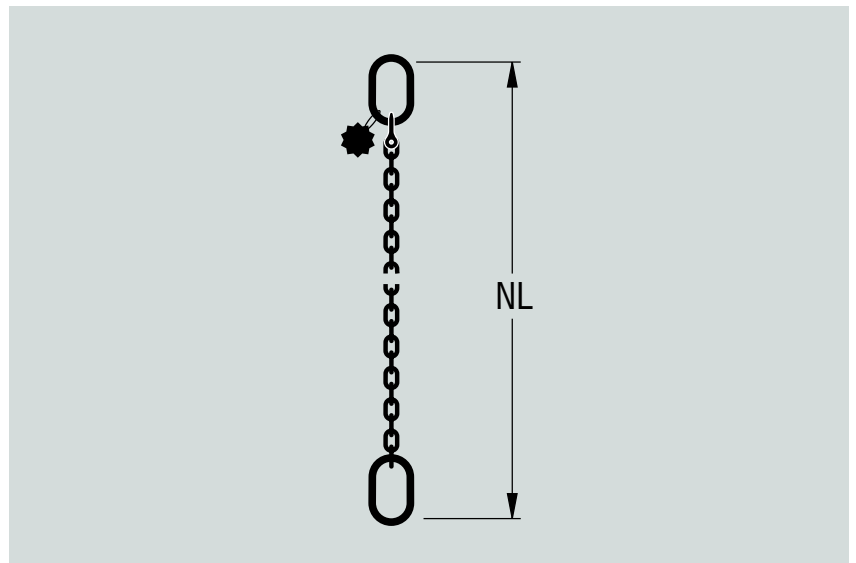
HIT chain sling, single-leg Suspension link end fitting

Chain sling with KMGW/AW standard suspension link and KHSW/HSW standard load hook end link for single leg attachment.

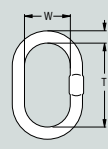
Ideally suited for all applications with standard crane hooks and for general lifting purposes.

Cathodic EPD provides extreme corrosion-protection.

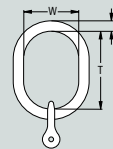
Further attachments can be easily connected.



KMGW
see page 204





AW
see page 194



KMGW
see page 204



AW
see page 194

WLL direct		kg	1400	2500	4000	6700	10000	14000	19000	26500	40000	
WLL strapped		kg	1120	2000	3150	5300	8000	11200	15000	21200	32000	
Nominal size of chain		mm	6	8	10	13	16	19	22	26	32	
Standard usable length	NL	m	1	1	1	1	1	-	-	-	-	
Reference no.			495277	495282	495272	495287	495292	-	-	-	-	
Standard usable length	NL	m	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	
Reference no.			495278	495283	495273	495288	495293	495297	495301	495618	495689	
Standard usable length	NL	m	2	2	2	2	2	2	2	2	2	
Reference no.			495279	495284	495274	495289	495294	495298	495302	495619	495690	
Standard usable length	NL	m	3	3	3	3	3	3	3	3	3	
Reference no.			495280	495285	495275	495290	495295	495299	495303	495620	495691	
Standard usable length	NL	m	4	4	4	4	4	4	4	4	4	
Reference no.			495281	495286	495276	495291	495296	495300	495304	495621	495692	
Component suspension												
Type			KMGW	KMGW	KMGW	KMGW	KMGW	KMGW	KMGW	KMGW	AW	AW
Clear height	T	mm	120	140	160	160	190	230	275	340	350	
Clearance	W	mm	70	80	95	110	110	130	150	180	190	
Ring cross-sectional diameter	F	mm	14	16	19	23	27	33	38	45	50	
Component end fitting												
Type			KMGW	KMGW	KMGW	KMGW	KMGW	KMGW	KMGW	KMGW	AW	AW

- ▶ **Universal connecting link end fitting**
- ▶ **Quality grade: 10**
- ▶ **Shortening: cannot be shortened**
- ▶ **WLL: 1,4 t to 40 t**

Technical data

- ▶ **Operating temperature:**
 - 40 °C to +200 °C = 100 % working load limit;
 - +200 °C to +300 °C = 90 % working load limit;
 - +300 °C to +380 °C = 60 % working load limit
- ▶ **Standard:** Chain following DIN EN 818;
Chain components on the basis of DIN EN 1677
- ▶ **Safety factor:** 4
- ▶ **Identification mark:** Batch number and serial number; Quality grade no.; Quality grade and carrying capacity symbol
- ▶ **Legs Quantity:** single-line
- ▶ **Chain surface:** cathodic dip-paint coating
- ▶ **Chain color:** black
- ▶ **Structural element surface:** powder-coated
- ▶ **Structural element colour:** orange

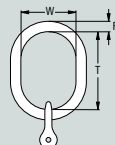
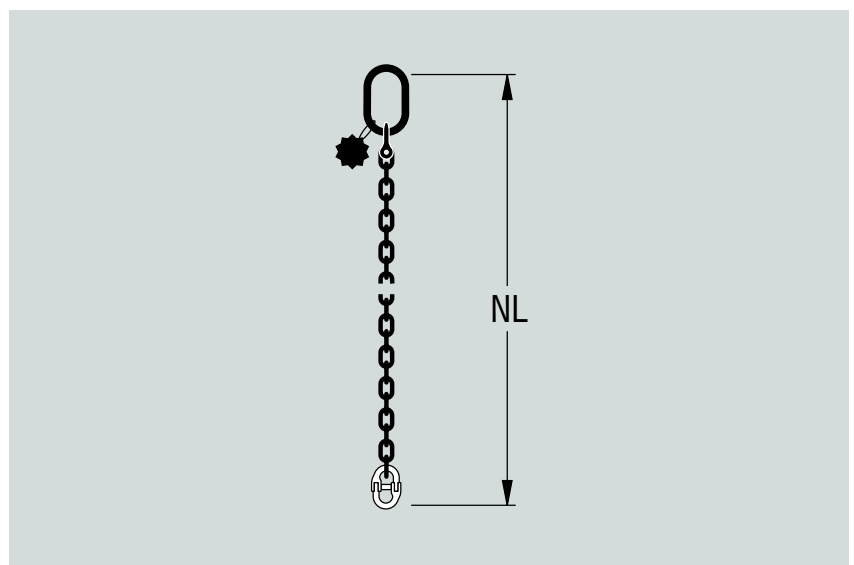
HIT chain sling, single-leg Universal connecting link end fitting

Chain sling with standard KMGW/AW suspension link and end connection CW universal connecting link for single-leg attachment. Ideally suited for all applications with standard crane hooks and for general lifting purposes.

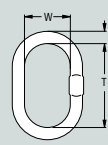
Cathodic EPD provides extreme corrosion-protection.

Further attachments can be easily connected.

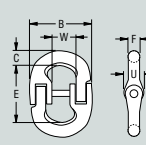
Ideal for permanent connection with load clamps.





KMGW
see page 204



AW
see page 194



CW
see page 213

WLL direct		kg	1400	2500	4000	6700	10000	14000	19000	26500	40000	
WLL strapped		kg	1120	2000	3150	5300	8000	11200	15000	21200	32000	
Nominal size of chain		mm	6	8	10	13	16	19	22	26	32	
Standard usable length	NL	m	1	1	1	1	1	-	-	-	-	
Reference no.			494937	494942	494947	494952	494957	-	-	-	-	
Standard usable length	NL	m	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	
Reference no.			494938	494943	494948	494953	494958	495398	495402	495614	495685	
Standard usable length	NL	m	2	2	2	2	2	2	2	2	2	
Reference no.			494939	494944	494949	494954	494959	495399	495403	495615	495686	
Standard usable length	NL	m	3	3	3	3	3	3	3	3	3	
Reference no.			494940	494945	494950	494955	494960	495400	495404	495616	495687	
Standard usable length	NL	m	4	4	4	4	4	4	4	4	4	
Reference no.			494941	494946	494951	494956	494961	495401	495405	495617	495688	
Component suspension												
Type			KMGW	KMGW	KMGW	KMGW	KMGW	KMGW	KMGW	KMGW	AW	AW
Clear height	T	mm	120	140	160	160	190	230	275	340	350	
Clearance	W	mm	70	80	95	110	110	130	150	180	190	
Ring cross-sectional diameter	F	mm	14	16	19	23	27	33	38	45	50	
Component end fitting												
Type			CW	CW	CW	CW	CW	CW	CW	CW	CW	CW

- ▶ Coupling shackle end fitting
- ▶ Quality grade: 10
- ▶ Shortening: cannot be shortened
- ▶ WLL: 2,5 t to 6,7 t

Technical data

- ▶ **Operating temperature:**
 - 40 °C to +200 °C = 100 % working load limit;
 - +200 °C to +300 °C = 90 % working load limit;
 - +300 °C to +380 °C = 60 % working load limit
- ▶ **Standard:** Chain following DIN EN 818;
Chain components on the basis of DIN EN 1677
- ▶ **Safety factor:** 4
- ▶ **Identification mark:** Batch number and serial number; Quality grade no.;
Quality grade and carrying capacity symbol
- ▶ **Legs Quantity:** single-line
- ▶ **Chain surface:** cathodic dip-paint coating
- ▶ **Chain color:** black
- ▶ **Structural element surface:** powder-coated
- ▶ **Structural element colour:** orange

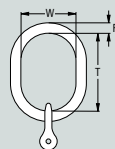
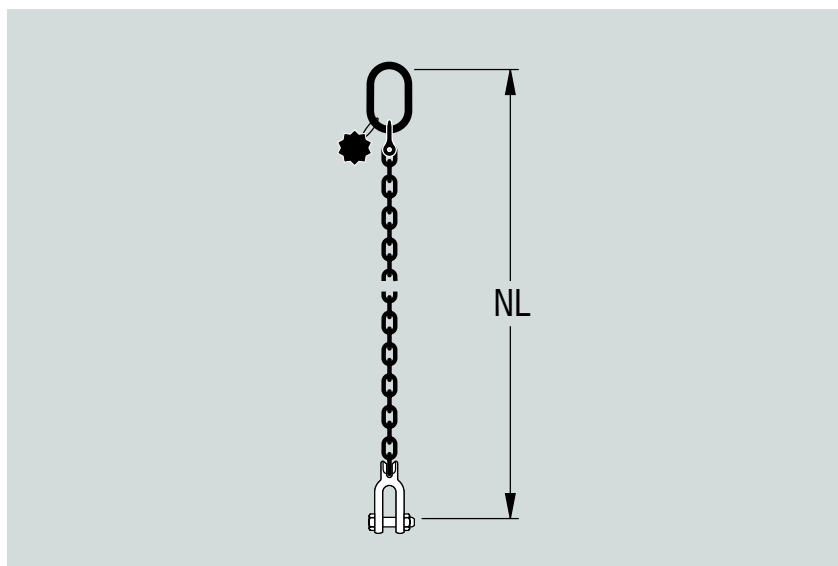
HIT chain sling, single-leg Coupling shackle end fitting

Chain sling with standard KMGW suspension link and end connection KSCHW coupling shackle for 1-leg attachment.

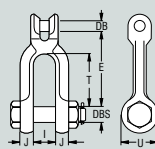
Ideally suited for all applications with standard crane hooks and for general lifting purposes.

Cathodic EPD provides extreme corrosion-protection.

Further attachments can be easily connected.



KMGW
see page 204



KSCHW
see page 233

WLL direct	↓	kg	2500	4000	6700
Nominal size of chain		mm	8	10	13
Standard usable length	NL	m	1	1	1
Reference no.			494845	494850	494855
Standard usable length	NL	m	1,5	1,5	1,5
Reference no.			494846	494851	494856
Standard usable length	NL	m	2	2	2
Reference no.			494847	494852	494857
Standard usable length	NL	m	3	3	3
Reference no.			494848	494853	494858
Standard usable length	NL	m	4	4	4
Reference no.			494849	494854	494859
Component suspension					
Type			KMGW	KMGW	KMGW
Clear height	T	mm	140	160	160
Clearance	W	mm	80	95	110
Ring cross-sectional diameter	F	mm	16	19	23
Component end fitting					
Type			KSCHW	KSCHW	KSCHW

- ▶ **Standard hook**
- ▶ **Quality grade: 10**
- ▶ **Shortening: cannot be shortened**
- ▶ **WLL: 2 t to 56 t**

Technical data

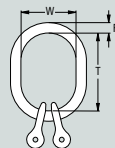
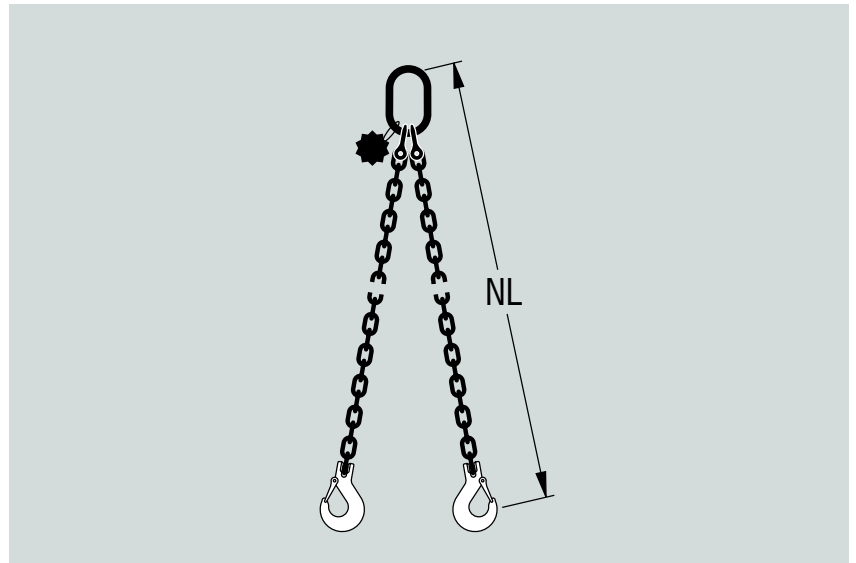
- ▶ **Operating temperature:**
 - 40 °C to +200 °C = 100 % working load limit;
 - +200 °C to +300 °C = 90 % working load limit;
 - +300 °C to +380 °C = 60 % working load limit
- ▶ **Standard:** Chain following DIN EN 818;
Chain components on the basis of DIN EN 1677
- ▶ **Safety factor: 4**
- ▶ **Identification mark:** Batch number and serial number; Quality grade no.;
Quality grade and carrying capacity symbol
- ▶ **Legs Quantity:** 2-leg
- ▶ **Chain surface:** cathodic dip-paint coating
- ▶ **Chain color:** black
- ▶ **Structural element surface:** powder-coated
- ▶ **Structural element colour:** orange

HIT chain sling, 2-leg Standard hook

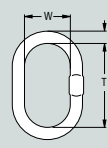
Chain sling with KMGW/AW standard suspension link and KHSW/HSW standard load hook for 2 leg attachment.

Ideally suited for all applications with standard crane hooks and for general lifting purposes

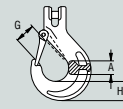
Cathodic EPD provides extreme corrosion-protection.



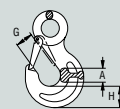
KMGW
see page 205



AW
see page 194



KHSW
see page 217



HSW
see page 219

WLL direct 0-45°		kg	2000	3550	5600	9500	14000	20000	26500	37500	56000
WLL direct 45-60°		kg	1400	2500	4000	6700	10000	14000	19000	26500	40000
WLL strapped 0-45°		kg	1600	2800	4250	7500	11200	16000	21200	30000	44800
WLL strapped 45-60°		kg	1120	2000	3150	5300	8000	11200	15000	21200	32000
Nominal size of chain		mm	6	8	10	13	16	19	22	26	32
Standard usable length	NL	m	1	1	1	1	1	-	-	-	-
Reference no.			494738	494743	494748	494753	494758	-	-	-	-
Standard usable length	NL	m	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5
Reference no.			494739	494744	494749	494754	494759	495422	495426	495604	495674
Standard usable length	NL	m	2	2	2	2	2	2	2	2	2
Reference no.			494740	494745	494750	494755	494760	495423	495427	495605	495675
Standard usable length	NL	m	3	3	3	3	3	3	3	3	3
Reference no.			494741	494746	494751	494756	494761	495424	495428	495606	495676
Standard usable length	NL	m	4	4	4	4	4	4	4	4	4
Reference no.			494742	494747	494752	494757	494762	495425	495429	495607	495677
Component suspension											
Type			KMGW	KMGW	KMGW	KMGW	KMGW	KMGW	KAGW	AW	AW
Clear height	T	mm	120	160	160	190	230	275	340	350	400
Clearance	W	mm	70	95	110	110	130	150	180	190	200
Ring cross-sectional diameter	F	mm	14	19	23	27	33	38	45	50	60
Component end fitting											
Type			KHSW	KHSW	KHSW	KHSW	KHSW	HSW	HSW	HSW	HSW
Hook base height	H	mm	20	28	35	41	49	55	62	75	97
Hook thickness	A	mm	15	19	25	34	37	48	50	60	82
Hook opening width	G	mm	19	26	31	39	45	53	62	73	87

- ▶ Self-closing safety load hook
- ▶ Quality grade: 10
- ▶ Shortening: cannot be shortened
- ▶ WLL: 2 t to 37,5 t

Technical data

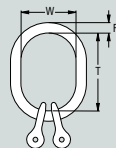
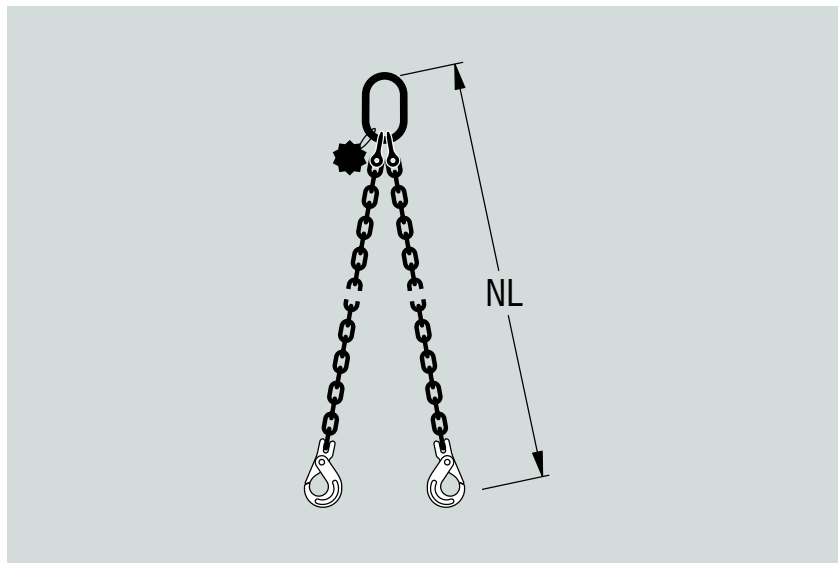
- ▶ **Operating temperature:**
 - 40 °C to +200 °C = 100 % working load limit;
 - +200 °C to +300 °C = 90 % working load limit;
 - +300 °C to +380 °C = 60 % working load limit
- ▶ **Standard:** Chain following DIN EN 818;
Chain components on the basis of DIN EN 1677
- ▶ **Safety factor:** 4
- ▶ **Identification mark:** Batch number and serial number; Quality grade no.;
Quality grade and carrying capacity symbol
- ▶ **Legs Quantity:** 2-leg
- ▶ **Chain surface:** cathodic dip-paint coating
- ▶ **Chain color:** black
- ▶ **Structural element surface:** powder-coated
- ▶ **Structural element colour:** orange

HIT chain sling, 2-leg Safety load hook

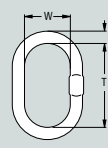
Chain sling with KMGW/AW standard suspension link. and self-closing KLHW safety load hook for 2-leg attachment.

Ideally suited for all applications with standard crane hooks and for general lifting purposes.

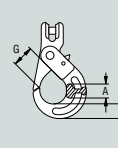
Cathodic EPD provides extreme corrosion-protection.







KMGW
see page 205



AW
see page 194



KLHW
see page 220

WLL direct 0-45°		kg	2000	3550	5600	9500	14000	20000	26500	37500
WLL direct 45-60°		kg	1400	2500	4000	6700	10000	14000	19000	26500
WLL strapped 0-45°		kg	1600	2800	4250	7500	11200	16000	21200	30000
WLL strapped 45-60°		kg	1120	2000	3150	5300	8000	11200	15000	21200
Nominal size of chain		mm	6	8	10	13	16	19	22	26
Standard usable length	NL	m	1	1	1	1	1	-	-	-
Reference no.			494987	494992	494997	495002	495007	-	-	-
Standard usable length	NL	m	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5
Reference no.			494988	494993	494998	495003	495008	495430	495434	495713
Standard usable length	NL	m	2	2	2	2	2	-	2	2
Reference no.			494989	494994	494999	495004	495009	-	495435	495714
Standard usable length	NL	m	3	3	3	3	3	3	3	3
Reference no.			494990	494995	495000	495005	495010	495432	495436	495715
Standard usable length	NL	m	4	4	4	4	4	4	4	4
Reference no.			494991	494996	495001	495006	495011	495433	495437	495716
Component suspension										
Type			KMGW	KMGW	KMGW	KMGW	KMGW	KMGW	KAGW	AW
Clear height	T	mm	120	160	160	190	230	275	340	350
Clearance	W	mm	70	95	110	110	130	150	180	190
Ring cross-sectional diameter	F	mm	14	19	23	27	33	38	45	50
Component end fitting										
Type			KLHW	KLHW	KLHW	KLHW	KLHW	KLHW	KLHW	KLHW
Hook base height	H	mm	20	26	30	40	50	62	65	79
Hook thickness	A	mm	17	20	29	35	41	50	52	61
Hook opening width	G	mm	28	34	45	52	60	70	81	100

- ▶ **Oversized quad assembly**
- ▶ **Quality grade: 10**
- ▶ **Shortening: cannot be shortened**
- ▶ **WLL: 3,35 t to 20 t**

Technical data

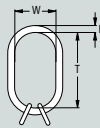
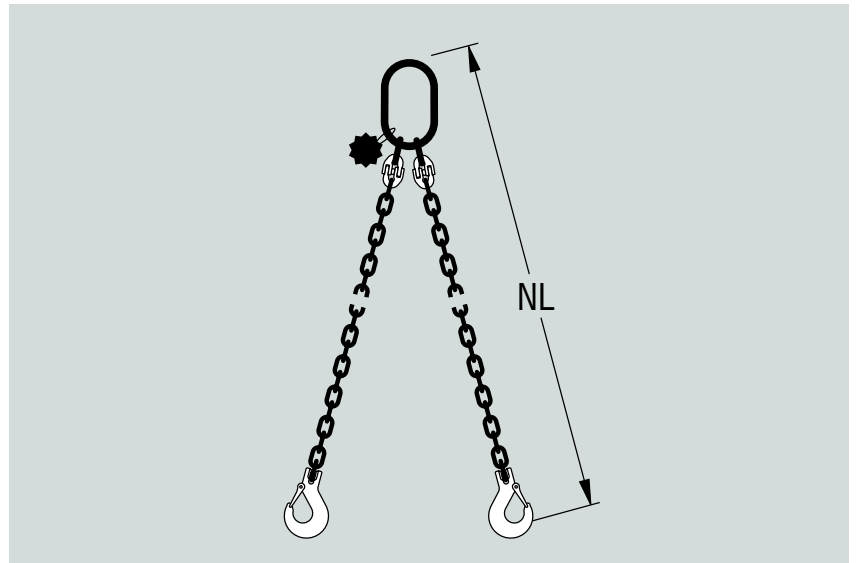
- ▶ **Operating temperature:**
 - 40 °C to +200 °C = 100 % working load limit;
 - +200 °C to +300 °C = 90 % working load limit;
 - +300 °C to +380 °C = 60 % working load limit
- ▶ **Standard:** Chain following DIN EN 818;
Chain components on the basis of DIN EN 1677
- ▶ **Safety factor: 4**
- ▶ **Identification mark:** Batch number and serial number; Quality grade no.;
- Quality grade and carrying capacity symbol
- ▶ **Legs Quantity:** 2-leg
- ▶ **Chain surface:** cathodic dip-paint coating
- ▶ **Chain color:** black
- ▶ **Structural element surface:** powder-coated
- ▶ **Structural element colour:** orange

HIT chain sling, 2-leg with extra-large suspension link

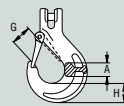
Chain sling with extra-large VLW suspension link and standard KHSW load hook for 2-leg attachment.

Ideally suited for all applications with standard crane hooks and for general lifting purposes.





Cathodic EPD provides extreme corrosion-protection.



VLW
see page 199



KHSW
see page 217

WLL direct 0-45°		kg	3550	5600	9500	14000	20000
WLL direct 45-60°		kg	2500	4000	6700	10000	14000
WLL strapped 0-45°		kg	2800	4250	7500	11200	16000
WLL strapped 45-60°		kg	2000	3150	5300	8000	11200
Nominal size of chain		mm	8	10	13	16	19
Standard usable length	NL	m	1	1	1	1	-
Reference no.			495545	495217	495222	495227	-
Standard usable length	NL	m	1,5	1,5	1,5	1,5	1,5
Reference no.			495546	495218	495223	495228	495450
Standard usable length	NL	m	2	2	2	2	2
Reference no.			495547	495219	495224	495229	495451
Standard usable length	NL	m	3	3	3	3	3
Reference no.			495548	495220	495225	495230	495452
Standard usable length	NL	m	4	4	4	4	4
Reference no.			495549	495221	495226	495231	495453
Component suspension							
Type			VLW	VLW	VLW	VLW	VLW
Clear height	T	mm	340	340	340	340	340
Clearance	W	mm	180	180	180	180	180
Ring cross-sectional diameter	F	mm	22	27	33	40	40
Component end fitting							
Type			KHSW	KHSW	KHSW	KHSW	KHSW
Hook base height	H	mm	28	35	41	49	53
Hook thickness	A	mm	19	25	34	37	51
Hook opening width	G	mm	26	31	39	45	53

- ▶ **Standard hook**
- ▶ **Quality grade: 10**
- ▶ **Shortening: can be shortened**
- ▶ **WLL: 2 t to 56 t**

Technical data

- ▶ **Operating temperature:**
 - 40 °C to +200 °C = 100 % working load limit;
 - +200 °C to +300 °C = 90 % working load limit;
 - +300 °C to +380 °C = 60 % working load limit
- ▶ **Standard:** Chain following DIN EN 818;
Chain components on the basis of DIN EN 1677
- ▶ **Safety factor:** 4
- ▶ **Identification mark:** Batch number and serial number; Quality grade no.;
Quality grade and carrying capacity symbol
- ▶ **Legs Quantity:** 2-leg
- ▶ **Chain surface:** cathodic dip-paint coating
- ▶ **Chain color:** black
- ▶ **Structural element surface:** powder-coated
- ▶ **Structural element colour:** orange

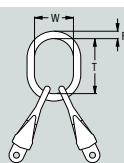
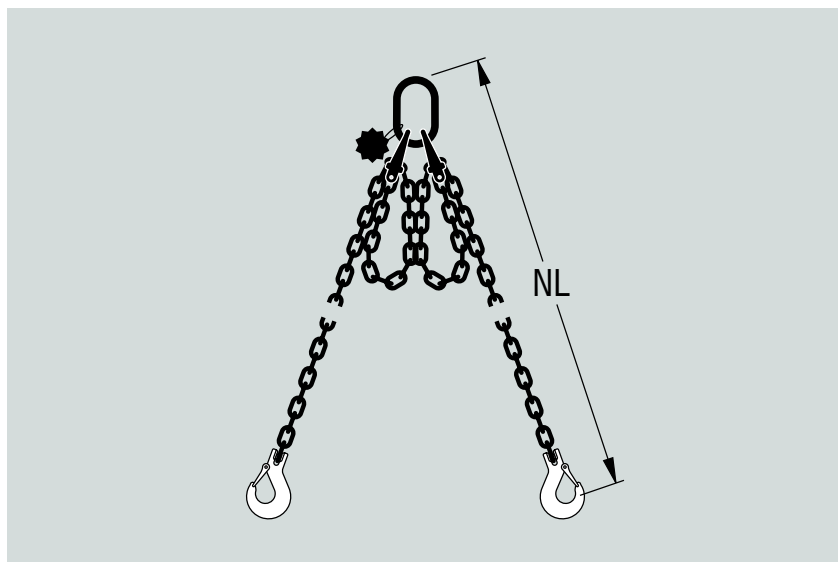
HIT chain sling, quality grade 10, 2-leg, can be shortened Standard

Chain sling with VMXKW/AW standard suspension link, integrated shortener/KPW/PW and KHSW/HSW standard load hook for 2-leg attachment.

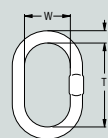
Ideally suited for all demanding applications with standard crane hooks and for general lifting purposes.

The shortener enables horizontal alignment of the load in multi-leg attachment even with difficult transport procedures as well as suitable adjustment of the load for assemblies.

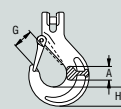
Cathodic EPD provides extreme corrosion-protection.



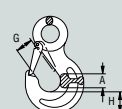
VMXKW
see page 208



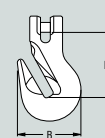
AW
see page 194



KHSW
see page 217







HSW
see page 219



KPW
see page 230



PW
see page 231

WLL direct 0-45°		kg	2000	3550	5600	9500	14000	20000	26500	37500	56000
WLL direct 45-60°		kg	1400	2500	4000	6700	10000	14000	19000	26500	40000
WLL strapped 0-45°		kg	1600	2800	4250	7500	11200	16000	21200	30000	44800
WLL strapped 45-60°		kg	1120	2000	3150	5300	8000	11200	15000	21200	32000
Nominal size of chain		mm	6	8	10	13	16	19	22	26	32
Standard usable length	NL	m	1	1	1	1	-	-	-	-	-
Reference no.			494788	494794	494799	500085	-	-	-	-	-
Standard usable length	NL	m	1,5	1,5	1,5	1,5	1,5	1,5	-	-	-
Reference no.			494790	494795	494800	494804	494808	500091	-	-	-
Standard usable length	NL	m	2	2	2	2	2	2	2	-	-
Reference no.			494791	494796	494801	494805	494809	495438	495441	-	-
Standard usable length	NL	m	3	3	3	3	3	3	3	3	3
Reference no.			494792	494797	494802	494806	494810	495439	495442	495602	495678
Standard usable length	NL	m	4	4	4	4	4	4	4	4	4
Reference no.			494793	494798	494803	494807	494811	495440	495443	495603	495679
Component suspension											
Type			VMXKW	VMXKW	VMXKW	VMXKW	VMXKW	AW	AW	AW	AW
Clear height	T	mm	120	160	170	190	230	260	340	350	400
Clearance	W	mm	70	95	105	110	130	140	180	190	200
Ring cross-sectional diameter	F	mm	14	19	23	27	33	36	45	50	60
Component shortening											
Type			integrat- ed in ring	integrat- ed in ring	integrat- ed in ring	integrat- ed in ring	integrat- ed in ring	KPW	KPW	PW	PW
Component end fitting											
Type			KHSW	KHSW	KHSW	KHSW	KHSW	HSW	HSW	HSW	HSW
Hook base height	H	mm	20	28	35	41	49	55	62	75	97
Hook thickness	A	mm	15	19	25	34	37	48	50	60	82
Hook opening width	G	mm	19	26	31	39	45	53	62	73	87

- ▶ Self-closing safety load hook
- ▶ Quality grade: 10
- ▶ Shortening: can be shortened
- ▶ WLL: 2 t to 37,5 t

Technical data

- ▶ **Operating temperature:**
 - 40 °C to +200 °C = 100 % working load limit;
 - +200 °C to +300 °C = 90 % working load limit;
 - +300 °C to +380 °C = 60 % working load limit
- ▶ **Standard:** Chain following DIN EN 818;
Chain components on the basis of DIN EN 1677
- ▶ **Safety factor:** 4
- ▶ **Identification mark:** Batch number and serial number; Quality grade no.; Quality grade and carrying capacity symbol
- ▶ **Legs Quantity:** 2-leg
- ▶ **Chain surface:** cathodic dip-paint coating
- ▶ **Chain color:** black
- ▶ **Structural element surface:** powder-coated
- ▶ **Structural element colour:** orange

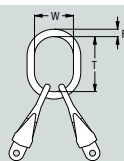
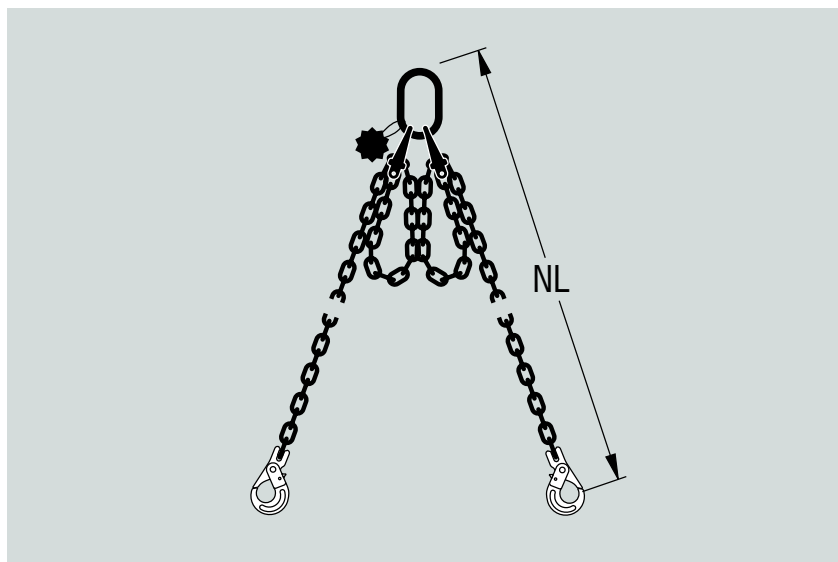
HIT chain sling, quality grade 10, 2-leg, can be shortened Safety load hook

Chain sling with VMXKW/AW standard suspension link, integrated shortener/KPW/PWs and self-closing standard KHSW safety load hooks for 2-leg attachment.

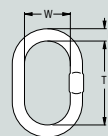
Ideally suited for all demanding applications with standard crane hooks and for general lifting purposes.

The shortener enables horizontal alignment of the load in multi-leg attachment even with difficult transport procedures as well as suitable adjustment of the load for assemblies.

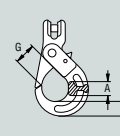
Cathodic EPD provides extreme corrosion-protection.



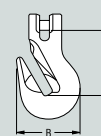
VMXKW
see page 208



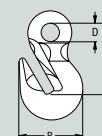
AW
see page 194







KLHW
see page 220



KPW
see page 230



PW
see page 231

WLL direct 0-45°		kg	2000	3550	5600	9500	14000	20000	26500	37500
WLL direct 45-60°		kg	1400	2500	4000	6700	10000	14000	19000	26500
WLL strapped 0-45°		kg	1600	2800	4250	7500	11200	16000	21200	30000
WLL strapped 45-60°		kg	1120	2000	3150	5300	8000	11200	15000	21200
Nominal size of chain		mm	6	8	10	13	16	19	22	26
Standard usable length	NL	m	1	1	1	-	-	-	-	-
Reference no.			495105	495110	495115	-	-	-	-	-
Standard usable length	NL	m	1,5	1,5	1,5	1,5	1,5	-	-	-
Reference no.			495106	495111	495116	495120	495124	-	-	-
Standard usable length	NL	m	2	2	2	2	2	2	2	2
Reference no.			495107	495112	495117	495121	495125	495444	495447	495717
Standard usable length	NL	m	3	3	3	3	3	3	3	3
Reference no.			495108	495113	495118	495122	495126	495445	495448	495718
Standard usable length	NL	m	4	4	4	4	4	4	4	4
Reference no.			495109	495114	495119	495123	495127	495446	495449	495719
Component suspension										
Type			VMXKW	VMXKW	VMXKW	VMXKW	VMXKW	AW	AW	AW
Clear height	T	mm	120	160	170	190	230	260	340	350
Clearance	W	mm	70	95	105	110	130	140	180	190
Ring cross-sectional diameter	F	mm	14	19	23	27	33	36	45	50
Component shortening										
Type			integrated in ring	integrated in ring	integrated in ring	integrated in ring	integrated in ring	KPW	KPW	PW
Component end fitting										
Type			KLHW	KLHW	KLHW	KLHW	KLHW	KLHW	KLHW	KLHW
Hook base height	H	mm	20	26	30	40	50	62	65	79
Hook thickness	A	mm	17	20	29	35	41	50	52	61
Hook opening width	G	mm	28	34	45	52	60	70	81	100

- ▶ **Oversized quad assembly**
- ▶ **Quality grade: 10**
- ▶ **Shortening: can be shortened**
- ▶ **WLL: 2 t to 14 t**

Technical data

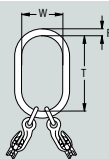
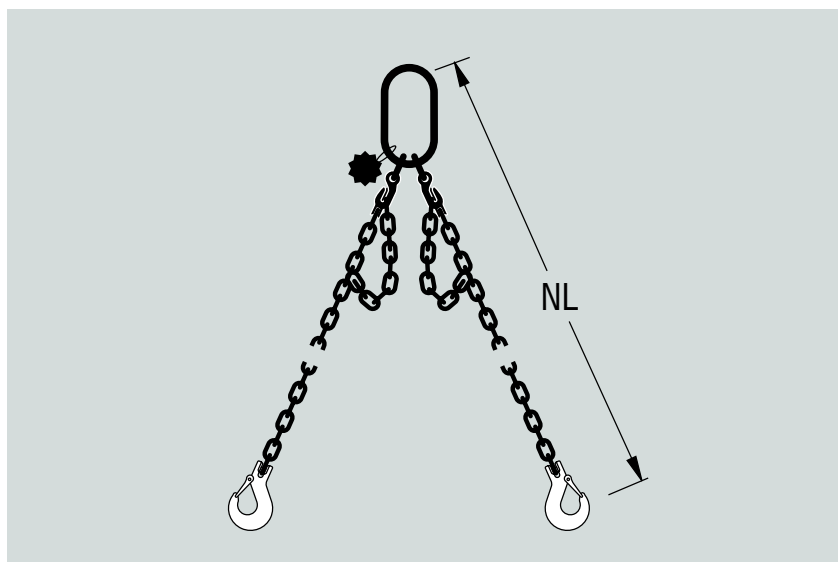
- ▶ **Operating temperature:**
 - 40 °C to +200 °C = 100 % working load limit;
 - +200 °C to +300 °C = 90 % working load limit;
 - +300 °C to +380 °C = 60 % working load limit
- ▶ **Standard:** Chain following DIN EN 818;
Chain components on the basis of DIN EN 1677
- ▶ **Safety factor:** 4
- ▶ **Identification mark:** Batch number and serial number; Quality grade no.; Quality grade and carrying capacity symbol
- ▶ **Legs Quantity:** 2-leg
- ▶ **Chain surface:** cathodic dip-paint coating
- ▶ **Chain color:** black
- ▶ **Structural element surface:** powder-coated
- ▶ **Structural element colour:** orange

HIT chain sling, quality grade 10, 2-leg, can be shortened with extra-large suspension link

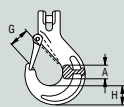
Chain sling with extra-large LXKW suspension link, integrated shortener and standard KHSW load hooks for 2-leg attachment. Ideally suited for all demanding applications with standard crane hooks and for general lifting purposes.

The shortener enables horizontal alignment of the load in multi-leg attachment even with difficult transport procedures as well as suitable adjustment of the load for assemblies.





Cathodic EPD provides extreme corrosion-protection.



LXKW
see page 211



KHSW
see page 217

WLL direct 0-45°		kg	2000	3550	5600	9500	14000
WLL direct 45-60°		kg	1400	2500	4000	6700	10000
WLL strapped 0-45°		kg	1600	2800	4250	7500	11200
WLL strapped 45-60°		kg	1120	2000	3150	5300	8000
Nominal size of chain		mm	6	8	10	13	16
Standard usable length	NL	m	1	1	-	-	-
Reference no.			495550	495555	-	-	-
Standard usable length	NL	m	1,5	1,5	1,5	1,5	-
Reference no.			495551	495556	494860	494864	-
Standard usable length	NL	m	2	2	2	2	2
Reference no.			495552	495557	494861	494865	494868
Standard usable length	NL	m	3	3	3	3	3
Reference no.			495553	495558	494862	494866	494869
Standard usable length	NL	m	4	4	4	4	4
Reference no.			495554	495559	494863	494867	494870
Component suspension							
Type			LXKW	LXKW	LXKW	LXKW	LXKW
Clear height	T	mm	340	340	340	340	340
Clearance	W	mm	180	180	180	180	180
Ring cross-sectional diameter	F	mm	23	23	27	33	40
Component shortening							
Type			integrated in ring	integrated in ring	integrated in ring	integrated in ring	integrated in ring
Component end fitting							
Type			KHSW	KHSW	KHSW	KHSW	KHSW
Hook base height	H	mm	20	28	35	41	49
Hook thickness	A	mm	15	19	25	34	37
Hook opening width	G	mm	19	26	31	39	45

- ▶ **Universal connecting link end fitting**
- ▶ **Quality grade: 10**
- ▶ **Shortening: cannot be shortened**
- ▶ **WLL: 2 t to 56 t**

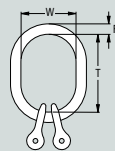
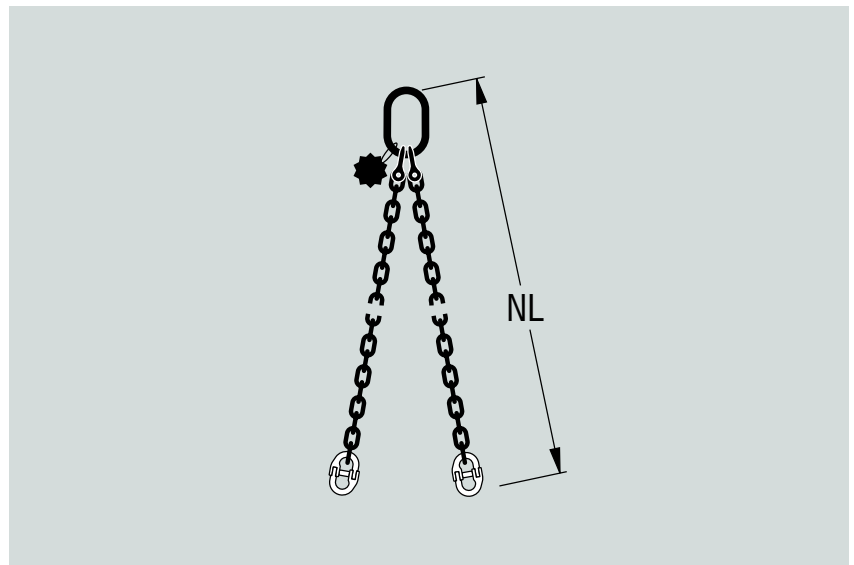
Technical data

- ▶ **Operating temperature:**
 - 40 °C to +200 °C = 100 % working load limit;
 - +200 °C to +300 °C = 90 % working load limit;
 - +300 °C to +380 °C = 60 % working load limit
- ▶ **Standard:** Chain following DIN EN 818;
Chain components on the basis of DIN EN 1677
- ▶ **Safety factor:** 4
- ▶ **Identification mark:** Batch number and serial number; Quality grade no.;
Quality grade and carrying capacity symbol
- ▶ **Legs Quantity:** 2-leg
- ▶ **Chain surface:** cathodic dip-paint coating
- ▶ **Chain color:** black
- ▶ **Structural element surface:** powder-coated
- ▶ **Structural element colour:** orange

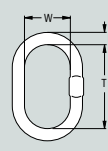
HIT chain sling, 2-leg – Universal connecting link end fitting

Chain sling with standard KMGW/AW suspension link and end connection CW universal connecting link for 2-leg attachment. Ideally suited for all applications with standard crane hooks and for general lifting purposes.

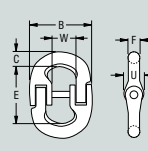
Cathodic EPD provides extreme corrosion-protection. Further attachments can be easily connected.





KMGW
see page 205



AW
see page 194



CW
see page 213

WLL direct 0-45°		kg	2000	3550	5600	9500	14000	20000	26500	37500	56000
WLL direct 45-60°		kg	1400	2500	4000	6700	10000	14000	19000	26500	40000
Nominal size of chain		mm	6	8	10	13	16	19	22	26	32
Standard usable length	NL	m	1	1	1	1	1	1	1	-	-
Reference no.			495012	495017	495022	495027	495032	495454	495459	-	-
Standard usable length	NL	m	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5
Reference no.			495013	495018	495023	495028	495033	495455	495460	495598	495693
Standard usable length	NL	m	2	2	2	2	2	2	2	2	2
Reference no.			495014	495019	495024	495029	495034	495456	495461	495599	495694
Standard usable length	NL	m	3	3	3	3	3	3	3	3	3
Reference no.			495015	495020	495025	495030	495035	495457	495462	495600	495695
Standard usable length	NL	m	4	4	4	4	4	4	4	4	4
Reference no.			495016	495021	495026	495031	495036	495458	495463	495601	495696
Component suspension											
Type			KMGW	KMGW	KMGW	KMGW	KMGW	KMGW	KAGW	AW	AW
Clear height	T	mm	120	160	160	190	230	275	340	350	400
Clearance	W	mm	70	95	110	110	130	150	180	190	200
Ring cross-sectional diameter	F	mm	14	19	23	27	33	38	45	50	60
Component end fitting											
Type			CW	CW	CW	CW	CW	CW	CW	CW	CW

- ▶ Coupling shackle end fitting
- ▶ Quality grade: 10
- ▶ Shortening: cannot be shortened
- ▶ WLL: 3,35 t to 9,5 t

Technical data

- ▶ **Operating temperature:**
 - 40 °C to +200 °C = 100 % working load limit;
 - +200 °C to +300 °C = 90 % working load limit;
 - +300 °C to +380 °C = 60 % working load limit
- ▶ **Standard:** Chain following DIN EN 818;
Chain components on the basis of DIN EN 1677
- ▶ **Safety factor:** 4
- ▶ **Identification mark:** Batch number and serial number; Quality grade no.; Quality grade and carrying capacity symbol
- ▶ **Legs Quantity:** 2-leg
- ▶ **Chain surface:** cathodic dip-paint coating
- ▶ **Chain color:** black
- ▶ **Structural element surface:** powder-coated
- ▶ **Structural element colour:** orange

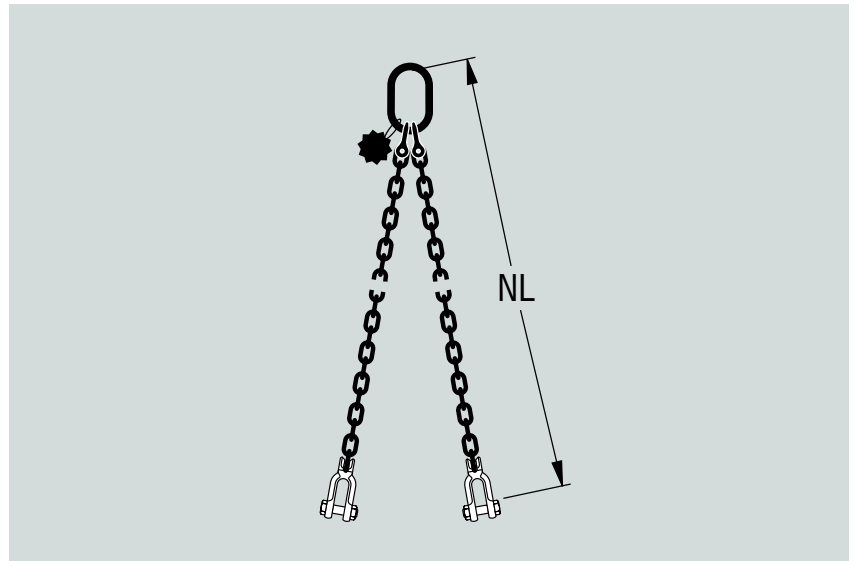
HIT chain sling, 2-leg – Coupling shackle end fitting

Chain sling with standard KMGW suspension link and end connection KSCHW coupling shackle for 2-leg attachment.

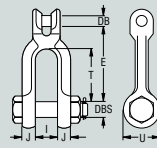
Ideally suited for all applications with standard crane hooks and for general lifting purposes.

Cathodic EPD provides extreme corrosion-protection.



Further attachments can be easily connected.



KMGW
see page 205



KSCHW
see page 233

WLL direct 0-45°		kg	3550	5600	9500
WLL direct 45-60°		kg	2500	4000	6700
Nominal size of chain		mm	8	10	13
Standard usable length	NL	m	1	1	1
Reference no.			494871	494876	494881
Standard usable length	NL	m	1,5	1,5	1,5
Reference no.			494872	494877	494882
Standard usable length	NL	m	2	2	2
Reference no.			494873	494878	494883
Standard usable length	NL	m	3	3	3
Reference no.			494874	494879	494884
Standard usable length	NL	m	4	4	4
Reference no.			494875	494880	494885
Component suspension					
Type			KMGW	KMGW	KMGW
Clear height	T	mm	160	160	190
Clearance	W	mm	95	110	110
Ring cross-sectional diameter	F	mm	19	23	27
Component end fitting					
Type			KSCHW	KSCHW	KSCHW

- ▶ **Standard hook**
- ▶ **Quality grade: 10**
- ▶ **Shortening: cannot be shortened**
- ▶ **WLL: 3 t to 84 t**

Technical data

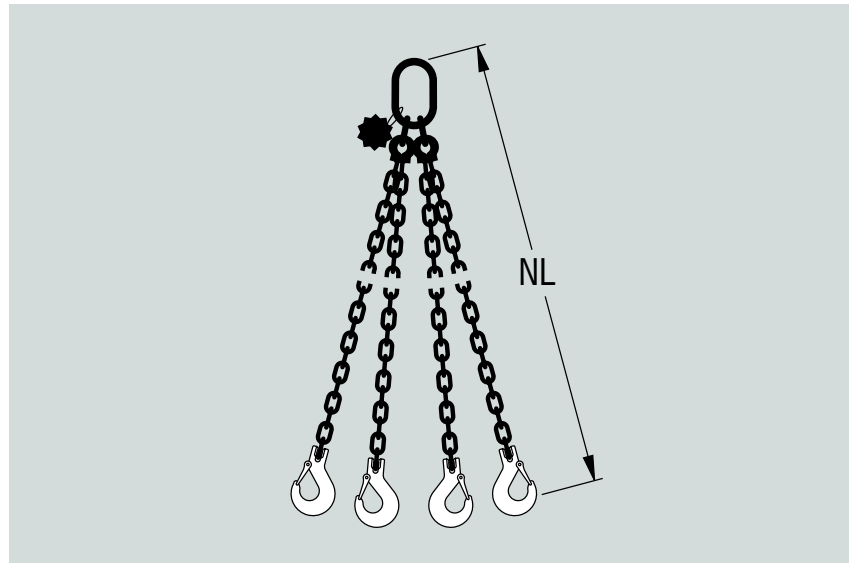
- ▶ **Operating temperature:**
 - 40 °C to +200 °C = 100 % working load limit;
 - +200 °C to +300 °C = 90 % working load limit;
 - +300 °C to +380 °C = 60 % working load limit
- ▶ **Standard:** Chain following DIN EN 818;
Chain components on the basis of DIN EN 1677
- ▶ **Safety factor: 4**
- ▶ **Identification mark:** Batch number and serial number; Quality grade no.;
Quality grade and carrying capacity symbol
- ▶ **Legs Quantity:** 4-leg
- ▶ **Chain surface:** cathodic dip-paint coating
- ▶ **Chain color:** black
- ▶ **Structural element surface:** powder-coated
- ▶ **Structural element colour:** orange

HIT chain sling, 4-leg Standard hook

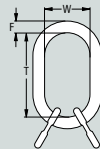
Chain sling with KMGW/VW standard suspension link and KHSW/HSW standard load hook for 4 leg attachment.

Ideally suited for all applications with standard crane hooks and for general lifting purposes

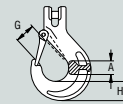
Cathodic EPD provides extreme corrosion-protection.



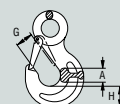
KMGW
see page 206





VW
see page 195



KHSW
see page 217



HSW
see page 219

WLL direct 0-45°		kg	3000	5300	8000	14000	21200	30000	40000	56000	84000
WLL direct 45-60°		kg	2120	3750	6000	10000	15000	21200	28000	40000	60000
Nominal size of chain		mm	6	8	10	13	16	19	22	26	32
Standard usable length	NL	m	1	1	1	1	1	-	-	-	-
Reference no.			494763	494768	494773	494778	494783	-	-	-	-
Standard usable length	NL	m	1,5	1,5	1,5	1,5	1,5	1,5	1,5	-	-
Reference no.			494764	494769	494774	494779	494784	495464	495468	-	-
Standard usable length	NL	m	2	2	2	2	2	2	2	2	2
Reference no.			494765	494770	494775	494780	494785	495465	495469	495591	495680
Standard usable length	NL	m	3	3	3	3	3	-	3	3	3
Reference no.			494766	494771	494776	494781	494786	-	495470	495592	495681
Standard usable length	NL	m	4	4	4	4	4	-	4	4	4
Reference no.			494767	494772	494777	494782	494787	-	495471	495593	495682
Component suspension											
Type			KMGW	KMGW	KMGW	KMGW	KMGW	KMGW	KMGW	VW	VW
Clear height	T	mm	160	170	190	230	275	350	350	400	460
Clearance	W	mm	95	105	110	130	150	250	250	200	250
Ring cross-sectional diameter	F	mm	19	23	27	33	38	56	56	60	70
Component end fitting											
Type			KHSW	KHSW	KHSW	KHSW	KHSW	HSW	HSW	HSW	HSW
Hook base height	H	mm	20	28	35	41	49	55	62	75	97
Hook thickness	A	mm	15	19	25	34	37	48	50	60	82
Hook opening width	G	mm	19	26	31	39	45	53	62	73	87

- ▶ Self-closing safety load hook
- ▶ Quality grade: 10
- ▶ Shortening: cannot be shortened
- ▶ WLL: 3 t to 56 t

Technical data

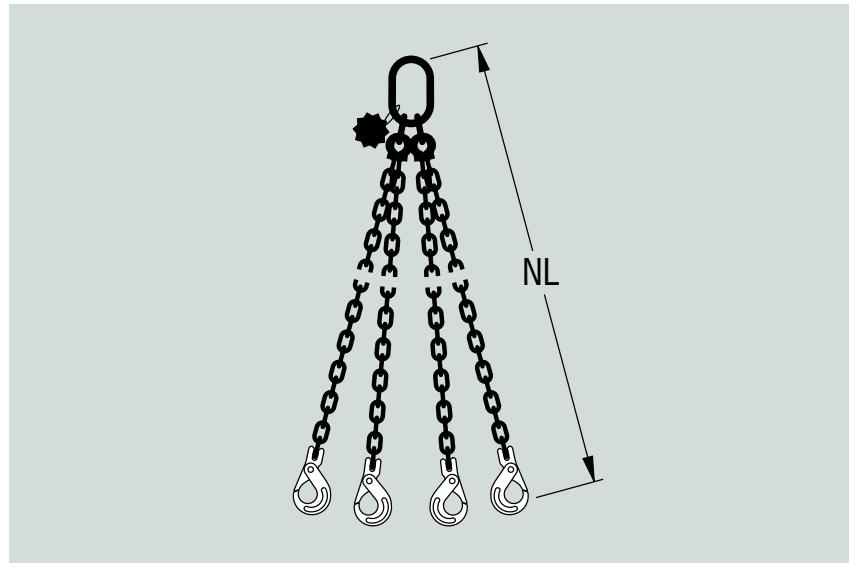
- ▶ **Operating temperature:**
 - 40 °C to +200 °C = 100 % working load limit;
 - +200 °C to +300 °C = 90 % working load limit;
 - +300 °C to +380 °C = 60 % working load limit
- ▶ **Standard:** Chain following DIN EN 818;
Chain components on the basis of DIN EN 1677
- ▶ **Safety factor:** 4
- ▶ **Identification mark:** Batch number and serial number; Quality grade no.;
- Quality grade and carrying capacity symbol
- ▶ **Legs Quantity:** 4-leg
- ▶ **Chain surface:** cathodic dip-paint coating
- ▶ **Chain color:** black
- ▶ **Structural element surface:** powder-coated
- ▶ **Structural element colour:** orange

HIT chain sling, 4-leg Safety load hook

Chain sling with KMGW/AW standard suspension link. and self-closing KLHW safety load hook for 4-leg attachment.

Ideally suited for all applications with standard crane hooks and for general lifting purposes

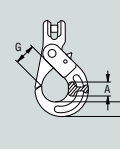
Cathodic EPD provides extreme corrosion-protection.





KMGW
see page 206



VW
see page 195



KLHW
see page 220

WLL direct 0-45°		kg	3000	5300	8000	14000	21200	30000	40000	56000
WLL direct 45-60°		kg	2120	3750	6000	10000	15000	21200	28000	40000
Nominal size of chain		mm	6	8	10	13	16	19	22	26
Standard usable length	NL	m	1	1	1	1	1	-	-	-
Reference no.			495037	495042	495047	495052	495057	-	-	-
Standard usable length	NL	m	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5
Reference no.			495038	495043	495048	495053	495058	495472	495476	495720
Standard usable length	NL	m	2	2	2	2	2	2	2	2
Reference no.			495039	495044	495049	495054	495059	495473	495477	495721
Standard usable length	NL	m	3	3	3	3	3	3	3	3
Reference no.			495040	495045	495050	495055	495060	495474	495478	495722
Standard usable length	NL	m	4	4	4	4	4	4	4	4
Reference no.			495041	495046	495051	495056	495061	495475	495479	495723
Component suspension										
Type			KMGW	KMGW	KMGW	KMGW	KMGW	KMGW	KMGW	VW
Clear height	T	mm	160	170	190	230	275	350	350	400
Clearance	W	mm	95	105	110	130	150	250	250	200
Ring cross-sectional diameter	F	mm	19	23	27	33	38	56	56	60
Component end fitting										
Type			KLHW	KLHW	KLHW	KLHW	KLHW	KLHW	KLHW	KLHW
Hook base height	H	mm	20	26	30	40	50	62	65	79
Hook thickness	A	mm	17	20	29	35	41	50	52	61
Hook opening width	G	mm	28	34	45	52	60	70	81	100

- ▶ **Oversized quad assembly**
- ▶ **Quality grade: 10**
- ▶ **Shortening: cannot be shortened**
- ▶ **WLL: 3 t to 21,2 t**

Technical data

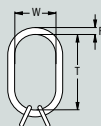
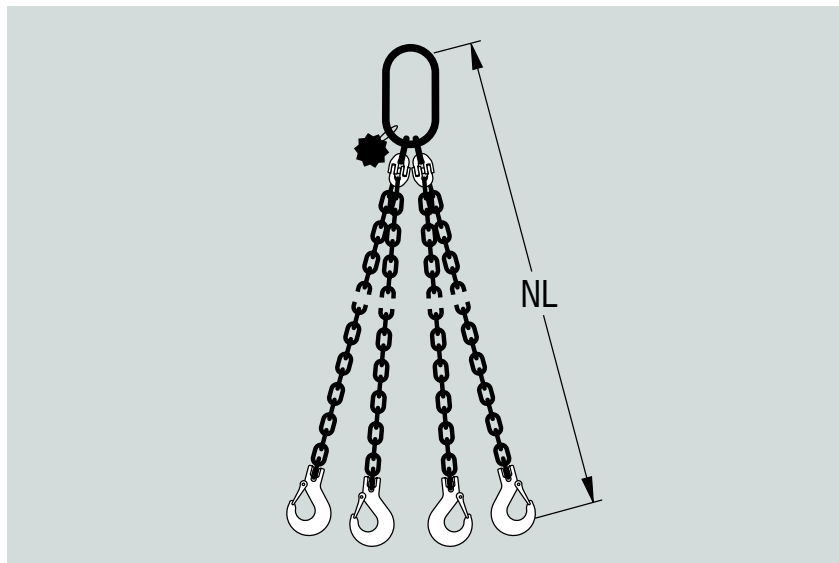
- ▶ **Operating temperature:**
 - 40 °C to +200 °C = 100 % working load limit;
 - +200 °C to +300 °C = 90 % working load limit;
 - +300 °C to +380 °C = 60 % working load limit
- ▶ **Standard:** Chain following DIN EN 818;
Chain components on the basis of DIN EN 1677
- ▶ **Safety factor: 4**
- ▶ **Identification mark:** Batch number and serial number; Quality grade no.; Quality grade and carrying capacity symbol
- ▶ **Legs Quantity:** 4-leg
- ▶ **Chain surface:** cathodic dip-paint coating
- ▶ **Chain color:** black
- ▶ **Structural element surface:** powder-coated
- ▶ **Structural element colour:** orange

HIT chain sling, 4-leg with extra-large suspension link

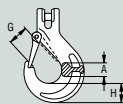
Chain sling with extra-large VLW suspension link and standard KHSW load hook for 4-leg attachment.

Ideally suited for all applications with standard crane hooks and for general lifting purposes



Cathodic EPD provides extreme corrosion-protection.



VLW
see page 200



KHSW
see page 217

WLL direct 0-45°		kg	3000	5300	8000	14000	21200
WLL direct 45-60°		kg	2120	3750	6000	10000	15000
Nominal size of chain		mm	6	8	10	13	16
Standard usable length	NL	m	1	1	1	1	1
Reference no.			495584	495560	495232	495237	495242
Standard usable length	NL	m	1,5	1,5	1,5	1,5	1,5
Reference no.			495585	495561	495233	495238	495243
Standard usable length	NL	m	2	2	2	2	2
Reference no.			495586	495562	495234	495239	495244
Standard usable length	NL	m	3	3	3	3	3
Reference no.			495587	495563	495235	495240	495245
Standard usable length	NL	m	4	4	4	4	4
Reference no.			495588	495564	495236	495241	495246
Component suspension							
Type			VLW	VLW	VLW	VLW	VLW
Clear height	T	mm	340	340	340	340	340
Clearance	W	mm	180	180	180	180	180
Ring cross-sectional diameter	F	mm	22	27	33	40	40
Component end fitting							
Type			KHSW	KHSW	KHSW	KHSW	KHSW
Hook base height	H	mm	20	28	35	41	49
Hook thickness	A	mm	15	19	25	34	37
Hook opening width	G	mm	19	26	31	39	45

- ▶ **Standard hook**
- ▶ **Quality grade: 10**
- ▶ **Shortening: can be shortened**
- ▶ **WLL: 3 t to 84 t**

Technical data

- ▶ **Operating temperature:**
 - 40 °C to +200 °C = 100 % working load limit;
 - +200 °C to +300 °C = 90 % working load limit;
 - +300 °C to +380 °C = 60 % working load limit
- ▶ **Standard:** Chain following DIN EN 818;
Chain components on the basis of DIN EN 1677
- ▶ **Safety factor:** 4
- ▶ **Identification mark:** Batch number and serial number; Quality grade no.;
Quality grade and carrying capacity symbol
- ▶ **Legs Quantity:** 4-leg
- ▶ **Chain surface:** cathodic dip-paint coating
- ▶ **Chain color:** black
- ▶ **Structural element surface:** powder-coated
- ▶ **Structural element colour:** orange

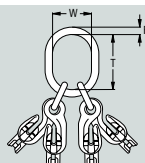
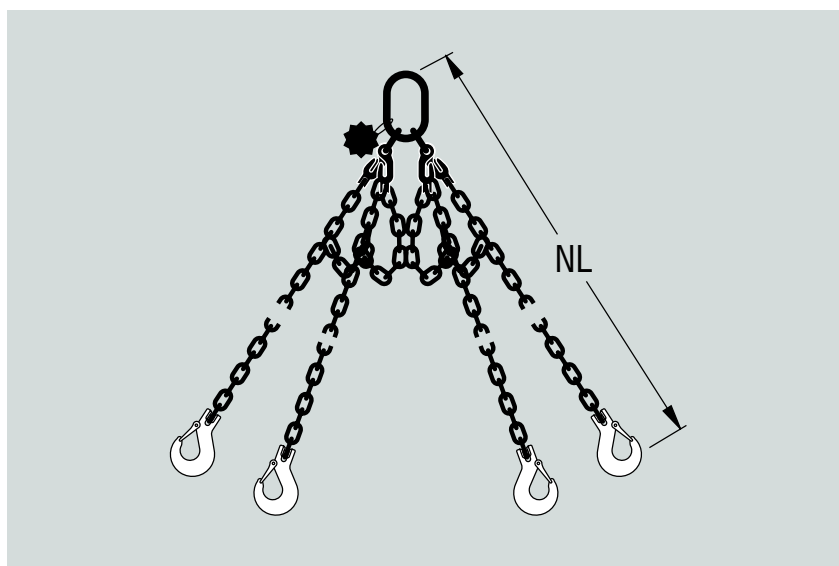
HIT chain sling, 4-leg, can be shortened Standard hook

Chain sling with standard VMXKW/VW suspension link, integrated XKW/KPW/PW shorteners and standard KHSW/HSW load hooks for 4-leg attachment.

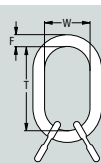
Ideally suited for all demanding applications with standard crane hooks and for general lifting purposes.

The shortener enables horizontal alignment of the load in multi-leg attachment even with difficult transport procedures as well as suitable adjustment of the load for assemblies.

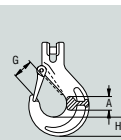
Cathodic EPD provides extreme corrosion-protection.



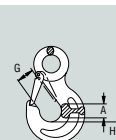
VMXKW
see page 209



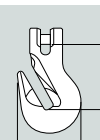
VW
see page 195



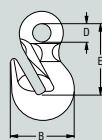
KHSW
see page 217



HSW
see page 219



KPW
see page 230



PW
see page 231

WLL direct 0-45°		kg	3000	5300	8000	14000	21200	30000	40000	56000	84000
WLL direct 45-60°		kg	2120	3750	6000	10000	15000	21200	28000	40000	60000
Nominal size of chain		mm	6	8	10	13	16	19	22	26	32
Standard usable length	NL	m	1	1	1	-	-	-	-	-	-
Reference no.			494812	494817	494822	-	-	-	-	-	-
Standard usable length	NL	m	1,5	1,5	1,5	1,5	-	-	-	-	-
Reference no.			494813	494818	494823	494827	-	-	-	-	-
Standard usable length	NL	m	2	2	2	2	2	2	2	-	-
Reference no.			494814	494819	494824	494828	494831	495480	495483	-	-
Standard usable length	NL	m	3	3	3	3	3	3	3	3	3
Reference no.			494815	494820	494825	494829	494832	495481	495484	495589	495683
Standard usable length	NL	m	4	4	4	4	4	4	4	4	4
Reference no.			494816	494821	494826	494830	494833	495482	495485	495590	495684
Component suspension											
Type			VMXKW	VMXKW	VMXKW	VMXKW	VMXKW	VW	VW	VW	VW
Clear height	T	mm	160	170	190	230	275	350	350	400	460
Clearance	W	mm	95	105	110	130	150	190	190	200	250
Ring cross-sectional diameter	F	mm	19	23	27	33	38	50	50	60	70
Component shortening											
Type			integrated in ring	integrated in ring	integrated in ring	integrated in ring	integrated in ring	KPW	KPW	PW	PW
Component end fitting											
Type			KHSW	KHSW	KHSW	KHSW	KHSW	HSW	HSW	HSW	HSW
Hook base height	H	mm	20	28	35	41	49	55	62	75	97
Hook thickness	A	mm	15	19	25	34	37	48	50	60	82
Hook opening width	G	mm	19	26	31	39	45	53	62	73	87

- ▶ Self-closing safety load hook
- ▶ Quality grade: 10
- ▶ Shortening: can be shortened
- ▶ WLL: 3 t to 56 t

Technical data

- ▶ **Operating temperature:**
 - 40 °C to +200 °C = 100 % working load limit;
 - +200 °C to +300 °C = 90 % working load limit;
 - +300 °C to +380 °C = 60 % working load limit
- ▶ **Standard:** Chain following DIN EN 818;
Chain components on the basis of DIN EN 1677
- ▶ **Safety factor:** 4
- ▶ **Identification mark:** Batch number and serial number; Quality grade no.;
Quality grade and carrying capacity symbol
- ▶ **Legs Quantity:** 4-leg
- ▶ **Chain surface:** cathodic dip-paint coating
- ▶ **Chain color:** black
- ▶ **Structural element surface:** powder-coated
- ▶ **Structural element colour:** orange

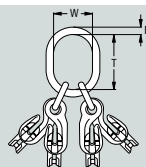
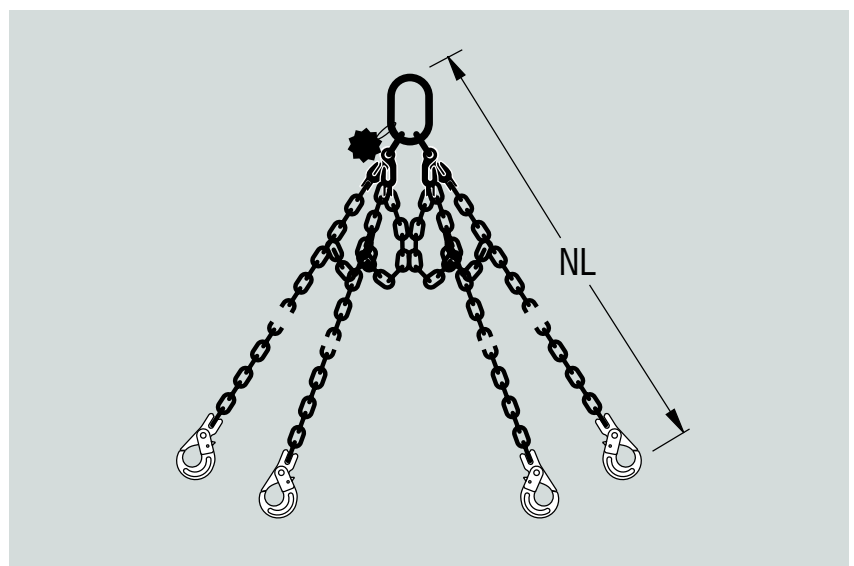
HIT chain sling, 4-leg, can be shortened Safety load hook

Chain sling with VMXKW/VW standard suspension link, integrated shorteners/KPW/PWs and self-closing KHLW safety load hooks for 4-leg attachment.

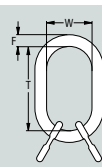
Ideally suited for all demanding applications with standard crane hooks and for general lifting purposes.

The shortener enables horizontal alignment of the load in multi-leg attachment even with difficult transport procedures as well as suitable adjustment of the load for assemblies.

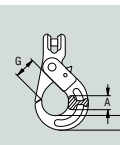
Cathodic EPD provides extreme corrosion-protection.



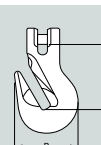
VMXKW
see page 209



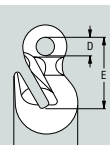
VW
see page 195





KHLW
see page 220



KPW
see page 230



PW
see page 231

WLL direct 0-45°		kg	3000	5300	8000	14000	21200	30000	40000	56000
WLL direct 45-60°		kg	2120	3750	6000	10000	15000	21200	28000	40000
Nominal size of chain		mm	6	8	10	13	16	19	22	26
Standard usable length	NL	m	1	1	1	-	-	-	-	-
Reference no.			495128	495133	495138	-	-	-	-	-
Standard usable length	NL	m	1,5	1,5	1,5	1,5	-	-	-	-
Reference no.			495129	495134	495139	495143	-	-	-	-
Standard usable length	NL	m	2	2	2	2	2	2	2	2
Reference no.			495130	495135	495140	495144	495147	495486	495489	495724
Standard usable length	NL	m	3	3	3	3	3	3	3	3
Reference no.			495131	495136	495141	495145	495148	495487	495490	495725
Standard usable length	NL	m	4	4	4	4	4	4	4	4
Reference no.			495132	495137	495142	495146	495149	495488	495491	495726
Component suspension										
Type			VMXKW	VMXKW	VMXKW	VMXKW	VMXKW	VW	VW	VW
Clear height	T	mm	160	170	190	230	275	350	350	400
Clearance	W	mm	95	105	110	130	150	190	190	200
Ring cross-sectional diameter	F	mm	19	23	27	33	38	50	50	60
Component shortening										
Type			integrated in ring	integrated in ring	integrated in ring	integrated in ring	integrated in ring	KPW	KPW	PW
Component end fitting										
Type			KLHW	KLHW	KLHW	KLHW	KLHW	KLHW	KLHW	KLHW
Hook base height	H	mm	20	26	30	40	50	62	65	79
Hook thickness	A	mm	17	20	29	35	41	50	52	61
Hook opening width	G	mm	28	34	45	52	60	70	81	100

- ▶ **Oversized quad assembly**
- ▶ **Quality grade: 10**
- ▶ **Shortening: can be shortened**
- ▶ **WLL: 3 t to 21,2 t**

Technical data

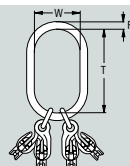
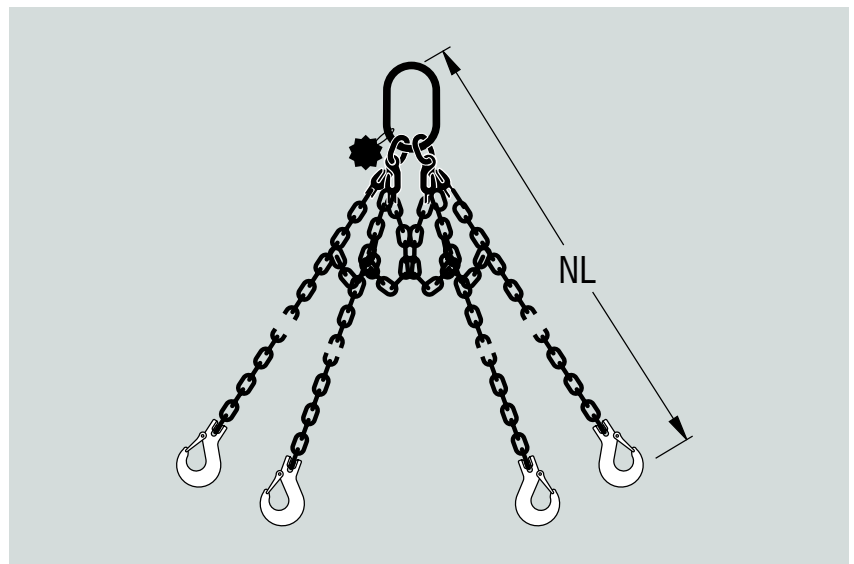
- ▶ **Operating temperature:**
 - 40 °C to +200 °C = 100 % working load limit;
 - +200 °C to +300 °C = 90 % working load limit;
 - +300 °C to +380 °C = 60 % working load limit
- ▶ **Standard:** Chain following DIN EN 818;
Chain components on the basis of DIN EN 1677
- ▶ **Safety factor:** 4
- ▶ **Identification mark:** Batch number and serial number; Quality grade no.;
Quality grade and carrying capacity symbol
- ▶ **Legs Quantity:** 4-leg
- ▶ **Chain surface:** cathodic dip-paint coating
- ▶ **Chain color:** black
- ▶ **Structural element surface:** powder-coated
- ▶ **Structural element colour:** orange

HIT chain sling, 4-leg, can be shortened with extra-large suspension link

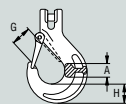
Chain sling with extra-large LXKW suspension link, integrated shorteners and standard KHSW load hooks for 4-leg attachment. Ideally suited for all demanding applications with standard crane hooks and for general lifting purposes.

The shortener enables horizontal alignment of the load in multi-leg attachment even with difficult transport procedures as well as suitable adjustment of the load for assemblies.



Cathodic EPD provides extreme corrosion-protection.



LXKW
see page 212



KHSW
see page 217

WLL direct 0-45°		kg	3000	5300	8000	14000	21200
WLL direct 45-60°		kg	2120	3750	6000	10000	15000
Nominal size of chain		mm	6	8	10	13	16
Standard usable length	NL	m	1	1	-	-	-
Reference no.			495565	495569	-	-	-
Standard usable length	NL	m	-	1,5	1,5	1,5	-
Reference no.			-	495570	494886	494890	-
Standard usable length	NL	m	2	2	2	2	2
Reference no.			495566	495571	494887	494891	494894
Standard usable length	NL	m	3	3	3	3	3
Reference no.			495567	495572	494888	494892	494895
Standard usable length	NL	m	4	4	4	4	4
Reference no.			495568	495573	494889	494893	494896
Component suspension							
Type			LXKW	LXKW	LXKW	LXKW	LXKW
Clear height	T	mm	340	340	340	340	340
Clearance	W	mm	180	180	180	180	180
Ring cross-sectional diameter	F	mm	23	27	33	40	40
Component shortening							
Type			integrated in ring	integrated in ring	integrated in ring	integrated in ring	integrated in ring
Component end fitting							
Type			KHSW	KHSW	KHSW	KHSW	KHSW
Hook base height	H	mm	20	28	35	41	49
Hook thickness	A	mm	15	19	25	34	37
Hook opening width	G	mm	19	26	31	39	45

- ▶ **Universal connecting link end fitting**
- ▶ **Quality grade: 10**
- ▶ **Shortening: cannot be shortened**
- ▶ **WLL: 3 t to 84 t**

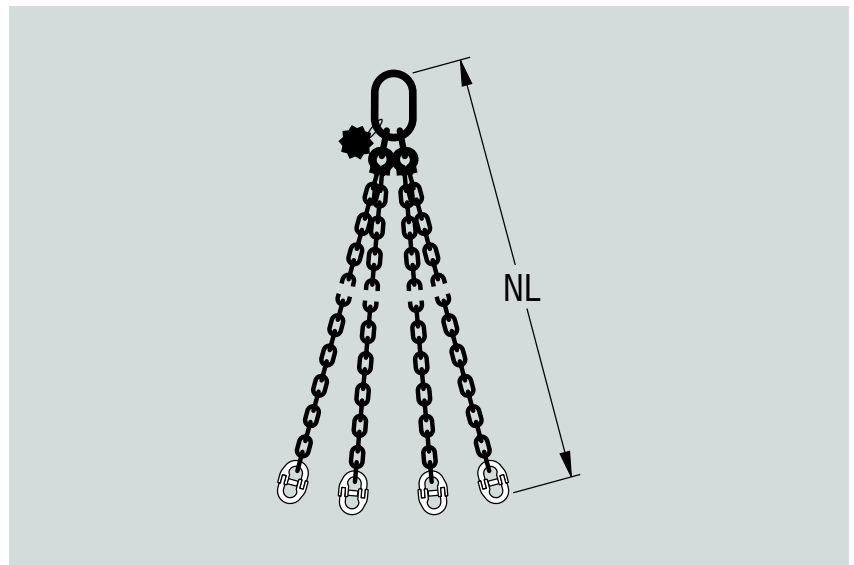
Technical data

- ▶ **Operating temperature:**
 - 40 °C to +200 °C = 100 % working load limit;
 - +200 °C to +300 °C = 90 % working load limit;
 - +300 °C to +380 °C = 60 % working load limit
- ▶ **Standard:** Chain following DIN EN 818;
Chain components on the basis of DIN EN 1677
- ▶ **Safety factor: 4**
- ▶ **Identification mark:** Batch number and serial number; Quality grade no.;
Quality grade and carrying capacity symbol
- ▶ **Legs Quantity:** 4-leg
- ▶ **Chain surface:** cathodic dip-paint coating
- ▶ **Chain color:** black
- ▶ **Structural element surface:** powder-coated
- ▶ **Structural element colour:** orange

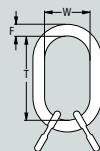
HIT chain sling, 4-leg – Universal connecting link end fitting

Chain sling with standard KMGW/AW suspension link and end connection CW universal connecting link for 4-leg attachment. Ideally suited for all applications with standard crane hooks and for general lifting purposes

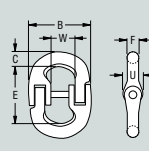
Cathodic EPD provides extreme corrosion-protection. Further attachments can be easily connected.





KMGW
see page 206



VW
see page 195



CW
see page 213

WLL direct 0-45°		kg	3000	5300	8000	14000	21200	30000	40000	56000	84000
WLL direct 45-60°		kg	2120	3750	6000	10000	15000	21200	28000	40000	60000
Nominal size of chain		mm	6	8	10	13	16	19	22	26	32
Standard usable length	NL	m	1	1	1	1	1	-	-	-	-
Reference no.			495062	495067	495072	495077	495082	-	-	-	-
Standard usable length	NL	m	1,5	1,5	1,5	1,5	1,5	1,5	1,5	-	-
Reference no.			495063	495068	495073	495078	495083	495492	495496	-	-
Standard usable length	NL	m	2	2	2	2	2	2	2	2	2
Reference no.			495064	495069	495074	495079	495084	495493	495497	495578	495697
Standard usable length	NL	m	3	3	3	3	3	3	3	3	3
Reference no.			495065	495070	495075	495080	495085	495494	495498	495579	495698
Standard usable length	NL	m	4	4	4	4	4	4	4	4	4
Reference no.			495066	495071	495076	495081	495086	495495	495499	495580	495699
Component suspension											
Type			KMGW	KMGW	KMGW	KMGW	KMGW	KMGW	KMGW	VW	VW
Clear height	T	mm	160	170	190	230	275	350	350	400	460
Clearance	W	mm	95	105	110	130	150	250	250	200	250
Ring cross-sectional diameter	F	mm	19	23	27	33	38	56	56	60	70
Component end fitting											
Type			CW	CW	CW	CW	CW	CW	CW	CW	CW

- ▶ Coupling shackle end fitting
- ▶ Quality grade: 10
- ▶ Shortening: cannot be shortened
- ▶ WLL: 5,3 t to 14 t

Technical data

- ▶ **Operating temperature:**
 - 40 °C to +200 °C = 100 % working load limit;
 - +200 °C to +300 °C = 90 % working load limit;
 - +300 °C to +380 °C = 60 % working load limit
- ▶ **Standard:** Chain following DIN EN 818;
Chain components on the basis of DIN EN 1677
- ▶ **Safety factor:** 4
- ▶ **Identification mark:** Batch number and serial number; Quality grade no.;;
Quality grade and carrying capacity symbol
- ▶ **Legs Quantity:** 4-leg
- ▶ **Chain surface:** cathodic dip-paint coating
- ▶ **Chain color:** black
- ▶ **Structural element surface:** powder-coated
- ▶ **Structural element colour:** orange

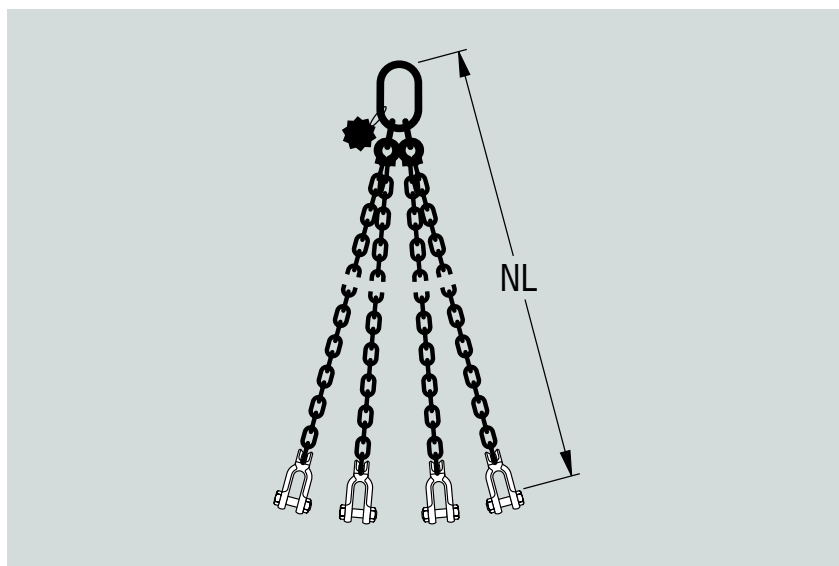
HIT chain sling, 4-leg – Coupling shackle end fitting

Chain sling with standard KMGW suspension link and end connection KSCHW coupling shackle for 4-leg attachment.

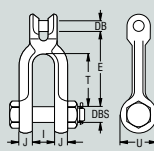
Ideally suited for all applications with standard crane hooks and for general lifting purposes.

Cathodic EPD provides extreme corrosion-protection.



Further attachments can be easily connected.



KMGW
see page 206



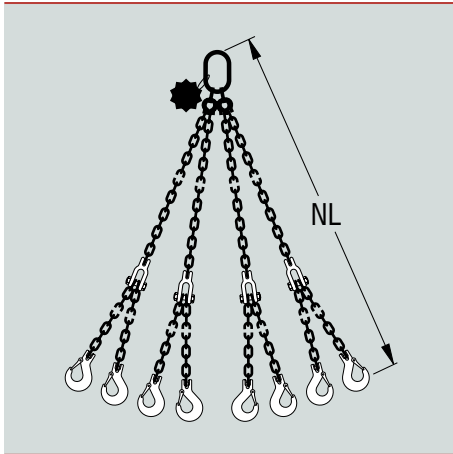
KSCHW
see page 233

WLL direct 0-45°		kg	5300	8000	14000
WLL direct 45-60°		kg	3750	6000	10000
Nominal size of chain		mm	8	10	13
Standard usable length	NL	m	1	1	1
Reference no.			494897	494902	494907
Standard usable length	NL	m	1,5	1,5	1,5
Reference no.			494898	494903	494908
Standard usable length	NL	m	2	2	2
Reference no.			494899	494904	494909
Standard usable length	NL	m	3	3	3
Reference no.			494900	494905	494910
Standard usable length	NL	m	4	4	4
Reference no.			494901	494906	494911
Component suspension					
Type			KMGW	KMGW	KMGW
Clear height	T	mm	170	190	230
Clearance	W	mm	105	110	130
Ring cross-sectional diameter	F	mm	23	27	33
Component end fitting					
Type			KSCHW	KSCHW	KSCHW

- ▶ **Quality grade: 10**
- ▶ **Shortening: cannot be shortened**
- ▶ **WLL: 5,3 t**

Technical data

- ▶ **Operating temperature:**
 -40 °C to +200 °C = 100 % working load limit;
 +200 °C to +300 °C = 90 % working load limit;
 +300 °C to +380 °C = 60 % working load limit
- ▶ **Standard:** Chain following DIN EN 818;
 Chain components on the basis of DIN EN 1677
- ▶ **Safety factor:** 4
- ▶ **Identification mark:** Batch number and serial number; Quality grade no.;
 Quality grade and carrying capacity symbol
- ▶ **Legs Quantity:** 4-leg
- ▶ **Chain surface:** cathodic dip-paint coating
- ▶ **Chain color:** black
- ▶ **Structural element surface:** powder-coated
- ▶ **Structural element colour:** orange



HIT chain balancing suspension gear for precast slabs with in-situ topping, quality grade 10 – 8-leg

Chain sling with KMGW standard suspension link, KSCHW coupling shackle and KHSW standard load hook for 8-leg attachment of precast slabs with in-situ topping.

Due to the balancing effect of the coupling shackles the load is distributed evenly over the 8 lifting points so the chain sling is particularly suitable for transport of precast slab elements. Cathodic EPD provides extreme corrosion-protection.

WLL direct 0-45°		kg	5300
Nominal size of chain		mm	8
Reference no.	180971		
Component suspension			
Type			KMGW
Clear height	T	mm	170
Clearance	W	mm	105
Ring cross-sectional diameter	F	mm	23
Component end fitting			
Type			KHSW
Hook base height	H	mm	28
Hook thickness	A	mm	19
Hook opening width	G	mm	26

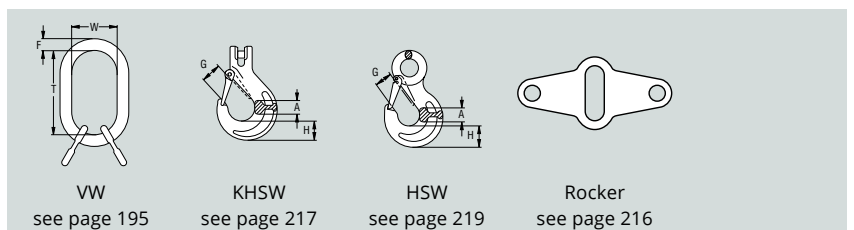
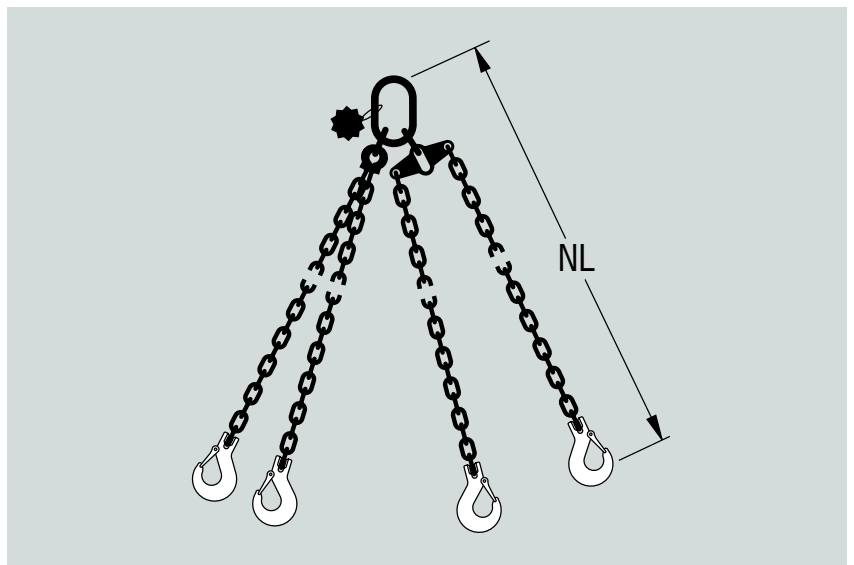
- ▶ **Increased working load limit**
- ▶ **Quality grade: 10**
- ▶ **Shortening: cannot be shortened**
- ▶ **WLL: 4 t to 75 t**



Technical data

- ▶ **Operating temperature:**
 -40 °C to +200 °C = 100 % working load limit;
 +200 °C to +300 °C = 90 % working load limit;
 +300 °C to +380 °C = 60 % working load limit
- ▶ **Standard:** Chain following DIN EN 818;
 DIN EN 1677-compliant chain components
- ▶ **Safety factor: 4**
- ▶ **Identification mark:** Batch number and serial number; Quality grade no.;
- ▶ **Quality grade and carrying capacity symbol**
- ▶ **Legs Quantity:** 4-leg
- ▶ **Chain surface:** cathodic dip-paint coating
- ▶ **Chain color:** black
- ▶ **Structural element surface:** powder-coated
- ▶ **Structural element colour:** orange

HIT chain balancing suspension gear with rocker, 4-leg

Chain suspension gear with balancing device with VW standard suspension link, balancing rocker for increased working load limit and KHSW/HSW standard load hooks for 4-leg attachment. The balancing rocker compensates for the admissible length tolerances of chain legs in 4-leg assemblies, achieving working load limits with 4 load-bearing legs and symmetrical loading. Ideally suited for all demanding applications with standard crane hooks and for general lifting purposes. Cathodic EPD provides extreme corrosion-protection.



WLL direct 0-45°		kg	4000	7100	11200	19000	28000	40000	53000	75000
WLL direct 45-60°		kg	2800	5000	8000	13200	20000	28000	35700	53000
Nominal size of chain		mm	6	8	10	13	16	19	22	26
Standard usable length	NL	m	1	1	1	1	-	-	-	-
Reference no.			495150	495155	495160	495165	-	-	-	-
Standard usable length	NL	m	1,5	1,5	1,5	1,5	1,5	1,5	1,5	-
Reference no.			495151	495156	495161	495166	495500	495504	495508	-
Standard usable length	NL	m	2	2	2	2	2	2	2	2
Reference no.			495152	495157	495162	495167	495501	495505	495509	495632
Standard usable length	NL	m	3	3	3	3	3	3	3	3
Reference no.			495153	495158	495163	495168	495502	495506	495510	495633
Standard usable length	NL	m	4	4	4	4	4	4	4	4
Reference no.			495154	495159	495164	495169	495503	495507	495511	495634
Component suspension										
Type			VW	VW	VW	VW	VW	VW	VW	VAW
Clear height	T	mm	160	180	200	260	350	350	400	460
Clearance	W	mm	90	100	110	140	190	190	200	250
Ring cross-sectional diameter	F	mm	23	27	33	36	50	50	60	70
Component compensation										
Type			Rocker	Rocker	Rocker	Rocker	Rocker	Rocker	Rocker	Rocker
Component end fitting										
Type			KHSW	KHSW	KHSW	KHSW	KHSW	HSW	HSW	HSW
Hook base height	H	mm	20	28	35	41	49	55	62	75
Hook thickness	A	mm	15	19	25	34	37	48	50	60
Hook opening width	G	mm	19	26	31	39	45	53	62	73

- ▶ Increased working load limit
- ▶ Quality grade: 10
- ▶ Shortening: can be shortened
- ▶ WLL: 4 t to 75 t

Technical data

- ▶ **Operating temperature:**
 -40 °C to +200 °C = 100 % working load limit;
 +200 °C to +300 °C = 90 % working load limit;
 +300 °C to +380 °C = 60 % working load limit
- ▶ **Standard:** Chain following DIN EN 818;
 Chain components on the basis of DIN EN 1677
- ▶ **Safety factor:** 4
- ▶ **Identification mark:** Batch number and serial number; Quality grade no.; Quality grade and carrying capacity symbol
- ▶ **Legs Quantity:** 4-leg
- ▶ **Chain surface:** cathodic dip-paint coating
- ▶ **Chain color:** black
- ▶ **Structural element surface:** powder-coated
- ▶ **Structural element colour:** orange

HIT chain balancing suspension gear with rocker, 4-leg can be shortened

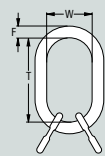
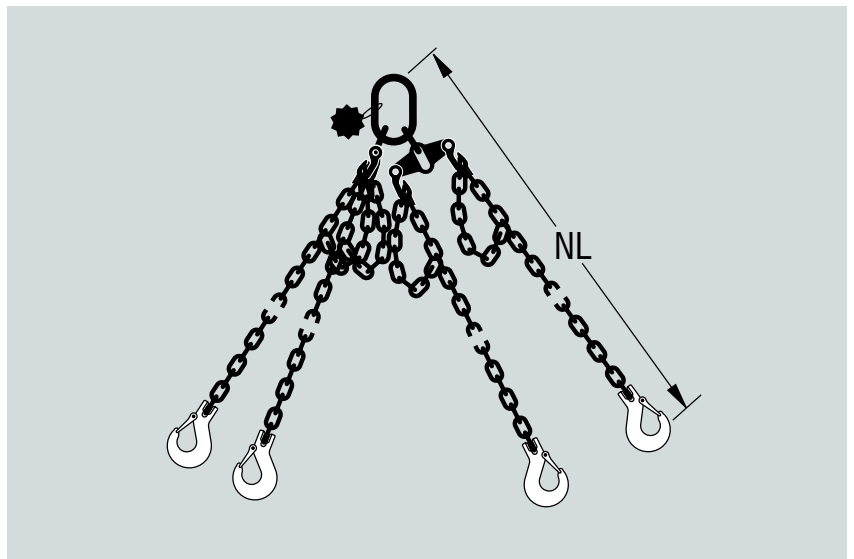
Chain suspension with balancing device with VW standard suspension link, balancing rocker for increased working load limit, integrated shortener and KHSW/HSW standard load hooks for 4-leg attachment.

The balancing rocker compensates for the admissible length tolerances of chain legs in 4-leg assemblies, achieving working load limits with 4 load-bearing legs and symmetrical loading.

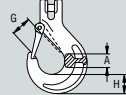
The shortener enables horizontal alignment of the load in multi-leg attachment even with difficult transport procedures as well as suitable adjustment of the load for assemblies.

Ideally suited for all demanding applications with standard crane hooks and for general lifting purposes.

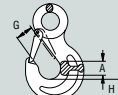
Cathodic EPD provides extreme corrosion-protection.



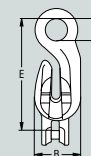
VW
see page 195



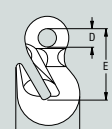
KHSW
see page 217



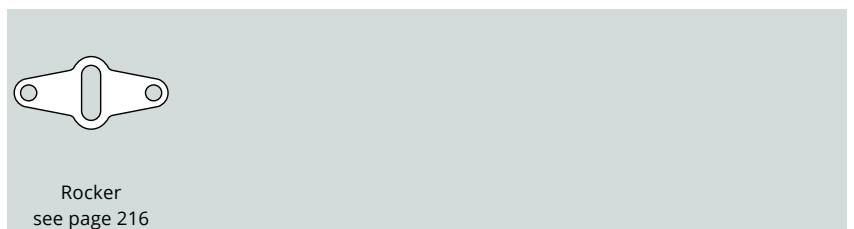
HSW
see page 219





XKW
see page 229



PW
see page 231



WLL direct 0-45°		kg	4000	7100	11200	19000	28000	40000	53000	75000
WLL direct 45-60°		kg	2800	5000	8000	13200	20000	28000	35700	53000
Nominal size of chain		mm	6	8	10	13	16	19	22	26
Standard usable length	NL	m	1,5	1,5	1,5	1,5	-	-	-	-
Reference no.			495186	495190	495194	495198	-	-	-	-
Standard usable length	NL	m	2	2	2	2	2	2	2	2
Reference no.			495187	495191	495195	495199	495512	495515	495518	495635
Standard usable length	NL	m	3	3	3	3	3	3	3	3
Reference no.			495188	495192	495196	495200	495513	495516	495519	495636
Standard usable length	NL	m	4	4	4	4	4	4	4	4
Reference no.			495189	495193	495197	495201	495514	495517	495520	495637
Component suspension										
Type			VW	VW	VW	VW	VW	VW	VW	VAW
Clear height	T	mm	135	180	200	260	350	350	400	460
Clearance	W	mm	75	100	110	140	190	190	200	250
Ring cross-sectional diameter	F	mm	18	27	33	36	50	50	60	70
Component shortening										
Type			XKW	XKW	XKW	XKW	XKW	PW	PW	PW
Component compensation										
Type			Rocker	Rocker	Rocker	Rocker	Rocker	Rocker	Rocker	Rocker
Component end fitting										
Type			KHSW	KHSW	KHSW	KHSW	KHSW	HSW	HSW	HSW
Hook base height	H	mm	20	28	35	41	49	55	62	75
Hook thickness	A	mm	15	19	25	34	37	48	50	60
Hook opening width	G	mm	19	26	31	39	45	53	62	73

- ▶ **Versatile use options**
- ▶ **Increased working load limit**
- ▶ **Quality grade: 10**
- ▶ **Shortening: cannot be shortened**
- ▶ **WLL: 4 t to 75 t**

Technical data

- ▶ **Operating temperature:**
 -40 °C to +200 °C = 100 % working load limit;
 +200 °C to +300 °C = 90 % working load limit;
 +300 °C to +380 °C = 60 % working load limit
- ▶ **Standard:** Chain following DIN EN 818;
 Chain components on the basis of DIN EN 1677
- ▶ **Safety factor:** 4
- ▶ **Identification mark:** Batch number and serial number; Quality grade no.; Quality grade and carrying capacity symbol
- ▶ **Legs Quantity:** 2 x 2-leg
- ▶ **Chain surface:** cathodic dip-paint coating
- ▶ **Chain color:** black
- ▶ **Structural element surface:** powder-coated
- ▶ **Structural element colour:** orange

HIT – chain balancing suspension gear with rocker 2-part

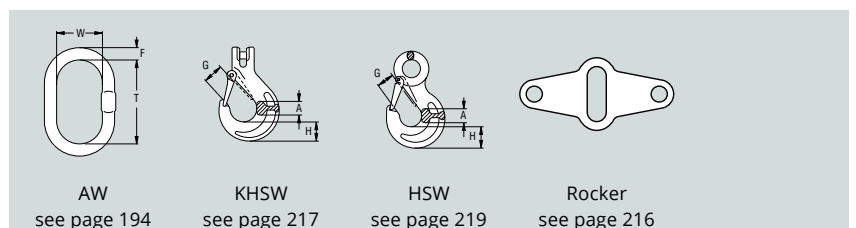
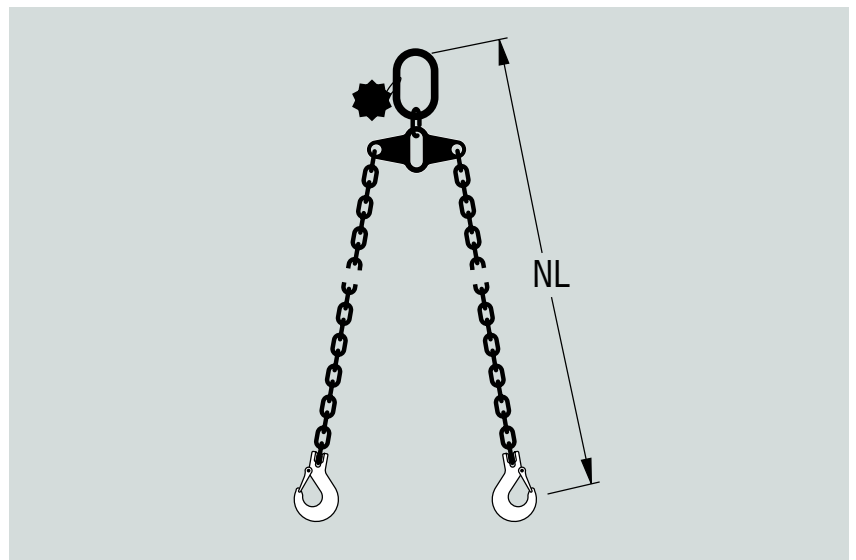
Chain balancing suspension gear can be used with standard AW suspension link, balancing rocker for increased working load limit and KHSW standard load hook in combination with 2-leg chain sling or 2-leg chain sling with rocker.


For individual use the working load limit of the individual 2-leg suspensions applies.

The balancing rocker compensates for the admissible length tolerances of chain legs in 4-leg assemblies, achieving working load limits with 4 load-bearing legs and symmetrical loading.

Ideally suited for all demanding applications with standard crane hooks and for general lifting purposes.

Cathodic EPD provides extreme corrosion-protection.



WLL direct 0-45°		kg	4000	7100	11200	19000	28000	40000	53000	75000
Nominal size of chain		mm	6	8	10	13	16	19	22	26
Standard usable length	NL	m	1	1	1	1	1	-	-	1
Reference no.			495170	495174	495178	495182	500087	-	-	495638
Standard usable length	NL	m	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5
Reference no.			495171	495175	495179	495183	495521	495524	495527	495639
Standard usable length	NL	m	2	2	2	2	2	2	2	2
Reference no.			495172	495176	495180	495184	495522	495525	495528	495640
Standard usable length	NL	m	3	3	3	3	3	3	3	3
Reference no.			495173	495177	495181	495185	495523	495526	495529	495641
Standard usable length	NL	m	4	4	4	4	4	4	4	4
Reference no.			500078	500080	500082	500084	500088	500090	500093	495642
Accessories										
Combination article (2-leg without rocker)										
Reference no.			494738	494743	494748	494753	494758	495422	495426	215700
Component suspension										
Type			AW	AW	AW	AW	AW	AW	AW	AW
Clear height	T	mm	110	135	160	180	200	260	340	350
Clearance	W	mm	60	75	90	100	110	140	180	190
Ring cross-sectional diameter	F	mm	16	19	23	27	33	36	45	50
Component compensation										
Type			Rocker	Rocker	Rocker	Rocker	Rocker	Rocker	Rocker	Rocker
Component end fitting										
Type			KHSW	KHSW	KHSW	KHSW	KHSW	HSW	HSW	HSW
Hook base height	H	mm	20	28	35	41	49	55	62	75
Hook thickness	A	mm	15	19	25	34	37	48	50	60
Hook opening width	G	mm	19	26	31	39	45	53	62	73

- ▶ Versatile use options
- ▶ Increased working load limit
- ▶ Quality grade: 10
- ▶ Shortening: can be shortened
- ▶ WLL: 4 t to 74,2 t

Technical data

- ▶ **Operating temperature:**
 -40 °C to +200 °C = 100 % working load limit;
 +200 °C to +300 °C = 90 % working load limit;
 +300 °C to +380 °C = 60 % working load limit
- ▶ **Standard:** Chain following DIN EN 818;
 Chain components on the basis of DIN EN 1677
- ▶ **Safety factor:** 4
- ▶ **Identification mark:** Batch number and serial number; Quality grade no.; Quality grade and carrying capacity symbol
- ▶ **Legs Quantity:** 2 x 2-leg
- ▶ **Chain surface:** cathodic dip-paint coating
- ▶ **Chain color:** black
- ▶ **Structural element surface:** powder-coated
- ▶ **Structural element colour:** orange

HIT – chain balancing suspension gear with rocker 2-part, can be shortened

Chain balancing suspension gear can be used with standard AW suspension link, balancing rocker for increased working load limit, XKW shortener and KHSW standard load hook in combination with 2-leg chain sling with optional rocker.

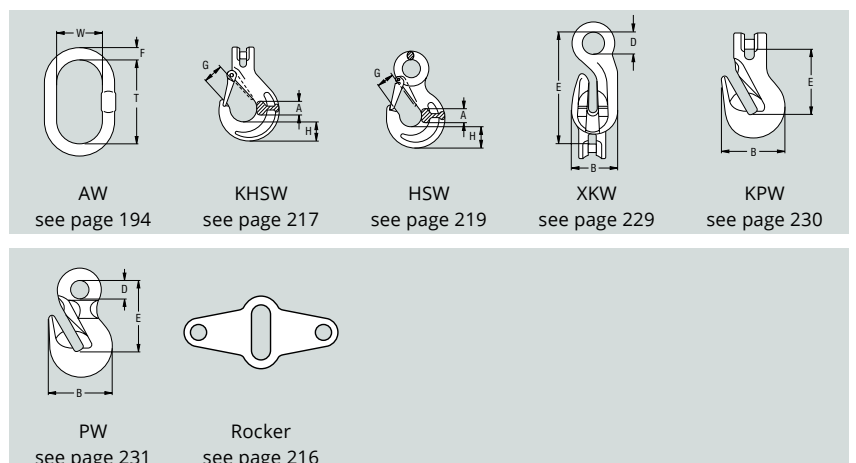
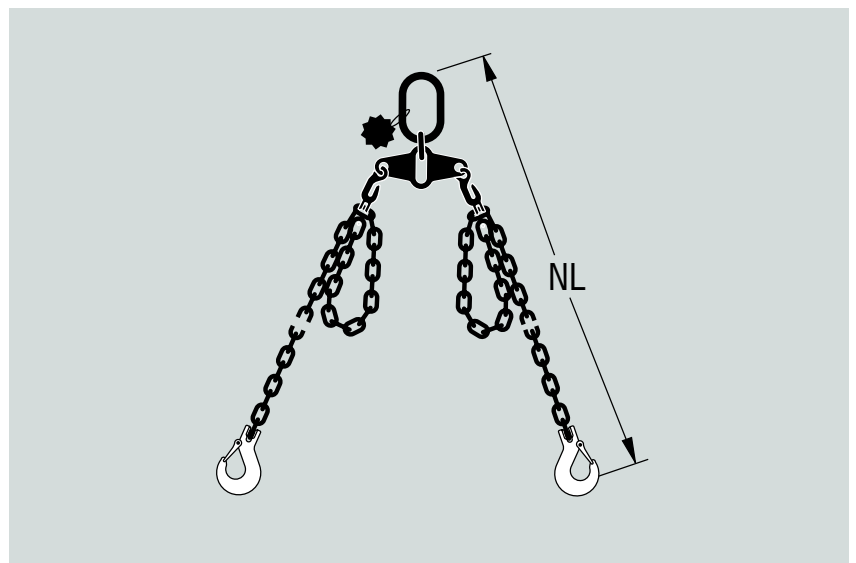
For individual use the working load limit of the individual 2-leg suspensions applies.


The balancing rocker compensates for the admissible length tolerances of chain legs in 4-leg assemblies, achieving working load limits with 4 load-bearing legs and symmetrical loading.

The shortener enables horizontal alignment of the load in multi-leg attachment even with difficult transport procedures as well as suitable adjustment of the load for assemblies.

Ideally suited for all demanding applications with standard crane hooks and for general lifting purposes.

Cathodic EPD provides extreme corrosion-protection.



WLL direct 0-45°		kg	4000	7100	11200	19000	28000	40000	53000	74200
Nominal size of chain		mm	6	8	10	13	16	19	22	26
Standard usable length	NL	m	1	1	1	1	-	-	-	-
Reference no.			495643	495647	495651	495655	-	-	-	-
Standard usable length	NL	m	1,5	1,5	1,5	1,5	1,5	1,5	-	-
Reference no.			495644	495648	495652	495656	495659	495662	-	-
Standard usable length	NL	m	2	2	2	2	2	2	2	-
Reference no.			495645	495649	495653	495657	495660	495663	495665	-
Standard usable length	NL	m	3	3	3	3	3	3	3	3
Reference no.			495646	495650	495654	495658	495661	495664	495666	495667
Standard usable length	NL	m	4	4	-	4	4	4	4	4
Reference no.			500079	500081	-	500086	500089	500092	500095	500113
Accessories										
Combination article (2-leg without rocker)										
Reference no.			494788	494794	494799	500085	494808	500091	495441	495602
Component suspension										
Type			AW	AW	AW	AW	AW	AW	AW	AW
Clear height	T	mm	110	135	160	180	200	260	340	350
Clearance	W	mm	60	75	90	100	110	140	180	190
Ring cross-sectional diameter	F	mm	16	19	23	27	33	36	45	50
Component shortening										
Type			XKW	XKW	XKW	XKW	XKW	KPW	KPW	PW
Component compensation										
Type			Rocker	Rocker	Rocker	Rocker	Rocker	Rocker	Rocker	Rocker
Component end fitting										
Type			KHSW	KHSW	KHSW	KHSW	KHSW	HSW	HSW	HSW
Hook base height	H	mm	20	28	35	41	49	55	62	75
Hook thickness	A	mm	15	19	25	34	37	48	50	60
Hook opening width	G	mm	19	26	31	39	45	53	62	73

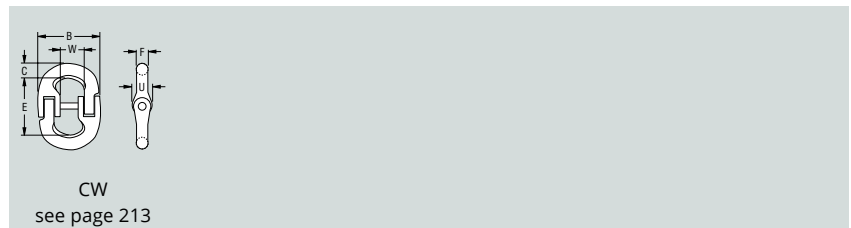
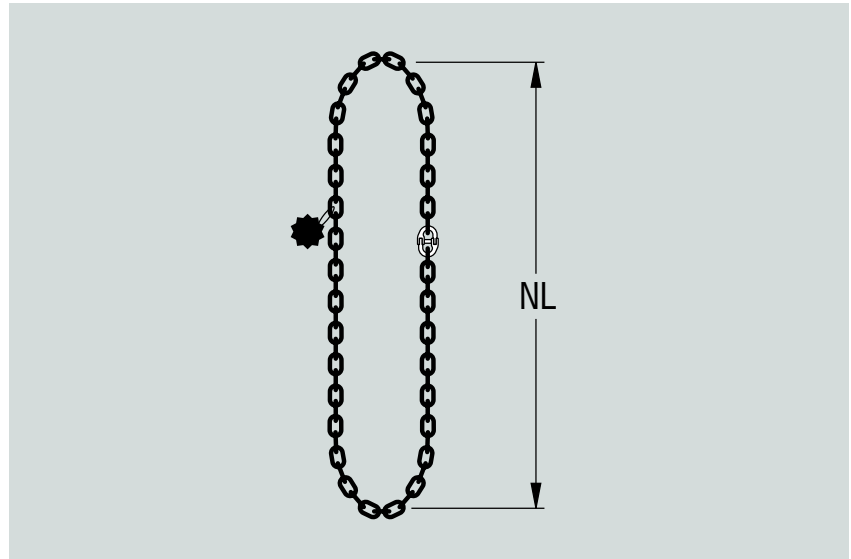
- ▶ **Quality grade: 10**
- ▶ **Shortening: cannot be shortened**
- ▶ **WLL: 2,24 t to 63 t**

Technical data

- ▶ **Operating temperature:**
 -40 °C to +200 °C = 100 % working load limit;
 +200 °C to +300 °C = 90 % working load limit;
 +300 °C to +380 °C = 60 % working load limit
- ▶ **Standard:** Chain following DIN EN 818;
 Chain components on the basis of DIN EN 1677
- ▶ **Safety factor: 4**
- ▶ **Identification mark:** Batch number and serial number; Quality grade no.;
 Quality grade and carrying capacity symbol
- ▶ **Legs Quantity:** endless
- ▶ **Chain surface:** cathodic dip-paint coating
- ▶ **Chain color:** black
- ▶ **Structural element surface:** powder-coated
- ▶ **Structural element colour:** orange

HIT chain sling

Chain sling with CW universal connecting link in simple endless design for choker hitches.
 Cathodic EPD provides extreme corrosion-protection.



WLL strapped		kg	2240	4000	6300	10600	16000	22400	30000	42500	63000
Nominal size of chain		mm	6	8	10	13	16	19	22	26	32
Standard usable length	NL	m	1	1	1	1	1	-	-	-	-
Reference no.			494962	494967	494972	494977	494982	-	-	-	-
Standard usable length	NL	m	1,5	1,5	1,5	1,5	1,5	1,5	1,5	-	-
Reference no.			494963	494968	494973	494978	494983	495414	495418	-	-
Standard usable length	NL	m	2	2	2	2	2	2	2	2	2
Reference no.			494964	494969	494974	494979	494984	495415	495419	495608	495700
Standard usable length	NL	m	3	3	3	3	3	3	3	3	3
Reference no.			494965	494970	494975	494980	494985	495416	495420	495609	495701
Standard usable length	NL	m	4	4	4	4	4	4	4	4	4
Reference no.			494966	494971	494976	494981	494986	495417	495421	495610	495702

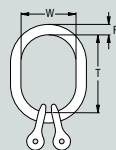
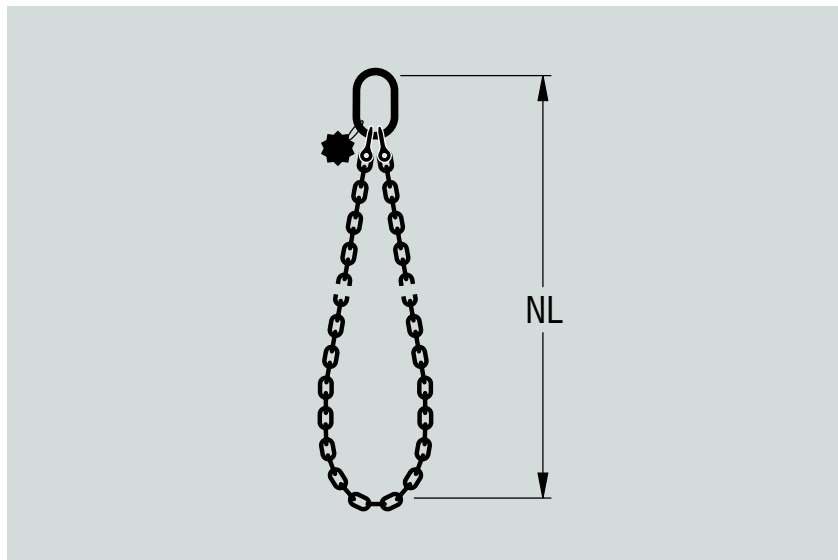
- ▶ **Quality grade: 10**
- ▶ **Shortening: cannot be shortened**
- ▶ **WLL: 2 t to 63 t**

Technical data

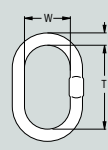
- ▶ **Operating temperature:** -40 °C to +200 °C;
reduced working load limit outside this range
- ▶ **Standard:** Chain following DIN EN 818;
Chain components on the basis of DIN EN 1677
- ▶ **Safety factor: 4**
- ▶ **Identification mark:** Batch number and
serial number; Quality grade no. "10" (every
300 mm on the chain); Quality grade and
carrying capacity symbol
- ▶ **Legs Quantity:** endless
- ▶ **Chain surface:** cathodic dip-paint coating
- ▶ **Chain color:** black
- ▶ **Structural element surface:** powder-coated
- ▶ **Structural element colour:** orange

HIT basket chain

Chain sling with KMGW/AW standard suspension link with coupling connection in simple endless design for choker hitch. Cathodic EPD provides extreme corrosion-protection.



KMGW
see page 205



AW
see page 194

WLL strapped		kg	2000	3550	5600	9500	14000	20000	26500	40000	63000
Nominal size of chain		mm	6	8	10	13	16	19	22	26	32
Standard usable length	NL	m	1	1	1	1	1	-	-	-	-
Reference no.			495247	495252	495257	495262	495267	-	-	-	-
Standard usable length	NL	m	1,5	1,5	-	1,5	1,5	1,5	1,5	-	-
Reference no.			495248	495253	-	495263	495268	495406	495410	-	-
Standard usable length	NL	m	2	2	2	2	2	2	2	2	2
Reference no.			495249	495254	495259	495264	495269	495407	495411	495611	495703
Standard usable length	NL	m	3	3	3	3	3	3	3	3	3
Reference no.			495250	495255	495260	495265	495270	495408	495412	495612	495704
Standard usable length	NL	m	4	4	4	4	4	4	4	4	4
Reference no.			495251	495256	495261	495266	495271	495409	495413	495613	495705
Component suspension											
Type			KMGW	KMGW	KMGW	KMGW	KMGW	KMGW	KAGW	AW	AW
Clear height	T	mm	120	160	160	190	230	275	340	350	350
Clearance	W	mm	70	95	110	110	130	150	180	190	190
Ring cross-sectional diameter	F	mm	14	19	23	27	33	38	45	50	50

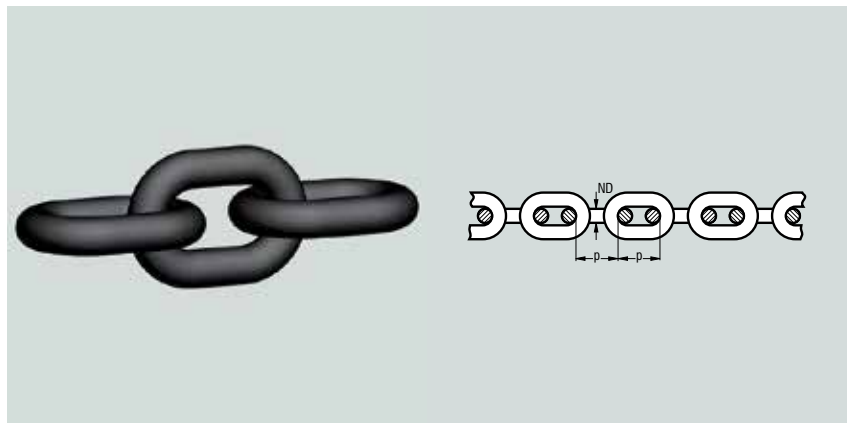
- ▶ **Extreme corrosion protection**
- ▶ **Quality grade: 10**
- ▶ **WLL: 1,4 t to 40 t**

Technical data

- ▶ **Operating temperature:**
 -40 °C to +200 °C = 100 % working load limit;
 +200 °C to +300 °C = 90 % working load limit;
 +300 °C to +380 °C = 60 % working load limit
- ▶ **Standard:** Based on DIN EN 818
- ▶ **Safety factor:** 4
- ▶ **Identification mark:** Batch number;
 Quality grade no.
- ▶ **Surface:** cathodic dip-paint coating
- ▶ **Certification:** H-stamp
- ▶ **Colour:** black

HIT medium tolerance round steel chain

Quality chain sling for installation into chain suspension gear. The XLL coating offers extreme corrosion-protection, particular suitability for electromagnetic crack testing and maximum adherence as specified in the ISO 2409, DIN 53 151, ASTM 3002, ASTD 3359 cross-cut test (abrasion resistance of coating, impact strength, etc.), no problem with abrasion or flaking as with powder coating and hence no troublesome paint particles.



WLL		kg	1400	2500	4000	6700	10000	14000	19000	26500	40000
Nominal size of chain	ND	mm	6	8	10	13	16	19	22	26	32
Chain pitch	p		18	24	30	39	48	57	66	78	96
Reference no.			135774	135775	135776	135777	135778	178481	178482	211210	246764

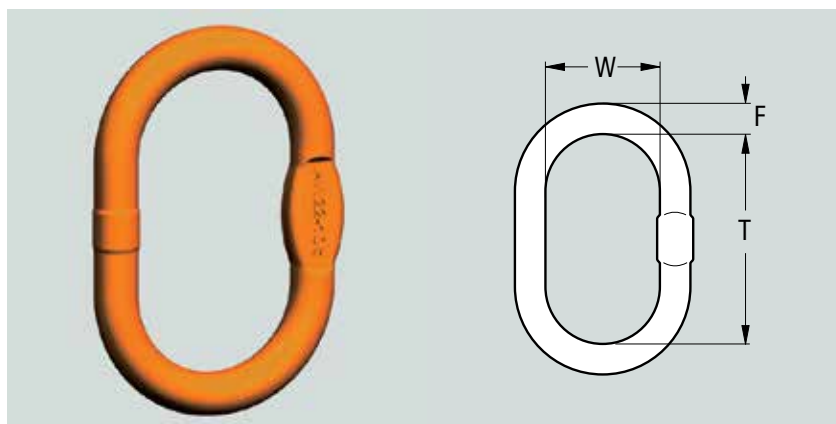
- ▶ **Quality grade: 10**
- ▶ **WLL: 2,3 t to 85 t**

Technical data

- ▶ **Operating temperature:**
 - 40 °C to +200 °C = 100 % working load limit;
 - +200 °C to +300 °C = 90 % working load limit;
 - +300 °C to +380 °C = 60 % working load limit
- ▶ **Standard:** on the basis of DIN EN 1677
- ▶ **Safety factor:** 4
- ▶ **Identification mark:** Batch number
- ▶ **Surface:** powder-coated
- ▶ **Certification:** H-stamp
- ▶ **Colour:** orange
- ▶ **Type:** Standard

HIT AW suspension link 1 to 2-leg

Standard suspension link for single and 2-leg chain slings. Connected with component connector.



WLL 0-45°		kg	2300	3500	5000	7600	10000	14000	25100	30800	40000	64000	85000
for nominal size of chain single-leg		mm	6	8	10	13	16	19	22	26	32		
for nominal size of chain 2-leg		mm	6	-	8	10	13	16	19	22	26	32	32
Single crane hook up to no. (DIN 15401)			2,5	2,5	5	6	8	10	16	25	32	32	50
Double crane hook up to no. (DIN 15402)			4	4	6	8	10	12	20	32	40	40	63
Ring cross-sectional diameter	F	mm	13	16	19	23	27	33	36	45	50	60	70
Clear height	T	mm	110	110	135	160	180	200	260	340	350	400	460
Clearance	W	mm	60	60	75	90	100	110	140	180	190	200	250
Weight approx.		kg	0,34	0,53	0,92	1,5	2,5	4,2	6,02	12,82	16,55	27,01	45
Reference no.			161108	161109	161110	161111	161112	178273	178485	178486	178487	213018	246755

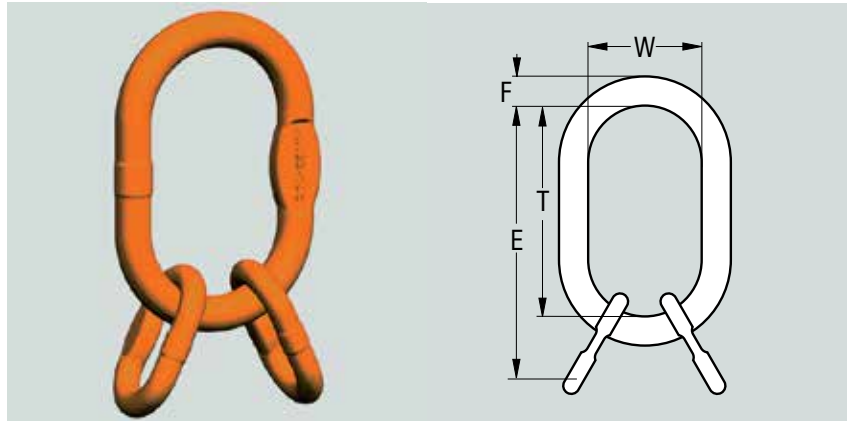
- ▶ **Quality grade: 10**
- ▶ **WLL: 4,2 t to 85 t**

Technical data

- ▶ **Operating temperature:**
 -40 °C to +200 °C = 100 % working load limit;
 +200 °C to +300 °C = 90 % working load limit;
 +300 °C to +380 °C = 60 % working load limit
- ▶ **Standard:** on the basis of DIN EN 1677
- ▶ **Safety factor:** 4
- ▶ **Identification mark:** Batch number
- ▶ **Surface:** powder-coated
- ▶ **Certification:** H-stamp
- ▶ **Colour:** orange
- ▶ **Type:** standard

HIT VW suspension link 3 to 4-leg

Standard suspension link for single and 4-leg chain slings. Connected with component connector.



WLL 0-45°		kg	4200	7600	9600	14000	21200	34100	40000	56000	85000
for nominal size of chain 3-/4-leg		mm	6	8	10	13	16	19	22	26	32
Single crane hook up to no. (DIN 15401)			5	6	8	10	16	32	32	32	100
Double crane hook up to no. (DIN 15402)			6	8	10	12	20	40	40	40	63
Ring cross-sectional diameter	F	mm	18	23	27	33	36	50	50	60	70
Clear height	T	mm	135	160	180	200	260	350	350	400	460
Clearance	W	mm	75	90	100	110	140	190	190	200	250
Suspension point distance	E	mm	189	230	265	315	400	500	520	570	660
Weight approx.		kg	1,26	2,32	3,8	6,46	10,6	22,87	24,79	41,31	60,6
Reference no.			161050	161051	161052	161053	161054	178516	178517	212160	246757

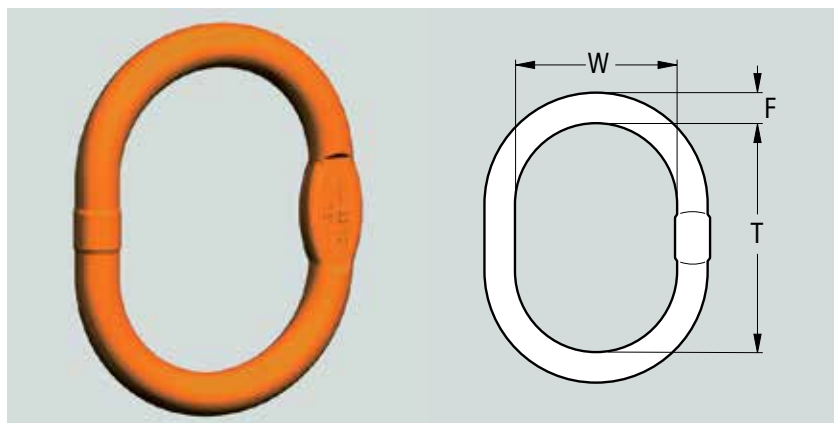
- ▶ Large interior width
- ▶ Quality grade: 10
- ▶ WLL: 2,3 t to 40 t

Technical data

- ▶ **Operating temperature:**
 -40 °C to +200 °C = 100 % working load limit;
 +200 °C to +300 °C = 90 % working load limit;
 +300 °C to +380 °C = 60 % working load limit
- ▶ **Standard:** on the basis of DIN EN 1677
- ▶ **Safety factor:** 4
- ▶ **Identification mark:** Batch number
- ▶ **Surface:** powder-coated
- ▶ **Certification:** H-stamp
- ▶ **Colour:** orange

HIT MW large suspension link 1 to 2-leg

Suspension link with large interior width especially for large crane hooks for single or 2-leg chain slings. Connected with component connector.



WLL 0-45°		kg	2300	3200	4200	6700	10100	16000	21200	40000
for nominal size of chain single-leg		mm	6	8	10	13	16	19	22	32
for nominal size of chain 2-leg		mm	6	-	8	10	13	16	19	26
Single crane hook up to no. (DIN 15401)			4	5	6	10	10	12	20	50
Double crane hook up to no. (DIN 15402)			5	6	8	12	12	16	25	63
Ring cross-sectional diameter	F	mm	14	16	19	23	27	33	38	56
Clear height	T	mm	120	140	160	170	190	230	275	350
Clearance	W	mm	70	80	95	105	110	130	150	250
Weight approx.		kg	0,44	0,67	1,09	1,69	2,65	4,78	7,48	21,98
Reference no.			178499	178500	178501	178502	178503	178504	178505	215408

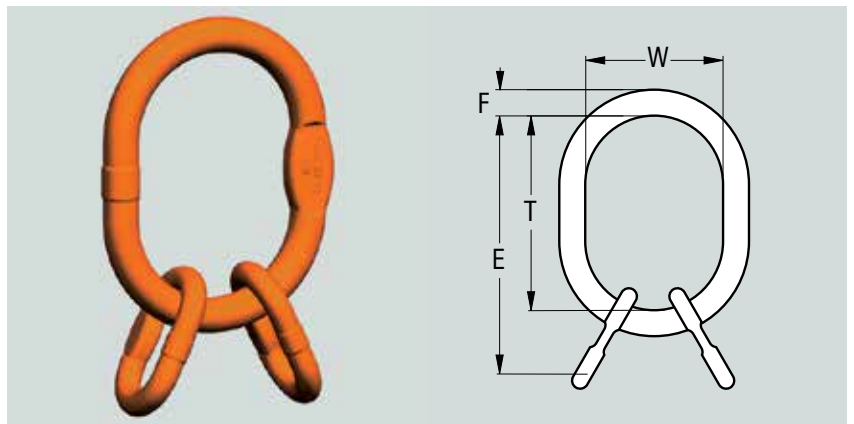
- ▶ Large interior width
- ▶ Quality grade: 10
- ▶ WLL: 4,2 t to 40 t

Technical data

- ▶ **Operating temperature:**
 -40 °C to +200 °C = 100 % working load limit;
 +200 °C to +300 °C = 90 % working load limit;
 +300 °C to +380 °C = 60 % working load limit
- ▶ **Standard:** on the basis of DIN EN 1677
- ▶ **Safety factor:** 4
- ▶ **Identification mark:** Batch number
- ▶ **Surface:** powder-coated
- ▶ **Certification:** H-stamp
- ▶ **Colour:** orange

HIT VMW suspension link 3 to 4-leg

Suspension link with large interior width for 3 and 4-leg chain slings.
 Connected with component connector.



WLL 0-45°		kg	4200	6600	10100	15700	21200	34100	40000
for nominal size of chain 3-/4-leg		mm	6	8	10	13	16	19	22
Single crane hook up to no. (DIN 15401)			6	10	10	12	20	100	100
Double crane hook up to no. (DIN 15402)			8	12	12	16	25	63	63
Ring cross-sectional diameter	F	mm	19	23	27	33	38	56	56
Clear height	T	mm	160	160	190	230	275	350	350
Clearance	W	mm	95	110	110	130	150	250	250
Suspension point distance	E	mm	214	230	275	345	415	500	520
Weight approx.		kg	1,43	2,41	4,01	6,9	11,12	28,08	30,62
Reference no.			178518	178519	178520	178521	178523	215397	215398

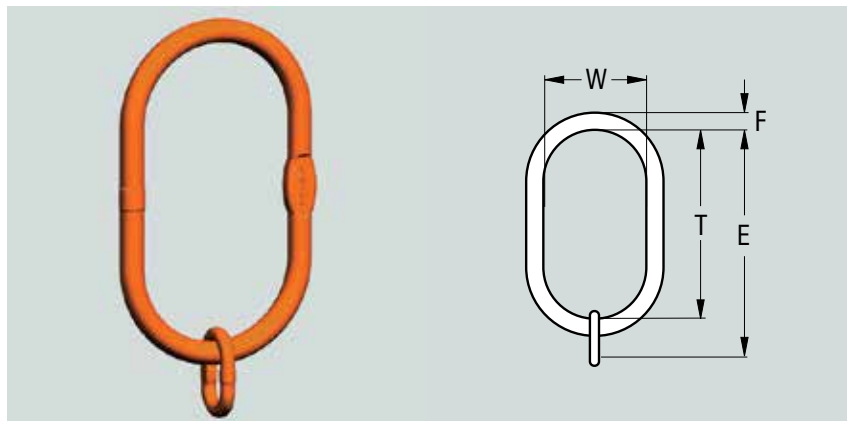
- ▶ Extra-large interior width
- ▶ Quality grade: 10
- ▶ WLL: 2,5 t to 19 t

Technical data

- ▶ **Operating temperature:**
 - 40 °C to +200 °C = 100 % working load limit;
 - +200 °C to +300 °C = 90 % working load limit;
 - +300 °C to +380 °C = 60 % working load limit
- ▶ **Standard:** on the basis of DIN EN 1677
- ▶ **Safety factor:** 4
- ▶ **Identification mark:** Batch number
- ▶ **Surface:** powder-coated
- ▶ **Certification:** H-stamp
- ▶ **Colour:** orange
- ▶ **Type:** Oversize

HIT VLW extra-large suspension link single-leg

Suspension link with extra-large interior width especially for extra-large crane hooks for single leg chain slings. Connected with component connector.



WLL direct		kg	2500	2500	4000	6700	10000	19000
for nominal size of chain single-leg		mm	6	8	10	13	16	22
Single crane hook up to no. (DIN 15401)			25	25	25	25	25	25
Double crane hook up to no. (DIN 15402)			32	32	32	32	32	32
Ring cross-sectional diameter	F	mm	22	22	27	27	32	40
Clear height	T	mm	340	340	340	340	340	340
Clearance	W	mm	180	180	180	180	180	180
Suspension point distance	E	mm	394	394	410	340	340	340
Weight approx.		kg	3,4	3,4	4,8	4,4	6,7	9,88
Reference no.			218099	215403	161036	161037	161038	214120

Nominal thickness 6/8/10 mm with transition link, nominal thickness 13/16/19/22 mm without transition link.

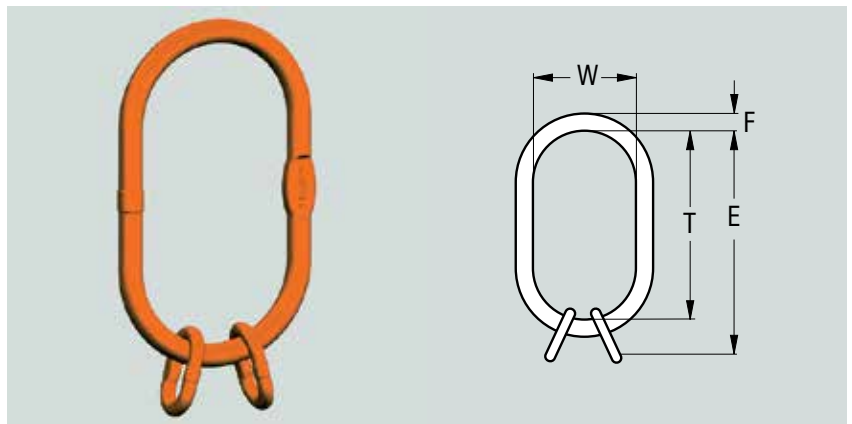
- ▶ **Extra-large interior width**
- ▶ **Quality grade: 10**
- ▶ **WLL: 3,55 t to 21,2 t**

Technical data

- ▶ **Operating temperature:**
 -40 °C to +200 °C = 100 % working load limit;
 +200 °C to +300 °C = 90 % working load limit;
 +300 °C to +380 °C = 60 % working load limit
- ▶ **Standard:** on the basis of DIN EN 1677
- ▶ **Safety factor:** 4
- ▶ **Identification mark:** Batch number
- ▶ **Surface:** powder-coated
- ▶ **Certification:** H-stamp
- ▶ **Colour:** orange
- ▶ **Type:** Oversize

HIT VLW extra-large suspension link 2-leg

Suspension link with large interior width especially for large crane hooks for 2-leg chain slings.
 Connected with component connector.



WLL 0-45°		kg	3550	3550	5600	9500	14000	21200
for nominal size of chain 2-leg		mm	6	8	10	13	16	19
Single crane hook up to no. (DIN 15401)			25	25	25	25	25	25
Double crane hook up to no. (DIN 15402)			32	32	32	32	32	32
Ring cross-sectional diameter	F	mm	22	22	27	33	40	40
Clear height	T	mm	340	340	340	340	340	340
Clearance	W	mm	180	180	180	180	180	180
Suspension point distance	E	mm	394	394	410	425	455	480
Weight approx.		kg	3,5	3,5	5,1	8	12,3	13,8
Reference no.			218100	215413	161039	161040	161041	178524

- ▶ Extra-large interior width
- ▶ Quality grade: 10
- ▶ WLL: 3,55 t to 21,2 t

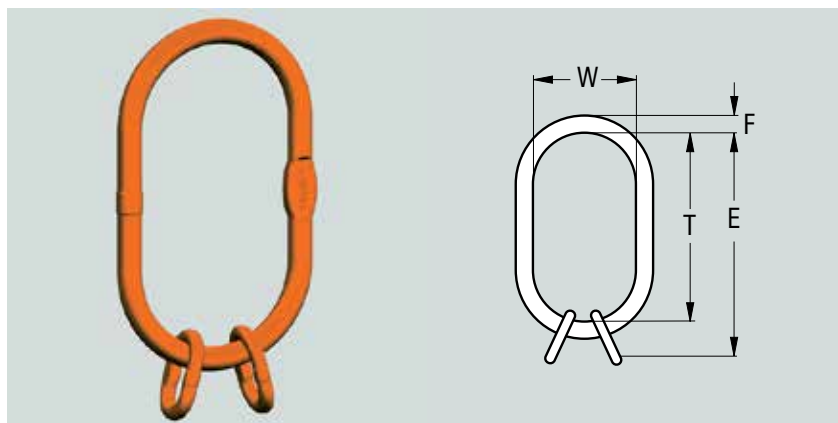
Technical data

- ▶ **Operating temperature:**
 - 40 °C to +200 °C = 100 % working load limit;
 - +200 °C to +300 °C = 90 % working load limit;
 - +300 °C to +380 °C = 60 % working load limit
- ▶ **Standard:** on the basis of DIN EN 1677
- ▶ **Safety factor:** 4
- ▶ **Identification mark:** Batch number
- ▶ **Surface:** powder-coated
- ▶ **Certification:** H-stamp
- ▶ **Colour:** orange
- ▶ **Type:** Oversize

HIT VLW extra-large suspension link 4-leg

Suspension link with large interior width especially for large crane hooks for 4-leg chain slings.

Connected with component connector.



WLL 0-45°		kg	3550	5600	8000	14000	21200
for nominal size of chain 4-leg		mm	6	8	10	13	16
Single crane hook up to no. (DIN 15401)			25	25	25	25	25
Double crane hook up to no. (DIN 15402)			32	32	32	32	32
Ring cross-sectional diameter	F	mm	22	27	33	40	40
Clear height	T	mm	340	340	340	340	340
Clearance	W	mm	180	180	180	180	180
Suspension point distance	E	mm	394	410	425	455	480
Weight approx.		kg	3,5	5,1	8	12,3	12,3
Reference no.			215405	215414	161042	161043	161044

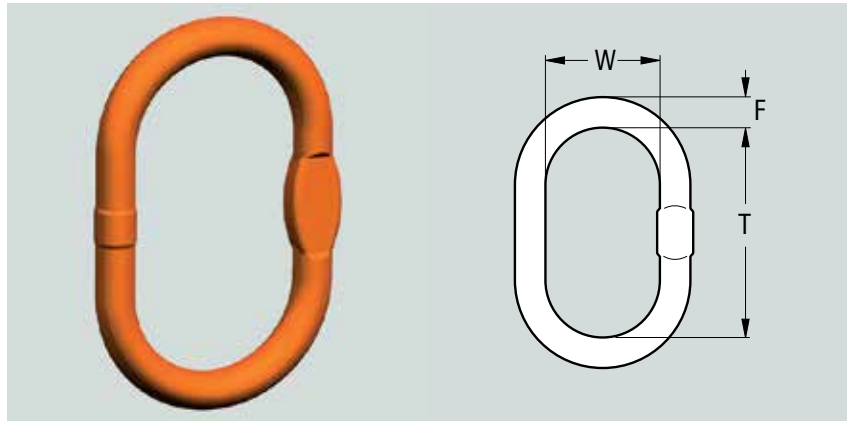
- ▶ **Extra-large interior width for crane hook nos. 50 to 100**
- ▶ **Quality grade: 10**
- ▶ **WLL: 10 t to 40 t**

Technical data

- ▶ **Operating temperature:**
 -40 °C to +200 °C = 100 % working load limit;
 +200 °C to +300 °C = 90 % working load limit;
 +300 °C to +380 °C = 60 % working load limit
- ▶ **Standard:** on the basis of DIN EN 1677
- ▶ **Safety factor:** 4
- ▶ **Identification mark:** Batch number
- ▶ **Surface:** powder-coated
- ▶ **Certification:** H-stamp
- ▶ **Colour:** orange

HIT VSAW special suspension set single-leg

Special suspension set with largest interior width for particularly large crane hook n° 50 to 100 for single leg chain slings. Connected with component connector.



WLL direct		kg	10000	10000	16000	22400	33600	40000	40000
for nominal size of chain single-leg		mm	10	16	19	22	26	32	32
Single crane hook up to no. (DIN 15401)			50	50	50	50	50	50	100
Double crane hook up to no. (DIN 15402)			63	63	63	63	63	63	125
Ring cross-sectional diameter	F	mm	33	33	40	45	50	56	60
Clear height	T	mm	500	500	460	500	460	460	800
Clearance	W	mm	250	250	250	250	250	250	320
Weight approx.		kg	10	9,33	13,13	17,81	21	26,1	48
Reference no.			259985	259986	259987	259988	259989	259990	259991

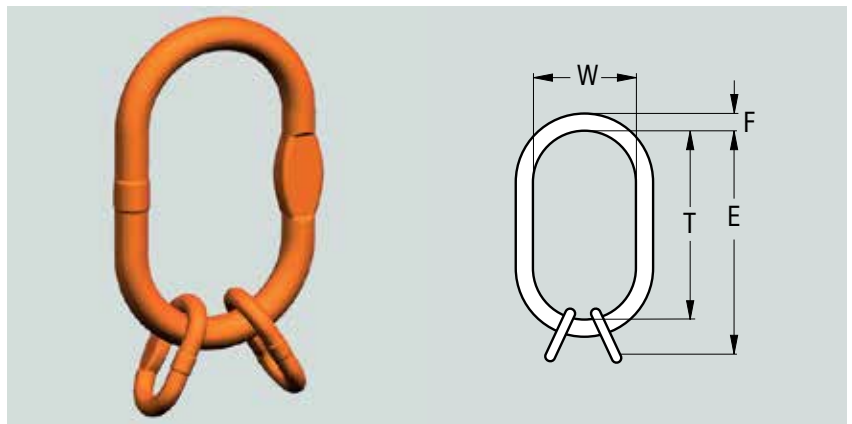
- ▶ Extra-large interior width for crane hook nos. 50 to 100
- ▶ Quality grade: 10
- ▶ WLL: 9,5 t to 40 t

Technical data

- ▶ **Operating temperature:**
 - 40 °C to +200 °C = 100 % working load limit;
 - +200 °C to +300 °C = 90 % working load limit;
 - +300 °C to +380 °C = 60 % working load limit
- ▶ **Standard:** on the basis of DIN EN 1677
- ▶ **Safety factor:** 4
- ▶ **Identification mark:** Batch number
- ▶ **Surface:** powder-coated
- ▶ **Certification:** H-stamp
- ▶ **Colour:** orange

HIT VSAW special suspension set 2 to 4-leg

Special suspension with largest interior width for very large crane hooks n° 50 to 100 for 2- to 4-leg chain slings.
Connected with component connector.



WLL 0-45°		kg	9500	14000	21200	30000	40000	40000
for nominal size of chain 2-leg		mm	10	16	19	22	26	26
for nominal size of chain 3-/4-leg		mm	10	13	16	19	22	22
Single crane hook up to no. (DIN 15401)			50	50	50	50	50	100
Double crane hook up to no. (DIN 15402)			63	63	63	63	63	125
Ring cross-sectional diameter	F	mm	33	40	45	50	56	60
Clear height	T	mm	500	460	500	460	460	800
Clearance	W	mm	250	250	250	250	250	320
Suspension point distance	E	mm	585	575	640	610	610	950
Weight approx.		kg	10,69	15,45	21,65	27,32	34,3	54,32
Reference no.			259992	259993	259994	259995	259996	259997

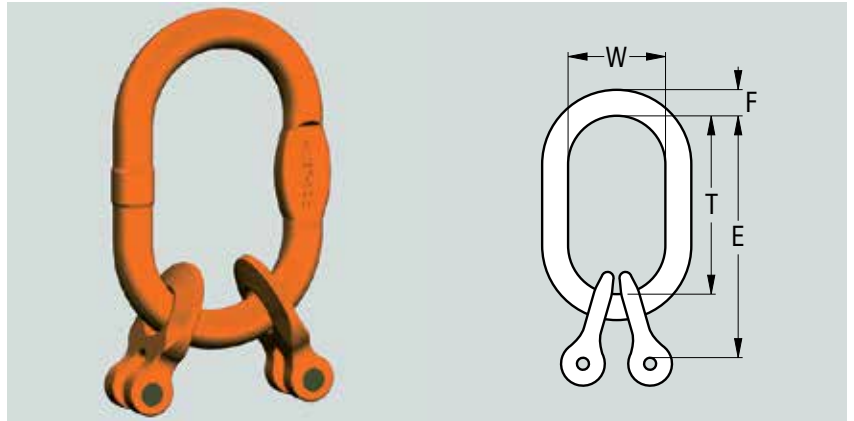
- ▶ **Quality grade: 10**
- ▶ **WLL: 26,5 t**

Technical data

- ▶ **Operating temperature:**
 -40 °C to +200 °C = 100 % working load limit;
 +200 °C to +300 °C = 90 % working load limit;
 +300 °C to +380 °C = 60 % working load limit
- ▶ **Standard:** on the basis of DIN EN 1677
- ▶ **Safety factor:** 4
- ▶ **Identification mark:** Batch number
- ▶ **Surface:** powder-coated
- ▶ **Certification:** H-stamp
- ▶ **Colour:** orange
- ▶ **Type:** standard

HIT KAGW suspension link 2-leg

Standard suspension link with direct connection for 2-leg chain slings.



WLL 0-45°		kg	26500
for nominal size of chain 2-leg		mm	22
Single crane hook up to no. (DIN 15401)			25
Double crane hook up to no. (DIN 15402)			32
Ring cross-sectional diameter	F	mm	45
Clear height	T	mm	340
Clearance	W	mm	180
Suspension point distance	E	mm	436,5
Weight approx.		kg	17,88
Reference no.			178530

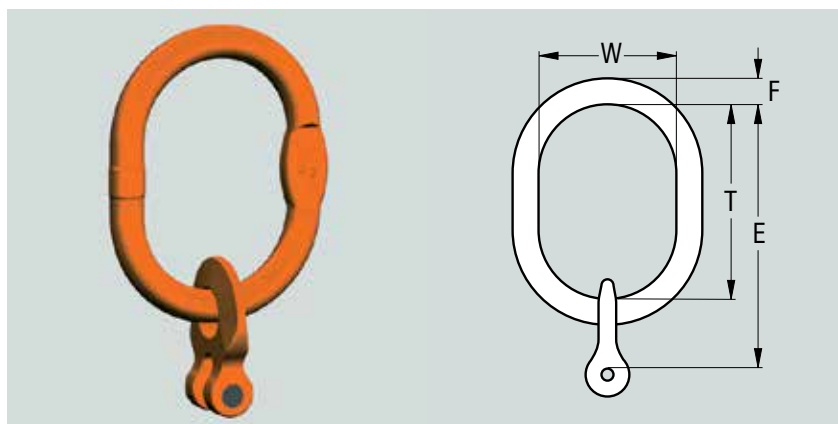
- ▶ Large interior width
- ▶ Quality grade: 10
- ▶ WLL: 1,4 t to 19 t

Technical data

- ▶ **Operating temperature:**
 - 40 °C to +200 °C = 100 % working load limit;
 - +200 °C to +300 °C = 90 % working load limit;
 - +300 °C to +380 °C = 60 % working load limit
- ▶ **Standard:** on the basis of DIN EN 1677
- ▶ **Safety factor:** 4
- ▶ **Identification mark:** Batch number
- ▶ **Surface:** powder-coated
- ▶ **Certification:** H-stamp
- ▶ **Colour:** orange
- ▶ **Type:** Standard

HIT KMGW large suspension link single-leg

Suspension link with direct connection and large interior width especially for large crane hooks for single leg chain slings.



WLL direct		kg	1400	2500	4000	6700	10000	16000	19000
for nominal size of chain single-leg		mm	6	8	10	13	16	19	22
Single crane hook up to no. (DIN 15401)			4	5	6	10	10	12	20
Double crane hook up to no. (DIN 15402)			5	6	8	12	12	16	25
Ring cross-sectional diameter	F	mm	14	16	19	23	27	33	38
Clear height	T	mm	120	140	160	160	190	230	275
Clearance	W	mm	70	80	95	110	110	130	150
Suspension point distance	E	mm	151	183	212	234	265	324	377
Weight approx.		kg	0,52	0,87	1,67	2,39	3,82	7,11	11,43
Reference no.			178533	178534	178535	178536	178537	436473	436474

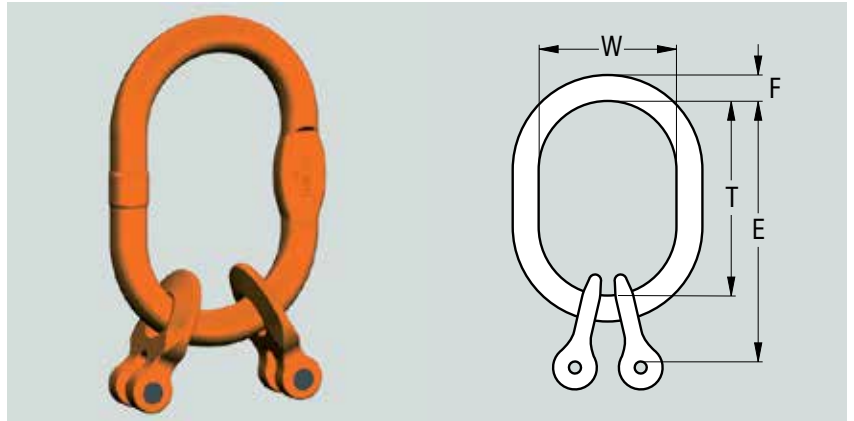
- ▶ Large interior width
- ▶ Quality grade: 10
- ▶ WLL: 2 t to 26,5 t

Technical data

- ▶ **Operating temperature:**
 -40 °C to +200 °C = 100 % working load limit;
 +200 °C to +300 °C = 90 % working load limit;
 +300 °C to +380 °C = 60 % working load limit
- ▶ **Standard:** on the basis of DIN EN 1677
- ▶ **Safety factor:** 4
- ▶ **Identification mark:** Batch number
- ▶ **Surface:** powder-coated
- ▶ **Certification:** H-stamp
- ▶ **Colour:** orange
- ▶ **Type:** Standard

HIT KMGW large suspension link 2-leg

Suspension link with direct connection and large interior width especially for large crane hooks for 2-leg chain slings.



WLL 0-45°		kg	2000	3550	5600	9500	14000	20000	26500
for nominal size of chain 2-leg		mm	6	8	10	13	16	19	22
Single crane hook up to no. (DIN 15401)			4	6	10	10	12	20	25
Double crane hook up to no. (DIN 15402)			5	8	12	12	16	25	32
Ring cross-sectional diameter	F	mm	14	19	23	27	33	38	45
Clear height	T	mm	120	160	160	190	230	275	340
Clearance	W	mm	70	95	110	110	130	150	180
Suspension point distance	E	mm	151	203	222	254	305	369	442
Weight approx.		kg	0,6	1,58	2,54	4,32	7,12	7,12	21,51
Reference no.			178538	178539	178540	178541	178542	436476	436477

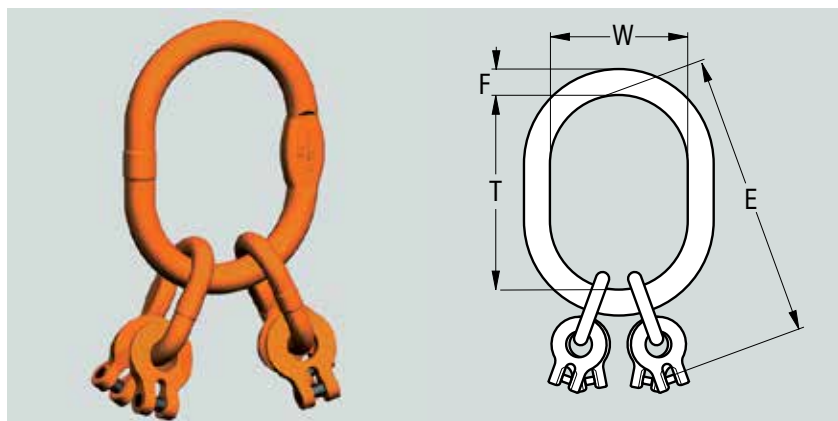
- ▶ Large interior width
- ▶ Quality grade: 10
- ▶ WLL: 3 t to 40 t

Technical data

- ▶ **Operating temperature:**
 -40 °C to +200 °C = 100 % working load limit;
 +200 °C to +300 °C = 90 % working load limit;
 +300 °C to +380 °C = 60 % working load limit
- ▶ **Standard:** on the basis of DIN EN 1677
- ▶ **Safety factor:** 4
- ▶ **Identification mark:** Batch number
- ▶ **Surface:** powder-coated
- ▶ **Certification:** H-stamp
- ▶ **Colour:** orange
- ▶ **Type:** Standard

HIT KMGW large suspension link 4-leg

Suspension link with direct connection and large interior width especially for large crane hooks for 4-leg chain slings. Also, suitable doubled for endless basket chains.



WLL 0-45°		kg	3000	5300	8000	14000	21200	30000	40000
for nominal size of chain 4-leg		mm	6	8	10	13	16	19	22
Single crane hook up to no. (DIN 15401)			6	10	10	12	20	50	50
Double crane hook up to no. (DIN 15402)			8	12	12	16	25	63	63
Ring cross-sectional diameter	F	mm	19	23	27	33	38	56	56
Clear height	T	mm	160	170	190	230	275	350	350
Clearance	W	mm	95	105	110	130	150	250	250
Suspension point distance	E	mm	245	283	327	409	490	594	622
Weight approx.		kg	1,75	3,21	6,33	9,9	16	37,62	46,02
Reference no.			178543	178544	178545	178547	178548	436479	436480

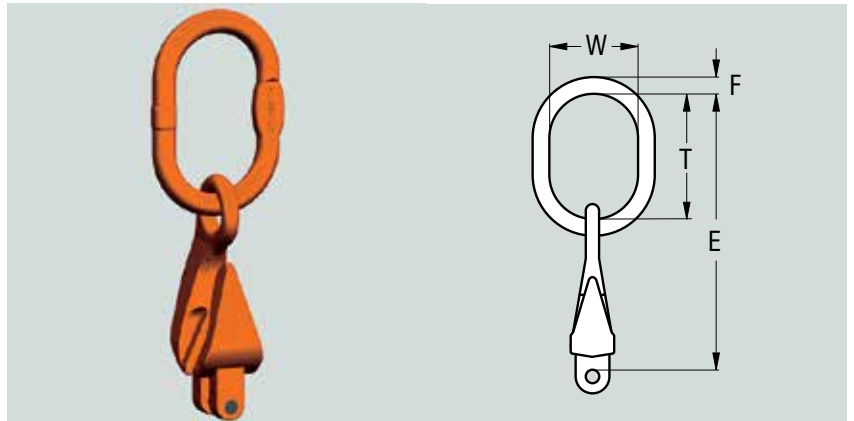
- ▶ **Quality grade: 10**
- ▶ **WLL: 1,4 t to 10 t**

Technical data

- ▶ **Operating temperature:**
 -40 °C to +200 °C = 100 % working load limit;
 +200 °C to +300 °C = 90 % working load limit;
 +300 °C to +380 °C = 60 % working load limit
- ▶ **Standard:** DIN EN 1677-1
- ▶ **Safety factor:** 4
- ▶ **Identification mark:** Batch number
- ▶ **Surface:** powder-coated
- ▶ **Certification:** H-stamp
- ▶ **Colour:** orange
- ▶ **Type:** Standard

HIT VMXKW suspension link Single-leg with shortener

Suspension link with direct connection and shortening hook especially for large crane hooks for single leg chain slings. The shortener enables horizontal alignment of the load in multi-leg attachment even with difficult transport procedures as well as suitable adjustment of the load for assemblies.



WLL direct		kg	1400	2500	4000	6700	10000
for nominal size of chain single-leg		mm	6	8	10	13	16
Single crane hook up to no. (DIN 15401)			4	5	6	10	10
Double crane hook up to no. (DIN 15402)			5	6	8	12	12
Ring cross-sectional diameter	F	mm	14	16	19	23	27
Clear height	T	mm	120	140	160	170	190
Clearance	W	mm	70	80	95	105	110
Suspension point distance	E	mm	204	262	321	373	425
Weight approx.		kg	0,74	1,3	2,34	4,39	7,45
Reference no.			435101	435103	435104	435105	435106

- ▶ **Quality grade: 10**
- ▶ **WLL: 2 t to 14 t**

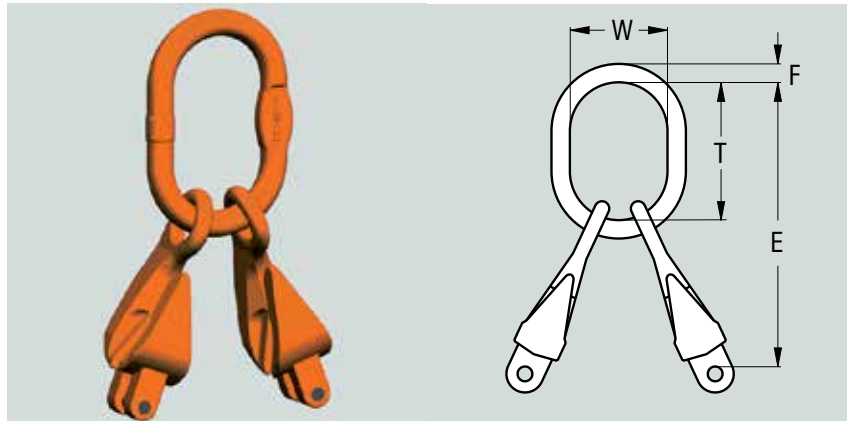
Technical data

- ▶ **Operating temperature:**
 - 40 °C to +200 °C = 100 % working load limit;
 - +200 °C to +300 °C = 90 % working load limit;
 - +300 °C to +380 °C = 60 % working load limit
- ▶ **Standard:** DIN EN 1677-1
- ▶ **Safety factor:** 4
- ▶ **Identification mark:** Batch number
- ▶ **Surface:** powder-coated
- ▶ **Certification:** H-stamp
- ▶ **Colour:** orange
- ▶ **Type:** Standard

HIT VMXKW suspension link 2-leg with shortener

Suspension link with direct connection and shortening hook especially for large crane hooks for 2-leg chain slings.

The shortener enables horizontal alignment of the load in multi-leg attachment even with difficult transport procedures as well as suitable adjustment of the load for assemblies.



WLL 0-45°		kg	2000	3550	5600	9500	14000
for nominal size of chain 2-leg		mm	6	8	10	13	16
Single crane hook up to no. (DIN 15401)			6	8	10	13	16
Double crane hook up to no. (DIN 15402)			4	6	10	10	12
Ring cross-sectional diameter	F	mm	14	19	23	27	33
Clear height	T	mm	120	160	170	190	230
Clearance	W	mm	70	95	105	110	130
Suspension point distance	E	mm	204	282	331	393	465
Weight approx.		kg	1,04	2,35	4,19	8,05	14,38
Reference no.			435107	283029	283030	435109	435110

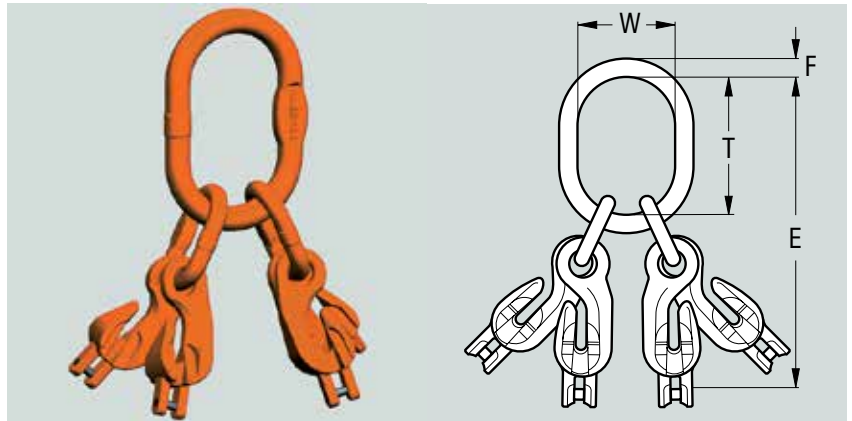
- ▶ **Quality grade: 10**
- ▶ **WLL: 3 t to 21,2 t**

Technical data

- ▶ **Operating temperature:**
 -40 °C to +200 °C = 100 % working load limit;
 +200 °C to +300 °C = 90 % working load limit;
 +300 °C to +380 °C = 60 % working load limit
- ▶ **Standard:** DIN EN 1677-1
- ▶ **Safety factor:** 4
- ▶ **Identification mark:** Batch number
- ▶ **Surface:** powder-coated
- ▶ **Certification:** H-stamp
- ▶ **Colour:** orange
- ▶ **Type:** Standard

HIT VMXKW suspension link 4-leg with shortener

Suspension link with direct connection and shortening hook especially for large crane hooks for 4-leg chain slings. The shortener enables horizontal alignment of the load in multi-leg attachment even with difficult transport procedures as well as suitable adjustment of the load for assemblies.



WLL 0-45°		kg	3000	5300	8000	14000	21200
for nominal size of chain 4-leg		mm	6	8	10	13	16
Single crane hook up to no. (DIN 15401)			6	10	10	12	20
Double crane hook up to no. (DIN 15402)			8	12	12	16	25
Ring cross-sectional diameter	F	mm	19	23	27	33	38
Clear height	T	mm	160	170	190	230	275
Clearance	W	mm	95	105	110	130	150
Suspension point distance	E	mm	298	362	436	548	650
Weight approx.		kg	2,63	4,93	9,01	17,9	30,52
Reference no.			378884	435112	435113	435114	435116

- ▶ Extra-large interior width
- ▶ Quality grade: 10
- ▶ WLL: 1,4 t to 10 t

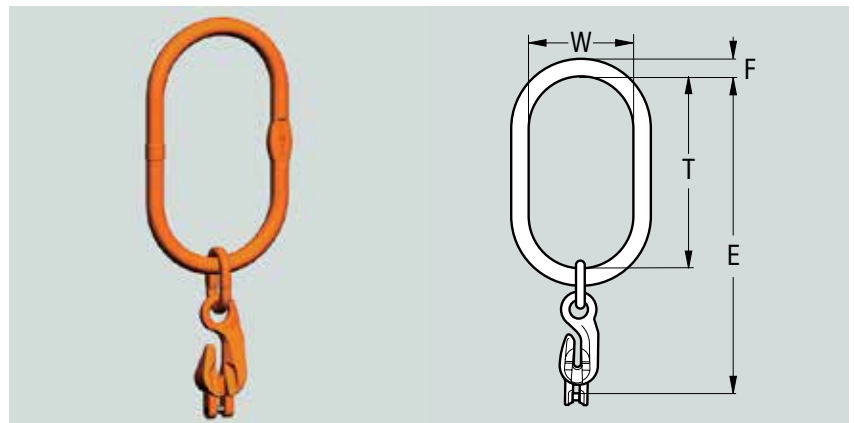
Technical data

- ▶ **Operating temperature:**
 - 40 °C to +200 °C = 100 % working load limit;
 - +200 °C to +300 °C = 90 % working load limit;
 - +300 °C to +380 °C = 60 % working load limit
- ▶ **Standard:** on the basis of DIN EN 1677
- ▶ **Safety factor:** 4
- ▶ **Identification mark:** Batch number
- ▶ **Surface:** powder-coated
- ▶ **Certification:** H-stamp
- ▶ **Colour:** orange
- ▶ **Type:** Oversize

HIT LXKW extra-large suspension link Single-leg with shortener

Suspension link with direct connection, shortening hook and large interior width especially for large crane hooks for single leg chain slings.

The shortener enables horizontal alignment of the load in multi-leg attachment even with difficult transport procedures as well as suitable adjustment of the load for assemblies.



WLL direct		kg	1400	2500	4000	6700	10000
for nominal size of chain single-leg		mm	6	8	10	13	16
Single crane hook up to no. (DIN 15401)			25	25	25	25	25
Double crane hook up to no. (DIN 15402)			32	32	32	32	32
Ring cross-sectional diameter	F	mm	23	23	27	27	33
Clear height	T	mm	340	340	340	340	340
Clearance	W	mm	180	180	180	180	180
Suspension point distance	E	mm	478	516	569	629	688
Weight approx.		kg	3,7	4	6	7,8	12,6
Reference no.			178551	178552	146429	146430	146431

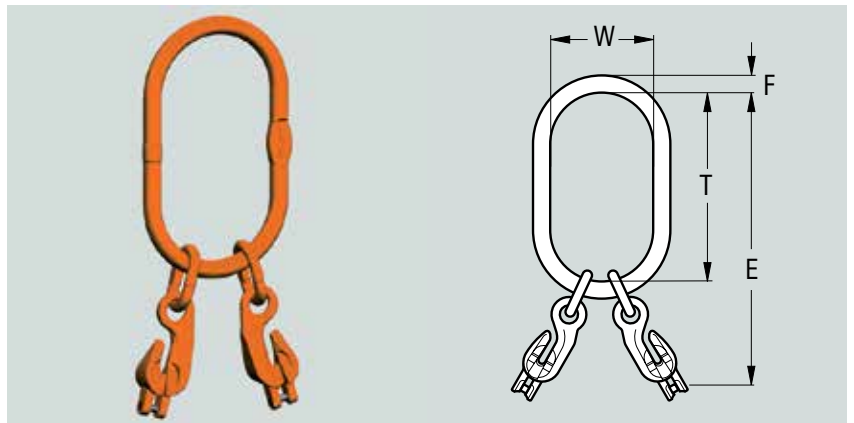
- ▶ **Extra-large interior width**
- ▶ **Quality grade: 10**
- ▶ **WLL: 2 t to 14 t**

Technical data

- ▶ **Operating temperature:**
 -40 °C to +200 °C = 100 % working load limit;
 +200 °C to +300 °C = 90 % working load limit;
 +300 °C to +380 °C = 60 % working load limit
- ▶ **Standard:** on the basis of DIN EN 1677
- ▶ **Safety factor:** 4
- ▶ **Identification mark:** Batch number
- ▶ **Surface:** powder-coated
- ▶ **Certification:** H-stamp
- ▶ **Colour:** orange
- ▶ **Type:** Oversize

HIT LXKW extra-large suspension link 2-leg with shortener

Suspension link with direct connection, shortening hook and large interior width especially for large crane hooks for 2-leg chain slings. The shortener enables horizontal alignment of the load in multi-leg attachment even with difficult transport procedures as well as suitable adjustment of the load for assemblies.



WLL 0-45°		kg	2000	3550	5600	9500	14000
for nominal size of chain 2-leg		mm	6	8	10	13	16
Single crane hook up to no. (DIN 15401)			25	25	25	25	25
Double crane hook up to no. (DIN 15402)			32	32	32	32	32
Ring cross-sectional diameter	F	mm	23	23	27	33	40
Clear height	T	mm	340	340	340	340	340
Clearance	W	mm	180	180	180	180	180
Suspension point distance	E	mm	478	516	569	629	688
Weight approx.		kg	4,14	4,8	7,6	13,5	21,9
Reference no.			178553	178554	146432	146433	146434

- ▶ Extra-large interior width
- ▶ Quality grade: 10
- ▶ WLL: 3 t to 21,2 t

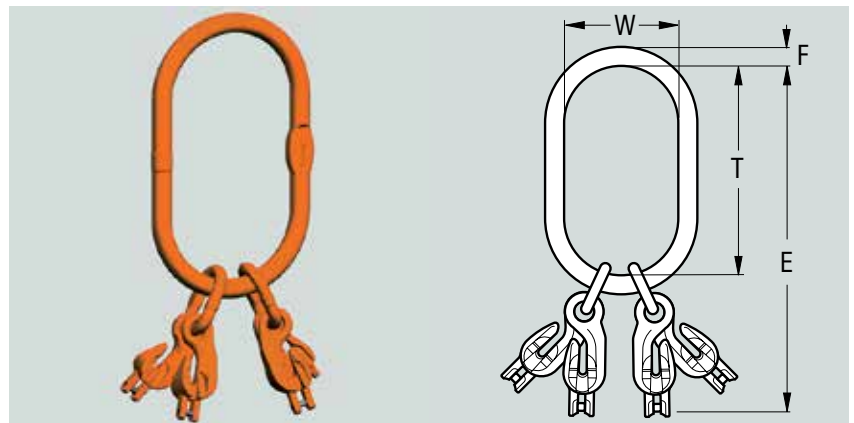
Technical data

- ▶ **Operating temperature:**
 - 40 °C to +200 °C = 100 % working load limit;
 - +200 °C to +300 °C = 90 % working load limit;
 - +300 °C to +380 °C = 60 % working load limit
- ▶ **Standard:** on the basis of DIN EN 1677
- ▶ **Safety factor:** 4
- ▶ **Identification mark:** Batch number
- ▶ **Surface:** powder-coated
- ▶ **Certification:** H-stamp
- ▶ **Colour:** orange
- ▶ **Type:** Oversize

HIT LXKW extra-large suspension link 4-leg with shortener

Suspension link with direct connection, shortening hook and large interior width especially for large crane hooks for 4- leg chain slings.

The shortener enables horizontal alignment of the load in multi-leg attachment even with difficult transport procedures as well as suitable adjustment of the load for assemblies.



WLL 0-45°		kg	3000	5300	8000	14000	21200
for nominal size of chain 4-leg		mm	6	8	10	13	16
Single crane hook up to no. (DIN 15401)			25	25	25	25	25
Double crane hook up to no. (DIN 15402)			32	32	32	32	32
Ring cross-sectional diameter	F	mm	23	27	33	40	40
Clear height	T	mm	340	340	340	340	340
Clearance	W	mm	180	180	180	180	180
Suspension point distance	E	mm	478	532	584	659	713
Weight approx.		kg	4,7	7,6	13,1	23,1	33,1
Reference no.			160592	165824	146363	146364	146365

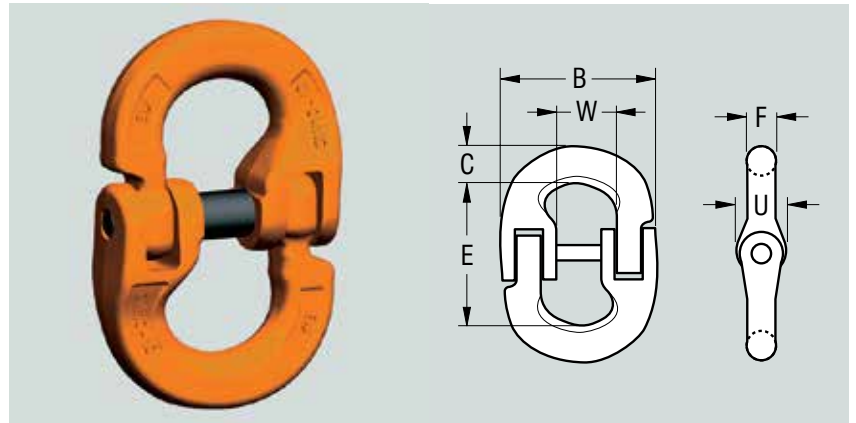
- ▶ **Quality grade: 10**
- ▶ **WLL: 1,4 t to 40 t**

Technical data

- ▶ **Operating temperature:**
 -40 °C to +200 °C = 100 % working load limit;
 +200 °C to +300 °C = 90 % working load limit;
 +300 °C to +380 °C = 60 % working load limit
- ▶ **Standard:** on the basis of DIN EN 1677
- ▶ **Safety factor:** 4
- ▶ **Identification mark:** Batch number
- ▶ **Surface:** powder-coated
- ▶ **Certification:** H-stamp
- ▶ **Colour:** orange
- ▶ **Type:** Standard

HIT universal connecting link

Connecting link for rapid connection of attachment components.



WLL		kg	1400	2500	4000	6700	10000	14000	19000	26500	40000
for nominal size of chain		mm	6	8	10	13	16	19	22	26	32
Ring cross-sectional diameter	F	mm	8	10	13	17	20	25	26	30	35
Clearance	W	mm	14	19	24	28	34	44	52	62	80
Structural element width	B	mm	39	55	64	79	105	126	148	175	216
Bracket height	C	mm	8	12	15	20	24	32	36	40	47
Body thickness	U	mm	13	20	22	26	35	45	46	57	63
Suspension point distance	E	mm	44	62	72	88	112	126	157	179	206
Weight approx.		kg	0,08	0,23	0,42	0,84	1,4	2,4	4,15	6,7	11,2
Reference no.			155306	155307	155308	155309	155310	162918	178555	214970	246760

- ▶ Cannot be dismantled
- ▶ Quality grade: 10
- ▶ WLL: 4 t to 10 t

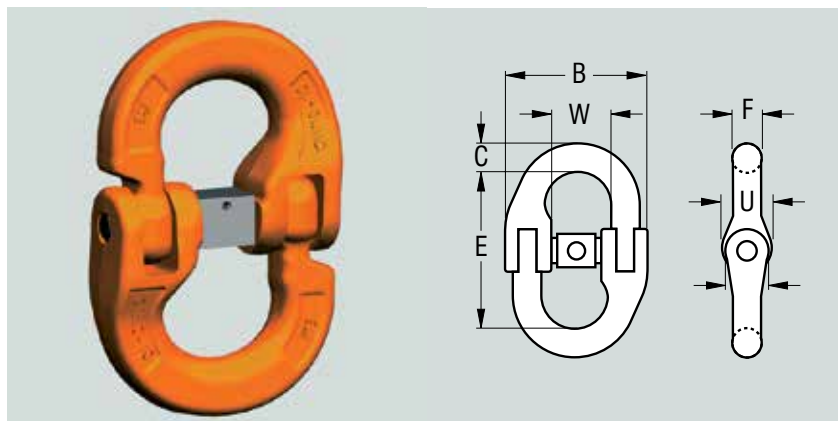
Technical data

- ▶ **Operating temperature:**
 - 40 °C to +200 °C = 100 % working load limit;
 - +200 °C to +300 °C = 90 % working load limit;
 - +300 °C to +380 °C = 60 % working load limit
- ▶ **Standard:** on the basis of DIN EN 1677
- ▶ **Safety factor:** 4
- ▶ **Identification mark:** Batch number
- ▶ **Surface:** powder-coated
- ▶ **Certification:** H-stamp
- ▶ **Colour:** orange
- ▶ **Type:** Standard

HIT CLW universal connecting link

Non-detachable connecting link for rapid connection of attachment components.

Especially for applications in which the bolt may be not removed or in which it must be secured by a form fit – e.g. with magnetic suspension gear.



WLL		kg	4000	6700	10000
for nominal size of chain		mm	10	13	16
Ring cross-sectional diameter	F	mm	13	17	21
Clearance	W	mm	24	28	33
Structural element width	B	mm	64	79	106
Bracket height	C	mm	15	20	21
Body thickness	U	mm	22	26	31
Suspension point distance	E	mm	72	88	112
Weight approx.		kg	0,42	0,84	1,4
Reference no.			218101	218102	218103

- ▶ **Quality grade: 10**
- ▶ **WLL: 2,5 t to 19 t**

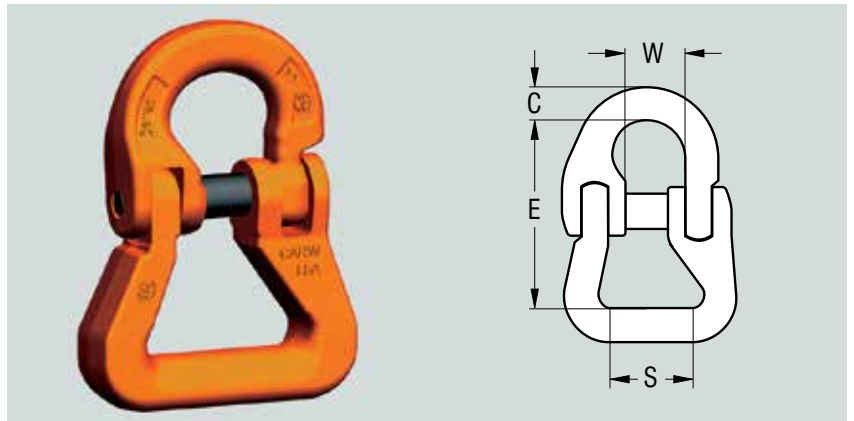
Technical data

- ▶ **Operating temperature:**
 -40 °C to +200 °C = 100 % working load limit;
 +200 °C to +300 °C = 90 % working load limit;
 +300 °C to +380 °C = 60 % working load limit
- ▶ **Standard:** on the basis of DIN EN 1677
- ▶ **Safety factor:** 4
- ▶ **Identification mark:** Batch number
- ▶ **Surface:** powder-coated
- ▶ **Certification:** H-stamp
- ▶ **Colour:** orange

HIT CARW textile coupling

Connecting link especially for connection of textile attachment device, e.g. round slings or lifting straps on load hooks or suspension rings.

Due to the wide contact radius of the textile coupling, the working load limit of the textile attachment device is retained.



WLL		kg	2500	4000	6700	10000	19000
for nominal size of chain		mm	8	10	13	16	22
Contact surface width	S	mm	29	40	44	47	110
Clearance	W	mm	19	24	28	34	52
Bracket height	C	mm	12	15	20	24	36
Suspension point distance	E	mm	66	81	104	113	190
Weight approx.		kg	0,3	0,5	1,1	2	7,93
Reference no.			178616	178617	178618	178619	178620

- ▶ **Increased working load limit**
- ▶ **Quality grade: 10**
- ▶ **WLL: 2 t to 37,5 t**

Technical data

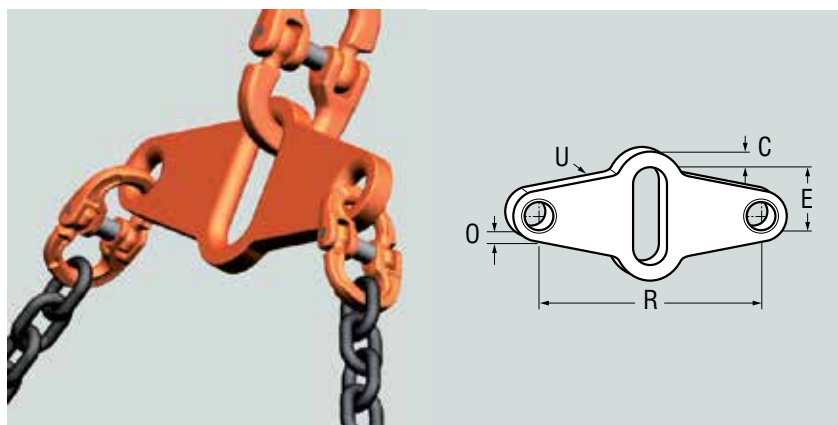
- ▶ **Operating temperature:**
 - 40 °C to +200 °C = 100 % working load limit;
 - +200 °C to +300 °C = 90 % working load limit;
 - +300 °C to +380 °C = 60 % working load limit
- ▶ **Standard:** on the basis of DIN EN 1677
- ▶ **Safety factor:** 4
- ▶ **Identification mark:** Batch number
- ▶ **Surface:** powder-coated
- ▶ **Certification:** H-stamp
- ▶ **Colour:** orange

HIT balancing rocker

Balancing rocker to increase of the working load limit in the 4-leg suspension gear.

The balancing rocker compensates for the admissible length tolerances of chain legs in 4-leg assemblies, achieving working load limits with 4 load-bearing legs and symmetrical loading.

Rotating the rocker by 180° can double the service life.



WLL 0-45°		kg	2000	3550	5600	9500	14000	20000	26500	37500
WLL 45°-60°		kg	1400	2500	4000	6700	10000	14000	19000	26500
for nominal size of chain		mm	6	8	10	13	16	19	22	26
Bracket height	C	mm	11	15,5	23	27	32	45	50	60
Body thickness	U	mm	10	15	15	20	25	30	30	40
Eye width	O	mm	9	14	15,5	20	25	30	35	40
Drill hole distance	R	mm	148	210	180	240	300	390	350	400
Suspension point distance	E	mm	35	51	32	53	77	79	124	130
Weight approx.		kg	0,54	1,75	1,56	3,6	7,18	13,2	15	25,6
Reference no.			258969	258970	258971	258972	258973	283536	283538	283539

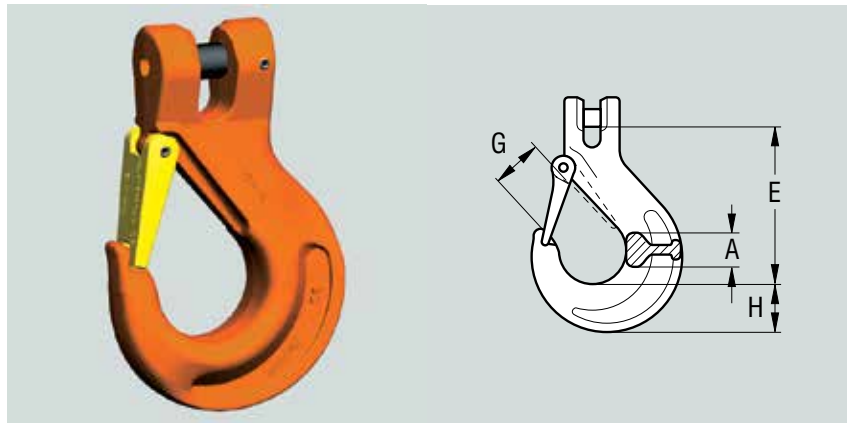
- ▶ **Quality grade: 10**
- ▶ **WLL: 1,4 t to 19 t**

Technical data

- ▶ **Operating temperature:**
 -40 °C to +200 °C = 100 % working load limit;
 +200 °C to +300 °C = 90 % working load limit;
 +300 °C to +380 °C = 60 % working load limit
- ▶ **Standard:** on the basis of DIN EN 1677
- ▶ **Safety factor:** 4
- ▶ **Identification mark:** Batch number
- ▶ **Surface:** powder-coated
- ▶ **Certification:** H-stamp
- ▶ **Colour:** orange
- ▶ **Type:** Standard

HIT KHSW coupling load hook

Standard load hook with direct connection and standard-compliant forged safety catch.
 As end hook or suspension hook for simple and fast connection of the chain sling to the load.



WLL		kg	1400	2500	4000	6700	10000	14000	19000
for nominal size of chain		mm	6	8	10	13	16	19	22
Hook opening width	G	mm	19	26	31	39	45	53	62
Hook base height	H	mm	20	28	35	41	49	53	62
Hook thickness	A	mm	15	19	25	34	37	51	52
Suspension point distance	E	mm	69	95	109	136	155	184	214
Weight approx.		kg	0,2	0,6	1,1	2,1	3,5	5	9
Reference no.			135781	135782	135783	135784	135785	178593	178594

- ▶ **Narrow hook base**
- ▶ **Large aperture**
- ▶ **Quality grade: 10**
- ▶ **WLL: 2,5 t to 4 t**

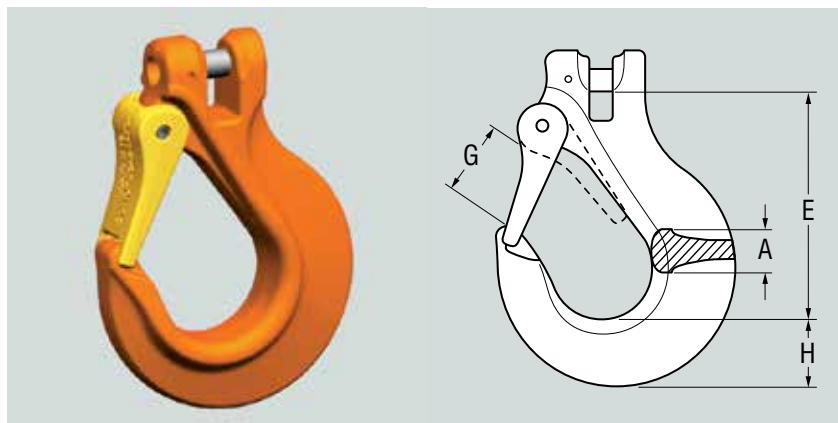
Technical data

- ▶ **Operating temperature:**
 - 40 °C to +200 °C = 100 % working load limit;
 - +200 °C to +300 °C = 90 % working load limit;
 - +300 °C to +380 °C = 60 % working load limit
- ▶ **Standard:** on the basis of DIN EN 1677
- ▶ **Safety factor:** 4
- ▶ **Identification mark:** Batch number
- ▶ **Surface:** powder-coated
- ▶ **Certification:** H-stamp
- ▶ **Colour:** orange

HIT BKHSW coupling load hook

Special load hook with direct connection, larger jaw size, forged standard-compliant safety latch and narrow hook base for hooking smaller lifting points and connecting devices.

As end hook or suspension hook with large jaw size for high loads and for connecting thicker diameters, rings, widths and breadths.



WLL		kg	2500	4000
for nominal size of chain		mm	8	10
Hook opening width	G	mm	32	38
Hook base height	H	mm	27	33
Hook thickness	A	mm	25	30
Suspension point distance	E	mm	93	111
Weight approx.		kg	0,9	1,5
Reference no.			252477	252478

- ▶ **Quality grade: 10**
- ▶ **WLL: 1,4 t to 40 t**

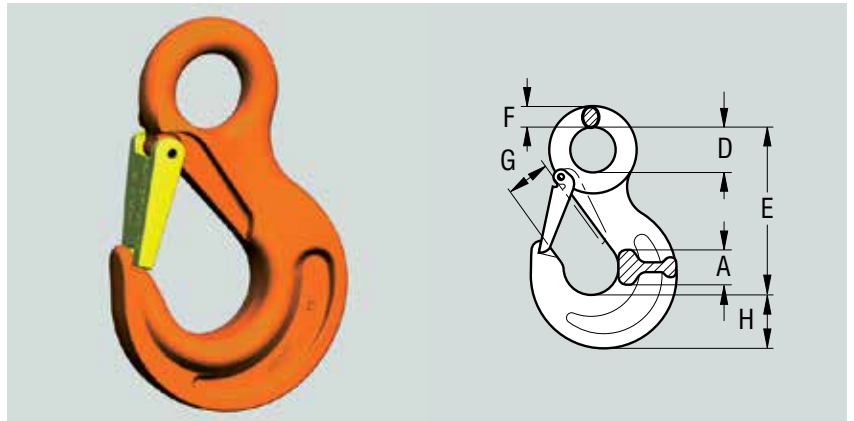
Technical data

- ▶ **Operating temperature:**
 -40 °C to +200 °C = 100 % working load limit;
 +200 °C to +300 °C = 90 % working load limit;
 +300 °C to +380 °C = 60 % working load limit
- ▶ **Standard:** on the basis of DIN EN 1677
- ▶ **Safety factor:** 4
- ▶ **Identification mark:** Batch number
- ▶ **Surface:** powder-coated
- ▶ **Certification:** H-stamp
- ▶ **Colour:** orange
- ▶ **Type:** Standard

HIT HSW eye load hook

Standard load hook with eye connector and standard-compliant forged safety latch.

As end hook or suspension hook for simple and fast connection of the chain sling to the load.



WLL		kg	1400	2500	4000	6700	10000	14000	19000	26500	40000
for nominal size of chain		mm	6	8	10	13	16	19	22	26	32
Ring cross-sectional diameter	F	mm	10	11	16	19	24,5	27	29	37	45
Diameter Eye	D	mm	20	25	34	43	50	55	60	70	66
Hook opening width	G	mm	19	26	31	39	45	53	62	73	87
Hook base height	H	mm	21	27	33	43,5	50	55	62	75	97
Hook thickness	A	mm	16,5	19	26	33	40	48	50	60	82
Suspension point distance	E	mm	85	106	131	164	183	205	225	260	299
Weight approx.		kg	0,3	0,6	1,25	2,2	3,5	6,1	8	12,8	27,5
Reference no.			178557	178558	178559	178560	178561	178562	178563	215378	246758

- ▶ Self-closing
- ▶ Quality grade: 10
- ▶ WLL: 1,4 t to 26,5 t

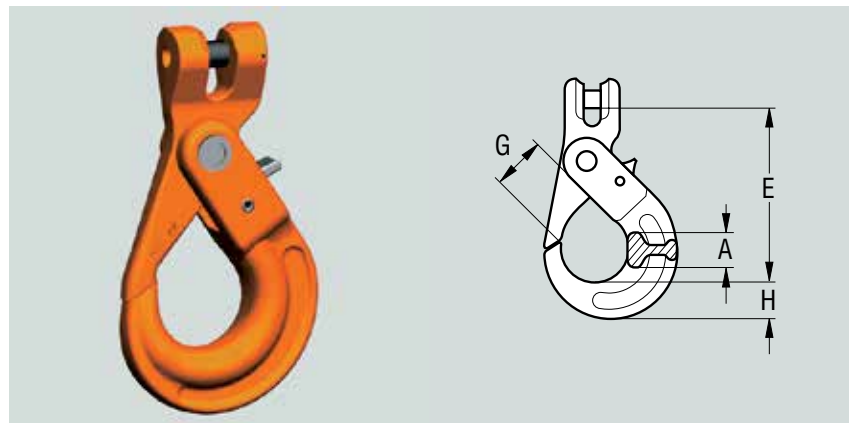
Technical data

- ▶ **Operating temperature:**
 - 40 °C to +200 °C = 100 % working load limit;
 - +200 °C to +300 °C = 90 % working load limit;
 - +300 °C to +380 °C = 60 % working load limit
- ▶ **Standard:** on the basis of DIN EN 1677
- ▶ **Safety factor:** 4
- ▶ **Identification mark:** Batch number
- ▶ **Surface:** powder-coated
- ▶ **Certification:** H-stamp
- ▶ **Colour:** orange
- ▶ **Type:** Self-closing

HIT KLHWP coupling safety load hook

Hook with direct connection and intelligent locking system for increased safety.

The locking system closes automatically and locks the hook safety latch which prevents inadvertent unhooking of the load, the hook stays closed even in the unloaded state. The lock is released at the back of the hook.



WLL		kg	1400	2500	4000	6700	10000	14000	19000	26500
for nominal size of chain		mm	6	8	10	13	16	19	22	26
Hook opening width	G	mm	28	34	45	52	60	70	81	100
Hook base height	H	mm	20	26	30	40	50	62	65	79
Hook thickness	A	mm	17	20	29	35	41	50	52	61
Suspension point distance	E	mm	94	123	144	180	218	259	286	338
Weight approx.		kg	0,5	0,9	1,6	3,11	5,8	9,9	12,8	20,5
Reference no.			155301	155302	155303	155304	155305	246782	246783	246784

- ▶ **Self-closing**
- ▶ **Quality grade: 10**
- ▶ **WLL: 1,4 t to 26,5 t**

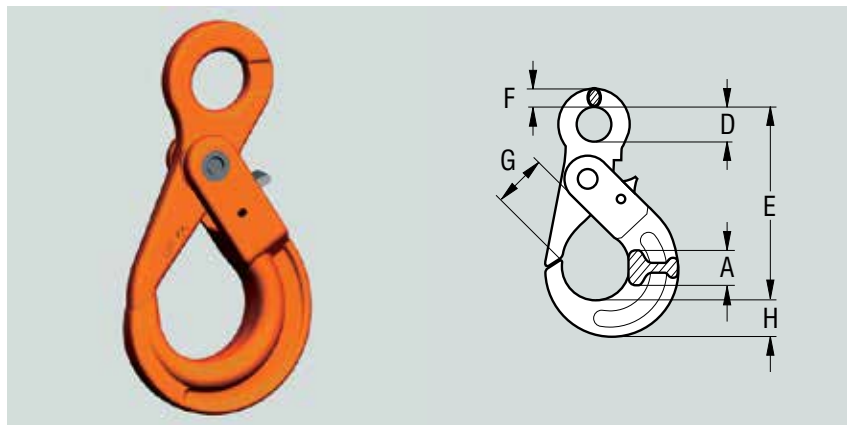
Technical data

- ▶ **Operating temperature:**
 -40 °C to +200 °C = 100 % working load limit;
 +200 °C to +300 °C = 90 % working load limit;
 +300 °C to +380 °C = 60 % working load limit
- ▶ **Standard:** on the basis of DIN EN 1677
- ▶ **Safety factor:** 4
- ▶ **Identification mark:** Batch number
- ▶ **Surface:** powder-coated
- ▶ **Certification:** H-stamp
- ▶ **Colour:** orange

HIT LHW safety eye load hook

Hook with eye connector and intelligent locking system for increased safety.

The locking system closes automatically and locks the hook safety latch which prevents inadvertent unhooking of the load, the hook stays closed even in the unloaded state. The lock is released at the back of the hook.



WLL		kg	1400	2500	4000	6700	10000	14000	19000	26500
for nominal size of chain		mm	6	8	10	13	16	19	22	26
Ring cross-sectional diameter	F	mm	11	12	15	20	27	30	32	42
Diameter Eye	D	mm	21	27	34,5	40	50	60	70	82
Hook opening width	G	mm	28	34	45	52	60	70	81	100
Hook base height	H	mm	20	26	30	40	50	62	65	79
Hook thickness	A	mm	17	20	29	35	41	50	52	61
Suspension point distance	E	mm	110	136	169	205	251	290	322	383
Weight approx.		kg	0,5	0,9	1,5	2,7	5,7	9,8	12,4	20
Reference no.			178564	178565	178566	178567	178568	178569	178570	413982

- ▶ Large aperture
- ▶ Quality grade: 10
- ▶ WLL: 2,5 t to 6,7 t

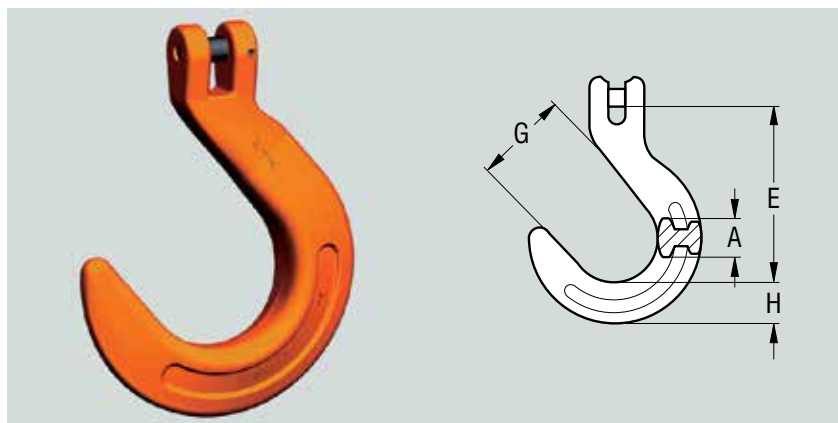
Technical data

- ▶ **Operating temperature:**
 - 40 °C to +200 °C = 100 % working load limit;
 - +200 °C to +300 °C = 90 % working load limit;
 - +300 °C to +380 °C = 60 % working load limit
- ▶ **Standard:** on the basis of DIN EN 1677
- ▶ **Safety factor:** 4
- ▶ **Identification mark:** Batch number
- ▶ **Surface:** powder-coated
- ▶ **Certification:** H-stamp
- ▶ **Colour:** orange

HIT KFW coupling foundry hook

Hook with direct connection with large aperture for rapid hooking and unhooking without safety latch, often used as foundry hook. As end hook or suspension hook for simple and fast connection of the chain sling to the load.

CAUTION: According to German Statutory Accident Insurance regulation 109-017 these hooks should only be used where unintentional unhooking is not possible.



WLL		kg	2500	4000	6700
for nominal size of chain		mm	8	10	13
Hook opening width	G	mm	64	76	89
Hook base height	H	mm	29	35	42
Hook thickness	A	mm	25	32	40
Suspension point distance	E	mm	120	140	170
Weight approx.		kg	1	1,78	2,96
Reference no.			178596	178597	178598

- ▶ **Large aperture**
- ▶ **Quality grade: 10**
- ▶ **WLL: 2,5 t to 40 t**

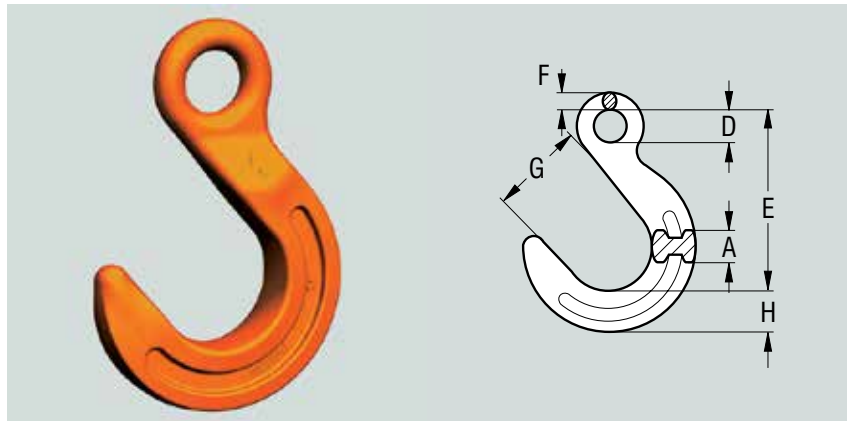
Technical data

- ▶ **Operating temperature:**
 -40 °C to +200 °C = 100 % working load limit;
 +200 °C to +300 °C = 90 % working load limit;
 +300 °C to +380 °C = 60 % working load limit
- ▶ **Standard:** on the basis of DIN EN 1677
- ▶ **Safety factor:** 4
- ▶ **Identification mark:** Batch number
- ▶ **Surface:** powder-coated
- ▶ **Certification:** H-stamp
- ▶ **Colour:** orange

HIT FW eye foundry hook

Hook with eye connector with large aperture for rapid hooking and unhooking without safety latch, often used as foundry hook. As end hook or suspension hook for simple and fast connection of the chain sling to the load.

CAUTION: According to German Statutory Accident Insurance regulation 109-017 these hooks should only be used where unintentional unhooking is not possible.



WLL		kg	2500	4000	6700	10000	14000	19000	26500	40000
for nominal size of chain		mm	8	10	13	16	19	22	26	32
Ring cross-sectional diameter	F	mm	11	14	17	22	28	31	38	44
Diameter Eye	D	mm	24	31	39	47	56	47	82	66
Hook opening width	G	mm	64	76	89	102	114	140	152	170
Hook base height	H	mm	29	35	42	50	61	75	84	101
Hook thickness	A	mm	25	32	40	46	54	63	73	90
Suspension point distance	E	mm	131	158	190	224	260	287	358	370
Weight approx.		kg	0,92	1,77	2,82	5,03	9,24	13,4	21,4	34
Reference no.			178571	178572	178573	178574	178575	381834	381835	381836

- ▶ Rotatable (not under load)
- ▶ Quality grade: 10
- ▶ WLL: 1,4 t to 10 t

Technical data

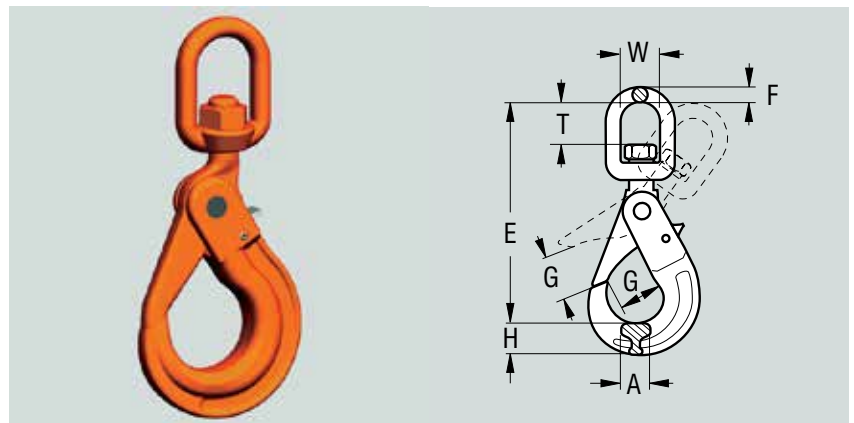
- ▶ **Operating temperature:**
 - 40 °C to +200 °C = 100 % working load limit;
 - +200 °C to +300 °C = 90 % working load limit;
 - +300 °C to +380 °C = 60 % working load limit
- ▶ **Standard:** on the basis of DIN EN 1677
- ▶ **Safety factor:** 4
- ▶ **Identification mark:** Batch number
- ▶ **Surface:** powder-coated
- ▶ **Certification:** H-stamp
- ▶ **Colour:** orange

HIT WLHW safety swivel hook

Hook with swivel for rotating (not under load) and intelligent locking system for greater safety.

A twisted chain sling can be untwisted in the suspended state by the rotatable housing (not under load).

The locking system closes automatically and locks the hook safety latch which prevents inadvertent unhooking of the load, the hook stays closed even in the unloaded state. The lock is released at the back of the hook.



WLL		kg	1400	2500	4000	6700	10000
for nominal size of chain		mm	6	8	10	13	16
Ring cross-sectional diameter	F	mm	13	13	16	20	24
Clear height	T	mm	35	35	40	47	60
Clearance	W	mm	35	35	42	49	60
Hook opening width	G	mm	28	34	45	52	60
Hook base height	H	mm	20	26	30	40	50
Hook thickness	A	mm	17	20	29	35	41
Suspension point distance	E	mm	160	181	218	269	319
Weight approx.		kg	0,6	1,1	2	4	6,8
Reference no.			178621	178622	178623	178624	178625

- ▶ Rotatable under load
- ▶ Quality grade: 10
- ▶ WLL: 1,4 t to 10 t

Technical data

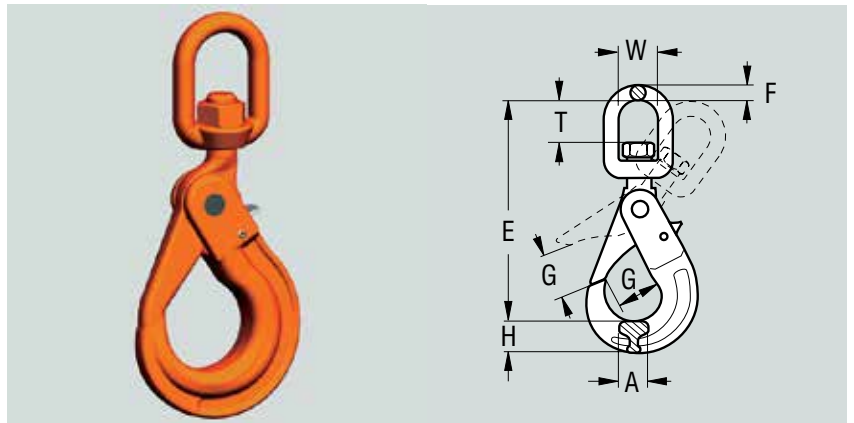
- ▶ **Operating temperature:**
 -40 °C to +200 °C = 100 % working load limit;
 +200 °C to +300 °C = 90 % working load limit;
 +300 °C to +380 °C = 60 % working load limit
- ▶ **Standard:** on the basis of DIN EN 1677
- ▶ **Safety factor:** 4
- ▶ **Identification mark:** Batch number
- ▶ **Surface:** powder-coated
- ▶ **Certification:** H-stamp
- ▶ **Colour:** orange

HIT WLHBW safety swivel hook

Hook with swivel for rotating under load and intelligent locking system for greater safety.

A twisted chain sling can be untwisted under load in the suspended state by the rotatable housing.

The locking system closes automatically and locks the hook safety latch which prevents inadvertent unhooking of the load, the hook stays closed even in the unloaded state. The lock is released at the back of the hook.



WLL		kg	1400	2500	4000	6700	10000
for nominal size of chain		mm	6	8	10	13	16
Ring cross-sectional diameter	F	mm	13	13	16	20	24
Clear height	T	mm	35	35	40	47	60
Clearance	W	mm	35	35	42	49	60
Hook opening width	G	mm	28	34	45	52	60
Hook base height	H	mm	20	26	30	40	50
Hook thickness	A	mm	17	20	29	35	41
Suspension point distance	E	mm	160	181	218	269	319
Weight approx.		kg	0,6	1,1	2	4	6,8
Reference no.			217250	217251	217252	217253	217254

- ▶ **Quality grade: 10**
- ▶ **WLL: 2,5 t to 6,7 t**

Technical data

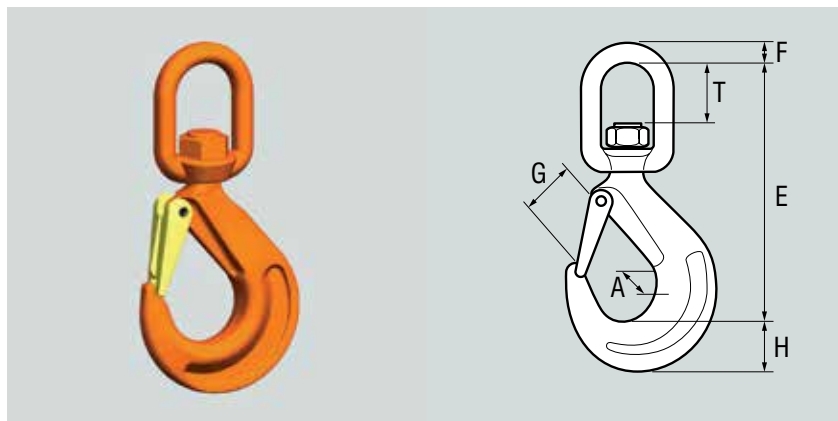
- ▶ **Operating temperature:**
 - 40 °C to +200 °C = 100 % working load limit;
 - +200 °C to +300 °C = 90 % working load limit;
 - +300 °C to +380 °C = 60 % working load limit
- ▶ **Standard:** on the basis of DIN EN 1677
- ▶ **Safety factor:** 4
- ▶ **Identification mark:** Batch number
- ▶ **Surface:** powder-coated
- ▶ **Certification:** H-stamp
- ▶ **Colour:** orange
- ▶ **Type:** Standard

HIT WSBW swivel hook

Suitable for rotation under load.

As end hook for quick and easy connection of the chain sling to the load or load-lifting attachments.

With forged safety latch according to standard.



WLL		kg	2500	4000	6700
for nominal size of chain		mm	8	10	13
Ring cross-sectional diameter	F	mm	12	16	20
Clear height	T	mm	37	41	47
Hook opening width	G	mm	26	30	38
Hook base height	H	mm	28	33	40
Hook thickness	A	mm	19	25	30
Suspension point distance	E	mm	154	183	221
Weight approx.		kg	0,85	1,56	2,71
Reference no.			258874	258875	258876

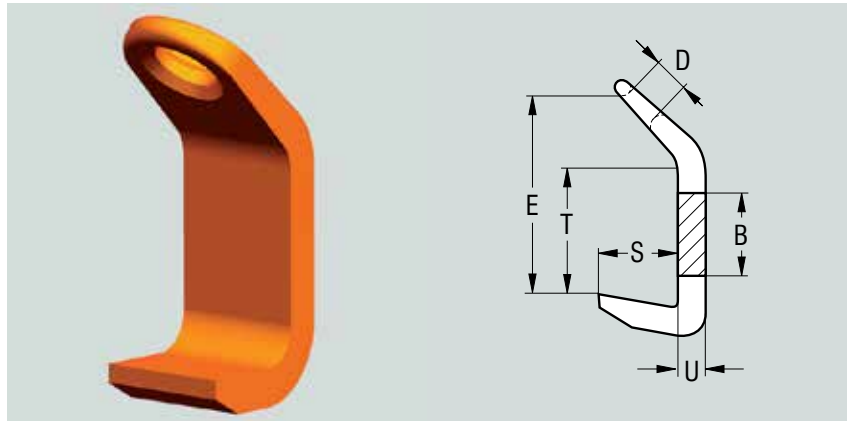
- ▶ **Quality grade: 10**
- ▶ **WLL: 2,5 t to 19 t**

Technical data

- ▶ **Operating temperature:**
 -40 °C to +200 °C = 100 % working load limit;
 +200 °C to +300 °C = 90 % working load limit;
 +300 °C to +380 °C = 60 % working load limit
- ▶ **Standard:** on the basis of DIN EN 1677
- ▶ **Safety factor:** 4
- ▶ **Identification mark:** Batch number
- ▶ **Surface:** powder-coated
- ▶ **Certification:** H-stamp
- ▶ **Colour:** orange

HIT BWB plate hook

Special hook for lifting sheet stacks and plates.
 For 3- or 4-leg suspension gear, angle of inclination between 15° – 30° and working load limit as per 2-leg suspension gear – otherwise overload!



WLL		kg	2500	4000	6700	10000	14000	19000
for nominal size of chain		mm	8	10	13	16	19	22
Contact surface width	S	mm	55	65	90	110	130	150
Clear height	T	mm	80	100	130	160	185	220
Structural element width	B	mm	50	70	80	100	120	140
Body thickness	U	mm	18	20	26	33	40	50
Diameter Eye	D	mm	28	32	40	50	60	75
Suspension point distance	E	mm	131	170	209	263	306	368
Weight approx.		kg	1,5	2,8	5,3	10,5	17,5	30,5
Reference no.			178607	178608	178609	178610	178611	178612

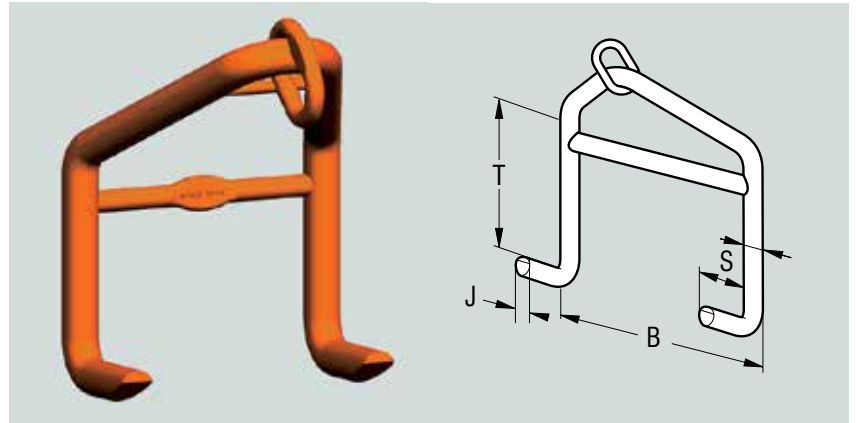
- ▶ **Quality grade: 10**
- ▶ **WLL: 1,4 t to 4 t**

Technical data

- ▶ **Operating temperature:**
 - 40 °C to +200 °C = 100 % working load limit;
 - +200 °C to +300 °C = 90 % working load limit;
 - +300 °C to +380 °C = 60 % working load limit
- ▶ **Standard:** on the basis of DIN EN 1677
- ▶ **Safety factor:** 4
- ▶ **Identification mark:** Batch number
- ▶ **Surface:** powder-coated
- ▶ **Certification:** H-stamp
- ▶ **Colour:** orange

HIT GHW/GH fork hook

Special hook for lifting large sheet stacks and plates.
For symmetrical use in pairs with an angle of inclination from 30°–45°.



WLL		kg	1400	2500	4000
for nominal size of chain		mm	6	8	10
Contact surface width	S	mm	65	100	130
Clear height	T	mm	100	150	200
Structural element width	B	mm	203	300	402
Fork tines width	J	mm	23	30	40
Weight approx.		kg	2,8	6,5	16,1
Reference no.			178613	178614	178615

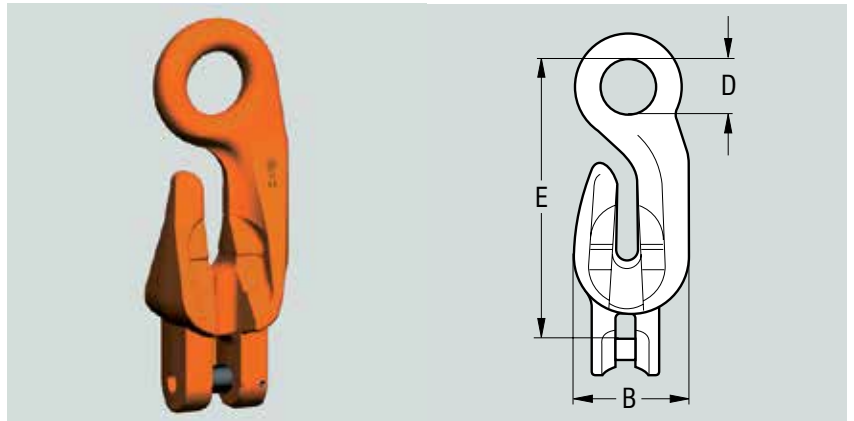
- ▶ **Quality grade: 10**
- ▶ **WLL: 1,4 t to 10 t**

Technical data

- ▶ **Operating temperature:**
 -40 °C to +200 °C = 100 % working load limit;
 +200 °C to +300 °C = 90 % working load limit;
 +300 °C to +380 °C = 60 % working load limit
- ▶ **Standard:** on the basis of DIN EN 1677
- ▶ **Safety factor:** 4
- ▶ **Identification mark:** Batch number
- ▶ **Surface:** powder-coated
- ▶ **Certification:** H-stamp
- ▶ **Colour:** orange

HIT XKW coupling shortening fix hook

Shortening hook with eye connector for easy, secure shortening of chain slings.
 The shortener enables horizontal alignment of the load in multi-leg attachment even with difficult transport procedures as well as suitable adjustment of the load for assemblies.



WLL		kg	1400	2500	4000	6700	10000
for nominal size of chain		mm	6	8	10	13	16
Structural element width	B	mm	37	54	69,5	92	102
Diameter Eye	D	mm	18	24	31	37	48
Suspension point distance	E	mm	84	122	160	203	234
Weight approx.		kg	0,3	0,63	1,25	2,7	4,8
Reference no.			160950	160951	160952	160953	160954

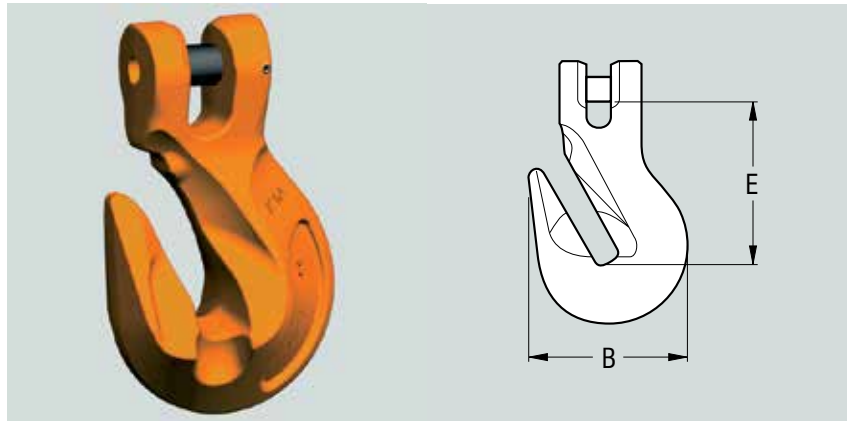
- ▶ **Quality grade: 10**
- ▶ **WLL: 1,4 t to 19 t**

Technical data

- ▶ **Operating temperature:**
 - 40 °C to +200 °C = 100 % working load limit;
 - +200 °C to +300 °C = 90 % working load limit;
 - +300 °C to +380 °C = 60 % working load limit
- ▶ **Standard:** on the basis of DIN EN 1677
- ▶ **Safety factor:** 4
- ▶ **Identification mark:** Batch number
- ▶ **Surface:** powder-coated
- ▶ **Certification:** H-stamp
- ▶ **Colour:** orange

HIT KPW coupling parallel hook

Shortening hook direct connection for easy, secure shortening of chain slings and for loops which should not tighten. The shortener enables horizontal alignment of the load in multi-leg attachment even with difficult transport procedures as well as suitable adjustment of the load for assemblies.



WLL		kg	1400	2500	4000	6700	10000	14000	19000
for nominal size of chain		mm	6	8	10	13	16	19	22
Structural element width	B	mm	44	57	71	92	113	147,4	172,5
Suspension point distance	E	mm	47	63	78	93	115	141	158
Weight approx.		kg	0,17	0,44	0,85	1,75	3,3	6,15	9
Reference no.			178600	178601	178602	178603	178604	178605	178606

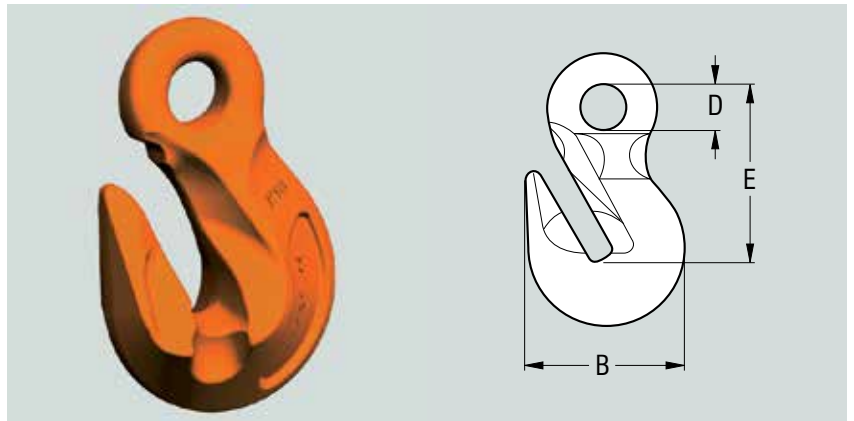
- ▶ **Quality grade: 10**
- ▶ **WLL: 1,4 t to 40 t**

Technical data

- ▶ **Operating temperature:**
 -40 °C to +200 °C = 100 % working load limit;
 +200 °C to +300 °C = 90 % working load limit;
 +300 °C to +380 °C = 60 % working load limit
- ▶ **Standard:** on the basis of DIN EN 1677
- ▶ **Safety factor:** 4
- ▶ **Identification mark:** Batch number
- ▶ **Surface:** powder-coated
- ▶ **Certification:** H-stamp
- ▶ **Colour:** orange

HIT PW parallel eye hook

Shortening hook with eye connector for easy, secure shortening of chain slings and for loops which should not tighten. The shortener enables horizontal alignment of the load in multi-leg attachment even with difficult transport procedures as well as suitable adjustment of the load for assemblies.



WLL		kg	1400	2500	4000	6700	10000	14000	19000	26500	40000
for nominal size of chain		mm	6	8	10	13	16	19	22	26	32
Structural element width	B	mm	44	57	71	92	113	140	166	195	242
Diameter Eye	D	mm	12	16	20	26	32	36	42	55	60
Suspension point distance	E	mm	50	65	77	101	121	141	173	201	243
Weight approx.		kg	0,15	0,37	0,7	1,56	2,9	6,15	8,3	13,8	25
Reference no.			178576	178577	178578	178579	178580	178581	178582	215092	246759

- ▶ with safety latch
- ▶ Quality grade: 10
- ▶ WLL: 2,5 t to 10 t

Technical data

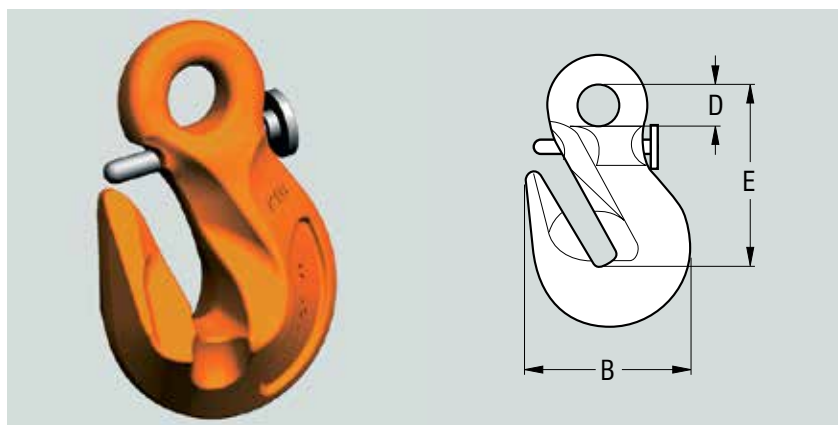
- ▶ **Operating temperature:**
 - 40 °C to +200 °C = 100 % working load limit;
 - +200 °C to +300 °C = 90 % working load limit;
 - +300 °C to +380 °C = 60 % working load limit
- ▶ **Standard:** on the basis of DIN EN 1677
- ▶ **Safety factor:** 4
- ▶ **Identification mark:** Batch number
- ▶ **Surface:** powder-coated
- ▶ **Certification:** H-stamp
- ▶ **Colour:** orange

HIT PSW parallel eye hook

Shortening hook with eye connector for easy, particularly secure shortening of chain slings and for loops which should not tighten. The safety latch protects against unintended unhooking of the chain.

The shortener enables horizontal alignment of the load in multi-leg attachment even with difficult transport procedures as well as suitable adjustment of the load for assemblies.

Can be used for load securing.



WLL		kg	2500	4000	6700	10000
for nominal size of chain		mm	8	10	13	16
Structural element width	B	mm	57	71	92	113
Diameter Eye	D	mm	16	20	26	32
Suspension point distance	E	mm	65	77	101	121
Weight approx.		kg	0,37	0,75	1,56	2,9
Reference no.			178583	178584	178585	211784

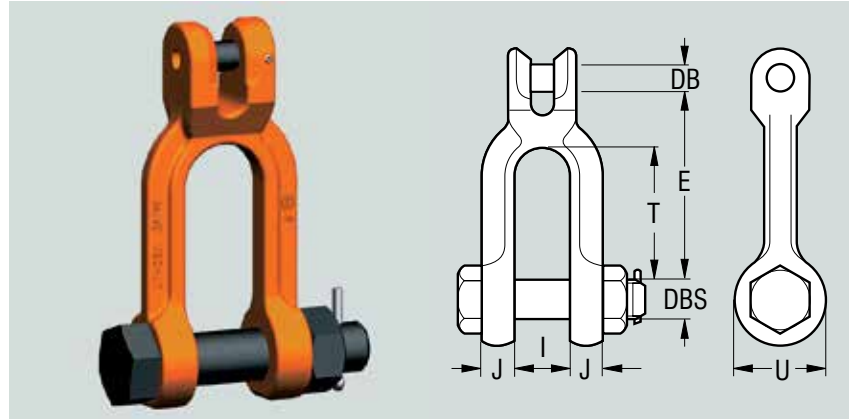
- ▶ **Quality grade: 10**
- ▶ **WLL: 2,5 t to 6,7 t**

Technical data

- ▶ **Operating temperature:**
 -40 °C to +200 °C = 100 % working load limit;
 +200 °C to +300 °C = 90 % working load limit;
 +300 °C to +380 °C = 60 % working load limit
- ▶ **Standard:** on the basis of DIN EN 1677
- ▶ **Safety factor:** 4
- ▶ **Identification mark:** Batch number
- ▶ **Certification:** H-stamp
- ▶ **Colour:** orange
- ▶ **Type:** standard

HIT KSCHW coupling shackle

Coupling shackle for direct connection of the chain by means of coupling connection.



for nominal size of chain		mm	8	10	13
WLL		kg	2500	4000	6700
Clear height	T	mm	54	76	77
Diameter stud bolts	DBS	mm	16	20	24
Suspension point distance	E	mm	76	105	113
Diameter bolt	DB	mm	10	12,5	16
Weight approx.		kg	0,5	1	1,9
Reference no.			365353	365354	365355

- ▶ **Quality grade: 10**
- ▶ **WLL: 2,5 t to 10 t**

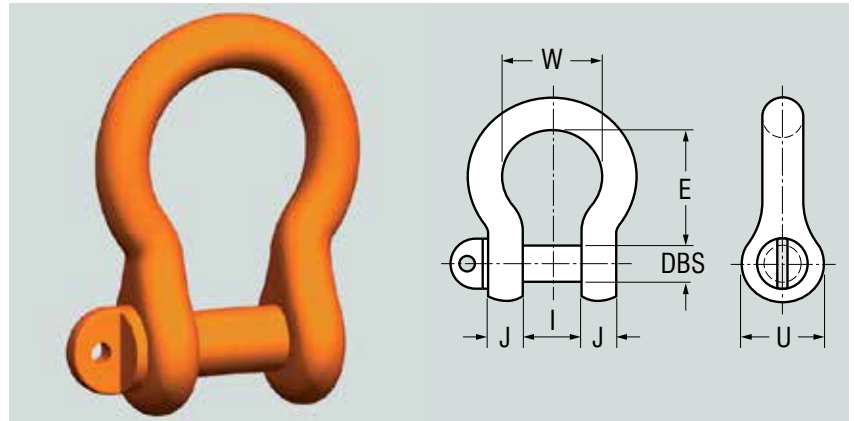
Technical data

- ▶ **Operating temperature:**
 - 40 °C to +200 °C = 100 % working load limit;
 - +200 °C to +300 °C = 90 % working load limit;
 - +300 °C to +380 °C = 60 % working load limit
- ▶ **Standard:** on the basis of DIN EN 1677
- ▶ **Safety factor:** 4
- ▶ **Identification mark:** Batch number
- ▶ **Surface:** powder-coated
- ▶ **Certification:** H-stamp
- ▶ **Colour:** orange

HIT universal shackle

Curved universal shackle for easy connection of, for example clamps or grippers, ideal for multiple use.

The narrow bolt is ideal for easy attachment of small eyes and clamps.



WLL	kg	2500	4000	6700	10000
Weight approx.	kg	0,35	0,64	1,03	2,23
Reference no.		254405	254408	254411	254412

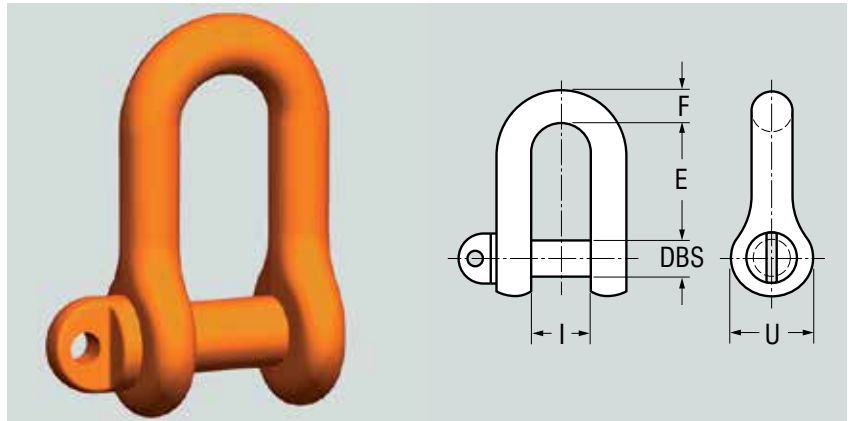
- ▶ **Quality grade: 10**
- ▶ **WLL: 1 t to 10 t**

Technical data

- ▶ **Operating temperature:**
 -40 °C to +200 °C = 100 % working load limit;
 +200 °C to +300 °C = 90 % working load limit;
 +300 °C to +380 °C = 60 % working load limit
- ▶ **Standard:** on the basis of DIN EN 1677
- ▶ **Safety factor:** 4
- ▶ **Identification mark:** Batch number
- ▶ **Surface:** powder-coated
- ▶ **Certification:** H-stamp
- ▶ **Colour:** orange

HIT universal shackle

Straight universal shackle for simple connection of, for example, clamps or grippers, ideal for single use. The narrow bolt is ideal for easy attachment of small eyes and clamps.



WLL	kg	1000	1400	2500	4000	6700	10000
Weight approx.	kg	0,05	0,09	0,2	0,3	0,7	1,3
Reference no.		255466	255467	255468	255469	255470	255471

- ▶ For double crane hooks
- ▶ Quality grade: 10
- ▶ WLL: 4 t to 40 t

Technical data

- ▶ **Operating temperature:**
 -40 °C to +200 °C = 100 % working load limit;
 +200 °C to +300 °C = 90 % working load limit;
 +300 °C to +380 °C = 60 % working load limit
- ▶ **Standard:** on the basis of DIN EN 1677
- ▶ **Safety factor:** 4
- ▶ **Identification mark:** Batch number
- ▶ **Surface:** powder-coated
- ▶ **Certification:** H-stamp
- ▶ **Colour:** orange

HIT UGG/D transition/ reduction suspension gear

Transition suspension gear with extra-large suspension links and HIT KHSW coupling standard load hook with small dimensions for double crane hooks in accordance with DIN 15402, for hooking small chain suspension gears which do not fit the double hooks.



WLL		kg	4000	6700	10000	16000	19000	26500	36000	26500	40000
Double crane hook up to no. (DIN 15402)			50	50	50	50	50	50	50	100	100
Ring cross-sectional diameter	F	mm	33	33	33	33	45	45	45	60	60
Clear height	T	mm	500	500	500	500	500	500	500	800	800
Clearance	W	mm	250	250	250	250	250	250	250	320	320
Hook opening width	G	mm	31	39	45	53	62	73	87	73	87
Suspension point distance	E	mm	994	1027	1046	1080	1265	1299	1355	1599	1655
Weight approx.		kg	27,4	28,5	29,8	33,1	66,9	72,3	97,3	132,7	151,3
Reference no.			259661	259662	259663	259664	259665	259666	259667	259668	259669

On enquiry we also manufacture the most diverse reduction suspension gears of the wire rope sling type.

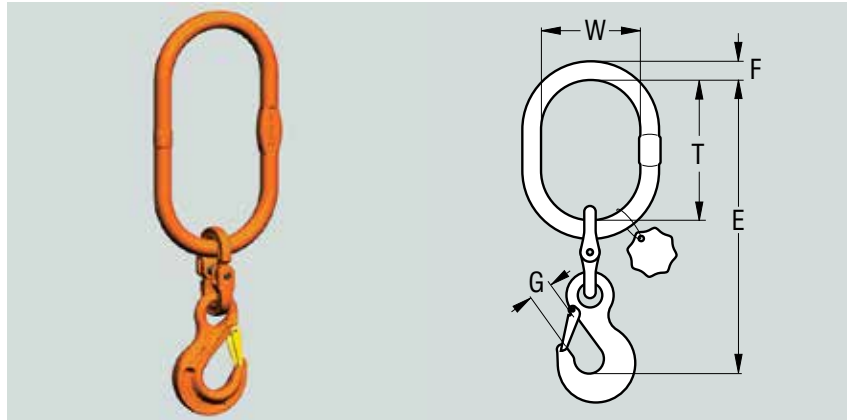
- ▶ For single crane hooks
- ▶ Quality grade: 10
- ▶ WLL: 4 t to 40 t

Technical data

- ▶ **Operating temperature:**
 -40 °C to +200 °C = 100 % working load limit;
 +200 °C to +300 °C = 90 % working load limit;
 +300 °C to +380 °C = 60 % working load limit
- ▶ **Standard:** on the basis of DIN EN 1677
- ▶ **Safety factor:** 4
- ▶ **Identification mark:** Batch number
- ▶ **Surface:** powder-coated
- ▶ **Certification:** H-stamp
- ▶ **Colour:** orange

HIT UGG/E transition/ reduction suspension gear

Transition suspension gear with extra-large suspension links and HIT KHSW coupling standard load hook with small dimensions for double crane hooks in accordance with DIN 15401, for hooking small chain suspension gears which do not fit the single hooks.



WLL		kg	4000	6700	10000	16000	16000	19000	19000	26500	26500	26500	40000	40000
Single crane hook up to no. (DIN 15401)			50	50	50	32	50	32	50	32	50	100	50	100
Ring cross-sectional diameter	F	mm	33	33	33	50	45	50	45	50	50	60	70	60
Clear height	T	mm	500	500	500	350	500	350	500	350	460	800	460	800
Clearance	W	mm	250	250	250	190	250	190	250	190	250	320	250	320
Hook opening width	G	mm	31	39	45	53	53	62	62	73	73	73	87	87
Suspension point distance	E	mm	774	767	826	745	866	765	886	799	909	1249	965	1305
Weight approx.		kg	11,8	13,24	14,2	29,1	27,8	31,3	30	36,7	41,1	68,1	83,7	86,7
Reference no.			259649	259650	259651	259652	259655	259653	259656	259654	259657	259659	259658	259660

On enquiry we also manufacture the most diverse reduction suspension gears of the wire rope sling type.



HIT quality grade 10 symbol

Marking conforming to DIN EN 818 for chain slings from 6–32 mm. 10-sided tag stands for quality grade 10.

Specification of the number of legs, length, nominal chain thickness and working load limit in tonnes at an inclination angle of 0°–45°, 45°–60° and 0°.

Type		PFEIFER	neutral
Weight approx.	kg	0,06	0,06
Reference no.		280686	276863

Pfeifer type is not available as a spare part except in connection with chain slings purchased from and assembled at Pfeifer.

► Quality grade: 10



HIT KBSW connecting pin

Spare part including locking pin for coupling connection of HIT KHSW/KAGW/VXKW.

for nominal size of chain		mm	6	8	10	13	16	19	22
Diameter bolt	DB	mm	7,4	10	12,5	16	20	24	27
Bolt length	LB	mm	16,5	23	29,5	37	52	73	71
Locking pin thickness	D ₁	mm	2,5	3	3,5	4	4,5	5	5
Locking pin length	L ₁	mm	16	22	28	36	40	50	55
Weight approx.		kg	0,006	0,01	0,03	0,06	0,12	0,2	0,32
Reference no.			120494	120495	120496	120497	120498	120499	120500

Connecting bolt for KLHW on request.



Test tags

Neutral tag for marking the product with the next due accident prevention test.

Type		PFEIFER	neutral
Weight approx.	kg	0,05	0,06
Reference no.		119781	137906

Pfeifer type is not available as a spare part except in connection with chain slings purchased from and assembled at Pfeifer.



HIT spare safety latch, set – KHSW/HSW

Spare safety latch for KHSW coupling load hook and HSW eye load hook comprising of forged safety latch, spiral pin and spring. For simple replacement in the case of damage or wear.

for nominal size of chain	mm	6	8	10	13	16	19	22	26	32
Weight approx.	kg	0,05	0,05	0,08	0,14	0,2	0,24	0,3	0,32	0,32
Reference no.		119764	119765	119766	119767	135912	171731	171732	219376	181040

Nominal thickness 26 mm: forged safety latch is also suitable as replacement for steel safety latch
 Nominal thickness 32 mm: please indicate if steel safety latch required



HIT spare safety latch, set – KLHW/LHW

Spare safety latch for KLHW coupling safety load hook and LHW safety load hook comprising of forged safety latch, spiral pin and spring. For simple replacement in the case of damage or wear.

for nominal size of chain	mm	6	8	10	13	16	19
Weight approx.	kg	0,03	0,04	0,044	0,06	0,1	0,26
Reference no.		160958	160959	160960	160961	160962	219378



Mounting ring for quality tags and quality inspection tags

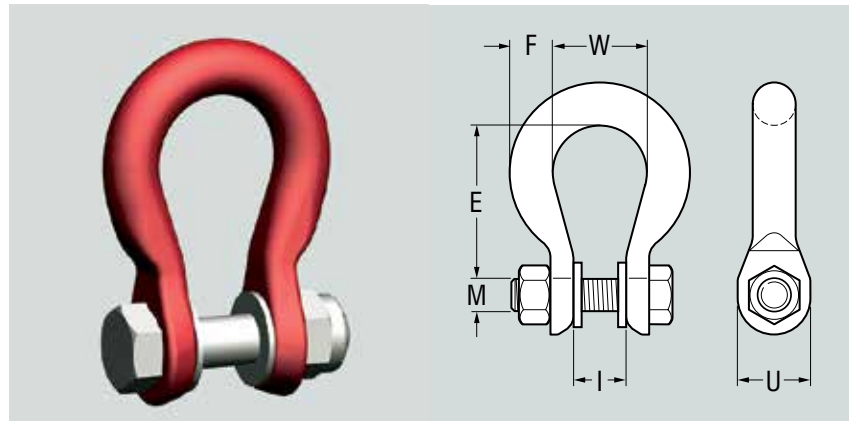
Ring for fastening of quality grade symbols and test tags to chain slings.

Weight approx.	kg	0,08
Reference no.		136896

- ▶ Quality grade: 8
- ▶ WLL: 1,12 t to 21,2 t

Unilock U transition link

Simple and quick direct connection.



WLL		kg	1120	1500	2000	3150	5300	8000	12500	21200
for nominal size of chain single-leg		mm	6	7	8	10	13	16	19	26
Ring cross-sectional diameter	F	mm	9,3	13	13	16	18	23	26	33
Clearance	W	mm	21	28	28	35	39	47	56	77
Body thickness	U	mm	16	22	22	26,5	34	44	52	66
Thread diameter metric	M		M 7	M 8	M 10	M 12	M 16	M 20	M 24	M 30
Distance eye	I	mm	11	16	16	20	24	32	36	49
Suspension point distance	E	mm	33	49	48	60	72	80	96	121
Weight approx.		kg	0,07	0,2	0,22	0,38	0,67	1,21	1,97	4,06
Reference no.			112768	226634	112769	112770	112771	112772	112773	112774

- ▶ **Quality grade:** 8
- ▶ **WLL:** 21,2 t to 31,5 t

Technical data

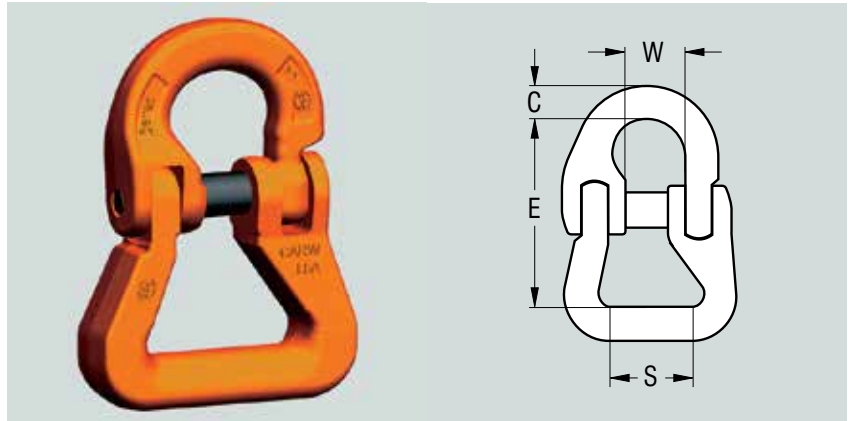
- ▶ **Operating temperature:** -40 °C to +200 °C;
reduced working load limit outside this range
- ▶ **Standard:** on the basis of DIN EN 1677
- ▶ **Safety factor:** 4
- ▶ **Identification mark:** Batch number
- ▶ **Surface:** powder-coated
- ▶ **Certification:** H-stamp

CAR textile coupling

Especially for the connection of textile attachment devices, from 21.2 t to 31.5 t.

Suitable for the connection of round slings or lifting straps, for example, to load hooks or suspension rings.

Due to the wide contact radius of the textile coupling, the working load limit of the textile attachment device is retained.



WLL		kg	21200	31500
for nominal size of chain		mm	26	32
Contact surface width	S	mm	150	146
Clearance	W	mm	58	64,3
Bracket height	C	mm	29	38,1
Suspension point distance	E	mm	210	196
Weight approx.		kg	11,1	21
Reference no.			135929	254493

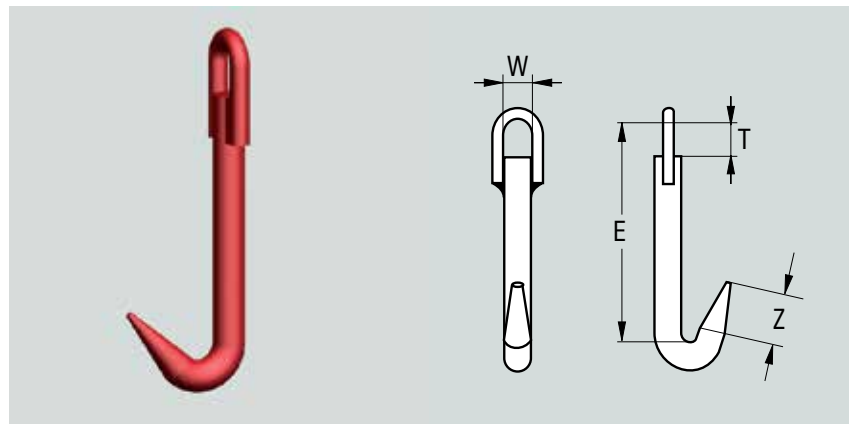
- ▶ **Quality grade:** 8
- ▶ **WLL:** 2 t to 3,15 t

Technical data

- ▶ **Operating temperature:** -40 °C to +200 °C;
reduced working load limit outside this range
- ▶ **Identification mark:** Batch number
- ▶ **Surface:** powder-coated
- ▶ **Colour:** red

BM reinforcement steel mesh hook

Hook specially designed for the transport of reinforcement steel meshes with a thickness of max. 50 mm and apertures of 30 mm x 60 mm.



WLL		kg	2000	3150
for nominal size of chain		mm	8	10
Clear height	T	mm	30	39
Clearance	W	mm	19	27
Fork tine thickness	Z	mm	50	65
Suspension point distance	E	mm	200	260
Weight approx.		kg	0,7	1,5
Reference no.			119620	254493

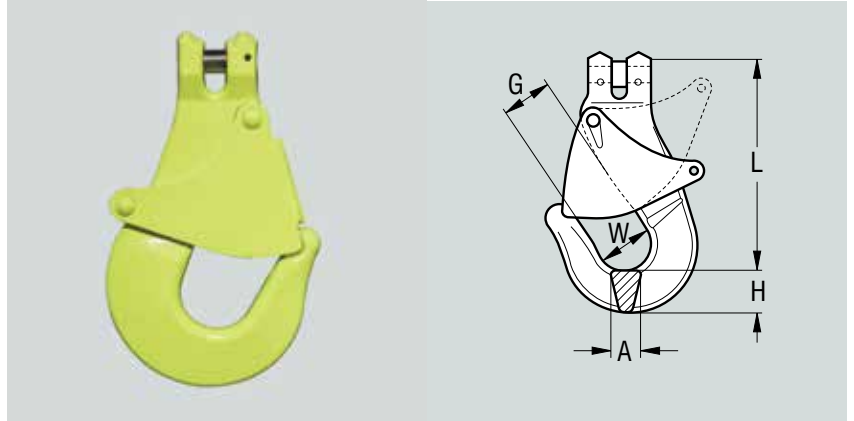
- ▶ **Quality grade: 10**
- ▶ **WLL: 6,8 t**

Technical data

- ▶ **Operating temperature:** -40 °C to +200 °C;
 reduced working load limit outside this range
- ▶ **Identification mark:** Batch number
- ▶ **Surface:** powder-coated
- ▶ **Colour:** red

GKC hook for skips

Safety load hook, suitable for all standard containers.
 Closes and locks automatically upon raising the load.



WLL		kg	6800
for nominal size of chain		mm	13
Overall length	L	mm	200
Clearance	W	mm	54
Hook opening width	G	mm	52
Hook base height	H	mm	42
Hook thickness	A	mm	27
Weight approx.		kg	3
Reference no.	119874		

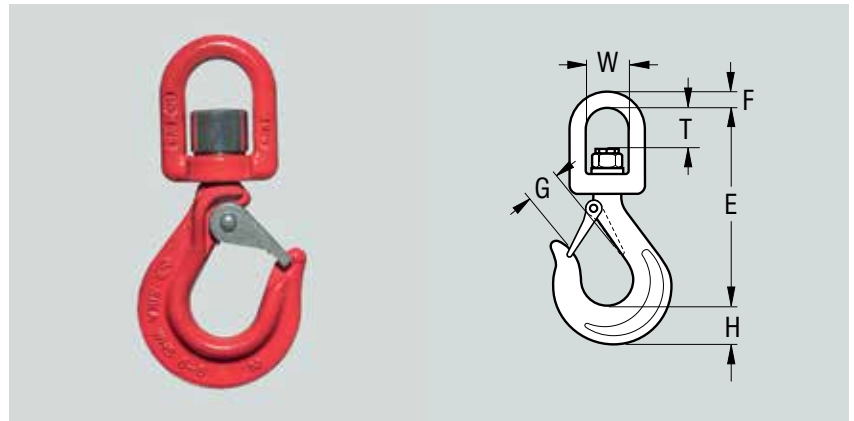
- ▶ **Quality grade: 8**
- ▶ **WLL: 1,12 t to 5,3 t**

Technical data

- ▶ **Operating temperature:** -40 °C to +200 °C;
reduced working load limit outside this range
- ▶ **Identification mark:** Batch number
- ▶ **Surface:** powder-coated
- ▶ **Colour:** red

WHS swivel eye hook

Thimble suitable for rotation under load.

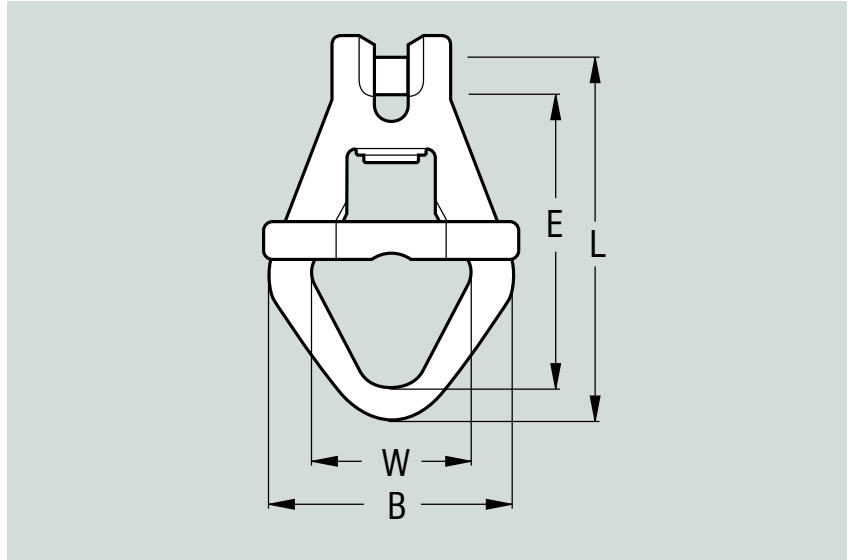


WLL		kg	1120	2000	3150	5300
for nominal size of chain		mm	6	8	10	13
Ring cross-sectional diameter	F	mm	13	16	18	24
Clear height	T	mm	25	31	33	55
Clearance	W	mm	34	38	42	64
Hook opening width	G	mm	19	28	33	44
Hook base height	H	mm	27	32	42	48
Suspension point distance	E	mm	137	178	200	281
Weight approx.		kg	0,82	1,4	2,5	5,5
Reference no.			119611	119612	119614	119615

- ▶ **Quality grade: 8**
- ▶ **WLL: 5,3 t**

RAK rhombic link

Rhombic link with standardised skip pins for secure handling of skips.

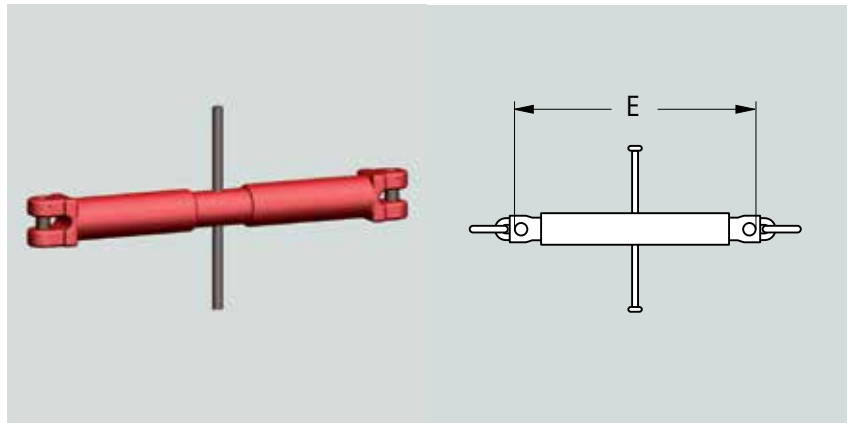


WLL		kg	5300
for nominal size of chain		mm	13
Overall length	L	mm	194
Clearance	W	mm	72
Structural element width	B	mm	128
Suspension point distance	E	mm	145
Weight approx.		kg	2,23
Reference no.	135927		

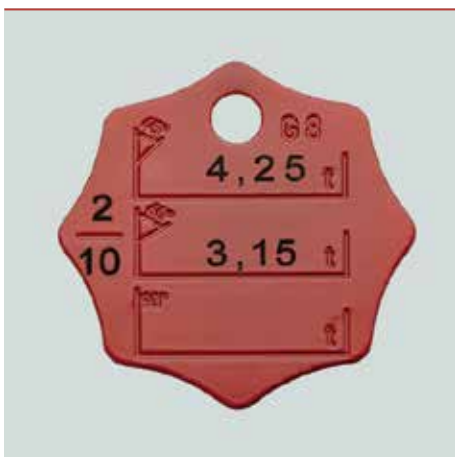
KSS chain coupling turnbuckle

Designed for fine adjustment of the payload in chain suspension gear.

The coupling turnbuckle is permitted only in connection with a safety chain.



for nominal size of chain	mm	8	10	13	16
Weight approx.	kg	3,2	3,9	6,5	10
Reference no.		119698	119699	119700	165339



Quality grade 8 symbol

Identification for chain slings.

8-sided tag stands for quality grade 8.

Specification of the number of legs, length, nominal chain thickness and working load limit in tonnes at an inclination angle of 0°–45°, 45°–60° and 0°.

Type		PFEIFER
Weight approx.	kg	0,08
Reference no.		256201

Type		neutral
Weight approx.	kg	0,08
Reference no.		272753

Pfeifer type is not available as a spare part except in connection with chain slings purchased from and assembled at Pfeifer.



Chain gauge, aluminium

The chain gauge including four calliper gauges and operating instructions is packed in a sturdy storage case (plastic). The 4-dimensional chain gauge can be used to carry out the following statutory tests quickly and easily: Strain measurement, chain in accordance with DIN-EN 818 for chain slings in quality grades 8 and 10 (6–22 mm) and grade 12 (7–13 mm) and measurement of the chain wear in accordance with DIN-EN 818 for manually hoisted chains (4 x 12 mm to 11 x 31 mm) and electrically hoisted chains (3.1 x 9.3 mm to 9 x 27 mm).

Weight approx.	kg	3,93
Reference no.		251190

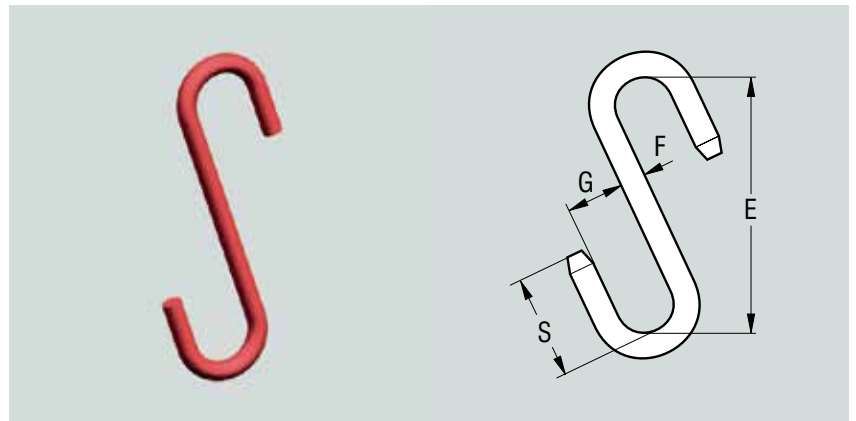
- ▶ open at both ends
- ▶ No safety latch
- ▶ Quality grade: 8
- ▶ WLL: 0,8 t to 15 t

Technical data

- ▶ **Operating temperature:** -40 °C to +200 °C; reduced working load limit outside this range
- ▶ **Identification mark:** Batch number
- ▶ **Surface:** powder-coated
- ▶ **Colour:** red

S-hook

CAUTION: According to German Statutory Accident Insurance regulation 109-017 these hooks should only be used where unintentional unhooking is not possible.



WLL		kg	800	2000	3150	5300	8000	11200	15000
Suspension point distance	E	mm	180	220	280	400	500	550	750
Cross-sectional diameter	F	mm	16	23	32	40	50	60	80
Hook opening width	G	mm	42	53	63	90	120	130	175
Insertion depth	S	mm	59	74	88	126	168	182	245
Weight approx.		kg	0,6	1,5	3,42	8,4	16,5	26	64,5
Reference no.			119664	119665	119666	119667	119668	119669	119670

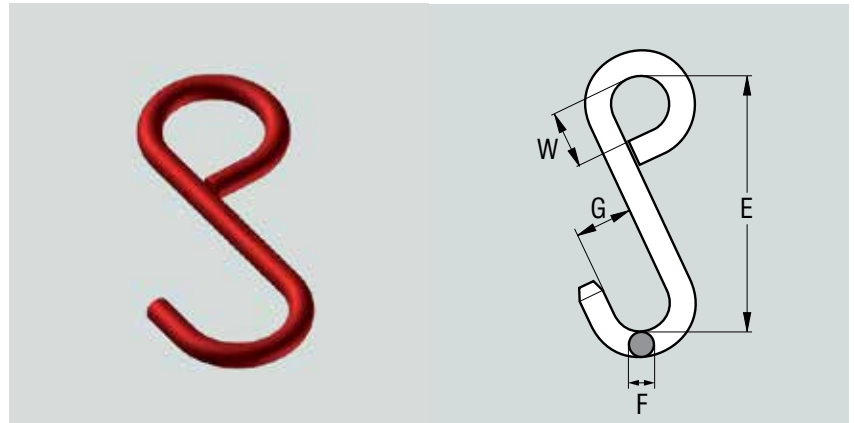
- ▶ Closed at one end
- ▶ No safety latch
- ▶ Quality grade: 8
- ▶ WLL: 0,01 t to 3,2 t

Technical data

- ▶ **Operating temperature:** -40 °C to +200 °C;
reduced working load limit outside this range
- ▶ **Identification mark:** Batch number
- ▶ **Surface:** powder-coated
- ▶ **Colour:** red

S-hook

CAUTION: According to German Statutory Accident Insurance regulation 109-017 these hooks should only be used where unintentional unhooking is not possible.



WLL		kg	100	150	250	350	500	750	1000
Clearance	W	mm	28	28	38	50	63	76	88
Suspension point distance	E	mm	115	115	153	191	229	267	305
Cross-sectional diameter	F	mm	8	10	12	14	16	20	22
Hook opening width	G	mm	28	28	38	50	63	76	88
Weight approx.		kg	0,1	0,1	0,2	0,4	0,7	1,2	1,9
Reference no.			290362	290363	290364	290365	290366	290367	290368

WLL		kg	1300	1500	2000	2400	2800	3200
Clearance	W	mm	101	114	127	139	150	160
Suspension point distance	E	mm	331	381	407	432	460	500
Cross-sectional diameter	F	mm	26	28	32	36	38	40
Hook opening width	G	mm	101	114	127	139	150	160
Weight approx.		kg	2,7	3,9	5,3	7	8,8	10
Reference no.			290369	290370	290371	290372	290373	290374

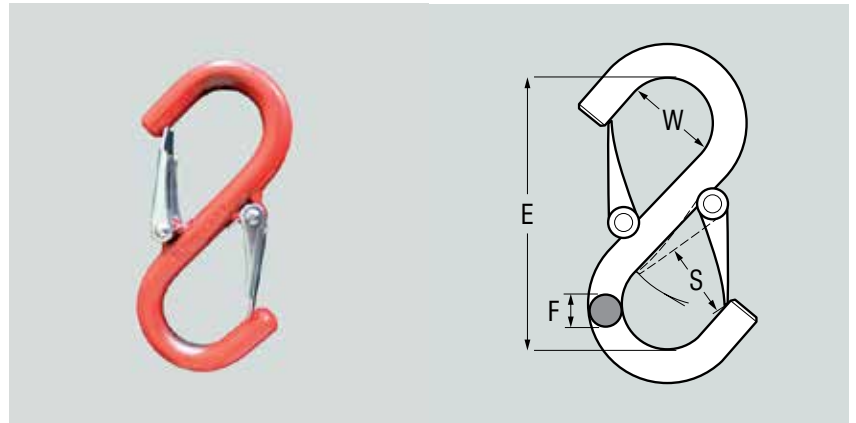
- ▶ open at both ends
- ▶ with safety latch
- ▶ **Quality grade: 8**
- ▶ **WLL: 0,8 t to 5,3 t**

Technical data

- ▶ **Operating temperature:** -40 °C to +200 °C;
reduced working load limit outside this range
- ▶ **Identification mark:** Batch number
- ▶ **Surface:** powder-coated
- ▶ **Colour:** red

S-hook

For rapid and safe slinging under load.
 With safety latch it fulfils all German Statutory Accident Insurance requirements and can therefore be used universally.



WLL		kg	800	2000	3150	5300
Clearance	W	mm	42	53	58	90
Suspension point distance	E	mm	180	220	280	400
Cross-sectional diameter	F	mm	16	23	31	40
Insertion depth	S	mm	58	43	88	126
Weight approx.		kg	0,88	1,6	4,1	8,5
Reference no.			340514	340515	340516	340517

- ▶ with 2 coupling links
- ▶ Quality grade: 8
- ▶ WLL: 2 t to 12,5 t

Technical data

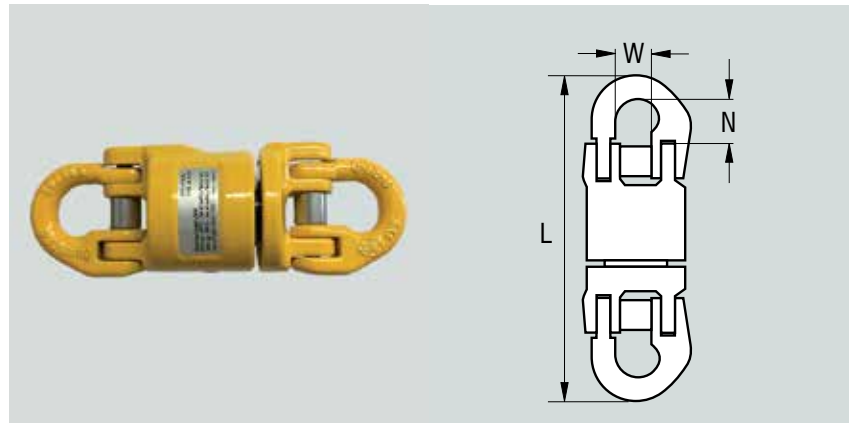
- ▶ Insulating effect: 1000 V

Insulating swivels

Electrically insulated swivel with 2 coupling links for surge protection. Perfect rotation even under load.

Simple connection with chains or ropes.

The thrust roller bearing is dust-protected and watertight, so the swivel can be used without restriction in all areas (including underground and underwater).



for nominal size of chain		mm	8	10	13	16	19
WLL		kg	2000	3150	5300	8000	12500
Overall length	L	mm	129	161	205	236	278
Clearance	W	mm	18	25	29	36	43
Distance suspension point to fork base	N	mm	22	26	33	40	48
Weight approx.		kg	0,8	1,6	3,7	6,1	9
Reference no.			119644	119645	119646	119647	119648

- ▶ with coupling link and load hook
- ▶ Quality grade: 8
- ▶ WLL: 2 t to 12,5 t

Technical data

- ▶ **Insulating effect:** 1000 V

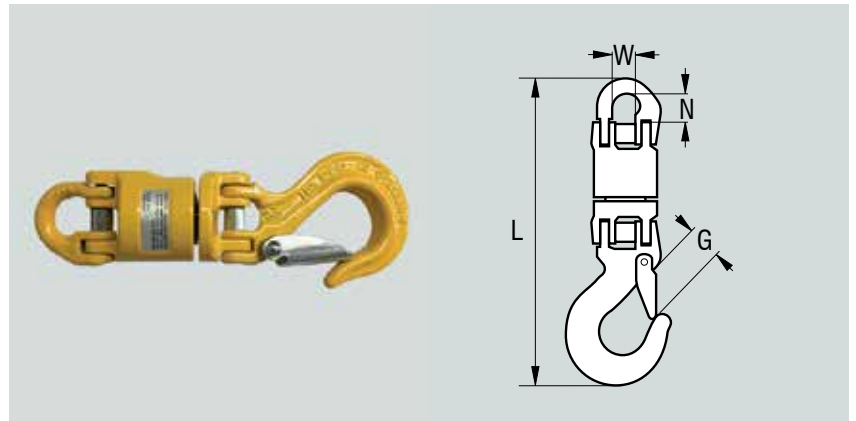
Insulating swivels

Electrically insulated swivel with coupling link and load hook for surge protection.

Completely rotatable even under full load.

Simple connection with chains or ropes.

The thrust roller bearing is dust-protected and watertight, so the swivel can be used without restriction in all areas (including underground and underwater).



for nominal size of chain		mm	8	10	13	16	19
WLL		kg	2000	3150	5300	8000	12500
Overall length	L	mm	149	241	302	350	449
Clearance	W	mm	18	25	29	36	43
Hook opening width	G	mm	27	34	42	49	59
Distance suspension point to fork base	N	mm	22	26	33	40	48
Weight approx.		kg	1,2	2,3	5,2	8,7	13
Reference no.			119649	119650	119651	119652	119653

- ▶ with suspension link and load hook
- ▶ Quality grade: 8
- ▶ WLL: 2 t to 12,5 t

Technical data

- ▶ Insulating effect: 1000 V

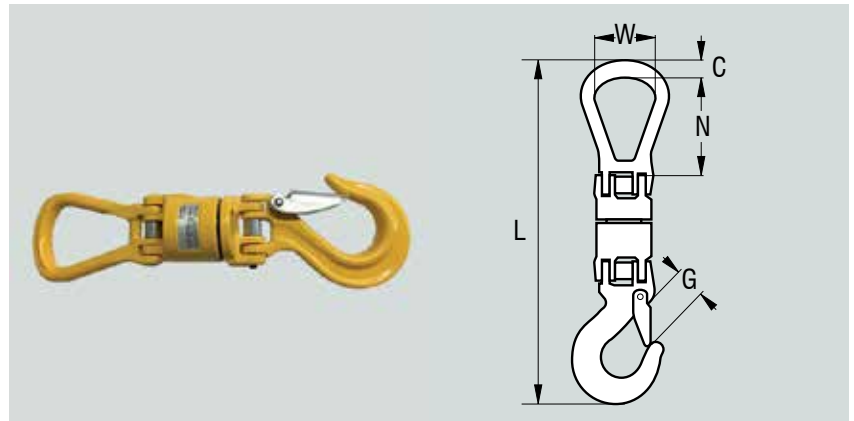
Insulating swivels

Electrically insulated swivel with suspension link and load hook for surge protection.

Perfect rotation even under load.

Simple connection with chains or ropes.

The thrust roller bearing is dust-protected and watertight, so the swivel can be used without restriction in all areas (including underground and underwater).



for nominal size of chain		mm	8	10	13	16	19
WLL		kg	2000	3150	5300	8000	12500
Overall length	L	mm	219	326	403	470	589
Clearance	W	mm	50	66	72	82	105
Hook opening width	G	mm	27	34	42	49	59
Distance suspension point to fork base	N	mm	99	127	145	175	204
Bracket height	C	mm	14	18	22	25	30
Weight approx.		kg	1,4	2,6	5,3	9,2	13,9
Reference no.			119654	119655	119656	119657	119658

Textile attachment devices

Just like chain slings, textile attachment devices establish the connection between the load-carrying device or load lifting attachment and the load. Due to their low weight, they are easy to handle and their soft flexible surface is particularly gentle on the load. With Polytex®, PFEIFER offers a mature assortment that has been continuously improved over the last 35 years. All Polytex® products are suitable for safe attachment according to the Machinery Directive 2006/42/EC, EN 1492 Parts 1+2 and DIN 60005.

Selection aid: Which textile attachment device is the right one for my application?

Question:

For which application is the attachment device needed?

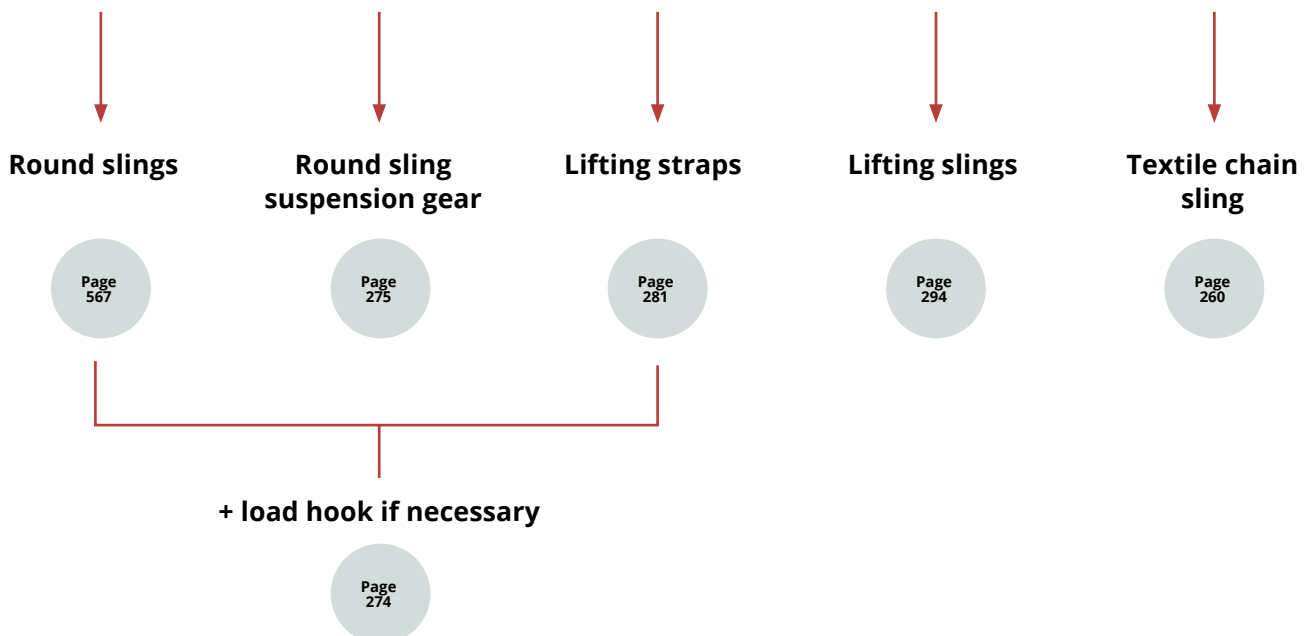
Universal and lightweight attachment devices for every application on suitable holders

Lightweight alternative to the chain sling. To connect from the crane to an attachment point

Wide contact surface on the load; *Distribution of the pressure of the load over a larger area
*Gentler lifting than with a narrow attachment device

Lightweight alternative to grommet, wire rope sling, chain sling. Made of high-strength material (Dyneema)

- Up to 8 times lighter than a comparable steel chain
- Made of several layers of high-strength Dyneema® fibre strap arranged in a Möbius loop, sewn on both sides
- The only textile attachment device that can be shortened easily and individually



The Polytex® advantages:

Practical marking

- Working load limit imprinted and clearly visible
- Identifying colour for each working load limit step up to 10 t!
- Strap and sleeve material with additionally woven-in tonnage strip
- Identification by means of RFID chip is possible on request.

Increased safety

- Guaranteed compliance with EN standards
- Safety instructions sewn in addition to the label
- Marking option for the performed test on the label

High-quality polyester material (PES), recognisable by the blue safety label

- Very light
- Soft and flexible
- Temperature-resistant between -40 °C and +100 °C
- No loss of strength when strap is wet
- Good resistance to mineral acids, UV radiation, solvents

Polytex® quality means: We only use high-quality tested base material. Our qualified employees manufacture in our own sewing department and test breaking forces, safety factors, elongation behaviour and other quality features in our laboratories.

Special solutions: We make it possible!

In our own sewing department, we quickly and reliably manufacture textile attachment devices in special lengths and special versions. Let us advise you!

Examples of custom solutions:



Lifting strap with sewn-on metal stirrup



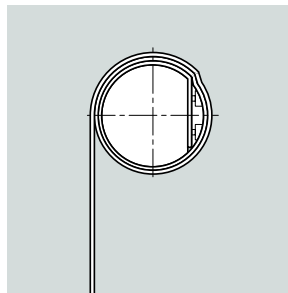
Lashing strap with loop



Special lifting mat with large loop



Special lifting mat with small loop



Further examples:

- Round sling suspension gear with other end components such as oval rings, shackles, special hooks, etc.
- Combined textile/chain suspension gear

- ▶ Expert advice
- ▶ Fast availability, high-quality execution
- ▶ Manufacturing according to DIN/EN standards
- ▶ Testing with our own testing machines

**Any questions?
We'll be glad to advise you**

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Switzerland

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Luxembourg

+ 352-57 42 42

Our tip: Dyneema®

We also supply and manufacture textile attachment devices from Dyneema®;

This high molecular polyethylene (HMPE) is highly abrasion-resistant, minimises damage to sensitive loads and increases safety for employees. Dyneema® is the world's strongest synthetic fibre. It is up to eight times lighter than steel and extremely durable.



The abrasion of HMPE fibres compared to polyester

- ▶ Extremely long service life
- ▶ Low weight
- ▶ High-strength, highly flexible material

Technical properties

- ▶ Resistant to acids, alkalis and other common chemical substances
- ▶ Resistant to aviation fuel, lubricating oil, cleaning agents, de-icing agents, insecticides, fire extinguishing agents
- ▶ Floats
- ▶ Non-conductive
- ▶ Very resistant to abrasion and edges
- ▶ Low operating costs due to fast handling procedures, low weight and soft material
- ▶ Fewer dangers for employees and sensitive loads

Working load limit table

POLYTEX® lifting straps, round slings and round sling suspension gear – EN 1492-1/2 (working load limit in t*)									
Angle of inclination β		up to 6°	up to 45°	45 to 60°	up to 45°	45 to 60°	up to 45°	45 to 60°	
	1	2	1	1 + 2	1 + 2	1 + 2 + 1	1	1 + 2	
Load factor	1	0,8	2	1,4	1	1,12	0,8	2,1	1,5
violet	1,00	0,80	2,00	1,40	1,00	1,12	0,80	2,10	1,50
green	2,00	1,60	4,00	2,80	2,00	2,24	1,60	4,20	3,00
yellow	3,00	2,40	6,00	4,20	3,00	3,36	2,40	6,30	4,50
grey	4,00	3,20	8,00	5,60	4,00	4,48	3,20	8,40	6,00
red	5,00	4,00	10,00	7,00	5,00	5,60	4,00	10,50	7,50
brown	6,00	4,80	12,00	8,40	6,00	6,72	4,80	12,60	9,00
blue	8,00	6,40	16,00	11,20	8,00	8,96	6,40	16,80	12,00
orange	10,00	8,00	20,00	14,00	10,00	11,20	8,00	21,00	15,00

*) according to type of rigging and angle of inclination β

The working load limit data (in tonnes) correspond to the use of the attachment devices under normal conditions (symmetrical loading of all legs).

- 1 If the load is distributed asymmetrically:
 - only one leg may be assumed to be bearing the load in the case of 2-leg suspension gear (see single-leg suspension gear)
 - only two load-bearing legs may be counted in the case of 3-/4-leg suspension gear according to German Statutory Accident Insurance regulation DGUV 109-017 (see 2-leg suspension gear). In the case of doubt, however, only 1 leg is to be assumed to be load-bearing!
- 2 When using 2 suspensions devices on one crane hook, the angle of inclination of the attachment devices may not exceed 45°.
- 3 According to DIN-EN, this method of attachment is not permitted with transverse strips (e.g. coated) loop lifting straps.

Further factors that reduce the working load limit such as extreme temperature ranges etc. are to be taken into account according to the respective EN standard.

Attachment device tests

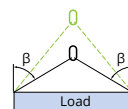
- According to German Statutory Accident Insurance regulation DGUV 109-017, the following must be examined by qualified persons/experts:
 - Attachment devices at intervals of 1 year at the most
 - Chain slings additionally for freedom from cracks at intervals of 3 years at the most, in Switzerland 2 years at the most.
- According to ÖNORM M9611, the following must be examined by an expert:
 - Attachment devices at intervals of 1 year at the most
 - Chain slings additionally for freedom from cracks at intervals of 2 years at the most.

Textile attachment devices must not be used on sharp edges! Attachment only with sufficient edge protection!

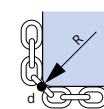
Operating temperature range:

Round slings and lifting straps (PES):
100 % working load limit between -40 °C and +100 °C

Angle of inclination β = angle of leg of an attachment device to the vertical line.



Angles of inclination > 60° are impermissible!



Edges are considered to be sharp if the edge radius R of the load is smaller than the thickness d of the attachment device.

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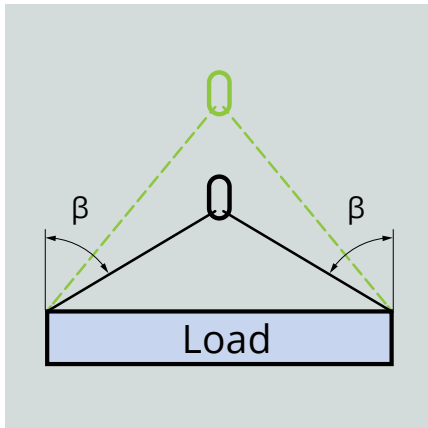
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Notice on safe use

Textile attachment devices may only be used by qualified persons. It is the employer's duty to ensure this. In addition, follow these basic safety rules:

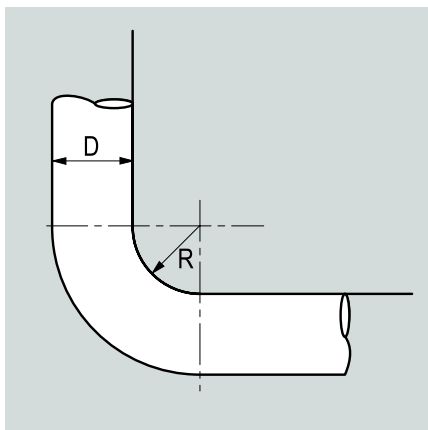
- ▶ **Angles of inclination $> 60^\circ$ are impermissible!**



Angle of inclination β = angle of leg of an attachment device to the vertical line

- ▶ **Do not use textile attachment devices on sharp edges!**

Sharp edges on the material to be lifted are a particular danger to the service life and the accident-free operation with attachment devices. See page 260.

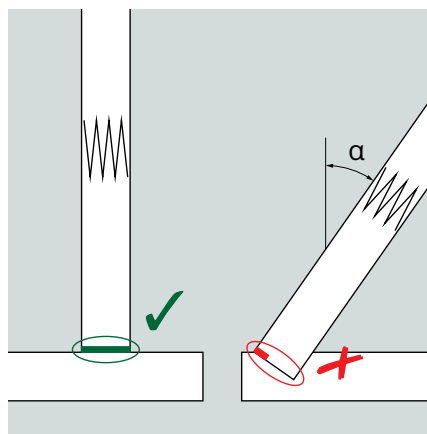


Edges are considered to be sharp if the edge radius R of the load is smaller than the thickness of the lifting strap or round sling

Use the PFEIFER edge protection systems from page 312 onwards.

- ▶ **Even loading is required**

Attach flat-woven lifting straps and round slings to the load in such a way that an even load is achieved over the entire width.



Correct: loading over the entire width;
Wrong: loading over a partial area

- ▶ **Never knot or twist lifting straps or round slings**

- ▶ **Avoid damage to the label**

Keep the label away from the load, hook or hitch.

- ▶ **Observe the position of the seam!**

The seam should always be in the straight part of the lifting strap. Seams should not be located above the hook area or other lifting devices!

- ▶ **Observe the minimum length of the loop**

If a loop lifting strap is attached to a hook, the following applies: Minimum loop length = $3.5 \times$ thickness of the hook. The angle formed with the loop must not be greater than 20° .

Take advantage of our services!

We support you with inspections for the safety and discarding time of your attachment devices.



Services

- ▶ Order scheduling
- ▶ Mobile and stationary Inspection Service
- ▶ Instant repairs
- ▶ Spare parts service
- ▶ Modern data management

Total range:

www.pfeifer.info/mobile-services



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Luxembourg

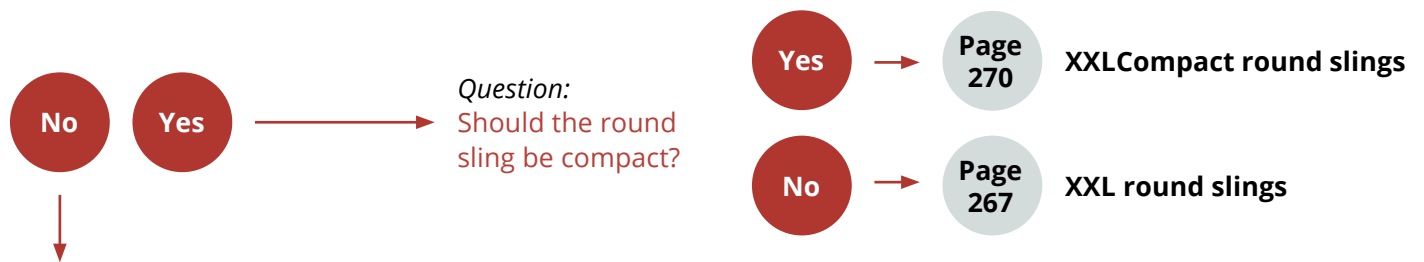
info@pfeifer-sogequip.lu
+352 57 42-42

Selection aid: Which round sling is the right one for my application?

This selection matrix gives an overview of the Polytex® round slings.
Further application advice is offered by the PFEIFER internal and field service.

Question:

Is a particularly high working load limit required?



Question:

Is a moderate to high working load limit required?



Question:

Does the application require a round sling with a particularly robust sleeve?



Question:

Should the round sling be specially protected by a double sheath?



**Eco-Tex
round slings**

- ▶ Extremely durable
- ▶ Integrated wear indicator
- ▶ Operating temperature:
-40 °C to +100 °C
- ▶ Material: High-strength polyester fibres
- ▶ WLL: 1 t to 10 t

Technical data

- ▶ Standard: DIN EN 1492-2
- ▶ Safety factor: 7
- ▶ Identification mark: Imprinted working load limit; Woven-in tonnage stripes

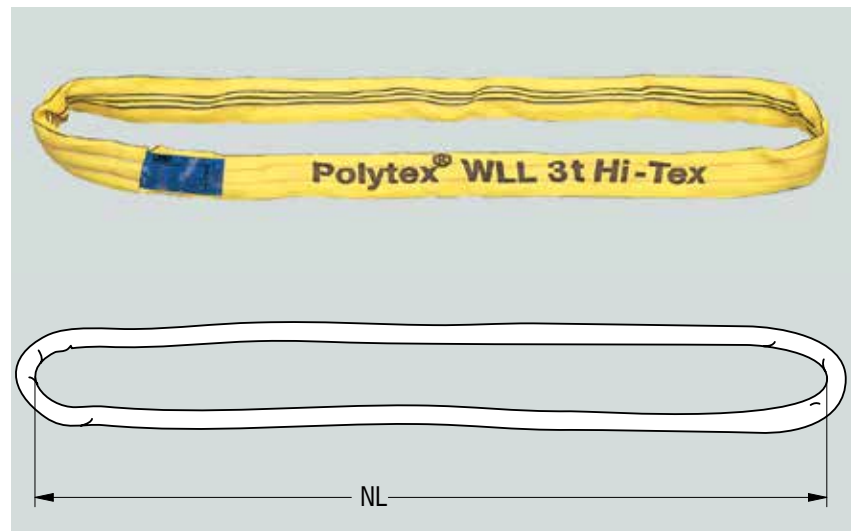
Options on request

- ▶ further useful lengths; further working load limits

Polytex® round sling Hi-Tex

Round sling with premium polyester sleeve in herringbone weave for maximum stresses.




As soon as the woven-in, coloured wear indicator on the surface of the protective sleeve is exposed, it is necessary to intensify monitoring of the damaged zones for the discarding time of the round sling.



You will find suitable edge protection systems from page 312



Reliable recognition of the Discard criteria in case of overload and wear

WLL direct		kg	1000	2000	3000	4000	5000	6000	8000	10000
WLL strapped		kg	800	1600	2400	3200	4000	4800	6400	8000
WLL wrapped around		kg	2000	4000	6000	8000	10000	12000	16000	20000
Contact surface width approx.		mm	40	45	60	65	70	75	95	116
Textile thickness with optimum support surface approx.		mm	4	5	7	7	8	9	11	12
Colour			violet	green	yellow	grey	red	brown	blue	orange
Effective length	NL	m	0,5	-	-	-	-	-	-	-
Reference no.			473572	-	-	-	-	-	-	-
Effective length	NL	m	1	1	1	-	-	-	-	-
Reference no.			473573	473577	473582	-	-	-	-	-
Effective length	NL	m	1,5	1,5	1,5	1,5	-	-	-	-
Reference no.			473574	473578	473583	473587	-	-	-	-
Effective length	NL	m	2	2	2	2	-	-	-	-
Reference no.			473575	473579	473584	473588	-	-	-	-
Effective length	NL	m	3	3	3	3	-	3	-	-
Reference no.			473576	473580	473585	473589	-	485094	-	-
Effective length	NL	m	-	4	4	4	4	4	4	4
Reference no.			-	473581	473586	473590	473591	485095	473592	473594
Effective length	NL	m	-	-	-	-	-	6	6	-
Reference no.			-	-	-	-	-	485096	473593	-
Accessories										
			Standard shackle with stud bolt							
Reference no.			110854	110855	110856	110858	110860	181611	110863	110863
			Standard shackle with nut and cotter pin							
Reference no.			112005	112007	112009	112011	112013	181534	112019	112019

- ▶ **Double protective sleeve**
- ▶ **Operating temperature:**
-40 °C to +100 °C
- ▶ **Material: High-strength polyester fibres**
- ▶ **WLL: 1 t to 10 t**

Technical data

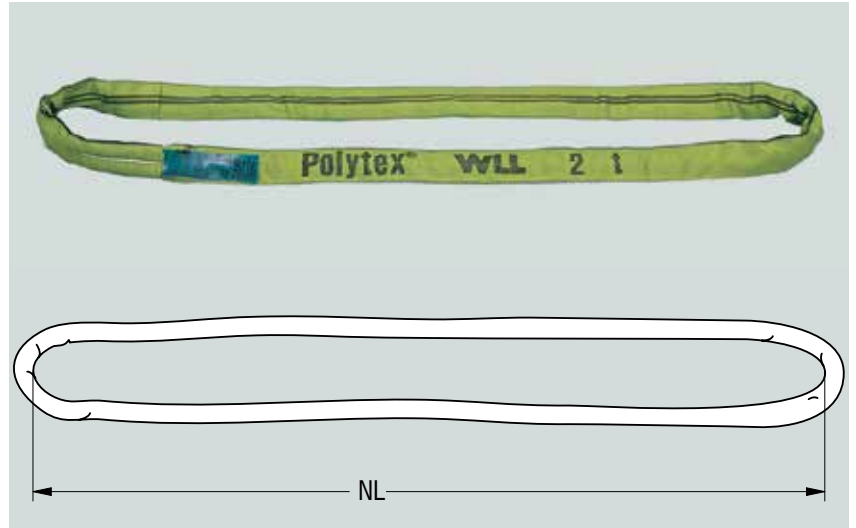
- ▶ **Standard:** DIN EN 1492-2
- ▶ **Safety factor:** 7
- ▶ **Identification mark:** Imprinted working load limit; Woven-in tonnage stripes

Options on request




- ▶ further useful lengths; further working load limits
-

Polytex® round sling DH

Round slings with impregnated, double protective sleeve for long service life.



You will find suitable edge protection systems from page 312

WLL direct		kg	1000	2000	3000	4000	5000	6000	8000	10000
WLL strapped		kg	800	1600	2400	3200	4000	4800	6400	8000
WLL wrapped around		kg	2000	4000	6000	8000	10000	12000	16000	20000
Contact surface width approx.		mm	52	52	65	75	80	85	90	100
Textile thickness with optimum support surface approx.		mm	4	4	8	10	12	13	15	18
Colour			violet	green	yellow	grey	red	brown	blue	orange
Effective length	NL	m	0,5	0,5	0,5	-	-	-	-	-
Reference no.			473595	473602	473610	-	-	-	-	-
Effective length	NL	m	1	1	1	1	1	1	1	1
Reference no.			473596	473603	473611	473619	473627	473633	473639	473647
Effective length	NL	m	1,5	1,5	1,5	1,5	-	-	1,5	-
Reference no.			473597	473604	473612	473620	-	-	473640	-
Effective length	NL	m	2	2	2	2	2	2	2	2
Reference no.			473598	473605	473613	473621	473628	473634	473641	473648
Effective length	NL	m	2,5	2,5	2,5	-	2,5	-	-	-
Reference no.			473599	473606	473614	-	473629	-	-	-
Effective length	NL	m	3	3	3	3	3	3	3	3
Reference no.			473600	473607	473615	473622	473630	473635	473642	473649
Effective length	NL	m	4	4	4	4	4	4	4	4
Reference no.			473601	473608	473616	473623	473631	473636	473643	473650
Effective length	NL	m	-	5	5	5	5	5	5	5
Reference no.			-	473609	473617	473624	473632	473637	473644	473651
Effective length	NL	m	-	-	6	6	-	6	6	6
Reference no.			-	-	473618	473625	-	473638	473645	473652
Effective length	NL	m	-	-	-	8	-	-	8	8
Reference no.			-	-	-	473626	-	-	473646	473653
Effective length	NL	m	-	-	-	-	-	-	-	10
Reference no.			-	-	-	-	-	-	-	473654
Accessories										
			Standard shackle with stud bolt							
Reference no.			110854	110855	110856	110858	110860	110861	110863	110863
			Standard shackle with nut and cotter pin							
Reference no.			112005	112007	112009	112011	112013	112015	112019	112019

- ▶ **Particularly flexible**
- ▶ **Operating temperature:**
-40 °C to +100 °C
- ▶ **Material: High-strength polyester fibres**
- ▶ **WLL: 1 t to 5 t**

Technical data

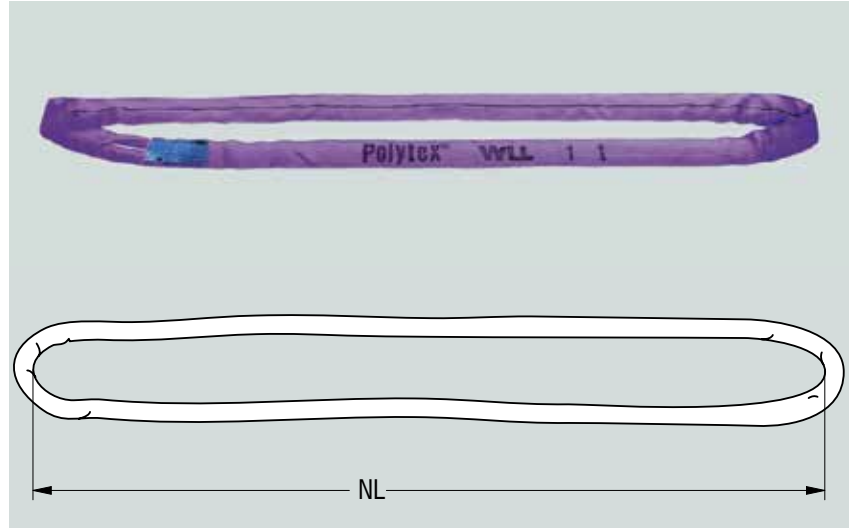
- ▶ **Standard:** DIN EN 1492-2
- ▶ **Safety factor:** 7
- ▶ **Identification mark:** Imprinted working load limit; Woven-in tonnage stripes

Options on request




- ▶ further useful lengths; further working load limits
-

Polytex® round sling Eco-Tex

All-round round sling with single-layer protective sleeve for long service life.



You will find suitable edge protection systems from page 312

WLL direct		kg	1000	2000	3000	4000	5000
WLL strapped		kg	800	1600	2400	3200	4000
WLL wrapped around		kg	2000	4000	6000	8000	10000
Contact surface width approx.		mm	43	50	65	70	70
Textile thickness with optimum support surface approx.		mm	2	5	7	8	13
Colour			violet	green	yellow	grey	red
Effective length	NL	m	0,5	0,5	0,5	0,5	-
Reference no.			473655	473662	473671	473680	-
Effective length	NL	m	1	1	1	1	1
Reference no.			473656	473663	473672	473681	473689
Effective length	NL	m	1,5	1,5	1,5	1,5	1,5
Reference no.			473657	473664	473673	473682	473690
Effective length	NL	m	2	2	2	2	2
Reference no.			473658	473665	473674	473683	473691
Effective length	NL	m	2,5	2,5	2,5	2,5	-
Reference no.			473659	473666	473675	473684	-
Effective length	NL	m	3	3	3	3	3
Reference no.			473660	473667	473676	473685	473692
Effective length	NL	m	4	4	4	4	4
Reference no.			473661	473668	473677	473686	473693
Effective length	NL	m	-	5	5	5	5
Reference no.			-	473669	473678	473687	473694
Effective length	NL	m	-	6	6	6	6
Reference no.			-	473670	473679	473688	473695
Accessories							
			Standard shackle with stud bolt				
Reference no.			110854	110855	110856	110858	110860
			Standard shackle with nut and cotter pin				
Reference no.			112005	112007	112009	112011	112013

- ▶ Flexible and strong
- ▶ Operating temperature:
-40 °C to +100 °C
- ▶ Material: High-strength polyester fibres
- ▶ WLL: 10 t to 25 t

Technical data

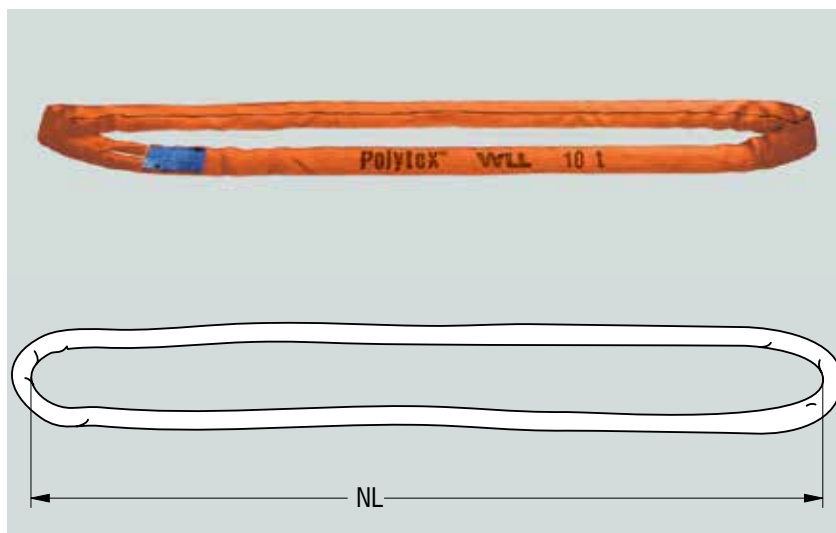
- ▶ **Standard:** DIN EN 1492-2
- ▶ **Safety factor:** 7
- ▶ **Identification mark:** Imprinted working load limit; Woven-in tonnage stripes

Options on request



- ▶ further useful lengths; further working load limits

Polytex® round sling Eco-Tex XL

Round sling with single-layer protective sleeve for moderate loads up to 25 t.



You will find suitable edge protection systems from page 312

WLL direct		kg	10000	15000	20000	25000
WLL strapped		kg	8000	12000	16000	20000
WLL wrapped around 0-45°		kg	20000	30000	40000	50000
Colour			orange	orange	orange	orange
Effective length	NL	m	2	2	2	2
Reference no.			473696	473699	473702	473706
Effective length	NL	m	4	4	4	4
Reference no.			473697	473700	473703	473707
Effective length	NL	m	6	6	6	6
Reference no.			375130	376636	473704	473708
Effective length	NL	m	8	8	8	8
Reference no.			473698	473701	473705	473709
Accessories						
			Standard shackle with nut and cotter pin			
Reference no.			112019	112021	112023	112023

- ▶ **Protected label**
- ▶ **Robust protective sleeve**
- ▶ **High abrasion resistance, low wear and tear**
- ▶ **Operating temperature: -40 °C to +100 °C**
- ▶ **Material: High-strength polyester fibres**
- ▶ **WLL: 15 t to 150 t**

Technical data

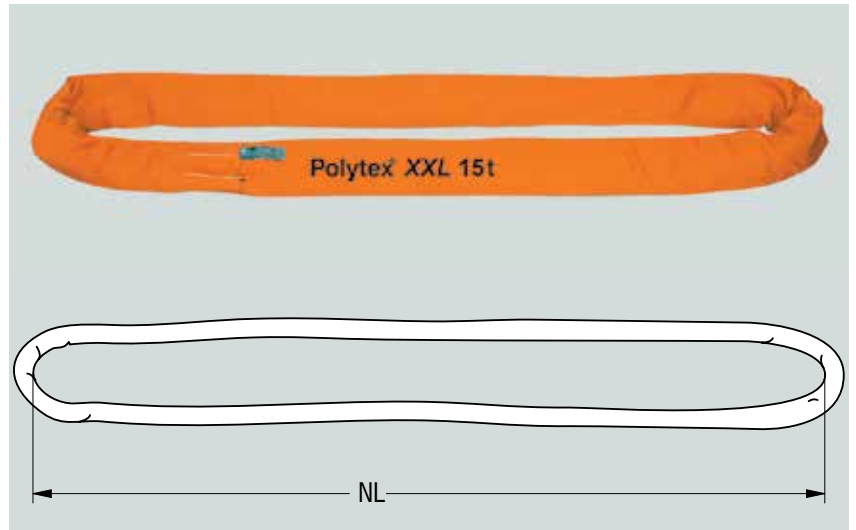
- ▶ **Standard:** DIN EN 1492-2
- ▶ **Safety factor:** 7
- ▶ **Identification mark:** Imprinted working load limit

Options on request

- ▶ further useful lengths

Polytex® round sling XXL

High-performance heavy-duty round sling with impregnated, particularly resistant protective sleeve with raised rib structure.



You will find suitable edge protection systems from page 312

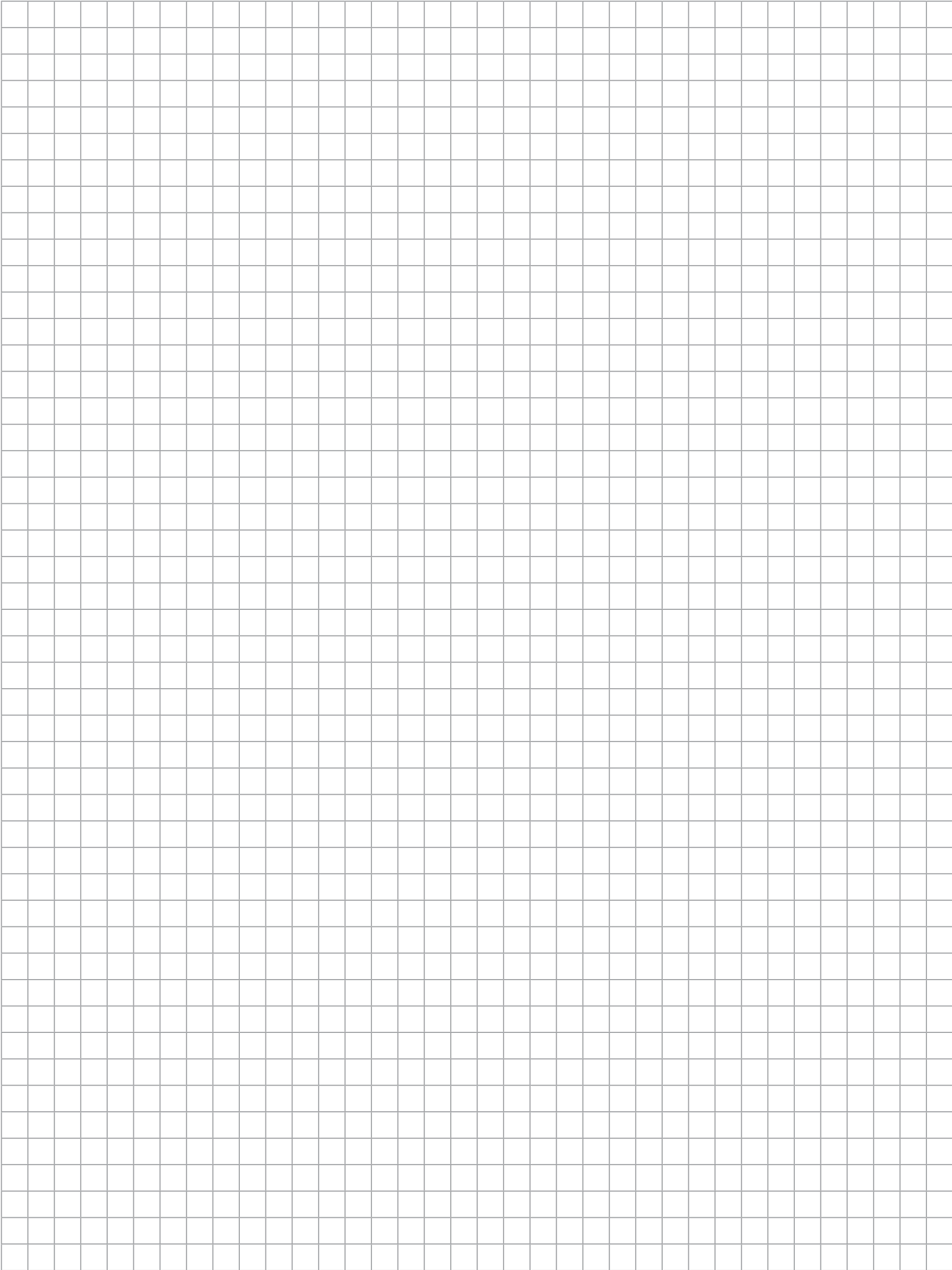
WLL direct		kg	15000	20000	25000	30000	40000	50000	60000
WLL strapped		kg	12000	16000	20000	24000	32000	40000	48000
WLL wrapped around		kg	30000	40000	50000	60000	80000	100000	120000
Contact surface width approx.		mm	90	120	120	135	140	145	175
Textile thickness with optimum support surface approx.		mm	20	23	30	35	35	45	43
Colour			orange	orange	orange	orange	orange	orange	orange
Effective length	NL	m	2	2	2	2	2	2	2
Reference no.			494466	494473	494480	494487	494494	494501	494564
Effective length	NL	m	3	3	3	3	3	3	3
Reference no.			494467	494474	494481	494488	494495	494502	494565
Effective length	NL	m	4	4	4	4	4	4	4
Reference no.			494468	494475	494482	494489	494496	494503	494566
Effective length	NL	m	6	6	6	6	6	6	-
Reference no.			494469	494476	494483	494490	494497	494504	-
Effective length	NL	m	8	8	8	8	8	8	8
Reference no.			494470	494477	494484	494491	494498	494505	494567
Effective length	NL	m	10	10	10	10	10	10	10
Reference no.			494471	494478	494485	494492	494499	494506	494568
Effective length	NL	m	12	12	12	12	12	12	12
Reference no.			494472	494479	494486	494493	494500	494507	494569

Accessories

			Standard shackle with nut and cotter pin						
Reference no.			112021	112023	112023	136379	136379	146813	146813
			-	-	-	-	Wide-body shackle		
Reference no.			-	-	-	-	235880	226293	235881

WLL direct		kg	70000	80000	90000	100000	120000	150000
WLL strapped		kg	56000	64000	72000	80000	96000	120000
WLL wrapped around		kg	140000	160000	180000	200000	240000	300000
Contact surface width approx.		mm	175	270	275	270	275	350
Textile thickness with optimum support surface approx.		mm	50	43	49	55	58	65
Colour			orange	orange	orange	orange	orange	orange
Effective length	NL	m	2	-	-	2	-	-
Reference no.			494570	-	-	494512	-	-
Effective length	NL	m	3	3	-	-	-	-
Reference no.			494571	494508	-	-	-	-
Effective length	NL	m	4	4	4	-	4	4
Reference no.			494572	494509	494574	-	494516	494518
Effective length	NL	m	-	6	6	6	6	6
Reference no.			-	494510	494575	494513	494517	494519
Effective length	NL	m	-	-	-	10	-	-
Reference no.			-	-	-	494514	-	-
Effective length	NL	m	12	12	-	12	-	-
Reference no.			494573	494511	-	494515	-	-
Accessories								
			Standard shackle with nut and cotter pin					
Reference no.			146813	222517	222517	222517	235882	304514
			Wide-body shackle					
Reference no.			235881	235882	235882	235882	247863	235883

Please always specify the effective length when ordering.



- ▶ Lighter than conventional XXL round slings
- ▶ Operating temperature: -50 °C to +60 °C
- ▶ Material: High performance fibres made of HMPE
- ▶ WLL: 10 t to 100 t

Technical data

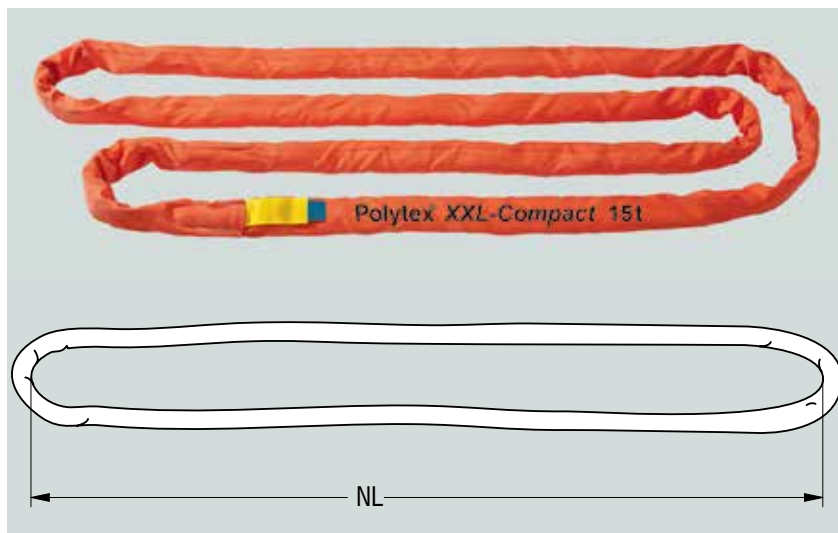
- ▶ **Standard:** similar to DIN EN 1492-2
- ▶ **Safety factor:** 7
- ▶ **Identification mark:** Imprinted working load limit

Options on request

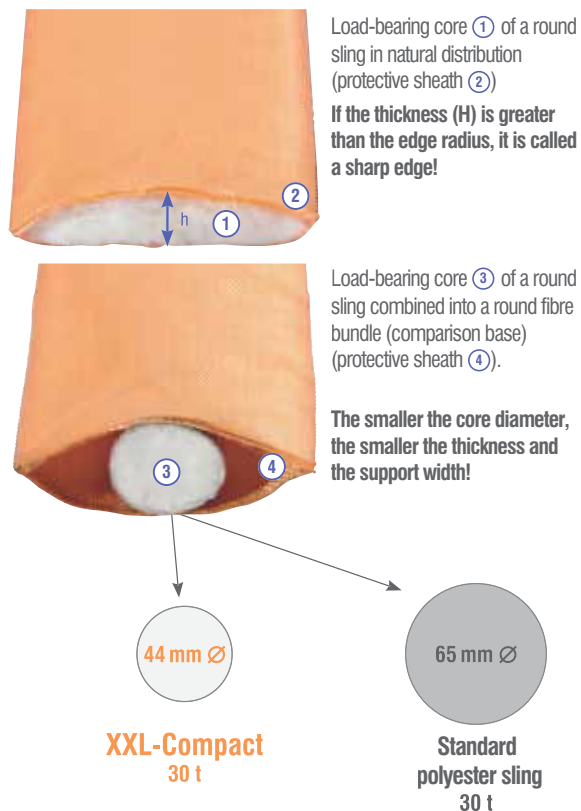
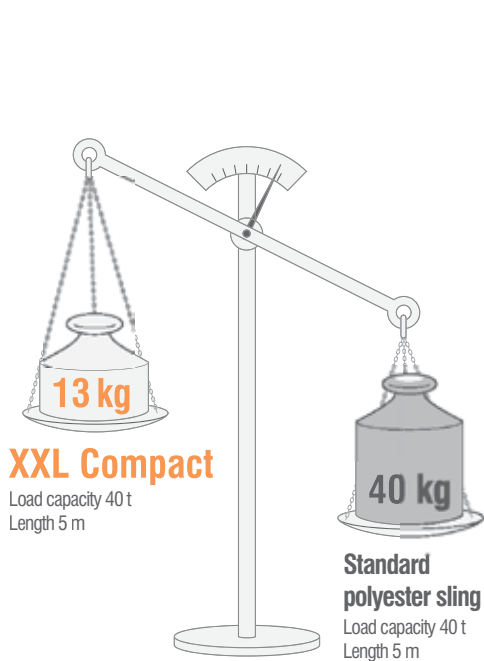
- ▶ further useful lengths; further working load limits

Polytex® round sling XXL-Compact

Compact, lightweight heavy duty round sling with high-performance Dyneema® fibre core for high working load limits. Special double-sleeve design with closed surface to protect objects from penetrating the load-bearing core fibres.



You will find suitable edge protection systems from page 312



WLL direct		kg	10000	15000	20000	25000	30000	40000
WLL strapped		kg	8000	12000	16000	20000	24000	32000
WLL wrapped around		kg	20000	30000	40000	50000	60000	80000
Contact surface width approx.		mm	68	88	85	103	100	125
Textile thickness with optimum support surface approx.		mm	13	13	16	25	27	20
Colour			orange	orange	orange	orange	orange	orange
Effective length	NL	m	2,5	2,5	2,5	2,5	-	2,5
Reference no.			494576	494583	494587	494591	-	494600
Effective length	NL	m	3	-	3	-	3	-
Reference no.			494577	-	494588	-	494594	-
Effective length	NL	m	4	4	4	4	4	4
Reference no.			494578	494584	494589	494592	494595	494601
Effective length	NL	m	6	6	6	6	6	-
Reference no.			494579	494585	494590	494593	494596	-
Effective length	NL	m	8	8	-	-	8	8
Reference no.			494580	494586	-	-	494597	494602
Effective length	NL	m	10	-	-	-	10	-
Reference no.			494581	-	-	-	494598	-
Effective length	NL	m	12	-	-	-	12	-
Reference no.			494582	-	-	-	494599	-

Accessories

			Standard shackle with nut and cotter pin					
Reference no.			435815	435819	435820	435820	112023	436295

WLL direct		kg	50000	60000	70000	80000	90000	100000
WLL strapped		kg	40000	48000	56000	64000	72000	80000
WLL wrapped around		kg	100000	120000	140000	160000	180000	200000
Contact surface width approx.		mm	140	140	150	150	195	195
Textile thickness with optimum support surface approx.		mm	34	37	47	50	40	55
Colour			orange	orange	orange	orange	orange	orange
Effective length	NL	m	4	4	4	4	4	4
Reference no.			494603	494605	494607	494609	494611	494613
Effective length	NL	m	8	8	8	8	8	8
Reference no.			494604	494606	494608	494610	494612	494614

Accessories

			Standard shackle with nut and cotter pin					
Reference no.			436295	146813	146813	146813	222517	222517
			-	-	-	Standard shackle with nut and cotter pin	-	-
Reference no.			-	-	-	146813	-	-

Please always specify the effective length when ordering.

New

- ▶ **Ultra-light and flexible**
- ▶ **Compact cross-section**
- ▶ **With sturdy protective sleeve**
- ▶ **Operating temperature:**
-40 °C to +70 °C
- ▶ **Material: Dyneema®SK78**
- ▶ **WLL: 10 t to 20 t**

Technical data

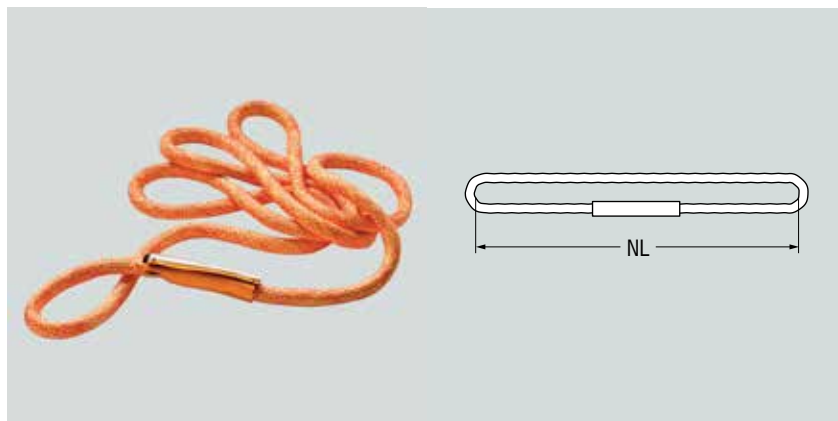
- ▶ **Standard:** On the basis of DIN EN 1492-2;
CG3 certification from the DNV GL possible
- ▶ **Safety factor:** 7
- ▶ **Identification mark:** Protected label

Options on request

- ▶ further useful lengths

Allround MegaLoop

With a rope-type compact cross section and outstanding strength, the Allround Mega Loop sets standards for universal round slings.



WLL direct		kg	10000	20000
Contact surface width approx.		mm	45	71
Textile thickness with optimum support surface approx.		mm	17	23
Effective length	NL	m	3	3
Reference no.			494615	494621
Effective length	NL	m	4	4
Reference no.			494616	494622
Effective length	NL	m	6	6
Reference no.			494617	494623
Effective length	NL	m	8	8
Reference no.			494618	494624
Effective length	NL	m	10	10
Reference no.			494619	494625
Effective length	NL	m	12	12
Reference no.			494620	494626
Accessories				
			Standard shackle with nut and cotter pin	Standard shackle with nut and cotter pin
Reference no.			112017	112021

- ▶ Handy set of common round slings
- ▶ Operating temperature: -40 °C to +100 °C
- ▶ Material: High-strength polyester fibres

Technical data

- ▶ **Standard:** DIN EN 1492-2
- ▶ **Safety factor:** 7
- ▶ **Identification mark:** Imprinted working load limit; Woven-in tonnage stripes



- ▶ Handy set of common round slings
- ▶ Operating temperature: -40 °C to +100 °C
- ▶ Material: High-strength polyester fibres
- ▶ Surface: Impregnated polyurethane

Technical data

- ▶ **Standard:** DIN EN 1492-2
- ▶ **Safety factor:** 7
- ▶ **Identification mark:** Imprinted working load limit; Woven-in tonnage stripes



Polytex® round sling sets 1 t-4 t

Set of 32 polyester round slings with single-layer protective sleeve.

Components	6 pieces: 1 t / 1 m
	6 pieces: 1 t / 2 m
	4 pieces: 2 t / 1 m
	4 pieces: 2 t / 2 m
	4 pieces: 2 t / 3 m
	4 pieces: 4 t / 2 m
	4 pieces: 4 t / 3 m
Reference no.	474300

Polytex® round sling sets 2 t-4 t

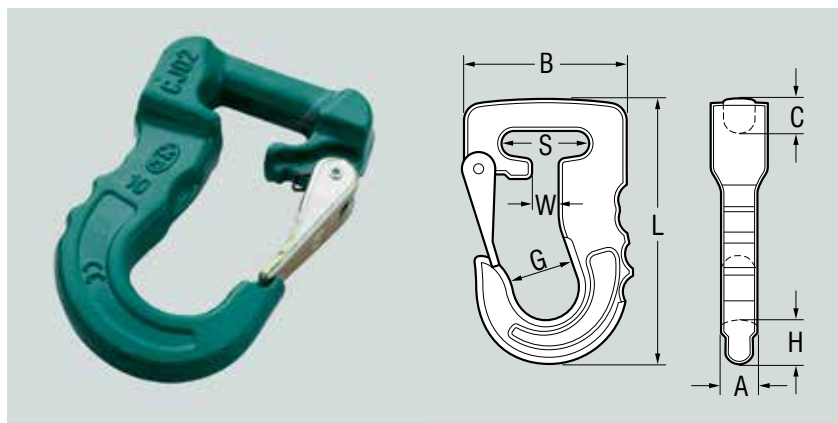
Set of 28 polyester round slings with single-layer protective sleeve.

Components	4 pieces: 2 t / 1 m
	4 pieces: 2 t / 2 m
	4 pieces: 2 t / 3 m
	4 pieces: 3 t / 2 m
	4 pieces: 3 t / 3 m
	4 pieces: 4 t / 3 m
	4 pieces: 4 t / 4 m
Reference no.	474301

- ▶ Simple, safe application
- ▶ Colour corresponding to working load limit
- ▶ WLL: 1 t to 10 t

Round sling load hook, type CJ

The round sling hook enables direct attachment with a round sling or a lifting strap to the attachment point of the load and/or easy connecting of two textile slings.



WLL		kg	1000	2000	3000	4000	5000	6000	8000	10000
Overall length	L	mm	123	148	175	223	223	223	317	317
Hook thickness	A	mm	17	21	25	36	36	36	45	45
Hook opening width	G	mm	31	40	50	59	59	59	80	80
Hook base height	H	mm	20	26	32	40	40	40	63	63
Structural element width	B	mm	78	91	113	133	133	133	185	185
Bracket height	C	mm	16	17	25	36	36	36	55	55
Contact surface width	S	mm	41	55	55	70	70	70	100	100
Clearance	W	mm	12	19	21	40	40	40	50	50
Colour			violet	green	yellow	grey	red	brown	blue	orange
Weight approx.		kg	0,7	1,3	2,3	4,5	4,5	4,5	12,5	12,5
Reference no.			233480	233481	233482	241392	241393	241394	256082	256083

- ▶ High working load limit at low weight
- ▶ WLL: 1 t to 20 t

Technical data

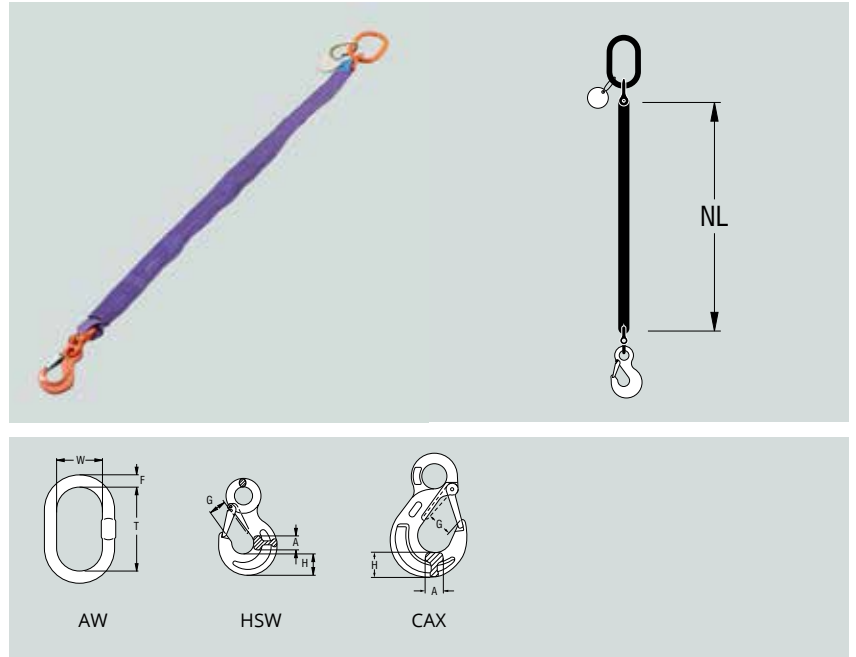
- ▶ **Identification mark:** Carrying capacity label
- ▶ **Legs Quantity:** single-line

Options on request

- ▶ further useful lengths; End fittings such as oval ring, shackle, special hook, etc.

Polytex® round sling suspension gear

Single-leg round sling suspension gear with eye load hooks with PU-impregnated protective sleeve for suspension gear.



WLL direct		kg	1000	2000	3000	4000	5000	6000	8000	10000	15000	19000	20000
Structural element length		mm	320	350	430	430	540	540	590	590	820	840	1020
Colour			violet	green	yellow	grey	red	brown	blue	orange	orange	orange	orange
Weight per first metre		kg	1,6	2,72	3,77	3,97	6,92	7,28	11,99	11,78	29,75	34,13	52,97
Effective length	NL	m	1	1	1	1	1	1	1	1	1	1	1
Reference no.			494378	494382	494386	494390	494394	494540	494398	494402	494406	494544	494520
Effective length	NL	m	2	2	2	2	2	2	2	2	2	2	2
Reference no.			494379	494383	494387	494391	494395	494541	494399	494403	494407	494545	494521
Effective length	NL	m	3	3	3	3	3	3	3	3	3	3	3
Reference no.			494380	494384	494388	494392	494396	494542	494400	494404	494408	494546	494522
Effective length	NL	m	4	4	4	4	4	4	4	4	4	4	4
Reference no.			494381	494385	494389	494393	494397	494543	494401	494405	494409	494547	494523
Component suspension													
Type			AW	AW	AW	AW	AW	AW	AW	AW	AW	AW	AW
Clear height	T	mm	110	110	135	135	160	160	180	180	260	260	340
Clearance	W	mm	60	60	75	75	90	90	100	100	140	140	180
Ring cross-sectional diameter	F	mm	13	16	19	19	23	23	27	27	36	36	45
Component end fitting													
Type			CAX	CAX	CAX	CAX	CAX	CAX	CAX	CAX	CAX	CAX	HSW
Hook base height	H	mm	20	29	33	33	42	42	50	50	53	60	75
Hook thickness	A	mm	16	19	26	26	33	33	40	40	48	50	60
Hook opening width	G	mm	19	26	31	31	40	40	45	45	52	62	73

- ▶ High working load limit at low weight
- ▶ WLL: 1,4 t to 28 t

Technical data

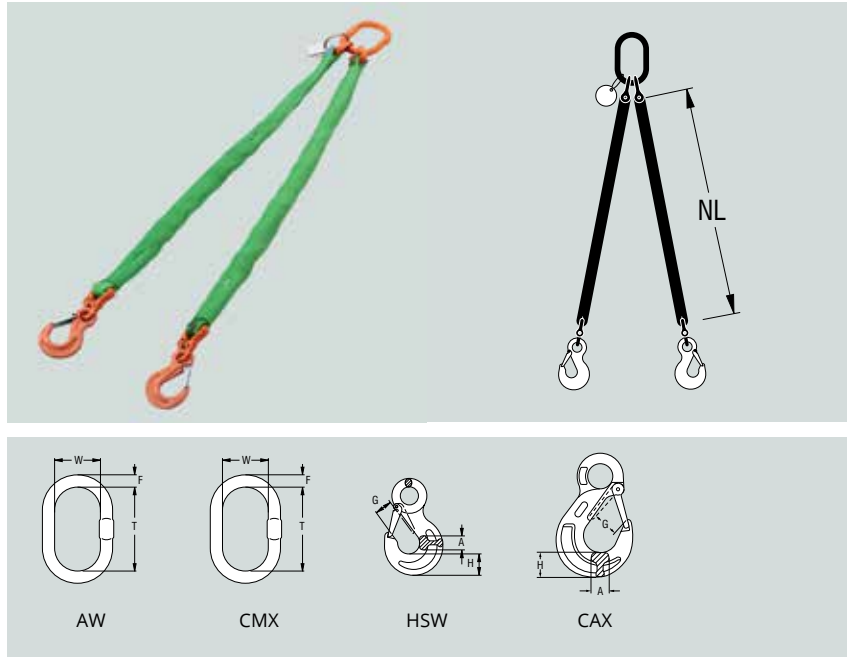
- ▶ **Identification mark:** Carrying capacity label
- ▶ **Legs Quantity:** 2-leg



Options on request

- ▶ further useful lengths; End fittings such as oval ring, shackle, special hook, etc.

Polytex® round sling suspension gear

2-leg round sling suspension gear with eye load hooks with PU-impregnated protective sleeve for suspension gear.



WLL direct 0-45°		kg	1400	2800	4200	5600	7000	8400	11200	14000	21000	26600	28000
WLL direct 45-60°		kg	1000	2000	3000	4000	5000	6000	8000	10000	15000	19000	20000
Structural element length		mm	320	380	460	460	560	560	610	610	900	920	1030
Colour			violet	green	yellow	grey	red	brown	blue	orange	orange	orange	orange
Weight per first metre		kg	2,91	5,16	7,06	7,46	13,2	13,92	22,98	22,56	60,14	68,9	96,71
Effective length	NL	m	1	1	1	1	1	1	1	1	1	1	1
Reference no.			494410	494414	494418	494422	494426	494548	494430	494434	494532	494552	494536
Effective length	NL	m	2	2	2	2	2	2	2	2	2	2	2
Reference no.			494411	494415	494419	494423	494427	494549	494431	494435	494533	494553	494537
Effective length	NL	m	3	3	3	3	3	3	3	3	3	3	3
Reference no.			494412	494416	494420	494424	494428	494550	494432	494436	494534	494554	494538
Effective length	NL	m	4	4	4	4	4	4	4	4	4	4	4
Reference no.			494413	494417	494421	494425	494429	494551	494433	494437	494535	494555	494539
Component suspension													
Type			AW	AW	AW	AW	AW	AW	CMX	CMX	AW	AW	AW
Clear height	T	mm	110	135	160	160	180	180	200	200	340	340	350
Clearance	W	mm	60	75	90	90	100	100	110	110	180	180	190
Ring cross-sectional diameter	F	mm	16	19	23	23	27	27	32	32	45	45	50
Component end fitting													
Type			CAX	CAX	CAX	CAX	CAX	CAX	CAX	CAX	CAX	CAX	HSW
Hook base height	H	mm	20	29	33	33	42	42	50	50	53	60	75
Hook thickness	A	mm	16	19	26	26	33	33	40	40	48	50	60
Hook opening width	G	mm	19	26	31	31	40	40	45	45	52	62	73

- ▶ High working load limit at low weight
- ▶ WLL: 2,1 t to 42 t

Technical data

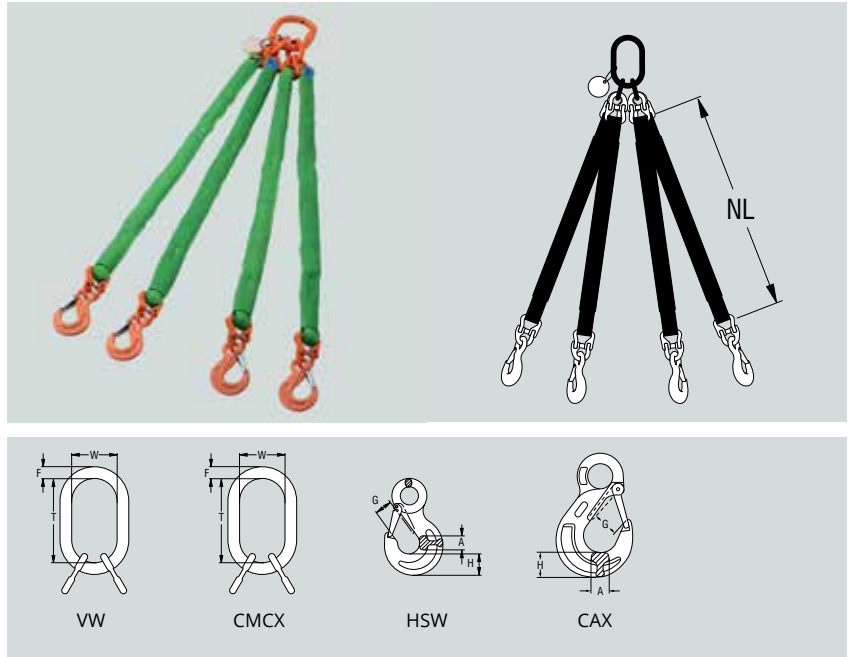
- ▶ **Identification mark:** Carrying capacity label
- ▶ **Legs Quantity:** 4-leg



Options on request

- ▶ further useful lengths; End fittings such as oval ring, shackle, special hook, etc.

Polytex® round sling suspension gear

4-leg round sling suspension gear with eye load hooks with PU-impregnated protective sleeve for suspension gear.



WLL direct 0-45°		kg	2100	4200	6300	8400	10500	12600	16800	21000	31500	39900	42000
WLL direct 45-60°		kg	1500	3000	4500	6000	7500	9000	12000	15000	22500	28500	30000
Structural element length		mm	400	470	560	560	700	700	810	810	1060	1100	1250
Colour			violet	green	yellow	grey	red	brown	blue	orange	orange	orange	orange
Weight per first metre		kg	5,86	11,04	14,76	15,56	27,7	29,14	47,08	46,24	117,35	137,19	201,47
Effective length	NL	m	1	1	1	1	1	1	1	1	1	1	1
Reference no.			494438	494442	494446	494450	494454	494556	494458	494462	494524	494560	494528
Effective length	NL	m	2	2	2	2	2	2	2	2	2	2	2
Reference no.			494439	494443	494447	494451	494455	494557	494459	494463	494525	494561	494529
Effective length	NL	m	3	3	3	3	3	3	3	3	3	3	3
Reference no.			494440	494444	494448	494452	494456	494558	494460	494464	494526	494562	494530
Effective length	NL	m	4	4	4	4	4	4	4	4	4	4	4
Reference no.			494441	494445	494449	494453	494457	494559	494461	494465	494527	494563	494531
Component suspension													
Type			VW	VW	VW	VW	VW	VW	CMCX	CMCX	VW	CMCX	VW
Clear height	T	mm	135	160	180	180	200	200	260	260	350	350	400
Clearance	W	mm	75	90	100	100	110	110	140	140	190	190	200
Ring cross-sectional diameter	F	mm	18	23	27	27	33	33	36	36	50	50	60
Component end fitting													
Type			CAX	CAX	CAX	CAX	CAX	CAX	CAX	CAX	CAX	CAX	HSW
Hook base height	H	mm	20	29	33	33	42	42	50	50	53	60	75
Hook thickness	A	mm	16	19	26	26	33	33	40	40	48	50	60
Hook opening width	G	mm	19	26	31	31	40	40	45	45	52	62	73

Lifting strap selection aid

This selection matrix gives an overview of the Polytex® lifting straps. Further application advice is offered by the PFEIFER internal and field service.

Question:

Does the lifting application require a particularly large contact width?



Polytex® lifting strap with loops

- Sensitive surfaces or pressure-sensitive loads, 1-ply, loops reinforced and tapered at both ends
- Lifting strap with particularly large contact width
 - Good pressure distribution and low surface pressure
 - For particularly sensitive loads

Question:

Should the predominant attachment method be choker hitch?



Polytex® lifting strap with sling hook

- Ideal in choker hitch with a saving of time and low wear, 2-ply, with a loop at the crane end
With a sling hook at the load end
- For fast, easy and low-wear load wrapping (choker hitch)
 - Saving of time, because the sling hook means that the strap doesn't have to be detached from the crane hook

Question:

Are there any hazards due to operation in harsh conditions or sharp edges?



Polytex® lifting strap with push-through round steel stirrups

- Sturdy steel stirrups instead of loops, 2-ply, push-through round stirrups at both ends
- Sturdy steel stirrups reduce wear in the load lifting area of the strap
 - Well suited in choker hitch with low wear of strap or loop

Polytex® lifting strap with additional PU coating

- For rough surfaces and sharp edges, 2-ply, with loops or with round stirrups
- Lifting strap coated on one or both sides. With stirrup or loop
 - Used with very rough load surfaces
 - Particularly resistant to edges and abrasion
 - Very good fabric protection
 - Reduced risk of slipping



Polytex® lifting strap with loops
Versatile all-round lifting strap, 2-ply, loops reinforced and tapered at both ends

- General lifting purposes and attachment methods
- Very well suited to most applications
- Usable anywhere

Polytex® endless lifting strap
Very flexible all-round lifting strap, 1-ply

- Quick and easy slinging in choker hitch
- Used with spreader beams or as an all-round solution in the workshop
- Usable anywhere

Polytex® heavy-duty lifting strap with loops
High working load limit for compact support dimensions, 4-ply, loops reinforced and tapered at both ends

- General lifting purposes and attachment methods with heavy loads
- Comparatively narrow strap dimensions in a working load limit comparison

Polytex® endless lifting strap, 2-ply
Flexible heavy-duty lifting strap with compact contact dimensions, 2-ply

- General lifting purposes and attachment methods with heavy loads
- Comparatively narrow strap dimensions in a working load limit comparison
- Quick and easy slinging in choker hitch
- Ideal for use with spreader beams

For use in special environmental conditions (temperatures, acids or caustic solutions, etc.), please contact our PFEIFER internal and field service. Here you will receive competent advice.

- ▶ **Large contact width**
- ▶ **Operating temperature:**
-40 °C to +100 °C
- ▶ **Material: Polyester fabric**
- ▶ **Material layers: single-layer**
- ▶ **WLL: 0,5 t to 5 t**

Technical data

- ▶ **Standard:** On the basis of DIN EN 1492-1
- ▶ **Safety factor:** 7
- ▶ **Identification mark:** Imprinted working load limit

Options on request

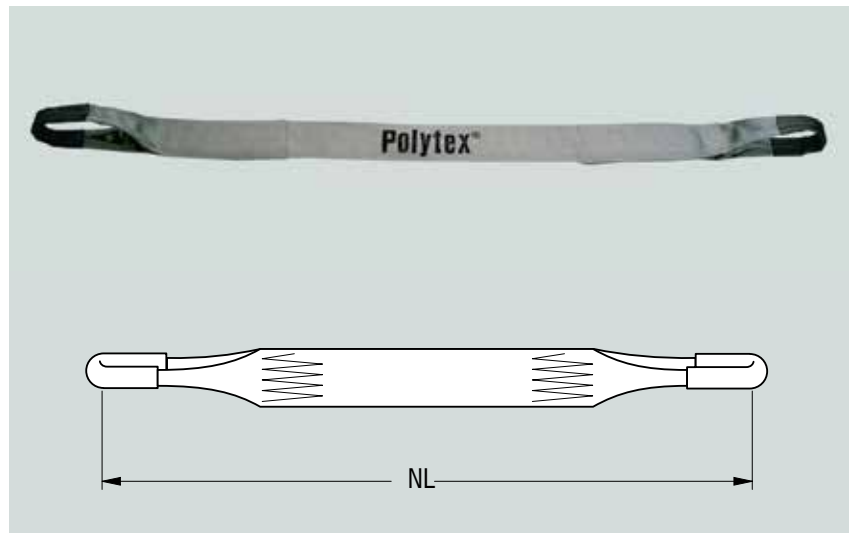
- ▶ further useful lengths

Polytex® lifting strap 1LA

Single-layer lifting strap with reinforced end loops tapered to around half the width.

Exception: the end loops of the 30 mm strap are untapered.

The wide contact surface provides for an even distribution of pressure to the load. Gentle on surfaces. For lifting delicate goods.



WLL direct	↑	kg	500	1000	1500	2000	2500	3000	4000	5000
WLL strapped	○	kg	400	800	1200	1600	2000	2400	3200	4000
WLL wrapped around	∩	kg	1000	2000	3000	4000	5000	6000	8000	10000
Loop length		mm	250	250	300	400	450	600	750	850
Textile width		mm	30	60	90	120	150	180	240	300
Textile size		mm	3	3	3	4	4	4	5	5
Colour			white	white	white	white	white	white	white	white
Weight per first metre		kg	0,224	0,375	0,809	1,315	1,836	2,73	4,65	5,394
Effective length	NL	m	1	-	-	-	-	-	-	-
Reference no.			471268	-	-	-	-	-	-	-
Effective length	NL	m	-	1,1	-	-	-	-	-	-
Reference no.			-	471272	-	-	-	-	-	-
Effective length	NL	m	1,5	1,5	-	-	-	-	-	-
Reference no.			471269	471273	-	-	-	-	-	-
Effective length	NL	m	2	2	2	2	-	-	-	-
Reference no.			471270	471274	471278	471282	-	-	-	-
Effective length	NL	m	3	3	3	3	3	3	3	3
Reference no.			471271	471275	471279	471283	471286	471290	471294	471298
Effective length	NL	m	-	4	4	4	4	4	4	4
Reference no.			-	471276	471280	471284	471287	471291	471295	471299
Effective length	NL	m	-	5	5	5	5	5	5	5
Reference no.			-	471277	471281	471285	471288	471292	471296	471300
Effective length	NL	m	-	-	-	-	6	6	6	6
Reference no.			-	-	-	-	471289	471293	471297	471301

- ▶ All round lifting strap for general lifting purposes
- ▶ Operating temperature: -40 °C to +100 °C
- ▶ Material: Polyester fabric
- ▶ Material layers: double-layer
- ▶ WLL: 1 t to 10 t

Technical data

- ▶ Standard: DIN EN 1492-1
- ▶ Safety factor: 7
- ▶ Identification mark: Imprinted working load limit

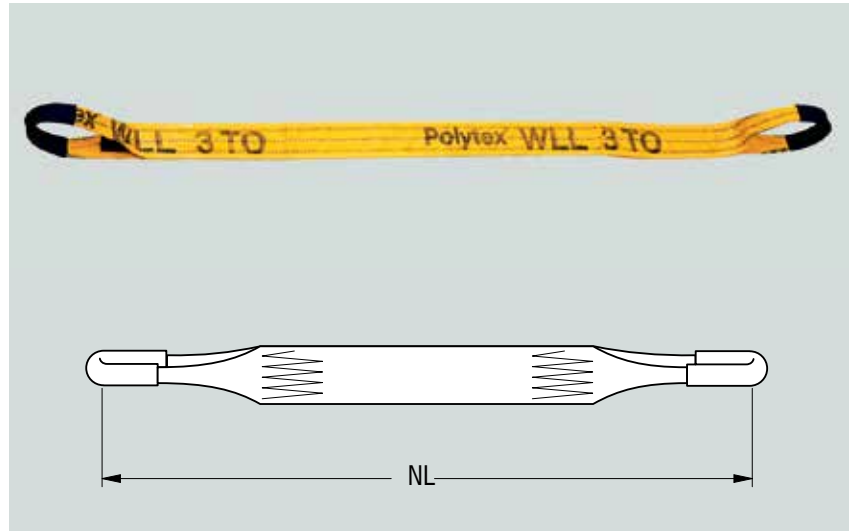
Options on request




- ▶ further useful lengths
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Polytex® lifting strap 2LA

The double layer lifting strap with reinforced end loops tapered to half-width is ideally suited for most applications and for all attachment methods.

Exception: the end loops of the 30 mm strap are untapered.



WLL direct		kg	1000	2000	3000	4000	5000	6000	8000	10000
WLL strapped		kg	800	1600	2400	3200	4000	4800	6400	8000
WLL wrapped around		kg	2000	4000	6000	8000	10000	12000	16000	20000
Loop length		mm	250	250	300	400	450	600	750	850
Textile width		mm	30	60	90	120	150	180	240	300
Textile size		mm	7	7	7	8	8	8	9	9
Colour			violet	green	yellow	grey	red	brown	blue	orange
Weight per first metre		kg	0,23	0,4	0,7	1,6	2,04	2,56	7,54	8,48
Effective length	NL	m	1	1	-	-	-	-	-	-
Reference no.			471355	471362	-	-	-	-	-	-
Effective length	NL	m	-	-	1,1	-	-	-	-	-
Reference no.			-	-	471370	-	-	-	-	-
Effective length	NL	m	1,5	1,5	1,5	-	-	-	-	-
Reference no.			471356	471363	471371	-	-	-	-	-
Effective length	NL	m	2	2	2	2	2	2	-	-
Reference no.			471357	471364	471372	471379	471385	471391	-	-
Effective length	NL	m	2,5	2,5	2,5	-	-	-	-	-
Reference no.			471358	471365	471373	-	-	-	-	-
Effective length	NL	m	3	3	3	3	3	3	-	-
Reference no.			471359	471366	471374	471380	471386	471392	-	-
Effective length	NL	m	4	4	4	4	4	4	4	4
Reference no.			471360	471367	471375	471381	471387	471393	471397	471402
Effective length	NL	m	5	5	5	5	5	5	5	5
Reference no.			471361	471368	471376	471382	471388	471394	471398	471403
Effective length	NL	m	-	6	6	6	6	6	6	6
Reference no.			-	471369	471377	471383	471389	471395	471399	471404
Effective length	NL	m	-	-	8	8	8	8	8	8
Reference no.			-	-	471378	471384	471390	471396	471400	471405
Effective length	NL	m	-	-	-	-	-	-	10	10
Reference no.			-	-	-	-	-	-	471401	471406

- ▶ Particularly narrow strap width
- ▶ High working load limit
- ▶ Operating temperature:
-40 °C to +100 °C
- ▶ Material: Polyester fabric
- ▶ Surface: Impregnated polyurethane
- ▶ Material layers: Four layers
- ▶ WLL: 2 t to 20 t

Technical data

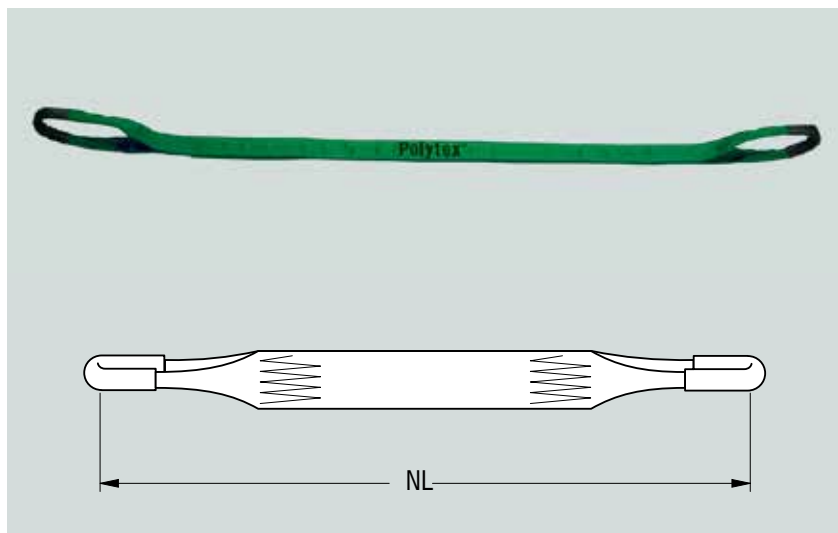
- ▶ Standard: DIN EN 1492-1
- ▶ Safety factor: 7
- ▶ Identification mark: Imprinted working load limit

Options on request

- ▶ further useful lengths

Polytex® heavy-duty lifting strap 4LA

Four-layer heavy-duty lifting strap with reinforced and tapered end loops. For high working load limits with very narrow strap width and minimal contact surface.



WLL direct		kg	2000	4000	6000	8000	10000	12000	16000	20000
WLL strapped		kg	1600	3200	4800	6400	8000	9600	12800	16000
WLL wrapped around		kg	4000	8000	12000	16000	20000	24000	32000	40000
Loop length		mm	350	400	500	600	700	700	850	1100
Textile width		mm	30	60	90	120	150	180	240	300
Textile size		mm	14	14	14	16	16	16	18	18
Colour			green	grey	brown	blue	orange	orange	orange	orange
Weight per first metre		kg	0,598	1,502	2,16	6,257	7,14	13,67	20,95	43,2
Effective length	NL	m	1,5	-	-	-	-	-	-	-
Reference no.			471302	-	-	-	-	-	-	-
Effective length	NL	m	2	2	2	-	-	-	-	-
Reference no.			471303	471308	471313	-	-	-	-	-
Effective length	NL	m	3	3	3	-	-	-	-	-
Reference no.			471304	471309	471314	-	-	-	-	-
Effective length	NL	m	4	4	4	4	4	-	-	-
Reference no.			471305	471310	471315	471318	471322	-	-	-
Effective length	NL	m	5	5	5	5	5	-	-	-
Reference no.			471306	471311	471316	471319	471323	-	-	-
Effective length	NL	m	6	6	6	6	6	6	6	6
Reference no.			471307	471312	471317	471320	471324	471326	471330	471334
Effective length	NL	m	-	-	-	8	8	8	8	8
Reference no.			-	-	-	471321	471325	471327	471331	471335
Effective length	NL	m	-	-	-	-	-	10	10	10
Reference no.			-	-	-	-	-	471328	471332	471336
Effective length	NL	m	-	-	-	-	-	12	12	12
Reference no.			-	-	-	-	-	471329	471333	471337

- ▶ Quick and easy load slinging
- ▶ Operating temperature:
-40 °C to +100 °C
- ▶ Material: Polyester fabric
- ▶ WLL: 2 t to 5 t

Technical data

- ▶ **Standard:** DIN EN 1492-1
- ▶ **Safety factor:** 7
- ▶ **Identification mark:** Imprinted working load limit

Options on request

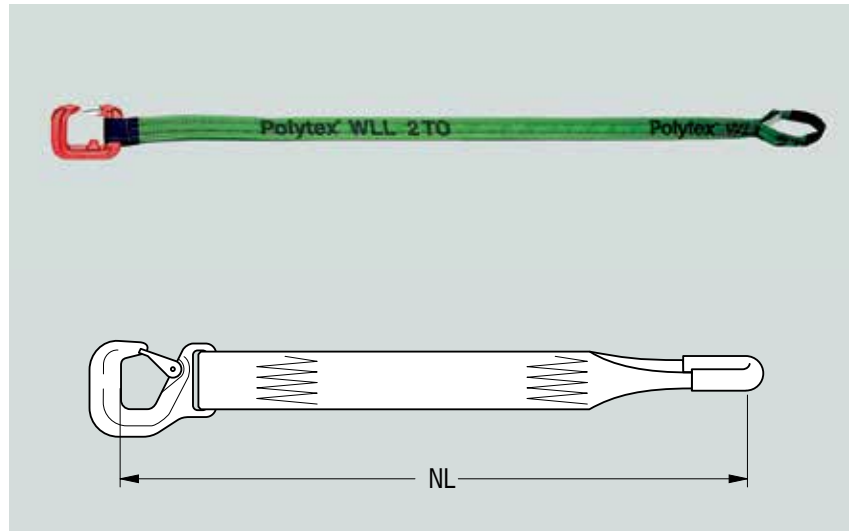
- ▶ further useful lengths

Polytex® lifting strap SH

Two layer lifting strap with sling hook with safety latch for lifting operations in choker hitch.

Saves time for frequent choker hitching because the sling hook ensures that the strap doesn't have not be unhooked from the crane hook.

The strap lies fully within the sling hook which makes it wear-resistant.



WLL direct	↑	kg	2000	3000	4000	5000
WLL strapped	⊙	kg	1600	2400	3200	4000
Loop length		mm	250	300	400	450
Textile width		mm	60	90	120	150
Textile size		mm	7	7	8	8
Colour			green	yellow	grey	red
Weight per first metre		kg	2,343	3,605	5,972	12,509
Effective length	NL	m	1	1	-	-
Reference no.			471338	471341	-	-
Effective length	NL	m	-	-	1,2	-
Reference no.			-	-	471346	-
Effective length	NL	m	2	2	2	2
Reference no.			471339	471342	471347	471351
Effective length	NL	m	3	3	3	3
Reference no.			471340	471343	471348	471352
Effective length	NL	m	-	4	4	4
Reference no.			-	471344	471349	471353
Effective length	NL	m	-	6	6	6
Reference no.			-	471345	471350	471354

- ▶ Heavy duty round steel stirrup
- ▶ Operating temperature: -40 °C to +100 °C
- ▶ Material: Polyester fabric
- ▶ Material layers: double-layer
- ▶ WLL: 1 t to 10 t

Technical data

- ▶ **Standard:** DIN EN 1492-1
- ▶ **Safety factor:** 7
- ▶ **Identification mark:** Imprinted working load limit

Options on request

- ▶ further useful lengths

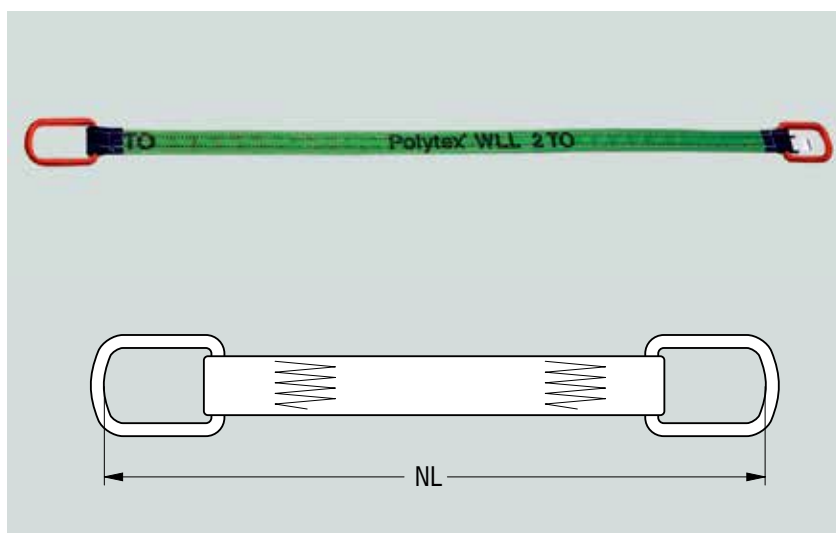
Polytex® lifting strap RB

Two-layer lifting strap with push-through round steel stirrups for easy looping around the load.

Reinforced loops in the round steel stirrup area.

The steel stirrups reduce wear and tear in the strap's load carrying area.

In choker hitching, the strap lies evenly in the stirrup.



WLL direct	↑	kg	1000	2000	3000	4000	5000	6000	8000	10000
WLL strapped	⦿	kg	800	1600	2400	3200	4000	4800	6400	
WLL wrapped around	U	kg	2000	4000	6000	8000	10000	12000	16000	20000
Textile width	BG	mm	30	60	90	120	150	180	240	300
Textile size	SGB	mm	7	7	7	8	8	8	9	9
Bracket length	LB	mm	80	125	165	210	245	300	395	290
Bracket width	H	mm	40	75	105	140	170	200	270	85
bracket cross-sectional diameter	F	mm	13	16	20	23	26	30	36	40
Colour			violet	green	yellow	grey	red	brown	blue	orange
Effective length	NL	m	1	1	-	-	-	-	-	-
Reference no.			471239	471243	-	-	-	-	-	-
Effective length	NL	m	1,5	1,5	-	-	-	-	-	-
Reference no.			471240	471244	-	-	-	-	-	-
Effective length	NL	m	2	2	2	2	2	-	-	-
Reference no.			471241	471245	471248	471251	471255	-	-	-
Effective length	NL	m	3	3	3	3	3	-	-	-
Reference no.			471242	471246	471249	471252	471256	-	-	-
Effective length	NL	m	-	4	4	4	4	-	-	-
Reference no.			-	471247	471250	471253	471257	-	-	-
Effective length	NL	m	-	-	-	5	5	5	5	5
Reference no.			-	-	-	471254	471258	471259	471262	471265
Effective length	NL	m	-	-	-	-	-	6	6	6
Reference no.			-	-	-	-	-	471260	471263	471266
Effective length	NL	m	-	-	-	-	-	8	8	8
Reference no.			-	-	-	-	-	471261	471264	471267

- ▶ **Extremely edge and abrasion-resistant coating**
- ▶ **Reduced risk of load slipping**
- ▶ **Transparent coating enables visual inspection of the strap**
- ▶ **Operating temperature: -40 °C to +100 °C**
- ▶ **Material: Polyester fabric**
- ▶ **Material layers: double-layer**
- ▶ **WLL: 2 t to 10 t**

Technical data

- ▶ **Standard:** DIN EN 1492-1
- ▶ **Safety factor:** 7
- ▶ **Identification mark:** Imprinted working load limit

Options on request

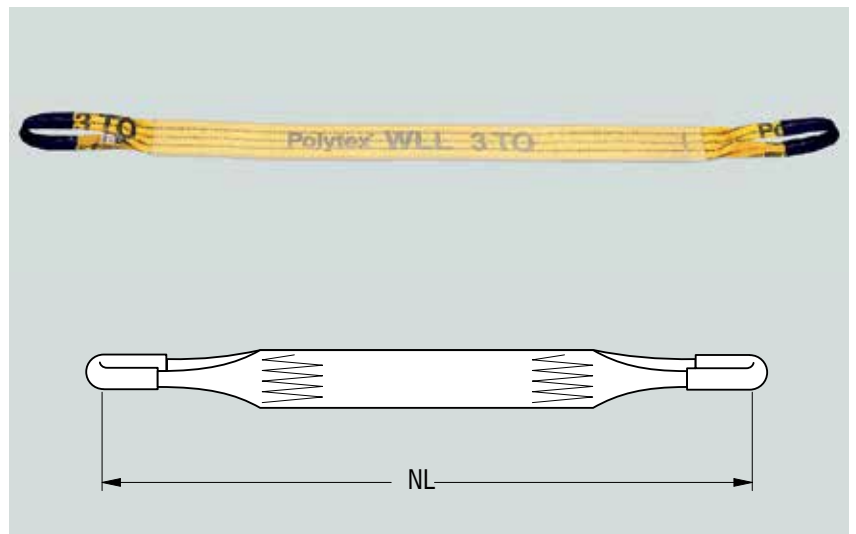
- ▶ further useful lengths

Polytex® lifting strap 1PU

Double layer lifting strap with PU coating on one side with back bulge and reinforced end loops tapered to around half the width for demanding lifting procedures.

The lifting strap is particularly suited for use on very rough load surfaces because the coating is extremely edge and abrasion-resistant.

Can be used directly (without additional edge protection) on sharp edges.



WLL direct		kg	2000	3000	4000	5000	6000	8000	10000
WLL wrapped around		kg	4000	6000	8000	10000	12000	16000	20000
Loop length	LS	mm	250	300	400	450	600	750	850
Textile width	BG	mm	70	100	130	160	190	250	310
Textile size	SGB	mm	18	18	18	18	18	18	18
Colour			green	yellow	grey	red	brown	blue	orange
Effective length	NL	m	2	2	2	2	2	-	-
Reference no.			201054	201060	201066	201072	201079	-	-
Effective length	NL	m	3	3	3	3	3	3	3
Reference no.			201055	201061	201067	201073	201080	201086	201092
Effective length	NL	m	4	4	4	4	4	4	4
Reference no.			201056	201062	201068	201074	201081	201087	201093
Effective length	NL	m	5	5	5	5	5	5	5
Reference no.			201057	201063	201069	201075	201082	201088	201094
Effective length	NL	m	6	6	6	6	6	6	6
Reference no.			201058	201064	201070	201076	201083	201089	201095
Effective length	NL	m	8	8	8	8	8	8	8
Reference no.			201059	201065	201071	201077	201084	201090	201096

- ▶ Extremely edge and abrasion-resistant coating
- ▶ Reduced risk of load slipping
- ▶ Transparent coating enables visual inspection of the strap
- ▶ Operating temperature: -40 °C to +100 °C
- ▶ Material: Polyester fabric
- ▶ Material layers: double-layer
- ▶ WLL: 1 t to 10 t

Technical data

- ▶ Standard: DIN EN 1492-1
- ▶ Safety factor: 7
- ▶ Identification mark: Imprinted working load limit

Options on request

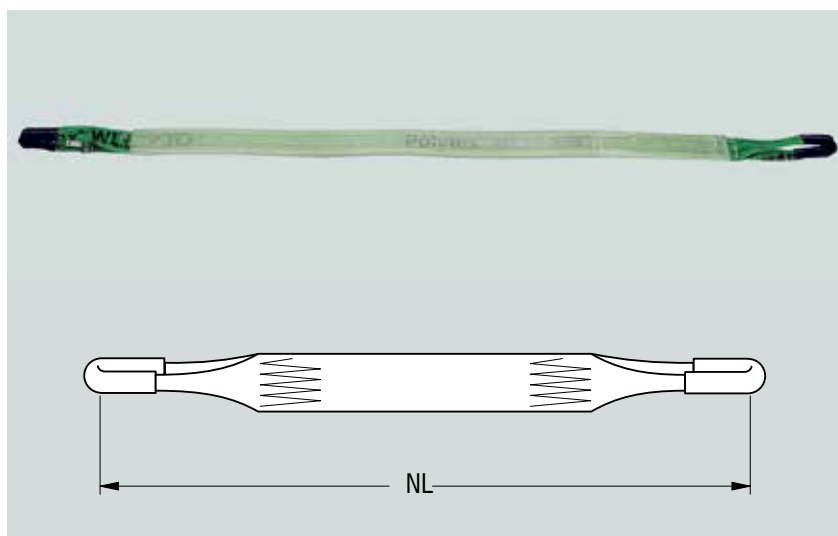
- ▶ further useful lengths

Polytex® lifting strap 2PU

Double layer lifting strap with PU coating on both sides and reinforced end loops tapered to around half the width for demanding lifting procedures.

Exception: the end loops of the 40 mm strap are untapered. The lifting strap is particularly suited for use on very rough load surfaces because the coating is extremely edge and abrasion-resistant.

Can be used directly (without additional edge protection) on sharp edges.



WLL direct		kg	1000	2000	3000	4000	5000	6000	8000	10000
WLL wrapped around		kg	2000	4000	6000	8000	10000	12000	16000	20000
Loop length	LS	mm	250	250	300	400	450	600	750	850
Textile width	BG	mm	40	70	100	130	160	190	250	310
Textile size	SGB	mm	18	18	18	18	18	18	18	18
Colour			violet	green	yellow	grey	red	brown	blue	orange
Effective length	NL	m	2	2	2	2	2	2	-	-
Reference no.			201127	201133	201139	201145	201151	201157	-	-
Effective length	NL	m	3	3	3	3	3	3	3	3
Reference no.			201128	201134	201140	201146	201152	201158	201164	201170
Effective length	NL	m	4	4	4	4	4	4	4	4
Reference no.			201129	201135	201141	201147	201153	201159	201165	201171
Effective length	NL	m	5	5	5	5	5	5	5	5
Reference no.			201130	201136	201142	201148	201154	201160	201166	201172
Effective length	NL	m	6	6	6	6	6	6	6	6
Reference no.			201131	201137	201143	201149	201155	201161	201167	201173
Effective length	NL	m	8	8	8	8	8	8	8	8
Reference no.			201132	201138	201144	201150	201156	201162	201168	201174

- ▶ **Extremely edge and abrasion-resistant coating**
- ▶ **Reduced risk of load slipping**
- ▶ **Transparent coating enables visual inspection of the strap**
- ▶ **Operating temperature: -40 °C to +100 °C**
- ▶ **Material: Polyester fabric**
- ▶ **Material layers: double-layer**
- ▶ **WLL: 2 t to 5 t**

Technical data

- ▶ **Standard:** DIN EN 1492-1
- ▶ **Safety factor:** 7
- ▶ **Identification mark:** Imprinted working load limit

Options on request

- ▶ further useful lengths

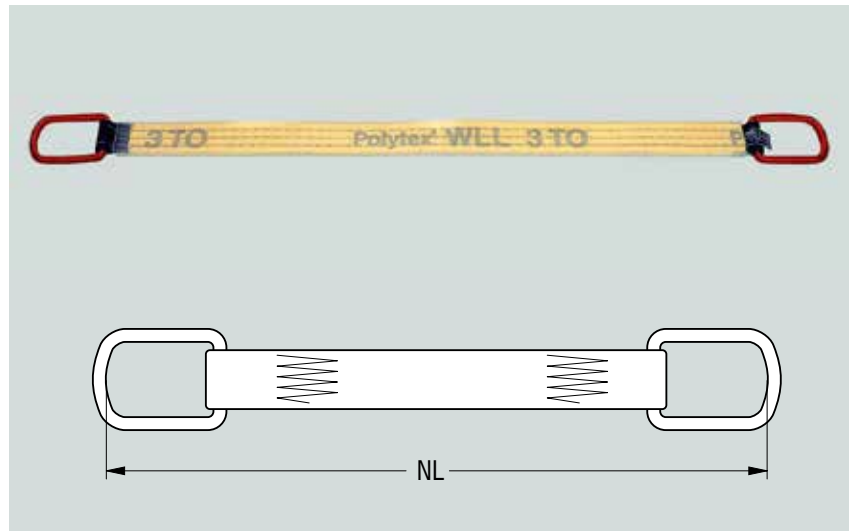
Polytex® lifting strap 1PU-RB

Two-layer lifting strap with single-sided PU coating with back bulge as well as push-through round steel stirrups.

Can also be used in choker hitch: The strap lies evenly in the round steel stirrup.

The lifting strap is particularly suited for use on very rough load surfaces because the coating is extremely edge and abrasion-resistant.

Can be used directly (without additional edge protection) on sharp edges.



WLL direct		kg	2000	3000	4000	5000
WLL strapped		kg	1600	2400	3200	4000
WLL wrapped around		kg	4000	6000	8000	10000
Textile width	BG	mm	70	100	130	160
Textile size	SGB	mm	18	18	18	18
Bracket length	LB	mm	125	165	210	245
Bracket width	H	mm	75	105	140	170
bracket cross-sectional diameter	F	mm	16	20	23	26
Colour			green	yellow	grey	red
Effective length	NL	m	2	2	2	2
Reference no.			201097	201104	201111	201119
Effective length	NL	m	3	3	3	3
Reference no.			201098	201105	201112	201120
Effective length	NL	m	4	4	4	4
Reference no.			201100	201106	201113	201121
Effective length	NL	m	5	5	5	5
Reference no.			201101	201107	201114	201122
Effective length	NL	m	6	6	6	6
Reference no.			201102	201108	201115	201123
Effective length	NL	m	8	8	8	8
Reference no.			201103	201109	201116	201124

- ▶ Extremely edge and abrasion-resistant coating
- ▶ Reduced risk of load slipping
- ▶ Transparent coating enables visual inspection of the strap
- ▶ Operating temperature: -40 °C to +100 °C
- ▶ Material: Polyester fabric
- ▶ Material layers: double-layer
- ▶ WLL: 1 t to 5 t

Technical data

- ▶ Standard: DIN EN 1492-1
- ▶ Safety factor: 7
- ▶ Identification mark: Imprinted working load limit

Options on request

- ▶ further useful lengths

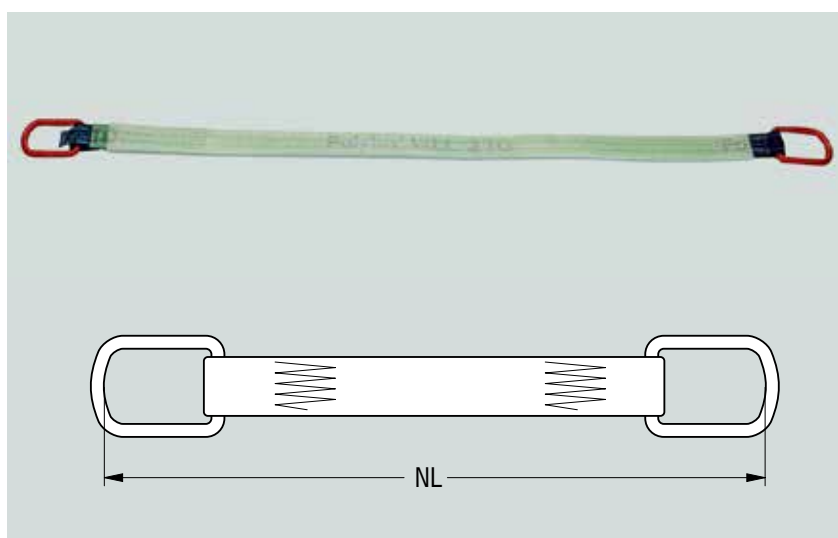
Polytex® lifting strap 2PU-RB

Two-layer lifting strap with double-sided PU coating as well as push-through round steel stirrups.

Can also be used in choker hitch: The strap lies evenly in the round steel stirrup.

The lifting strap is particularly suited for use on very rough load surfaces because the coating is extremely edge and abrasion-resistant.

Can be used directly (without additional edge protection) on sharp edges.



WLL direct		kg	1000	2000	3000	4000	5000
WLL strapped		kg	800	1600	2400	3200	4000
WLL wrapped around		kg	2000	4000	6000	8000	10000
Textile width	BG	mm	40	70	100	130	160
Textile size	SGB	mm	18	18	18	18	18
Bracket length	LB	mm	80	125	165	210	245
Bracket width	H	mm	40	75	105	140	170
bracket cross-sectional diameter	F	mm	13	16	20	23	26
Colour			violet	green	yellow	grey	red
Effective length	NL	m	2	2	2	2	2
Reference no.			201176	201182	201188	201194	201200
Effective length	NL	m	3	3	3	3	3
Reference no.			201177	201183	201189	201195	201201
Effective length	NL	m	4	4	4	4	4
Reference no.			201178	201184	201190	201196	201202
Effective length	NL	m	5	5	5	5	5
Reference no.			201179	201185	201191	201197	201203
Effective length	NL	m	6	6	6	6	6
Reference no.			201180	201186	201192	201198	201204
Effective length	NL	m	8	8	8	8	8
Reference no.			201181	201187	201193	201199	201205

- ▶ Particularly flexible
- ▶ Usable anywhere
- ▶ Operating temperature:
-40 °C to +100 °C
- ▶ Material: Polyester fabric
- ▶ Material layers: single-layer
- ▶ WLL: 1 t to 10 t

Technical data

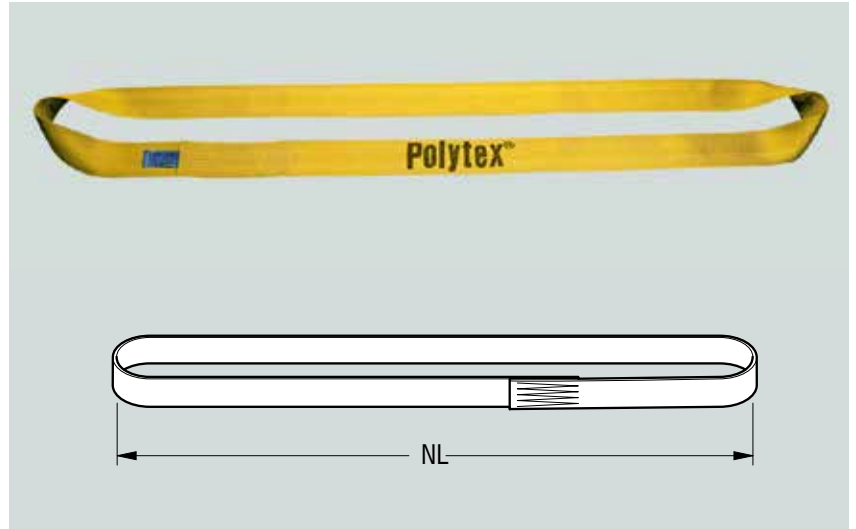
- ▶ Standard: DIN EN 1492-1
- ▶ Safety factor: 7

Options on request

- ▶ further useful lengths

Polytex® endless lifting strap 1LA

Single-layer endless lifting strap, enables rapid and easy attachment in choker hitch or when used with cross beams.



WLL direct		kg	1000	2000	3000	4000	5000	6000	8000	10000
WLL strapped		kg	800	1600	2400	3200	4000	4800	6400	8000
WLL wrapped around		kg	2000	4000	6000	8000	10000	12000	16000	20000
Textile width	BG	mm	30	60	90	120	150	180	240	300
Textile size	SGB	mm	3	3	3	4	4	4	5	5
Colour			violet	green	yellow	grey	red	brown	blue	orange
Weight per first metre		kg	0,28	0,61	1,11	1,48	1,86	2,449	3,647	4,128
Effective length	NL	m	2	2	2	2	2	2	2	2
Reference no.			491459	491465	491471	491477	491483	491489	491495	491501
Effective length	NL	m	3	3	3	3	3	3	3	3
Reference no.			491460	491466	491472	491478	491484	491490	491496	491502
Effective length	NL	m	4	4	4	4	4	4	4	4
Reference no.			491461	491467	491473	491479	491485	491491	491497	491503
Effective length	NL	m	5	5	5	5	5	5	5	5
Reference no.			491462	491468	491474	491480	491486	491492	491498	491504
Effective length	NL	m	6	6	6	6	6	6	6	6
Reference no.			491463	491469	491475	491481	491487	491493	491499	491505
Effective length	NL	m	8	8	8	8	8	8	8	8
Reference no.			491464	491470	491476	491482	491488	491494	491500	491506

- ▶ Quick and easy slinging in choker hitch
- ▶ Operating temperature: -40 °C to +100 °C
- ▶ Material: Polyester fabric
- ▶ Material layers: double-layer
- ▶ WLL: 2 t to 20 t

Technical data

- ▶ **Standard:** On the basis of DIN EN 1492-1
- ▶ **Safety factor:** 7

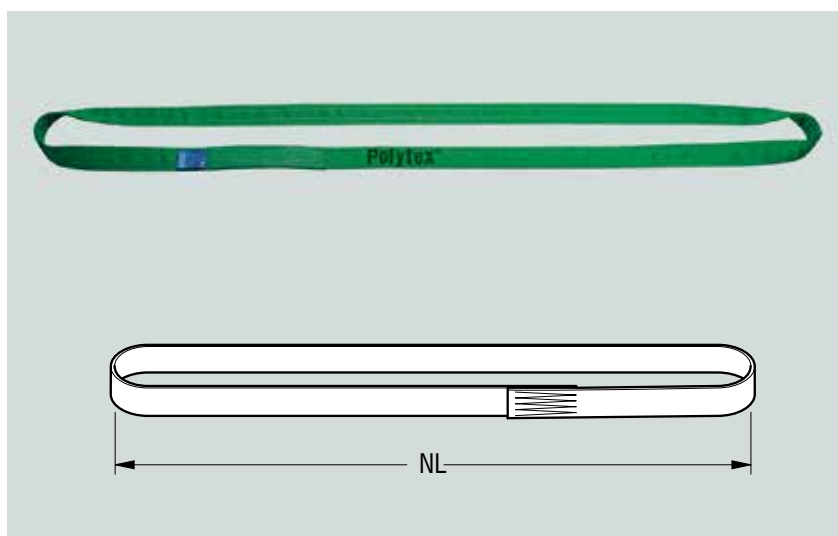
Options on request

- ▶ further useful lengths

Polytex® endless lifting strap 2LA

Two-layer endless lifting strap with double working load limit compared to single-layer endless lifting straps with the same strap width.

The lifting strap has relatively narrow strap dimensions when comparing the working load limit and is ideal for use with cross beams.



WLL direct		kg	2000	4000	6000	8000	10000	12000	16000	20000
WLL strapped		kg	1600	3200	4800	6400	8000	9600	12800	16000
WLL wrapped around		kg	4000	8000	12000	16000	20000	24000	32000	40000
Textile width	BG	mm	30	60	90	120	150	180	240	300
Textile size	SGB	mm	7	7	7	8	8	8	9	9
Weight per first metre		kg	0,763	1,434	2,015	3,127	3,525	4,771	7,299	8,45
Effective length	NL	m	2	2	2	2	2	2	2	2
Reference no.			491507	491513	491519	491525	491531	491537	491543	491549
Effective length	NL	m	3	3	3	3	3	3	3	3
Reference no.			491508	491514	491520	491526	491532	491538	491544	491550
Effective length	NL	m	4	4	4	4	4	4	4	4
Reference no.			491509	491515	491521	491527	491533	491539	491545	491551
Effective length	NL	m	5	5	5	5	5	5	5	5
Reference no.			491510	491516	491522	491528	491534	491540	491546	491552
Effective length	NL	m	6	6	6	6	6	6	6	6
Reference no.			491511	491517	491523	491529	491535	491541	491547	491553
Effective length	NL	m	8	8	8	8	8	8	8	8
Reference no.			491512	491518	491524	491530	491536	491542	491548	491554

- ▶ Handy set of common lifting straps
- ▶ Material: Polyester

Technical data

- ▶ **Standard:** DIN EN 1492-1
- ▶ **Safety factor:** 7
- ▶ **Identification mark:** Imprinted working load limit



Polytex® lifting strap set 1 t-3 t

Set of 14 two-layer lifting straps with reinforced and tapered loops.

Components	2 pieces: 1 t / 2 m
	2 pieces: 1 t / 3 m
	4 pieces: 2 t / 2 m
	4 pieces: 2 t / 4 m
	2 pieces: 3 t / 3 m
Reference no.	474283

- ▶ Handy set of common lifting straps
- ▶ Material: Polyester

Technical data

- ▶ **Standard:** DIN EN 1492-1
- ▶ **Safety factor:** 7
- ▶ **Identification mark:** Imprinted working load limit



Polytex® lifting strap set 2 t-4 t

Set of 16 two-layer lifting straps with reinforced and tapered loops.

Components	4 pieces: 2 t / 2 m
	4 pieces: 2 t / 4 m
	2 pieces: 3 t / 3 m
	2 pieces: 3 t / 4 m
	4 pieces: 4 t / 4 m
Reference no.	474293

New

- ▶ **Easy handling: light and flexible**
- ▶ **Long service life: wear-resistant and corrosion-free**
- ▶ **Operating temperature: -40 °C to +70 °C**
- ▶ **Material: Dyneema®**
- ▶ **WLL: 10 t to 100 t**

Technical data

- ▶ **Standard:** On the basis of DIN EN 1492-4
- ▶ **Safety factor:** 7
- ▶ **Manufacturing tolerance:** ½ rope diameter in the length

Options on request

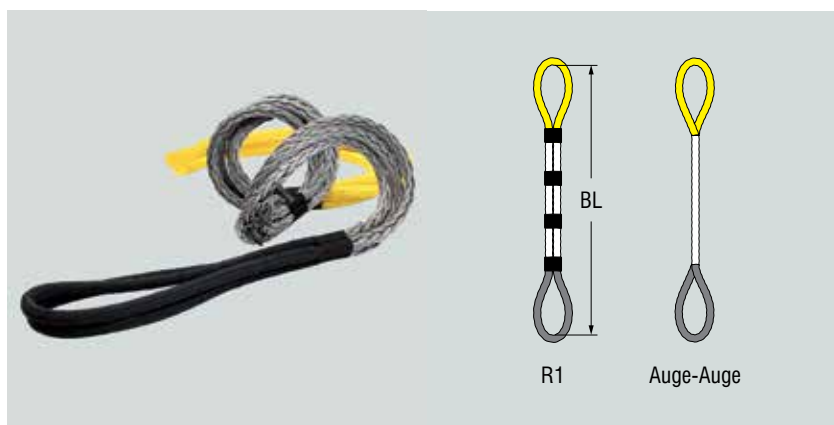
- ▶ Individual eye size, application-specific lengths and multi-leg suspension gear

Updraft® CustomSling

Updraft® CustomSlings easily hook even the heaviest loads, are made exactly to measure and meet precision standards beyond all norms.

They are technically far superior to conventional polyester slings and offer everything heavy and hard steel wire rope slings can, while remaining light and flexible.

Updraft® CustomSlings provide textile handling-characteristics which means far less risk of injury. In most cases they can be handled without auxiliary equipment.















WLL direct		kg	10000	20000	30000	40000	50000	60000	70000	80000	90000	100000
Type			R1	R1	R1	R1	R1	R1	R1	R1	R1	R1
Rope diameter	ds	mm	20	32	38	44	52	56	64	76	84	88
Weight per first metre		kg	1,9	6,1	9,7	16,8	24	31,7	41,7	58,8	79,8	93,1
Weight per further meter		kg	0,5	1,1	1,7	2,4	3,2	3,6	4,5	5,4	6,4	7,1
Basic length	BL	m	2	2	2	-	-	-	-	-	-	-
Effective length	NL		373035	-	-	-	-	-	-	-	-	-
Basic length	BL	m	-	3	3	3	3	3	3	-	-	-
Effective length	NL		-	373401	373403	-	-	-	-	-	-	-
Basic length	BL	m	-	-	-	4	4	4	4	4	4	-
Effective length	NL		-	-	-	373404	373407	-	-	-	-	-
Basic length	BL	m	-	-	-	-	-	5	5	5	5	5
Effective length	NL		-	-	-	-	-	373409	373410	-	-	-
Basic length	BL	m	-	-	-	-	-	-	-	6	6	6
Effective length	NL		-	-	-	-	-	-	-	373411	-	-
Basic length	BL	m	-	-	-	-	-	-	-	-	7	7
Effective length	NL		-	-	-	-	-	-	-	-	373415	373416

WLL direct		kg	10000	20000	30000	40000	50000	60000	70000	80000	90000	100000
Type			Eye-eye	Eye-eye	Eye-eye	Eye-eye	Eye-eye	Eye-eye	Eye-eye	Eye-eye	Eye-eye	Eye-eye
Rope diameter	ds	mm	28	40	52	60	76	84	92	100	104	112
Weight per first metre		kg	3,2	8,1	17,4	26	42,2	56,8	73,7	96,7	105,8	133,8
Weight per further meter		kg	0,4	1	1,6	2	2,7	3,2	3,9	4,6	4,9	5,8
Basic length	BL	m	-	-	-	-	3	3	3	3	3	3
Effective length	NL		373438	373441	-	-	-	-	-	-	-	-
Basic length	BL	m	-	-	-	-	-	-	4	4	4	-
Effective length	NL		-	-	373442	-	-	-	-	-	-	-
Basic length	BL	m	5	-	-	-	-	-	-	5	5	5
Effective length	NL		-	-	-	373443	-	-	-	-	-	-
Basic length	BL	m	-	-	-	-	-	-	6	6	6	-
Effective length	NL		-	-	-	-	373446	-	-	-	-	-
Basic length	BL	m	7	7	7	7	-	-	-	-	-	7
Effective length	NL		-	-	-	-	-	373448	373450	-	-	-
Basic length	BL	m	-	-	-	-	-	-	-	8	8	8
Effective length	NL		-	-	-	-	-	-	-	373451	373452	-
Basic length	BL	m	-	-	-	-	-	-	-	-	-	9
Effective length	NL		-	-	-	-	-	-	-	-	-	373454
Basic length	BL	m	7	7	7	7	7	-	-	-		
Basic length	BL	m	8	8	8	-						
Basic length	BL	m	9	9								

Updraft® CustomSlings are individually made for specific application cases. Precise application information is required. Let us advise you.

Product range overview – Fibre Tech Textile Chain sling

1-leg		2-leg		4-leg	
	Standard hook			Standard hook	
	Standard hook, can be shortened			Standard hook, can be shortened	
					Standard hook
					
					Standard hook, can be shortened
					

- ▶ Up to 8x lighter than steel chains
- ▶ Extremely resistant to acids, caustic solutions, petrol and oils
- ▶ Very good UV resistance
- ▶ No damage to load and cargo
- ▶ Pleasant handling

Note on the configuration of textile chains

A distance of at least 5 chain links must be provided between the suspension ring and the shortening hook.

In the shortened state there must also be at least 5 chain links between the shortener and the hook at the load end.

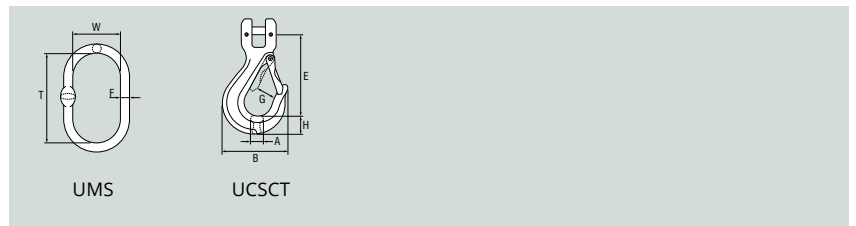
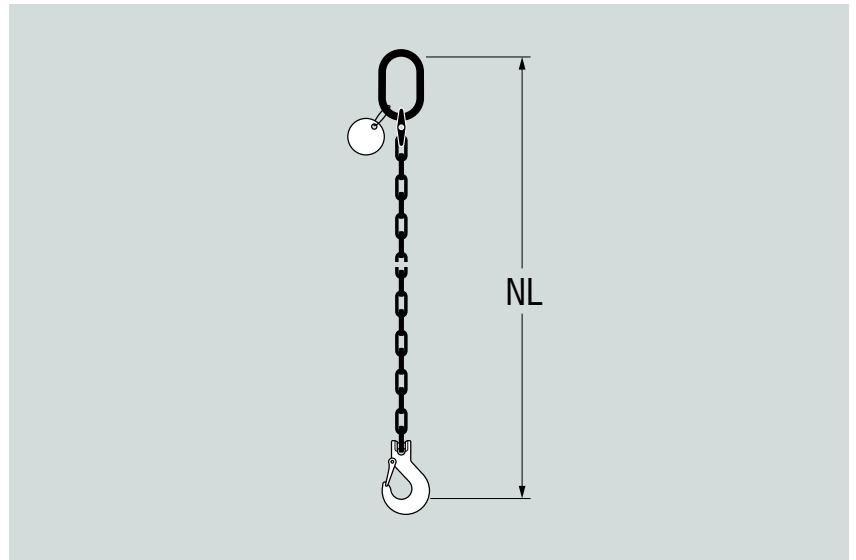
- ▶ Extremely light and flexible
- ▶ Operating temperature:
-40 °C to +70 °C
- ▶ WLL: 2,6 t to 6,8 t

Technical data

- ▶ **Shortening:** cannot be shortened
- ▶ **Legs Quantity:** single-line

Fibre Tech textile chain sling, single-leg

Textile chain sling for single leg attachment.



WLL direct	↓	kg	2600	4000	5000	6800
Chain link length internal		mm	100	100	100	125
Number of chain links per meter		pcs	10	10	10	8
Weight per first metre		kg	2,146	3,666	4,014	6,155
Effective length	NL	m	1	1	1	1
Reference no.			504147	504152	504157	504162
Effective length	NL	m	1,5	1,5	1,5	1,5
Reference no.			504148	504153	504158	504163
Effective length	NL	m	2	2	2	2
Reference no.			504149	504154	504159	504164
Effective length	NL	m	3	3	3	3
Reference no.			504150	504155	504160	504165
Effective length	NL	m	4	4	4	4
Reference no.			504151	504156	504161	504166
Component suspension						
Type			UMS	UMS	UMS	UMS
Clear height	T	mm	135	170	170	190
Clearance	W	mm	75	90	90	105
Ring cross-sectional diameter	F	mm	18	22	22	25
End fitting						
Type			UCSCT	UCSCT	UCSCT	UCSCT
Hook base height	H	mm	24	29	35	39
Hook thickness	A	mm	20	24	29	32
Hook opening width	G	mm	30	33	37	37

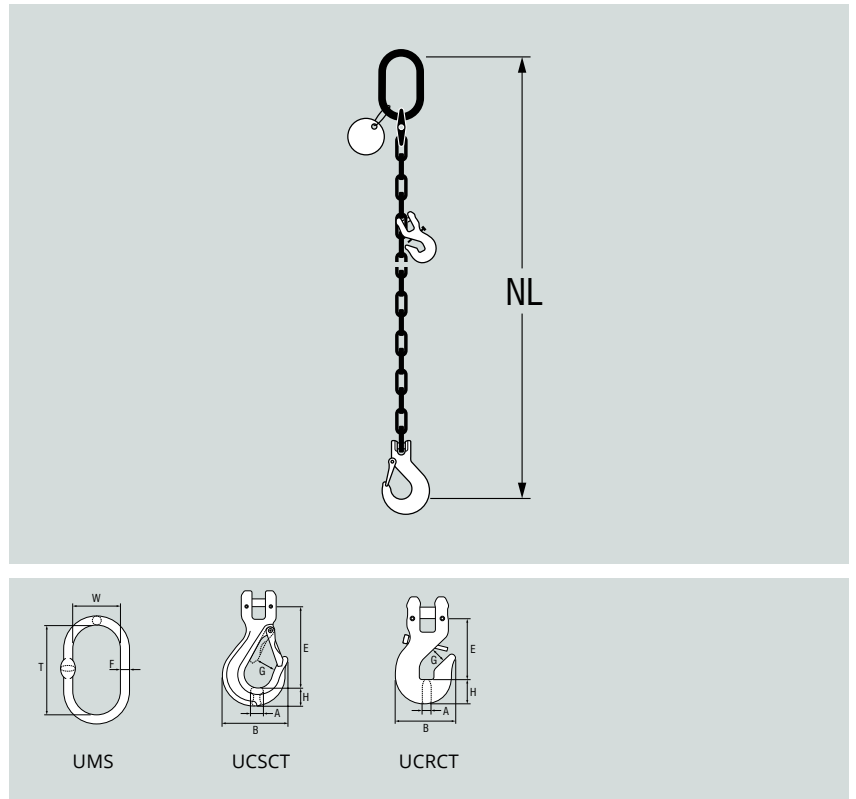
- ▶ Extremely light and flexible
- ▶ Operating temperature:
-40 °C to +70 °C
- ▶ WLL: 2,6 t to 6,8 t

Technical data

- ▶ **Shortening:** can be shortened
- ▶ **Legs Quantity:** single-line

Fibre Tech textile chain sling, single-leg can be shortened

Textile chain sling with shortener for single leg attachment.



WLL direct	↓	kg	2600	4000	5000	6800
Chain link length internal		mm	100	100	100	125
Number of chain links per meter		pcs	10	10	10	8
Weight per first metre		kg	3,098	5,338	7,042	9,65
Effective length	NL	m	1	1	1	-
Reference no.			504167	504172	504177	-
Effective length	NL	m	1,5	1,5	1,5	1,5
Reference no.			504168	504173	504178	504182
Effective length	NL	m	2	2	2	2
Reference no.			504169	504174	504179	504183
Effective length	NL	m	3	3	3	3
Reference no.			504170	504175	504180	504184
Effective length	NL	m	4	4	4	4
Reference no.			504171	504176	504181	504185
Component suspension						
Type			UMS	UMS	UMS	UMS
Clear height	T	mm	135	170	170	190
Clearance	W	mm	75	90	90	105
Ring cross-sectional diameter	F	mm	18	22	22	25
Component shortening						
Type			UCRCT	UCRCT	UCRCT	UCRCT
End fitting						
Type			UCSCT	UCSCT	UCSCT	UCSCT
Hook base height	H	mm	24	29	35	39
Hook thickness	A	mm	20	24	29	32
Hook opening width	G	mm	30	33	37	37

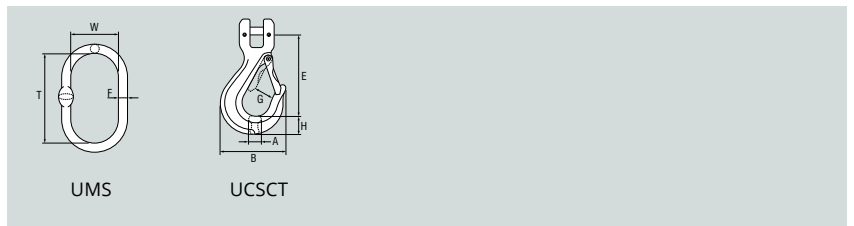
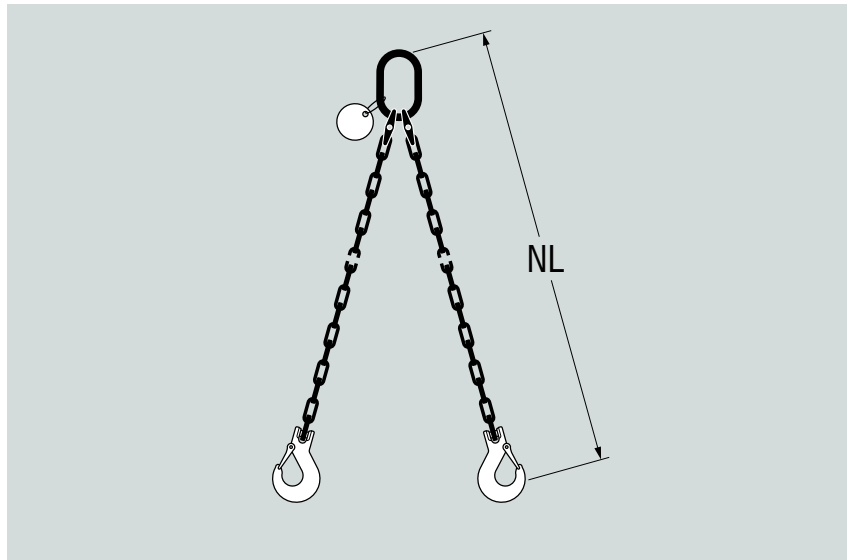
- ▶ Extremely light and flexible
- ▶ Operating temperature:
-40 °C to +70 °C
- ▶ WLL: 3,69 t to 9,6 t



Technical data

- ▶ **Shortening:** cannot be shortened
- ▶ **Legs Quantity:** 2-leg
- ▶ **Structural element surface:** Painted blue

Fibre Tech textile chain sling, 2-leg

Textile chain sling for 2-leg attachment.



WLL direct 0-45°		kg	3690	5650	7000	9600
WLL direct 45-60°		kg	2600	4000	5000	6800
Chain link length internal		mm	100	100	100	125
Number of chain links per meter		pcs	10	10	10	8
Weight per first metre		kg	3,352	5,722	7,778	10
Effective length	NL	m	1	1	1	1
Reference no.			504186	504191	504196	504201
Effective length	NL	m	1,5	1,5	1,5	1,5
Reference no.			504187	504192	504197	504202
Effective length	NL	m	2	2	2	2
Reference no.			504188	504193	504198	504203
Effective length	NL	m	3	3	3	3
Reference no.			504189	504194	504199	504204
Effective length	NL	m	4	4	4	4
Reference no.			504190	504195	504200	504205
Component suspension						
Type			UMS	UMS	UMS	UMS
Clear height	T	mm	135	170	170	190
Clearance	W	mm	75	90	90	105
Ring cross-sectional diameter	F	mm	18	22	22	25
End fitting						
Type			UCSCT	UCSCT	UCSCT	UCSCT
Hook base height	H	mm	24	29	35	39
Hook thickness	A	mm	20	24	29	32
Hook opening width	G	mm	30	33	37	37

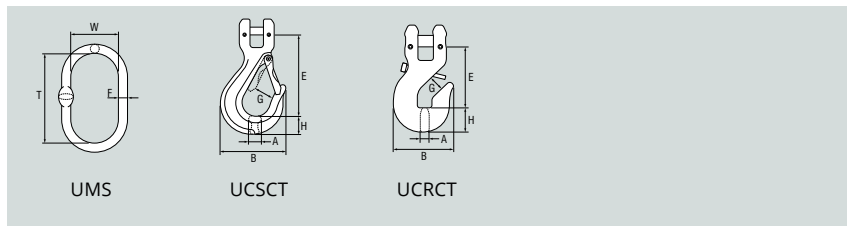
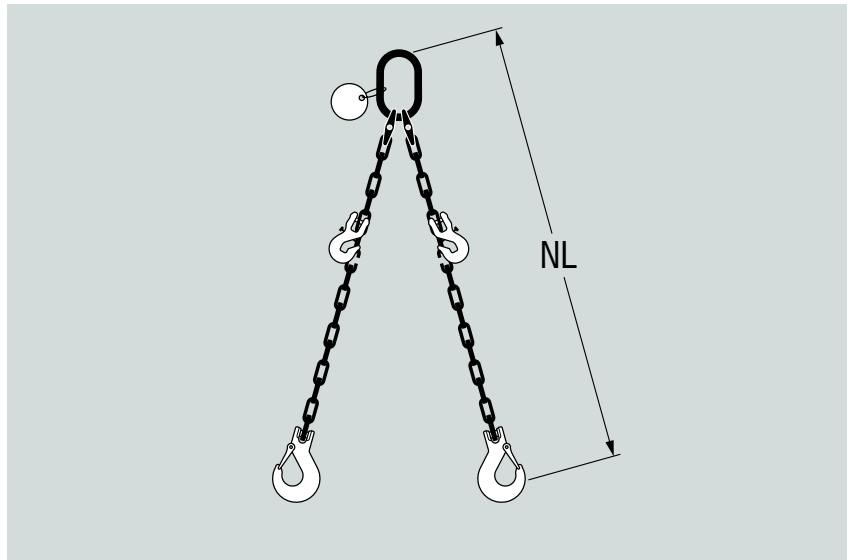
- ▶ Extremely light and flexible
- ▶ Operating temperature:
-40 °C to +70 °C
- ▶ WLL: 3,69 t to 9,6 t



Technical data

- ▶ **Shortening:** can be shortened
- ▶ **Legs Quantity:** 2-leg
- ▶ **Structural element surface:** Painted blue

Fibre Tech textile chain sling, 2-leg can be shortened

Textile chain sling with shortener for 2-leg attachment.



WLL direct 0-45°		kg	3690	5650	7000	9600
WLL direct 45-60°		kg	2600	4000	5000	6800
Chain link length internal		mm	100	100	100	125
Number of chain links per meter		pcs	10	10	10	8
Weight per first metre		kg	5,256	8,506	12,474	20,975
Effective length	NL	m	1	1	1	-
Reference no.			504206	504211	504216	-
Effective length	NL	m	1,5	1,5	1,5	1,5
Reference no.			504207	504212	504217	504221
Effective length	NL	m	2	2	2	2
Reference no.			504208	504213	504218	504222
Effective length	NL	m	3	3	3	3
Reference no.			504209	504214	504219	504223
Effective length	NL	m	4	4	4	4
Reference no.			504210	504215	504220	504224
Component suspension						
Type			UMS	UMS	UMS	UMS
Clear height	T	mm	135	170	170	190
Clearance	W	mm	75	90	90	105
Ring cross-sectional diameter	F	mm	18	22	22	25
Component shortening						
Type			UCRCT	UCRCT	UCRCT	UCRCT
End fitting						
Type			UCSCT	UCSCT	UCSCT	UCSCT
Hook base height	H	mm	24	29	35	39
Hook thickness	A	mm	20	24	29	32
Hook opening width	G	mm	30	33	37	37

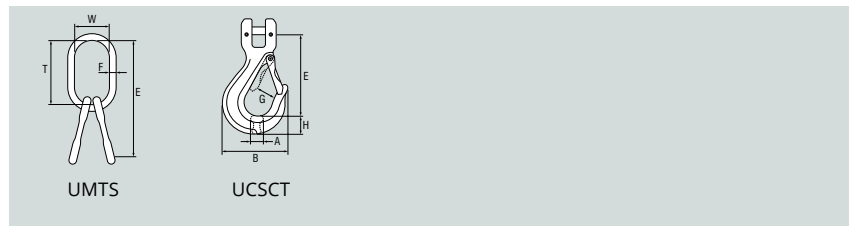
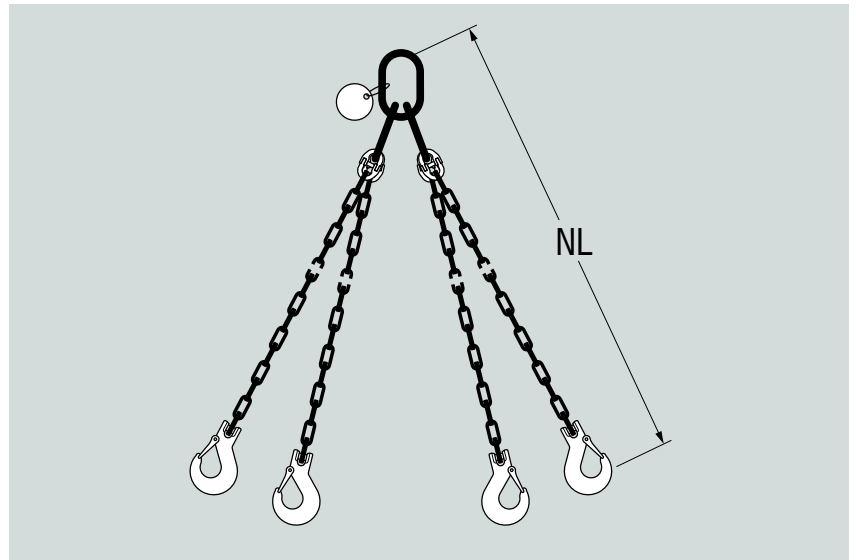
- ▶ Extremely light and flexible
- ▶ Operating temperature:
-40 °C to +70 °C
- ▶ WLL: 5,5 t to 14,2 t



Technical data

- ▶ **Shortening:** cannot be shortened
- ▶ **Legs Quantity:** 4-leg
- ▶ **Structural element surface:** Painted blue

Fibre Tech textile chain sling, 4-leg

Textile chain sling for 4-leg attachment.



WLL direct 0-45°		kg	5500	8500	10500	14200
WLL direct 45-60°		kg	3900	6000	7500	10200
Chain link length internal		mm	100	100	100	125
Number of chain links per meter		pcs	10	10	10	8
Weight per first metre		kg	7,726	12,708	14,012	24,5
Effective length	NL	m	1	1	1	1
Reference no.			504225	504230	504235	504240
Effective length	NL	m	1,5	1,5	1,5	1,5
Reference no.			504226	504231	504236	504241
Effective length	NL	m	2	2	2	2
Reference no.			504227	504232	504237	504242
Effective length	NL	m	3	3	3	3
Reference no.			504228	504233	504238	504243
Effective length	NL	m	4	4	4	4
Reference no.			504229	504234	504239	504244
Component suspension						
Type			UMTS	UMTS	UMTS	UMTS
Clear height	T	mm	170	210	210	270
Clearance	W	mm	90	115	115	150
Ring cross-sectional diameter	F	mm	22	28	28	36
End fitting						
Type			UCSCT	UCSCT	UCSCT	UCSCT
Hook base height	H	mm	24	29	35	39
Hook thickness	A	mm	20	24	29	32
Hook opening width	G	mm	30	33	37	37

- ▶ Extremely light and flexible
- ▶ Operating temperature:
-40 °C to +70 °C
- ▶ WLL: 5,5 t to 14,2 t

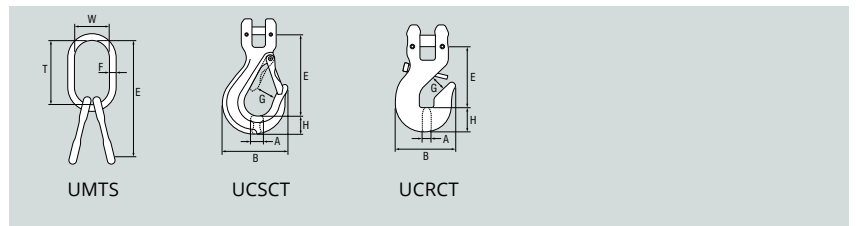
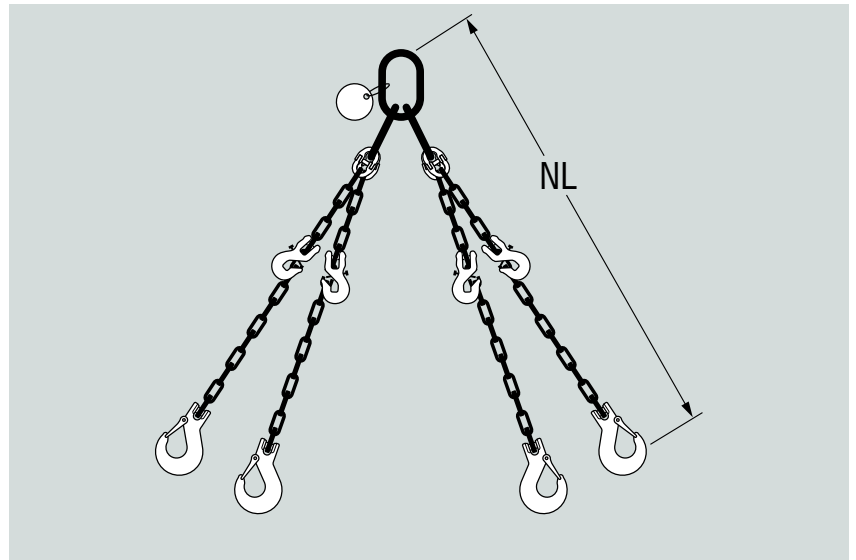
Technical data



- ▶ **Shortening:** can be shortened
- ▶ **Legs Quantity:** 4-leg
- ▶ **Structural element surface:** Painted blue

Fibre Tech textile chain sling, 4-leg can be shortened

Textile chain sling with shortener for 4-leg attachment.

New



WLL direct 0-45°		kg	5500	8500	10500	14200
WLL direct 45-60°		kg	3900	6000	7500	10200
Chain link length internal		mm	100	100	100	125
Number of chain links per meter		pcs	10	10	10	8
Weight per first metre		kg	11,534	19,396	26,124	38,48
Effective length	NL	m	1	1	1	-
Reference no.			504245	504250	504255	-
Effective length	NL	m	1,5	1,5	1,5	1,5
Reference no.			504246	504251	504256	504260
Effective length	NL	m	2	2	2	2
Reference no.			504247	504252	504257	504261
Effective length	NL	m	3	3	3	3
Reference no.			504248	504253	504258	504262
Effective length	NL	m	4	4	4	4
Reference no.			504249	504254	504259	504263
Component suspension						
Type			UMTS	UMTS	UMTS	UMTS
Clear height	T	mm	170	210	210	270
Clearance	W	mm	90	115	115	150
Ring cross-sectional diameter	F	mm	22	28	28	36
Component shortening						
Type			UCRCT	UCRCT	UCRCT	UCRCT
End fitting						
Type			UCSCT	UCSCT	UCSCT	UCSCT
Hook base height	H	mm	24	29	35	39
Hook thickness	A	mm	20	24	29	32
Hook opening width	G	mm	30	33	37	37

Edge protection and abrasion protection systems

Attachment devices and the load are particularly stressed where they come into contact with each other. Edge protection and abrasion protection systems extend the service life of the attachment device or lashing equipment and protect the load.

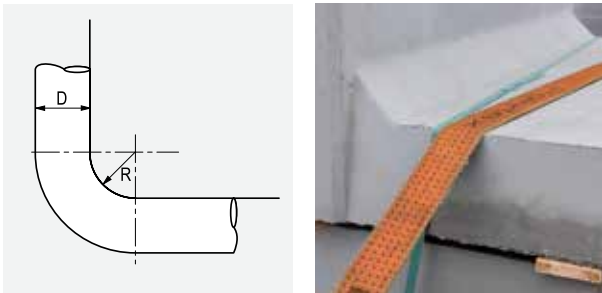
In addition, further application possibilities for textile attachment devices are opened up that were previously reserved only for sturdy steel chains.

Edge protection is mandatory with sharp edges.

An edge is considered to be sharp when the edge radius R of the load is less than

- the thickness of the lashing strap
- the diameter of the rope
- the thickness of the lifting strap or the round sling
- the nominal thickness of the round steel chain

See also German Statutory Accident Insurance regulation DGUV 109-017 or the applicable national regulations.



Please note:

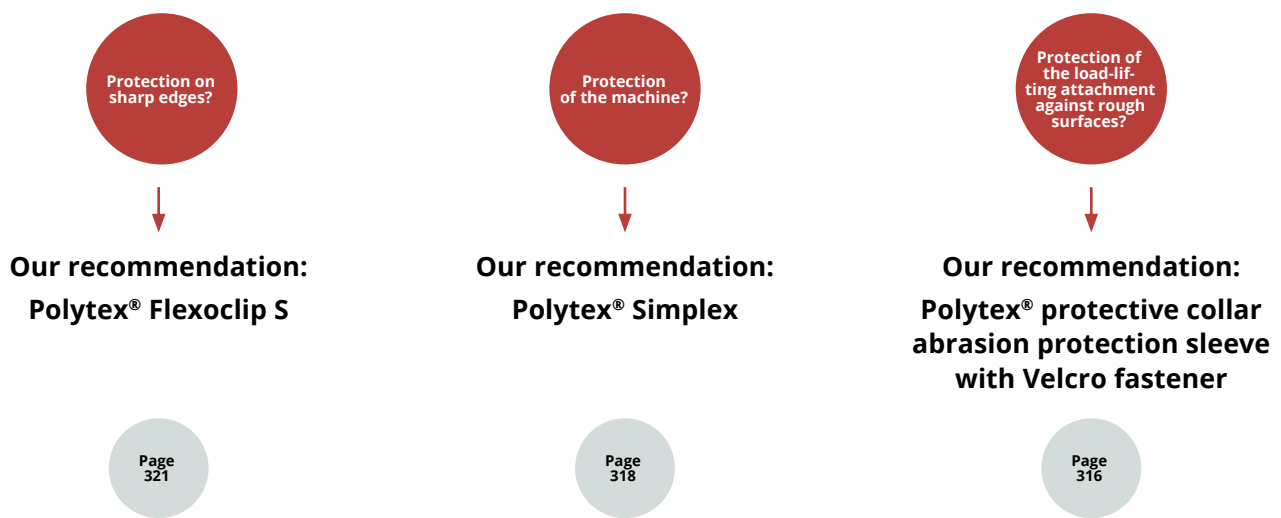
Simple underlays such as fire hoses are no substitute for edge protection!

If you are not sure whether an edge is sharp or not, use an edge protector as a precaution.

Selection aid: Which edge or abrasion protector is the right one for my application?

Question:

What is to be protected?



Assortment overview

		Suitable for				
		Round sling	Lifting strap	Chain/rope	Lashing strap	See page
Edge protection systems	HMPE edge protection sleeve	✓	✓	-	✓	314
	HMPE edge protector	✓	✓	-	✓	315
	HMPE edge protection collar	✓	✓	-	-	316
	Duplex edge protection sleeve	✓	✓	-	✓	317
	Simplex edge protection sleeve	✓	✓	-	✓	318
	Flexoclip edge protection sleeve	✓	✓	-	✓	321
	Edge protection profile for chain and rope	-	-	✓	-	323
	Edge protection sleeve for chain and rope	-	-	✓	-	324
	Edge protection profile for lashing chain	-	-	✓	-	528
	Edge protection plate and ratchet underlay	-	-	-	✓	529
	Steel edge protection profile	-	-	-	✓	530
	Edge protector with magnet	Observe width/weight	Observe width/weight	-	✓	312
	Edge protector with joint	Observe width/weight	Observe width/weight	-	✓	312
	Heavy duty edge protector	Observe width/weight	Observe width/weight	-	✓	313
	Edge protection profile, black	Observe width	Observe width	-	✓	529
Edge protection profile, plastic	Observe width	Observe width	-	✓	530	
Double bridge edge protection rail	-	-	-	✓	528	
Abrasion protection systems	Abrasion protection sleeve, 1-leg	✓	✓	-	✓	321
	Abrasion protection sleeve, 2-leg	✓	✓	-	✓	322
	Leather abrasion protection collar with Velcro fastener	✓	✓	-	✓	324
	Abrasion protection collar with Velcro fastener	✓	✓	-	✓	324

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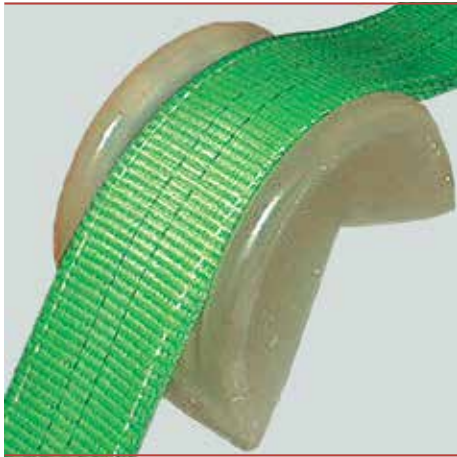
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- ▶ For round slings and lifting straps
- ▶ Operating temperature:
0 °C to +70 °C
- ▶ Material: Polyurethane



Edge protectors with magnet

Edge protectors made of wear-resistant polyurethane with magnetic attachment for easy positioning, for protection of lifting straps, round slings and lashing straps against damage and premature wear.

The edge protector is particularly suitable for lifting extremely sharp-edged loads e.g. sheet metal coils.

for round slings WLL max	kg	1000	4000	6000	8000
for lifting belt width max	mm	40	65	100	125
Quantity of magnets	pcs	2	2	4	4
Weight approx.	kg	0,8	1	1,5	1,6
Reference no.		155233	155234	155235	155236

for round slings WLL max	kg	10000	-	-	
for lifting belt width max	mm	150	200	300	
Quantity of magnets	pcs	4	6	8	
Weight approx.	kg	1,9	2,6	3,5	
Reference no.		155237	155238	155239	

- ▶ Operating temperature:
0 °C to +70 °C
- ▶ Material: Polyurethane



Edge protectors with joint and magnet

Edge protectors made of wear-resistant polyurethane with joint and magnetic holder for easy positioning, especially for protection of lifting straps against damage and premature wear.

The edge protector is used wherever right-angled attachment is not possible.

for round slings WLL max	kg	2000	5000	8000	-
for lifting belt width max	mm	60	90	150	300
Quantity of magnets	pcs	2	2	4	8
Weight approx.	kg	1	1,3	2,7	6,3
Reference no.		217488	217489	217490	217491

- ▶ For round slings and lifting straps
- ▶ Operating temperature:
0 °C to +70 °C
- ▶ Material: Steel and polyurethane



Heavy duty edge protector

Heavy duty edge protectors with magnetic bracket for simple positioning, particularly for protection of round slings against damage and premature wear.

The continuous 6 mm steel core offers optimal protection and stability even with heavy loads.

for round slings WLL max	kg	1000	4000	6000	8000
for lifting belt width max	mm	30	60	90	120
Quantity of magnets	pcs	2	2	2	4
Weight approx.	kg	0,85	1,2	1,6	2,05
Reference no.		217493	217494	217495	217496

for round slings WLL max	kg	10000	20000	40000	50000
for lifting belt width max	mm	150	180	240	300
Quantity of magnets	pcs	4	4	6	8
Weight approx.	kg	2,5	2,8	3,6	4,4
Reference no.		217497	217498	217499	217500

- ▶ Light and elastic
- ▶ Material: HMPE



HMPE edge protection sleeve

Edge protection sleeve made of flexible, lightweight HMPE material for protection of lifting straps, round slings and lashing straps against damage and premature wear.

The sleeve offers high edge stability and abrasion resistance and so can be used for many safe lifting procedures.

for round slings WLL max		kg	2000	4000	6000	10000
for lifting belt width max		mm	50	60	100	120
for lifting belt width min		mm	30	60	90	120
Clearance	W	mm	65	75	115	125
Packing quantity		Pk	1	1	1	1
Weight approx.		kg	0,258	0,28	0,425	0,45
Effective length	NL	m	0,5	0,5	0,5	0,5
Reference no.			504285	504282	504279	504276
Effective length	NL	m	1	1	1	1
Reference no.			504286	504283	504280	504277
Effective length	NL	m	2	2	2	2
Reference no.			504287	504284	504281	504278

for round slings WLL max		kg	20000	30000	40000	50000
for lifting belt width max		mm	150	180	240	300
for lifting belt width min		mm	150	180	240	300
Clearance	W	mm	175	220	275	335
Packing quantity		Pk	1	1	1	1
Weight approx.		kg	0,618	0,724	0,953	1,158
Effective length	NL	m	0,5	0,5	0,5	0,5
Reference no.			504273	504270	504267	504264
Effective length	NL	m	1	1	1	1
Reference no.			504274	504271	504268	504265
Effective length	NL	m	2	2	2	2
Reference no.			504275	504272	504269	504266

- ▶ **Extremely flexible**
- ▶ **Material: HMPE**



HMPE edge protector

HMPE edge protectors with four hook and loop strips for quick and secure positioning, for protection of lifting straps, round slings and lashing straps against damage and premature wear.

This edge protection ring offers high edge stability and abrasion resistance with extremely long service life and adapts ideally to the respective edge form.

for round slings WLL max		kg	15000	25000	40000	55000
for lifting belt width max		mm	150	180		250
Overall length	L	mm	500	600	800	800
Overall width	B	mm	155	185	230	285
Weight approx.		kg	0,7	1	1,8	2,2
Reference no.			240197	240198	240200	240201

for round slings WLL max		kg	65000	75000	100000	
for lifting belt width max		mm	300			
Overall length	L	mm	800	800	800	
Overall width	B	mm	345	370	540	
Weight approx.		kg	3,9	4,2	5,5	
Reference no.			240202	240203	240206	

- ▶ Light yet extremely robust
- ▶ Material: HMPE



HMPE edge protection collar

HMPE edge protection collar with Velcro fastener for rapid and secure positioning and flexible all-round protection of lifting straps, round slings and lashing straps against damage and premature wear.

This edge protection ring offers high edge stability and abrasion resistance with extremely long service life and adapts ideally to the respective edge form.

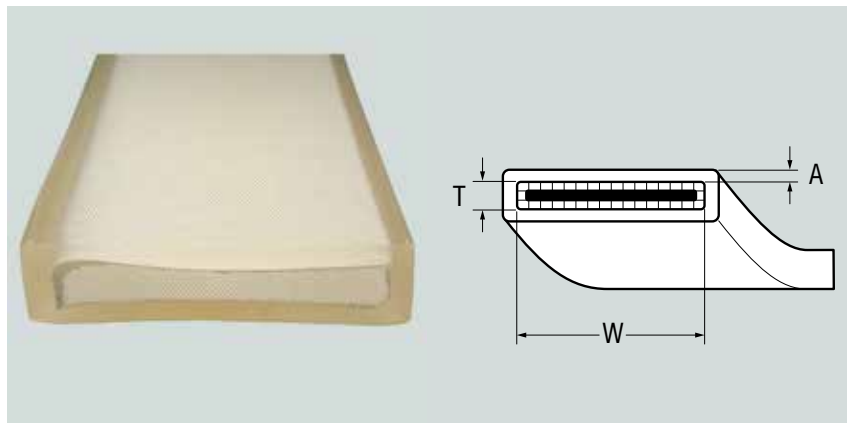
for round slings WLL max		kg	2000	4000	6000	8000
for lifting belt width max		mm	30	50	60	90
Clearance	W	mm	52	62	77	100
Weight approx.		kg	0,26	0,26	0,59	0,74
Standard usable length	NL	m	1	1	1	1
Reference no.			496050	496051	496052	496053

for round slings WLL max		kg	15000	30000	50000	80000
for lifting belt width max		mm	120	180	240	300
Clearance	W	mm	120	200	250	332
Weight approx.		kg	1	1,2	1,4	1,6
Standard usable length	NL	m	1	1	1	1
Reference no.			496054	496055	496056	496057

- ▶ **Less load slippage due to grippy surface**
- ▶ **Belt slides easily into protective hose**
- ▶ **Outstanding edge stability**
- ▶ **Operating temperature: 0 °C to +70 °C**
- ▶ **Material: Polyester and polyurethane**

Edge protection sleeve Duplex

Woven polyester sleeve, PU coated on all sides, particularly as all-round protection of single/two-layer lifting straps and round slings against damage and premature wear. these edge protection sleeves are distinguished by high structural, wear and tear resistance and very good elasticity, good chemical resistance and no ageing. Proven under the harshest conditions.

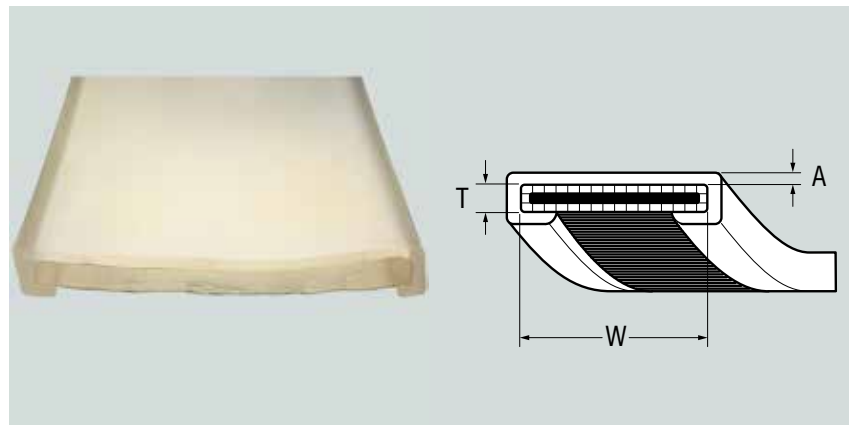


for round slings WLL max		kg	-	1000	2000/ 3000	-	4000/ 5000	6000/- 7000/- 8000	9000/ 10000	-	15000	20000
for 2-ply lifting strap width max.		mm	30	50	75	90	120	150	180	200	240	300
Sleeve wall thickness	A	mm	5	5	5	5	5	5	5	5	8	8
Clearance	W	mm	40	60	85	100	135	160	190	220	280	320
Standard usable length	NL	m	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2
Reference no.			496089	496096	496103	496110	496117	496124	496131	496138	496145	496152
Standard usable length	NL	m	0,4	0,4	0,4	0,4	0,4	0,4	0,4	0,4	0,4	0,4
Reference no.			496090	496097	496104	496111	496118	496125	496132	496139	496146	496153
Standard usable length	NL	m	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6
Reference no.			496091	496098	496105	496112	496119	496126	496133	496140	496147	496154
Standard usable length	NL	m	1	1	1	1	1	1	1	1	1	1
Reference no.			496092	496099	496106	496113	496120	496127	496134	496141	496148	496155
Standard usable length	NL	m	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5
Reference no.			496093	496100	496107	496114	496121	496128	496135	496142	496149	496156
Standard usable length	NL	m	2	2	2	2	2	2	2	2	2	2
Reference no.			496094	496101	496108	496115	496122	496129	496136	496143	496150	496157
Standard usable length	NL	m	4	4	4	4	4	4	4	4	4	4
Reference no.			496095	496102	496109	496116	496123	496130	496137	496144	496151	496158

- ▶ Less load slippage due to grippy surface
- ▶ Belt slides easily into protective hose
- ▶ Very good edge stability
- ▶ Operating temperature: 0 °C to +70 °C
- ▶ Material: Polyester and polyurethane

Edge protection sleeve Simplex

Woven polyester sleeve, PU coated on one side (including back bulge) particularly as all-round protection of single/two-layer lifting straps and round slings against damage and premature wear. these edge protection sleeves are distinguished by high structural, wear and tear resistance and very good elasticity, good chemical resistance and no ageing.



for round slings WLL max		kg	-	1000	2000/ 3000	-	4000/ 5000	6000/- 7000/- 8000	9000/ 10000	-	15000	20000
for 2-ply lifting strap width max.		mm	30	50	75	90	120	150	180	200	240	300
Sleeve wall thickness	A	mm	5	5	5	5	5	5	5	5	8	8
Clearance	W	mm	40	60	85	100	135	160	190	220	280	320
Standard usable length	NL	m	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2
Reference no.			496159	496166	496173	496180	496187	496194	496201	496208	496215	496222
Standard usable length	NL	m	0,4	0,4	0,4	0,4	0,4	0,4	0,4	0,4	-	0,4
Reference no.			496160	496167	496174	496181	496188	496195	496202	496209	-	496223
Standard usable length	NL	m	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6
Reference no.			496161	496168	496175	496182	496189	496196	496203	496210	496217	496224
Standard usable length	NL	m	1	1	1	1	1	1	1	1	1	1
Reference no.			496162	496169	496176	496183	496190	496197	496204	496211	496218	496225
Standard usable length	NL	m	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5
Reference no.			496163	496170	496177	496184	496191	496198	496205	496212	496219	496226
Standard usable length	NL	m	2	2	2	2	2	2	2	2	2	2
Reference no.			496164	496171	496178	496185	496192	496199	496206	496213	496220	496227
Standard usable length	NL	m	4	4	4	4	4	4	4	4	4	4
Reference no.			496165	496172	496179	496186	496193	496200	496207	496214	496221	496228

- ▶ Adapts flexibly to edge angle
- ▶ Operating temperature:
0 °C to +70 °C
- ▶ Material: Polyurethane

Edge protection profile for chain and rope

Polyurethane edge protection sleeve with round apertures for protection of textile sling gear and particularly of ropes or chains. The attachment device is drawn through the apertures. Point loads are hereby distributed over a surface.

The diameter of the attachment device should always be a few millimetres less than the diameter of the aperture. This guarantees that the attachment device can slide through the edge protection system.



for nominal rope Ø	mm	30	50
for nominal size of chain	mm	8	13
Weight approx.	kg	0,3	1
Reference no.		217501	217502

- ▶ Optimal force distribution
- ▶ Permits load turning with the use of chains or ropes
- ▶ Operating temperature: 0 °C to +70 °C
- ▶ Material: Polyurethane

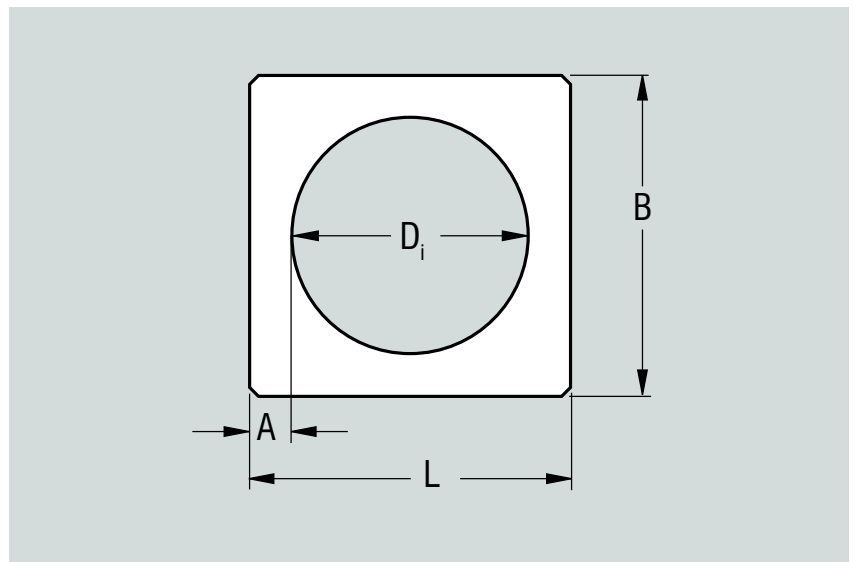
Edge protection sleeve for chain and rope

Transparent polyurethane edge protection sleeve with round aperture for protection of textile attachment devices and especially ropes or chains.

The edge protection sleeve is rectangular on the outside. This provides a greater contact surface for the load and the force distribution is optimised.

This edge protection sleeve is distinguished by high wear-resistance, extreme cutting resistance, very good elasticity, good chemical resistance and no ageing.

The diameter of the attachment device should always be a few millimetres less than the diameter of the aperture. This guarantees that the attachment device can slide through the edge protection system.



for nominal size of chain		mm	13	16	10	8	6
Sleeve wall thickness	A	mm	5	5	5	5	5
Standard usable length	NL	m	1	1	1	1	1
Reference no.			496045	496046	496047	496048	496049

- ▶ **Optimal protection of the attachment device and load**
- ▶ **Operating temperature: 0 °C to +70 °C**
- ▶ **Material: Polyurethane**

Edge protection sleeve Flexoclip

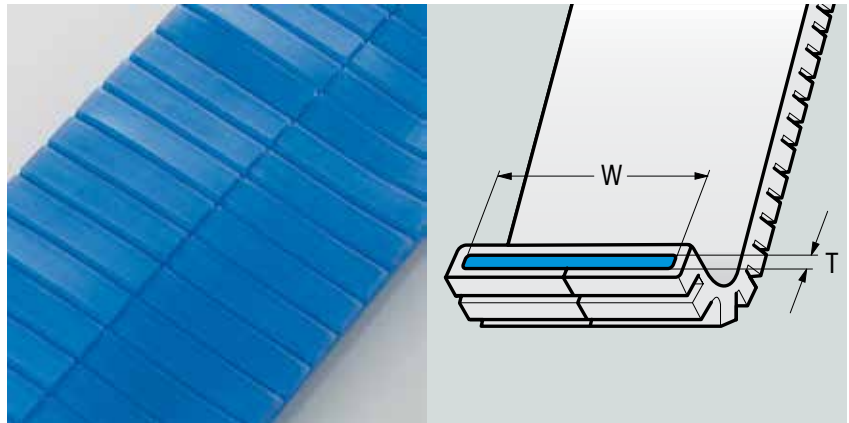
Extremely flexible, resistant and durable polyurethane edge protection sleeve for protection of lifting straps, round slings and lashing straps against damage and premature wear.

The innovative Flexoclip protective system enables the attachment device to slide through the edge protection sleeve, thus remaining automatically in top position and being protected from sharp edges, no slippage of the load in the sleeve!

The slotted ribs permit easy application and bending around an edge.

For later assembly the edge protection sleeve can be cut at the defined interface.

Also suitable for the securing of loads, internal coating guarantees optimal sliding of the harness strap.



for round slings WLL max		kg	-	1000	3000	4000	5000	6000
for lifting belt width max		mm	30	60	80	100	125	150
for lifting belt width min		mm	30	50	80	90	120	150
Clearance	W	mm	32	62	82	105	130	156
Standard usable length	NL	m	0,5	0,5	0,5	0,5	0,5	0,5
Reference no.			496058	496063	496071	496075	496080	496084
Standard usable length	NL	m	1	1	1	1	1	-
Reference no.			496059	496066	496072	496076	496081	-
Standard usable length	NL	m	1,5	1,5	1,5	1,5	1,5	1,5
Reference no.			496060	496068	496073	496077	496082	496086
Standard usable length	NL	m	2	2	2	2	2	2
Reference no.			496061	496069	496074	496078	496083	496087
Standard usable length	NL	m	4	4	-	4	-	4
Reference no.			496062	496070	-	496079	-	496088

- ▶ Light, smooth and kink-resistant
- ▶ Material: Polyester



Abrasion protection sleeve

Abrasion protection sleeve for round slings over one leg. The internally coated woven sleeve offers outstanding protection against material-wearing rough surfaces.

for round slings WLL max		kg	1000	2000	3000	4000	5000
Weight approx.		kg	0,044	0,056	0,056	0,07	0,07
Standard usable length	NL	m	0,2	0,2	0,2	0,2	0,2
Reference no.			496292	496299	496306	496313	496320
Standard usable length	NL	m	0,4	0,4	0,4	0,4	0,4
Reference no.			496293	496300	496307	496314	496321
Standard usable length	NL	m	0,6	0,6	0,6	0,6	0,6
Reference no.			496294	496301	496308	496315	496322
Standard usable length	NL	m	1	1	1	1	1
Reference no.			496295	496302	496309	496316	496323
Standard usable length	NL	m	1,5	1,5	1,5	1,5	1,5
Reference no.			496296	496303	496310	496317	496324
Standard usable length	NL	m	2	2	2	2	2
Reference no.			496297	496304	496311	496318	496325
Standard usable length	NL	m	4	4	4	4	4
Reference no.			496298	496305	496312	496319	496326

for round slings WLL max		kg	6000	8000	10000	15000
Weight approx.		kg	0,084	0,164	0,164	0,272
Standard usable length	NL	m	0,2	0,2	0,2	0,2
Reference no.			496327	496334	496341	496348
Standard usable length	NL	m	0,4	0,4	0,4	0,4
Reference no.			496328	496335	496342	496349
Standard usable length	NL	m	0,6	0,6	0,6	0,6
Reference no.			496329	496336	496343	496350
Standard usable length	NL	m	1	1	1	1
Reference no.			496330	496337	496344	496351
Standard usable length	NL	m	1,5	1,5	1,5	1,5
Reference no.			496331	496338	496345	496352
Standard usable length	NL	m	2	2	2	2
Reference no.			496332	496339	496346	496353
Standard usable length	NL	m	4	4	4	4
Reference no.			496333	496340	496347	496354

► **Material: Polyester**



Abrasion protection sleeve

Abrasion protection sleeve for round slings over both legs, lifting straps and lashing straps.

The internally coated woven sleeve offers outstanding protection against material-wearing rough surfaces.

for round slings WLL max		kg	-	1000	2000	3000	4000
for lifting belt width max		mm	25	30	60	80	90
Weight approx.		kg	0,008	0,044	0,056	0,07	0,084
Standard usable length	NL	m	0,2	0,2	0,2	0,2	0,2
Reference no.			496229	496236	496243	496250	496257
Standard usable length	NL	m	0,4	0,4	0,4	0,4	0,4
Reference no.			496230	496237	496244	496251	496258
Standard usable length	NL	m	0,6	0,6	0,6	0,6	0,6
Reference no.			496231	496238	496245	496252	496259
Standard usable length	NL	m	1	1	1	1	1
Reference no.			496232	496239	496246	496253	496260
Standard usable length	NL	m	1,5	1,5	1,5	1,5	1,5
Reference no.			496233	496240	496247	496254	496261
Standard usable length	NL	m	2	2	2	2	2
Reference no.			496234	496241	496248	496255	496262
Standard usable length	NL	m	4	4	4	4	4
Reference no.			496235	496242	496249	496256	496263

for round slings WLL max		kg	6000	8000	20000	30000
for lifting belt width max		mm	120	150	180	300
Weight approx.		kg	0,164	0,272	0,22	0,544
Standard usable length	NL	m	0,2	0,2	0,2	0,2
Reference no.			496264	496271	496278	496285
Standard usable length	NL	m	0,4	0,4	0,4	0,4
Reference no.			496265	496272	496279	496286
Standard usable length	NL	m	0,6	0,6	0,6	0,6
Reference no.			496266	496273	496280	496287
Standard usable length	NL	m	1	1	1	1
Reference no.			496267	496274	496281	496288
Standard usable length	NL	m	1,5	1,5	1,5	1,5
Reference no.			496268	496275	496282	496289
Standard usable length	NL	m	2	2	2	2
Reference no.			496269	496276	496283	496290
Standard usable length	NL	m	4	4	4	4
Reference no.			496270	496277	496284	496291

► Material: Leather



Leather abrasion protection collar

Leather abrasion protection collar made of robust, extremely flexible and sustainable leather with Velcro fastener for round slings over one leg and lifting straps for additional protection against rough abrasive surfaces.

for round slings WLL max		kg	2000	4000
for lifting belt width max		mm	60	90
Overall length	L	mm	300	300
Weight approx.		kg	0,121	0,145
Reference no.			147551	147552

► Material: Polyester



Abrasion protection collar

Abrasion protection collar with Velcro fastener made of robust polyester for round slings over one leg and lifting straps for additional protection against rough abrasive surfaces. The fully synthetic outer coating is particularly abrasion-resistant.

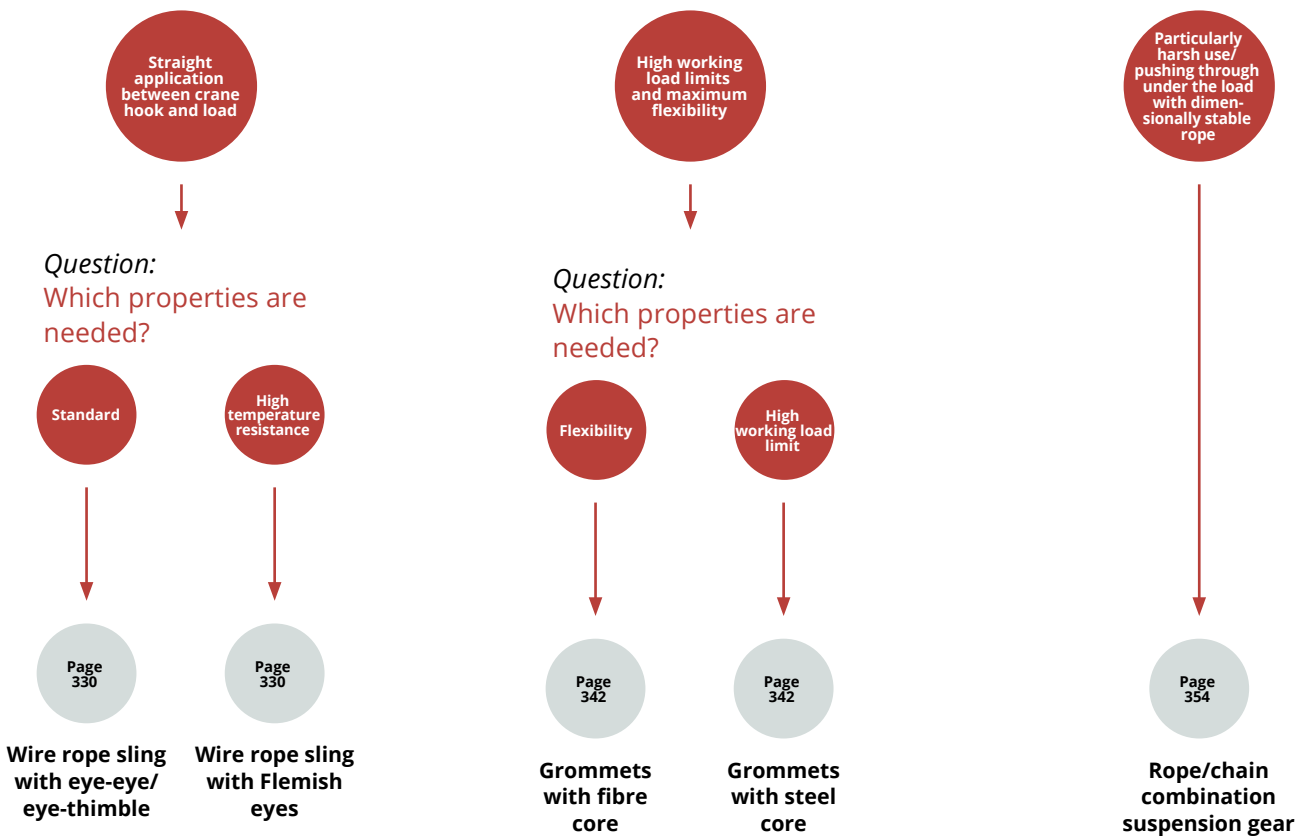
for round slings WLL max		kg	2000	4000
for lifting belt width max		mm	60	90
Overall length	L	mm	300	300
Weight approx.		kg	0,101	0,143
Reference no.			147555	147556

Wire rope slings

The name PFEIFER has stood for ropes for over 440 years. Even today, we manufacture, assemble and distribute highly specialised ropes worldwide, from elevator to crane ropes. This competence is also reflected in our EN 13414-compliant wire rope slings, which stand for quality, efficiency and versatility.

Selection aid: Which wire rope sling is the right one for my application?

Question:
 Which properties are needed?



We also test and carefully select the accessories.



These include oval rings, ring suspension gears, sliding hooks, load hooks, WLL identification tags and many other components. From page 347

Special solutions: We make it possible

We advise you and provide you quickly and simply with tailor-made solutions to suit your specific application.

Flexible, fully-fledged single and multi-leg suspension gears with large working load limits made of cable-laid ropes by integrating thimbles with hooks and rings.



Integrated eyes for grommets



Integrated thimbles for grommets



Combined rope/chain suspension gear for particularly rough use

**Any questions?
We'll be glad to advise you**

Germany

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Switzerland

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Luxembourg

+ 352-57 42 42


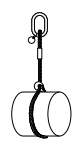



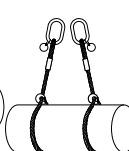

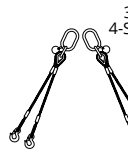
Working load limit table

according to EN 13414-1 + FSA recommendation



Please note: All working load limit capacity specifications apply exclusively to ropes sold by us. Only these ropes are also tested by us and recommended for use.

Round strand rope with fibre core

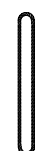
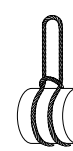
Press connection with aluminium clamp according to DIN 13411-3

Working load limits for wire rope slings in kg	Nominal rope Ø mm								
		single	strapped	0-45° see 1	> 45°-60° see 1 2	0-45° see 1	> 45°-60° see 1 2	0-45° see 1	> 45°-60° see 1 2
						strapped			
8	700	560	950	700	760	560	1 450	1 050	
10	1 000	800	1 400	1 000	1 100	800	2 100	1 500	
12	1 500	1 200	2 100	1 500	1 700	1 200	3 150	2 300	
14	2 000	1 600	2 800	2 000	2 250	1 600	4 200	3 000	
16	2 700	2 150	3 800	2 700	3 050	2 150	5 700	4 000	
18	3 150	2 500	4 400	3 150	3 500	2 500	6 600	4 700	
20	4 000	3 200	5 600	4 000	4 500	3 200	8 400	6 000	
22	5 000	4 000	7 000	5 000	5 600	4 000	10 500	7 500	
24	6 300	5 000	8 800	6 300	7 000	5 000	13 200	9 400	
26	7 000	5 600	9 800	7 000	7 800	5 600	14 700	10 500	
28	8 000	6 400	11 200	8 000	9 000	6 400	16 800	12 000	
32	11 000	8 800	15 000	11 000	12 000	8 800	23 000	16 500	
36	14 000	11 200	19 000	14 000	15 200	11 200	29 000	21 000	
40	17 000	13 600	23 500	17 000	18 200	13 600	36 000	26 000	
44	21 000	16 800	29 000	21 000	23 200	16 800	44 000	31 500	
48	25 000	20 000	35 000	25 000	28 000	20 000	52 000	37 000	


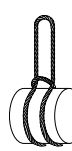
Flemish eye Round strand rope with steel core Press connection with steel ferrule

Working load limits for wire rope slings in kg	Nominal rope Ø mm		
		single	strapped
	8	750	600
10	1 150	920	
12	1 700	1 360	
14	2 250	1 800	
16	3 000	2 400	
18	3 700	2 960	
20	4 600	3 680	
22	5 650	4 520	
24	6 700	5 360	
26	7 800	6 240	
28	9 000	7 200	
32	11 800	9 440	
36	15 000	12 000	
40	18 500	14 800	

Endless cable-laid wire rope slings according to EN 13414-3 with fibre core Strength grade 1770 N/mm²

Working load limits for wire rope slings in kg	Nominal rope Ø mm		
		direct	strapped
	12	2 100	1 650
15	3 000	2 300	
18	4 300	3 300	
21	6 000	4 700	
24	7 700	6 000	
27	9 700	7 600	
30	11 500	9 000	
33	14 000	11 000	
36	16 500	13 000	
39	19 500	15 500	
42	22 500	18 000	
48	29 500	23 500	
54	37 200	30 000	
60	46 000	36 800	

with steel core Strength grade 1960 N/mm²

Working load limits for wire rope slings in kg	Nominal rope Ø mm		
		direct	strapped
	24	9 500	7 500
27	12 500	10 000	
30	15 000	12 000	
33	18 500	14 500	
36	21 500	17 000	
39	25 500	20 000	
42	29 600	23 500	
48	39 000	31 000	
54	49 000	39 000	
60	60 000	48 000	
66	75 000	60 000	
72	92 000	73 500	
78	112 000	89 500	
84	132 000	105 000	
90	158 000	126 000	
96	178 000	142 000	
102	216 000	172 000	
108	252 000	201 000	
114	290 000	232 000	
120	333 000	266 000	
126	380 000	304 000	
132	434 000	347 000	
144	560 000	448 000	
156	716 000	572 000	

Working load limits apply only to wire rope slings from PFEIFER

Notice on safe use

Observe operating temperatures according to EN 13414

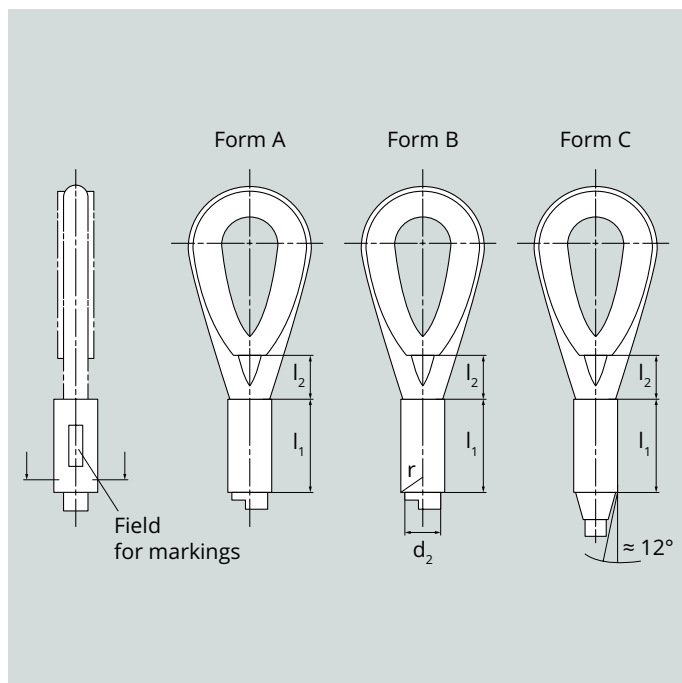
- -40 °C to 150 °C for ropes with steel core
- -40 °C to 100 °C for ropes with fibre core

Check ropes at the rope exit of the ferrule for wire breaks

Check the position of the dead rope end

- Form A and B: Closure with clamp edge or max. $\frac{1}{2}$ Drope protrusion
- Form C: Dead rope end terminates with clamp (sight opening for checking)

Observe edge protection



The clamp must not rest on edges
(impermissible bending stress)

Use edge and abrasion protection systems,
especially for sharp edges! (see page 528)

Take advantage of our services!

We support you with inspections for the safety and discarding time of your attachment devices.



Services

- ▶ Order scheduling
- ▶ Mobile and stationary Inspection Service
- ▶ Instant repairs
- ▶ Spare parts service
- ▶ Modern data management

Total range:

www.pfeifer.info/mobile-services



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+352 57 42-42

- ▶ **Surface:** galvanized
- ▶ **Suspension:** Eye
- ▶ **End fitting:** Eye
- ▶ **WLL:** 0,7 t to 33,5 t

Technical data

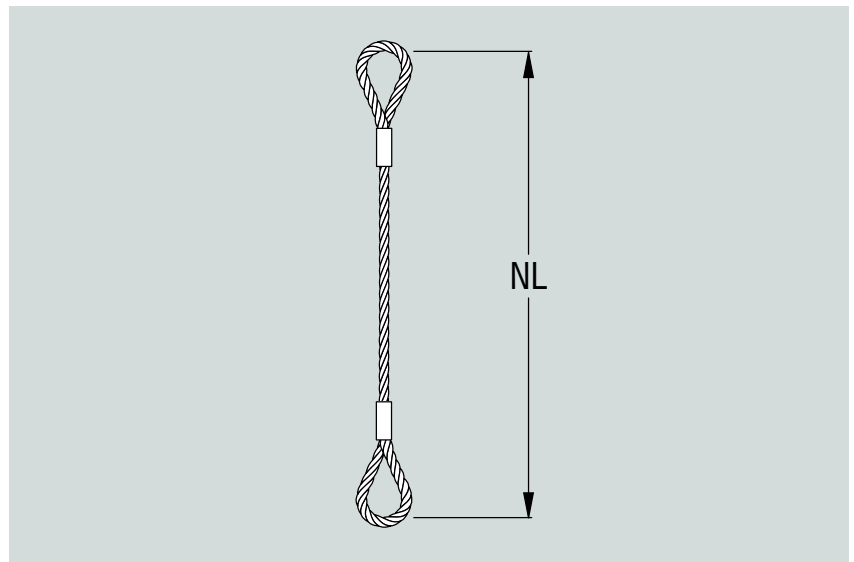
- ▶ **Operating temperature:** -40 °C to +100 °C;
reduced working load limit outside this range
- ▶ **Standard:** DIN EN 13414-1
- ▶ **Identification mark:** Carrying capacity stamped onto ferrule
- ▶ **Legs Quantity:** single-line

Options on request

- ▶ further useful lengths

Wire rope sling Single-leg with eye-eye

Single-leg wire rope sling with eyes for high working load limit with low dead weight and with attractive price-performance ratio. Galvanized version resists corrosion.



WLL direct		kg	700	1000	1500	2000	2700	3150	4000	5000	6300
Rope diameter	ds	mm	8	10	12	14	16	18	20	22	24
WLL strapped		kg	560	800	1200	1600	2150	2500	3200	4000	5000
Effective length	NL	m	0,5	-	-	-	-	-	-	-	-
Reference no.			188532	-	-	-	-	-	-	-	-
Effective length	NL	m	1	1	1	1	1	1	-	-	-
Reference no.			188533	188543	188553	188563	188573	188583	-	-	-
Effective length	NL	m	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5
Reference no.			188534	188544	188554	188564	188574	188584	188593	188602	188611
Effective length	NL	m	2	2	2	2	2	2	2	2	2
Reference no.			188535	188545	188555	188565	188575	188585	188594	188603	188612
Effective length	NL	m	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5
Reference no.			188536	188546	188556	188566	188576	188586	188595	188604	188613
Effective length	NL	m	3	3	3	3	3	3	3	3	3
Reference no.			188537	188547	188557	188567	188577	188587	188596	188605	188614
Effective length	NL	m	4	4	4	4	4	4	4	4	4
Reference no.			188538	188548	188558	188568	188578	188588	188597	188606	188615
Effective length	NL	m	5	5	5	5	5	5	5	5	5
Reference no.			188539	188549	188559	188569	188579	188589	188598	188607	188616
Effective length	NL	m	6	6	6	6	6	6	6	6	6
Reference no.			188540	188550	188560	188570	188580	188590	188599	188608	188617

WLL direct		kg	7000	8000	11000	14000	17000	21000	25000	29000	33500
	↓										
Rope diameter	ds	mm	26	28	32	36	40	44	48	52	56
WLL strapped		kg	5600	6400	8800	11200	13600	16800	20000	23200	26800
Effective length	NL	m	2	2	2	-	-	-	-	-	-
Reference no.			188620	188628	188636	-	-	-	-	-	-
Effective length	NL	m	2,5	2,5	2,5	2,5	2,5	-	-	-	-
Reference no.			188621	188629	188637	188644	188651	-	-	-	-
Effective length	NL	m	3	3	3	3	3	3	3	-	-
Reference no.			188622	188630	188638	188645	188652	188658	188664	-	-
Effective length	NL	m	4	4	4	4	4	4	4	4	4
Reference no.			188623	188631	188639	188646	188653	188659	188665	188670	188675
Effective length	NL	m	5	5	5	5	5	5	5	5	5
Reference no.			188624	188632	188640	188647	188654	188660	188666	188671	188676
Effective length	NL	m	6	6	6	6	6	6	6	6	6
Reference no.			188625	188633	188641	188648	188655	188661	188667	188672	188677

- ▶ **Surface:** galvanized
- ▶ **Suspension:** Eye
- ▶ **End fitting:** thimble
- ▶ **WLL:** 0,7 t to 17 t

Technical data

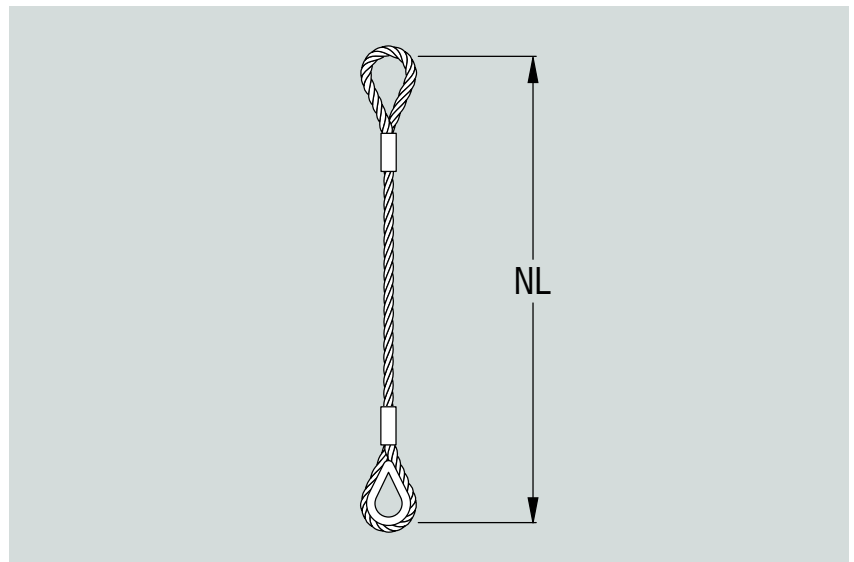
- ▶ **Operating temperature:** -40 °C to +100 °C
- ▶ **Standard:** similar to DIN EN 13414-1
- ▶ **Identification mark:** Carrying capacity stamped onto ferrule

Options on request

- ▶ further useful lengths

Wire rope sling single-leg with eye-thimble

Single-leg wire rope sling with eye and thimble, which protects the loop against deformation or damage. Galvanized version resists corrosion.



WLL direct		kg	700	1000	1500	2000	2700	3150	4000
WLL strapped		kg	560	800	1200	1600	2150	2500	3200
Rope diameter	ds	mm	8	10	12	14	16	18	20
Weight per first metre		kg	0,809	0,694	1,039	1,528	2,056	2,836	4,104
Effective length	NL	m	1	1	1	1	1	1	1
Reference no.			491123	491128	491133	491138	491143	491148	491153
Effective length	NL	m	2	2	2	2	2	2	2
Reference no.			491124	491129	491134	491139	491144	491149	491154
Effective length	NL	m	3	3	3	3	3	3	3
Reference no.			491125	491130	491135	491140	491145	491150	491155
Effective length	NL	m	4	4	4	4	4	4	4
Reference no.			491126	491131	491136	491141	491146	491151	491156
Effective length	NL	m	5	5	5	5	5	5	5
Reference no.			491127	491132	491137	491142	491147	491152	491157

WLL direct		kg	5000	6300	7000	8000	11000	14000	17000
	↓								
WLL strapped		kg	4000	5000	5600	6400	8800	11200	13600
Rope diameter	ds	mm	22	24	26	28	32	36	40
Weight per first metre		kg	6,025	7,932	9,822	11,56	16,178	21,02	28,246
Effective length	NL	m	2	2	2	2	2	2	2
Reference no.			491158	491162	491166	491170	491174	491178	491182
Effective length	NL	m	3	3	3	3	-	3	3
Reference no.			491159	491163	491167	491171	-	491179	491183
Effective length	NL	m	4	4	4	4	4	4	4
Reference no.			491160	491164	491168	491172	491176	491180	491184
Effective length	NL	m	5	5	5	5	5	5	5
Reference no.			491161	491165	491169	491173	491177	491181	491185

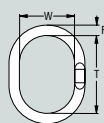
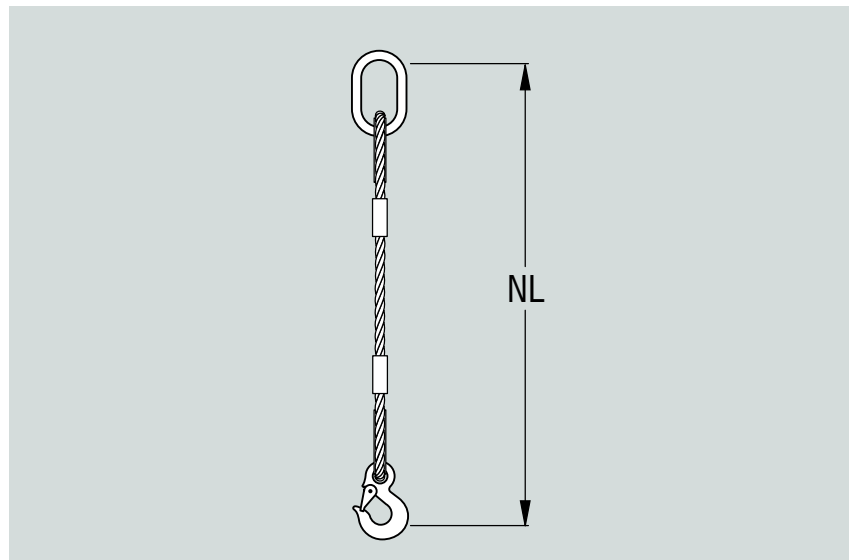
- ▶ **Surface:** galvanized
- ▶ **Suspension:** Oval ring
- ▶ **End fitting:** SIKA load hook
- ▶ **WLL:** 0,7 t to 8 t

Technical data

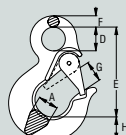
- ▶ **Operating temperature:** -40 °C to +100 °C
 - ▶ **Standard:** similar to DIN EN 13414-1
 - ▶ **Identification mark:** WLL identification tag
-

Wire rope sling

Single-leg wire rope sling with oval ring and robust SIKA load hook for easy push-through under load.
Galvanized version resists corrosion.



Oval ring
see page 347



SIKA
see page 352

WLL direct		kg	700	1000	1500	2000	2700	3150	4000	5000	6300	7000	8000
WLL strapped		kg	560	800	1200	1600	2150	2500	3200	4000	5000	5600	6400
Rope diameter	ds	mm	8	10	12	14	16	18	20	22	24	26	28
Weight per first metre		kg	2,398	2,247	2,803	3,23	4,159	4,934	8,51	10,541	12,732	15,95	18,321
Effective length	NL	m	1	1	1	1	1	1	-	-	-	-	-
Reference no.			491243	491248	491253	491258	491263	491268	-	-	-	-	-
Effective length	NL	m	2	2	2	-	2	2	2	2	2	2	2
Reference no.			491244	491249	491254	-	491264	491269	491273	491277	491281	491285	491289
Effective length	NL	m	3	3	3	3	3	3	-	3	3	3	3
Reference no.			491245	491250	491255	491260	491265	491270	-	491278	491282	491286	491290
Effective length	NL	m	4	4	4	4	4	4	4	4	4	4	4
Reference no.			491246	491251	491256	491261	491266	491271	491275	491279	491283	491287	491291
Effective length	NL	m	5	5	5	5	5	5	5	5	5	5	5
Reference no.			491247	491252	491257	491262	491267	491272	491276	491280	491284	491288	491292

Component suspension

Type			Oval ring	Oval ring	Oval ring	Oval ring	Oval ring	Oval ring	Oval ring	Oval ring	Oval ring	Oval ring	Oval ring
Clear height	T	mm	160	160	160	160	160	160	160	160	160	180	205
Clearance	W	mm	90	90	90	90	90	90	90	90	90	100	115
Ring cross-sectional diameter	F	mm	17	17	17	17	17	17	19	19	19	22	26

Component end fitting

Type			SIKA	SIKA	SIKA	SIKA	SIKA	SIKA	SIKA	SIKA	SIKA	SIKA	SIKA
Hook base height	H	mm	29	29	31	32	37	40	43	44	51	57	57
Hook thickness	A	mm	24	24	25	28	29	30	34	38	39	39	39
Hook opening width	G	mm	24	24	28	29	34	34	40	45	50	57	57

- ▶ **Surface:** galvanized
- ▶ **Suspension:** Flemish eye
- ▶ **End fitting:** Flemish eye
- ▶ **WLL:** 0,75 t to 18,5 t

Technical data

- ▶ **Operating temperature:** -40 °C to 150 °C = 100 % working load limit; 150 °C to 200 °C = 90 % working load limit; 200 °C to 300 °C = 75 % working load limit; 300 °C to 400 °C = 60 % working load limit
- ▶ **Standard:** DIN EN 13414-1
- ▶ **Identification mark:** Carrying capacity stamped onto ferrule

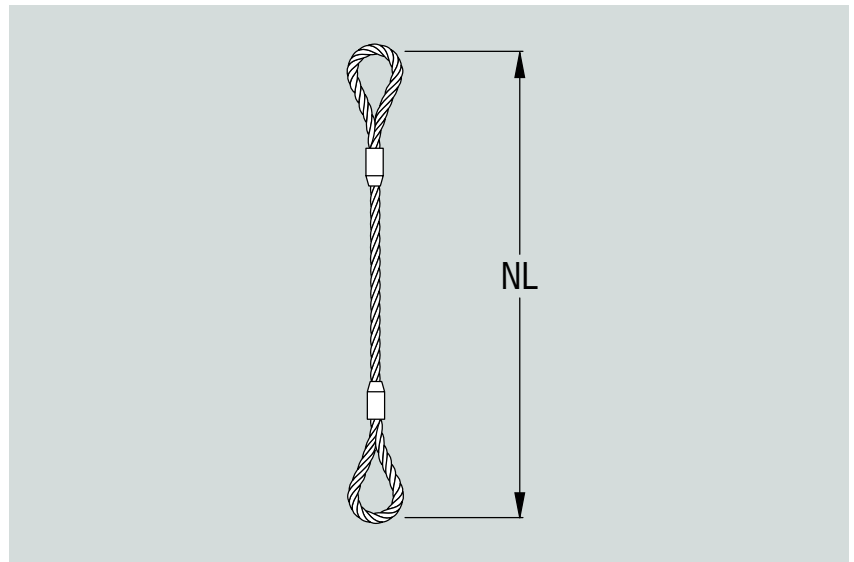
Wire rope sling

Single-leg wire rope sling with Flemish eyes and sturdy steel core for higher working load limits than wire rope slings of a standard design.

Conical ferrule protects against injuries.

100% working load limit also at temperatures up to 150 °C.

Galvanized version resists corrosion.



WLL direct		kg	750	1150	1700	2250	3000	3700	4600
WLL strapped		kg	600	920	1360	1800	2400	2960	3680
Rope diameter	ds	mm	8	10	12	14	16	18	20
Weight per first metre		kg	0,626	0,723	0,978	1,427	2,322	4,059	5,069
Effective length	NL	m	1	1	1	1	-	-	-
Reference no.			491186	491191	491196	491201	-	-	-
Effective length	NL	m	2	2	2	2	2	2	2
Reference no.			491187	491192	491197	491202	491206	491210	491214
Effective length	NL	m	3	3	3	3	3	3	3
Reference no.			491188	491193	491198	491203	491207	491211	491215
Effective length	NL	m	4	4	4	4	4	4	4
Reference no.			491189	491194	491199	491204	491208	491212	491216
Effective length	NL	m	5	5	5	5	5	5	5
Reference no.			491190	491195	491200	491205	491209	491213	491217

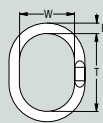
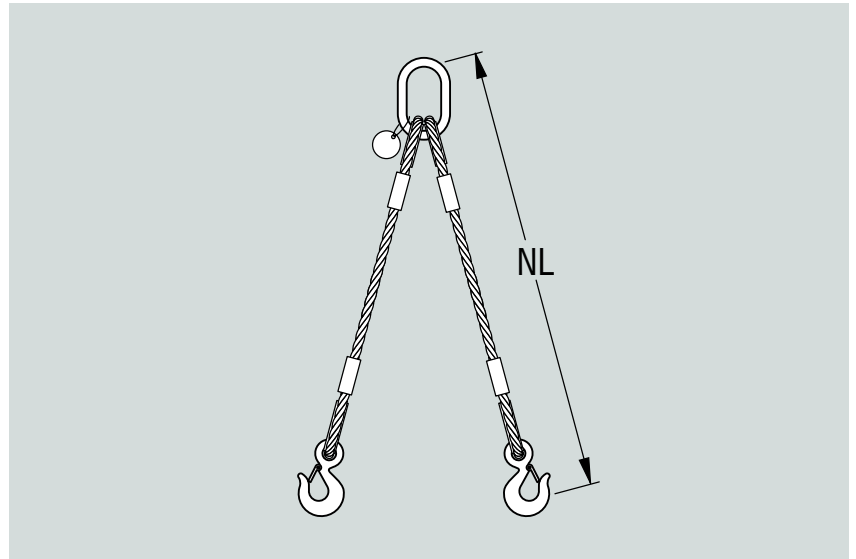
- ▶ **Surface:** galvanized
- ▶ **Suspension:** Oval ring
- ▶ **End fitting:** Safety hook
- ▶ **WLL:** 0,95 t to 15 t

Technical data

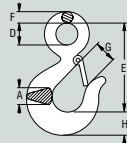
- ▶ **Operating temperature:** -40 °C to +100 °C
 - ▶ **Standard:** similar to DIN EN 13414-1
 - ▶ **Identification mark:** WLL identification tag
 - ▶ **Structural element surface:** painted
-

Wire rope sling





2-leg wire rope sling with thimble both ends for durability application opportunity and safety load hook. Galvanized version resists corrosion.



Oval ring
see page 347



SILA with eye
see page 350

WLL direct 0-45°		kg	950	1400	2100	2800	3800	4400	5600	7000	8800	9800	11200	15000
WLL direct 45-60°		kg	700	1000	1500	2000	2700	3150	4000	5000	6300	7000	8000	11000
WLL strapped 0-45°		kg	760	1100	1700	2250	3050	3500	4500	5600	7000	7800	9000	12000
WLL strapped 45-60°		kg	560	800	1200	1600	2150	2500	3200	4000	5000	5600	6400	8800
Rope diameter	ds	mm	8	10	12	14	16	18	20	22	24	26	28	32
Weight per first metre		kg	2,472	3,442	4,225	5,01	5,948	7,96	11,076	13,07	16,215	20,186	23,02	32,426
Effective length	NL	m	2	2	2	2	2	2	2	2	2	2	2	2
Reference no.			491306	491311	491316	491321	491326	491331	491336	491341	491346	491351	491356	491361
Effective length	NL	m	3	3	3	3	3	3	3	3	3	3	3	3
Reference no.			491307	491312	491317	491322	491327	491332	491337	491342	491347	491352	491357	491362
Effective length	NL	m	4	4	4	4	4	4	4	4	4	4	4	4
Reference no.			491308	491313	491318	491323	491328	491333	491338	491343	491348	491353	491358	491363
Effective length	NL	m	5	5	5	5	5	5	5	5	5	5	5	5
Reference no.			491309	491314	491319	491324	491329	491334	491339	491344	491349	491354	491359	491364
Effective length	NL	m	6	6	6	6	6	6	6	6	6	6	6	6
Reference no.			491310	491315	491320	491325	491330	491335	491340	491345	491350	491355	491360	491365
Component suspension														
Type			Oval ring											
Clear height	T	mm	160	160	160	160	160	160	160	180	205	205	275	275
Clearance	W	mm	90	90	90	90	90	90	90	100	115	115	145	145
Ring cross-sectional diameter	F	mm	17	17	17	17	17	19	19	22	26	26	28	31
Component end fitting														
Type			SILA with eye											
Hook base height	H	mm	19	21	21	26	29	29	38	38	46	46	46	57,5
Hook thickness	A	mm	17	15	20	21	26	26	32	32	37	37	37	43
Hook opening width	G	mm	17	20	17	19	22	22	27	27	45	45	45	49

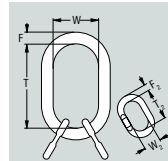
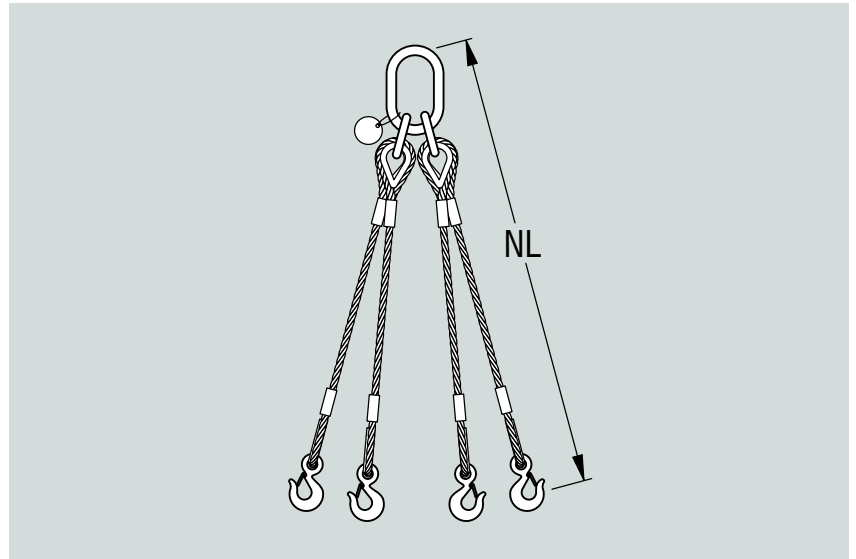
- ▶ **Surface:** galvanized
- ▶ **Suspension:** Ring suspension gear
- ▶ **End fitting:** Safety hook
- ▶ **WLL:** 1,45 t to 23 t

Technical data

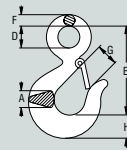
- ▶ **Operating temperature:** -40 °C to +100 °C
 - ▶ **Standard:** similar to DIN EN 13414-1
 - ▶ **Identification mark:** WLL identification tag
-

Wire rope sling



4-leg wire rope sling with thimble both ends for durability application opportunity and safety load hook. Galvanized version resists corrosion.



Ring suspension gear
see page 348



SILA with eye
see page 350

WLL direct 0-45°		kg	1450	2100	3150	4200	5700	6600	8400	10500	13200	14700	16800	23000
WLL direct 45-60°		kg	1050	1500	2300	3000	4000	4700	6000	7500	9400	10500	12000	16500
Rope diameter	ds	mm	8	10	12	14	16	18	20	22	24	26	28	32
Weight per first metre		kg	5,978	6,483	8,26	10,577	13,7	16,815	24,303	27,005	35,645	42,462	44,519	69,664
Effective length	NL	m	2	2	2	2	2	2	2	2	2	2	2	2
Reference no.			491371	491376	491381	491386	491391	491396	491401	491406	491411	491416	491421	491426
Effective length	NL	m	3	3	3	3	3	3	3	3	3	3	3	3
Reference no.			491372	491377	491382	491387	491392	491397	491402	491407	491412	491417	491422	491427
Effective length	NL	m	4	4	4	4	4	4	4	4	4	4	4	4
Reference no.			491373	491378	491383	491388	491393	491398	491403	491408	491413	491418	491423	491428
Effective length	NL	m	5	5	5	5	5	5	5	5	5	5	5	5
Reference no.			491374	491379	491384	491389	491394	491399	491404	491409	491414	491419	491424	491429
Effective length	NL	m	6	6	6	6	6	6	6	6	6	6	6	6
Reference no.			491375	491380	491385	491390	491395	491400	491405	491410	491415	491420	491425	491430
Component suspension														
Type			Ring suspension gear											
Clear height	T	mm	160	160	160	180	180	180	275	275	275	275	275	300
Clearance	W	mm	90	90	90	100	100	100	145	145	145	145	145	160
Ring cross-sectional diameter	F	mm	17	17	19	22	22	22	28	28	31	31	31	40
Component end fitting														
Type			SILA with eye											
Hook base height	H	mm	19	19	21	26	29	29	38	38	46	46	46	57,5
Hook thickness	A	mm	17	17	20	21	26	26	32	32	37	37	37	43
Hook opening width	G	mm	17	17	17	19	22	22	27	27	45	45	45	49

► WLL: 4,2 t to 25 t

Technical data

► Operating temperature: -20 °C to +70 °C

Options on request

► further useful lengths

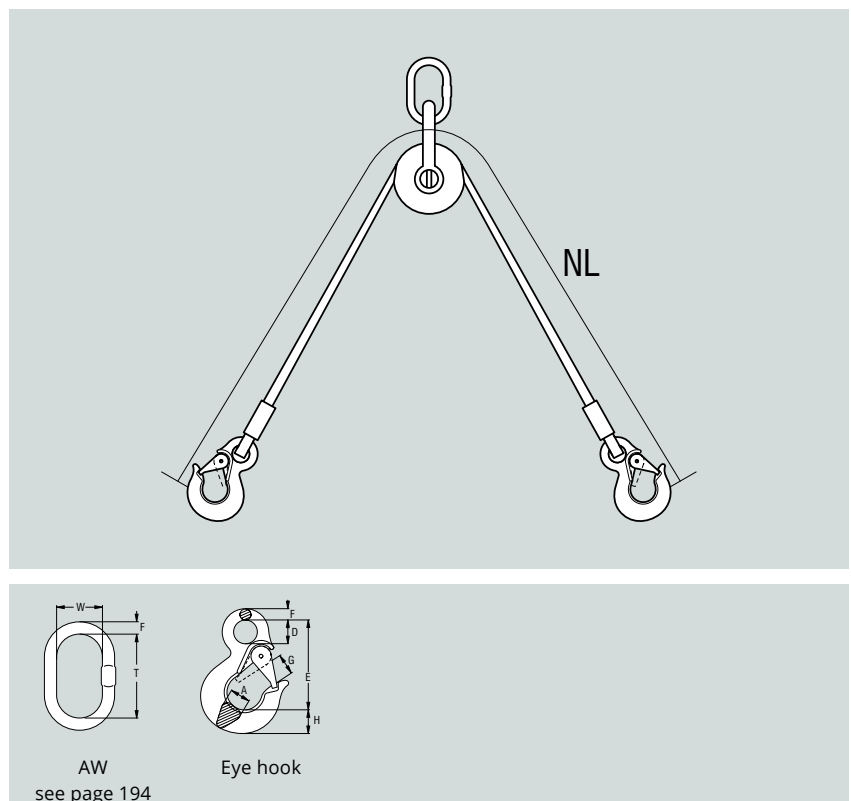
Rope balancing suspension gear

Balancing suspension gear for sharing loads evenly between lifting points.

Use individually or in pairs e.g., for transport and elevated rotation possible.

Easy extension by the use of chain suspension gear.

Application > 45° not permitted maximum crane speed 8 m/min!



WLL direct 0-45°		kg	4200	9400	16000	25000
Rope diameter	ds	mm	16	24	32	44
Weight per first metre		kg	11,946	32,95	62,907	131,208
Effective length	NL	m	5	5	5	5
Reference no.			491455	491456	491457	491458
Component suspension						
Type			AW	AW	AW	AW
Clear height	T	mm	135	180	260	-
Clearance	W	mm	75	100	140	-
Ring cross-sectional diameter	F	mm	19	27	36	-
Component end fitting						
Type			Eye hook	Eye hook	Eye hook	Eye hook
Hook base height	H	mm	30	41	52	-
Hook thickness	A	mm	24	42	43	82
Hook opening width	G	mm	33	44	53	81

► WLL: 10,7 t to 56,95 t

Technical data

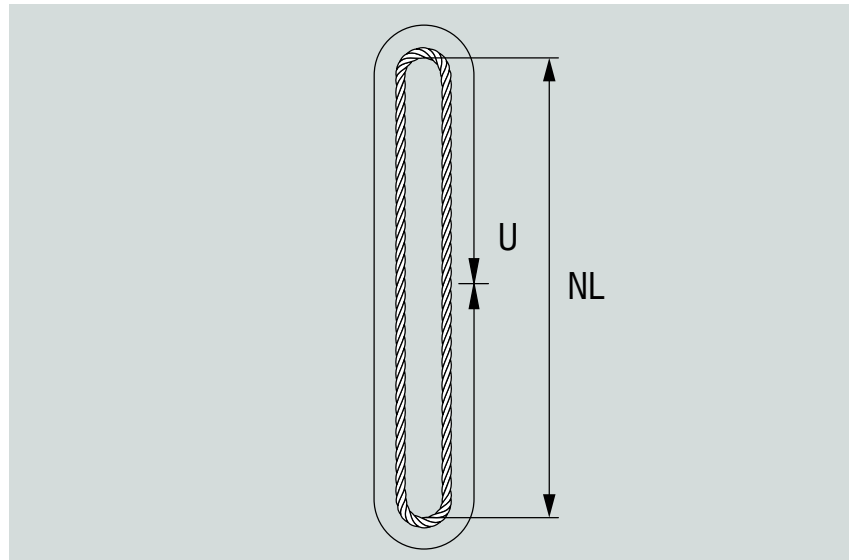
- **Operating temperature:** -40 °C to +100 °C
- **Standard:** DIN EN 13414-3
- **Identification mark:** WLL identification tag

Options on request

- Spliced eyes, integrated eyes, thimbles, as required with hooks or rings

Cable-laid wire rope sling/ grommet with fibre core

Endless cable-laid wire rope with fibre core for high flexibility.



WLL direct		kg	2250	3300	6450	7700	10700	13250	16000
Rope diameter	ds	mm	12	15	21	24	27	30	33
Weight per first metre		kg	0,48	0,61	1,28	1,58	1,95	5,4	6,16
Circumferential length	U	m	1	1	1	1	1	2	2
Reference no.			504288	504295	504302	504309	504316	504323	504329
Circumferential length	U	m	2	2	2	2	2	4	4
Reference no.			504289	504296	504303	504310	504317	504324	504330
Circumferential length	U	m	4	4	4	4	4	6	6
Reference no.			504290	504297	504304	504311	504318	504325	504331
Circumferential length	U	m	6	6	6	6	6	8	8
Reference no.			504291	504298	504305	504312	504319	504326	504332
Circumferential length	U	m	8	8	8	8	8	10	10
Reference no.			504292	504299	504306	504313	504320	504327	504333
Circumferential length	U	m	10	10	10	10	10	12	12
Reference no.			504293	504300	504307	50414	504321	504328	504334
Circumferential length	U	m	12	12	12	12	12	-	-
Reference no.			504294	504301	504308	504315	504322	-	-

Accessories

		Wide-body shackle							
Reference no.			243661	243661	243662	243662	243663	243663	243664

WLL direct		kg	20500	19500	27900	36450	46150	56950
Rope diameter	ds	mm	36	39	42	48	54	60
Weight per first metre		kg	7,5	8,86	10,5	13,96	15,9	40,2
Circumferential length	U	m	2	2	2	2	2	4
Reference no.			504335	504341	504347	504353	504359	504365
Circumferential length	U	m	4	4	3	3	3	6
Reference no.			504336	504342	491296	491297	491298	504366
Circumferential length	U	m	6	6	4	4	4	8
Reference no.			504337	504343	504348	504354	504360	504367
Circumferential length	NL	m	8	8	6	6	6	10
Reference no.			504338	504344	504349	504355	504361	504368
Circumferential length	NL	m	10	10	8	8	8	12
Reference no.			504339	504345	504350	504356	504362	504369
Circumferential length	U	m	12	12	10	10	10	-
Reference no.			504340	504346	504351	504357	504363	-
Circumferential length	U	m	-	-	12	12	12	-
Reference no.			-	-	504352	504358	504364	-
Accessories								
			Wide-body shackle					
Reference no.			243664	235880	235880	226293	235881	235882

► WLL: 9,8 t to 692,6 t

Technical data

- **Operating temperature:** -40 °C to +100 °C
- **Standard:** DIN EN 13414-3
- **Identification mark:** WLL identification tag

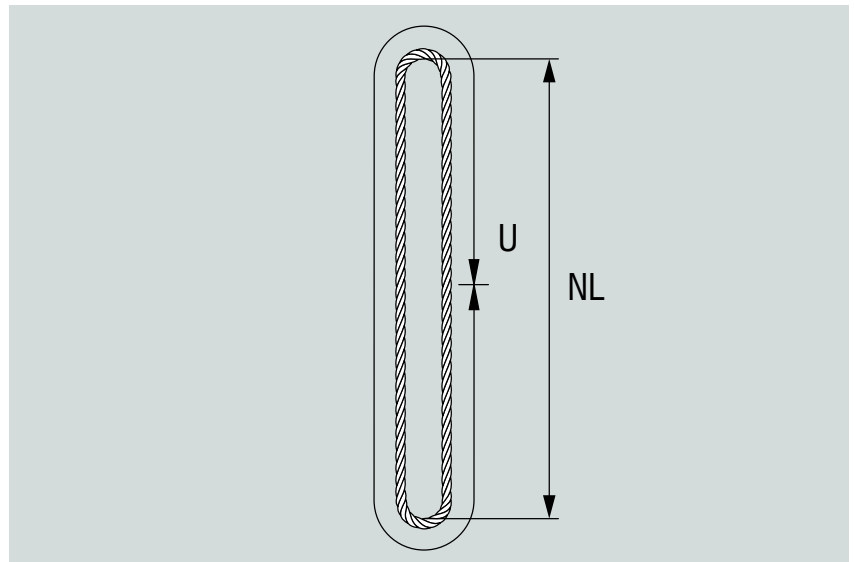
Options on request

- Spliced eyes, integrated eyes, thimbles, as required with hooks or rings; Working load limit up to 2000 tonnes single direct

Cable-laid wire rope sling/ grommet with steel core

Endless cable-laid wire rope with steel core for extremely high working load limits, up to 2000 tonnes single direct, at comparatively small diameters.

From a diameter of > 60 mm grommets must be steel reinforced.



WLL direct		kg	9800	12400	15350	18550	22100	25950
Rope diameter	ds	mm	24	27	30	33	36	39
Weight per first metre		kg	1,82	2,31	5,7	7,58	9,02	10,6
Circumferential length	U	m	1	1	2	2	2	2
Reference no.			504370	504379	504388	504410	504418	50426
Circumferential length	U	m	2	2	4	4	4	4
Reference no.			504371	504380	504389	504411	504419	504427
Circumferential length	U	m	4	4	6	6	6	6
Reference no.			504372	504381	504390	504412	504420	504428
Circumferential length	U	m	6	6	8	8	8	8
Reference no.			504373	504382	504391	504413	504421	504429
Circumferential length	U	m	8	8	10	10	10	10
Reference no.			504374	504383	504392	504414	504422	504430
Circumferential length	U	m	10	10	12	12	12	12
Reference no.			504375	504384	504393	504415	504423	504431
Circumferential length	U	m	12	12	16	16	16	16
Reference no.			504376	504385	504394	504416	504424	504432
Circumferential length	U	m	16	16	20	20	20	20
Reference no.			504377	504386	504395	504417	504425	504433
Circumferential length	U	m	20	20	-	-	-	-
Reference no.			504378	504387	-	-	-	-
Accessories								
			Wide-body shackle					
Reference no.			243662	243663	243663	243664	243664	235880

WLL direct		kg	30100	39300	49750	61450	76200	93200
Rope diameter	ds	mm	42	48	54	60	66	72
Weight per first metre		kg	12,3	16,06	20,4	50,12	60,6	72,32
Circumferential length	U	m	2	2	2	4	4	4
Reference no.			504434	504442	504450	504396	504403	504458
Circumferential length	U	m	4	4	4	6	6	6
Reference no.			504435	504443	504451	504397	504404	504459
Circumferential length	U	m	6	6	6	8	8	8
Reference no.			504436	504444	504452	504398	504405	504460
Circumferential length	U	m	8	8	8	10	10	10
Reference no.			504437	504445	504453	504399	504406	504461
Circumferential length	U	m	10	10	10	12	12	12
Reference no.			504438	504446	504454	504400	504407	504462
Circumferential length	U	m	12	12	12	16	16	16
Reference no.			504439	504447	504455	504401	504408	504463
Circumferential length	U	m	16	16	16	20	20	20
Reference no.			504440	504448	504456	504402	504409	504464
Circumferential length	U	m	20	20	20	-	-	-
Reference no.			504441	504449	504457	-	-	-

Accessories

			Wide-body shackle					
Reference no.			235880	226293	235881	235882	235882	235882

WLL direct		kg	112500	134400	158900	186500	217400	251800
Rope diameter	ds	mm	78	84	90	96	102	108
Weight per first metre		kg	84,92	98,4	112,8	128,4	144,92	162,24
Circumferential length	U	m	4	4	4	4	4	4
Reference no.			504465	504472	504479	504486	504493	504500
Circumferential length	U	m	6	6	6	6	6	6
Reference no.			504466	504473	504480	504487	504494	504501
Circumferential length	U	m	8	8	8	8	8	8
Reference no.			504467	504474	504481	504488	504495	504502
Circumferential length	U	m	10	10	10	10	10	10
Reference no.			504468	504475	504482	504489	504496	504503
Circumferential length	U	m	12	12	12	12	12	12
Reference no.			504469	504476	504483	504490	504497	504504
Circumferential length	U	m	16	16	16	16	16	16
Reference no.			504470	504477	504484	504491	504498	504505
Circumferential length	U	m	20	20	20	20	20	20
Reference no.			504471	504478	504485	504492	504499	504506

Accessories

			Wide-body shackle					
Reference no.			235883	235884	235884	235884	235885	223981

WLL direct		kg	290300	333100	380900	434200	559900	692600
Rope diameter	ds	mm	114	120	126	132	144	156
Weight per first metre		kg	271,8	301,08	332,1	364,5	433,8	508,5
Circumferential length	U	m	6	6	6	6	6	6
Reference no.			504507	504513	504519	504525	504531	504537
Circumferential length	U	m	8	8	8	8	8	8
Reference no.			504508	504514	504520	504526	504532	504538
Circumferential length	U	m	10	10	10	10	10	10
Reference no.			504509	504515	504521	504527	504533	504539
Circumferential length	U	m	12	12	12	12	12	12
Reference no.			504510	504516	504522	504528	504534	504540
Circumferential length	U	m	16	16	16	16	16	16
Reference no.			504511	504517	504523	504529	504535	504541
Circumferential length	U	m	20	20	20	20	20	20
Reference no.			504512	504518	504524	504530	504536	504542
Accessories								
			Wide-body shackle					
Reference no.			223981	235886	235886	235887	259713	235888

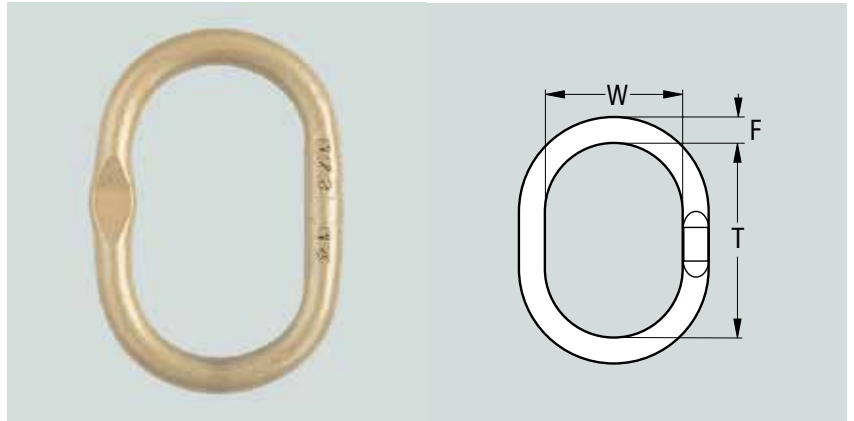
- ▶ **Surface: painted**
- ▶ **WLL: 1,6 t to 45 t**

Technical data

- ▶ **Material:** alloy steel
- ▶ **Standard:** DIN EN 1677-4

Oval ring

Flexible connecting element.



WLL		kg	1600	2500	4000	6500	8000	11500
Ring cross-sectional diameter	F	mm	12	13	17	19	22	26
Clearance	W	mm	60	60	90	90	100	115
Clear height	T	mm	120	120	160	160	180	205
Weight approx.		kg	0,3	0,36	0,84	1,07	1,61	2,37
Reference no.			112716	112717	112718	112720	112722	112725

WLL		kg	11800	16000	24000	25000	31500	45000
Ring cross-sectional diameter	F	mm	28	31	36	40	45	51
Clearance	W	mm	145	145	155	160	180	215
Clear height	T	mm	275	275	285	300	340	390
Weight approx.		kg	3,91	4,69	6,83	8,9	12,73	17,26
Reference no.			112727	112729	112730	112731	112732	112733

- ▶ **Surface: painted**
- ▶ **WLL: 2,4 t to 50 t**

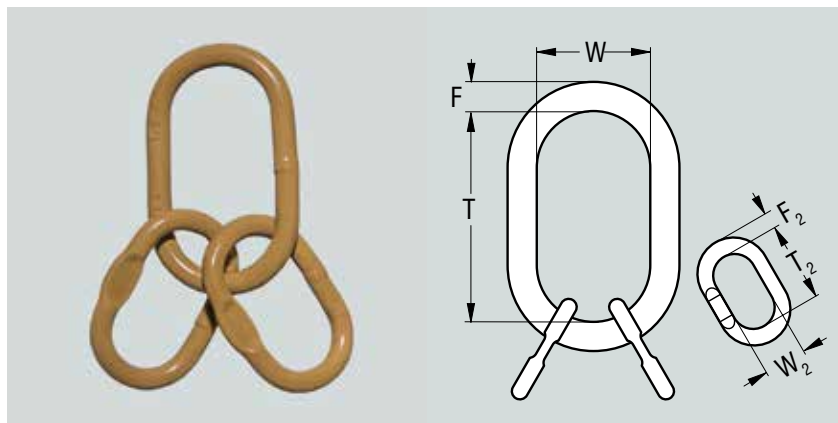
Technical data

- ▶ **Material:** alloy steel
- ▶ **Standard:** DIN EN 1677-4

Ring suspension gear

3-part oval ring suspension gear with flat points as connecting element.

The large spacer rings offer adequate space for the attachment device.



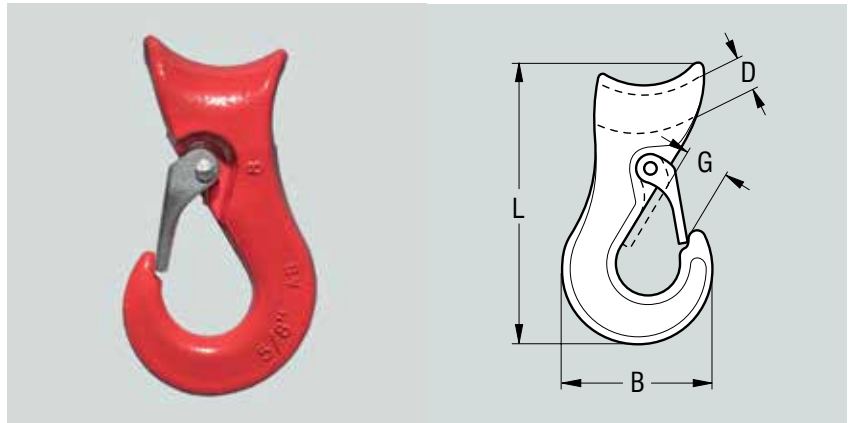
WLL		kg	2400	3200	4200	8000	12000
Ring cross-sectional diameter	F	mm	13	17	19	22	28
Ring cross-sectional diameter 2	F ₂	mm	12	13	13	17	22
Clearance	W	mm	60	90	90	100	145
Clear height	T	mm	120	160	160	180	275
Suspension ring clearance	W ₂	mm	45	60	60	90	100
Suspension ring clear height	T ₂	mm	85	120	120	160	180
Weight approx.		kg	0,81	1,56	1,79	3,29	7
Reference no.			112737	112738	112739	112742	112746

WLL		kg	17000	25000	32000	50000
Ring cross-sectional diameter	F	mm	31	40	45	63
Ring cross-sectional diameter 2	F ₂	mm	25	31	36	50
Clearance	W	mm	145	160	180	220
Clear height	T	mm	275	300	340	430
Suspension ring clearance	W ₂	mm	115	140	155	190
Suspension ring clear height	T ₂	mm	210	270	285	350
Weight approx.		kg	9,43	18,28	42	65
Reference no.			112747	112750	112751	112752

- ▶ Galvanized hook safety latch
- ▶ Surface: painted
- ▶ WLL: 1,25 t to 5 t

Sliding choker hook

Sliding choker hook with safety latch especially suitable for bundling of loads such as bar goods, pipes, sacks, boards, tree trunks, etc.

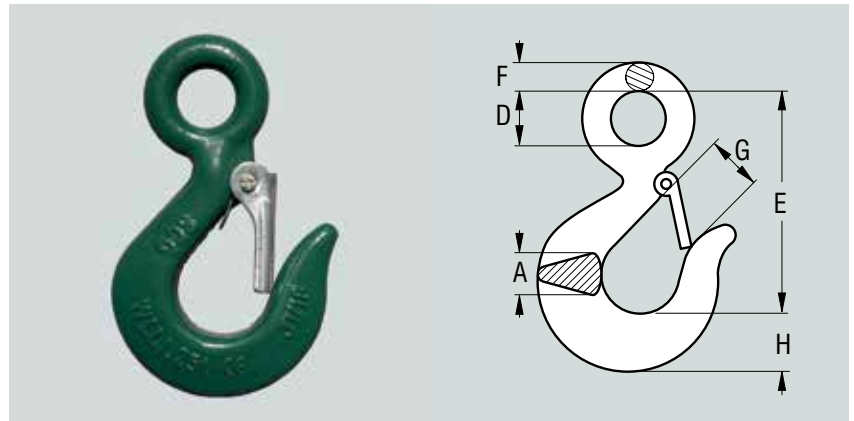


WLL		kg	1250	2000	3000	5000
for nominal rope diameter min		mm	9	14	17	20
for nominal rope diameter max		mm	13	16	19	26
Overall length	L	mm	128	147	174	210
Structural element width	B	mm	70	80	103	133
Diameter Eye	D	mm	17	22	27	33
Hook opening width	G	mm	19	22	30	40
Weight approx.		kg	0,7	1	1,8	3,4
Reference no.			112697	112700	112703	112706

- ▶ Surface: dip-coated
- ▶ WLL: 1,25 t to 30 t

Safety load hook

Safety load hook with eye to prevent inadvertent opening.



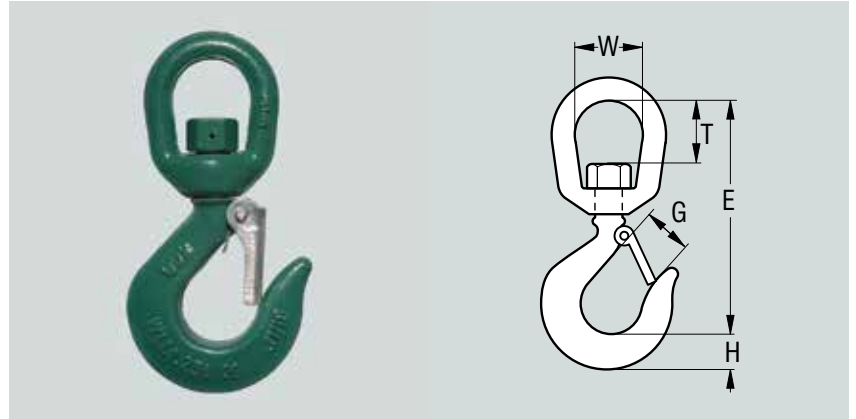
WLL		kg	1250	1600	2500	3200	5400
Ring cross-sectional diameter	F	mm	10	12	13	17	19
Suspension point distance	E	mm	85	93	103	119	147
Diameter Eye	D	mm	19	23	30	31	39
Load hook Thickness	A	mm	17	20	21	26	32
Hook opening width	G	mm	17	17	19	22	27
Hook base height	H	mm	19	21	26	29	38
Weight approx.		kg	0,21	0,31	0,62	0,96	1,65
Reference no.			112582	112584	112592	112594	112596

WLL		kg	8000	11500	16000	22000	30000
Ring cross-sectional diameter	F	mm	24	28,5	32	40	44
Suspension point distance	E	mm	185	230	256	318	357
Diameter Eye	D	mm	51	62	72	89	89
Load hook Thickness	A	mm	37	43	49	60	76
Hook opening width	G	mm	45	49	57	76	92
Hook base height	H	mm	46	57,5	66	76	93
Weight approx.		kg	3,13	5,37	7,76	14,32	23,88
Reference no.			112598	112600	112602	112604	112606

- ▶ **Surface: painted**
- ▶ **WLL: 1,25 t to 31,5 t**

Safety load hook

Rotatable safety load hook with swivel eye.
 For positioning only, but not for rotation under load.



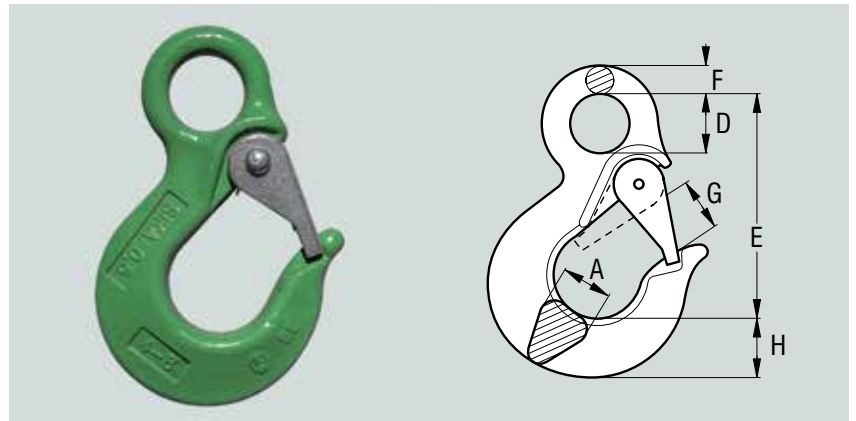
WLL		kg	1250	1600	2500	3200	5400
Clearance	W	mm	31	39	44	44	51
Clear height	T	mm	24	33	42	40	40
Suspension point distance	E	mm	112	135	158	165	194
Hook opening width	G	mm	17	17	21	23	25
Hook base height	H	mm	19,5	22	25,5	28,5	36,5
Weight approx.		kg	0,45	0,77	1,22	1,51	2,48
Reference no.			110884	110886	110888	110890	110892

WLL		kg	8000	11500	16000	20000	31500
Clearance	W	mm	66	80	92	115	132
Clear height	T	mm	60	65	84	107	117
Suspension point distance	E	mm	248	294	352	434	512
Hook opening width	G	mm	50	55	58	78	87
Hook base height	H	mm	46	60	67	80	95
Weight approx.		kg	6,06	9,94	15,3	26,5	50
Reference no.			110894	110896	110898	110900	110902

- ▶ Surface: dip-coated
- ▶ WLL: 0,5 t to 10 t

SIKA load hook

Safety latch load hook with eye to prevent inadvertent opening.



WLL		kg	500	1000	1500	2000	2700	3150
Ring cross-sectional diameter	F	mm	10	13	14	14	16	17
Suspension point distance	E	mm	93	105	115	123	137	138
Diameter Eye	D	mm	25	27	28	32	34	34
Load hook Thickness	A	mm	20	24	25	28	29	30
Hook opening width	G	mm	20	24	28	29	34	34
Hook base height	H	mm	27	29	31	32	37	40
Weight approx.		kg	0,5	0,8	1	1,1	1,5	1,6
Reference no.			112680	112681	112687	112692	135041	112693

WLL		kg	4000	5000	6300	8000	10000
Ring cross-sectional diameter	F	mm	20	23	24	26	34
Suspension point distance	E	mm	164	188	213	216	234
Diameter Eye	D	mm	40	50	52	54	60
Load hook Thickness	A	mm	34	38	39	39	45
Hook opening width	G	mm	40	45	50	57	61
Hook base height	H	mm	43	44	51	57	61
Weight approx.		kg	2,8	3,6	4,5	5,4	8,1
Reference no.			135042	112694	135043	112695	112696



WLL identification tag For wire rope slings

The WLL identification tag is required for marking of multi-leg wire rope sling gear in accordance with valid standards, but also of single leg wire rope slings, when the working load limit at the site is not evident.

The unlabelled design enables the retrofit of existing lifting gear and wire rope slings with the required details.

Type		Pfeifer single-leg	Pfeifer multi-leg	neutral
Weight approx.	kg	0,03	0,03	0,03
Reference no.		110196	110198	245047

Pfeifer type is not available as a spare part except in connection with wire rope slings purchased from and assembled at Pfeifer.

- ▶ **Suspension:** Eye
- ▶ **End fitting:** Eye
- ▶ **WLL:** 1,4 t to 7 t

Technical data

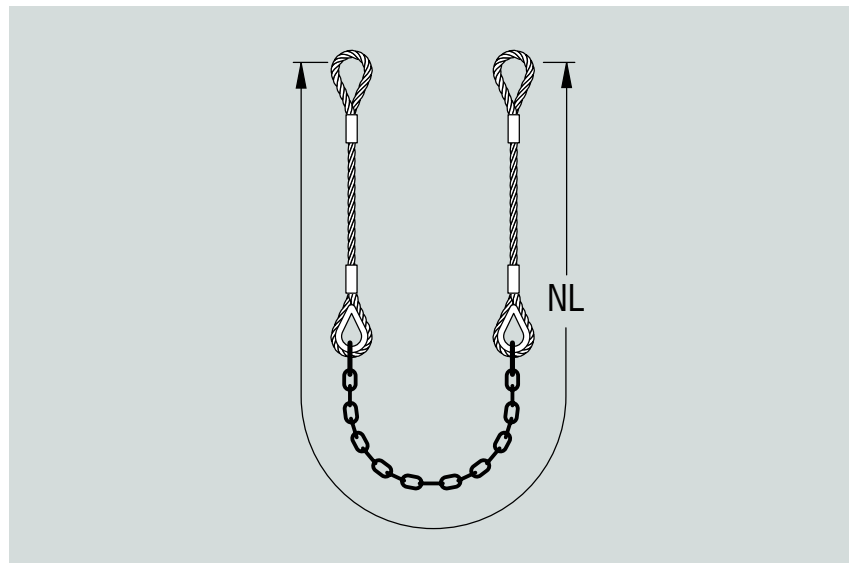
- ▶ **Operating temperature:** -40 °C to +100 °C
- ▶ **Standard:** Rope: similar to DIN EN 13414-1;
Chain: DIN EN 818
- ▶ **Identification mark:** WLL identification tag

Combined rope/chain suspension gears

Wire rope sling combined with chain for particularly harsh applications.

The chain in the wear zone enables particularly long service life and reduces the effects of sharp edges.

The dimensionally stable rope enables the suspension gear to be pushed easily under the load.



WLL wrapped around 0 - 45°		kg	1400	2800	3800	7000
WLL wrapped around 45 - 60°		kg	1000	2000	2700	5000
Nominal size of chain	ND	mm	6	8	10	13
Rope diameter	ds	mm	10	14	16	22
Weight per first metre		kg	4,338	8,47	12,476	23,184
Effective length	NL	m	4	4	4	4
Reference no.			491443	491446	491449	491452
Effective length	NL	m	-	5	5	5
Reference no.			-	491447	491450	491453
Effective length	NL	m	6	6	6	6
Reference no.			491445	491448	491451	491454

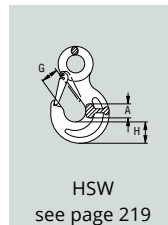
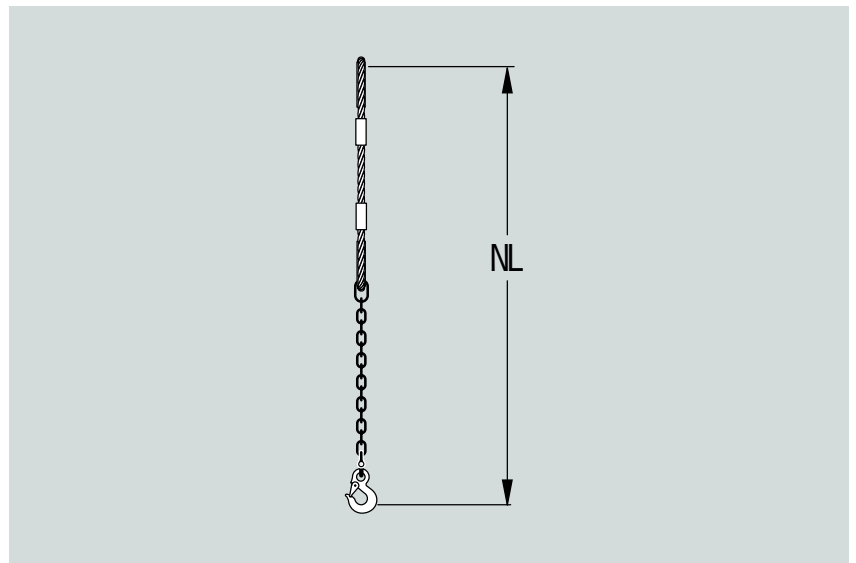
- ▶ **Suspension:** Eye
- ▶ **End fitting:** HSW eye load hook
- ▶ **WLL:** 1 t to 2,7 t

Technical data

- ▶ **Operating temperature:** -40 °C to +100 °C
- ▶ **Standard:** Rope: similar to DIN EN 13414-1;
Chain: DIN EN 818
- ▶ **Identification mark:** WLL identification tag

Combined rope/chain suspension gear, single-leg with thimble and HSW eye load hook

Wire rope sling combined with chain for particularly harsh applications and for lashing angular loads. The dimensionally stable rope enables the suspension gear to be pushed easily under the load.



WLL direct		kg	1000	2000	2700
WLL strapped		kg	800	1600	2150
Nominal size of chain	ND	mm	6	8	10
Rope diameter	ds	mm	10	14	16
Weight per first metre		kg	6,5	9,3	10,546
Effective length	NL	m	3	3	3
Reference no.			491431	491435	491439
Effective length	NL	m	4	4	4
Reference no.			491432	491436	491440
Effective length	NL	m	5	5	5
Reference no.			491433	491437	491441
Effective length	NL	m	6	6	6
Reference no.			491434	491438	491442

Shackle

In attachment and lifting technology, shackles connect attachment devices or ropes with machines or components. In these professional applications, care must be taken to select high-quality shackles according to the corresponding standards, such as EN 13889.

Commercially available shackles are often unsuitable: they may only be used for fastening or tensioning.

Assortment overview

	Premium standard shackles according to EN 13889 GreenPIN	Shackle high-strength	Shackle similar to DIN 82101	Shackle Stainless steel similar to DIN 82102	Chain shackle
	See page 363	See page 372	See page 376	See page 377	See page 233
Applications	Attachment, bracing and fastening	Attachment, bracing and fastening	Attachment, bracing & fastening	secondary application purposes such as bracing and suspending	Installation in chain slings
Assortment	Wide assortment incl. wide-body shackles, shackles with large opening widths, extreme temperatures, ...	High-strength shackles in standard executions	Standard DIN shackles	Stainless steel shackles	Chain shackles
Working load limits	0,33 t–1550 t	0,5 t–55 t	0,1 t–25 t	0,12 t–3 t	1 t–10 t
Safety	Minimum breaking force 6 x WLL	Minimum breaking force 6 x WLL	Minimum breaking force 5 x WLL	Minimum breaking force 6 x WLL	Minimum breaking force 4 x WLL
Standard/ Approval	<ul style="list-style-type: none"> • EN 13889 • US Fed. Spec. RR-C-271 • British Standard 3032 • Partly DNV-GL 	<ul style="list-style-type: none"> • Based on US Fed. Spec. RR-C-271 	<ul style="list-style-type: none"> • Based on DIN 82101 • Lower material class and consequently larger dimensions compared to high-strength shackles according to EN 13889 or US Fed. Spec. RR-C-271 • DIN 82101 with lower requirements than EN 13889 or US Fed. Spec. RR-C-271, such as no fatigue test required • No harmonised European standard 	<ul style="list-style-type: none"> • Based on DIN 82102 	<ul style="list-style-type: none"> • EN 1677

The following certificates are available on request for all shackles: CE / 2.1 / 2.2 / 3.1 and others

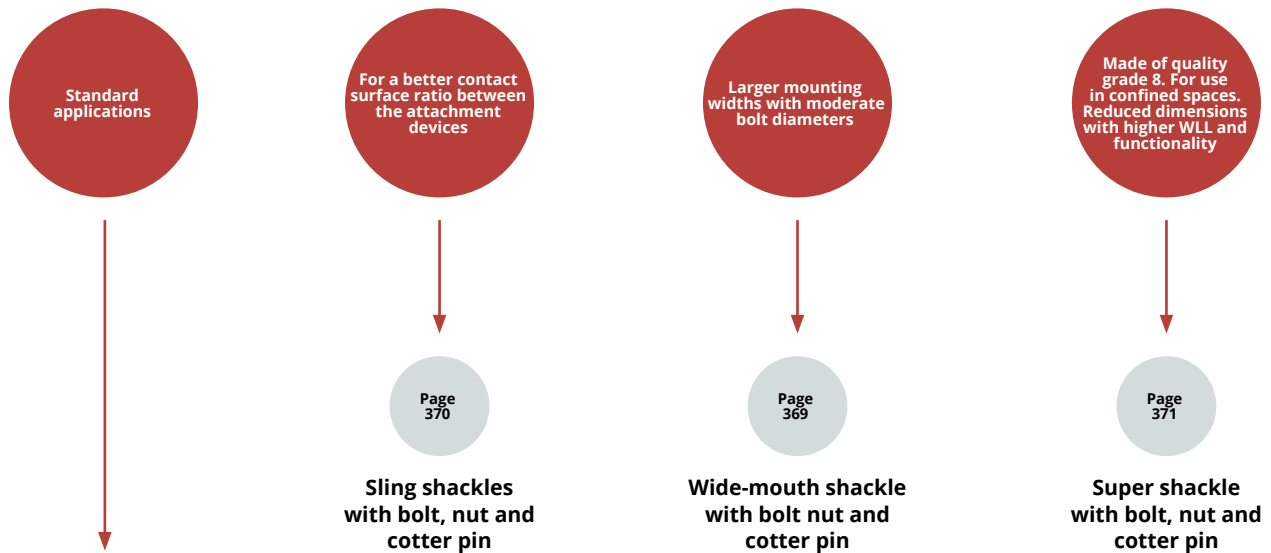
* The performance of shackles according to EN 13889 requires normal conditions. Exceptionally risky conditions such as offshore activities, the lifting of people and potentially dangerous loads such as liquid metals, corrosive materials or fissile materials are excluded.

In such cases, a specialist or, in the case of any product-influencing applications, the manufacturer must assess the degree of danger and adjust the working load limit (WLL) to the hazard.

Selection aid: Which shackle is the right one for my application?

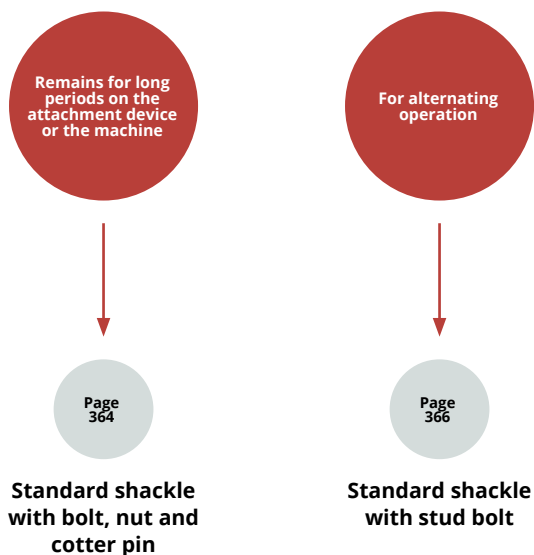
Question:

For which purpose is the shackle intended?



Question:

How long will the shackle remain on the load?



3D design data

The 3D data for the design can be found on the respective product page at www.pfeifer.info.

Marking of shackles

In the factory: Minimum marking according to standard

According to EN 13889, shackles must be marked by the production facility with:

- Working load limit (WLL) e.g. WLL 25 t
- Manufacturer's mark, e.g. name, logo or trademark of the manufacturer
- Traceability code e.g. batch number (HA with reference to a specific production lot)
- Quality grade (GK)
- CE conformity marking (Conformite European) CE

In order to be clear and durable, this marking must be deepened or raised by the manufacturing process (e.g. die forging)

Subsequently: Individual marking for simple checking and greater safety

The unique identification of a shackle with regard to the date of acquisition, area of application and test interval makes it easier for you to meet the requirements for operational safety, to avoid accidents and to understand them in an emergency. However, a number of provisions apply to the application of subsequent identification markings or symbols. They may only be applied by qualified persons.

The PFEIFER service does that for you!

We mark shackles with a working load limit of up to 35 t for you on our professional laser system.

We label shackles with larger tonnages with needle engravers in accordance with standards. Possible information is, for example:

- Serial number
- Company logo or company name
- Area or working group
- Assembly station
- Container number

We stand for good and durable legibility – even with the smallest lettering under 1 mm.

Notice on safe use

Check shackles each time before use

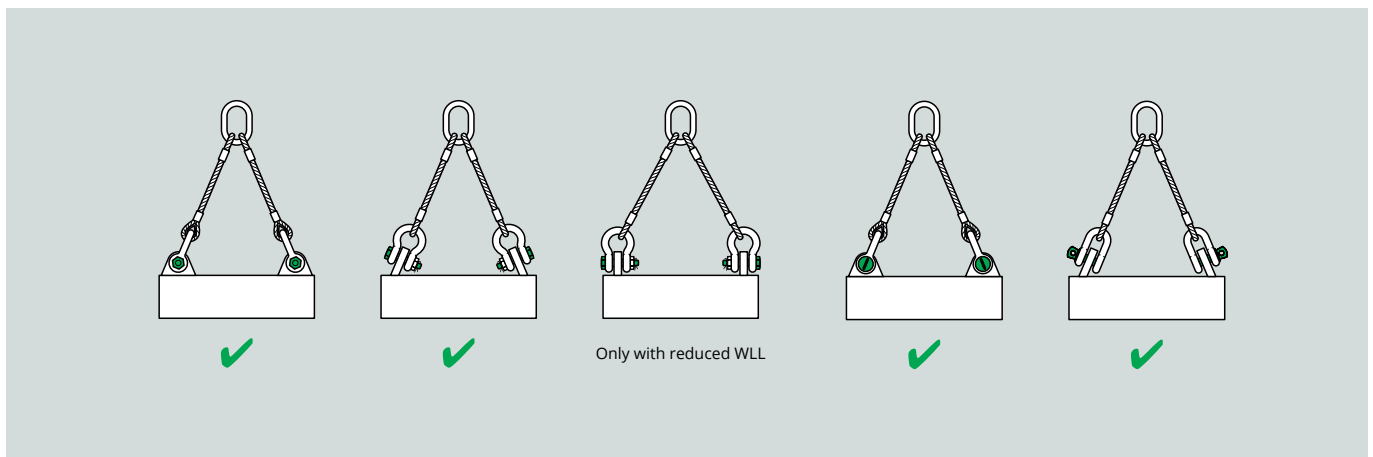
Are markings legible? Do the body and bolt fit together? For shackles with nut and cotter pin securing: is the cotter pin present and securely fixed? Are all parts of the shackle (thread, stirrup, bolt) not bent, worn or otherwise damaged?

Never rework shackles

Manipulations such as welding, heating or bending of the products have a negative effect on the working load limit (WLL).

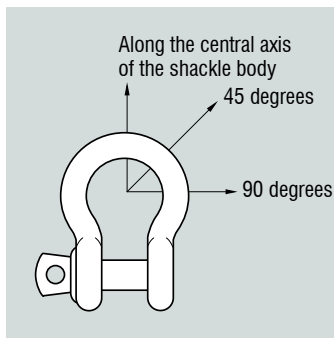
Mount bolt correctly

Tighten the shackle bolt hand-tight and then tighten it with a wrench or pliers so that the collar of the bolt lies flat against the shackle eye. The shackle bolt must be so long that the bolt can be screwed completely into the shackle eye.

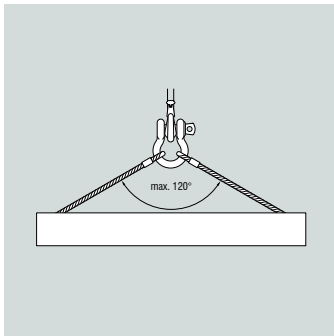


Avoid lateral loads

If lateral loads cannot be avoided, the working load limit of the shackle must be reduced!

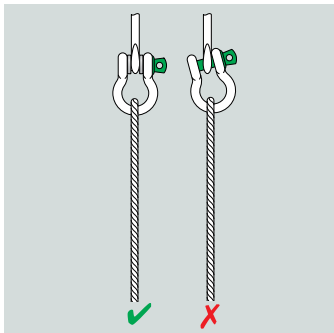


Example: Pull with deviation 45° from the central axis of the shackle body reduces the working load limit by at least 30 %. Pull with deviation 90° from the central axis of the shackle body reduces it by at least 50 %.



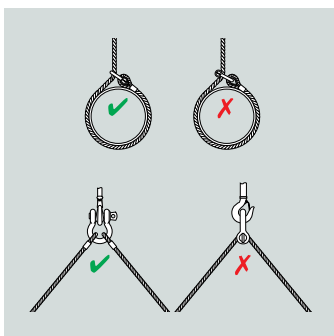
With two legs: use a curved shackle

A curved shackle must be used to connect two legs with the hook or flange of a lifting device. The legs of the suspension gear must be attached to the shackle body (stirrup) and the shackle bolt must be positioned in the hook (on the flange). The angle between the legs must not exceed a maximum of 120° (= lateral angle of inclination max 60°). With a symmetrically suspended load, the shackle can be loaded with the maximum specified WLL under these conditions.



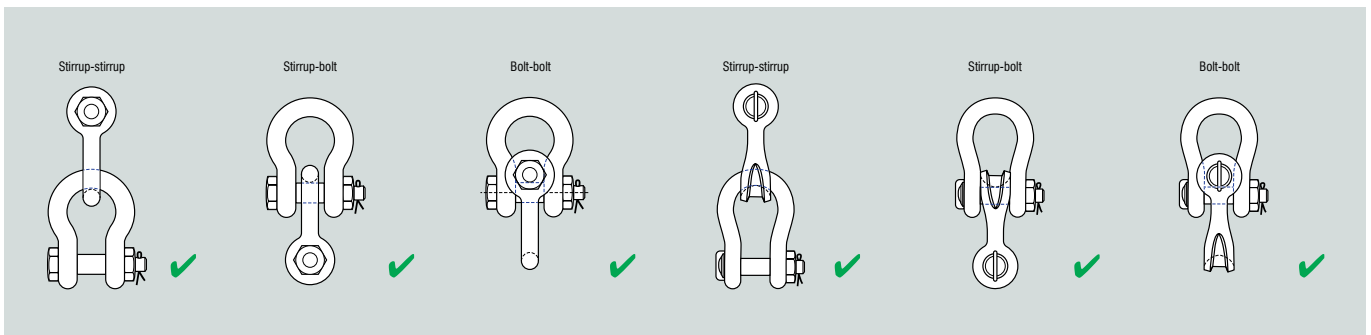
Avoid eccentric loading of the shackle

Insert loose intermediate pieces on both sides of the shackle bolt. No welding of intermediate pieces or bending of the opening!



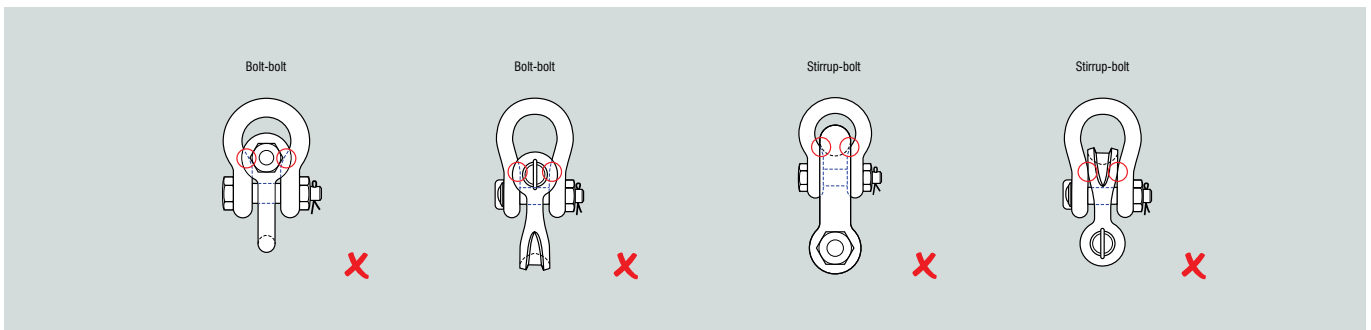
Avoid unscrewing of the shackle bolt

Avoid applications where the shackle bolt could rotate and unscrew due to movements (e.g. of the load or the rope). If a movement cannot be avoided, or if the shackle is to be installed for a lengthy period of time, or if maximum bolt security is required: use a design with safety bolt, nut and cotter pin.



Point load: pay attention to the size of the shackle stirrup

In the case of point loading of shackles in lifting procedures, the minimum diameter of the rounded component to be lifted must be greater than or equal to the diameter of the shackle stirrup.



Use shackle-shackle combinations correctly

Shackles can also be used together. An increase in the contact area through the use of larger diameters and/or stirrup fittings can be advantageous. In general:

The maximum load of the configuration is limited by the component with the lowest WLL ("weakest link in the chain"). For bolt-bolt combinations, the rule is: If the shackle eyes touch each other and the bolts therefore do not carry the full load, an impermissible spreading effect occurs on the contact surfaces shown here. This configuration may not be used.

Observe national testing standards

Shackles must be regularly tested at least according to the standards of the country in which the products are used. This is necessary because, in use, the products can be deformed by wear, incorrect use, etc., which changes the material structure and thus the performance.

Take advantage of our services!

We support you with inspections for the safety and discarding time of your attachment devices.



Services

- ▶ Order scheduling
- ▶ Mobile and stationary Inspection Service
- ▶ Instant repairs
- ▶ Spare parts service
- ▶ Modern data management

Total range:

www.pfeifer.info/mobile-services



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Switzerland

info@pfeifer-isofer.ch
+41 (0) 44-7685555

Luxembourg

info@pfeifer-sogequip.lu
+352 57 42-42

- ▶ Very gentle on textile attachment devices.
- ▶ Stirrup and bolt made of tempered high-tensile strength steel
- ▶ Safety factor: 6
- ▶ Bolt type: Eye bolt
- ▶ Shape: curved
- ▶ WLL: 0,33 t to 55 t

Technical data

- ▶ Operating temperature: -40 °C to +200 °C
- ▶ Material: High-tensile steel (quality grade 6)
- ▶ Standard: EN 13889; US Fed. Spec. RR-C-271 Type IVA Class 2, Grade A
- ▶ Bracket surface: Hot-dip galvanised
- ▶ Bolt surface: painted

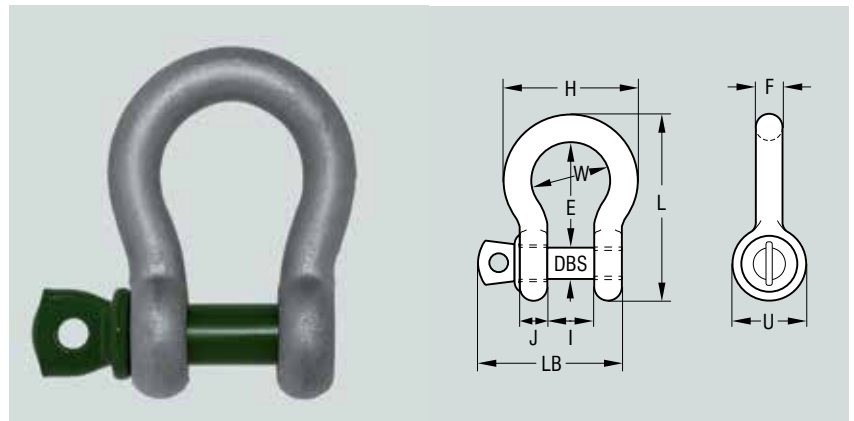
Options on request

- ▶ with RFID chip

Green Pin® Standard shackle

Curved standard shackle with eye bolt, not for permanent use and multiple occupancy.

Shackle conforms entirely to EN 13889 and to the performance specifications of the US Fed. Spec. RR-C-271 Type IVA Class 2, Grade A.



WLL		t	0,33	0,5	0,75	1	1,5	2	3,25	4,75	6,5
Diameter stud bolts	DBS	mm	6	8	10	11	13	16	19	22	25
Suspension point distance	E	mm	22	29	32	36,5	43	51	64	76	83
Clearance bracket	W	mm	16	20	22	26	29	32	43	51	58
Bracket cross-sectional diameter	F	mm	5	7	9	10	11	13,5	16	19	22
Width eye	J	mm	5	7	9	10	11	13	16	19	22
Distance eye	I	mm	9,5	12	13,5	17	19	22	27	31	36
Eye diameter	U	mm	12	16,5	20	22,5	26,5	34	40	46	52
Bracket width	H	mm	26	34	40	46	51	58	75	89	102
Overall length	L	mm	36	48,5	56	63,5	74	89	110	129	144
Bolt length	LB	mm	29,5	38	46,5	54	59,5	73	89	103	119
Weight approx.		kg	0,02	0,06	0,1	0,14	0,2	0,36	0,63	1,01	1,5
Reference no.			110847	110848	110849	110851	110852	110853	110854	110855	110856

WLL		t	8,5	9,5	12	13,5	17	25	35	42,5	55
Diameter stud bolts	DBS	mm	28	32	35	38	42	50	57	65	70
Suspension point distance	E	mm	95	108	115	133	146	178	197	222	260
Clearance bracket	W	mm	68	75	83	92	99	126	138	160	180
bracket cross-sectional diameter	F	mm	25	28	32	35	38	45	50	57	65
Width eye	J	mm	25	28	32	35	38	45	50	57	65
Distance eye	I	mm	43	47	51	57	60	74	83	95	105
Eye diameter	U	mm	59	66	72	80	88	103	111	130	145
Bracket width	H	mm	118	131	147	162	175	216	238	274	310
Overall length	L	mm	164	185	201	227	249	300	331	377	433
Bolt length	LB	mm	137	153	170	186	203	243	272	310	344
Weight approx.		kg	2,32	3,16	4,31	5,55	7,43	13,4	18,15	26,29	37,6
Reference no.			110858	110860	110861	110862	110863	110864	110865	304506	110866

- ▶ **Doubly safety thanks to split pin and safety bolt**
- ▶ **Stirrup and bolt made of tempered high-tensile strength steel**
- ▶ **Safety factor: 6**
- ▶ **Bolt type: Safety bolt, nut and cotter pin**
- ▶ **Shape: curved**
- ▶ **WLL: 0,5 t to 85 t**

Technical data

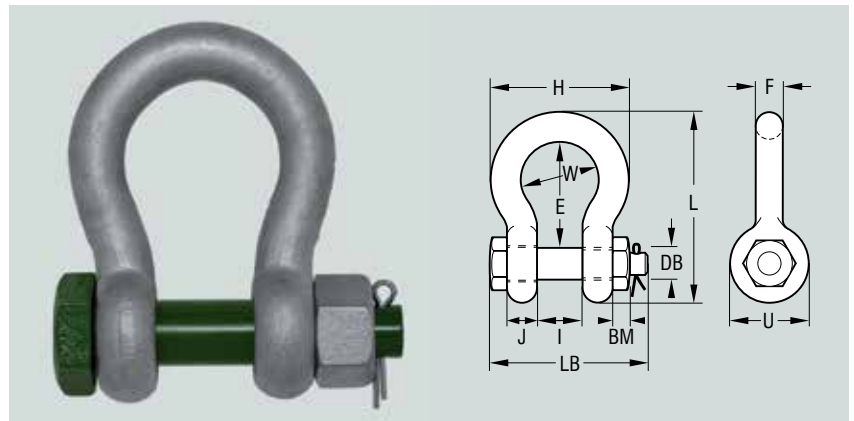
- ▶ **Operating temperature:** -40 °C to +200 °C
- ▶ **Material:** High-tensile steel (quality grade 6)
- ▶ **Standard:** EN 13889; US Fed. Spec. RR-C-271 Type IVA Class 2, Grade A
- ▶ **Bracket surface:** Hot-dip galvanised
- ▶ **Bolt surface:** painted

Options on request

- ▶ with RFID chip

Green Pin® Standard shackle

Curved standard shackle with safety bolt, nut and cotter pin for permanent use and multiple occupancy. Shackle conforms entirely to EN 13889 and to the performance specifications of the US Fed. Spec. RR-C-271 Type IVA Class 2, Grade A.



WLL		t	0,5	0,75	1	1,5	2	3,25	4,75	6,5	8,5
Suspension point distance	E	mm	29	32	36,5	43	51	64	76	83	95
Clearance bracket	W	mm	20	22	26	29	32	43	51	58	68
bracket cross-sectional diameter	F	mm	7	9	10	11	13,5	16	19	22	25
Width eye	J	mm	7	9	10	11	13	16	19	22	25
Distance eye	I	mm	12	13,5	17	19	22	27	31	36	43
Eye diameter	U	mm	16,5	20	22,5	26,5	34	40	46	52	59
Width nut	BM	mm	4	5	8	11	13	17	19	22	25
Diameter bolt	DB	mm	8	10	11	13	16	19	22	25	28
Bracket width	H	mm	34	40	46	51	58	75	89	102	118
Overall length	L	mm	48,5	56	63,5	74	89	110	129	144	164
Bolt length	LB	mm	42	50	60	67	82	98	114	130	150
Weight approx.		kg	0,06	0,11	0,16	0,22	0,42	0,74	1,18	1,8	2,58
Reference no.			136375	136376	136377	136378	112003	112005	112007	112009	112011

WLL		t	9,5	12	13,5	17	25	35	42,5	55	85
Suspension point distance	E	mm	108	115	133	146	178	197	222	260	329
Clearance bracket	W	mm	75	83	92	99	126	138	160	180	190
bracket cross-sectional diameter	F	mm	28	32	35	38	45	50	57	65	75
Width eye	J	mm	28	32	35	38	45	50	57	65	73
Distance eye	I	mm	47	51	57	60	74	83	95	105	127
Eye diameter	U	mm	66	72	80	88	103	111	130	145	162
Width nut	BM	mm	27	30	33	19	23	26	29	32	39
Diameter bolt	DB	mm	32	35	38	42	50	57	65	70	83
Bracket width	H	mm	131	147	162	175	216	238	274	310	340
Overall length	L	mm	185	201	227	249	300	331	377	433	527
Bolt length	LB	mm	166	178	197	202	249	269	301	330	380
Weight approx.		kg	3,68	4,91	6,54	8,19	14,22	19,85	28,33	39,59	62
Reference no.			112013	112015	112017	112019	112021	112023	171679	136379	146813

- ▶ **Safety factor: 6**
- ▶ **Bolt type: Eye bolt**
- ▶ **Shape: straight**
- ▶ **WLL: 0,33 t to 55 t**

Technical data

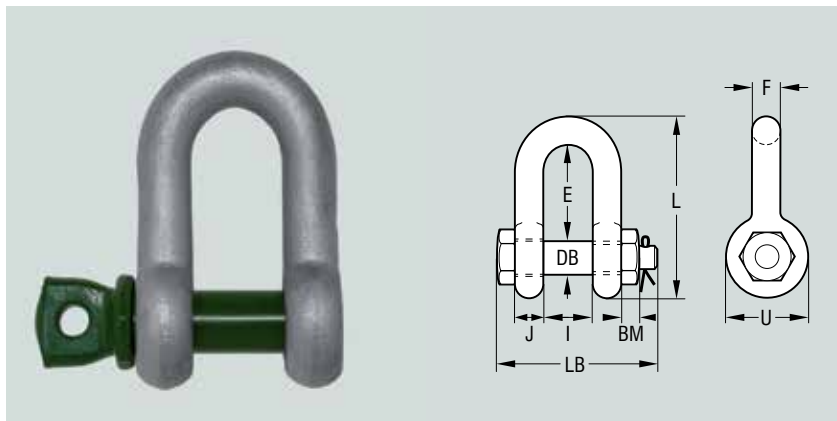
- ▶ **Operating temperature:** -40 °C to +200 °C
- ▶ **Material:** High-tensile steel (quality grade 6)
- ▶ **Standard:** EN 13889; US Fed. Spec. RR-C-271 Type IVA Class 2, Grade A
- ▶ **Bracket surface:** Hot-dip galvanised
- ▶ **Bolt surface:** painted

Options on request

- ▶ with RFID chip

Green Pin® Standard shackle

Straight standard shackle with eye bolt, not for permanent use and single occupancy.



WLL		t	0,33	0,5	0,75	1	1,5	2	3,25	4,75	6,5
Diameter stud bolts	DBS	mm	6	8	10	11	13	16	19	22	25
Suspension point distance	E	mm	19	22	26	32	37	43	51	59	73
bracket cross-sectional diameter	F	mm	5	7	9	10	11	13,5	16	19	22
Width eye	J	mm	5	7	9	10	11	13	16	19	22
Distance eye	I	mm	9,5	12	13,5	17	19	22	27	31	36
Eye diameter	U	mm	12	16,5	20	22,5	26,5	34	40	46	52
Overall length	L	mm	33	41,5	50	59	68	81	97	112	134
Bolt length	LB	mm	29,5	38	46,5	54	59,5	73	89	103	119
Weight approx.		kg	0,02	0,05	0,09	0,14	0,19	0,34	0,54	0,87	1,4
Reference no.			304511	112924	112925	112926	112927	112928	112929	112930	112931

WLL		t	8,5	9,5	12	13,5	17	25	35	42,5	55
Diameter stud bolts	DBS	mm	28	32	35	38	42	50	57	65	70
Suspension point distance	E	mm	85	90	94	115	127	149	171	190	203
bracket cross-sectional diameter	F	mm	25	28	32	35	38	45	50	57	65
Width eye	J	mm	25	28	32	35	38	45	50	57	65
Distance eye	I	mm	43	47	51	57	60	74	83	95	105
Eye diameter	U	mm	59	66	72	80	88	103	111	130	145
Overall length	L	mm	154	167	180	209	230	271	305	345	376
Bolt length	LB	mm	137	153	170	186	203	243	272	310	344
Weight approx.		kg	2,08	2,86	3,72	5,14	6,85	11,45	16,86	24,61	37,86
Reference no.			112932	112933	112934	112935	112936	112937	112938	304512	112940

- ▶ **Safety factor: 6**
- ▶ **Bolt type: Safety bolt, nut and cotter pin**
- ▶ **Shape: straight**
- ▶ **WLL: 2 t to 85 t**

Technical data

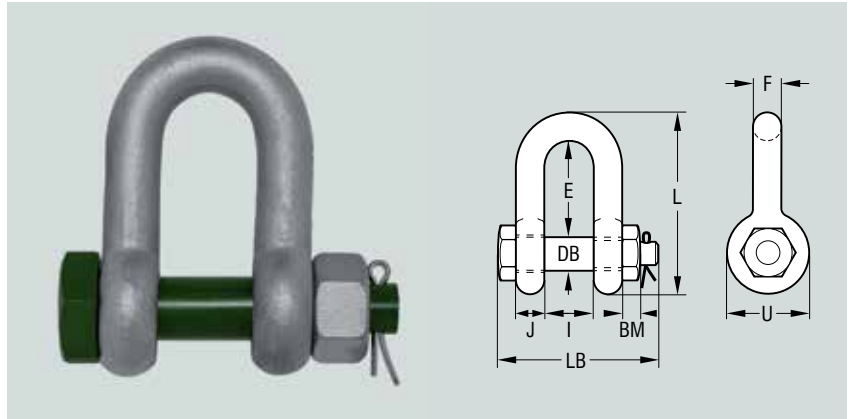
- ▶ **Operating temperature:** -40 °C to +200 °C
- ▶ **Material:** High-tensile steel (quality grade 6)
- ▶ **Standard:** EN 13889; US Fed. Spec. RR-C-271 Type IVA Class 2, Grade A
- ▶ **Bracket surface:** Hot-dip galvanised
- ▶ **Bolt surface:** painted

Options on request

- ▶ with RFID chip

Green Pin® Standard shackle

Straight standard shackle with safety bolt, nut and cotter pin for permanent use and single occupancy.



WLL		t	2	3,25	4,75	6,5	8,5	9,5	12
Suspension point distance	E	mm	43	51	59	73	85	90	94
bracket cross-sectional diameter	F	mm	13,5	16	19	22	25	28	32
Width eye	J	mm	13	16	19	22	25	28	32
Distance eye	I	mm	22	27	31	36	43	47	51
Eye diameter	U	mm	34	40	46	52	59	66	72
Width nut	BM	mm	13	17	19	22	25	27	30
Diameter bolt	DB	mm	16	19	22	25	28	32	35
Overall length	L	mm	81	97	112	134	154	167	180
Bolt length	LB	mm	82	98	114	130	150	166	178
Weight approx.		kg	0,4	0,68	1,08	1,67	2,78	3,46	5,26
Reference no.			112942	112943	112944	112945	112946	112948	112949

WLL		t	13,5	17	25	35	42,5	55	85
Suspension point distance	E	mm	115	127	149	171	190	203	229
bracket cross-sectional diameter	F	mm	35	38	45	50	57	65	75
Width eye	J	mm	35	38	45	50	57	65	73
Distance eye	I	mm	57	60	74	83	95	105	127
Eye diameter	U	mm	80	88	103	111	130	145	162
Width nut	BM	mm	33	19	23	26	29	32	39
Diameter bolt	DB	mm	38	42	50	57	65	70	83
Overall length	L	mm	209	230	271	305	345	376	427
Bolt length	LB	mm	197	202	249	269	301	330	380
Weight approx.		kg	6,94	7,63	13,04	20,65	25,94	41,05	52,97
Reference no.			112950	112951	112952	112953	227092	112954	304513

- ▶ **Safety factor: 5**
- ▶ **Bolt type: Safety bolt, nut and cotter pin**
- ▶ **Shape: curved**
- ▶ **WLL: 120 t to 1500 t**

Green Pin® Heavy-duty shackle

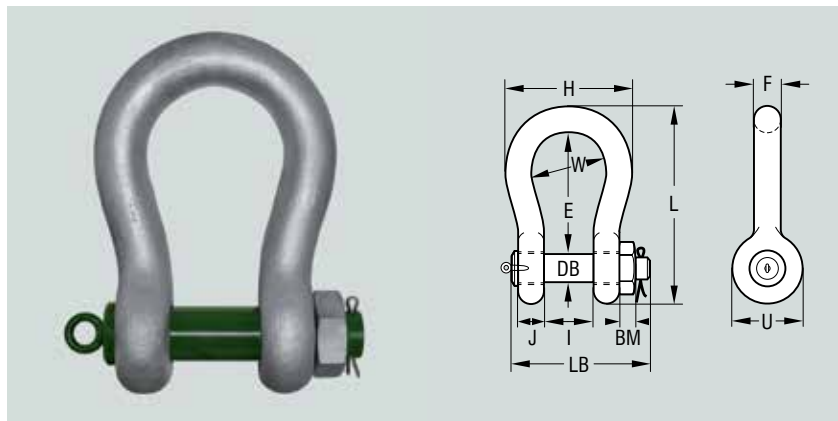
Curved shackle with safety bolt, nut and cotter pin for maximum working load limits.

Technical data

- ▶ **Operating temperature:** -40 °C to +200 °C
- ▶ **Material:** Alloyed steel (quality grade 8)
- ▶ **Standard:** ASME B30.26
- ▶ **Bracket surface:** painted (120 t hot-dip galvanised)
- ▶ **Bolt surface:** painted

Options on request

- ▶ with RFID chip



WLL		t	120	150	200	250	300	400	500
Suspension point distance	E	mm	400	410	513	554	618	668	718
Clearance bracket	W	mm	238	275	290	305	305	325	350
bracket cross-sectional diameter	F	mm	95	105	120	130	140	170	180
Width eye	J	mm	91	102	113	118	123	164	164
Distance eye	I	mm	147	169	179	205	205	231	256
Eye diameter	U	mm	208	238	279	299	325	376	398
Width nut	BM	mm	50	60	60	65	70	70	70
Diameter bolt	DB	mm	95	108	130	140	150	175	185
Bracket width	H	mm	428	485	530	565	585	665	710
Overall length	L	mm	647	688	838	904	996	1114	1190
Bolt length	LB	mm	440	490	520	560	575	690	720
Weight approx.		kg	110	160	235	285	340	560	685
Reference no.			222517	304514	304515	222518	304516	304517	304518

WLL		t	600	700	800	900	1000	1250	1500
Suspension point distance	E	mm	718	718	718	718	718	768	818
Clearance bracket	W	mm	375	400	400	420	420	450	450
bracket cross-sectional diameter	F	mm	200	210	210	220	240	260	280
Width eye	J	mm	189	204	204	215	215	230	230
Distance eye	I	mm	282	308	308	328	349	369	369
Eye diameter	U	mm	444	454	464	485	515	585	625
Width nut	BM	mm	70	70	70	70	70	70	70
Diameter bolt	DB	mm	205	215	220	230	240	270	290
Bracket width	H	mm	775	820	820	860	900	970	1010
Overall length	L	mm	1243	1263	1270	1296	1336	1456	1556
Bolt length	LB	mm	810	870	870	920	940	1025	1025
Weight approx.		kg	880	980	1100	1280	1460	1990	2400
Reference no.			304519	304520	304521	304522	304523	304524	304525

- ▶ **Safety factor: 6**
- ▶ **Bolt type: Safety bolt, nut and cotter pin**
- ▶ **Shape: curved**
- ▶ **WLL: 4,75 t to 75 t**

Technical data

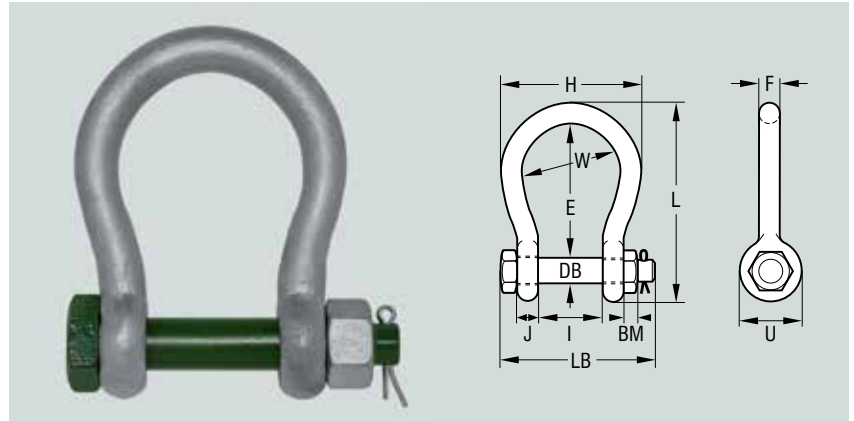
- ▶ **Operating temperature:** -20 °C to +200 °C
- ▶ **Material:** Alloyed steel (quality grade 8)
- ▶ **Standard:** ASME B30.26
- ▶ **Colour:** green
- ▶ **Bracket surface:** Hot-dip galvanised
- ▶ **Bolt surface:** painted

Options on request

- ▶ with RFID chip

Green Pin® wide-bowl shackle

Curved shackle for larger connection dimensions with safety bolt, nut and cotter pin.



WLL		t	4,75	6,5	8,5	9,5	12
Suspension point distance	E	mm	112	135	148	162	180
Clearance bracket	W	mm	88	105	115	126	140
bracket cross-sectional diameter	F	mm	22	25	28	32	35
Width eye	J	mm	22	25	28	32	35
Distance eye	I	mm	63	75	82	90	100
Eye diameter	U	mm	52	59	66	72	79
Width nut	BM	mm	22	25	27	30	33
Diameter bolt	DB	mm	25	28	32	35	38
Bracket width	H	mm	132	155	171	190	210
Overall length	L	mm	173	204	225	248	274
Bolt length	LB	mm	157	183	205	224	245
Weight approx.		kg	2,08	3,14	4,36	5,95	7,87
Reference no.			279345	279346	279347	279349	279316

WLL		t	16	25	30	55	75
Suspension point distance	E	mm	216	248	273	314	330
Clearance bracket	W	mm	159	175	207	213	254
bracket cross-sectional diameter	F	mm	38	45	50	65	83
Width eye	J	mm	38	45	50	65	83
Distance eye	I	mm	106	127	146	165	184
Eye diameter	U	mm	88	103	118	145	164
Width nut	BM	mm	19	23	26	32	39
Diameter bolt	DB	mm	42	50	57	70	83
Bracket width	H	mm	235	265	307	343	420
Overall length	L	mm	319	370	411	487	537
Bolt length	LB	mm	248	296	332	391	460
Weight approx.		kg	12,5	18	25	45	70
Reference no.			279350	279351	279352	279318	279353

- ▶ **Safety factor: 5**
- ▶ **Bolt type: Safety bolt, nut and cotter pin**
- ▶ **Shape: curved**
- ▶ **WLL: 7 t to 150 t**

Technical data

- ▶ **Operating temperature:** -20 °C to +200 °C
- ▶ **Material:** Alloyed steel (quality grade 8)
- ▶ **Colour:** green
- ▶ **Bracket surface:** painted (7 t-55 t hot-dip galvanized)
- ▶ **Bolt surface:** painted (shackle 7 t-55 t hot-dip galvanized)

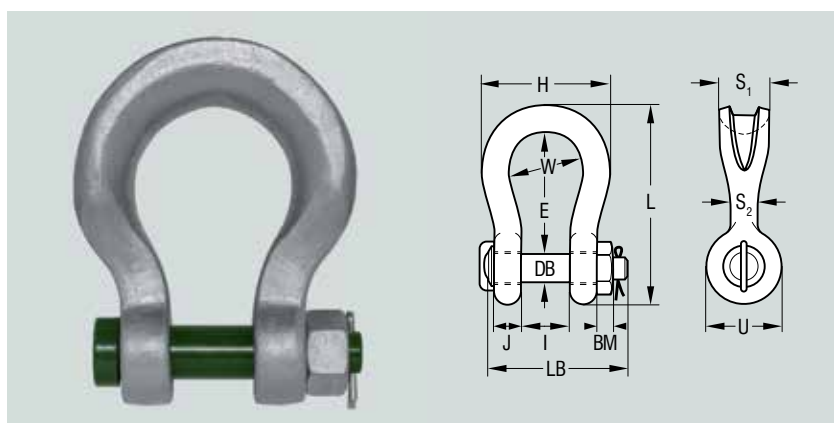
Options on request

- ▶ with RFID chip; Working load limits > 150 t

Green Pin® sling shackle

Curved shackle with large contact surface, safety bolt, nut and cotter pin.

A larger stirrup radius improves the ratio of the radii between the attachment devices. This considerably extends the service life of the suspension gear.



WLL		t	7	12,5	18	30	40	55	75	125	150
Suspension point distance	E	mm	96	121	148	165	199	240	290	366	391
Clearance bracket	W	mm	64	82	102	126	140	160	185	220	253
Width eye	J	mm	19	25	30	35	45	55	54	85	89
Distance eye	I	mm	32	44	54	69	84	90	110	137	147
Eye diameter	U	mm	46	61	69	90	109	115	125	154	179
Width nut	BM	mm	19	24	29	34	38	45	54	64	50
Diameter bolt	DB	mm	22	28	35	42	51	57	70	80	95
Bracket width	H	mm	110	146	180	200	235	270	317	390	434
Overall length	L	mm	153	197	239	279	331	389	473	583	645
Bolt length	LB	mm	115	151	175	211	252	299	327	426	435
Suspension point strength	S ₁	mm	41	54	64	79	97	100	120	150	170
Bracket size	S ₂	mm	22	28	35	40	55	60	68	85	94
Weight approx.		kg	2	4,54	7	13	21	30	53	92	140
Reference no.			243661	243662	243663	243664	235880	226293	235881	235882	235883

- ▶ **Safety factor: 5**
- ▶ **Bolt type: Safety bolt, nut and cotter pin**
- ▶ **Shape: curved**
- ▶ **WLL: 3,3 t to 175 t**

Green Pin® Super shackle

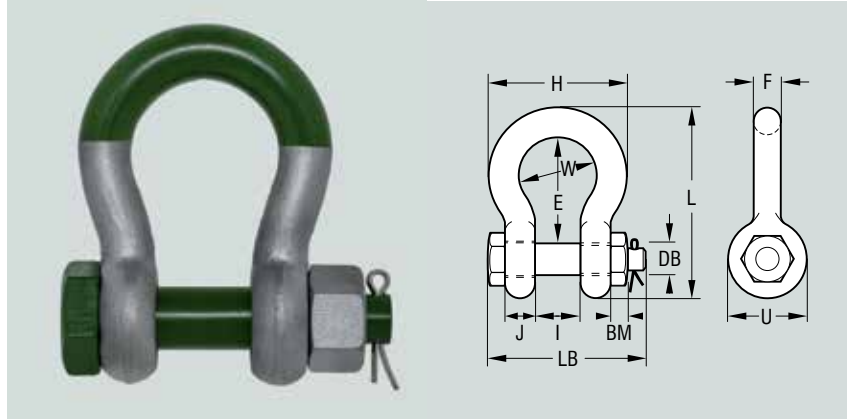
Curved shackle with high working load limit and compact dimensions with safety bolt, nut and cotter pin.

Technical data

- ▶ **Operating temperature:** -20 °C to +200 °C
- ▶ **Material:** Alloyed steel (quality grade 8)
- ▶ **Standard:** US Fed. Spec. RR-C-271 Type IVA Class 3, Grade B
- ▶ **Bracket surface:** hot-dip galvanised (175 t painted)
- ▶ **Bolt surface:** painted

Options on request

- ▶ with RFID chip



WLL		t	3,3	5	7	9,5	12,5	15	18	21
Suspension point distance	E	mm	51	64	76	83	95	108	115	133
Clearance bracket	W	mm	32	43	51	58	68	75	83	92
bracket cross-sectional diameter	F	mm	13,5	16	19	22	25	28	32	35
Width eye	J	mm	13	16	19	22	25	28	32	35
Distance eye	I	mm	22	27	31	36	43	47	51	57
Eye diameter	U	mm	34	40	46	52	59	66	72	80
Width nut	BM	mm	13	17	19	22	25	27	30	33
Diameter bolt	DB	mm	16	19	22	25	28	32	35	38
Bracket width	H	mm	58	75	89	102	118	131	147	162
Overall length	L	mm	89	110	129	144	164	185	201	227
Bolt length	LB	mm	82	98	114	130	150	166	178	197
Weight approx.		kg	0,4	0,79	1,19	1,73	2,56	3,6	4,95	6,62
Reference no.			304551	263373	304553	304554	304555	304556	304557	304558

WLL		t	30	40	55	85	120	150	175
Suspension point distance	E	mm	146	178	197	260	329	400	410
Clearance bracket	W	mm	99	126	138	180	190	238	275
bracket cross-sectional diameter	F	mm	38	45	57	70	83	95	105
Width eye	J	mm	38	45	57	70	83	91	102
Distance eye	I	mm	60	74	83	105	127	147	169
Eye diameter	U	mm	88	103	117	143	162	208	238
Width nut	BM	mm	34	40	46	56	66	50	60
Diameter bolt	DB	mm	42	50	57	70	83	95	108
Bracket width	H	mm	175	216	252	320	356	428	485
Overall length	L	mm	249	300	341	437	535	647	688
Bolt length	LB	mm	217	260	303	363	425	511	561
Weight approx.		kg	8,11	15	23	44	72	112	160
Reference no.			304559	242568	276008	218640	212979	212980	304560

- ▶ **Safety factor: 6**
- ▶ **Bolt type: Eye bolt**
- ▶ **Shape: straight**
- ▶ **WLL: 0,5 t to 55 t**

Technical data

▶ Operating temperature:

0 °C to +100 °C = 100 % working load limit;
 0 °C to 10 °C and +100 °C to +150 °C = 75 %
 working load limit; -10 °C to -20 °C and
 +150 °C to +200 °C = 50 % working load limit

▶ Standard: similar to US Fed. Spec. RR-C-271

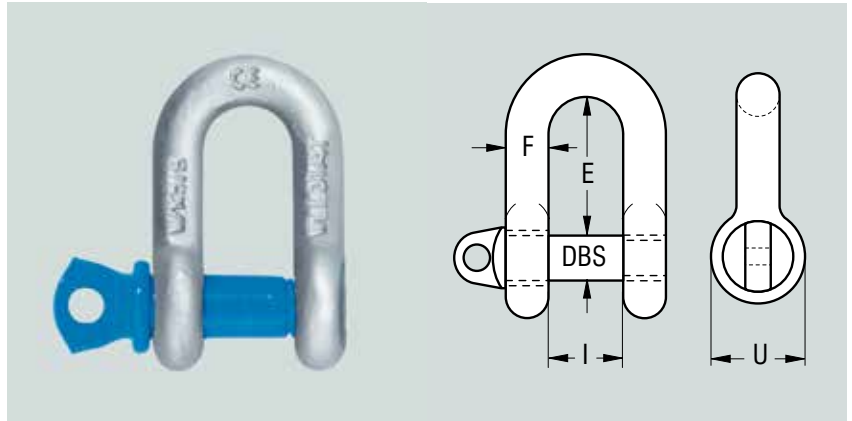
▶ Colour: blue

▶ Bracket surface: Hot-dip galvanised

▶ Bolt surface: painted

High-strength shackle

Straight high-strength shackle with eye bolt, ideal for single occupation.



WLL		t	0,5	0,75	1	1,5	2	3,25	4,75	6,5
Diameter stud bolts	DBS	mm	8	10	12	14	16	19	22	25
Suspension point distance	E	mm	22	26	31	36	41	51	60	71
bracket cross-sectional diameter	F	mm	6	8	9	11	13	16	19	22
Distance eye	I	mm	12	13	16	18	21	27	32	36
Eye diameter	U	mm	17	21	26	28	30	42	48	57
Weight approx.		kg	0,05	0,08	0,13	0,17	0,3	0,57	0,98	1,46
Reference no.			435821	435823	435824	435825	435827	435828	435829	435830

WLL		t	8,5	9,5	12	13,5	17	25	35	55
Diameter stud bolts	DBS	mm	28	32	35	38	42	50	55	70
Suspension point distance	E	mm	81	90	100	113	124	146	171	203
bracket cross-sectional diameter	F	mm	25	28	32	35	38	44	50	62
Distance eye	I	mm	43	46	52	57	60	73	83	105
Eye diameter	U	mm	62	69	78	86	94	112	127	152
Weight approx.		kg	1,96	2,75	4,11	5,2	6,81	11,3	16,5	34,2
Reference no.			435832	435833	435834	435835	435836	435837	436298	436299

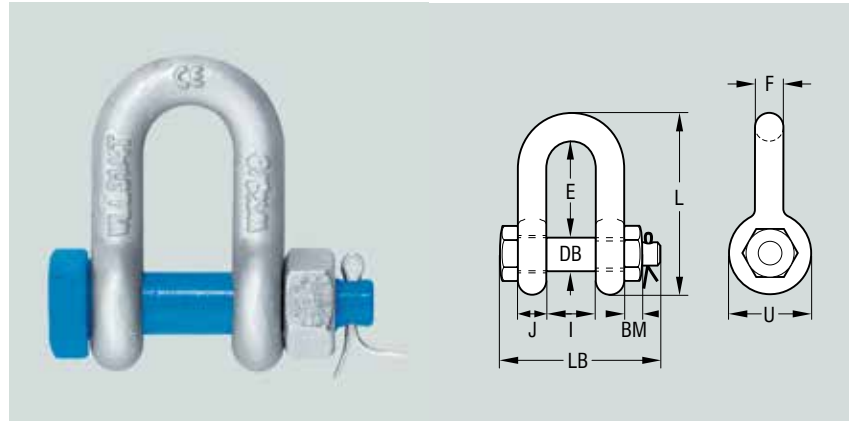
- ▶ **Safety factor: 6**
- ▶ **Bolt type: Safety bolt, nut and cotter pin**
- ▶ **Shape: straight**
- ▶ **WLL: 0,5 t to 55 t**

Technical data

- ▶ **Operating temperature:**
 0 °C to +100 °C = 100 % working load limit;
 0 °C to 10 °C and +100 °C to +150 °C = 75 % working load limit;
 -10 °C to -20 °C and +150 °C to +200 °C = 50 % working load limit
- ▶ **Standard:** similar to US Fed. Spec. RR-C-271
- ▶ **Colour:** blue
- ▶ **Bracket surface:** Hot-dip galvanised
- ▶ **Bolt surface:** painted

High-strength shackle

Straight high-strength shackle with safety bolt, nut and cotter pin, ideal for single occupation.



WLL		t	0,5	0,75	1	1,5	2	3,25	4,75	6,5
Suspension point distance	E	mm	22	26	31	36	41	51	60	71
bracket cross-sectional diameter	F	mm	6	8	9	11	13	16	19	22
Distance eye	I	mm	12	13	16	18	21	27	32	36
Eye diameter	U	mm	17	21	26	28	30	42	48	57
Diameter bolt	DB	mm	8	10	12	14	16	19	22	25
Weight approx.		kg	0,06	0,1	0,144	0,18	0,32	0,65	1,03	1,62
Reference no.			435839	435842	435843	435846	435848	435849	435850	435851

WLL		t	8,5	9,5	12	13,5	17	25	35	55
Suspension point distance	E	mm	81	90	100	113	124	146	171	203
bracket cross-sectional diameter	F	mm	25	28	32	35	38	44	50	62
Distance eye	I	mm	43	46	52	57	60	73	83	105
Eye diameter	U	mm	62	69	78	86	94	112	127	152
Diameter bolt	DB	mm	28	32	35	38	42	50	55	70
Weight approx.		kg	2,18	2,87	4,6	6	7,69	12,69	17,9	37,8
Reference no.			435852	435853	435854	435856	435857	435860	436296	436297

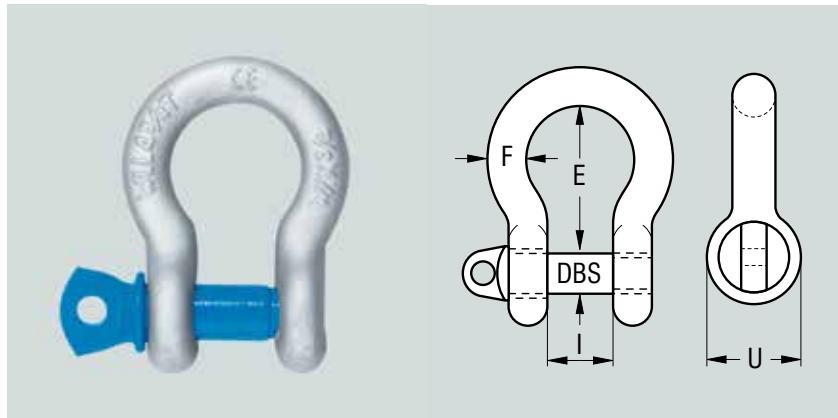
- ▶ **Safety factor: 6**
- ▶ **Bolt type: Eye bolt**
- ▶ **Shape: curved**
- ▶ **WLL: 0,5 t to 55 t**

Technical data

- ▶ **Operating temperature:**
0 °C to +100 °C = 100 % working load limit;
0 °C to 10 °C and +100 °C to +150 °C = 75 % working load limit; -10 °C to -20 °C and +150 °C to +200 °C = 50 % working load limit
- ▶ **Standard:** similar to US Fed. Spec. RR-C-271
- ▶ **Colour:** blue
- ▶ **Bracket surface:** Hot-dip galvanised
- ▶ **Bolt surface:** painted

High-strength shackle

Curved high-strength shackle with eye bolt, ideal for multiple occupation.



WLL		t	0,5	0,75	1	1,5	2	3,25	4,75	6,5
Diameter stud bolts	DBS	mm	8	10	12	14	16	19	22	25
Suspension point distance	E	mm	28	31	36	42	48	60	71	84
bracket cross-sectional diameter	F	mm	6	8	10	11	13	16	19	22
Distance eye	I	mm	12	13	16	18	21	27	32	36
Eye diameter	U	mm	17	21	26	28	30	42	48	57
Weight approx.		kg	0,05	0,08	0,15	0,2	0,31	0,62	1	1,58
Reference no.			435745	435748	435754	435758	435759	435762	435765	435766

WLL		t	8,5	9,5	12	13,5	17	25	35	55
Diameter stud bolts	DBS	mm	28	32	35	38	42	50	55	70
Suspension point distance	E	mm	95	109	119	133	146	178	197	267
bracket cross-sectional diameter	F	mm	25	29	32	35	38	44	51	62
Distance eye	I	mm	43	46	52	57	60	73	83	105
Eye diameter	U	mm	62	69	78	86	94	112	127	152
Weight approx.		kg	2,3	3,05	4,31	5,98	7,21	12,7	18,2	40,2
Reference no.			435767	435768	435769	435770	435771	435772	436291	436293

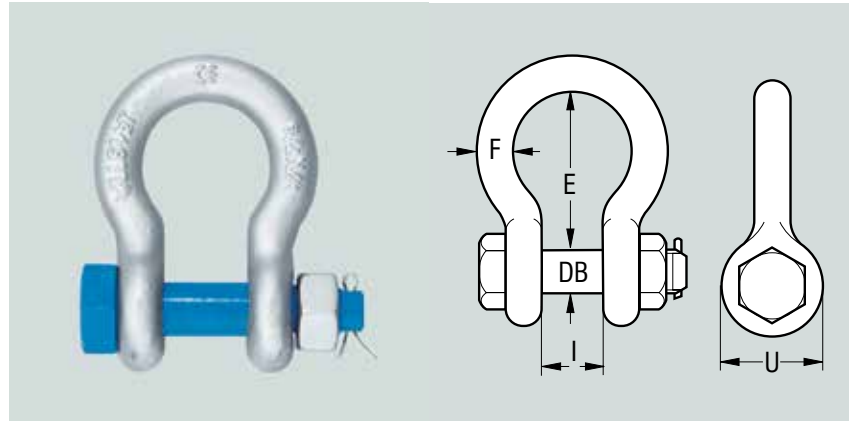
- ▶ **Safety factor: 6**
- ▶ **Bolt type: Safety bolt, nut and cotter pin**
- ▶ **Shape: curved**
- ▶ **WLL: 0,5 t to 55 t**

Technical data

- ▶ **Operating temperature:**
 0 °C to +100 °C = 100 % working load limit;
 0 °C to 10 °C and +100 °C to +150 °C = 75 % working load limit; -10 °C to -20 °C and +150 °C to +200 °C = 50 % working load limit
- ▶ **Standard:** similar to US Fed. Spec. RR-C-271
- ▶ **Colour:** blue
- ▶ **Bracket surface:** Hot-dip galvanised
- ▶ **Bolt surface:** painted

High-strength shackle

Curved high-strength shackle with safety bolt, nut and cotter pin, ideal for multiple occupation.



WLL		t	0,5	0,75	1	1,5	2	3,25	4,75	6,5
Suspension point distance	E	mm	28	31	36	42	48	60	71	84
bracket cross-sectional diameter	F	mm	6	8	10	11	13	16	19	22
Distance eye	I	mm	12	13	16	18	21	27	32	36
Eye diameter	U	mm	17	21	26	28	30	42	48	57
Diameter bolt	DB	mm	8	10	12	14	16	19	22	25
Weight approx.		kg	0,07	0,1	0,15	0,21	0,34	0,68	1,11	1,58
Reference no.			435789	435791	435793	435795	435797	435799	435804	435808

WLL		t	8,5	9,5	12	13,5	17	25	35	55
Suspension point distance	E	mm	95	109	119	133	146	178	197	267
bracket cross-sectional diameter	F	mm	25	29	32	35	38	44	51	62
Distance eye	I	mm	43	46	52	57	60	73	83	105
Eye diameter	U	mm	62	69	78	86	94	112	127	152
Diameter bolt	DB	mm	28	32	35	38	42	50	55	70
Weight approx.		kg	2,35	3,22	4,98	6,36	8,14	14,29	20,1	43,6
Reference no.			435810	435812	435815	435817	435819	435820	436294	436295

- ▶ **Safety factor: 5**
- ▶ **Bolt type: Eye bolt**
- ▶ **Shape: straight**
- ▶ **WLL: 0,1 t to 25 t**

Technical data

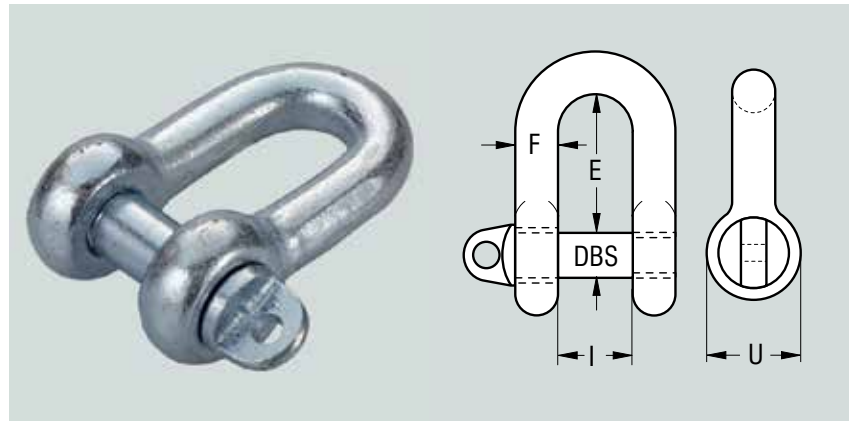
- ▶ **Operating temperature:** 0 °C to 100 °C;
reduced working load limit outside this range
- ▶ **Standard:** similar to DIN 82101
- ▶ **Bracket surface:** galvanized
- ▶ **Bolt surface:** galvanized
- ▶ **Country of origin:** Outside the European Economic Area

Options on request

- ▶ with bolt, nut and split pin

Shackles similar to DIN 82101

Straight shackle similar to DIN 82101 (form A) with eye bolt.
Galvanized version resists corrosion.



WLL		kg	100	160	250	400	600	1000	1600	2000	2500	3000
Diameter stud bolts	DBS	mm	4	6	8	10	12	16	20	22	24	27
Suspension point distance	E	mm	15,5	18	24	30	36	49	61	67	73	83,5
bracket cross-sectional diameter	F	mm	4	5	7	8	10	13	17	19	21	24
Distance eye	I	mm	7	8	11	14	17	21	27	30	33	38
Eye diameter	U	mm	10	12	16	20	24	32	40	44	48	54
Weight approx.		kg	0,01	0,02	0,05	0,09	0,17	0,29	0,57	1	1,32	1,8
Reference no.			111836	111838	111840	111842	111845	111850	111855	111861	111865	111869

WLL		kg	4000	5000	6000	8000	10000	12000	16000	20000	25000
Diameter stud bolts	DBS	mm	30	36	39	45	48	52	60	68	72
Suspension point distance	E	mm	91	111	119,5	139,5	147	158	185	211	221
bracket cross-sectional diameter	F	mm	27	30	34	38	42	47	52	58	63
Distance eye	I	mm	42	47	53	60	66	73	81	90	100
Eye diameter	U	mm	60	72	78	90	96	104	120	136	144
Weight approx.		kg	2,4	3,9	5,3	7,9	10	13	18,5	27,2	35
Reference no.			111875	111881	111886	111889	111892	111895	111898	111901	111903

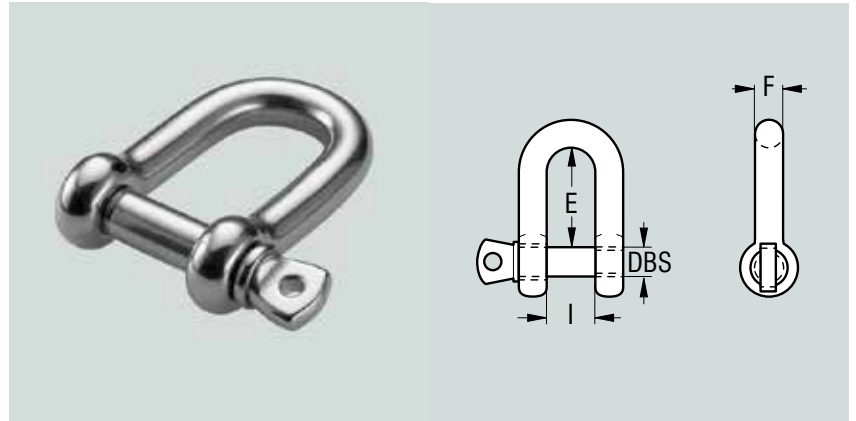
- ▶ **Corrosion-resistant**
- ▶ **Safety factor: 5**
- ▶ **Bolt type: Eye bolt**
- ▶ **Shape: straight**
- ▶ **WLL: 0,12 t to 3 t**

Technical data

- ▶ **Material:** stainless steel
- ▶ **Standard:** similar to DIN 82102
- ▶ **Bracket surface:** stainless steel
- ▶ **Bolt surface:** stainless steel
- ▶ **Country of origin:** Outside the European Economic Area

Stainless steel shackle

Straight stainless steel shackle similar to DIN 82102 with eye bolt.



WLL		kg	120	150	300	400	600
Diameter stud bolts	DBS	mm	5	6	8	10	12
Suspension point distance	E	mm	20	24	32	40	48
bracket cross-sectional diameter	F	mm	5	6	8	10	12
Distance eye	I	mm	10	12	16	20	24
Weight approx.		kg	0,018	0,028	0,064	0,15	0,2
Reference no.			111990	111991	111992	111993	111994

WLL		kg	1000	1500	2000	3000
Diameter stud bolts	DBS	mm	16	19	22	25
Suspension point distance	E	mm	64	76	88	100
bracket cross-sectional diameter	F	mm	16	19	22	25
Distance eye	I	mm	32	38	45	50
Weight approx.		kg	0,48	0,84	1,27	1,84
Reference no.			111997	111998	111999	112000

Turnbuckles

Turnbuckles connect two rope end terminations and make it possible to increase or loosen the tension. Our turnbuckles are available in many executions.

Please note: Unless expressly mentioned, turnbuckles are not suitable for lifting loads, but only for fastening or tensioning.

► WLL: 0,54 t to 3,27 t

Technical data

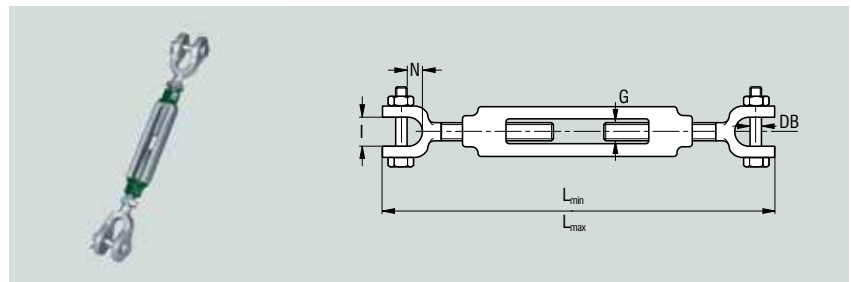
- **Material:** high-strength
- **Surface:** galvanized
- **Safety factor:** 5
- **Standard:** similar to ASTM F1145-92 (formally U.S. Federal Specification FF-T-791b)

Options on request

- further sizes; Further versions; with stop collar

Green Pin® turnbuckles with 2 forks

Turnbuckle with two forks, designed for straight assembly for tensioning or lashing. The turnbuckles are also suitable for lifting tasks.



WLL		kg	540	1000	1000	1590	1590	2360	2360	2360	2360	3270	3270
Thread Inch			3/8	1/2	1/2	5/8	5/8	3/4	3/4	3/4	3/4	7/8	7/8
Overall length min	L _{min}	mm	304	343	418	406	557	439	514	590	740	638	790
Overall length max	L _{max}	mm	440	474	627	529	803	557	710	862	1166	903	1209
Diameter bolt	DB	mm	7	10	10	13	13	16	16	16	16	19	19
Distance suspension point to fork base	N	mm	21	26	26	32	32	38	38	38	38	42	42
Fork internal width	I	mm	12	16	16	18	18	24	24	24	24	27	27
Weight approx.		kg	0,55	0,96	1,18	1,75	2,43	2,7	3,23	3,57	4,55	5,22	6,56
Reference no.			110727	110728	110729	110732	110734	110736	110737	110738	110740	110742	110745

Locknuts are included with order.

► WLL: 0,54 t to 3,27 t

Technical data

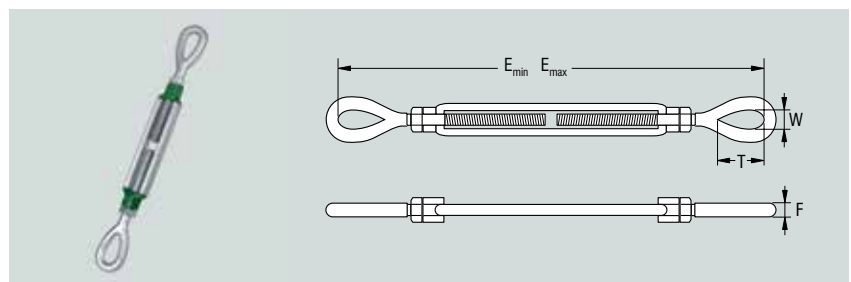
- **Material:** forged, high-tensile steel SAE 1035 or 1045
- **Surface:** Hot-dip galvanized
- **Safety factor:** 5
- **Standard:** similar to ASTM F1145-92 (formally U.S. Federal Specification FF-T-791b)

Options on request

- further sizes; Further versions; with stop collar

Green Pin® turnbuckles with 2 eyes

Turnbuckle with two eyes, designed for straight assembly for tensioning or lashing. The turnbuckles are also suitable for lifting tasks.



WLL		kg	540	1000	1000	1000	1590	1590	1590
Thread Inch			3/8	1/2	1/2	1/2	5/8	5/8	5/8
Distance suspension points min	E _{min}	mm	292	325	400	476	380	455	531
Distance suspension points max	E _{1max}	mm	428	455	608	760	503	656	808
Cross-sectional diameter eEye	F	mm	10	12	12	12	14	14	14
Clearance eye	W	mm	13	18	18	18	21	21	21
Clear height eye	T	mm	29	36	36	36	45	45	45
Weight approx.		kg	0,48	0,81	1,07	0,91	1,33	1,31	1,71
Reference no.			222789	237427	237428	237429	237430	237431	237433

WLL		kg	2360	2360	2360	2360	3270	3270	
Thread Inch			3/4	3/4	3/4	3/4	7/8	7/8	
Distance suspension points min	E _{min}	mm	413	490	564	718	604	756	
Distance suspension points max	E _{1max}	mm	532	685	837	1143	870	1174	
Cross-sectional diameter eEye	F	mm	17	17	17	17	20	20	
Clearance eye	W	mm	26	26	26	26	31	31	
Clear height eye	T	mm	54	54	54	54	61	61	
Weight approx.		kg	2,03	2,47	2,9	3,94	4,31	5,51	
Reference no.			237434	237435	236150	237436	237437	236151	

Locknuts are included with order.

DIN chains

Our DIN chains according to DIN 766, DIN 763 and 5685 are used for bracing, fastening, static suspension and hanging and closing off.

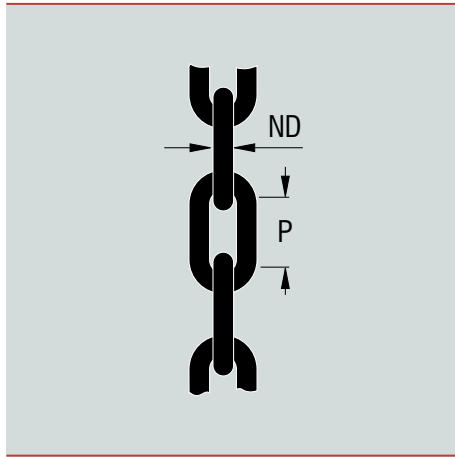
Please note that DIN chains are not suitable for attaching or lashing loads.

Please choose here from our chain slings (see page 69) or from our lashing chains ([see page 490](#)).

- ▶ Short link
- ▶ Standard: DIN 766

Technical data

- ▶ Chain surface: galvanized



Round steel chain

Tested short link round steel chain in true-to-gauge version.

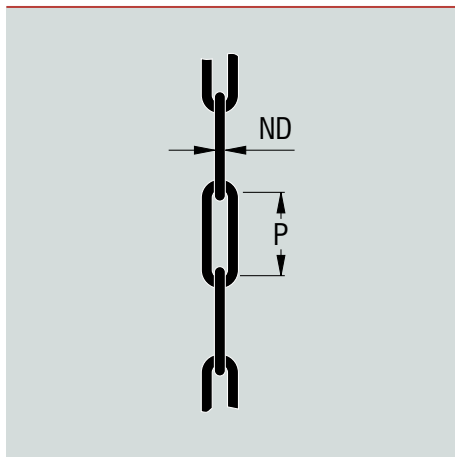
CAUTION: Chains must not be used in chain slings.

Breaking force		kN	8	12,5	16	32	50
Nominal size of chain	ND	mm	4	5	6	8	10
Chain pitch	p	mm	16	18,5	18,5	24	28
Format			collar	collar	collar	collar	collar
Overall length		m	30	30	30	30	30
Weight approx.		kg	9,6	15	24	42	69
Reference no.			201726	201727	201728	201729	201730

- ▶ Long link
- ▶ Standard: DIN 763

Technical data

- ▶ Chain surface: galvanized



Round steel chain

Tested long link round steel chain, not true-to-gauge.

Only for secondary areas of use, e.g. barriers.

Suitable for static suspensions.

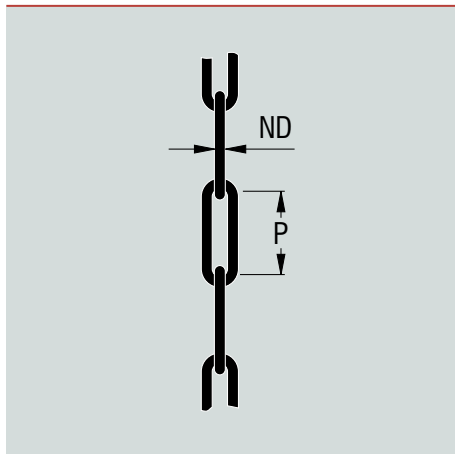
CAUTION: Chains must not be used in chain slings.

Breaking force		kN	6,3	10	12,5	25	40
Nominal size of chain	ND	mm	4	5	6	8	10
Chain pitch	p	mm	32	35	42	52	65
Format			collar	collar	collar	collar	collar
Overall length		m	30	30	30	30	30
Weight approx.		kg	8,1	12,9	18,9	33	52,5
Reference no.			201731	201732	201733	201734	201735

- ▶ Long link
- ▶ Standard: DIN 5685

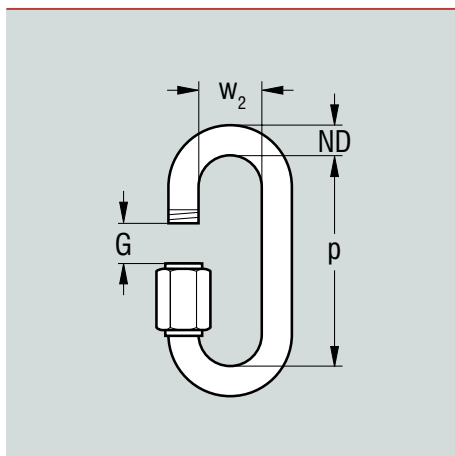
Technical data

- ▶ Chain surface: galvanized



Options on request

- ▶ Further versions (e.g. large aperture, matt black, tested working load limit)



Round steel chain

Long-link round steel chain, not tested, not true-to-gauge.

Only for secondary areas of use, e.g. barriers.

CAUTION: Chains must not be used in chain slings.

Load limit max		kg	80	125	160	320	500
Nominal size of chain	ND	mm	4	5	6	8	10
Chain pitch	p	mm	32	35	42	52	65
Format			collar	collar	collar	collar	collar
Overall length		m	30	30	30	30	30
Weight approx.		kg	8,1	12,9	18,9	33	52,5
Reference no.			201736	201737	201738	201739	201740

Quick fastener for chains

The practical component for the simple connection and extension of DIN chains for subordinated lifting purposes.

CAUTION: Chains must not be used in chain slings.

Breaking force		kN	5	14	20	35	55
Nominal size of chain	ND	mm	4	5	6	8	10
Chain pitch	p	mm	31,5	39	45	58	69
Packing quantity		Pk	10	10	10	10	10
Chain link width, max.	w ₂	mm	11,5	13	14	17,5	20
Opening width	G	mm	5,5	6,5	7,5	11	12
Weight approx.		kg	0,14	0,2	0,36	0,78	1,46
Reference no.			201940	201941	201942	201943	201944

A close-up photograph of a worker wearing blue nitrile gloves assembling a bright red lifting hook. The hook is being attached to a larger red component. In the background, a blue tool rack is visible with various tools hanging on it, including wrenches and pliers. The scene is set in a workshop or factory environment.

We move more for you.

Fast, simple, safe – our solutions for lifting and moving goods have been known for decades for their efficiency and reliability. To keep it that way, we are continuously developing our product range and our services. With comprehensive advice, seminars and customised special solutions.

Lifting devices and winches

Lifting devices	389
Load lifting magnets	419
Winches and rope hoists	441
Weighing devices	453
Transport devices	463
Tool hydraulics	465

Hoists

For the manual and electrical lifting and lowering of loads, we offer a coordinated range of hoists that meet the latest standards and the highest safety regulations, such as the Machinery Directive.

Selection matrix: Which is the right hoist for my application?

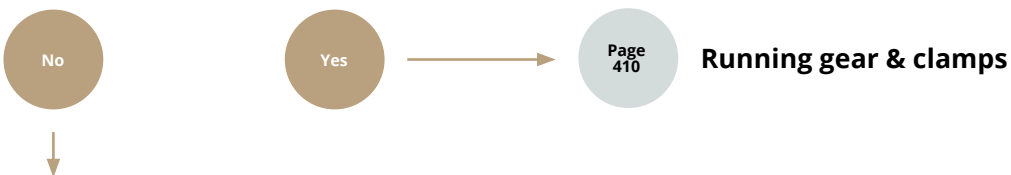
Question:

From where should the load be lifted?



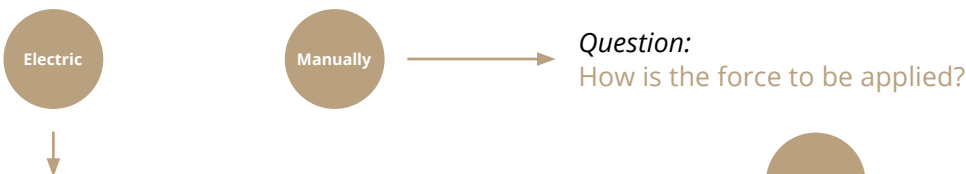
Question:

Is the hoist be fixed to a beam?



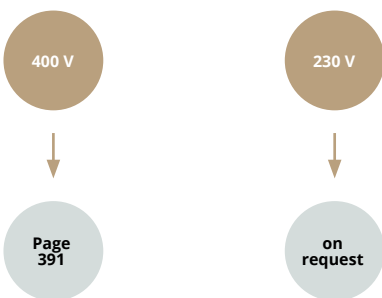
Question:

How is the device to be powered?



Question:

How is the device to be powered?



Electric chain hoists

Question:

How is the force to be applied?



1

Product	Durability	Suitability with external environmental influences	Dead weight	Suitable for load securing	Page
RHINO	++	++	++	yes	405
360 hand chain/ roller running gear	+++	+++	++	yes	406 407
CX-ALU	+++	+++	+	yes	408
Inox Star	+++	+++	++	yes	409

2

Product	Durability	Suitability with external environmental influences	Dead weight	Suitable for load securing	Page
RHINO	++	++	++	yes	397
ERGO 360	+++	+++	++	yes	399
P85	++++	+++	++	yes	400
LX-ALU	+++	+++	+	yes	401
AL	+++	+++	+	yes	402
LB	+++	++	+	yes	403

Take advantage of our services!

We support you with inspections for the safety and discarding time of your attachment devices.



Services

- ▶ Order scheduling
- ▶ Mobile and stationary Inspection Service
- ▶ Instant repairs
- ▶ Spare parts service
- ▶ Modern data management

Total range:

www.pfeifer.info/mobile-services



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Luxembourg

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+352 57 42-42

- ▶ **Short delivery time**
- ▶ **WLL: 0,125 t to 5 t**

Technical data

- ▶ **Overload protection:** Friction coupling
- ▶ **Operating temperature:** -20 °C to +40 °C
- ▶ **Overheating protection:** Temperature monitor for lifting motor
- ▶ **Control line:** Length corresponds to the chain length
- ▶ **Impact protector:** Limit position switch-off for limiting the highest and lowest load position
- ▶ **Operating voltage:** 400 V, 3 ph, 50 Hz
- ▶ **Insulation class:** F
- ▶ **Chain stores:** including
- ▶ **Protection class:** IP 55
- ▶ **Lifting method:** Coarse and fine stroke
- ▶ **Controller:** Contactor control 24V AC

Options on request

- ▶ Radio remote control incl. travel limit switch; in further lifting heights; Factory assembly by Pfeifer

Star-Speedline electric chain hoist with eye suspension

Electric chain hoist with eyelet suspension and standard heavy-duty limit shutdown (at 24 V AC) suitable for all standard applications. The final assembly is done by the customer on site. The power is supplied from the factory.



WLL		kg	125	250	500	500	1000	1600	2000	2500	3200	5000
Type			125/1-8/2	250/1-8/2	500/2-4/1	500/1-8/2	1000/1-6/1,5	1600/1-8/2	2000/2-3/0,75	2500/1-10/2,5	3200/2-4/1	5000/2-5/1,25
Quantity legs	AS	pcs	1	1	2	1	1	1	2	1	2	2
Lifting height max	H _{max}	m	25	25	12,5	24	24	30	12	20	15	10
Speed main stroke		m/min	8	8	4	8	6	8	3	10	4	5
Speed fine stroke		m/min	2	2	1	2	1,5	2	0,75	2,5	1	1,25
Duty cycle main stroke		%	60	50	50	60	60	60	60	40	60	40
Duty cycle fine stroke		%	40	25	25	25	25	25	25	25	25	25
Switching procedures number per hour max		St/h	360	300	300	240	240	240	240	150	240	150
Chain link length		mm	15	15	15	21	21	27	21	31	27	31
Chain link width		mm	5,2	5,2	5,2	7,2	7,2	9	7,2	11,3	9	11,3
Chain length	LK	m	3	3	3	3	3	3	3	3	3	3
Reference no.			495917	495920	495923	495926	495929	495932	495935	495938	495941	495944
Chain length	LK	m	6	6	6	6	6	6	6	6	6	6
Reference no.			495918	495921	495924	495927	495930	495933	495936	495939	495942	495945
Chain length	LK	m	10	10	10	10	10	10	10	10	10	10
Reference no.			495919	495922	495925	495928	495931	495934	495937	495940	495943	495946
Radio remote control												
Reference no.			383510	383510	383510	383510	383510	383510	383510	383510	383510	383510

- ▶ **Short delivery time**
- ▶ **WLL: 0,125 t to 5 t**

Technical data

- ▶ **Overload protection:** Friction coupling
- ▶ **Operating temperature:** -20 °C to +40 °C
- ▶ **Power supply:** Without mains cable
- ▶ **Overheating protection:** Temperature monitor for lifting motor
- ▶ **Control line:** Length corresponds to the chain length
- ▶ **Impact protector:** Limit position switch-off for limiting the highest and lowest load position
- ▶ **Operating voltage:** 400 V, 3 ph, 50 Hz
- ▶ **Insulation class:** F
- ▶ **Chain stores:** including
- ▶ **Protection class:** IP 55
- ▶ **Lifting method:** Coarse and fine stroke
- ▶ **Controller:** Contactor control 24V AC

Options on request

- ▶ Radio remote control incl. travel limit switch; in further lifting heights; Factory assembly by Pfeifer

Star-Speedline electric chain hoist with hook suspension

Electric chain hoist with non-rotatable hook suspension and standard heavy-duty limit position cut-off (at 24 V AC) suitable for all standard applications.

The final assembly is done by the customer on site.
The power is supplied from the factory.



WLL		kg	125	250	500	500	1000	1600	2000	2500	3200	5000
Type			125/1-8/2	250/1-8/2	500/2-4/1	500/1-8/2	1000/1-6/1,5	1600/1-8/2	2000/2-3/0,75	2500/1-10/2,5	3200/2-4/1	5000/2-5/1,25
Quantity legs	AS	pcs	1	1	2	1	1	1	2	1	2	2
Lifting height max	H _{max}	m	25	25	12,5	24	24	30	12	20	15	10
Speed main stroke		m/min	8	8	4	8	6	8	3	10	4	5
Speed fine stroke		m/min	2	2	1	2	1,5	2	0,75	2,5	1	1,25
Duty cycle main stroke		%	60	50	50	60	60	60	60	40	60	40
Duty cycle fine stroke		%	40	25	25	25	25	25	25	25	25	25
Switching procedures number per hour max		St/h	360	300	300	240	240	240	240	150	240	150
Chain link length		mm	15	15	15	21	21	27	21	31	27	31
Chain link width		mm	5,2	5,2	5,2	7,2	7,2	9	7,2	11,3	9	11,3
Chain length	LK	m	3	3	3	3	3	3	3	3	3	3
Reference no.			495947	495950	495953	495956	495959	495962	495965	495968	495971	495974
Chain length	LK	m	6	6	6	6	6	6	6	6	6	6
Reference no.			495948	495951	495954	495957	495960	495963	495966	495969	495972	495975
Chain length	LK	m	10	10	10	10	10	10	10	10	10	10
Reference no.			495949	495952	495955	495958	495961	495964	495967	495970	495973	495976
Radio remote control												
Reference no.			383510	383510	383510	383510	383510	383510	383510	383510	383510	383510

- ▶ **Short delivery time**
- ▶ **WLL: 0,125 t to 3,2 t**

Technical data

- ▶ **Overload protection:** Friction coupling
- ▶ **Operating temperature:** -20 °C to +40 °C
- ▶ **Power supply:** Without mains cable
- ▶ **Overheating protection:** Temperature monitor for lifting motor
- ▶ **Control line:** Length corresponds to the chain length
- ▶ **Impact protector:** Limit position switch-off for limiting the highest and lowest load position
- ▶ **Operating voltage:** 400 V, 3 ph, 50 Hz
- ▶ **Insulation class:** F
- ▶ **Chain stores:** including
- ▶ **Protection class:** IP 55
- ▶ **Lifting method:** Coarse and fine stroke
- ▶ **Controller:** Contactor control 24V AC

Options on request

- ▶ Radio remote control incl. travel limit switch; in further lifting heights; Factory assembly by Pfeifer
-

Star-Speedline electric chain hoist with manual running gear

Electric chain hoist with manual running gear and standard heavy-duty limit switch cut-off (at 24 V AC) suitable for all standard applications..

The final assembly is done by the customer on site.
The power is supplied from the factory.



WLL		kg	125	250	500	500	1000	1600	2000	3200
Type			125/1-8/2	250/1-8/2	500/2-4/1	500/1-8/2	1000/1-6/1,5	1600/1-8/2	2000/2-3/0,75	2000/2-3/0,75
Quantity legs	AS	pcs	1	1	2	1	1	1	2	2
Lifting height max	H _{max}	m	25	25	12,5	24	24	30	12	15
Speed main stroke		m/min	8	8	4	8	6	8	3	4
Speed fine stroke		m/min	2	2	1	2	1,5	2	0,75	1
Duty cycle main stroke		%	60	50	50	60	60	60	60	60
Duty cycle fine stroke		%	40	25	25	25	25	25	25	25
Switching procedures number per hour max		St/h	360	300	300	240	240	240	240	240
Chain link length		mm	15	15	15	21	21	27	21	27
Chain link width		mm	5,2	5,2	5,2	7,2	7,2	9	7,2	9
For beam flange width min		mm	50	50	50	66	66	82	66	82
For beam flange width max		mm	106	106	106	135	135	155	135	155
Chain length	LK	m	3	3	3	3	3	3	3	3
Reference no.			495977	495980	495983	495986	495990	495993	495996	495999
Chain length	LK	m	6	6	6	6	6	6	6	6
Reference no.			495978	495981	495984	495988	495991	495994	495997	496000
Chain length	LK	m	10	10	10	10	10	10	10	10
Reference no.			495979	495982	495985	495989	495992	495995	495998	496001
Radio remote control										
Reference no.			383510	383510	383510	383510	383510	383510	383510	383510

- ▶ **Short delivery time**
- ▶ **WLL: 0,125 t to 5 t**

Technical data

- ▶ **Overload protection:** Friction coupling
- ▶ **Operating temperature:** -20 °C to +40 °C
- ▶ **Power supply:** Without mains cable
- ▶ **Overheating protection:** Temperature monitor for lifting motor
- ▶ **Control line:** Length corresponds to the chain length
- ▶ **Impact protector:** Limit position switch-off for limiting the highest and lowest load position
- ▶ **Operating voltage:** 400 V, 3 ph, 50 Hz
- ▶ **Insulation class:** F
- ▶ **Chain stores:** including
- ▶ **Protection class:** IP 55
- ▶ **Lifting method:** Coarse and fine stroke
- ▶ **Controller:** Contactor control 24V AC

Options on request

- ▶ Radio remote control incl. travel limit switch; in further lifting heights; Factory assembly by Pfeifer
-

Star-Speedline electric chain hoist with electric running gear

Electric chain hoist with electric running gear (approx. 20 m/min) and standard heavy-duty limit switch cut-off (at 24 V AC) suitable for all standard applications.

The final assembly is done by the customer on site.
The power is supplied from the factory.



WLL		kg	125	250	500	500	1000	1600	2000	2500	3200	5000
Type			125/1-8/2	250/1-8/2	500/2-4/1	500/1-8/2	1000/1-6/1,5	1600/1-8/2	2000/2-3/0,75	2500/1-10/2,5	3200/2-4/1	5000/2-5/1,25
Quantity legs	AS	pcs	1	1	2	1	1	1	2	1	2	2
Lifting height max	H _{max}	m	25	25	12,5	24	24	30	12	20	15	10
Speed main stroke		m/min	8	8	4	8	6	8	3	10	4	5
Speed fine stroke		m/min	2	2	1	2	1,5	2	0,75	2,5	1	1,25
Duty cycle main stroke		%	60	50	50	60	60	60	60	40	60	40
Duty cycle fine stroke		%	40	25	25	25	25	25	25	25	25	25
Switching procedures number per hour max		St/h	360	300	300	240	240	240	240	150	240	150
Chain link length		mm	15	15	15	21	21	27	21	31	27	31
Chain link width		mm	5,2	5,2	5,2	7,2	7,2	9	7,2	11,3	9	11,3
For beam flange width min		mm	50	50	50	66	66	82	66	82	82	82
For beam flange width max		mm	106	106	106	135	135	155	135	155	155	155
Chain length	LK	m	3	3	3	3	3	3	3	3	3	3
Reference no.			496002	496005	496008	496011	496014	496017	496020	496023	496026	496029
Chain length	LK	m	6	6	6	6	6	6	6	6	6	6
Reference no.			496003	496006	496009	496012	496015	496018	496021	496024	496027	496030
Chain length	LK	m	10	10	10	10	10	10	10	10	10	10
Reference no.			496004	496007	496010	496013	496016	496019	496022	496025	496028	496031
Radio remote control												
Reference no.			383510	383510	383510	383510	383510	383510	383510	383510	383510	383510

Technical data

- ▶ **Battery lifetime (continuous operation):** 30 h
- ▶ **Protection class:** IP 65



Radio remote control for Star-Speedline electric chain hoist

Radio remote control for Star-Speedline electric chain hoist with and without running gear.

Range max	m	70
Battery lifetime (continuous operation)	h	30
Reference no.		383510

- ▶ Suitable for load securing
- ▶ Socket body material:
Powder-coated sheet steel
- ▶ WLL: 0,25 t to 9 t

Technical data

- ▶ **Safety factor:** 4
- ▶ **Standard:** Hebezeug: DIN EN 13157;
Chain: EN 818-7
- ▶ **Operating temperature:** -25 °C to +40 °C;
reduced working load limit outside this range

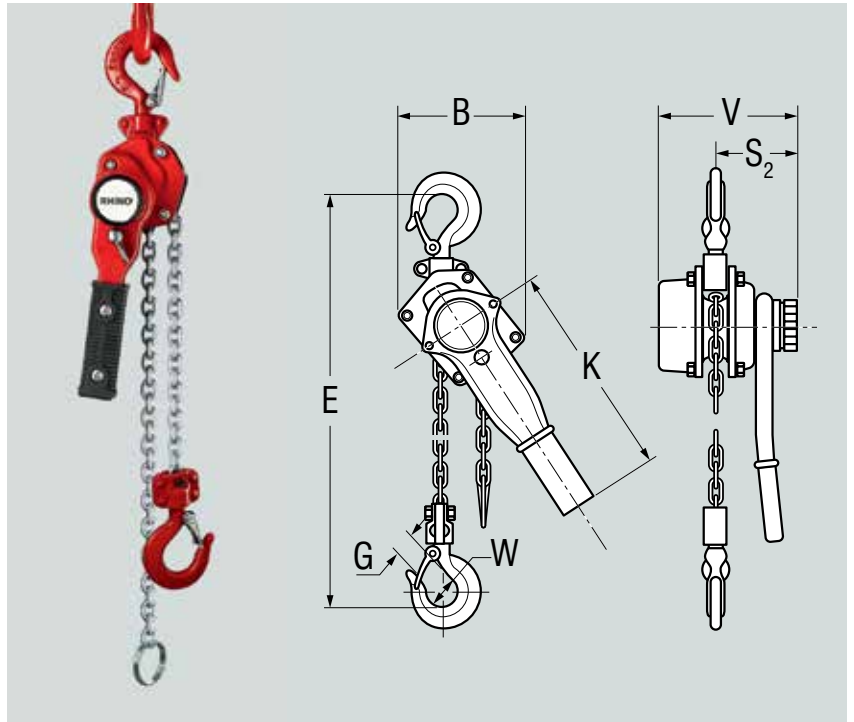
Options on request

- ▶ in further lifting heights; with friction coupling

RHINO – lever hoist

Lever hoist with sheet steel housing for moderate frequency of use. Solid quality with a top price-performance ratio – 100% tested functionality by PFEIFER.

The lever hoist can also be used for secure cargo lashing



WLL		kg	250	500	1000	1500	3000	6000	9000
Quantity legs	AS	pcs	1	1	1	1	1	2	3
Lever pressure under full load		daN	11,5	24,8	29,5	31,5	36	37	38
Body length	V	mm	100	150	165	186	208	208	208
Body width	B	mm	86	118	138	145	198	230	338
Distance body right to centre point of suspension gear	S2	mm	71	90	100	112	120	120	120
Distance suspension points min	E _{min}	mm	235	310	350	400	520	640	730
Clearance load chain	W	mm	18	20	25	30	36	43	44
Hook opening width	G	mm	20	22	26	29	37	43	47
Lever length	K	mm	168	253	273	378	418	418	418
Chain link length		mm	12	15	18	21,2	28	28	28
Chain link width		mm	4	5	6	7,1	10	10	10
Weight load chain		kg/m	0,36	0,55	0,78	1,12	2,25	2,25	2,25
Overload protection			none	none	none	none	none	none	none
Lifting height max	H _{max}	m	1,5	1,5	1,5	1,5	1,5	1,5	1,5
Reference no.			303020	261143	261145	261146	261147	261148	261149
Overload protection			none	none	none	none	none	none	none
Lifting height max	H _{max}	m	3	3	3	3	3	3	3
Reference no.			303019	261152	261154	261155	261156	261157	261158
Overload protection			-						
Lifting height max	H _{max}	m	-	1,5	1,5	1,5	1,5	1,5	1,5
Reference no.			-	396331	396332	396333	396335	396336	396337
Overload protection			-						
Lifting height max	H _{max}	m	-	3	3	3	3	3	3
Reference no.			-	396338	396339	396340	396343	396344	396345

- ▶ Suitable for load securing
- ▶ Innovative handle
- ▶ Socket body material: Aluminium
- ▶ WLL: 0,75 t to 3 t

Technical data

- ▶ **Safety factor:** 4
- ▶ **Standard:** Hebezeug: DIN EN 13157; Chain: EN 818-7
- ▶ **Operating temperature:** -10 °C to +50 °C

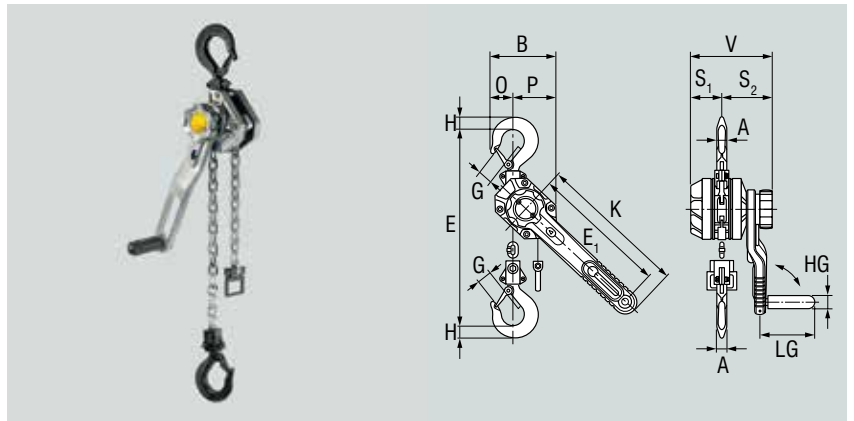
Options on request

- ▶ in further lifting heights; with friction coupling; with lashing hook

Lever hoist ERGO 360

Lever hoist with aluminium housing for frequent use. The innovative and ergonomic handle enables fast crank movements and optimum power utilisation and thus more efficient, energy-saving work.

The lever hoist can also be used for secure cargo lashing



WLL		kg	750	1500	3000
Quantity legs	AS	pcs	1	1	1
Lifting height per crank revolution		mm	27,2	21,7	20,1
Lever pressure under full load		daN	21	26	40
Body length	V	mm	161	179	207
Body width	B	mm	121	147	180
Distance body left to centre point of suspension gear	S ₁	mm	56	69	86
Distance body right to centre point of suspension gear	S ₂	mm	105	110	121
Distance body left to suspension point	O	mm	40	51	57
Distance body right to suspension point	P	mm	81	96	123
Distance suspension points min	E _{min}	mm	320	375	445
Load hook Thickness	A	mm	18	21	28
Hook opening width	G	mm	27	31	40
Hook base height	H	mm	20	26	37
Lever length	K	mm	327	327	377
Grip length	LG	mm	120	120	120
Diameter grip	HG	mm	30	30	30
Distance pivot point	E ₁	mm	300	300	350
Chain link length		mm	17	21	28
Chain link width		mm	5,6	7,1	10
Weight load chain		kg/m	0,7	0,9	1,4
Lifting height max	H _{max}	m	1,5	1,5	1,5
Reference no.			286739	286740	286741
Lifting height max	H _{max}	m	3	3	3
Reference no.			286742	286743	286744

- ▶ **Socket body material:** malleable cast iron
- ▶ **WLL:** 0,75 t to 10 t

Technical data

- ▶ **Safety factor:** 4
- ▶ **Standard:** Hebezeug: DIN EN 13157;
Chain: EN 818-7
- ▶ **Operating temperature:** -10 °C to +50 °C;
reduced working load capacities outside this range - before use at ambient temperatures < 0 °C, check if the brake is iced up by lifting and lowering a small load 2 - 3 times

Options on request

- ▶ in further lifting heights; with friction coupling; with chain sling; with roller chain (no twisting of the chain possible)

Lever hoist P85

Lever hoist with tempered cast iron housing protects against bending and twisting and is therefore suitable for extreme applications.

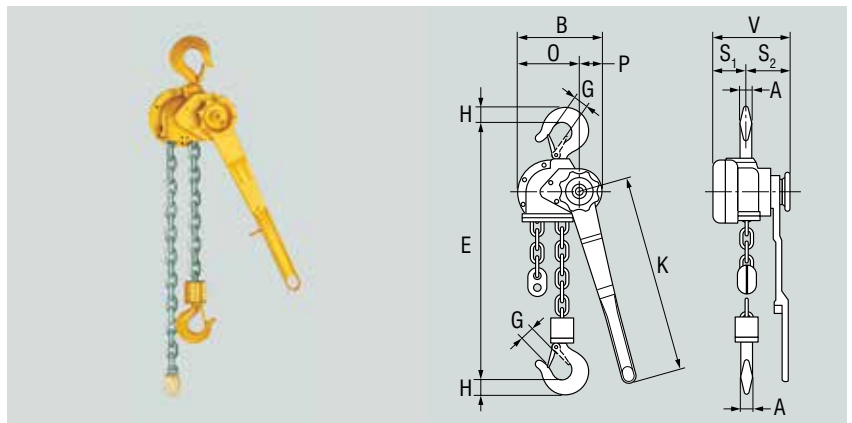
Due to the closed chain path, the lever hoist not susceptible to moisture and dust.

The self-locking, flat brake thread in a solid design protects against vibrations and oscillations.

Due to the forced switching "Lift-Lower-Free" no accidental switching is possible.

A high-quality European lifting chain according to DIN-EN is installed in the lever hoist.

The lever hoist can also be used for secure cargo lashing



WLL		kg	750	1500	3000	6000	10000
Quantity legs	AS	pcs	1	1	1	2	3
Lifting height per crank revolution		mm	111	45	33	17	11
Lever pressure under full load		daN	38	31	40	42	37
Body length	V	mm	142	171	179	218	218
Body width	B	mm	112	189	197	197	305
Distance body left to centre point of suspension gear	S ₁	mm	39	72	76	76	76
Distance body right to centre point of suspension gear	S ₂	mm	103	99	103	142	142
Distance body right to centre point of pivot point	N	mm	56	55	55	55	142
Distance body left to centre point of pivot point	M	mm	56	134	142	142	163
Distance suspension points min	E _{min}	mm	322	389	403	532	805
Load hook Thickness	A	mm	15	20	25	40	40
Hook opening width	G	mm	27	30	34	46	54
Hook base height	H	mm	21	27	35	48	61
Lever length	K	mm	443	443	570	570	570
Lifting height max	H _{max}	m	1,5	1,5	1,5	1,5	1,5
Reference no.			238982	115085	171526	183550	238983
Lifting height max	H _{max}	m	3	3	3	3	3
Reference no.			238984	238985	238986	238987	238988

- ▶ Suitable for load securing
- ▶ Socket body material: Aluminium
- ▶ WLL: 0,25 t to 0,5 t

Technical data

- ▶ **Safety factor:** 4
- ▶ **Standard:** Hebezeug: DIN EN 13157;
Chain: EN 818-7
- ▶ **Operating temperature:** -40 °C to +60 °C

Options on request

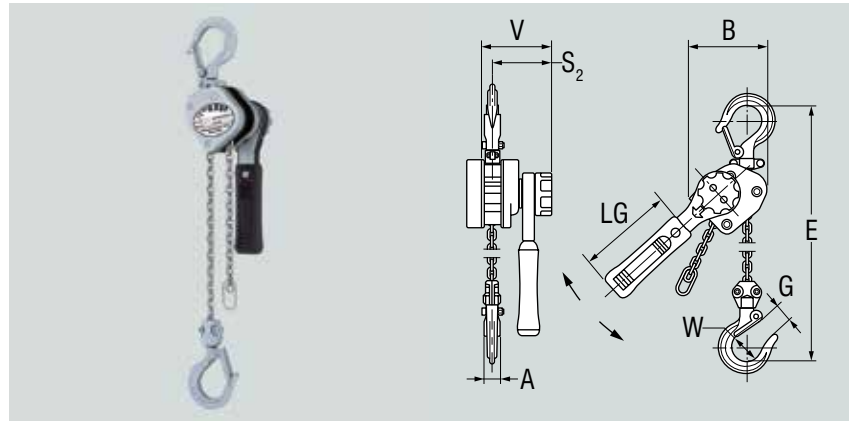
- ▶ in further lifting heights; with friction coupling

LX-ALU mini pulley block

Lever hoist with aluminium housing for minor assembly and repair work, in particular for joining delicate parts together in confined spaces or changing working heights.

The little companion at work thanks to its practical dimensions and extremely light dead weight – ideal to carry along at all times.

The lever hoist can also be used for secure cargo lashing



WLL		kg	250	500
Quantity legs	AS	pcs	1	1
Lever pressure under full load		daN	20	31
Body width	B	mm	73,5	93
Distance body right to centre point of suspension gear	S2	mm	62	68
Distance suspension points min	E _{min}	mm	205	246
Load hook Thickness	A	mm	11	12
Clearance load chain	W	mm	32	35,5
Hook opening width	G	mm	21	24,5
Grip length	LG	mm	150	180
Chain link length		mm	9	12
Chain link width		mm	3,2	4,3
Lifting height max	H _{max}	m	1,5	1,5
Reference no.			308270	308271
Lifting height max	H _{max}	m	3	3
Reference no.			308327	308328

- ▶ **Socket body material: Aluminium**
- ▶ **WLL: 0,75 t to 3 t**

Technical data

- ▶ **Safety factor: 4**
- ▶ **Standard:** Hebezeug: DIN EN 13157;
Chain: EN 818-7
- ▶ **Operating temperature:** -10 °C to +50 °C;
reduced working load capacities outside this range – before use at ambient temperatures < 0 °C, check if the brake is iced up by lifting and lowering a small load 2 – 3 times

Options on request

- ▶ in further lifting heights; with friction coupling

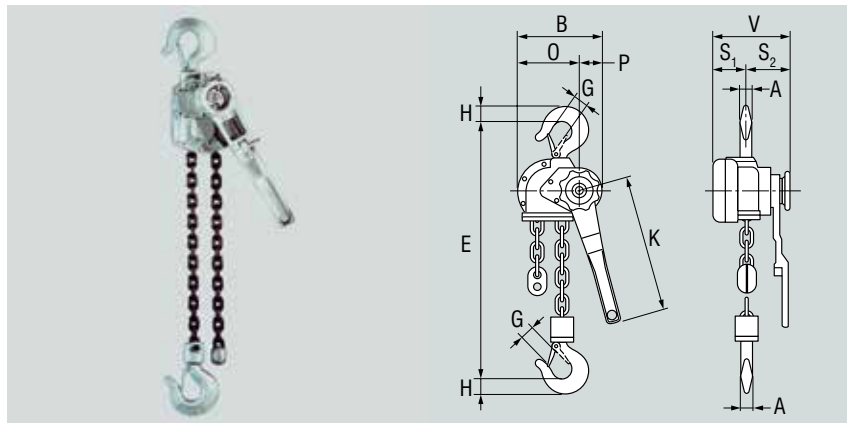
Lever hoist AL

Lever hoist with aluminium housing for occasional to frequent use, especially for every service car.

The light dead weight, the optimal lever ratio and the finely adjustable gearbox allow simple, fast and exact operation.

Due to the closed chain path, the lever hoist not susceptible to moisture and dust.

A high-quality European lifting chain according to DIN-EN is installed in the lever hoist.



WLL		kg	750	1000	1500	3000
Quantity legs	AS	pcs	1	1	1	1
Lifting height per crank revolution		mm	30,8	30,8	16,4	14,8
Lever pressure under full load		daN	16,8	22,4	18,7	28
Body length	V	mm	154	154	177	212
Body width	B	mm	106	109	138	168
Distance body left to centre point of suspension gear	S ₁	mm	49	49	74	94
Distance body right to centre point of suspension gear	S ₂	mm	105	105	103	118
Distance body right to centre point of pivot point	N	mm	59	62	78	93
Distance body left to centre point of pivot point	M	mm	47	47	60	75
Distance suspension points min	E _{min}	mm	315	325	380	455
Load hook Thickness	A	mm	14	16	20	24
Hook opening width	G	mm	22	23	26	33
Hook base height	H	mm	20	23	27	36
Lever length	K	mm	300	300	300	400
Lifting height max	H _{max}	m	1,5	1,5	1,5	1,5
Reference no.			115136	115139	115142	115147
Lifting height max	H _{max}	m	3	3	3	3
Reference no.			238978	238979	227284	210758

- ▶ Suitable for load securing
- ▶ Socket body material:
Powder-coated sheet steel
- ▶ WLL: 0,8 t to 9 t

Technical data

- ▶ **Safety factor:** 4
- ▶ **Standard:** Hebezeug: DIN EN 13157;
Chain: EN 818-7
- ▶ **Operating temperature:** -40 °C to +60 °C

Options on request

- ▶ in further lifting heights; with friction coupling; with overload indication through bending hand lever; with overload indication by means of optical signal; with lashing hook; with wire rope clamp; without freewheel function; with chain lock

LB lever hoist

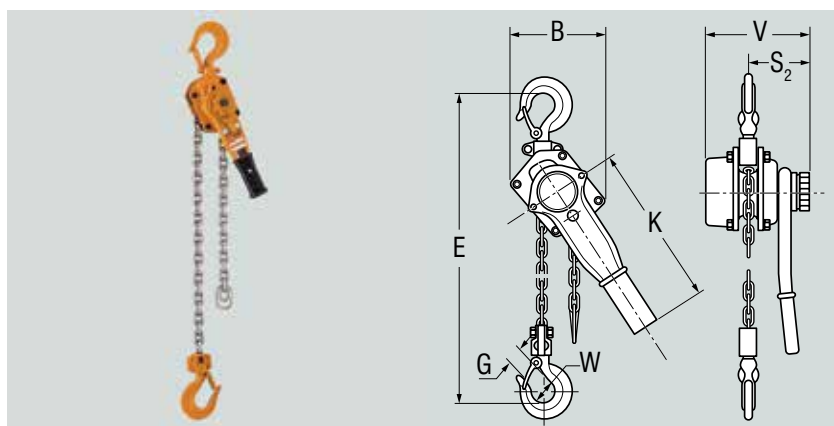
Lever hoist with sheet steel housing for occasional to frequent use with fine-toothed precision gearbox for less effort and sensitive positioning of the load.

The light dead weight, the optimal lever ratio and the finely adjustable gearbox allow simple, fast and exact operation.

The powder-coated housing and the coated intermediate plates provide conditional protection against corrosion.

The lever hoist has a unique double-secured chain freewheel, a low-wear high-performance load pressure brake and various overload protectors.

The lever hoist can also be used for secure cargo lashing



WLL		kg	800	1000	1600	2500	3200	6300	9000
Quantity legs	AS	pcs	1	1	1	1	1	2	3
Lever pressure under full load		daN	28,4	35,3	33,3	36,3	36,3	37,2	38,2
Body length	V	mm	114	114	159	173	190	190	190
Body width	B	mm	119	119	126	150	159	217	304
Distance body right to centre point of suspension gear	S2	mm	97	97	100	102	112	112	112
Distance suspension points min	E _{min}	mm	280	300	335	375	395	540	680
Clearance load chain	W	mm	14	15	19	21	24,5	34	41,5
Hook opening width	G	mm	23,5	29	32	36,5	39	50	72,5
Lever length	K	mm	245	245	265	265	415	415	415
Chain link length		mm	15,7	15,7	19,9	24,6	28	28	28
Chain link width		mm	5,6	5,6	7,1	8,8	10	10	10
Lifting height max	H _{max}	m	1,5	1,5	1,5	1,5	1,5	1,5	1,5
Reference no.			256103	256104	256105	256106	256107	256108	256109
Lifting height max	H _{max}	m	3	3	3	3	3	3	3
Reference no.			256110	256111	256112	256113	256114	256115	256116



Chain bag for hoists

Chain bag with suspension to accommodate the excess hand and load chain.

Overall diameter	D	mm	200
Bag height	HS	mm	380
Reference no.	285442		

- ▶ **Socket body material:** Sheet steel
- ▶ **WLL:** 0,25 t to 10 t

Technical data

- ▶ **Safety factor:** 4
- ▶ **Standard:** Hebezeug: DIN EN 13157;
Chain: EN 818-7
- ▶ **Operating temperature:** -25 °C to +40 °C
- ▶ **Chain surface:** galvanized

Options on request

- ▶ in further lifting heights; with friction coupling
-

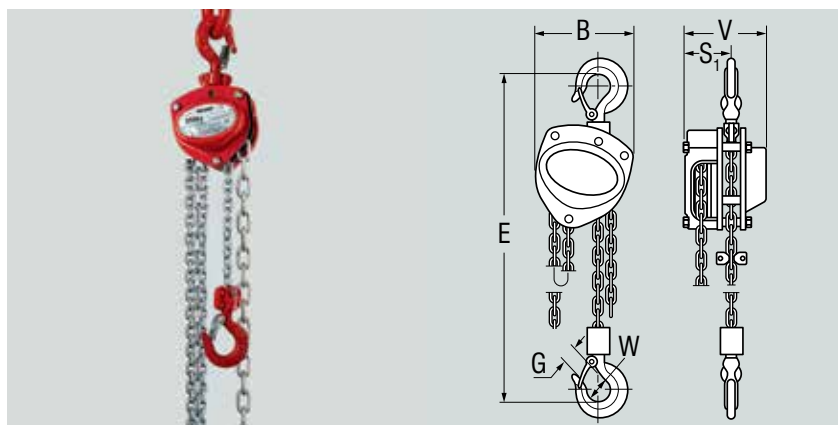
RHINO – hand chain block

Particularly smooth-running pulley block with sheet steel housing for moderate frequency of use.

Solid quality and a top price-performance ratio – 100% tested functionality from PFEIFER.

The powder-coated housing and the coated intermediate plates provide conditional protection against corrosion.

The standard length of the hand chain is equivalent to the lifting height.



WLL		kg	250	500	1000	1500	2000	3000	5000	10000
Quantity legs	AS	pcs	1	1	1	1	1	2	2	4
Stroke per 1 metre unwinding of hand chain		mm	35,4	33	22,5	17,2	14,1	8,59	5,28	2,95
Manual force under full load		daN	19	21	28,5	32,5	35,5	40,5	40	45
Body length	V	mm	106	128	142	158	175	158	183	195
Body width	B	mm	108	130	150	170	185	220	255	355
Distance body left to centre point of suspension gear	S ₁	mm	68	75	76	80	88	80	90	95
Distance suspension points min	E _{min}	mm	280	280	330	360	385	510	615	810
Clearance load chain	W	mm	18	20	25	30	33	36	43	44
Hook opening width	G	mm	20	22	26	29	35	37	43	47
Chain link length		mm	12	15	19,1	21,2	24	21,2	27	27
Chain link width		mm	4	5	6,3	7,1	8	7,1	9	9
Weight load chain		kg/m	0,36	0,55	0,87	1,12	1,4	1,12	1,77	1,77
Overload protection			none	none	none	none	none	none	none	none
Lifting height max	H _{max}	m	3	3	3	3	3	3	3	3
Reference no.			261107	261108	261109	261110	261111	261112	261113	261114
Overload protection			none	none	none	none	none	none	none	none
Lifting height max	H _{max}	m	6	6	6	6	6	6	6	6
Reference no.			261116	261117	261118	261119	261120	261121	261122	261123
Overload protection			-	Friction coupling	Friction coupling	Friction coupling	Friction coupling	Friction coupling	Friction coupling	Friction coupling
Lifting height max	H _{max}	m	-	3	3	3	3	3	3	3
Reference no.			-	396425	396426	396427	396428	396429	396430	396431
Overload protection			-	Friction coupling	Friction coupling	Friction coupling	Friction coupling	Friction coupling	Friction coupling	Friction coupling
Lifting height max	H _{max}	m	-	6	6	6	6	6	6	6
Reference no.			-	396432	396433	396434	396435	396436	396437	396438

- ▶ **Socket body material:**
Powder-coated sheet steel
- ▶ **WLL: 0,5 t to 5 t**

Technical data

- ▶ **Safety factor:** 4
- ▶ **Standard:** Hebezeug: DIN EN 13157;
Chain: EN 818-7
- ▶ **Operating temperature:** -25 °C to +40 °C
- ▶ **Chain surface:** galvanized and yellow chromated

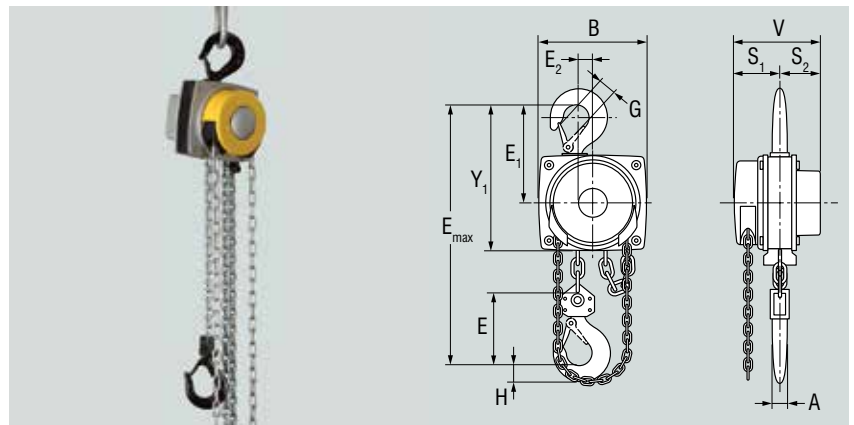
Options on request

- ▶ in further lifting heights; with friction coupling; with chain store; in corrosion-protected finish; explosion-protected design

Pulley block 360° with rotatable hand chain

Pulley block with sheet steel housing for occasional to frequent use in all locations and from all positions at a safe distance from the load – even in confined spaces thanks to innovative 360° rotatable hand chain guide.

Due to the closed chain path, the lever hoist not susceptible to moisture and dust.



WLL		kg	500	1000	2000	3000	5000
Quantity legs	AS	pcs	1	1	1	1	2
Stroke per 1 metre unwinding of hand chain		mm	33,33	20,41	14,09	11,49	5,75
Manual force under full load		daN	21	30	32	38	34
Body length	V	mm	139	167	194	219	219
Body width	B	mm	148	175	203	250	250
Distance body to suspension point	Y ₁	mm	206	242	283	335	352
Distance body left to centre point of suspension gear	S ₁	mm	61	70	83	95	95
Distance suspension points max	E _{max}	mm	300	335	395	520	640
Suspension point distance	E	mm	110	125	156	178	285
Load hook Thickness	A	mm	14	19	22	30	37
Hook opening width	G	mm	24	29	35	40	47
Hook base height	H	mm	17	22	30	38	45
Distance winch pivot point to suspension point 1	E ₁	mm	139	164	192	225	242
Distance winch pivot point to suspension point 2	E ₂	mm	24	24	31	34	21
Lifting height max	H _{max}	m	3	3	3	3	3
Reference no.			169228	169229	169230	169231	169232
Lifting height max	H _{max}	m	6	6	6	6	6
Reference no.			238991	238992	238993	238994	238995

- ▶ **Socket body material:**
Powder-coated sheet steel
- ▶ **WLL: 0,5 t to 5 t**

Technical data

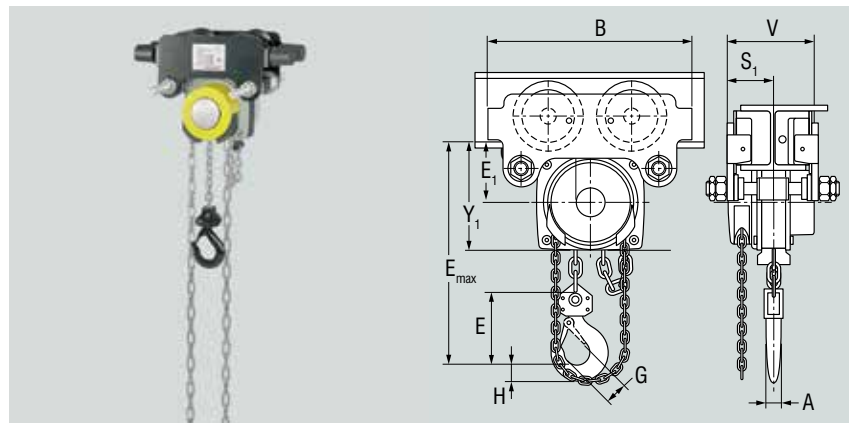
- ▶ **Safety factor:** 4
- ▶ **Standard:** DIN EN 13157
- ▶ **Operating temperature:** -25 °C to +40 °C
- ▶ **Chain surface:** galvanized and yellow chromated

Options on request

- ▶ further lifting heights; with friction coupling; with chain store; in corrosion-protected finish; explosion-protected design; without buffer – optionally available

Pulley block 360° with space-saving roller running gear

Pulley block with sheet steel housing for occasional to frequent use in all locations and from all positions at a safe distance from the load – even in confined spaces thanks to innovative 360° rotatable hand chain guide. Due to the closed chain path, the lever hoist not susceptible to moisture and dust.



WLL		kg	500	1000	2000	3000	5000
Quantity legs	AS	pcs	1	1	1	1	2
Stroke per 1 metre unwinding of hand chain		mm	33,33	20,41	14	11,49	5,75
Manual force under full load		daN	20,6	29,4	31,4	37,3	33,3
Distance suspension points min	E _{min}	mm	245	272	323	382	550
Load hook Thickness	A	mm	14	19	22	30	37
Hook opening width	G	mm	24	29	35	40	47
Hook base height	H	mm	17	22	30	38	45
For beam flange width min		mm	50	50	58	74	98
For beam flange width max		mm	180	180	180	180	180
Lifting height max	H _{max}	m	3	3	3	3	3
Reference no.			161263	161264	161265	161266	161267
Lifting height max	H _{max}	m	6	6	6	6	6
Reference no.			238997	238998	238999	239000	239001

- ▶ Suitable for load securing
- ▶ Socket body material: Aluminium
- ▶ WLL: 0,25 t to 0,5 t

Technical data

- ▶ **Safety factor:** 4
- ▶ **Standard:** Hebezeug: DIN EN 13157;
Chain: EN 818-7
- ▶ **Overload protection:** Friction coupling
- ▶ **Operating temperature:** -40 °C to +60 °C
- ▶ **Chain surface:** galvanized

Options on request

- ▶ in further lifting heights

CX-ALU mini pulley block

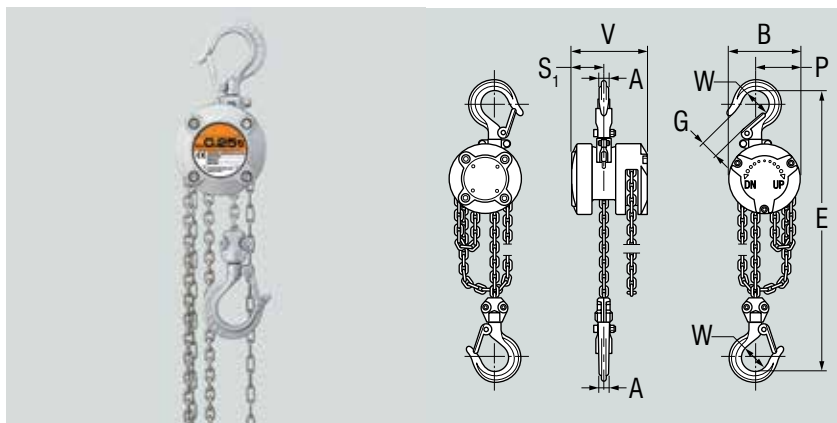
Pulley block with aluminium housing for minor applications, e.g. for the replacement of defective machine components or for stage construction.

The little companion at work thanks to its practical dimensions and extremely light dead weight – ideal to carry along at all times.

Due to the closed chain path, the lever hoist not susceptible to moisture and dust.

The standard length of the hand chain is 2 m (type 250 kg) or 2.5 m (type 500 kg).

The lever hoist can also be used for secure cargo lashing



WLL		kg	250	500
Quantity legs	AS	pcs	1	1
Stroke per 1 metre unwinding of hand chain		mm	29,6	23,4
Manual force under full load		daN	14,7	18,7
Body length	V	mm	88	101
Body width	B	mm	84	102
Distance body left to centre point of suspension gear	S ₁	mm	37	43,5
Distance body right to suspension point	P	mm	53	66
Distance suspension points min	E _{min}	mm	217	260
Load hook Thickness	A	mm	11	12
Clearance load chain	W	mm	32	35,5
Hook opening width	G	mm	21	24,5
Chain link length		mm	9	12
Chain link width		mm	3,2	4,3
Lifting height max	H _{max}	m	3	3
Reference no.			308272	308273

- ▶ **Socket body material:** stainless steel
- ▶ **WLL:** 0,5 t to 1 t

Technical data

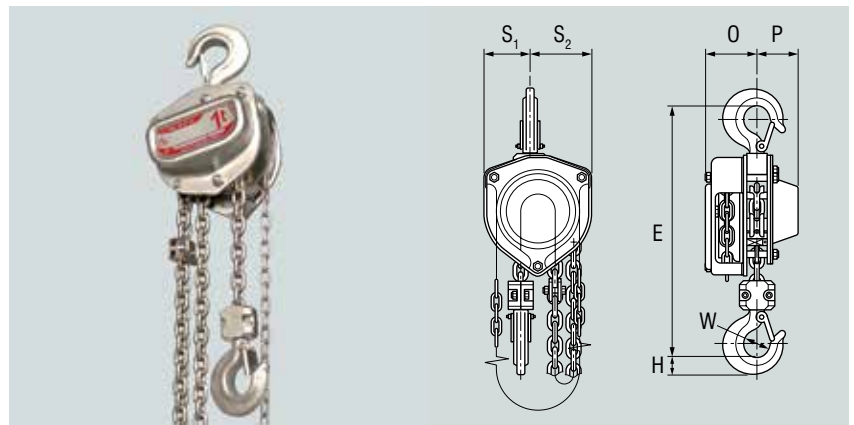
- ▶ **Safety factor:** 4
- ▶ **Standard:** Hebezeug: DIN EN 13157;
Chain: EN 818-7
- ▶ **Operating temperature:** -20 °C to +40 °C

Options on request

- ▶ in further lifting heights; with friction coupling; with special lubricant for the food industry

Inox Star stainless steel pulley block

Pulley block with stainless steel housing and rust and acid-resistant hoist chain for special requirements such as in cleanrooms in the pharmaceutical, semiconductor or aerospace industry or the highest hygiene requirements of the food industry. Use in special environments thanks to stainless steel design, even in extreme humidity up to 90%.



WLL		kg	500	1000
Quantity legs	AS	pcs	1	1
Stroke per 1 metre unwinding of hand chain		mm	25,33	18,5
Manual force under full load		daN	18	24
Distance body left to centre point of suspension gear	S ₁	mm	65	82,5
Distance body right to centre point of suspension gear	S ₂	mm	85	110,5
Distance body left to suspension point	O	mm	84,5	91,8
Distance body right to suspension point	P	mm	62	72,8
Distance suspension points min	E _{min}	mm	355	425
Clearance load chain	W	mm	38	46
Hook base height	H	mm	27	32
Chain link length		mm	19,1	23
Chain link width		mm	6,3	7,9
Weight load chain		kg/m	0,86	1,4
Lifting height max	H _{max}	m	3	3
Reference no.			311499	311501

- ▶ Optimal running properties
- ▶ Adjustable for wide beam areas and different profiles
- ▶ WLL: 0,5 t to 5 t

Options on request

- ▶ further chain lengths; for higher track heights; Swivelling hand chain guide; Rust and acid-resistant hand chains; Collision buffer; in corrosion-protected finish



Reel running gear

Reel running gear for hand, electric and pneumatic hoists. Driven by a continuously adjustable hand chain (useful length = 3 m) via a hand chain sprocket.

Very simple, virtually infinite adaptation to various beam flange widths

WLL	kg	500	500	1000	1000	2000
For beam flange width min	mm	50	160	58	160	66
For beam flange width max	mm	220	300	220	300	220
Manual force under full load	daN	3	3	6	6	7
for beam flange thickness max	mm	25	40	25	40	25
Radius curve min	m	0,9	0,9	0,9	0,9	1,15
Weight approx.	kg	9,7	12,6	11,2	14,1	18
Reference no.		168186	168187	168188	168189	168190

WLL	kg	2000	3000	3000	5000	5000
For beam flange width min	mm	160	74	160	90	180
For beam flange width max	mm	300	220	300	220	300
Manual force under full load	daN	7	7	7	9	9
for beam flange thickness max	mm	40	25	40	25	40
Radius curve min	m	1,15	1,4	1,4	1,8	1,8
Weight approx.	kg	21,3	35,4	39,2	51,8	56
Reference no.		168191	168192	168193	168194	168195

- ▶ **Optimal running properties**
- ▶ **Adjustable for wide beam areas and different profiles**
- ▶ **WLL: 0,5 t to 5 t**

Options on request

- ▶ Swivelling hand chain guide; Rust and acid-resistant hand chains; Collision buffer; in corrosion-protected finish



Roller running gear

Infinitely adjustable sliding device for hand, electric and pneumatic hoists with tilt protection and wheel fracture protection. Very simple, almost infinite adaptation to different flange widths and different profiles (e.g. INP, IPE, IPB).

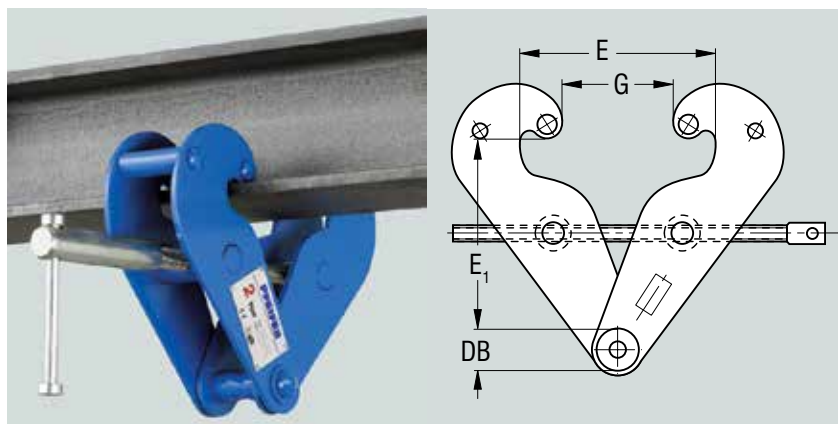
WLL	kg	500	500	1000	1000	2000
For beam flange width min	mm	50	160	58	160	66
For beam flange width max	mm	220	300	220	300	220
for beam flange thickness max	mm	24	40	30	40	36
Radius curve min	m	0,9	0,9	1	0,9	1,1
Weight approx.	kg	5	10,6	9	12	13,5
Reference no.		115188	115189	115190	115191	115192

WLL	kg	2000	3000	3000	5000	5000
For beam flange width min	mm	160	74	160	90	180
For beam flange width max	mm	300	220	300	220	300
for beam flange thickness max	mm	40	25	40	25	40
Radius curve min	m	1,15	1,4	1,4	1,8	1,8
Weight approx.	kg	19,3	32	35,8	48	52,2
Reference no.		115193	115194	115195	115196	115197

► WLL: 2 t to 5 t

Beam clamp

Low-height beam clamp for manual, electric and pneumatic hoists for fixing an attachment point to I-beams (with inclination of the lower flange of up to 20%) and for vertical suspension of hoists. Easy and simple installation, adjustable to the beam size using a screw jack



WLL		kg	2000	3000	5000
Distance suspension points min	E_{\min}	mm	75	80	80
Distance suspension points max	E_{\max}	mm	260	354	354
Opening width clamp max	G_{\max}	mm	215	320	320
Diameter bolt	DB	mm	23	24	28
Distance bolt centre points to suspension points min	$E_{1\min}$	mm	102	140	140
Distance bolt centre points to suspension points max	$E_{1\max}$	mm	155	225	225
Weight approx.		kg	5	10,5	11
Reference no.			136879	198086	136881

- ▶ **Robust and durable**
- ▶ **WLL: 1,5 t to 10 t**

Technical data

- ▶ **Standard:** DIN 7355
- ▶ **Drive type:** Rack and pinion winch



HIT steel winch Type 100

Steel winch in a robust, solid sheet steel design, with large, stable base plate for perfect stability and safety crank or ratchet safety crank.

It is driven by a rack and pinion made of specially hardened steel. The self-locking safety crank (360° crank movements) enables simple and safe positioning and holds the load securely in any position.

The ratchet safety crank (360° crank movements and pumping movements with a smaller radius) is ideal for confined spaces. Flexible in use through the use of the head or foot claw for lifting, lowering, holding or clamping machines and loads.

WLL	HL	kg	1500	3000	5000	10000
Lifting height max	H _{max}	mm	350	350	300	300
Overall height	H	mm	725	725	725	800
Claw height min	HK-min	mm	70	75	70	90
Weight approx.		kg	12	20	24	42
Crank type			Safety crank			
Reference no.			242031	242032	242033	242034
Crank type			Ratchet crank			
Reference no.			242035	242036	242037	242038

- ▶ Robust and durable
- ▶ Low overall height
- ▶ WLL: 1,5 t to 10 t

Technical data

- ▶ **Standard:** DIN 7355
- ▶ **Drive type:** Rack and pinion winch



HIT steel winch Type 200

Low-height steel winch for confined spaces in a sturdy, solid sheet steel version, with large, stable base plate for perfect stability and safety crank or ratchet safety crank.

It is driven by a rack and pinion made of specially hardened steel. The self-locking safety crank (360° crank movements) enables simple and safe positioning and holds the load securely in any position.

The ratchet safety crank (360° crank movements and pumping movements with a smaller radius) is ideal for confined spaces. Flexible in use through the use of the head or foot claw for lifting, lowering, holding or clamping machines and loads.

WLL	HL	kg	1500	3000	5000	10000
Lifting height max	H _{max}	mm	300	300	300	300
Overall height	H	mm	570	570	600	650
Claw height min	HK-min	mm	70	75	70	80
Weight approx.		kg	11	18	22	38
Crank type			Safety crank			
Reference no.			242039	242040	242041	242042
Crank type			Ratchet crank			
Reference no.			242043	242044	242045	242046

- ▶ Robust and durable
- ▶ Adjustable foot claw
- ▶ WLL: 1,5 t to 10 t

Technical data

- ▶ **Standard:** DIN 7355
- ▶ **Drive type:** Rack and pinion winch



HIT steel winch Type 300

Steel winch with adjustable claw in a sturdy, solid sheet steel version, with large, stable base plate for perfect stability and safety crank or ratchet safety crank.

The self-locking safety crank (360° crank movements) enables simple and safe positioning and holds the load securely in any position.

The ratchet safety crank (360° crank movements and pumping movements with a smaller radius) is ideal for confined spaces. Flexible in use through the use of the head or foot claw for lifting, lowering, holding or clamping machines and loads.

WLL	HL	kg	1500	3000	5000	10000
Lifting height max	H _{max}	mm	350	350	300	300
Overall height	H	mm	725	725	725	725
Claw height max	HK-max	mm	670	670	670	670
Claw height min	HK-min	mm	80	80	80	80
Weight approx.		kg	17	23	29	46
Crank type			Safety crank			
Reference no.			242047	242048	242049	242050
Crank type			Ratchet crank			
Reference no.			242051	242052	242053	242054

- ▶ Use of the head and foot claw
- ▶ WLL: 5 t to 10 t

Technical data

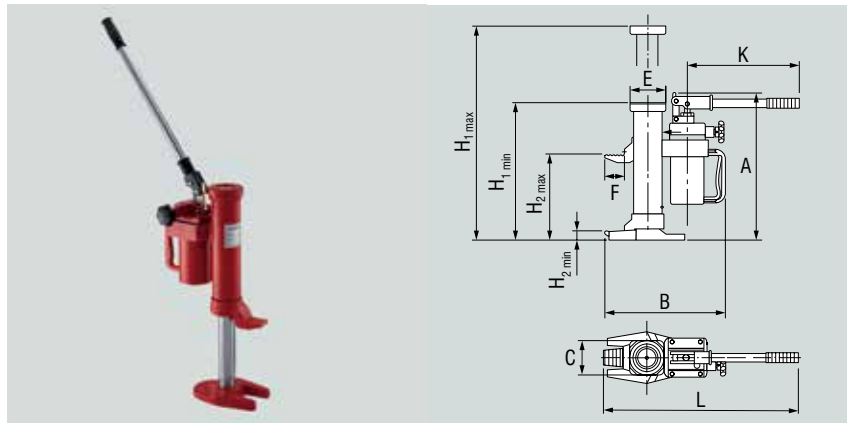
- ▶ **Standard:** DIN EN 1494
- ▶ **Drive type:** hydraulic

RHINO hydraulic jacks

Solid hydraulic jack for lifting or lowering large machines and heavy loads.

Flexible in use through the use of the head or foot claw, the possibility to rotate the device by 360°.

The overload valve and the large stable base plate for high stability enable safe working.



WLL	HL	kg	5000	10000
Overall length	L	mm	740	745
Lever length	K	mm	520	520
Claw length	F	mm	50	40
Jack height retracted without grip	A	mm	393	449
Jack length without grip	B	mm	320	325
Lifting range with lifting head min	H _{1min}	mm	368	420
Lifting range with lifting head max	H _{1max}	mm	573	650
Lifting range with lifting foot min	H _{2min}	mm	25	30
Lifting range with lifting foot max	H _{2max}	mm	230	260
Support foot width	C	mm	140	170
Contact surface diameter	E	mm	93	108
Weight approx.		kg	25	35
Reference no.			283664	283665

- ▶ Extended foot claw
- ▶ Large lifting height
- ▶ Made in Germany
- ▶ Optimised dead weight
- ▶ Particularly sturdy execution
- ▶ WLL: 5 t

Technical data

- ▶ **Standard:** DIN EN 1494
- ▶ **Drive type:** hydraulic

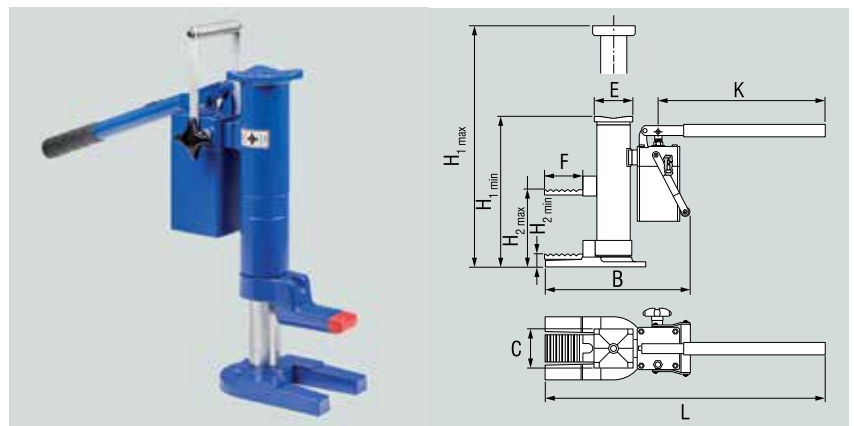
HIT-Hydraulic jack

High-quality hydraulic lifter with extended claw and spacer block, ideal for maintenance and assembly work – ideal also for frequent and demanding applications in vehicle construction.

The extended foot claw allows use even at hard-to-reach support points and prevents the load from slipping.

Thanks to its compact design and low weight, the hoist is ideal for ergonomic handling, simple transport and space-saving storage, making it perfect for taking along in service vehicles.

Due to its high-quality workmanship, the hoist is extremely sturdy and requires little maintenance.



WLL		kg	5000
WLL		kg	4600
Lever pressure under full load		kN	0,4
Pump movements for 25 mm stroke quantity		pcs	7
Overall length	L	mm	590
Lever length	K	mm	495
Claw length	F	mm	66
Jack length without grip	B	mm	310
Lifting range with lifting head min	H _{1min}	mm	360
Lifting range with lifting head max	H _{1max}	mm	567
Lifting range with lifting foot min	H _{2min}	mm	24
Lifting range with lifting foot max	H _{2max}	mm	231
Support foot width	C	mm	130
Contact surface diameter	E	mm	80
Weight approx.		kg	20,1
Reference no.	345589		

The lever force is the manual force required to lift a 5 t load (320 bar).
 Weight indication refers to the jack plus oil (filling).

- ▶ Horizontal and vertical use
- ▶ Exact and precise
- ▶ WLL: 5 t to 20 t

Technical data

- ▶ **Standard:** DIN EN 1494
- ▶ **Drive type:** hydraulic



Mini hydraulic jack

Mini hydraulic jack with removable hand lever (lever is moved horizontally) for lifting or lowering large machines in confined spaces.

Can also be used horizontally for spreading.

The precise release valve allows exact lowering.

The overload valve and the large stable base plate for high stability enable safe working.

The housing cannot be rotated.

WLL	HL	t	5	5	10	20
Lifting height max	H _{max}	mm	19	38	30	30
Manual force under full load		daN	25,9	25,9	28,1	35
Pump movements for 25 mm stroke quantity		pcs	30	38	36	46
Lever length	K	mm	240	240	440	605
Lifting range with lifting head min	H _{1min}	mm	64	89	121	131
Lifting range with lifting head max	H _{1max}	mm	82	127	151	160
Contact surface diameter	E	mm	29	29	42	53
Base plate diameter	D	mm	74	74	110	120
Weight approx.		kg	1,68	2,4	5,5	8
Reference no.			155974	181002	181003	181004

Load lifting magnets

Permanent load-lifting magnets are used to lift and move ferromagnetic loads. Advantage: No fastening devices are required on the load or the workpiece. We offer you a specially selected range of lifting magnets and special models according to the EU Machinery Directive 2006/42/EC and EN 13155.

Selection aid: Which is the right magnet for my application?

Question:

Which loads are to be lifted?

Small loads
(welding or
flame-cut
parts)

Manual lifting magnets

- Magnetisation by hand lever
- Magnetic field permanently active, release by means of a push-off device



Permanent magnet transporter

Page
434

Small to
medium loads
(flat and round
material)

Permanent load-lifting magnet

- Magnetisation by hand lever
- Simple operation
- Short pick-up and unloading times
- High performance and compact dimensions

1

Small to large
loads (flat and
round material +
large steel
plates)

Electro permanent load-lifting magnets

- Magnetisation at the touch of a button in just 0.8 seconds
- Electrical control
- Operation without physical exertion even in hard-to-reach places (also controllable by remote control – delivery on request)
- Easy connection to mains voltage
- No susceptible and maintenance-intensive back-up battery required
- Load does not fall when power is interrupted – permanent magnet continues to hold the load

2

1

Use
Standard applications
Round material
Thin sheets and pipes
Beams and hot parts
Turning, moving and transporting
Long workpieces
Standard applications
Thin sheets

Product	Page
Permanent load-lifting magnet S	422
Permanent load-lifting magnet R	424
Permanent load-lifting magnet P	426
Permanent load-lifting magnet V	428
Vertical system lift	430
Load-lifting magnetic spreader beam	431
HIT permanent load lifting magnet	435
Permanent load lifting magnet TML	432

2

Use
Standard applications
Sheet metals, laser and flame-cut parts, tools and cut blanks with an even or machined surface
Long, narrow loads, poor surfaces, pole extensions
Sheet metals, laser and flame-cut parts, tools and cut blanks with up to a medium air gap
Coarse sheet metals, solid steel, formed and forged parts – even with a large air gap

Product	Page
Electro permanent load-lifting magnet S	436
Electro permanent load-lifting magnet U	437
Electro permanent load-lifting magnet L	438
Electro permanent load-lifting magnet P	439
Electro permanent load-lifting magnet E	440

Quality magnets

All load-lifting magnets are manufactured in Germany according to strict quality criteria and impress with their reliability and easy maintenance and service.

- Up to 20% higher performance with the same weight & housing dimensions through optimised use of high-energy magnets
- Sturdy and low-maintenance design
- Low corrosion due to 100% nickel plating
- Low-wear due to solid one-piece magnetic shaft with dust-protected ball bearing
- Safety factor for some models above the required standard value (3.5 instead of the required 3)

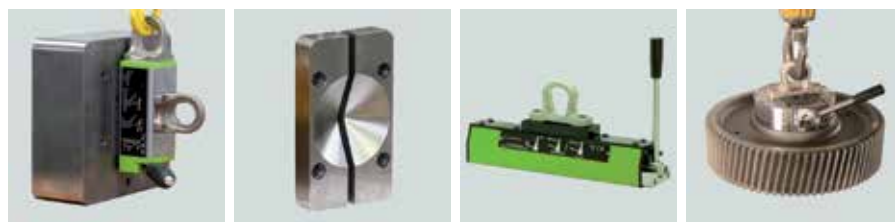
Notice on safe use

There are a number of factors affecting the working load limit that need to be considered when making your selection. These include, for example:

- Uneven, rusty or dirty contact surfaces
- Load that is too long, too wide or too flexible
- Material that is too thin
- Unfavourable material composition (e.g. alloyed or hardened steels)
- Heated load (above 80 °C)

Special solutions: We make it possible

In addition, we also develop and manufacture tailor-made solutions. Use our consulting service!

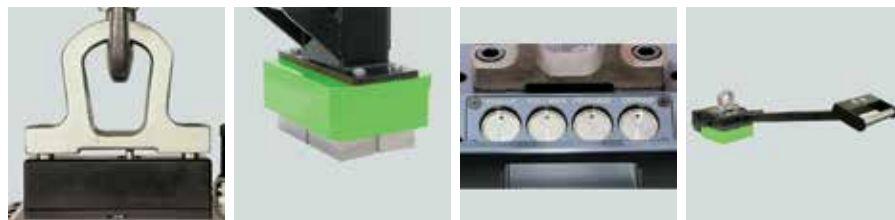


Model with towing eye

Formed pole shoe

Custom made

Round design



Lifting eye sensor

Special pole shoe

Pick-up function

Guide handle

Any questions?
We'll be glad to advise you

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Switzerland
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Luxembourg
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Take advantage of our services!

We support you with inspections for the safety and discarding time of your attachment devices.



Services

- ▶ Order scheduling
- ▶ Mobile and stationary Inspection Service
- ▶ Instant repairs
- ▶ Spare parts service
- ▶ Modern data management

Total range:

www.pfeifer.info/mobile-services



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Luxembourg

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- ▶ Up to 20% higher power compared to conventional models
- ▶ Robust and durable
- ▶ Safety factor: 3,5
- ▶ Standard: DIN EN 13155
- ▶ WLL: 0,15 t to 3 t

Technical data

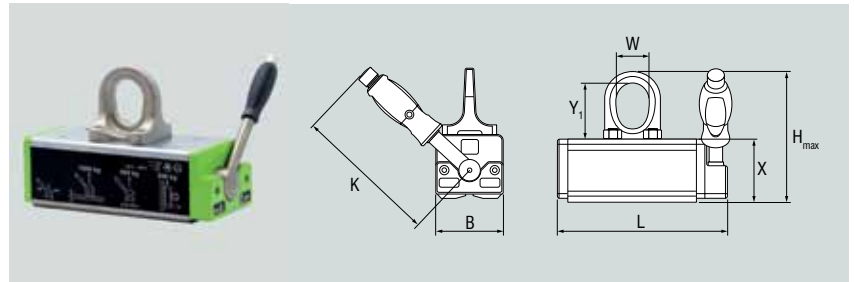
- ▶ **Suspension:** Rigid attachment eye
- ▶ **Version:** Permanent load-lifting magnet
- ▶ **Operating temperature:** -10 °C to +80 °C
- ▶ **Magnet surface coating:** nickel-plated
- ▶ **Control lever:** backlash-free; self-braking

Options on request

- ▶ in special designs; with towing eye for vertical use

Permanent load-lifting magnet S

Innovative, powerful, robust and durable permanent load-lifting magnet with convincing results in all standard applications. The non-recoiling, self-braking shift lever has an optimal shift travel of 90° (V-shift travel) and can therefore ideal for use even in confined spaces.



WLL flat material max		kg	150	300	600	1000	2000	3000
WLL round and pipe material max		kg	75	150	300	500	1000	1500
Sheet metal thickness flat material min		mm	8	15	20	25	50	50
Round and pipe material Ø min		mm	50	50	80	100	120	250
Round and pipe material Ø max		mm	200	300	400	450	600	600
Round and pipe material wall thickness min		mm	8	15	20	25	50	50
Load length max		mm	1500	2500	3000	3500	4000	4000
Overall length	L	mm	161	205	288	361	472	648
Overall height max	H _{max}	mm	124	158	189	240	313	313
Body width	B	mm	64	87	112	152	228	228
Body height	X	mm	60	78	94	120	169	169
Distance body to suspension point	Y ₁	mm	42	53	62	76	89	89
Lever length	K	mm	136	190	228	261	409	534
Clearance bracket	W	mm	30	42	51	60	68	68
Weight approx.		kg	3,6	8,4	19	42	115	166
Reference no.			283296	283297	283298	283299	283300	283301

Permanent load-lifting magnet S – standard

HIT-GREEN-S 150 kg						
Material thickness	mm	≥ 2	≥ 4	≥ 6	≥ 8	Ø 50–200
Air gap < 0.2 mm						
Max. load length	mm	800	1500	1500	1500	1500
Max. load width	mm	800	1500	1500	1500	-
Max. load	kg	20	60	80	150	75
Air gap 0.2 – 0.3 mm						
Max. load length	mm	800	1500	1500	1500	2000
Max. load width	mm	800	1250	1250	1250	-
Max. load	kg	12	40	60	120	50
Air gap 0.3 – 0.6 mm						
Max. load length	mm	800	1200	1200	1200	1500
Max. load width	mm	800	800	800	800	-
Max. load	kg	10	30	50	80	40

HIT-GREEN-S 600 kg						
Material thickness	mm	≥ 6	≥ 10	≥ 15	≥ 20	Ø 80–400
Air gap < 0.2 mm						
Max. load length	mm	1800	2250	2500	3000	4000
Max. load width	mm	1500	1500	1500	1500	-
Max. load	kg	150	300	500	600	300
Air gap 0.2 – 0.3 mm						
Max. load length	mm	1800	2250	2500	3000	3500
Max. load width	mm	1250	1250	1250	1250	-
Max. load	kg	120	250	440	520	250
Air gap 0.3 – 0.6 mm						
Max. load length	mm	1500	2000	2000	2500	3000
Max. load width	mm	1250	1250	1250	1250	-
Max. load	kg	100	210	350	440	200

HIT-GREEN-S 2000 kg						
Material thickness	mm	≥ 15	≥ 25	≥ 40	≥ 50	Ø 120–600
Air gap < 0.2 mm						
Max. load length	mm	2500	3000	3500	4000	4500
Max. load width	mm	2000	2000	2000	2000	-
Max. load	kg	500	1200	1600	2000	1000
Air gap 0.2 – 0.3 mm						
Max. load length	mm	3000	3000	3000	3000	4000
Max. load width	mm	2000	2000	2000	2000	-
Max. load	kg	400	950	1300	1600	800
Air gap 0.3 – 0.6 mm						
Max. load length	mm	2500	3000	3000	3000	3500
Max. load width	mm	1500	1500	1500	1500	-
Max. load	kg	330	800	1100	1300	650

HIT-GREEN-S 300 kg						
Material thickness	mm	≥ 4	≥ 8	≥ 10	≥ 15	Ø 50–300
Air gap < 0.2 mm						
Max. load length	mm	1600	2000	2250	2500	3000
Max. load width	mm	1000	1250	1250	1250	-
Max. load	kg	60	200	230	300	150
Air gap 0.2 – 0.3 mm						
Max. load length	mm	1500	2000	2000	2000	2500
Max. load width	mm	1000	1250	1250	1250	-
Max. load	kg	50	160	190	250	125
Air gap 0.3 – 0.6 mm						
Max. load length	mm	1250	1500	1500	1500	2000
Max. load width	mm	1000	1000	1000	1000	-
Max. load	kg	40	120	150	200	100

HIT-GREEN-S 1000 kg						
Material thickness	mm	≥ 10	≥ 15	≥ 20	≥ 25	Ø 100–450
Air gap < 0.2 mm						
Max. load length	mm	2250	2500	3000	3500	4500
Max. load width	mm	1500	1500	1500	1500	-
Max. load	kg	350	600	900	1000	500
Air gap 0.2 – 0.3 mm						
Max. load length	mm	2250	2500	3000	3000	4000
Max. load width	mm	1500	1500	1500	1500	-
Max. load	kg	300	500	750	850	400
Air gap 0.3 – 0.6 mm						
Max. load length	mm	2250	2500	3000	3000	3000
Max. load width	mm	1250	1250	1250	1250	-
Max. load	kg	260	450	675	750	330

HIT-GREEN-S 3000 kg						
Material thickness	mm	≥ 15	≥ 25	≥ 40	≥ 50	Ø 120–600
Air gap < 0.2 mm						
Max. load length	mm	2500	3000	3500	4000	5000
Max. load width	mm	2500	2500	2500	2500	-
Max. load	kg	750	1800	2400	3000	1500
Air gap 0.2 – 0.3 mm						
Max. load length	mm	3000	3000	3000	3000	5000
Max. load width	mm	2500	2500	2500	2500	-
Max. load	kg	600	1400	2000	2400	1200
Air gap 0.3 – 0.6 mm						
Max. load length	mm	2500	3000	3000	3000	4000
Max. load width	mm	2000	2000	2000	2000	-
Max. load	kg	500	1200	1600	2000	1000

- ▶ Up to 20% higher power compared to conventional models
- ▶ Robust and durable
- ▶ Safety factor: 3,5
- ▶ Standard: DIN EN 13155
- ▶ WLL: 0,1 t to 1,8 t

Technical data

- ▶ **Suspension:** Rigid attachment eye
- ▶ **Version:** Permanent load-lifting magnet
- ▶ **Operating temperature:** -10 °C to +80 °C
- ▶ **Magnet surface coating:** nickel-plated
- ▶ **Control lever:** backlash-free; self-braking

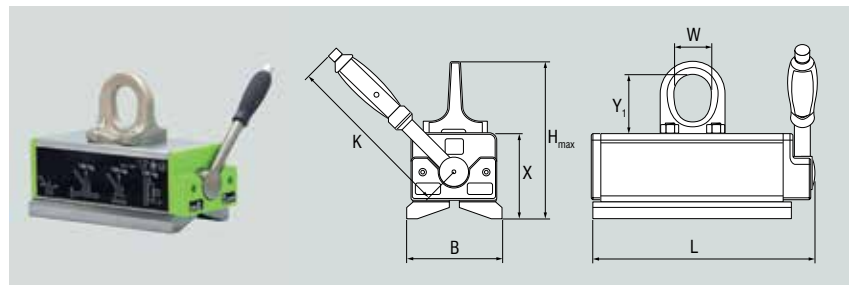
Options on request

- ▶ in special designs

Permanent load-lifting magnet R

Innovative, powerful and robust permanent load-lifting magnet, which prevents the slipping of round materials due to the specially adapted shape of the magnet (deep and flat-angled prism of the pole shoes) and thus increases safety.

The non-recoiling, self-braking shift lever has an optimal shift travel of 90° (V-shift travel) and can therefore ideal for use even in confined spaces.



WLL flat material max		kg	100	225	450	750	1200	1800
WLL round and pipe material max		kg	100	225	450	750	1200	1800
Sheet metal thickness flat material min		mm	8	10	20	20	40	40
Round and pipe material Ø min		mm	25	50	50	70	120	120
Round and pipe material Ø max		mm	150	205	270	370	560	560
Round and pipe material wall thickness min		mm	8	10	20	20	40	40
Load length max		mm	1500	2250	3000	3500	4000	4000
Overall length	L	mm	161	205	288	361	472	648
Overall height max	H _{max}	mm	132	170	207	262	334	334
Body width	B	mm	70	98	126	170	248	248
Body height	X	mm	68	90	112	142	190	190
Distance body to suspension point	Y ₁	mm	42	53	62	76	89	89
Lever length	K	mm	136	190	228	261	409	534
Clearance bracket	W	mm	30	42	51	60	68	68
Weight approx.		kg	4	9,5	22	49	127	182
Reference no.			283310	283312	283313	283314	283315	283316

Permanent load-lifting magnet R - round material

HIT-GREEN-R 100 kg						
Material thickness	mm	≥ 2	≥ 4	≥ 6	≥ 8	Ø 25-150
Air gap < 0.2 mm						
Max. load length	mm	800	1500	1500	1500	2000
Max. load width	mm	800	1500	1500	1500	-
Max. load	kg	25	50	70	100	100
Air gap 0.2 - 0.3 mm						
Max. load length	mm	800	1500	1500	1500	2000
Max. load width	mm	800	1250	1250	1250	-
Max. load	kg	12	40	60	75	75
Air gap 0.3 - 0.6 mm						
Max. load length	mm	800	1200	1200	1200	1500
Max. load width	mm	800	800	800	800	-
Max. load	kg	10	30	45	60	60

HIT-GREEN-R 450 kg						
Material thickness	mm	≥ 6	≥ 10	≥ 15	≥ 20	Ø 50-270
Air gap < 0.2 mm						
Max. load length	mm	1800	2250	2500	3000	4000
Max. load width	mm	1500	1500	1500	1500	-
Max. load	kg	150	300	400	450	450
Air gap 0.2 - 0.3 mm						
Max. load length	mm	1800	2250	2500	3000	3500
Max. load width	mm	1000	1250	1250	1250	-
Max. load	kg	120	250	350	400	375
Air gap 0.3 - 0.6 mm						
Max. load length	mm	1500	2000	2000	2500	3000
Max. load width	mm	1250	1250	1250	1250	-
Max. load	kg	100	210	300	350	280

HIT-GREEN-R 1200 kg						
Material thickness	mm	≥ 15	≥ 20	≥ 25	≥ 40	Ø 120-560
Air gap < 0.2 mm						
Max. load length	mm	2500	3000	3500	4000	4500
Max. load width	mm	2000	2000	2000	2000	-
Max. load	kg	600	800	1000	1200	1200
Air gap 0.2 - 0.3 mm						
Max. load length	mm	3000	3000	3000	3000	4000
Max. load width	mm	2000	2000	2000	2000	-
Max. load	kg	500	650	800	1000	900
Air gap 0.3 - 0.6 mm						
Max. load length	mm	2500	3000	3000	3000	3500
Max. load width	mm	1500	1500	1500	1500	-
Max. load	kg	440	550	700	900	700

HIT-GREEN-R 225 kg					
Material thickness	mm	≥ 4	≥ 8	≥ 10	Ø 50-205
Air gap < 0.2 mm					
Max. load length	mm	1600	2000	2250	3000
Max. load width	mm	1000	1250	1250	-
Max. load	kg	80	180	225	225
Air gap 0.2 - 0.3 mm					
Max. load length	mm	1500	2000	2000	2500
Max. load width	mm	1000	1250	1250	-
Max. load	kg	60	150	200	200
Air gap 0.3 - 0.6 mm					
Max. load length	mm	1250	1500	1500	2000
Max. load width	mm	1000	1250	1250	-
Max. load	kg	40	120	150	150

HIT-GREEN-R 750 kg						
Material thickness	mm	≥ 8	≥ 10	≥ 15	≥ 20	Ø 70-370
Air gap < 0.2 mm						
Max. load length	mm	2250	2500	3000	3500	4500
Max. load width	mm	1500	1500	1500	1500	-
Max. load	kg	300	400	700	750	750
Air gap 0.2 - 0.3 mm						
Max. load length	mm	2250	2500	3000	3000	4000
Max. load width	mm	1500	1500	1500	1500	-
Max. load	kg	280	380	680	720	600
Air gap 0.3 - 0.6 mm						
Max. load length	mm	2250	2500	3000	3000	3000
Max. load width	mm	1250	1250	1250	1250	-
Max. load	kg	250	300	550	600	450

HIT-GREEN-R 1800 kg						
Material thickness	mm	≥ 15	≥ 20	≥ 25	≥ 40	Ø 120-560
Air gap < 0.2 mm						
Max. load length	mm	2500	3000	3500	4000	5000
Max. load width	mm	2000	2000	2000	2000	-
Max. load	kg	900	1200	1500	1800	1800
Air gap 0.2 - 0.3 mm						
Max. load length	mm	3000	3000	3000	3000	4000
Max. load width	mm	2000	2000	2000	2000	-
Max. load	kg	750	1000	1200	1500	1500
Air gap 0.3 - 0.6 mm						
Max. load length	mm	2500	3000	3000	3000	3500
Max. load width	mm	1500	1500	1500	1500	-
Max. load	kg	660	825	1050	1200	1125

- ▶ Up to 20% higher power compared to conventional models
- ▶ Robust and durable
- ▶ Safety factor: 3,5
- ▶ Standard: DIN EN 13155
- ▶ WLL: 0,17 t to 0,6 t

Technical data

- ▶ **Suspension:** Rigid attachment eye
- ▶ **Version:** Permanent load-lifting magnet
- ▶ **Operating temperature:** -10 °C to +80 °C
- ▶ **Magnet surface coating:** nickel-plated
- ▶ **Control lever:** backlash-free; self-braking

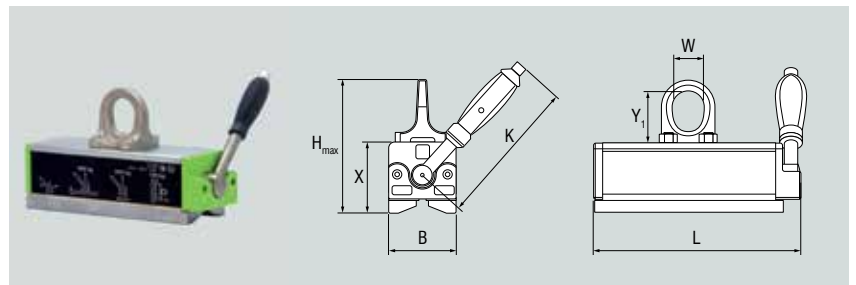
Options on request

- ▶ in special designs

Permanent load-lifting magnet P

Innovative, powerful and robust permanent load-lifting magnet, which is particularly suitable for thin sheets and tubes (from 2 mm) due to the specially adapted magnet configuration in conjunction with deep and flat-angled prism pole shoes.

The non-recoiling, self-braking shift lever has an optimal shift travel of 90° (V-shift travel) and can therefore ideal for use even in confined spaces.



WLL flat material max		kg	170	330	650
WLL round and pipe material max		kg	150	300	550
Sheet metal thickness flat material min		mm	8	10	20
Round and pipe material Ø min		mm	30	40	60
Round and pipe material Ø max		mm	105	160	210
Round and pipe material wall thickness min		mm	8	10	20
Load length max		mm	1500	2500	3000
Overall length	L	mm	195	265	352
Overall height max	H _{max}	mm	134	170	203
Body width	B	mm	64	87	112
Body height	X	mm	70	90	108
Distance body to suspension point	Y ₁	mm	42	53	62
Lever length	K	mm	136	190	228
Clearance bracket	W	mm	30	42	51
Weight approx.		kg	5,1	12,4	26
Reference no.			283323	283324	283325

Permanent load-lifting magnet P – thin sheets and pipes

HIT-GREEN-P 170 kg						
Material thickness	mm	≥ 2	≥ 4	≥ 6	≥ 8	Ø 30-105
Air gap < 0.2 mm						
Max. load length	mm	800	1500	1500	1500	2000
Max. load width	mm	800	1500	1500	1500	-
Max. load	kg	30	80	120	170	150
Air gap 0.2 – 0.3 mm						
Max. load length	mm	800	1500	1500	1500	2000
Max. load width	mm	800	1250	1250	1250	-
Max. load	kg	20	60	90	130	115
Air gap 0.3 – 0.6 mm						
Max. load length	mm	800	1200	1200	1200	1500
Max. load width	mm	800	800	800	800	-
Max. load	kg	15	50	75	100	60

HIT-GREEN-P 650 kg							
Material thickness	mm	≥ 4	≥ 6	≥ 8	≥ 10	≥ 20	Ø 60-210
Air gap < 0.2 mm							
Max. load length	mm	2250	2500	3000	2500	3000	4000
Max. load width	mm	1500	1500	1500	1500	1500	-
Max. load	kg	160	200	450	550	650	550
Air gap 0.2 – 0.3 mm							
Max. load length	mm	2000	2250	3000	3000	3000	3500
Max. load width	mm	1500	1500	1500	1500	1500	-
Max. load	kg	130	175	400	500	570	480
Air gap 0.3 – 0.6 mm							
Max. load length	mm	2000	2250	2500	2500	2500	3000
Max. load width	mm	1500	1500	1500	1500	1500	-
Max. load	kg	110	140	320	400	450	400

HIT-GREEN-P 330 kg						
Material thickness	mm	≥ 4	≥ 6	≥ 8	≥ 10	Ø 40-160
Air gap < 0.2 mm						
Max. load length	mm	2000	2500	2500	2500	3500
Max. load width	mm	1000	1250	1250	1250	-
Max. load	kg	100	160	300	330	300
Air gap 0.2 – 0.3 mm						
Max. load length	mm	1500	2000	2000	2000	3000
Max. load width	mm	1000	1250	1250	1250	-
Max. load	kg	80	130	240	370	250
Air gap 0.3 – 0.6 mm						
Max. load length	mm	1250	1500	1500	1500	2500
Max. load width	mm	1000	1000	1000	1000	-
Max. load	kg	60	100	180	200	180

- ▶ **Robust and durable**
- ▶ **Safety factor: 3,5**
- ▶ **Standard: DIN EN 13155**
- ▶ **WLL: 0,2 t to 0,8 t**

Technical data

- ▶ **Suspension:** Rigid attachment eye
- ▶ **Version:** Permanent load-lifting magnet
- ▶ **Operating temperature:** -10 °C to +150 °C
- ▶ **Magnet surface coating:** nickel-plated
- ▶ **Control lever:** backlash-free; self-braking

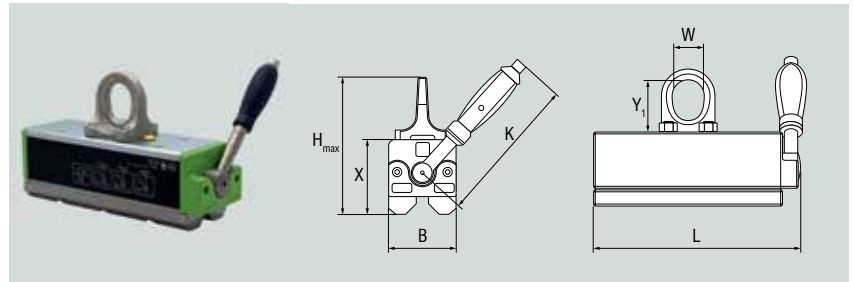
Options on request

- ▶ in special designs

Permanent load-lifting magnet V

Innovative and powerful permanent load lifting magnet with maximum holding force and smooth single-hand switching for short pick-up and unloading times of workpieces.

Due to the new profile of the pole shoe, angle plates can be accommodated both externally and internally.



WLL flat material max		kg	200	400	800
WLL round and pipe material max		kg	100	200	300
Sheet metal thickness flat material min		mm	10	15	20
Round and pipe material Ø min		mm	20	25	35
Round and pipe material Ø max		mm	50	60	75
Round and pipe material wall thickness min		mm	10	15	20
Prism 90° WLL max		kg	120	250	400
Load length max		mm	3000	4000	5000
Overall length	L	mm	195	265	352
Overall height max	H _{max}	mm	141	176	210
Body width	B	mm	64	87	112
Body height	X	mm	77	96	115
Distance body to suspension point	Y ₁	mm	42	53	62
Lever length	K	mm	134	188	228
Clearance bracket	W	mm	30	42	51
Weight approx.		kg	5,5	12,9	27,7
Reference no.			283327	283328	283329

Permanent load-lifting magnet V - beams and hot parts

HIT-GREEN-V 200 kg								
Material thickness	mm	≥ 4	≥ 6	≥ 8	≥ 10	Ø 20-50	90°	
Air gap < 0.2 mm								
Max. load length	mm	1500	2000	2500	2500	2000	2000	
Max. load width	mm	1000	1500	1500	1500	-	-	
Max. load	kg	70	110	175	200	100	120	
Air gap 0.2 - 0.3 mm								
Max. load length	mm	1500	1500	2000	2000	2000	2000	
Max. load width	mm	1000	1250	1250	1250	-	-	
Max. load	kg	50	75	120	140	70	90	
Air gap 0.3 - 0.6 mm								
Max. load length	mm	1000	1250	2000	2000	1500	1500	
Max. load width	mm	1000	1250	1250	1250	-	-	
Max. load	kg	35	60	90	110	60	60	

HIT-GREEN-V 800 kg								
Material thickness	mm	≥ 4	≥ 6	≥ 8	≥ 15	≥ 20	Ø 35-75	90°
Air gap < 0.2 mm								
Max. load length	mm	2000	2500	3000	3000	3000	4000	4000
Max. load width	mm	1500	1500	1500	1500	1500	-	-
Max. load	kg	130	200	400	650	800	300	400
Air gap 0.2 - 0.3 mm								
Max. load length	mm	2000	2250	3000	3000	3000	3500	3500
Max. load width	mm	1500	1500	1500	1500	1500	-	-
Max. load	kg	100	160	320	520	650	240	320
Luftspalt 0,3-0,6 mm								
Max. load length	mm	2000	2250	2500	2500	2500	3000	3000
Max. load width	mm	1500	1500	1500	1500	1500	-	-
Max. load	kg	90	130	270	420	550	200	300

HIT-GREEN-V 400 kg								
Material thickness	mm	≥ 6	≥ 8	≥ 10	≥ 15	Ø 70-370	90°	
Air gap < 0.2 mm								
Max. load length	mm	2000	2500	2500	2500	3500	3500	
Max. load width	mm	1000	1250	1250	1250	-	-	
Max. load	kg	150	280	350	400	200	250	
Air gap 0.2 - 0.3 mm								
Max. load length	mm	1500	2250	2250	2250	2250	3000	
Max. load width	mm	1000	1250	1250	1250	-	-	
Max. load	kg	110	210	260	290	160	190	
Air gap 0.3 - 0.6 mm								
Max. load length	mm	1250	2000	2000	2000	2500	2500	
Max. load width	mm	1000	1250	1250	1250	-	-	
Max. load	kg	75	150	180	220	120	130	

- ▶ **Robust and durable**
- ▶ **Safety factor: 3,5**
- ▶ **Standard: DIN EN 13155**
- ▶ **WLL: 0,2 t to 3 t**

Technical data

- ▶ **Suspension:** swivelling suspension ring
- ▶ **Version:** Permanent load-lifting magnet
- ▶ **Operating temperature:** -10 °C to +80 °C
- ▶ **Magnet surface coating:** nickel-plated
- ▶ **Control lever:** backlash-free; self-braking

Options on request

- ▶ in special designs

Vertical system LIFT

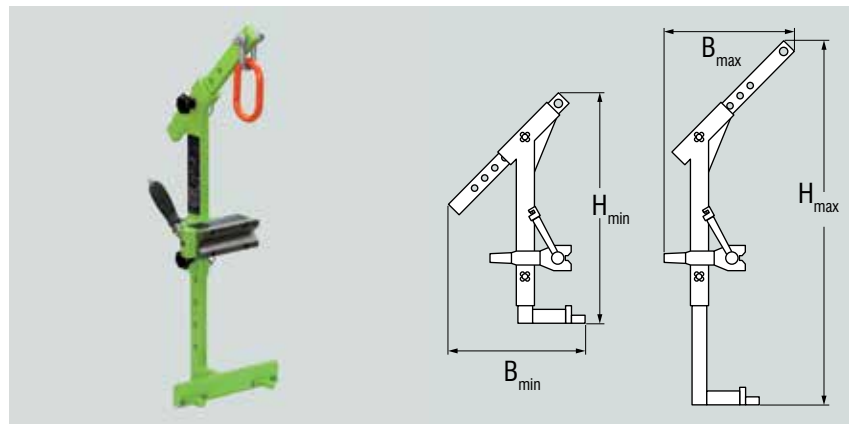
The practical aid for swivelling, moving and transporting materials
Suitable for moving loads from the horizontal to the vertical position and vice versa – especially for loads or workpieces without a pick-up device

Also suitable for vertical transport of materials and loading or unloading of machine tools

Ideal for the transport of round blanks.

The device can be used up to 20% of its working load limit even without the supports underneath.

Safe handling of workpieces is possible due to the variably adjustable centre of gravity and the adjustable overall height.



WLL max		kg	200	400	800	2000	3000
WLL without stop max		kg	40	80	160	400	600
Disc Ø min		mm	250	400	500	500	500
Disc Ø max		mm	750	1000	1200	1200	1200
Flat material Width max		mm	2000	2000	2500	2500	2500
Flat material Length max		mm	750	1000	1250	1250	1250
Overall width min	B _{min}	mm	390	475	520	650	650
Overall width max	B _{max}	mm	400	450	500	600	600
Overall height min	H _{min}	mm	715	795	1040	1200	1200
Overall height max	H _{max}	mm	1000	1250	1500	1800	1800
Weight approx.		kg	24	31	64	162	213
Reference no.			283418	283419	283420	283421	283422

- ▶ **Safety factor:** 3,5
- ▶ **Standard:** DIN EN 13155
- ▶ **WLL:** 0,7 t to 4,8 t

Technical data

- ▶ **Suspension:** Suspension ring for crane hooks
- ▶ **Version:** Permanent load-lifting magnet
- ▶ **Operating temperature:** -10 °C to +80 °C
- ▶ **Magnet surface coating:** nickel-plated
- ▶ **Control lever:** backlash-free; self-braking

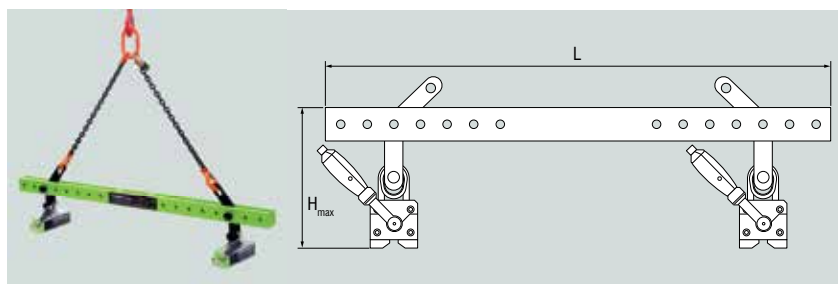
Options on request

- ▶ in special designs

Load-lifting magnetic spreader beam

Comfortable handling, especially suitable for transporting long workpieces, such as at sheet metal processors as well as laser and flame cutters. The magnet cross bar also enables the safe, horizontal picking up of workpieces with a central cut-out.

Magnets can be dismantled for individual use in order to be able to transport cut blanks and small sheets even without a cross bar. The locking device enables flexible settings.



WLL max		kg	700	1000	1400	3200	4800
Sheet metal thickness flat material min		mm	15	20	20	50	50
Workpiece Length max		mm	1500	2000	2000	2500	2500
Workpiece width max		mm	5000	5000	5000	5000	5000
Overall length	L	mm	1600	1600	1600	2000	2000
Overall height max	H _{max}	mm	270	291	360	480	600
Weight approx.		kg	44	58	86	305	410
Reference no.			283426	283427	283428	283429	283430

HIT-GREEN load-lifting magnetic spreader beam

HIT-GREEN Spreader Beam 700 kg						
Material/wall thickness	mm	≥ 4	≥ 6	≥ 8	≥ 10	≥ 15
Max. load length	mm	3000	3500	4000	4500	5000
Max. load width	mm	1500	1500	1500	1500	1500
Max. load	kg	180	260	490	610	700

HIT-GREEN Spreader Beam 1400 kg							
Material thickness	mm	≥ 4	≥ 6	≥ 8	≥ 10	≥ 15	≥ 20
Max. load length	mm	3000	3000	4000	4500	5000	5000
Max. load width	mm	1500	2000	2000	2000	2000	2000
Max. load	kg	180	350	700	800	1130	1400

HIT-GREEN Spreader Beam 4800 kg						
Material/wall thickness	mm	≥ 15	≥ 20	≥ 25	≥ 40	≥ 50
Max. load length	mm	5000	5000	5000	5000	5000
Max. load width	mm	2000	2000	2500	2500	2500
Max. load	kg	1200	2400	2880	3840	4800

HIT-GREEN Spreader Beam 1000 kg							
Material thickness	mm	≥ 4	≥ 6	≥ 8	≥ 10	≥ 15	≥ 20
Max. load length	mm	3000	3000	4000	4500	4500	5000
Max. load width	mm	1500	1500	1500	1500	1500	1500
Max. load	kg	180	250	300	500	820	1000

HIT-GREEN Spreader Beam 3200 kg						
Material/wall thickness	mm	≥ 15	≥ 20	≥ 25	≥ 40	≥ 50
Max. load length	mm	4000	5000	5000	5000	5000
Max. load width	mm	2000	2000	2000	2500	2500
Max. load	kg	800	1600	1920	2560	3200

- ▶ TML 500 with adjustable oil damper
- ▶ Safety factor: 3
- ▶ Standard: DIN EN 13155
- ▶ WLL: 0,1 t to 0,5 t

Technical data

- ▶ **Suspension:** 360° rotatable attachment point
– in the case of the TML 500 model additionally tiltable by 90°
- ▶ **Version:** Permanent load-lifting magnet
- ▶ **Operating temperature:** -10 °C to +60 °C
- ▶ **Magnet surface coating:** Titanium nitride coating
- ▶ **Control lever:** TML 500: adjustable oil damper for absorbing the recoil energy of the activation lever

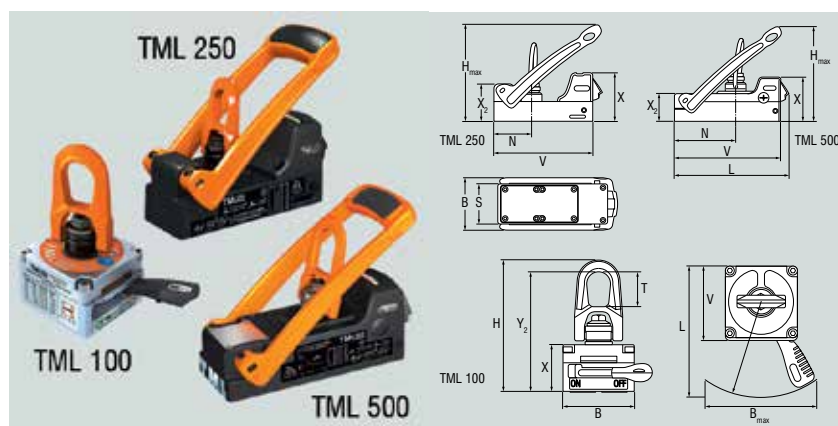
Permanent load-lifting magnet TML

Smart permanent load-lifting magnet especially for thin metal sheets (from 2 mm).

Due to its low dead weight and ergonomic activation lever, the magnet makes handling extremely easy.

The suspension is a 360° rotatable and the TML 500 model also has a 90° swivelling attachment point.

The TML 500 is equipped with an adjustable oil damper for absorbing the recoil energy of the activation lever.



Type			TML 100	TML 250	TML 500
WLL flat material max		kg	100	250	500
Sheet metal thickness flat material min		mm	6	10	15
Overall length	L	mm	146	-	265
Overall width max	B _{max}	mm	124	-	-
Overall height max	H _{max}	mm	147	191	216
Body length	V	mm	82,5	191	248
Body width	B	mm	80	91	118
Body height	X	mm	52	94	102
Body height 2	X ₂	mm	-	73	64,5
Distance to suspension point	Y ₂	mm	134	-	-
Suspension ring clear height	T	mm	39	-	-
Distance pivot point base web	N	mm	-	73	143
Contact surface width	S	mm	-	71	60
Weight approx.		kg	1,7	3,5	8,16
Reference no.			289654	275162	275163

Permanent lifting magnet TML – Dependence on material thickness, air gap and angle

TML 100 kg							
Material thickness	mm	2	3	4	5	6	> 6
Air gap < 0.1 mm							
Clean, surface ground flat	0°	30	50	80	95	100	100
	6°	27	45	72	85	90	90
Air gap 0.25 mm							
Rusty, slightly scratched surface	0°	25	40	60	70	70	70
	6°	22,5	36	54	63	63	63
Air gap 0.5 mm							
Irregular, rusty or rough surface	0°	22	35	45	50	50	50
	6°	19	31	40	45	45	45

TML 250 kg										
Material thickness	mm	2	3	4	5	6	8	10	15	> 20
Air gap < 0.1 mm										
Clean, surface ground flat	0°	50	90	145	180	205	240	250	250	250
	6°	45	80	130	165	185	220	230	230	230
Air gap 0.25 mm										
Rusty, slightly scratched surface	0°	40	80	110	135	155	165	180	180	180
	6°	35	70	100	125	140	150	165	165	165
Air gap 0.5 mm										
Irregular, rusty or rough surface	0°	32	65	90	100	105	110	110	115	115
	6°	30	60	80	90	95	100	100	105	105

TML 500 kg										
Material thickness	mm	2	3	4	5	6	8	10	15	> 20
Air gap < 0.1 mm										
Clean, surface ground flat	0°	50	130	195	300	360	455	490	500	500
	6°	44	110	170	260	315	395	430	440	440
	30°	22,5	58,5	87,75	135	162	204,75	220,5	225	225
	45°	17,5	45,5	68,25	105	126	159,25	171,5	175	175
	90°	15	39	58,5	90	108	136,5	147	150	150
Air gap 0.25 mm										
Rusty, slightly scratched surface	0°	45	115	160	340	270	310	360	365	370
	6°	39	100	140	205	235	270	310	315	320
	30°	20,25	51,75	72	153	121,5	139,5	162	164,25	166,5
	45°	15,75	40,25	56	119	94,5	108,5	126	127,75	129,5
	90°	13,5	34,5	48	102	81	93	108	109,5	111
Air gap 0.5 mm										
Irregular, rusty or rough surface	0°	40	85	135	190	220	240	260	250	250
	6°	35	72	115	165	190	205	225	215	220
	30°	18	38,25	60,75	85,5	99	108	117	112,5	112,5
	45°	14	29,75	47,25	66,5	77	84	91	87,5	87,5
	90°	12	25,5	40,5	57	66	72	78	75	75

- ▶ SH 35 K can be used in crane operation
- ▶ Safety factor: SH 12: 2, SH 35 K: 3

Technical data

- ▶ **Suspension:** Rigid attachment eye
- ▶ **Version:** Permanent magnet transporter
- ▶ **Operating temperature:** -10 °C to +80 °C



Permanent magnet transporter

For the manual or crane transport of small materials and workpieces.

The magnetic transporter is detached from the load with the smooth-running, mechanical release mechanism.

Type		SH 12	SH 35 K
Tractive force max	kg	60	125
Lifting force max	kg	120	250
Sheet metal thickness flat material min	mm	2	3
Holding surface Length	mm	133	190
Holding surface Width	mm	106	110
Weight approx.	kg	1,3	4,6
Reference no.		307152	114593

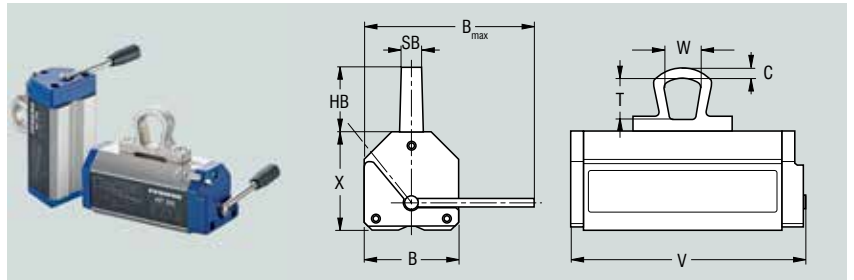
- ▶ **Safety factor:** 3
- ▶ **Standard:** DIN EN 13155
- ▶ **WLL:** 0,125 t to 2 t

Technical data

- ▶ **Suspension:** Rigid attachment eye
- ▶ **Version:** Permanent load-lifting magnet
- ▶ **Operating temperature:** -10 °C to +60 °C
- ▶ **Magnet surface coating:** nickel-plated
- ▶ **Control lever:** not self-braking

HIT-Permanent load-lifting magnet

Permanent load-lifting magnet from European production for all standard applications with flat and round material.



WLL flat material max		kg	125	250	500	1000	1500	2000
WLL round and pipe material max		kg	50	100	200	400	600	800
Sheet metal thickness flat material min		mm	20	20	25	40	45	55
Round and pipe material Ø min		mm	40	40	60	100	120	150
Round and pipe material Ø max		mm	300	300	400	450	500	600
Round and pipe material wall thickness min		mm	10	10	15	25	30	35
Load length max		mm	1000	1500	2000	3000	3000	3000
Overall width max	B _{max}	mm	185	185	235	316	457	457
Body length	V	mm	121	189	249	342	383	457
Body width	B	mm	79	79	106	133	166	166
Body height	X	mm	79	79	101	131	171	171
Bracket height	C	mm	13	11	13	13	18	20
Bracket height	HB	mm	106	63	88	88	122	122
Bracket size	SB	mm	13	14	22	22	30	30
Clearance bracket	W	mm	32	43	60	60	87	87
Suspension ring clear height	T	mm	53	35	52	52	64	64
Weight approx.		kg	3,7	6,38	15	36	66	80
Reference no.			239929	239930	239931	239932	239933	239934

- ▶ **Safety factor:** 3
- ▶ **Standard:** DIN EN 13155
- ▶ **WLL:** 0,3 t to 0,5 t

Technical data

- ▶ **Suspension:** Rigid attachment eye
- ▶ **Version:** Electro permanent load-lifting magnet
- ▶ **Operating temperature:** -10 °C to +80 °C
- ▶ **Magnet surface coating:** nickel-plated
- ▶ **Control lever:** Pushbutton control

Options on request

- ▶ with pick-up function for separating loads and/or checking sufficient holding force; with guide handle for precise guidance and positioning outside the danger area; in special designs; with spreader beam solutions; with radio remote control



Electro permanent load-lifting magnets Standard

Innovative and powerful electro permanent load-lifting magnet especially for serial parts, cut blanks, and small cast and forged parts with flat or machined surface.

Type			EPLM 300	EPLM 500
WLL flat material max		kg	300	500
Sheet metal thickness flat material min		mm	15	15
Body length	V	mm	164	234
Body width	B	mm	164	164
Distance to suspension point	Y ₂	mm	420	420
Pole Quantity		pcs	4	6
Pole Length		mm	116	180
Pole Width		mm	116	116
Worker		kN	14	22
Weight approx.		kg	23	31
Control type			none	none
Reference no.			283578	283579
Electro permanent load-lifting magnets				
Control type			Infrared	Infrared
Reference no.			283580	283581
Control type			Radio	Radio
Reference no.			283582	283583

- ▶ **Safety factor:** 3
- ▶ **Standard:** DIN EN 13155
- ▶ **WLL:** 0,75 t to 1,6 t

Technical data

- ▶ **Suspension:** Rigid attachment eye
- ▶ **Version:** Electro permanent load-lifting magnet
- ▶ **Operating temperature:** -10 °C to +80 °C
- ▶ **Magnet surface coating:** nickel-plated
- ▶ **Control lever:** Pushbutton control

Options on request

- ▶ with pick-up function for separating loads and/or checking sufficient holding force; with guide handle for precise guidance and positioning outside the danger area; in special designs; with spreader beam solutions; with radio remote control



Electro permanent load-lifting magnets Universal

Innovative and powerful permanent load-lifting electromagnet especially for sheet metals, laser- and flame-cut parts, tools and cut blanks with an even or machined surface.

Type			EPLM 750	EPLM 1100	EPLM 1600
WLL flat material max		kg	750	1100	1600
Sheet metal thickness flat material min		mm	15	15	15
Body length	V	mm	298	420	620
Body width	B	mm	164	164	164
Distance to suspension point	Y ₂	mm	250	270	270
Pole Quantity		pcs	8	12	18
Pole Length		mm	244	372	564
Pole Width		mm	116	116	116
Worker		kN	30	30	30
Weight approx.		kg	27	39	60
Control type			none	none	none
Reference no.			283589	283590	283591
Electro permanent load-lifting magnets					
Control type			Radio	Infrared	Infrared
Reference no.			283595	283593	283594
Control type			-	Radio	Radio
Reference no.			-	283596	283597

- ▶ **Safety factor:** 3
- ▶ **Standard:** DIN EN 13155
- ▶ **WLL:** 0,4 t to 1 t

Technical data

- ▶ **Suspension:** Rigid attachment eye
- ▶ **Version:** Electro permanent load-lifting magnet
- ▶ **Operating temperature:** -10 °C to +80 °C
- ▶ **Magnet surface coating:** nickel-plated
- ▶ **Control lever:** Pushbutton control

Options on request

- ▶ with pick-up function for separating loads and/or checking sufficient holding force;
- ▶ with guide handle for precise guidance and positioning outside the danger area; in special designs; with spreader beam solutions;
- ▶ with radio remote control



Electro permanent load-lifting magnets Long material

Innovative and powerful electro permanent load-lifting magnet especially for long and narrow loads, for rougher surfaces or when pole extensions are required.

Type			EPLM L400	EPLM L600	EPLM L1000
WLL flat material max		kg	400	600	1000
Sheet metal thickness flat material min		mm	15	15	15
Body length	V	mm	294	420	680
Body width	B	mm	95	95	95
Distance to suspension point	Y ₂	mm	450	450	450
Pole Quantity		pcs	4	6	10
Pole Length		mm	244	372	628
Pole Width		mm	52	52	52
Worker		kN	14	22	38
Weight approx.		kg	23	31	44
Control type			none	none	none
Reference no.			283600	283601	283602
Electro permanent load-lifting magnets					
Control type			Infrared	Infrared	Radio
Reference no.			283603	283604	283608
Control type			Radio	Radio	Infrared
Reference no.			283606	283607	283605

- ▶ **Safety factor:** 3
- ▶ **Standard:** DIN EN 13155
- ▶ **WLL:** 1 t to 4 t

Technical data

- ▶ **Suspension:** Rigid attachment eye
- ▶ **Version:** Electro permanent load-lifting magnet
- ▶ **Operating temperature:** -10 °C to +80 °C
- ▶ **Magnet surface coating:** nickel-plated
- ▶ **Control lever:** Pushbutton control

Options on request

- ▶ with pick-up function for separating loads and/or checking sufficient holding force; with guide handle for precise guidance and positioning outside the danger area; in special designs; with spreader beam solutions; with radio remote control



Electro permanent load-lifting magnets Professional

Innovative and powerful electro permanent load-lifting magnet especially suitable for sheet metal, laser and flame-cut parts, tools and for cut blanks up to a medium air gap.

Type			EPLM 1000	EPLM 2500	EPLM 4000
WLL flat material max		kg	1000	2500	4000
Sheet metal thickness		mm	25	25	25
flat material min					
Body length	V	mm	228	506	783
Body width	B	mm	228	228	228
Distance to suspension point	Y ₂	mm	295	295	295
Pole Quantity		pcs	4	10	16
Pole Length		mm	172	448	724
Pole Width		mm	172	172	172
Worker		kN	36	90	144
Weight approx.		kg	39	77	132
Control type			none	none	none
Reference no.			283622	283623	283624

- ▶ **Safety factor:** 3
- ▶ **Standard:** DIN EN 13155
- ▶ **WLL:** 1,6 t to 7,2 t

Technical data

- ▶ **Suspension:** Rigid attachment eye
- ▶ **Version:** Electro permanent load-lifting magnet
- ▶ **Operating temperature:** -10 °C to +80 °C
- ▶ **Magnet surface coating:** nickel-plated
- ▶ **Control lever:** Pushbutton control

Options on request

- ▶ with pick-up function for separating loads and/or checking sufficient holding force; with guide handle for precise guidance and positioning outside the danger area; in special designs; with spreader beam solutions; with radio remote control



Electro permanent load-lifting magnets Extreme

Innovative and powerful permanent load-lifting electromagnet especially for coarse sheet metals and solid steel, formed and forged parts – even with large air gaps.

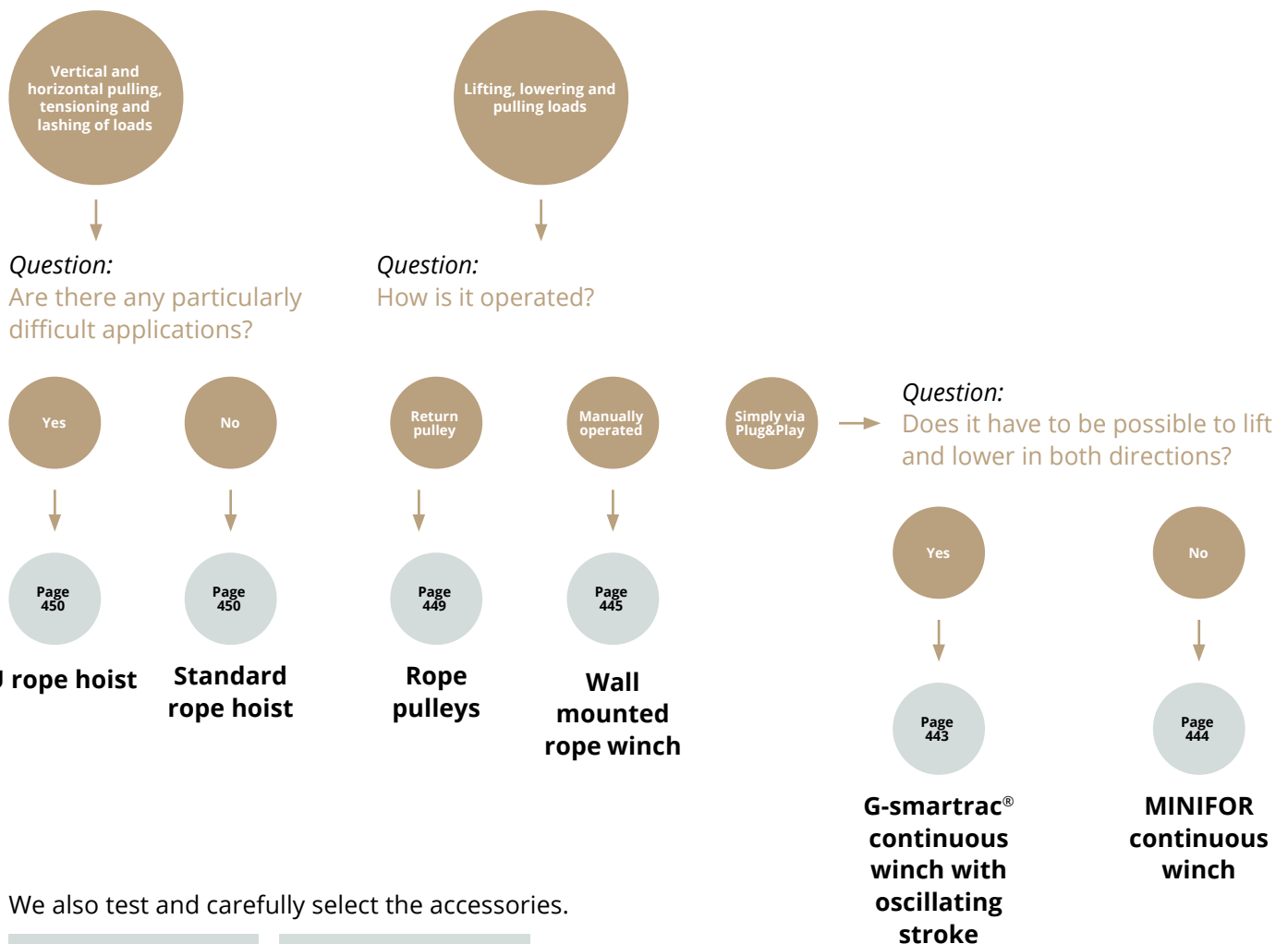
Type			EPLM 1600	EPLM 2400	EPLM 3200	EPLM 4800	EPLM 7200
WLL flat material max		kg	1600	2400	3200	4800	7200
Sheet metal thickness flat material min		mm	35	35	35	35	35
Body length	V	mm	296	415	536	778	778
Body width	B	mm	296	296	296	296	415
Body height	X	mm	125	335	335	400	400
Pole Quantity		pcs	4	6	8	12	18
Pole Length		mm	222	342	462	702	702
Pole Width		mm	222	222	222	222	342
Worker		kN	58	87	112	168	252
Weight approx.		kg	82	118	78	202	298
Control type			none	none	none	none	none
Reference no.			283631	283632	283633	283634	283635

Winches and rope hoists

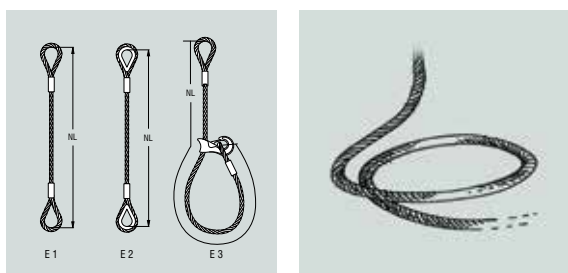
Our winches and wire rope hoists comply with German Statutory Accident Insurance regulation DGUV 54 and the Machinery Directive 2006/42/EC. They are used horizontally and vertically and are particularly suitable where standard hoists cannot be used.

Selection aid: Which product is the right one for my application?

Question:
 What application is needed?



We also test and carefully select the accessories.



These include rope hoist and winch ropes.
 From page 451

Take advantage of our services!

We support you with inspections for the safety and discarding time of your attachment devices.



Services

- ▶ Order scheduling
- ▶ Mobile and stationary Inspection Service
- ▶ Instant repairs
- ▶ Spare parts service
- ▶ Modern data management

Total range:

www.pfeifer.info/mobile-services



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Luxembourg

info@pfeifer-sogequip.lu
+352 57 42-42

- ▶ Oscillating stroke
- ▶ WLL: 0,12 t to 0,3 t

Technical data

- ▶ **Operating voltage:** 230 V AC/50 Hz

Options on request

- ▶ with safety load hook; with adapter for tow bar (except G-smartrac 300 vario); with equipment case; with rope bag; with return pulleys; with radio remote control; with kernmantle rope of any length



G-smartrac® continuous winch

Mobile continuous winch with innovative pendulum stroke, light-weight kernmantle rope and operating hour meter for material transport over any lifting heights or pulling lengths.

The oscillating stroke allows lifting and lowering in both directions and thus offers the opportunity for time-saving and economical work.

Operation with pendant control panel or radio remote control and stroke limitation in two directions by limit switches.

WLL	HL	kg	120	150	300
Speed main stroke		m/min	30	30	17
for nominal rope Ø		mm	9	9	11
Speed fine stroke		m/min	-	13	6
Lifting motor rating 230 V 50 Hz		kW	0,75	0,75	1,1
Control type			2.5 m control cable	2.5 m control cable	2.5 m control cable
Control line length		m	2,5	2,5	2,5
Electrical power with generator operation		kW	> 2	> 2	> 3
Weight approx.		kg	24	22	32
Type			Smartrac® 120	Smartrac® 150 vario	Smartrac® 300 vario
Reference no.			279903	279904	279905
Accessories					
			Kernmantle rope	Kernmantle rope	Kernmantle rope
Reference no.			280587	280587	280588



Radio remote control for G-smartrac® continuous winch

Radio remote control to control the G-smartrac® endless winch

Weight approx.		kg	0,9
Reference no.			280585

► WLL: 0,1 t to 0,5 t

Options on request

- with plug-in pendant control panel; with cable reel (max. 40 m, for Tr10 and Tr30 models only); with return pulleys; as three-phase model for 400 V connections (for Tr30S and Tr50 models only); with kernmantle rope of any length



MINIOFOR continuous winch

Classic, mobile continuous rope winch for material transport. Operation with pendant control panel or radio remote control and stroke limitation in two directions by limit switches.

WLL	HL	kg	100	300	300	500
Speed main stroke		m/ min	15	5	13	7
for nominal rope Ø		mm	6,5	6,5	6,5	6,5
Lifting motor rating 230 V 50 Hz		kW	0,37	0,37	1,1	1,1
Control type			2.5 m control cable			
Weight approx.		kg	21	21,5	32	32
Type			Tr 10	Tr 30	Tr 30S	Tr 50
Reference no.			280423	280424	280425	280426
Accessories						
			Rope with thimble			
Reference no.			251152	251152	251152	251152
Type			Tr 10	Tr 30	Tr 30S	Tr 50
Control type			Radio			
Reference no.			280429	280430	280431	280432

► **WLL: 0,3 t to 0,5 t**

Technical data

- **Socket body surface:** galvanized
- **Fastening:** Wall or bracket mounting depending on the execution

Options on request

- with rope and end terminations; in stainless steel execution



Wall mounted rope winch

Hand-operated rope winch with self-locking brake and large rope holder for enormous lifting heights.
 Direction-independent rope lead-off.
 Drive crank removable or foldable depending on the version.

Tensile force		daN	300	500
Lifting height/crank revolution		mm	64	46
Gear transmission ratio			3,1	4,5
Rope diameter	ds	mm	4	5
Rope length max		m	29	20
Rope drum core dia.		mm	60	60
Weight approx.		kg	5	5
Type			Winch with wall mount	
Reference no.			156039	156040
Accessories				
			Rope with thimble	
Reference no.			236543	236544
Type			Winch with bracket mount	
Reference no.			200208	200209
Type			Winch with wall mount	
Reference no.			279430	279431
Type			Winch with bracket mount	
Reference no.			279432	279433

- ▶ **Very light but extremely strong construction**
- ▶ **Suitable for steel and nylon ropes**
- ▶ **Simple and fast introduction of the rope**
- ▶ **Socket body material: Aluminium**
- ▶ **Rolls material: Polyamide**
- ▶ **Suspension: Bolt suspension**

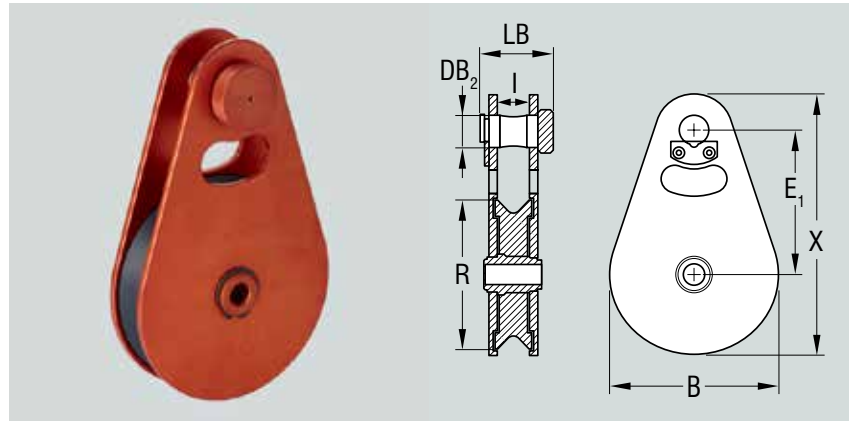
Technical data

- ▶ **Safety factor: 2** (designated permissible tensile force)
- ▶ Rope assembly by turning the moveable side plates.

Aluminium rope pulley

Rolling-bearing mounted rope pulley made of aluminium with fastening bolt for deflecting loads.

The side parts are made of special aluminium alloy with very good anti-corrosion protection.



Tensile force		kN	100	150	170
Tensile force winch max		kN	50	75	85
Rope pulley diameter	R	mm	158	198	198
for nominal rope Ø		mm	14	16	22
Body height	X	mm	270	343	343
Body width	B	mm	164	210	210
Body clearance	l	mm	31	38	38
Diameter bolt	DB	mm	36	42	42
Bolt length	LB	mm	72	86	86
Bolt centre points distance	E ₁	mm	150	190	190
Weight approx.		kg	2,4	3,9	5,1
Reference no.			237727	237728	243992

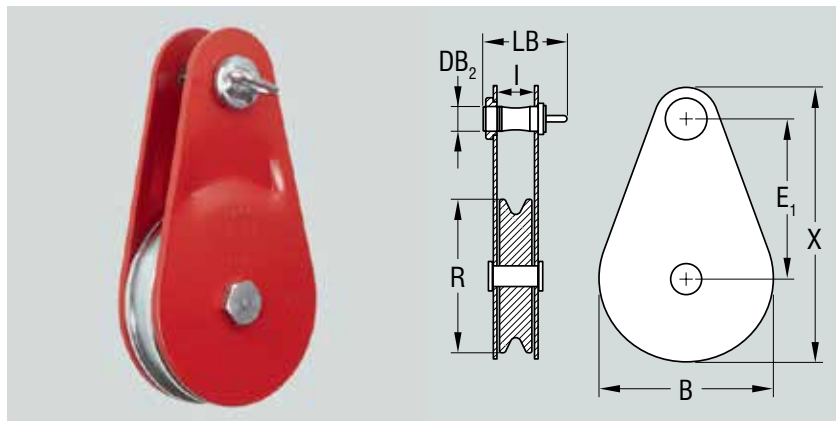
- ▶ Outstanding price-performance ratio
- ▶ Socket body material: Sheet steel
- ▶ Rolls material: Steel (galvanized and with ball bearings)
- ▶ Suspension: Bolt suspension

Technical data

- ▶ **Safety factor:** 2 (designated permissible tensile force)
- ▶ Ropes are fitted by removing a bolt.

Rope pulley

Rope pulley with fastening bolt for deflecting loads.



Tensile force		kN	10	20	160	240
Tensile force winch max		kN	5	10	80	120
Rope pulley diameter	R	mm	95	128	188	236
for nominal rope Ø		mm	6	8	16	20
Body height	X	mm	173	222	323	390
Body width	B	mm	96	134	190	240
Body clearance	I	mm	21,5	28	55	61
Diameter bolt	DB	mm	18	20	58	68
Bolt length	LB	mm	58	72	113	134
Bolt centre points distance	E ₁	mm	100	130	188	220
Weight approx.		kg	1,8	3,6	10,5	19
Reference no.			231850	231855	235600	243993

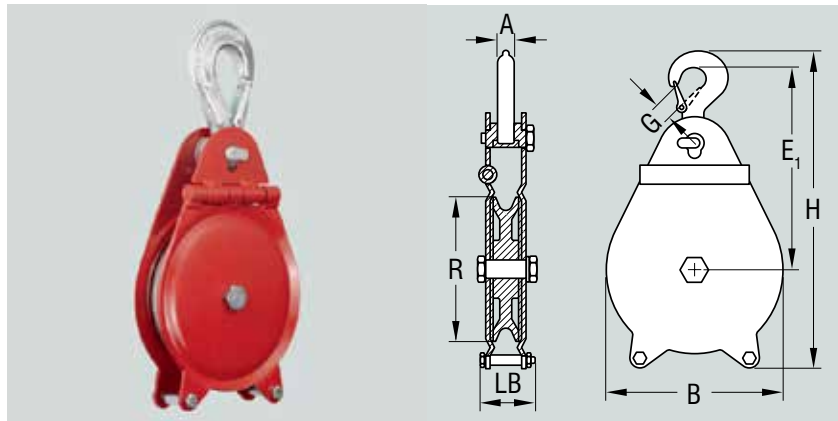
- ▶ **Socket body material:** Sheet steel
- ▶ **Rolls material:** Steel (galvanized and with ball bearings)
- ▶ **Suspension:** hook suspension gear

Technical data

- ▶ **Safety factor:** 2 (designated permissible tensile force)
- ▶ Ropes are fitted by swinging open a side plate.

Rope pulley, can be opened

Fold-out rope pulley with high-strength, rotatable fastening hook for deflecting loads.



Tensile force		kN	40	60	100
Tensile force winch max		kN	20	30	50
Rope pulley diameter	R	mm	160	190	222
for nominal rope Ø		mm	12	12	14
Overall height	H	mm	397	458	553
Body width	B	mm	190	220	256
Hook thickness	A	mm	20	25	30
Hook opening width	G	mm	32	39	48
Bolt length	LB	mm	59	71	84
Bolt centre points to suspension points distance	E ₁	mm	255	305	375
Weight approx.		kg	5,7	9,2	14,8
Reference no.			231857	231858	231859

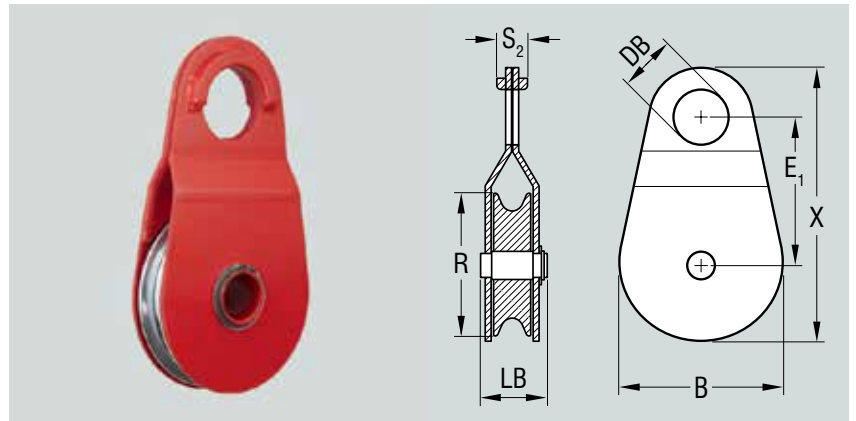
- ▶ **Rolls material: Steel (galvanized and with ball bearings)**

Technical data

- ▶ **Safety factor: 2** (designated permissible tensile force)
- ▶ Rope assembly by turning the moveable side plates.

Rope pulley

Rope pulley with fastening eyelets for deflecting loads.



Tensile force		kN	30	50	100
Tensile force winch max		kN	15	25	50
Rope pulley diameter	R	mm	105	140	175
for nominal rope Ø		mm	14	15	16
Body height	X	mm	198	268	333
Body width	B	mm	110	150	180
Drill hole diameter	DB	mm	40	50	70
Bolt length	LB	mm	45	51	56
Bolt centre points distance	E ₁	mm	108	148	180
Bracket size	S2	mm	20	24	32
Weight approx.		kg	1,95	4,3	7,3
Reference no.			231861	231862	231863

- ▶ Corrosion-resistant
- ▶ With attachment bolts
- ▶ Socket body material: Aluminium
- ▶ Overload protection: Shearing pins
- ▶ WLL: 0,8 t to 3,2 t

Technical data

- ▶ **Safety factor:** 4
- ▶ **Standard:** DIN EN 13157
- ▶ **Rope hoist rope:** Rope length unlimited



- ▶ Corrosion-resistant
- ▶ With equipment hooks
- ▶ Socket body material: Aluminium
- ▶ Overload protection: Shearing pins
- ▶ WLL: 0,8 t to 3,2 t

Technical data

- ▶ **Safety factor:** 4
- ▶ **Standard:** DIN EN 13157
- ▶ **Rope hoist rope:** Rope length unlimited



PFEIFER rope hoist – standard

Corrosion-resistant rope hoist with attachment bolts for standard load lifting and pulling applications.

The rope hoist has a rope release for unwinding the unloaded rope.

WLL		kg	800	1600	3200
Rope hoist type			P08	P16	P32
Body length	V	mm	426	545	660
Body width	B	mm	64	97	116
Body height	X	mm	235	280	325
Lever length min	K _{min}	mm	800	800	800
Lever length max	K _{max}	mm	800	1200	1200
Weight approx.		kg	7,05	14,75	25,3
Reference no.			156256	156257	156258
Accessories					
			rope	rope	rope
Reference no.			236527	236529	236530

Delivery without rope

TU grip hoist-rope hoist

Corrosion-resistant rope hoist with equipment hooks for demanding applications in the lifting and pulling of loads.

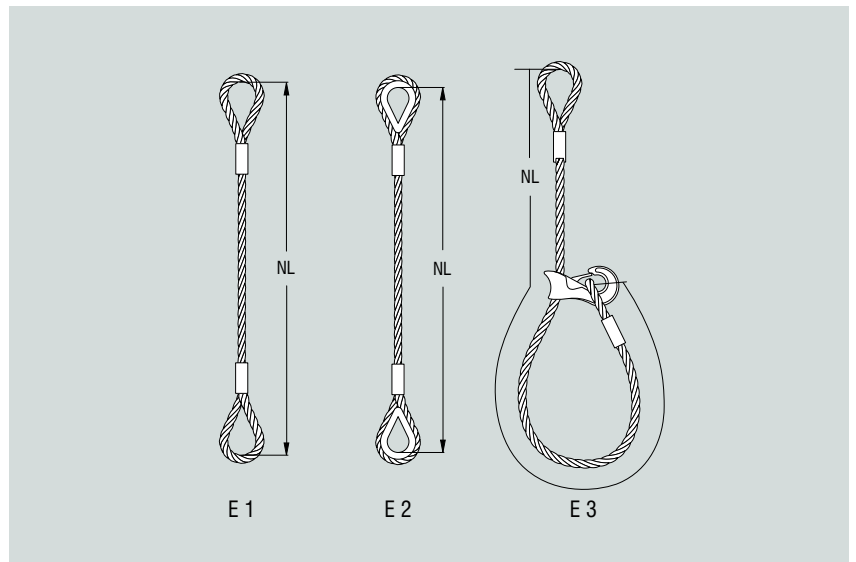
The rope hoist has a rope release for unwinding the unloaded rope.

WLL		kg	800	1600	3200
Rope hoist type			TU8	TU16	TU32
Body length	V	mm	530	660	700
Body width	B	mm	120	148	156
Body height	X	mm	285	360	373
Lever length min	K _{min}	mm	510	680	680
Lever length max	K _{max}	mm	770	1190	1190
Weight approx.		kg	9,4	20,4	29,4
Reference no.			115348	260283	260284
Accessories					
			rope	rope	rope
Reference no.			236493	236520	236521

Delivery without rope

Wire rope sling for rope hoist

Single-leg wire rope sling with eyes for rope hoists.
Defined quality thanks to production in accordance with
DIN EN 13414-1.



WLL		kg	700	800	1000	1000	1600	2000	2000	3150	3150
Type				E 3	E 1	E 2	E3	E 1	E 2	E 2	E 1
Rope diameter	ds	mm	8	10	10	10	14	14	14	18	18
Weight per first metre		kg	0,804	1,531	0,552	0,705	2,631	1,427	1,594	2,913	1,618
Effective length	NL	m	1	1	1	1	1	1	1	1	1
Reference no.			504585	504543	504579	504573	504548	504558	504568	504553	504563
Effective length	NL	m	2	2	2	2	2	2	2	2	2
Reference no.			504586	504544	504580	504574	504549	504559	504569	504554	504564
Effective length	NL	m	3	3	3	3	3	3	3	3	3
Reference no.			504587	504545	504581	504575	504550	504560	50457	504555	504565
Effective length	NL	m	4	4	4	4	4	4	4	4	-
Reference no.			504588	504546	504582	504576	504551	504561	504571	504556	-
Effective length	NL	m	5	5	5	5	5	5	5	5	-
Reference no.			504589	504547	504583	504577	504552	504562	504572	504557	-
Effective length	NL	m	-	-	6	6	-	-	-	-	-
Reference no.			-	-	504584	504578	-	-	-	-	-

► WLL: 0,8 t to 3,2 t

Technical data

► **Rope hoist rope:** Securing the twisted ends against springing open by hammering.



Options on request

► Matching end fittings; Rope for unguided loads



Rope for rope hoist with eye load hook

Suitable ropes for rope hoists type P08/P16/P32/TU8/TU16/TU32.

WLL load hook		kg	800	1600	3200	800	1600	3200
Rope hoist type			P08	P16	P32	TU8	TU16	TU32
Rope diameter	ds	mm	8,4	11,5	16	8,4	11,5	16
Weight approx.		kg	0,677	1,004	2,33	0,697	1,004	2,33
Reference no.			236527	236529	236530	236493	236520	236521

Please always indicate the desired rope length!

Winch rope with thimble and eye load hooks

Rope to suit your winch – complete with thimble ferrule, hook and wound on reel for guided loads.

Rope diameter	ds	mm	6,5
Weight approx.		kg	2,543
Reference no.			251152

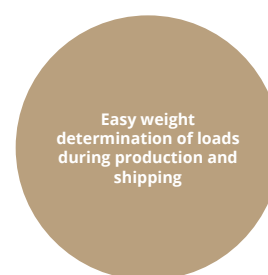
Scales

Dynamometers and crane scales enable load weights or tensile forces to be determined precisely.

Selection aid: Which weighing device is the right one for my application?

Question:

Which tensile force/load weight is to be determined?



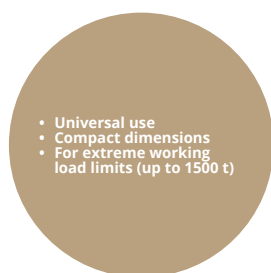
Crane scales



Product	Special feature	Page
Compact Plus	Display	460
Multi	remotely readable	462

Question:

For which application do you need the device?



Tensile force measuring shackle on request



Dynamometers

Product	Special feature	Page
Loadlink Plus	Display	458
Radiolink Plus	remotely readable	456
Wirelink Plus	Remotely readable by wire	460

Calibration and repair service



Fast, reliable and professional calibration of your dynamometers and crane scales.

Any questions?

We'll be glad to advise you

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+ 352-57 42 42

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- ▶ Order scheduling
- ▶ Mobile and stationary Inspection Service
- ▶ Instant repairs
- ▶ Spare parts service
- ▶ Modern data management

Total range:

www.pfeifer.info/mobile-services



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Luxembourg

info@pfeifer-sogequip.lu
+352 57 42-42

- ▶ Remotely readable by wireless
- ▶ Acoustic warning signal in case of overload and tare function
- ▶ Certification: Calibration certificate included

▶ **Certification:** Calibration certificate included

Technical data

- ▶ **Operating temperature:** -10 °C to +50 °C
- ▶ **Protection class:** IP67
- ▶ **Battery type:** Standard AA battery
- ▶ **Battery lifetime (continuous operation):** 1200 h

Dynamometer Radiolink plus

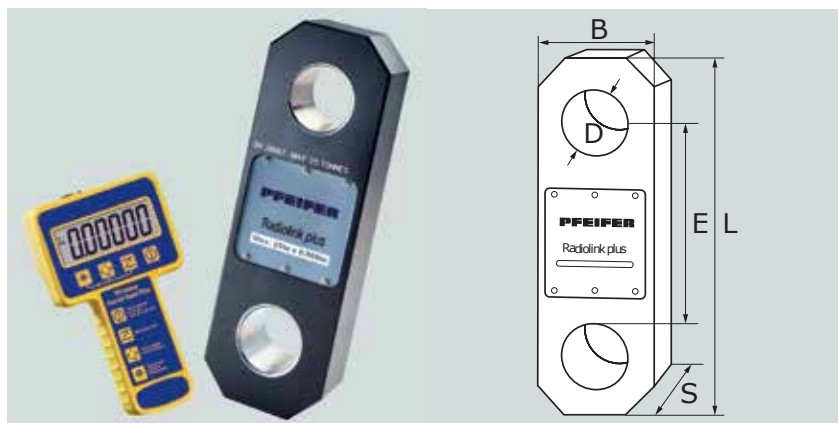
Remotely readable dynamometer for normal weighing or dynamic force monitoring.

Highest measuring accuracy $\pm 0.1\%$ of the maximum measuring range thanks to high-quality aviation aluminium for constant measured values (standard unit of measurement t).

Including PW-HHP wireless remote read-out device with 6-digit LCD display and system range of 1000 m.

The measuring device has an acoustic warning signal in case of overload and a tare function.

Packed in a high-quality aluminium case or wooden box.
2-year manufacturer's warranty.



Type			PRLP1T	PRLP2T5	PRLP6T5	PRLP12T	PRLP25T	PRLP35T	PRLP55T
Measuring range max		t	1	2,5	6,5	12	25	35	55
Scale division		kg	0,5	1	1	2	5	5	10
Safety factor	SF		12	7	7	7	5	5	5
Overall length	L	mm	204	204	249	305	340	393	424
Total thickness	S	mm	43	43	43	47	60	75	75
Overall width	B	mm	104	104	113	113	115	126	180
Suspension point distance	E	mm	146	146	165	193	215	225	230
Suspension point strength	S ₁	mm	19	19	32	-	-	-	-
Diameter Eye	D	mm	24,5	24,5	38	47,5	55	60	76
Clearance bracket	W	mm	48	48	66	-	-	-	-
Weight approx.		kg	1,5	1,5	2,4	3,7	5	8,6	13
Reference no.			217173	217174	217175	217177	217179	277257	217180
Accessories									
						2 suitable shackles			
Reference no.			218251	218251	218252	218253	218254	277316	218255

Type			PRLP75T	PRLP100T	PRLP150T	PRLP200T	PRLP250T	PRLP300T
Measuring range max		t	75	100	150	200	250	300
Scale division		kg	10	50	50	100	100	100
Safety factor	SF		5	5	4	5	4	5
Overall length	L	mm	470	608	670	700	700	806
Total thickness	S	mm	75	99	99	144	144	150
Overall width	B	mm	202	255	303	350	350	426
Suspension point distance	E	mm	260	320	360	350	350	350
Suspension point strength	S ₁	mm	-	-	-	-	-	-
Diameter Eye	D	mm	76	109	109	132	132	160
Clearance bracket	W	mm	-	-	-	-	-	-
Weight approx.		kg	16	34	46	82	82	118
Reference no.			277258	217181	277259	217182	217183	277261
Accessories			2 suitable shackles					
Reference no.			on request	on request	on request	on request	on request	on request

The device is ready to use with 2 matching shackles – order them at the same time!

► **Peak value memory, tare function and acoustic warning signal in case of overload**

► **Certification: Calibration certificate included**

► **Certification:** Calibration certificate included

Technical data

► **Operating temperature:** -10 °C to +50 °C

► **Protection class:** IP65

► **Battery type:** 9V block battery

► **Battery lifetime (continuous operation):** 80 h

Options on request

► With the PFEIFER Handheld Plus wired readout device – enables the safe readout of the measured values in case of poorly visible display of the dynamometer

Dynamometer Loadlink Plus

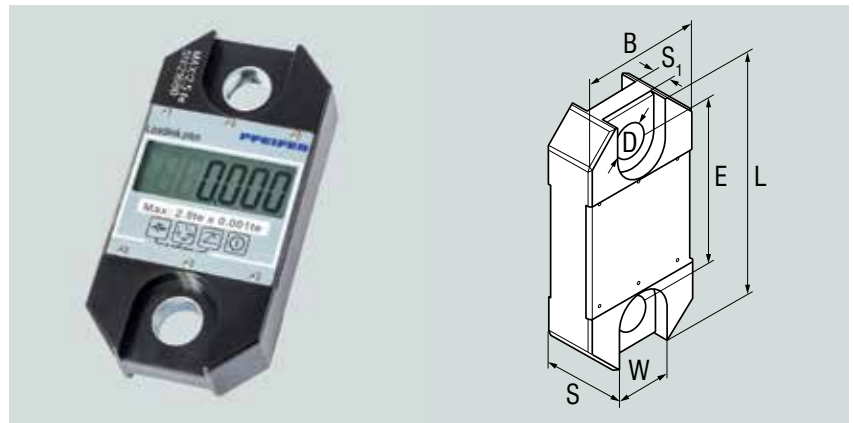
Dynamometer with 6-digit LCD display suitable as a crane scales or for measuring tensile forces in horizontal or vertical use.

Accuracy +/-0.1% of the maximum measuring range (standard units of measurement in kg, t, kN, lbs).

The dynamometer has an acoustic warning signal in case of overload, a tare function and a peak value memory.

Packed in a high-quality aluminium case.

2-year manufacturer's warranty.



Type			PLL1T	PLL2T5	PLL6T5	PLL12T	PLL25T	PLL35T	PLL55T
Measuring range max		t	1	2,5	6,5	12	25	35	55
Scale division		kg	0,5	1	1	2	5	5	10
Safety factor	SF		12	5	5	5	5	5	5
Overall length	L	mm	204	204	249	305	340	393	424
Total thickness	S	mm	43	43	43	47	60	75	75
Overall width	B	mm	104	104	113	113	115	126	180
Suspension point distance	E	mm	146	146	165	193	215	225	230
Suspension point strength	S ₁	mm	19	19	32	-	-	-	-
Diameter Eye	D	mm	24,5	24,5	38	47,5	55	60	76
Clearance bracket	W	mm	48	48	66	-	-	-	-
Weight approx.		kg	1,5	1,5	2,4	3,7	5	8,6	13
Reference no.			217160	217161	217162	217164	217166	279944	217167

Accessories

										PC-HHP wired remote read-out device 10 m/20 m
Reference no.			225721	225721	225721	225721	225721	225721	225721	225721
										PC-HHP wired remote read-out device 10 m/20 m
Reference no.			225722	225722	225722	225722	225722	225722	225722	225722
										2 suitable shackles
Reference no.			218251	218251	218252	218253	218254	277316	218255	

Type			PLL75T	PLL100T	PLL150T	PLL200T	PLL250T	PLL300T
Measuring range max		t	75	100	150	200	250	300
Scale division		kg	10	50	50	100	100	100
Safety factor	SF		5	5	4	5	4	5
Overall length	L	mm	470	608	670	700	700	806
Total thickness	S	mm	75	99	99	144	144	150
Overall width	B	mm	202	255	303	350	350	426
Suspension point distance	E	mm	260	320	360	350	350	350
Suspension point strength	S ₁	mm	-	-	-	-	-	-
Diameter Eye	D	mm	76	109	109	132	132	160
Clearance bracket	W	mm	-	-	-	-	-	-
Weight approx.		kg	16	34	46	82	82	118
Reference no.			279945	217168	279946	217169	217170	279947
Accessories								
			PC-HHP wired remote read-out device 10 m/20 m					
Reference no.			225721	225721	225721	225721	225721	225721
			PC-HHP wired remote read-out device 10 m/20 m					
Reference no.			225722	225722	225722	225722	225722	225722
			2 suitable shackles					

The device is ready to use with 2 matching shackles - order them at the same time!

- ▶ Remotely readable by wire
- ▶ Acoustic warning signal in case of overload and tare function
- ▶ **Certification: Calibration certificate included**

▶ **Certification:** Calibration certificate included

Technical data

- ▶ **Operating temperature:** -10 °C to +50 °C
- ▶ **Protection class:** IP67
- ▶ **Battery type:** 9V block battery
- ▶ **Battery lifetime (continuous operation):** 80 h

Dynamometer Wirelink Plus

Dynamometer suitable for use as a crane scale or for measuring tensile forces.

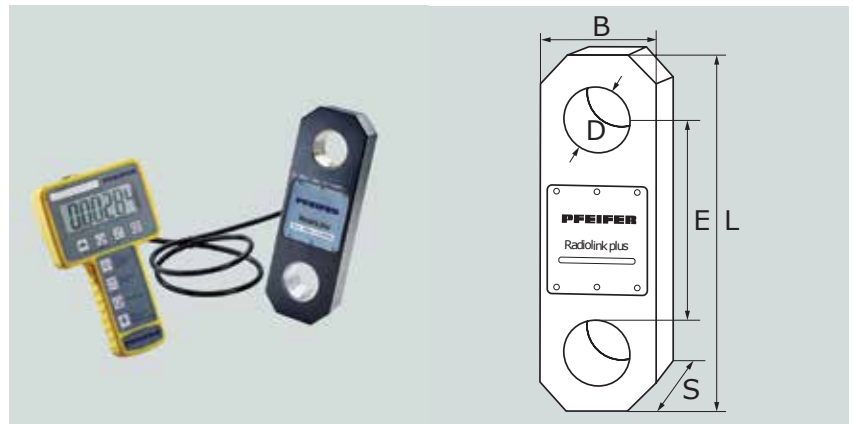
With wired remote reader with LCD display – system range depends on the cable length (10 m cable included).

Accuracy +/-0.1% of the maximum measuring range (standard units of measurement in kg, t, kN, lbs).

The measuring device has an acoustic warning signal in case of overload and a tare function.

Packed in a high-quality aluminium case.

2-year manufacturer's warranty.



Type			WLP1T	WLP2T5	WLP6T5	WLP12T	WLP25T	WLP35T
Measuring range max		t	1	2,5	6,5	12	25	35
Scale division		kg	0,5	1	1	2	5	5
Safety factor	SF		12	7	7	7	5	5
Overall length	L	mm	204	204	249	305	340	393
Total thickness	S	mm	43	43	43	47	60	75
Overall width	B	mm	104	104	113	113	115	126
Suspension point distance	E	mm	146	146	165	193	215	225
Diameter Eye	D	mm	24,5	24,5	38	47,5	55	60
Weight approx.		kg	1,5	1,5	2,4	3,7	5	8,6
Reference no.			225748	225749	225750	225751	225752	279954
Accessories								
			2 suitable shackles					
Reference no.			218251	218251	218252	218253	218254	277316

Type			WLP75T	WLP100T	WLP150T	WLP200T	WLP250T	WLP300T
Measuring range max		t	75	100	150	200	250	300
Scale division		kg	10	50	50	100	100	100
Safety factor	SF		5	5	5	5	4	5
Overall length	L	mm	470	608	670	700	700	806
Total thickness	S	mm	75	99	99	144	144	150
Overall width	B	mm	202	255	303	350	350	426
Suspension point distance	E	mm	260	320	360	350	350	350
Diameter Eye	D	mm	76	109	109	132	132	160
Weight approx.		kg	16	34	46	72	72	118
Reference no.			279955	225754	279956	225755	225756	279957
Accessories			2 suitable shackles					
Reference no.			on request	on request	on request	on request	on request	on request

The device is ready to use with 2 matching shackles – order them at the same time!

Technical data

- ▶ **Operating temperature:** -10 °C to +40 °C
- ▶ **Protection class:** IP40
- ▶ **Battery type:** 4 x AA
- ▶ **Battery lifetime (continuous operation):** 40 h

Crane scales Multi

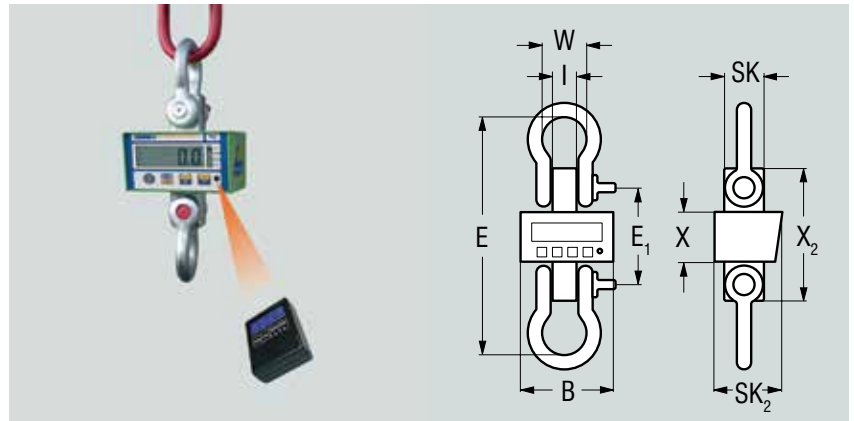
Reliable crane scale with LCD display for in-plant applications.

Accuracy 0.03% within the weighing range.

The moisture-protected keyboard has 4 buttons: ON/OFF, zero position/automatic TARE, F1 and F2.

Infrared remote control is configurable as a taring device or remote keyboard.

Delivery in practical transport case.



Type			MCWN-1500-6000	MCWN-3000-9500
Measuring range max		kg	6000	9500
Scale division min		kg	0,5	1
Scale division max		kg	2	5
Clearance	W	mm	58	75
Body width	B	mm	171	171
Body height	X	mm	94	94
Body height	X ₂	mm	214	241
Body depth	SK	mm	59	64
Body depth	SK ₂	mm	125	125
Suspension point distance	E	mm	353	419
Bolt centre points distance	E ₁	mm	158	171
Distance eye	I	mm	33	46
Weight approx.		kg	10	11,5
Reference no.			197922	197923

The shackles are already included when ordering the crane weigher.

Transport devices

Machines, devices and other loads up to 24 t can be moved internally with our transport devices. The range includes transport castors for different load dimensions and load weights.

A wide variety of transport tasks can be solved by individually assembling transport sets.

Notice on safe use

The carrying capacity specifications of the complete sets apply with optimal load distribution, i.e. taking into account the payloads of the individual castors.



- ▶ Robust and durable
- ▶ Service-friendly
- ▶ WLL: 6 t to 24 t

Technical data

- ▶ **Rolls material:** Polyurethane
- ▶ **Suspension:** With lifting eye from 12 t
- ▶ **Shaft surface:** galvanized
- ▶ **Load contact surface material:** Rubber (abrasion-resistant)



Transport trolley set

Transport trolley set for in-works transport including heavy-duty machine transport – on all floors thanks to high-quality heavy-duty polyurethane rollers.

The abrasion-resistant rubber surface provides for optimum holding of the load.

The transport trolleys can be combined. The lowest load capacity applies in each case.

The set consists of a transport trolley (distance adjustable) and a steerable transport trolley.

The load capacity specifications of the complete sets are valid with optimal load distribution, i.e. the permissible payloads of the individual rollers must be taken into account.

WLL	kg	6000	12000	18000	24000
Weight approx.	kg	24	70	90	105
Reference no.		274317	274318	274319	274320

The individual components – steerable transport trolley and adjustable transport trolley – are also individually available.

Replacement rollers with circlip* for transport trolleys

Replacement rollers with circlip*

Rollers material			Polyurethane
Rollers diameter	FLR	mm	85
Rollers width	FB	mm	80
Weight approx.		kg	1,2
Reference no.			275216

Tool hydraulics

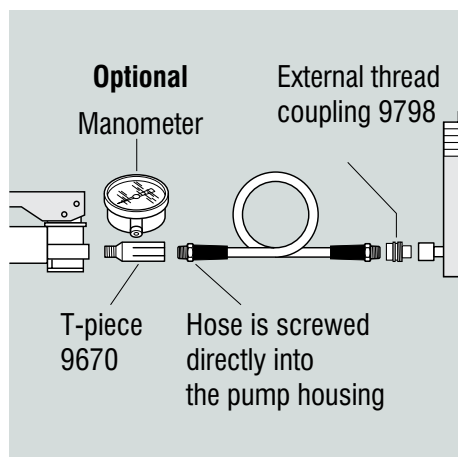
Machines or assemblies can be pulled, tensioned or lifted with our tool hydraulics.

We offer:

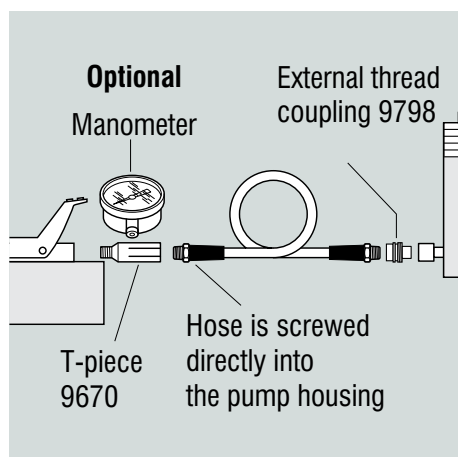
- Hydraulic cylinders for lifting, pulling or tensioning
- Standard, hand and foot pumps in single-stage and two-stage executions
- Hydraulic hoses for connection to hydraulic cylinders
- Pressure gauges for load and pressure indication
- Connection fittings

Note on the correct connection

How it works:



Connection of hand pump system. A T-piece is required for the pumps P12, P19, P23, P59 and P59F. All other pumps have a manometer connection.



Connection system with single-action pneumatic pump.

► WLL: 10 t to 50 t

Technical data

- **Piston rod surface:** hard-chrome plated
- **Thread size NPT:** 3/8

Options on request

- larger nominal loads; further lifting heights



Hydraulic cylinder series RLS

The flat, single-action hydraulic cylinder without external thread is ideally suited for confined spaces, small profiles or frames and applications such as straightening, lifting and clamping, and in compact presses.

Quick retraction is possible due to the optimised return spring. The cylinder can be used with standard, hand and foot pump cylinders as well as lightweight pumps.

The plunger is exchangeable.

Type			RLS100	RLS200	RLS300	RLS500S
WLL	HL	t	10	20	30	50
Lifting height max	H _{max}	mm	11,1	11,1	12,7	15,9
Oil requirement		cm ³	16,4	32,8	52,5	98,4
Body height	X	mm	44,5	50,8	58,7	66,7
Weight approx.		kg	1,5	2,5	3,9	6,3
Reference no.			156023	156024	156025	156026

► WLL: 10 t to 100 t

Technical data

- **Piston rod surface:** hard-chrome plated
- **Thread size NPT:** 3/8

Options on request

- larger nominal loads; further lifting heights



Series-RSS short-stroke hydraulic cylinder – single-action

The single-action hydraulic cylinder without external thread is ideally suited for confined spaces in combination with high nominal loads.

Quick retraction is possible due to the optimised return spring. The cylinder can be used with standard, hand and foot pump cylinders as well as lightweight pumps.

The plunger is exchangeable.

Type			RSS101	RSS202	RSS302	RSS502	RSS1002
WLL	HL	t	10	20	30	50	100
Lifting height max	H _{max}	mm	38,1	44,5	61,9	60,3	57,2
Oil requirement		cm ³	55,8	126,3	259,1	373,7	724,9
Body height	X	mm	88,9	95,3	117,5	127	139,7
Weight approx.		kg	2,7	4,5	6,7	10,5	21,4
Reference no.			156027	156028	156029	156030	156031

► Pneumatic or electric drive

Technical data

- **Operating voltage:** 230 V AC/50 Hz
- **Control line length:** 3,1 m
- **Thread size NPT:** 3/8

Options on request

- more pumps; Pumps driven by battery or rechargeable battery



Pneumatic and electric pumps for hydraulic cylinders

The single-action pump is suitable for series-C general-purpose cylinders, series-RH hollow piston cylinders, series-RLS flat cylinder and series-RSS short-stroke cylinders.

The pneumatic or electric drive offers enormous comfort when dealing frequently with hydraulics.

The required air pressure is 3 to 8 bar.

Type		PA6	PA462	PE172-E220
Drive type		Compressed air	Compressed air	electric
Oil requirement	cm ³	1,7	9,5	-
Usable volume oil	cm ³	1,6	9,4	4,72
Number of pressure levels	pcs	1	2	2
Control line length	m	3,1	3,1	3,1
Weight approx.	kg	6,3	27,2	20,4
Reference no.		155998	218335	156000

A hydraulic tube and a coupling half for connection to the cylinder are required for all pumps.

Technical data

- **Thread size NPT:** 3/8

Options on request

- more pumps



Standard, manual and foot pump cylinder

The single-action pump is suitable for series-C general-purpose cylinders, series-RH hollow piston cylinders, series-RLS flat cylinder and series-RSS short-stroke cylinders.

Type		P55	P19	P59	P59F	P159	P460
Oil requirement	cm ³	902	400	902	902	2491	9500
Usable volume oil	cm ³	738	328	738	738	2245	7539
Lever pressure	kg	66	45	66	55	64	41
Number of pressure levels	pcs	1	2	2	2	2	2
Volume/stroke low pressure stage	cm ³	2,6	5	10,9	9	42,6	120,5
Volume/stroke high pressure stage	cm ³	-	1,2	2,6	2,1	2,6	4,6
Weight approx.	kg	7,2	3	7,8	6,4	11,9	24,9
Reference no.		155975	155976	155977	218312	155978	155979

A hydraulic tube and a coupling half for connection to the cylinder are required for all pumps.

► Low leverage

Technical data

► Thread size NPT: 3/8

Options on request

► more pumps



► Operating pressure: Bursting pressure = 700 bar: 2800 bar.

Technical data

► Material: Polyurethane

► Hose internal dia.: 6,4 mm

Options on request

► in other hose materials, e.g. rubber hoses or non-conductive hoses; with hosepipes with a larger diameter for faster oil return or faster lowering



Lightweight pump for hydraulic cylinders

The single-action pump is suitable for series-C general-purpose cylinders, series-RH hollow piston cylinders, series-RLS flat cylinder and series-RSS short-stroke cylinders.

Due to the low leverage and the lightweight construction, the handling is particularly easy.

Type		P19L	P59L
Oil requirement	cm ³	475	1131
Usable volume oil	cm ³	443	1082
Lever pressure	kg	37	44
Number of pressure levels	pcs	2	2
Volume/stroke low pressure stage	cm ³	4,1	12
Volume/stroke high pressure stage	cm ³	0,9	2,6
Weight approx.	kg	2,3	4,1
Reference no.		218310	218311

A hydraulic tube and a coupling half for connection to the cylinder are required for all pumps.

Hydraulic hose with coupling half

Highly stable hydraulic hose with external thread at both ends.

Type		9765E	9767E	9769E	9771E
Weight approx.	kg	0,34	0,88	1,08	2,1
Effective length (in metres)	m	0,6	-	-	-
Reference no.		156001	-	-	-
Effective length (in metres)	m	-	1,8	-	-
Reference no.		-	156002	-	-
Effective length (in metres)	m	-	-	3,1	-
Reference no.		-	-	156003	-
Effective length (in metres)	m	-	-	-	6,1
Reference no.		-	-	-	156004

Technical data

► **Socket body material:** Steel (non-rusting)

Options on request

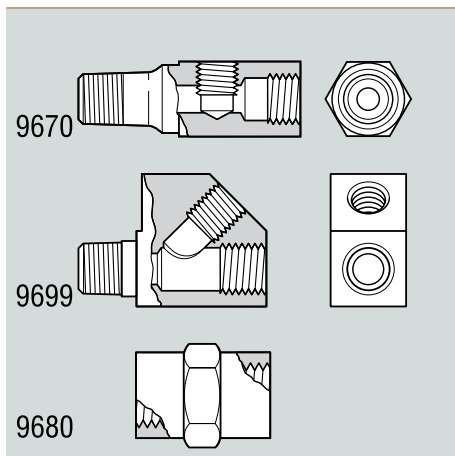
► with display in t; with 1/4" NPT connector



Manometer for load or pressure display

Display in bar for the tension or pressure with defined force for exact measurement of the load weight.
 Connection by means of an adapter.

Type			9040E	9052E
Scale min		bar	20	10
Scale max		bar	100	100
Measuring range min		bar	0	0
Measuring range max		bar	690	690
Overall diameter	D	mm	63	100
Weight approx.		kg	0,234	0,25
Reference no.			160984	218319



Connection fittings for manometers

Connection valve for the integration of a pressure gauge into the hydraulics.

Type 9670: T-piece for mounting a pressure gauge between pump and hose coupling. Connectors with 1/4" and 3/8" NPTF internal thread and 3/8" NPTF external thread.

Type 9699: Pressure gauge connector with 3/8" NPTF external and internal thread and 1/4" NPTF internal thread at an angle of 45°.

Type 9680: Coupling with double-sided 3/8" NPTF internal thread.

Type		9670	9699	9680
Measuring range max	bar	700	700	700
Weight approx.	kg	0,05	0,05	0,05
Reference no.		218320	218321	218322

Technical data

► **Socket body material:** Steel (non-rusting)



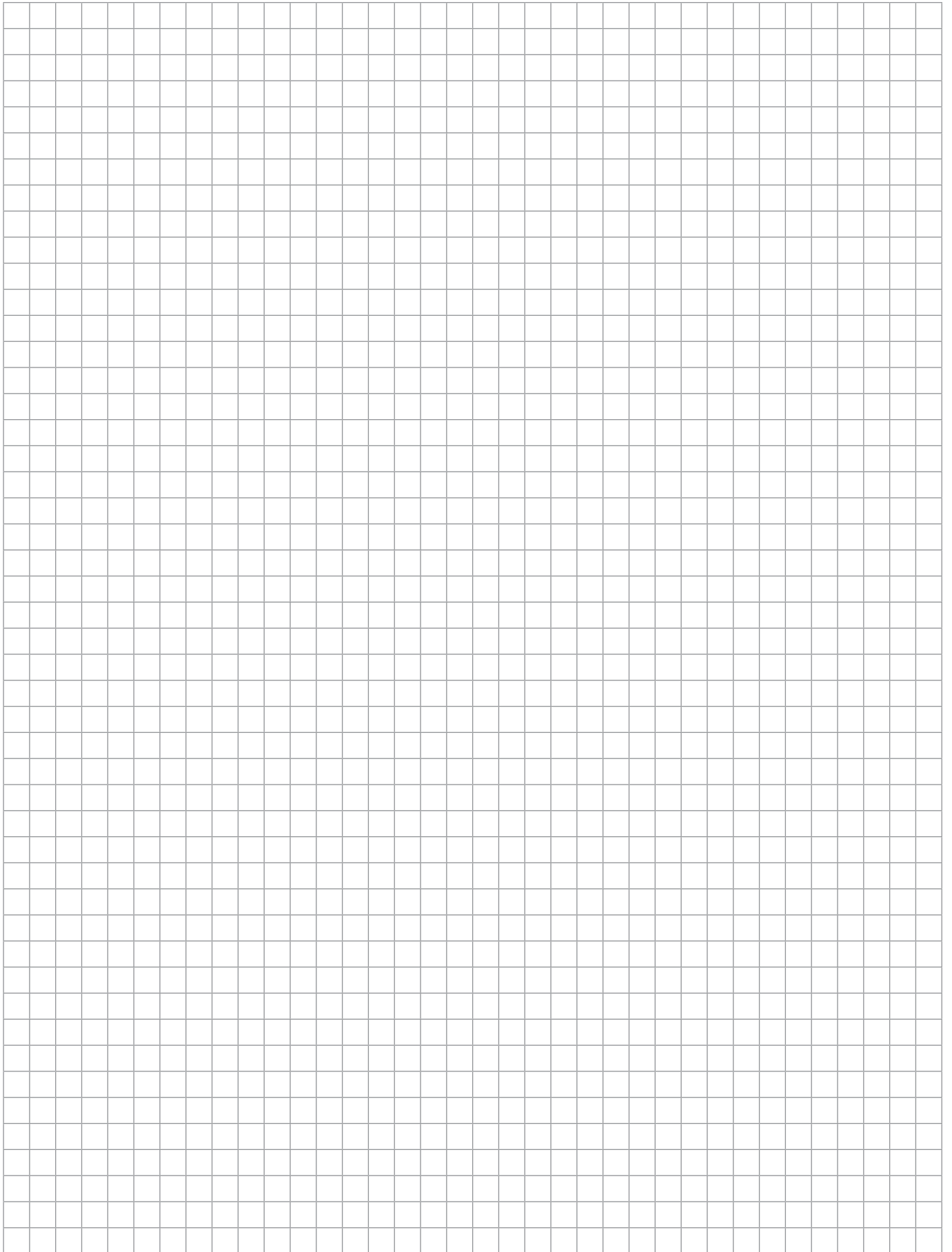
Hydraulic coupling half

Coupling half for high-pressure hydraulics for quick replacement of cylinders.

The integrated precision ball valve ensures optimal sealing when separating the coupling.

Connection by means of an adapter.

Type		9798
Measuring range min	bar	0
Measuring range max	bar	700
Weight approx.	kg	0,12
Reference no.		156005



Safe on the road. With intelligent solutions.

Wherever loads are transported, you are well advised with us. Discover our sophisticated product range for cargo lashing equipment and make use of the appropriate services from advice to specialist seminars. Because safety comes first. With PFEIFER.



Cargo lashing equipment

Lashing equipment _____	474
Accessories for load securing _____	520

Responsibilities for load securing

Load securing is the responsibility of all those involved in the transport! That also includes load securing for in-plant transport. HINTS for those responsible:

- **Sender** Detailed loading instructions prevent ambiguities
- **Loaders:** Inspection of the vehicle to be loaded for apparent defects before the loading process (→ MUST be rejected in case of defects!), carrying out a departure check for sufficient load securing, documentation with pictures and a load securing record
- **Vehicle owners:** Performing and documenting regular inspections of vehicles and load securing aids
- **Planners** e.g. in the planning of concrete components
- **Haulage companies/vehicle driver:** Coordination of loading instructions with the loader

Incorrect or missing cargo lashing equipment leads to fines, points, criminal charges with fines/imprisonment and/or prohibition of the onward journey in the event of accidents and inspections, depending on the extent!

Physical principles

With every change in speed and direction of a vehicle, forces occur that can cause the load to slip, roll, tip over or fall down.

- **Inertial forces** e.g. during braking (FT): press the load forwards, backwards or sideways, depending on the driving situation
- **Retention force/securing force** (FS): must be applied by means of securing devices
- **Weight force** (FG)
- **Friction force** (FR): acts between the load and the loading surface against the inertial force and is independent of the weight of the load and/or the size of the contact surface; coefficient of sliding friction results from the respective material pairing

Diagonal lashing: Lashing capacity LC

- Form-fit securing method
- Securing of the load through opposite-acting bracing
- Lashing straps are firmly attached to the load
- Lashing equipment is pre-tensioned with lower forces, since the securing forces of the lashing system only become active when horizontal forces act on the load, (driving around bends and braking).
- The higher the weight of the load, the higher the necessary lashing force of the lashing system!
- Lashing angle recommendation:
 α : 30° to 75°
 B: 10° to 60°

Lashing down: Pretensioning force (STF)

- Force-locked method
- The force in daN (approx. kg) that can be inducted into the lashing system by applying a force of 50 kg to the ratchet lever.
- Securing the load by pressing it onto the loading surface, so that the friction between the loading surface and the load is increased and independent movement of the load is no longer possible
- The higher the weight of the load, the more lashing straps have to be used.
- Systems with high STF reduce the required number of lashing straps – Saving costs and time
- Effect of lashing angle α on effective pre-tensioning force: The flatter the angle, the smaller the remaining effective pre-tensioning force

Lashing angle α	$\sin \alpha$	effective pre-tensioning force
90°	1,00	100 %
80°	0,98	98 %
70°	0,94	94 %
60°	0,87	87 %
50°	0,77	77 %
40°	0,64	64 %
30°	0,50	50 %
20°	0,34	34 %
10°	0,17	17 %

- Hint: Use of anti-slip underlays as a useful and economical addition as well as use of edge protectors to protect against sharp edges and distribute the pre-tensioning force on both sides of the load

Lashing straps

With our range of textile lashing straps according to EN 12195-2 you can achieve pre-tensioning forces of up to 660 daN when lashing down and up to 10000 daN lashing force when lashing diagonally.

Expertise in lashing straps

Push-ratchet: Tensioning element where the ratchet lever is moved in the direction of the loose end to apply the tension.

Pull-ratchet: Tensioning element where the ratchet lever is moved in the direction of the fixed end – i.e. the part of the strap that is firmly connected to the ratchet – to apply the tension. In most cases, a pull-ratchet has a longer ratchet lever and is therefore also referred to as a long-lever ratchet (LH). Due to the longer lever, it is easier to tension with higher force, so that up to a 100% larger pre-tensioning force can be achieved. When lashing cargo on trucks, where lashing straps are usually applied horizontally, a pulling movement is more advantageous to the user and less damaging to the health.

Clamping lock: Tensioning element made of cast metal or formed sheet steel for narrower lashing straps. The closure consists of a deflection bar and a knurled clamping jaw, which is pressed against the bar with a spring. The strap can be pulled through in one direction, while in the other direction it is blocked by the clamping jaw.

Lashing straps with clamping lock are particularly suitable for cargo lashing in cars, trailers or vans. Quickly and easy to handle, loads can be bundled or cartons can be fastened to a pallet for example.

Transport lock: available for many ratchet types; after tensioning the strap, the pawl is pulled and the ratchet is closed. The pawl now locks into place in the locking position and prevents the ratchet lever from opening during transport.

Selection aid: Which lashing strap is the right one for my application?

Question:
Which criteria do you use to choose your lashing strap?

By strap width				By lashing method			By ratchet type
Width	Lashing down			Diagonal lashing			Type
Harness strap width [mm]	Pre-tensioning force STF [daN]	Polytex® lashing straps	Page	Lashing force LC [daN]	Polytex® lashing straps	Page	
75	-	-	-	10000	RS-75 XL	482	Push-ratchet
75	-	-	-	5000	RS-75	483	Push-ratchet
50	660	LH-ERGO NZ	486	2500	RS-50	492	Push-ratchet
50	550	LH-ERGO PLUS	484	2500	LH-ERGO Plus	484	Pull-ratchet with long lever
50	500	LE-ERGO Robust	487	2500	LH-ERGO Robust	487	Pull-ratchet with long lever
50	400	LH-ERGO	489	2500	LH-ERGO	489	Pull-ratchet with long lever
50	400	LH-50 STEP	491	2500	LH-50 STEP	491	Push-ratchet with long lever
50	300	RS-50	492	1500	LH-ERGO NZ	486	Pull-ratchet with long lever
35	260	RS-35	494	1000	RS-35	494	Push-ratchet
25	200	RS-25 MULTI	496	500	RS-25 MULTI	496	Push-ratchet
25	50	RS-25 MINI	497	250	RS-25 MINI	497	Push-ratchet
Lashing straps with clamping lock for strapping/bundling							
35	-	-	-	800	KS-35	495	Clamping lock
25	-	-	-	250	KS-25	498	Clamping lock

See page 487 for lashing systems for internal lashing.

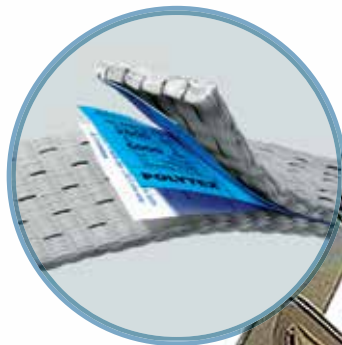
We also test and carefully select the accessories.



These include anti-slip underlays, edge protection systems, lashing points and recessed lashing rings, and the lashing strap winder.
From page 520

Known for quality: Polytex® lashing straps

The Polytex® advantages



Practical extras:

- Strap material with additionally woven-in identification threads (except 25 mm straps)

High quality

- Guaranteed compliance with standards: Lashing straps according to EN12195
- Manufactured from high-quality materials
- Own sewing department in Memmingen
- Certified quality management

With Polytex® Flip Label

- Tear-proof due to short design and double layer
- Safety instructions sewn in addition to the label
- Quiet in the airstream due to short design
- Marking option for the performed test on the carrying capacity label

Unique serial number

- Clear assignment, better traceability, easier handling in service

The PFEIFER quality promise:

We advise you with over 40 years of experience in the production and use of textile products for load securing. We manufacture in our own sewing department and test breaking forces, safety factors and elongation behaviour in our own test laboratory.

Special solutions: We make it possible

Can't find the right one in our range? Or would you like special markings or fittings? We advise you and manufacture high-quality lashing straps in custom lengths or other special versions in the shortest possible time.

Any questions?
We'll be glad to advise you

Germany
+ 49 (0) 8331-937-112

Austria
+ 43 (0) 7224-66224-0

Switzerland
+ 41 (0) 44 768 55-55

Luxembourg
+ 352-57 42 42

Individualised lashing straps with lettering and logo printing

Take advantage of our offer to print your lashing straps with your desired text. Additional advertising space gives your company more presence.



Harness strap		25mm	35mm	50mm/75mm
Font height*	mm	19	25	38
Distance between texts	mm	600	700	800
Logo/font*		Yes	Yes	Yes
Minimum order	pieces	24	20	16

* Logo, other font heights and other fonts are possible. A preliminary clarification is required.

Have we stirred your interest?

Get an individual quotation.

Notice on safe use

Observe the regulations!

Load securing is indispensable! Everyone involved in the transport is responsible, including the driver and vehicle owner. The regulations for load securing also apply to in-plant transport!

Use anti-slip underlays

See page 520 for the assortment

Use edge protectors to protect against sharp edges

See page 526 for further information

Take advantage of our services!

We support you with inspections for the safety and discarding time of your attachment devices.



Services

- ▶ Order scheduling
- ▶ Mobile and stationary Inspection Service
- ▶ Instant repairs
- ▶ Spare parts service
- ▶ Modern data management

Total range:

www.pfeifer.info/mobile-services



Contacts:

Germany

pruefservice-azs@pfeifer.de
+49 (0) 800-723 7244

Austria

pruefservice@pfeifer-austria.at
+43 (0) 7224-66224-15

Switzerland

info@pfeifer-isofer.ch
+41 (0) 44-7685555

Luxembourg

info@pfeifer-sogequip.lu
+352 57 42-42

Special solutions: We make it possible

We advise you and manufacture tailor-made solutions for you.
Talk to us!

Examples:



RHINO lever hoist for heavy-duty lashing
Suitable for cargo lashing – identification according to DIN EN 12195-3 as standard



Lashing for paper rolls
Special lashing for the transport of paper rolls. The exterior roller is securely enclosed by a special version of a lashing strap and prevents the load from slipping or tipping over.



POLYTEX® VELCRO STRAPS
For the bundling and strapping of small, lightweight parts. Reusable due to the Velcro fastener.

Any questions?
We'll be glad to advise you

Germany
+ 49 (0) 8331-937-112

Austria
+ 43 (0) 7224-66224-0

Switzerland
+ 41 (0) 768 55-55

Luxembourg
+ 352-57 42 42

- ▶ Double strap guide produces maximum tensile forces
- ▶ Performance class: Heavy-duty lashing system for diagonal lashing
- ▶ Type of ratchet: Heavy-duty push-ratchet
- ▶ Lashing force: 10000 daN

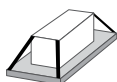
Technical data

- ▶ **Standard:** DIN EN 12195-2
- ▶ **Operating temperature:** -40 °C to +100 °C
- ▶ **Webbing width:** 75 mm
- ▶ **Webbing colour:** yellow
- ▶ **Webbing material:** Polyester
- ▶ **Identification mark:** Polytex® logo; Polytex® Flip Label

Options on request

- ▶ with individual imprint; further useful lengths

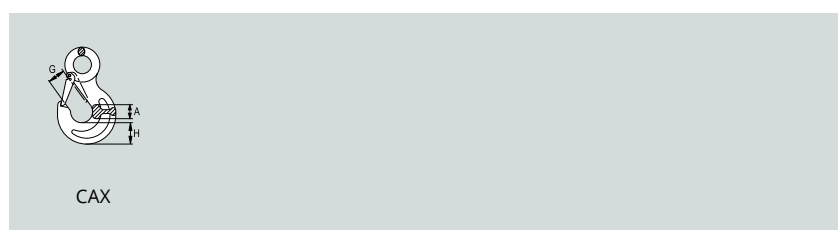
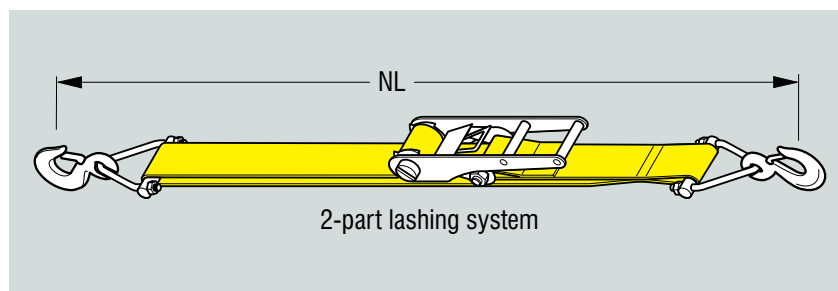
Application




Diagonal lashing

Polytex® lashing strap system RS-75 XL

Heavy-duty lashing system with push-ratchet and lashing force of 10000 daN for the highest requirements in the diagonal lashing, for example, of construction machines.



Lashing force direct LC		daN	10000
Hook type			Eye load hook
Length fixed end		m	0,5
System parts quantity			two-piece
Effective length	NL	m	4
Reference no.			473717
Effective length	NL	m	8
Reference no.			473718
End fitting			
Hook base height	H	mm	42
Hook thickness	A	mm	33
Hook opening width	G	mm	40

- ▶ **Performance class:** Heavy-duty lashing system for diagonal lashing
- ▶ **Type of ratchet:** Heavy-duty push-ratchet
- ▶ **lashing force:** 5000 daN

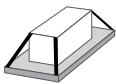
Technical data

- ▶ **Standard:** DIN EN 12195-2
- ▶ **Operating temperature:** -40 °C to +100 °C
- ▶ **Webbing width:** 75 mm
- ▶ **Webbing colour:** yellow
- ▶ **Webbing material:** Polyester
- ▶ **Identification mark:** Polytex® logo; Polytex® Flip Label

Options on request

- ▶ with individual imprint; further useful lengths

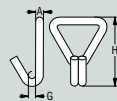
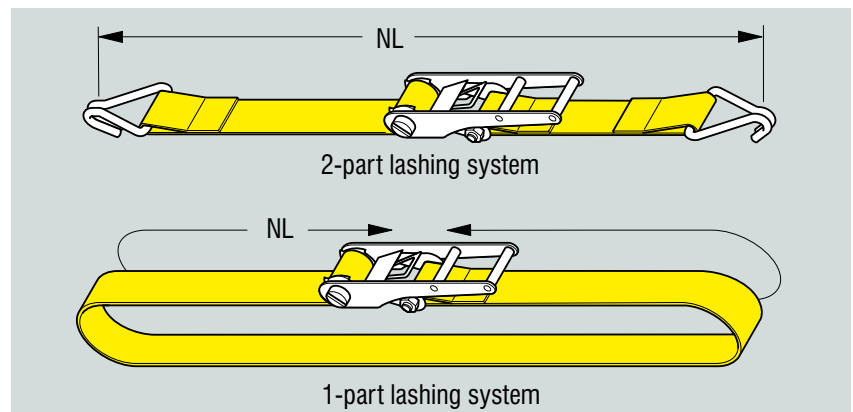
Application



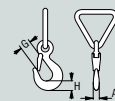
Diagonal lashing

Polytex® lashing strap system RS-75

Heavy-duty lashing system with push-ratchet and a lashing force of 5000 daN for high requirements in diagonal lashing, e.g. of construction machines.



Wire claw hook



Triangular hook

Lashing force direct LC		daN	-	5000	5000
Lashing force strapping LC		daN	10000	10000	10000
Hook type			without hook	Wire claw hook	Triangular hook
Length fixed end		m	0,5	0,5	0,5
System parts quantity			one-piece	two-piece	two-piece
Weight per first metre		kg	4,809	6,087	7,517
Effective length	NL	m	-	4	4
Reference no.			-	473722	473725
Effective length	NL	m	6	-	-
Reference no.			473719	-	-
Effective length	NL	m	8	8	8
Reference no.			473720	473723	473726
Effective length	NL	m	10	10	10
Reference no.			473721	473724	473727
End fitting					
Hook base height	H	mm	-	135	31
Hook thickness	A	mm	-	17	24
Hook opening width	G	mm	-	24	33

- ▶ High pre-tensioning force = saving of time and cost
- ▶ Performance class: High-performance all-round system
- ▶ Type of ratchet: LH-ERGO PLUS pull-down-ratchet with extra-long lever and transport lock
- ▶ lashing force: 2500 daN

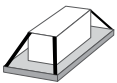
Technical data

- ▶ Ratchet pre-tensioning force: 550 daN
- ▶ Standard: DIN EN 12195-2
- ▶ Operating temperature: -40 °C to +100 °C
- ▶ Webbing width: 50 mm
- ▶ Webbing colour: orange
- ▶ Webbing material: Polyester
- ▶ Identification mark: Polytex® logo; Polytex® Flip Label

Options on request

- ▶ with individual imprint; further useful lengths; further hook types

Application



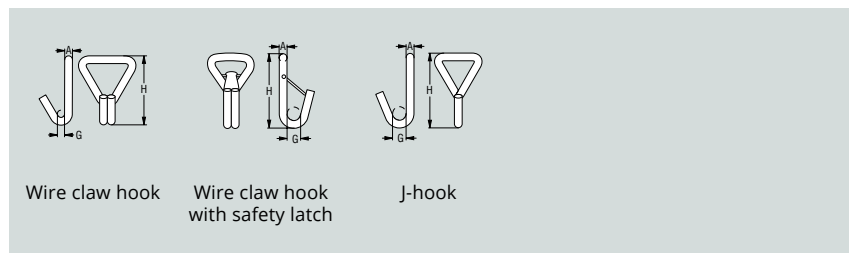
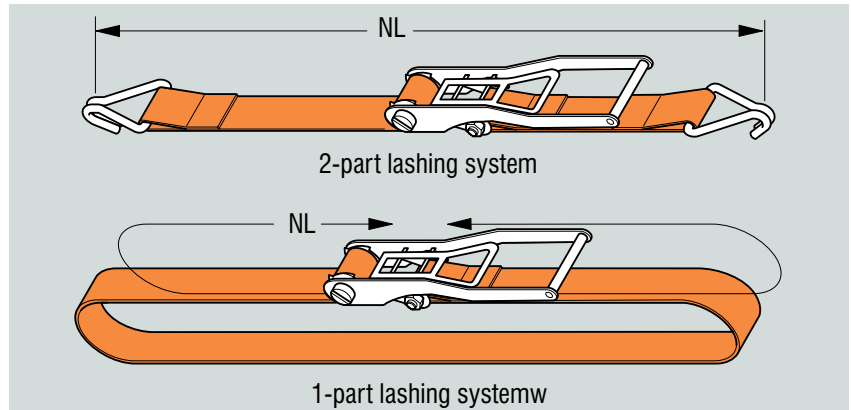
Diagonal lashing



Tie-down lashing

Polytex® lashing strap system LH-ERGO PLUS



High-performance lashing strap system with pull-ratchet for 550 daN pre-tensioning force for efficient lashing. The LH-ERGO PLUS pull-down ratchet long lever is actuated by pulling instead of pushing, which makes the pre-tensioning force easier to apply and thus protects the user's back.



Wire claw hook

Wire claw hook with safety latch

J-hook

Lashing force direct LC		daN	-	2500	2500	2500
Lashing force strapping LC		daN	5000	5000	5000	5000
Hook type			without hook	Wire claw hook	Wire claw hook with safety latch	J-hook
Length fixed end		m	0,5	0,5	0,5	0,5
System parts quantity			one-piece	two-piece	two-piece	two-piece
Weight per first metre		kg	2,604	2,833	3,179	3,607
Effective length	NL	m	-	3	3	-
Reference no.			-	473729	473734	-
Effective length	NL	m	-	4	-	-
Reference no.			-	473730	-	-
Effective length	NL	m	6	6	6	6
Reference no.			473728	473731	473735	473737
Effective length	NL	m	-	8	8	8
Reference no.			-	473732	473736	473738
Effective length	NL	m	-	10	-	-
Reference no.			-	473733	-	-
End fitting						
Hook base height	H	mm	-	74	112	130
Hook thickness	A	mm	-	12	12,4	16
Hook opening width	G	mm	-	16	25	17

- ▶ + 65 % higher pre-tensioning force compared to the standard LH-ERGO system
- ▶ High pre-tensioning force = saving of time and cost
- ▶ Performance class: Lashing strap system designed for lashing down
- ▶ Type of ratchet: LH-ERGO PLUS pull-down-ratchet with extra-long lever and transport lock
- ▶ Lashing force: 1500 daN

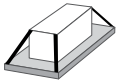
Technical data

- ▶ Ratchet pre-tensioning force: 660 daN
- ▶ Standard: DIN EN 12195-2
- ▶ Operating temperature: -40 °C to +100 °C
- ▶ Webbing width: 50 mm
- ▶ Webbing colour: red
- ▶ Webbing material: Polyester
- ▶ Identification mark: Polytex® Flip Label
- ▶ Manual force: 50 daN

Options on request

- ▶ with individual imprint; further useful lengths; further hook types; in a one-piece design

Application



Diagonal lashing

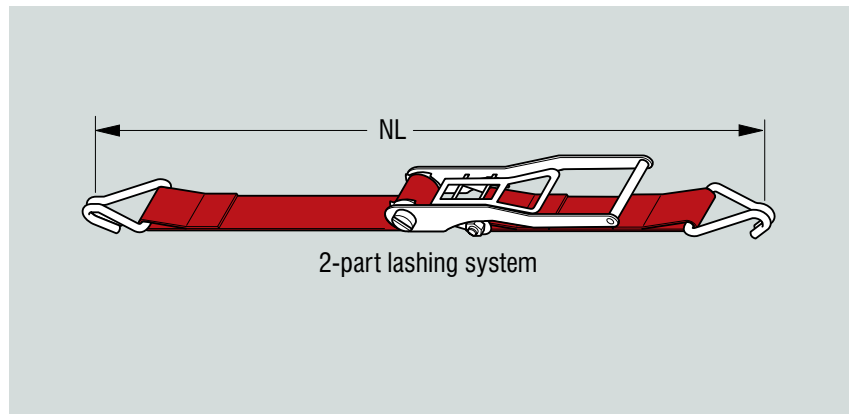


Tie-down lashing

Polytex® lashing strap system LH-ERGO NZ

Lashing strap system designed for lashing down with pull-ratchet and special lashing strap for a pre-tensioning force of 660 daN and a lashing force of 1500 daN.

The LH-ERGO PLUS pull-down ratchet long lever is actuated by pulling instead of pushing, which makes the pre-tensioning force easier to apply and thus protects the user's back.



Lashing force direct LC		daN	1500	1500
Lashing force strapping LC		daN	3000	3000
Hook type			Wire claw hook	Wire claw hook with safety latch
Length fixed end		m	0,5	0,5
System parts quantity			two-piece	two-piece
Weight per first metre		kg	2,833	3,217
Effective length	NL	m	3	-
Reference no.			473750	-
Effective length	NL	m	6	6
Reference no.			473751	473753
Effective length	NL	m	8	8
Reference no.			473752	473754
Effective length	NL	m	-	10
Reference no.			-	473755
End fitting				
Hook base height	H	mm	90	72
Hook thickness	A	mm	9,5	9
Hook opening width	G	mm	16	17

- ▶ particularly sturdy strap
- ▶ Hooks with extra-large opening widths
- ▶ High pre-tensioning force = saving of time and cost
- ▶ **Type of ratchet: LH-ERGO PLUS pull-down-ratchet with extra-long lever and transport lock**
- ▶ **lashing force: 2500 daN**

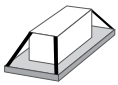
Technical data

- ▶ **Ratchet pre-tensioning force:** 500 daN
- ▶ **Standard:** DIN EN 12195-2
- ▶ **Operating temperature:** -40 °C to +100 °C
- ▶ **Webbing width:** 50 mm
- ▶ **Webbing colour:** yellow with black rim
- ▶ **Webbing material:** Polyester
- ▶ **Identification mark:** Polytex® Flip Label

Options on request

- ▶ with individual imprint; further useful lengths; further hook types

Application



Diagonal lashing

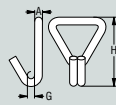
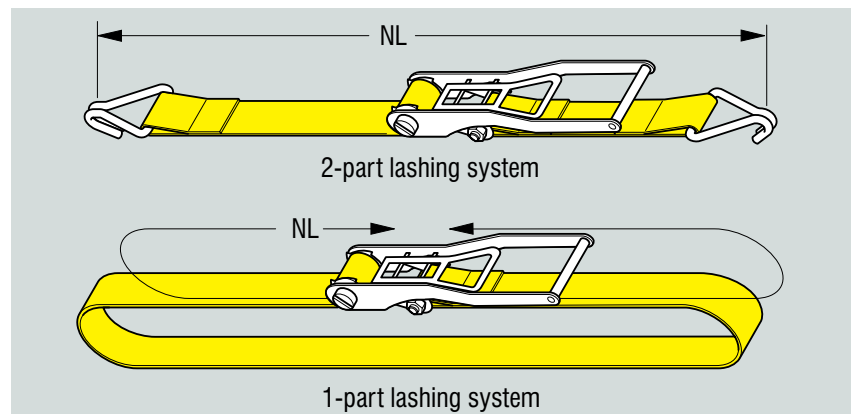


Tie-down lashing

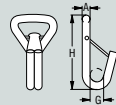
Polytex® lashing strap system LH-ERGO ROBUST

Lashing strap system made of a sturdy, densely woven strap, special impregnation and reinforced edges for high abrasion resistance and long service life – with pull-down ratchet for 500 daN pre-tensioning force.

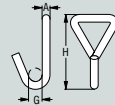
The LH-ERGO PLUS pull-down ratchet long lever is actuated by pulling instead of pushing, which makes the pre-tensioning force easier to apply and thus protects the user's back.



Wire claw hook



Wire claw hook with safety latch



J-hook

Lashing force direct LC		daN	-	2500	2500	2500
Lashing force strapping LC		daN	5000	5000	5000	5000
Hook type			without hook	Wire claw hook with extra-large opening	Wire claw hook with latch and large opening	J-hook
Length fixed end		m	0,5	0,5	0,5	0,5
System parts quantity			one-piece	two-piece	two-piece	two-piece
Weight per first metre		kg	2,603	2,833	3,179	3,607
Effective length	NL	m	-	3	3	-
Reference no.			-	473756	473760	-
Effective length	NL	m	6	6	6	6
Reference no.			485158	473757	473761	473763
Effective length	NL	m	8	8	8	8
Reference no.			485159	473758	473762	473764
Effective length	NL	m	10	10	-	-
Reference no.			485161	473759	-	-
End fitting						
Hook base height	H	mm	-	127	112	130
Hook thickness	A	mm	-	14,8	12,4	16
Hook opening width	G	mm	-	40	25	17

- ▶ + 33 % higher pre-tensioning force compared to a system with standard ratchet
- ▶ High pre-tensioning force = saving of time and cost
- ▶ Performance class: High-performance all-round system
- ▶ Type of ratchet: LH-ERGO pull-ratchet with long lever and transport lock
- ▶ lashing force: 2500 daN

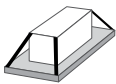
Technical data

- ▶ Ratchet pre-tensioning force: 400 daN
- ▶ Standard: DIN EN 12195-2
- ▶ Operating temperature: -40 °C to +100 °C
- ▶ Webbing width: 50 mm
- ▶ Webbing colour: orange
- ▶ Webbing material: Polyester
- ▶ Identification mark: Polytex® logo; Polytex® Flip Label

Options on request

- ▶ with individual imprint; further useful lengths; further hook types

Application



Diagonal lashing

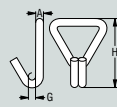
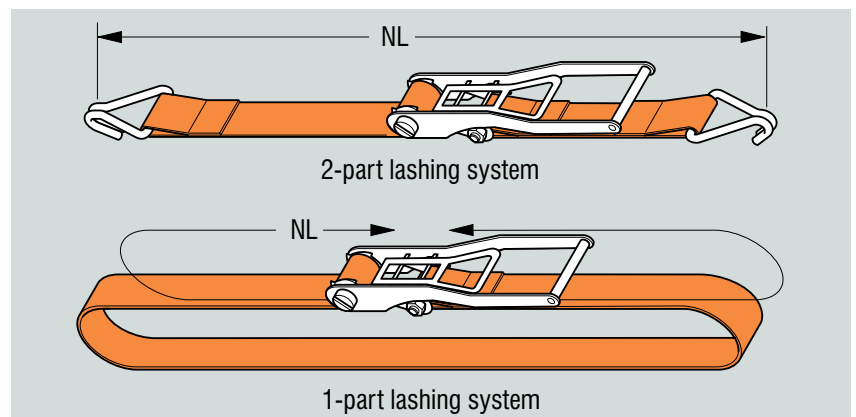


Tie-down lashing

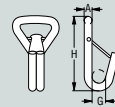
Polytex® lashing strap system LH-ERGO

High-performance lashing strap system with pull-ratchet and transport lock for 400 daN pre-tensioning force and 2500 daN lashing force.

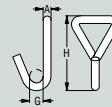
The LH-ERGO PLUS pull-down ratchet with a long lever is actuated by pulling instead of pushing, which makes the pre-tensioning force easier to apply and thus protects the user's back.





Wire claw hook



Wire claw hook with safety latch



J-hook

Lashing force direct LC		daN	-	2500	2500	2500
Lashing force strapping LC		daN	5000	5000	5000	5000
Hook type			without hook	Wire claw hook	Wire claw hook with safety latch	J-hook
Length fixed end		m	0,5	0,5	0,5	0,5
System parts quantity			one-piece	two-piece	two-piece	two-piece
Weight per first metre		kg	1,999	2,869	3,087	3,643
Effective length	NL	m	3	-	-	-
Reference no.			473739	-	-	-
Effective length	NL	m	-	-	4	-
Reference no.			-	-	473747	-
Effective length	NL	m	-	5	-	-
Reference no.			-	473743	-	-
Effective length	NL	m	6	6	-	-
Reference no.			473740	473744	-	-
Effective length	NL	m	8	8	8	8
Reference no.			473741	473745	473748	473749
Effective length	NL	m	10	10	-	-
Reference no.			473742	473746	-	-
End fitting						
Hook base height	H	mm	-	74	112	130
Hook thickness	A	mm	-	12	12,4	16
Hook opening width	G	mm	-	16	25	17

- ▶ +33 % higher pre-tensioning force compared to a system with standard ratchet
- ▶ High pre-tensioning force = saving of time and cost
- ▶ Step-by-step release of the tension during unloading
- ▶ Type of ratchet: LH-STEP push-ratchet with step-by-step tension release and transport lock
- ▶ lashing force: 2500 daN

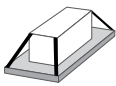
Technical data

- ▶ Ratchet pre-tensioning force: 400 daN
- ▶ Standard: DIN EN 12195-2
- ▶ Operating temperature: -40 °C to +100 °C
- ▶ Webbing width: 50 mm
- ▶ Webbing colour: orange
- ▶ Webbing material: Polyester
- ▶ Identification mark: Polytex® logo; Polytex® Flip Label

Options on request

- ▶ with individual imprint; further useful lengths; further hook types

Application



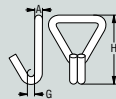
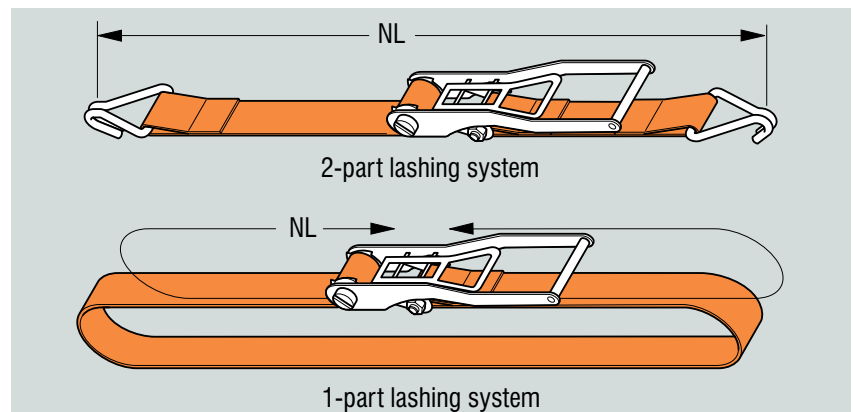
Diagonal lashing



Tie-down lashing

Polytex® lashing strap system LH-50 STEP

High-performance lashing strap system with push-ratchet. For additional safety when unloading unstable loads at risk of tipping over or slipping, the tension can be released step by step.



Wire claw hook

Lashing force direct LC		daN	-	2500
Lashing force strapping LC		daN	5000	5000
Hook type			without hook	Wire claw hook
Length fixed end		m	0,5	0,5
System parts quantity			one-piece	two-piece
Weight per first metre		kg	2,209	2,823
Effective length	NL	m	8	8
Reference no.			473765	473767
Effective length	NL	m	10	10
Reference no.			473766	473768
End fitting				
Hook base height	H	mm	-	74
Hook thickness	A	mm	-	12
Hook opening width	G	mm	-	16

- ▶ **Performance class: Standard system**
- ▶ **Type of ratchet: Quality push-ratchet with transport lock**
- ▶ **lashnig force: 2500 daN**

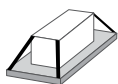
Technical data

- ▶ **Ratchet pre-tensioning force:** 300 daN
- ▶ **Standard:** DIN EN 12195-2
- ▶ **Operating temperature:** -40 °C to +100 °C
- ▶ **Webbing width:** 50 mm
- ▶ **Webbing colour:** orange
- ▶ **Webbing material:** Polyester
- ▶ **Identification mark:** Polytex® logo; Polytex® Flip Label

Options on request

- ▶ with individual imprint; further useful lengths; further hook types

Application



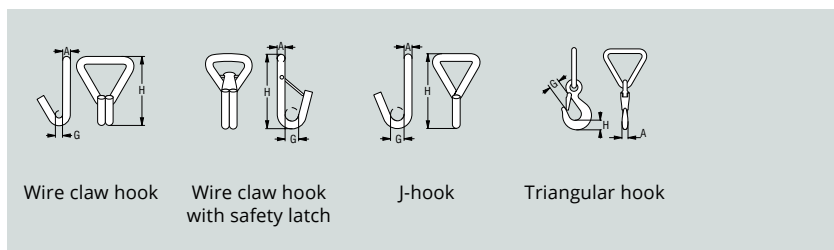
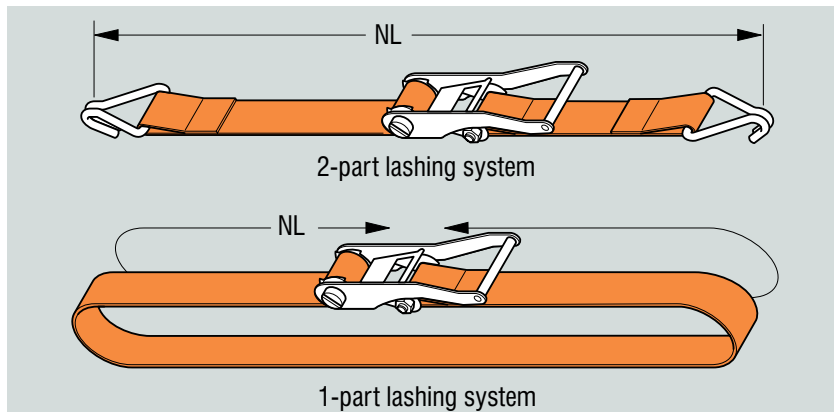
Diagonal lashing





Tie-down lashing

Polytex® lashing strap system RS-50

Lashing strap system for solving everyday changing standard transport tasks.



Lashing force direct LC		daN	-	2500	2500	2500	2500
Lashing force strapping LC		daN	5000	5000	5000	5000	5000
Hook type			without hook	Wire claw hook	Wire claw hook with safety latch	J-hook	Triangular hook
Length fixed end		m	0,5	0,5	0,5	0,5	0,5
System parts quantity			one-piece	two-piece	two-piece	two-piece	two-piece
Weight per first metre		kg	1,379	1,862	2,725	2,38	2,917
Effective length	NL	m	-	2	-	-	-
Reference no.			-	473775	-	-	-
Effective length	NL	m	3	3	-	3	-
Reference no.			473769	473776	-	473784	-
Effective length	NL	m	4	4	-	4	-
Reference no.			473770	473777	-	473785	-
Effective length	NL	m	5	5	-	-	-
Reference no.			473771	473778	-	-	-
Effective length	NL	m	6	6	6	-	6
Reference no.			473772	473779	473782	-	482814
Effective length	NL	m	8	8	8	8	8
Reference no.			473773	473780	473783	473786	482815
Effective length	NL	m	10	10	-	10	-
Reference no.			473774	473781	-	473787	-
End fitting							
Hook base height	H	mm	-	74	112	130	25
Hook thickness	A	mm	-	12	12,4	16	16
Hook opening width	G	mm	-	16	25	17	21

- ▶ **Type of ratchet:** Compact push-ratchet with transport lock
- ▶ **lashing force:** 1000 daN

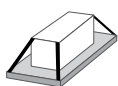
Technical data

- ▶ **Ratchet pre-tensioning force:** 260 daN
- ▶ **Standard:** DIN EN 12195-2
- ▶ **Operating temperature:** -40 °C to +100 °C
- ▶ **Webbing width:** 35 mm
- ▶ **Webbing colour:** green
- ▶ **Webbing material:** Polyester
- ▶ **Identification mark:** Polytex® logo; Polytex® Flip Label

Options on request

- ▶ with individual imprint; further useful lengths; further hook types

Application



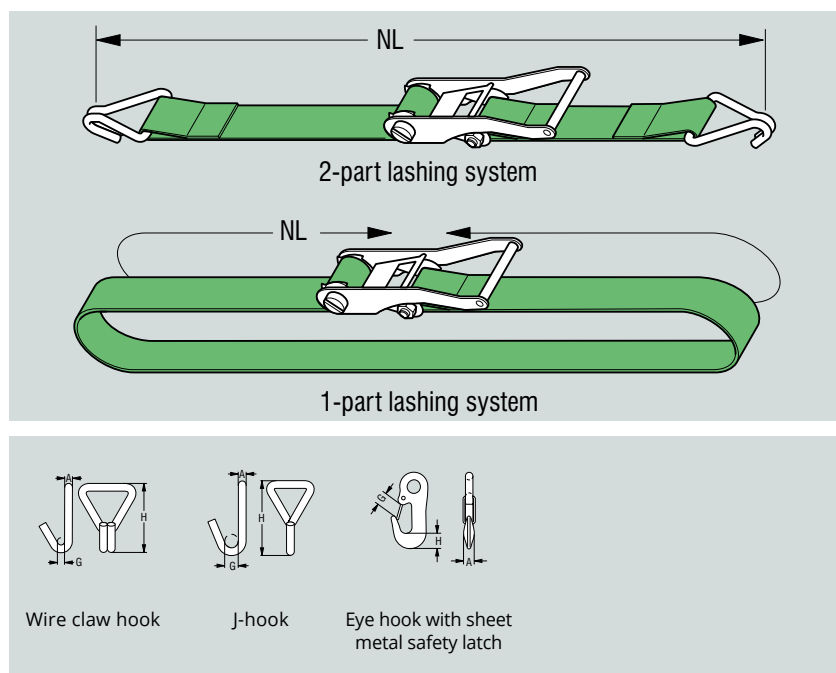
Diagonal lashing



Tie-down lashing

Polytex® lashing strap system RS-35

Lashing strap system for small and medium loads in all areas from manual trades to industry, on trailers, in vans or on trucks.



Lashing force direct LC		daN	-	1000	1000	1000
Lashing force strapping LC		daN	2000	2000	2000	2000
Hook type			without hook	Wire claw hook	J-hook	Eye hook
Length fixed end		m	0,3	0,3	0,3	0,3
System parts quantity			one-piece	two-piece	two-piece	two-piece
Weight per first metre		kg	0,698	1,179	1,189	1,006
Effective length	NL	m	2	-	-	2
Reference no.			473788	-	-	473800
Effective length	NL	m	-	3	3	-
Reference no.			-	473792	473797	-
Effective length	NL	m	4	4	4	4
Reference no.			473789	473793	473798	473801
Effective length	NL	m	-	5	-	-
Reference no.			-	473794	-	-
Effective length	NL	m	6	6	6	6
Reference no.			473790	473795	473799	473802
Effective length	NL	m	8	8	-	-
Reference no.			473791	473796	-	-
End fitting						
Hook base height	H	mm	-	65	90	16
Hook thickness	A	mm	-	10	12	14
Hook opening width	G	mm	-	15	16	16

- ▶ Wide strap for better pressure distribution with sensitive goods
- ▶ Type of ratchet: Clamping lock
- ▶ Lashing force: 2000 daN

Technical data

- ▶ **Standard:** DIN EN 12195-2
- ▶ **Operating temperature:** -40 °C to +100 °C
- ▶ **Webbing width:** 35 mm
- ▶ **Webbing colour:** green
- ▶ **Webbing material:** Polyester
- ▶ **Identification mark:** Polytex® logo; Label

Options on request

- ▶ with individual imprint; further useful lengths

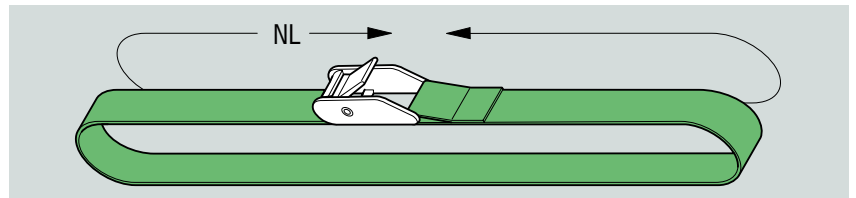
Application




Strapping

Polytex® lashing strap system KS-35

One-piece lashing strap with clamping lock with 800 daN lashing force for light and moderate applications – ideal for the simple and fast bundling and fixing of goods of any kind for transport or storage.



Lashing force strapping LC		daN	2000
Hook type			without hook
System parts quantity			one-piece
Weight per first metre		kg	0,253
Effective length	NL	m	2
Reference no.			473803
Effective length	NL	m	4
Reference no.			473804
Effective length	NL	m	6
Reference no.			473805
Effective length	NL	m	8
Reference no.			473806

- ▶ **Performance class: Multi-purpose system**
- ▶ **Type of ratchet: Standard push-ratchet**
- ▶ **lashnig force: 500 daN**

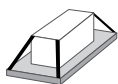
Technical data

- ▶ **Ratchet pre-tensioning force:** 200 daN
- ▶ **Standard:** DIN EN 12195-2
- ▶ **Operating temperature:** -40 °C to +100 °C
- ▶ **Webbing width:** 25 mm
- ▶ **Webbing colour:** red
- ▶ **Webbing material:** Polyester
- ▶ **Identification mark:** Polytex® logo; Polytex® Flip Label

Options on request

- ▶ with individual imprint; further useful lengths; further hook types

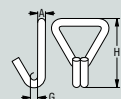
Application



Diagonal lashing



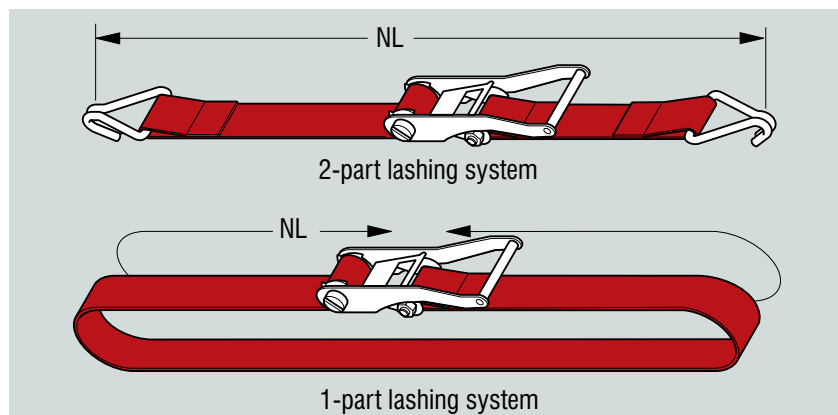
Tie-down lashing



Wire claw hook

Polytex® lashing strap system RS-25 MULTI

Multi-purpose system with push-ratchet for lighter loads such as in-plant transport securing or pallet strapping.



Lashing force direct LC		daN	-	500
Lashing force strapping LC		daN	1000	1000
Hook type			without hook	Wire claw hook
Length fixed end		m	0,5	0,5
System parts quantity			one-piece	two-piece
Weight per first metre		kg	0,513	0,605
Effective length	NL	m	4	4
Reference no.			473807	473809
Effective length	NL	m	6	6
Reference no.			473808	473810
End fitting				
Hook base height	H	mm	-	50
Hook thickness	A	mm	-	6,5
Hook opening width	G	mm	-	14

- ▶ Performance class: Multi-purpose system
- ▶ Type of ratchet: Compact standard push-ratchet
- ▶ Lashing force: 250 daN

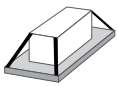
Technical data

- ▶ Ratchet pre-tensioning force: 50 daN
- ▶ Standard: DIN EN 12195-2
- ▶ Operating temperature: -40 °C to +100 °C
- ▶ Webbing width: 25 mm
- ▶ Webbing colour: pink
- ▶ Webbing material: Polyester
- ▶ Identification mark: Polytex® logo

Options on request

- ▶ with individual imprint; further useful lengths; further hook types

Application



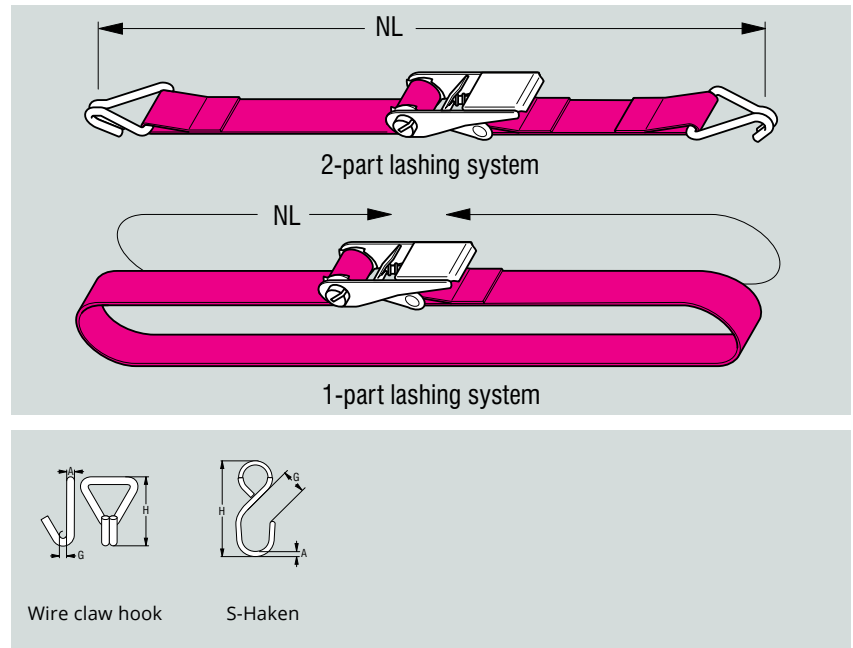
Diagonal lashing



Tie-down lashing

Polytex® lashing strap system RS-25 MINI

Multipurpose system with push-ratchet for lighter transported goods.



Lashing force direct LC		daN	-	250	250
Lashing force strapping LC		daN	500	500	500
Hook type			without hook	Wire claw hook	PVC-coated S-hook
Length fixed end		m	0,5	0,5	0,5
System parts quantity			one-piece	two-piece	two-piece
Weight per first metre		kg	0,331	0,421	0,481
Effective length	NL	m	4	4	4
Reference no.			473811	473815	473817
Effective length	NL	m	5	-	-
Reference no.			473812	-	-
Effective length	NL	m	6	6	6
Reference no.			473813	473816	473818
Effective length	NL	m	8	-	-
Reference no.			473814	-	-
End fitting					
Hook base height	H	mm	-	50	106
Hook thickness	A	mm	-	6,5	9
Hook opening width	G	mm	-	14	25

- ▶ **Type of ratchet:** Clamping lock
- ▶ **lashnig force:** 250 daN

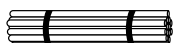
Technical data

- ▶ **Standard:** DIN EN 12195-2
- ▶ **Operating temperature:** -40 °C to +100 °C
- ▶ **Webbing width:** 25 mm
- ▶ **Webbing colour:** pink
- ▶ **Webbing material:** Polyester
- ▶ **Identification mark:** Polytex® logo; Label

Options on request

- ▶ with individual imprint; further useful lengths

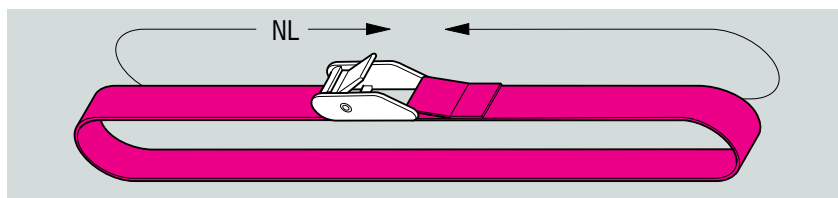
Application




Strapping

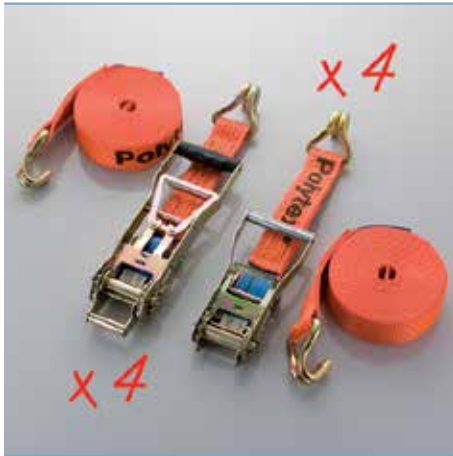
Polytex® lashing strap system KS-25

One-piece lashing strap system with clamping lock for easy handling of simple applications or for packing – ideal for the simple and fast bundling and fixing of goods of any kind for transport or storage.



Lashing force strapping LC		daN	250
Hook type			without hook
System parts quantity			one-piece
Weight per first metre		kg	0,153
Effective length	NL	m	2
Reference no.			473819
Effective length	NL	m	4
Reference no.			473820
Effective length	NL	m	5
Reference no.			473821
Effective length	NL	m	6
Reference no.			473822

► Inexpensive due to large manufacturing quantities

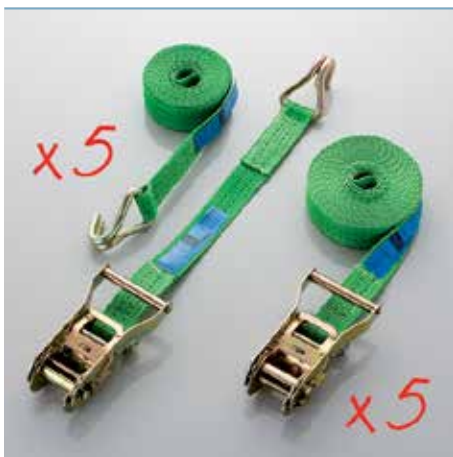


Polytex® set lashing strap system HGV

Set with 4 Polytex® RS-50 lashing strap systems and 4 Polytex® LH ERGO lashing strap system with wire claw hooks.

Effective length	NL	m	8
Weight approx.		kg	14,512
Reference no.	201040		
End fitting			
Type			Wire claw hook
Hook base height	H	mm	74
Hook thickness	A	mm	12
Hook opening width	G	mm	16

► Inexpensive due to large manufacturing quantities



Polytex® set lashing strap system Transporter

Set with 5 Polytex® RS-35 one-piece lashing strap systems and 5 Polytex® RS-35 lashing strap systems with wire claw hooks. Ideal for vans with trailers.

Effective length	NL	m	4
Weight approx.		kg	8,545
Reference no.	201041		
End fitting			
Type			Wire claw hook
Hook base height	H	mm	65
Hook thickness	A	mm	10
Hook opening width	G	mm	15

► Simple installation



- Simple installation
- Special fitting for lashing rails
- lashnig force: 800 daN

Technical data

- **Standard:** DIN EN 12195-2
- **Webbing width:** 35 mm
- **Webbing colour:** green
- **Webbing material:** Polyester
- **Identification mark:** Polytex® logo

Options on request

- Further lengths

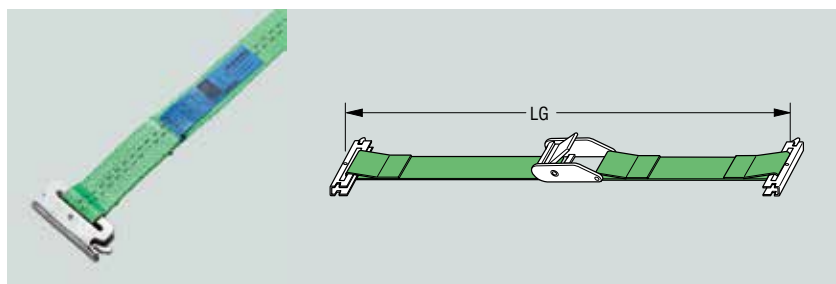
Lashing rail

Universal lashing rails for horizontal mounting, for the reliable securing of load units in closed vehicles.

Overall length	L	mm	3050
Overall width	B	mm	132
Weight approx.		kg	6
Reference no.	146790		

Polytex® lashing strap system KS-35 RAIL

Two-part lashing system with clamping lock and special fitting for lashing rails for the reliable securing of load units in closed vehicles.



Lashing force direct	LC	daN	800
Effective length	NL	m	2
Weight approx.		kg	0,396
Reference no.	146863		

- ▶ Simple installation
- ▶ Special fitting for lashing rails
- ▶ Lashing force: 1600 daN

Technical data

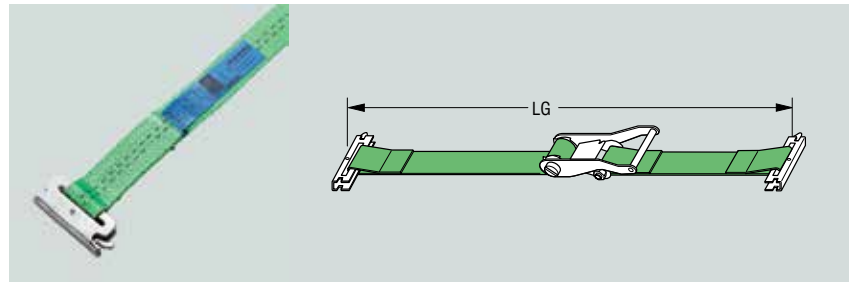
- ▶ **Standard:** DIN EN 12195-2
- ▶ **Webbing width:** 35 mm
- ▶ **Webbing colour:** green
- ▶ **Webbing material:** Polyester
- ▶ **Identification mark:** Polytex® logo; Polytex® Flip Label

Options on request

- ▶ Further lengths

Polytex® lashing strap system RS-35 RAIL

Two-part lashing system with ratchet and special fitting for lashing rails for the reliable securing of loading units in closed vehicles.



Lashing force direct	LC	daN	1600
Effective length	NL	m	2
Weight approx.		kg	0,84
Reference no.			146864

- ▶ Simple installation
- ▶ Special fitting for lashing rails
- ▶ Lashing force: 1000 daN

Technical data

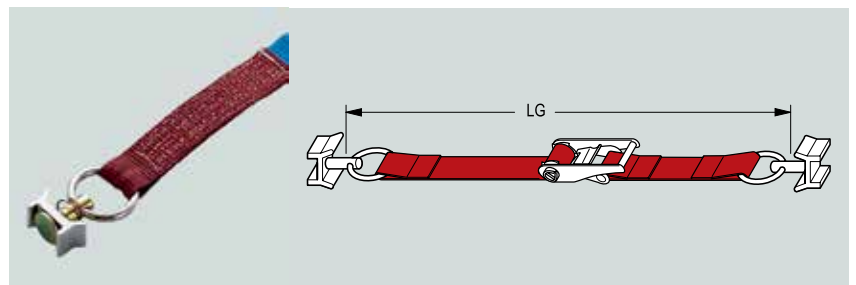
- ▶ **Standard:** DIN EN 12195-2
- ▶ **Webbing width:** 25 mm
- ▶ **Webbing colour:** red
- ▶ **Webbing material:** Polyester
- ▶ **Identification mark:** Polytex® logo; Polytex® Flip Label

Options on request

- ▶ Further lengths

Polytex® lashing strap system RS-25 AIRLINE

Two-part lashing system with ratchet and special fitting for airline lashing rail systems for the reliable securing of load units in closed vehicles.



Lashing force direct	LC	daN	1000
Effective length	NL	m	4
Weight approx.		kg	0,524
Reference no.			162625

New

- ▶ 8x lighter than steel
- ▶ Waterproof (no absorbance of water)
- ▶ lashnig force: 10000 daN

Technical data

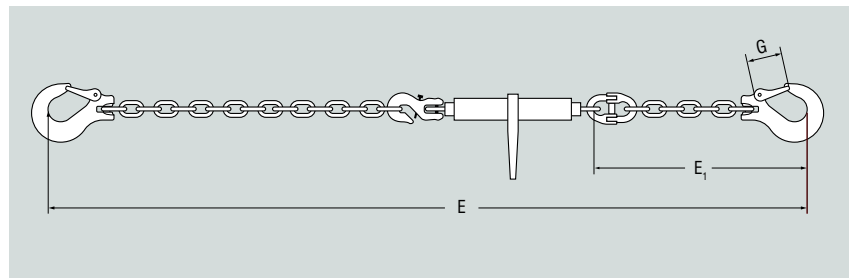
- ▶ **Operating temperature:** -60 °C to +70 °C
- ▶ **Material:** Dyneema®
- ▶ **Material layers:** eight-ply (in Möbius loop)
- ▶ **Quality grade:** 10

Options on request

- ▶ further useful lengths (from 3 m in 0.1 m steps)

Fibre Tech textile lashing chain system one-piece

Two-part lashing chain system made of extra light textile Dyneema® fibres, which optimally protects the load against damage. The components are specially approved for textile chains.



Lashing force direct	LC	daN	10000
Suspension point distance	E_1	mm	735
Distance suspension points min	E_{min}	mm	2243
Distance suspension points max	E_{max}	mm	2509
Hook opening width	G	mm	37
Tensioning lever length	LH	mm	387
Effective length	NL	m	3
Weight approx.		kg	13,724
Reference no.			494375

- ▶ 8x lighter than steel
- ▶ Waterproof (no absorbance of water)
- ▶ lashing force: 10000 daN

Technical data

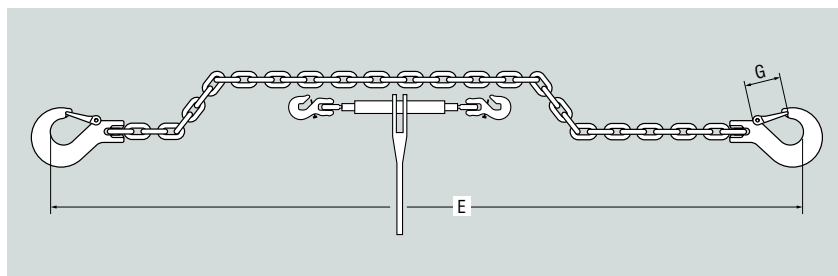
- ▶ **Operating temperature:** -60 °C to +70 °C
- ▶ **Material:** Dyneema®
- ▶ **Material layers:** eight-ply (in Möbius loop)
- ▶ **Quality grade:** 10

Options on request

- ▶ further useful lengths (from 3 m in 0.1 m steps)

Fibre Tech textile lashing chain system two-piece

Two-part lashing chain system made of extra light textile Dyneema® fibres, which optimally protects the load against damage. The components are specially approved for textile chains.



Lashing force direct	LC	daN	10000
Distance suspension points min	E_{min}	mm	1950
Hook opening width	G	mm	37
Tensioning lever length	LH	mm	387
Effective length	NL	m	3
Weight approx.		kg	15,218
Reference no.	494374		

New

New

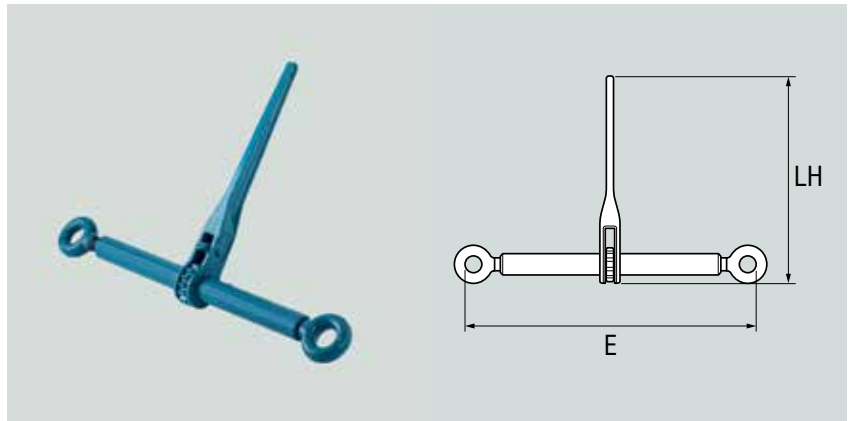
▶ lashing force: 10000 daN

Technical data▶ **Standard:** DIN EN 12195-3▶ **Quality grade:** 10

Fibre Tech ratchet load tensioner

Ratchet load tensioner in quality grade 10.

With lashing badge and test tag.



Lashing force direct	LC	daN	10000
Distance suspension points min	E_{min}	mm	564
Distance suspension points max	E_{max}	mm	864
Tensioning lever length	LH	mm	387
Weight approx.		kg	5,17
Reference no.	407827		

► lashing force: 10000 daN

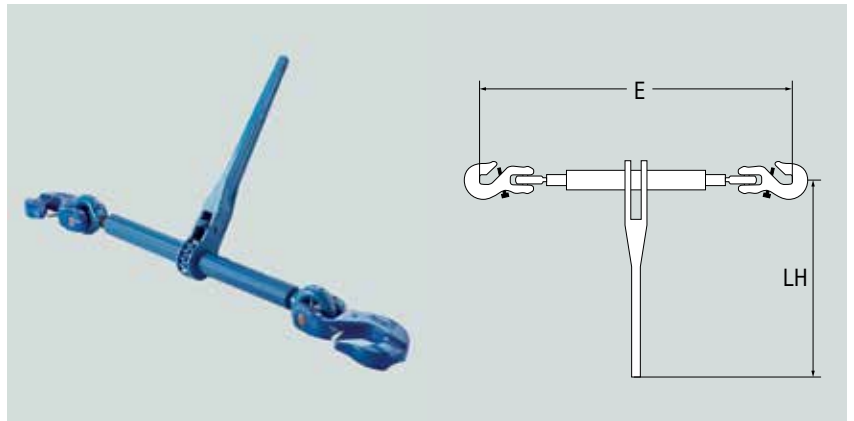
Technical data

- **Standard:** DIN EN 12195-3
- **Quality grade:** 10

Fibre Tech ratchet load tensioner with grab hook

Ratchet load tensioner in quality grade 10 with grab hook.
 With lashing badge and test tag.

New



Lashing force direct	LC	daN	10000
Distance suspension points min	E_{min}	mm	768
Distance suspension points max	E_{max}	mm	1068
Tensioning lever length	LH	mm	387
Weight approx.		kg	9,348
Reference no.			409311

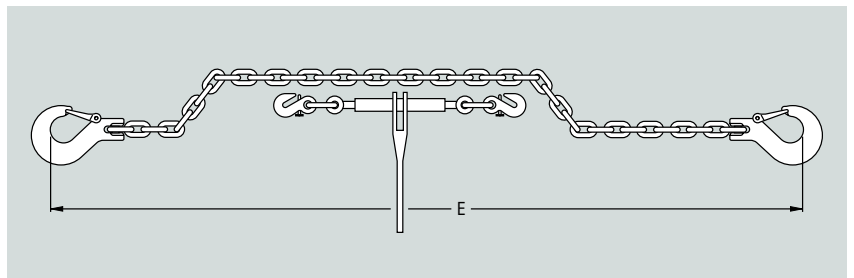
- ▶ 50 % higher lashing force compared with the quality grade 80
- ▶ Corrosion-resistant
- ▶ Variable lashing lengths
- ▶ Lashing force: 4700 daN to 16000 daN

Technical data

- ▶ **Standard:** DIN EN 12195-3
- ▶ **Operating temperature:** -60 °C to +200 °C; reduced working load limit outside this range
- ▶ **Quality grade:** 12
- ▶ **Chain surface:** cathodic dip-paint coating
- ▶ **Chain color:** black
- ▶ **Structural element surface:** powder-coated
- ▶ **Structural element colour:** blue

HIT-PRO lashing chain system: two-piece

Two-part lashing chain system, quality grade 12, with a ratchet load tensioner for shortening, which can be positioned at any point of the chain.



Lashing force direct	LC	daN	4700	6000	10000	16000
Pre-tensioning force	S_{TF}	daN	1900	1900	3000	2500
Nominal size of chain		mm	7	8	10	13
Distance suspension points min	E_{min}	mm	3000	3000	3000	3000
Distance suspension points max	E_{max}	mm	3155	3155	3155	3297
Hook opening width	G	mm	36	36	41	49
Weight approx.		kg	10,184	11,308	17,606	36,22
Effective length	NL	m	3	3	3	3
Reference no.			494370	494371	494372	494373
Component tensioner						
Type			Tensioner with hook			
Reference no.			234034	234034	234035	234036

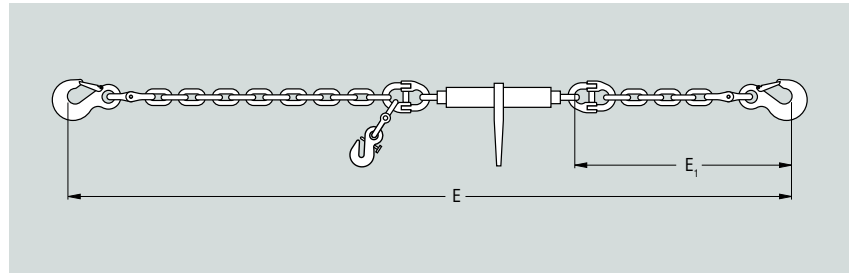
- ▶ 50 % higher lashing force compared with the quality grade 80
- ▶ Corrosion-resistant
- ▶ Variable lashing lengths
- ▶ Lashing force: 4700 daN to 16000 daN

Technical data

- ▶ **Standard:** DIN EN 12195-3
- ▶ **Operating temperature:** -60 °C to +200 °C; reduced working load limit outside this range
- ▶ **Quality grade:** 12
- ▶ **Chain surface:** cathodic dip-paint coating
- ▶ **Chain color:** black
- ▶ **Structural element surface:** powder-coated
- ▶ **Structural element colour:** blue

HIT-PRO lashing chain system: one-piece

Lashing chain system, quality grade 12 with built-in ratchet load tensioner, PSWP chain shortener and HSWP chain hook.



Lashing force direct	LC	daN	4700	4700	6000	6000	10000	10000	16000	16000
Pre-tensioning force	S_{TF}	daN	1900	1900	1900	1900	3000	3000	2500	2500
Nominal size of chain		mm	7	7	8	8	10	10	13	13
Suspension point distance	E_1	mm	1000	310	1000	330	1000	410	1000	520
Distance suspension points min	E_{min}	mm	3000	3000	3000	3000	3000	3000	3000	3000
Distance suspension points max	E_{max}	mm	3155	3155	3155	3155	3155	3155	3297	3297
Hook opening width	G	mm	36	36	36	36	41	41	49	49
Weight approx.		kg	9,675	8,957	10,95	10,089	17,107	15,593	32,794	26,629
Effective length	NL	m	3	3	3	3	3	3	3	3
Reference no.			494362	494363	494364	494365	494366	494367	494368	494369

Component tensioner

Type	Tensioner with eyelets									
Reference no.			229084	229084	229084	229084	229085	229085	229086	229086

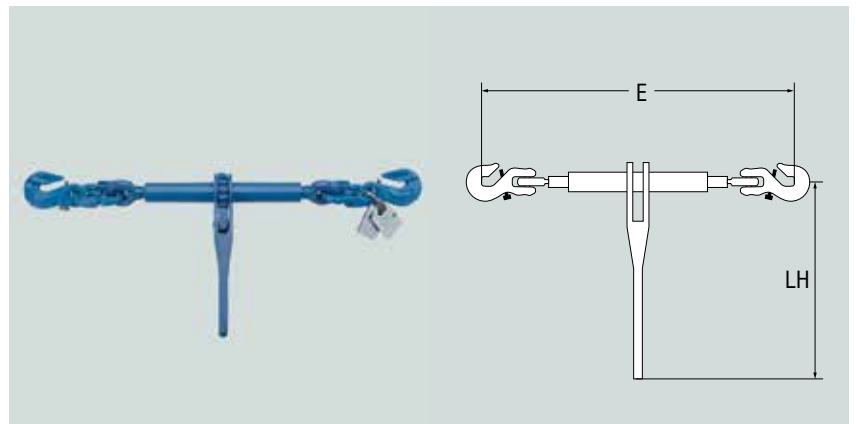
► lashing force: 6000 daN to 16000 daN

Technical data

- **Standard:** DIN EN 12195-3
- **Quality grade:** 12
- **Structural element surface:** powder-coated
- **Structural element colour:** blue

HIT PRO ratchet load tensioner with grab hook

Ratchet load tensioner with grab hook for shortening lashing chain systems in quality grade 12.
With lashing badge and test tag.



Lashing force direct	LC	daN	6000	10000	16000
for nominal size of chain		mm	8	10	13
Distance suspension points min	E_{\min}	mm	540	674	981
Distance suspension points max	E_{\max}	mm	696	829	1278
Tensioning lever length	LH	mm	237	355	359
Weight approx.		kg	4,9	6,9	15,7
Reference no.			234034	234035	234036

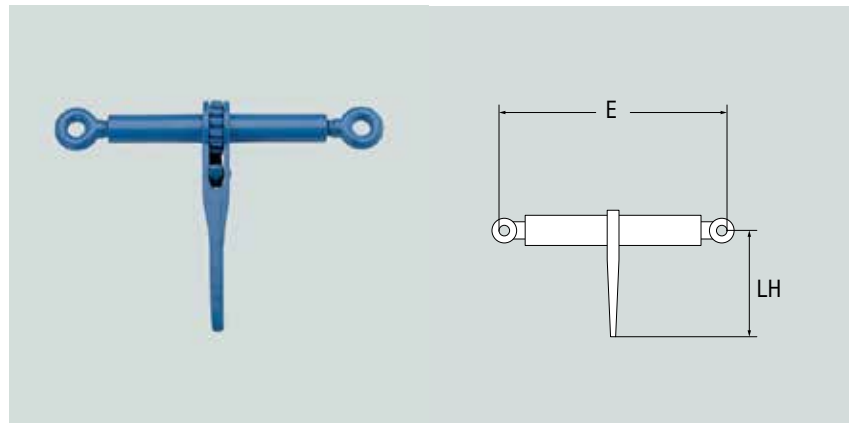
► lashing force: 6000 daN to 16000 daN

Technical data

- **Standard:** DIN EN 12195-3
- **Quality grade:** 12
- **Structural element surface:** powder-coated
- **Structural element colour:** blue

HIT PRO ratchet load tensioner

Ratchet load tensioner for lashing chain systems in quality grade 12.



Lashing force direct	LC	daN	6000	10000	16000
for nominal size of chain		mm	8	10	13
Distance suspension points min	E _{min}	mm	340	355	570
Distance suspension points max	E _{max}	mm	505	515	860
Tensioning lever length	LH	mm	237	355	359
Weight approx.		kg	3,2	3,8	9,9
Reference no.			229084	229085	229086

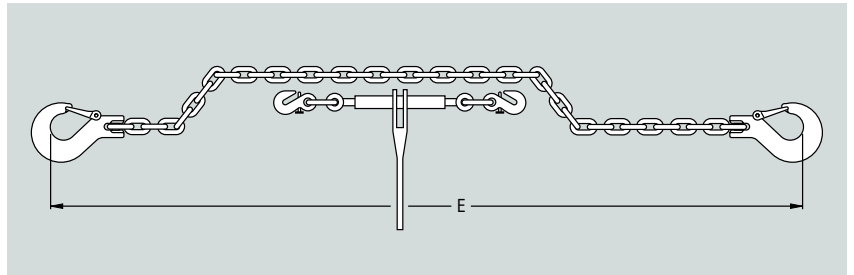
- ▶ 25 % higher permissible lashing force in comparison with quality grade 8
- ▶ Corrosion-resistant
- ▶ Variable lashing lengths
- ▶ Lashing force: 5000 daN to 13400 daN

Technical data

- ▶ **Standard:** DIN EN 12195-3
- ▶ **Operating temperature:** -40 °C to +200 °C; reduced working load limit outside this range
- ▶ **Quality grade:** 10
- ▶ **Chain surface:** cathodic dip-paint coating
- ▶ **Chain color:** black
- ▶ **Structural element surface:** powder-coated
- ▶ **Structural element colour:** orange

HIT lashing chain system two-piece

Two-part lashing chain system, quality grade 10, with a ratchet load tensioner for shortening, which can be positioned at any point of the chain.



Lashing force direct	LC	daN	5000	8000	13400
Pre-tensioning force	S_{TF}	daN	1900	3000	2500
Nominal size of chain		mm	8	10	13
Distance suspension points min	E_{min}	mm	3000	3000	3000
Distance suspension points max	E_{max}	mm	3155	3155	3297
Hook opening width	G	mm	27	30	38
Weight approx.		kg	10,221	15,642	30,231
Effective length	NL	m	3	3	3
Reference no.			494359	494360	494361

Component tensioner

Type	Tensioner with hook		
Reference no.	241887	241888	241889

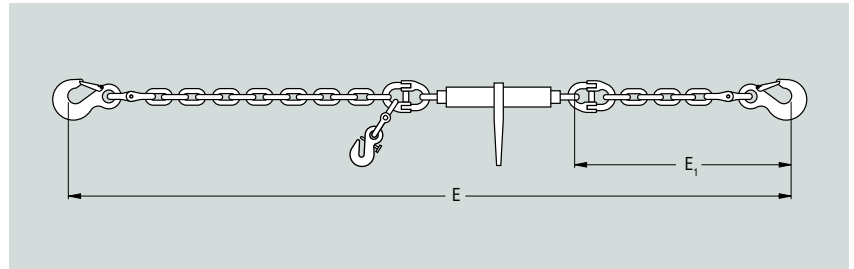
- ▶ 25 % higher permissible lashing force in comparison with quality grade 8
- ▶ Variable lashing lengths
- ▶ lashing force: 5000 daN to 20000 daN

Technical data

- ▶ **Standard:** DIN EN 12195-3
- ▶ **Operating temperature:** -40 °C to +200 °C; reduced working load limit outside this range
- ▶ **Quality grade:** 10
- ▶ **Chain surface:** cathodic dip-paint coating
- ▶ **Chain color:** black
- ▶ **Structural element surface:** powder-coated
- ▶ **Structural element colour:** orange

HIT lashing chain system one-piece

Lashing chain system in quality grade 10 with built-in ratchet load tensioner, PSW chain shortener and chain hook.



Lashing force direct	LC	daN	5000	5000	8000	8000	13400	13400	20000	20000
Pre-tensioning force	S_{TF}	daN	1900	1900	3000	3000	2500	2500	3000	3000
Nominal size of chain		mm	8	8	10	10	13	13	16	16
Suspension point distance	E_1	mm	1000	280	1000	330	1000	420	1000	500
Distance suspension points min	E_{min}	mm	3000	3000	3000	3000	3000	3000	3000	3000
Distance suspension points max	E_{max}	mm	3155	3155	3155	3155	3297	3297	3280	3280
Hook opening width	G	mm	27	27	30	30	38	38	46	46
Weight approx.		kg	9,874	9,121	14,914	13,584	29,281	26,836	43,288	39,972
Effective length	NL	m	3	3	3	3	3	3	3	3
Reference no.			494351	494352	494353	494354	494355	494356	494357	494358

Component tensioner

Type	Tensioner with eyelets									
Reference no.			236328	236328	236329	236329	236330	236330	215633	215633

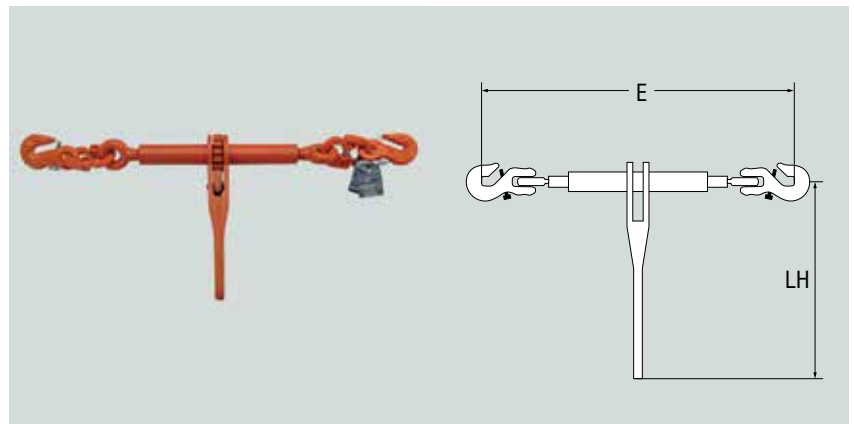
► lashing force: 5000 daN to 13400 daN

Technical data

- **Standard:** DIN EN 12195-3
- **Quality grade:** 10
- **Structural element surface:** powder-coated
- **Structural element colour:** orange

HIT ratchet load tensioner with grab hook

Ratchet load tensioner with grab hook for shortening lashing chain systems in quality grade 10.
With lashing badge and test tag.



Lashing force direct	LC	daN	5000	8000	13400
for nominal size of chain		mm	8	10	13
Distance suspension points min	E_{\min}	mm	610	678	973
Distance suspension points max	E_{\max}	mm	765	833	1270
Tensioning lever length	LH	mm	237	355	359
Weight approx.		kg	4,7	6,5	15,2
Reference no.			241887	241888	241889

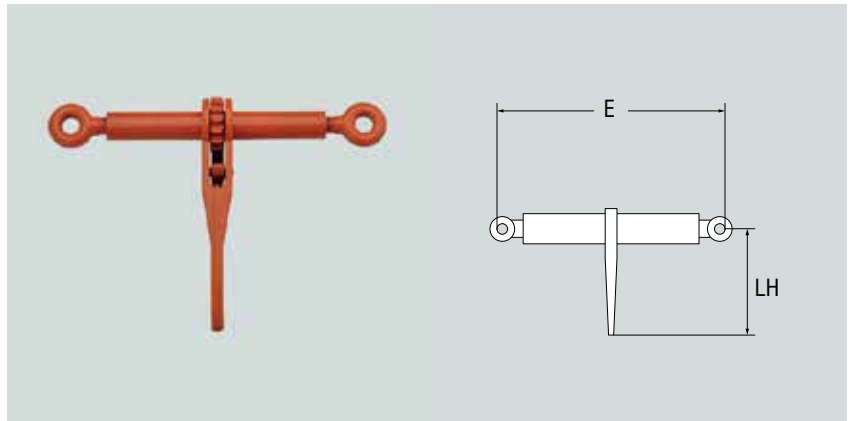
► lashing force: 5000 daN to 13400 daN

Technical data

- **Standard:** DIN EN 12195-3
- **Quality grade:** 10
- **Structural element surface:** powder-coated
- **Structural element colour:** orange

HIT ratchet load tensioner

Ratchet load tensioner in quality grade 10.



Lashing force direct	LC	daN	5000	8000	13400
for nominal size of chain		mm	8	10	13
Distance suspension points min	E_{min}	mm	350	358	575
Distance suspension points max	E_{max}	mm	510	515	870
Tensioning lever length	LH	mm	237	335	359
Weight approx.		kg	3,1	3,8	7,8
Reference no.			236328	236329	236330

16 mm version with coupling connections!

- ▶ Variable lashing lengths
- ▶ Cost-effective
- ▶ Lashing force: 4000 daN to 16000 daN

Technical data

- ▶ **Standard:** DIN EN 12195-3
- ▶ **Quality grade:** 8
- ▶ **Chain surface:** painted
- ▶ **Chain color:** black
- ▶ **Structural element surface:** painted
- ▶ **Structural element colour:** red

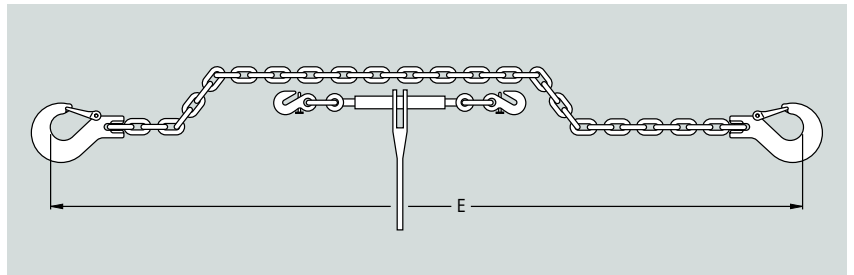
Options on request

- ▶ Further lengths

Lashing chain system two-piece

Two-part lashing chain system, quality grade 8, with a ratchet load tensioner for shortening, which can be positioned at any point of the chain.

The high-strength chains and fittings are particularly suitable for harsh operation.



Lashing force direct	LC	daN	4000	6300	10000	16000
Pre-tensioning force	S_{TF}	daN	1000	1575	1500	2400
Nominal size of chain		mm	8	10	13	16
Distance suspension points min	E_{min}	mm	3000	3000	3000	3000
Distance suspension points max	E_{max}	mm	3170	3170	3170	3160
Hook opening width	G	mm	27	30	38	46
Weight approx.		kg	9,866	14,004	22,72	31,689
Effective length	NL	m	3	3	3	3
Reference no.			494345	494346	494347	494348
Component tensioner						
Type			Tensioner with hook			
Reference no.			217124	217125	217126	217127

- ▶ Variable lashing lengths
- ▶ lashing force: 4000 daN to 16000 daN

Technical data

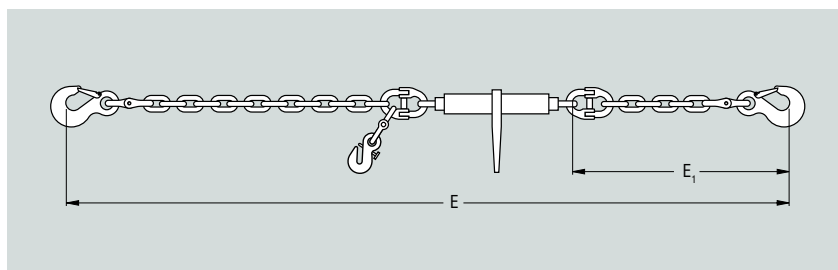
- ▶ **Standard:** DIN EN 12195-3
- ▶ **Quality grade:** 8
- ▶ **Chain surface:** painted
- ▶ **Chain color:** black
- ▶ **Structural element surface:** painted
- ▶ **Structural element colour:** red

Options on request

- ▶ Further lengths

Lashing chain system one-piece

Lashing chain system in quality grade 8 with built-in RS ratchet load tensioner, grab hook or pocket shortener.



Lashing force direct	LC	daN	4000	6300	4000	6300	10000	10000	16000	16000
Pre-tensioning force	S_{TF}	daN	1000	1575	1000	1575	1500	1500	2400	2400
Nominal size of chain		mm	8	10	8	10	13	13	16	16
Suspension point distance	E_1	mm	1000	1000	280	330	1000	420	1000	500
Distance suspension points min	E_{min}	mm	3000	3000	3000	3000	3000	3000	3000	3000
Distance suspension points max	E_{max}	mm	3170	3170	3170	3170	3170	3170	3160	3160
Hook opening width	G	mm	27	30	27	30	38	38	46	46
Weight approx.		kg	9,692	13,74	9,042	12,684	21,433	19,358	32,954	29,944
Effective length	NL	m	3	3	3	3	3	3	3	3
Reference no.			494337	494338	494339	494340	494341	494342	494343	494344
Component tensioner										
Type						Tensioner with eyelets				
Reference no.			283764	283765	283764	283765	283766	283766	283767	283767

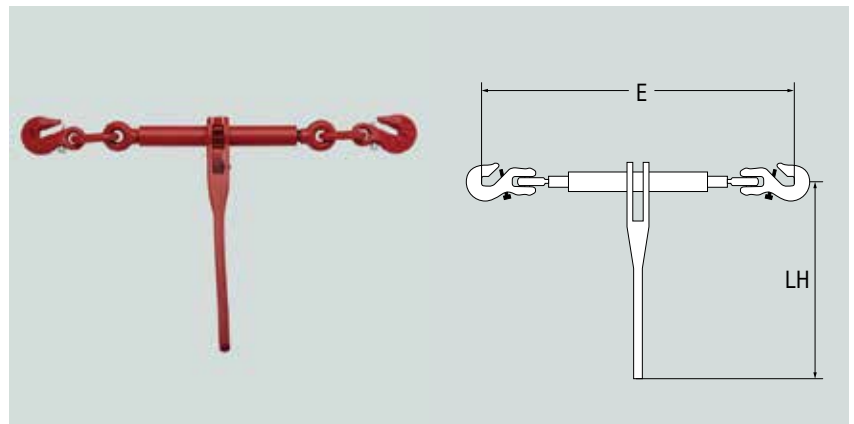
► lashing force: 4000 daN to 16000 daN

Technical data

- **Standard:** DIN EN 12195-3
- **Quality grade:** 8
- **Structural element surface:** painted
- **Structural element colour:** red

Ratchet load tensioner with grab hook

Ratchet load tensioner with grab hook for shortening lashing chain systems in quality grade 8.
With lashing badge and test tag.



Lashing force direct	LC	daN	4000	6300	10000	16000
for nominal size of chain		mm	8	10	13	16
Distance suspension points min	E_{\min}	mm	580	695	690	730
Distance suspension points max	E_{\max}	mm	750	765	855	895
Tensioning lever length	LH	mm	335	335	330	335
Weight approx.		kg	4,6	5,3	7,8	9,8
Reference no.			217124	217125	217126	217127

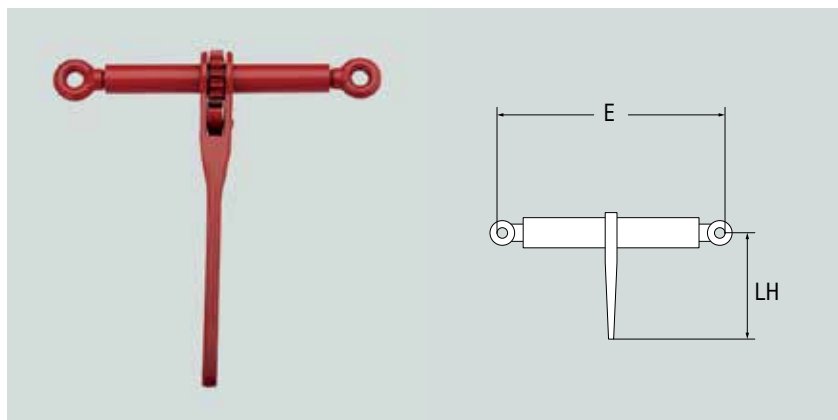
► lashing force: 4000 daN to 16000 daN

Technical data

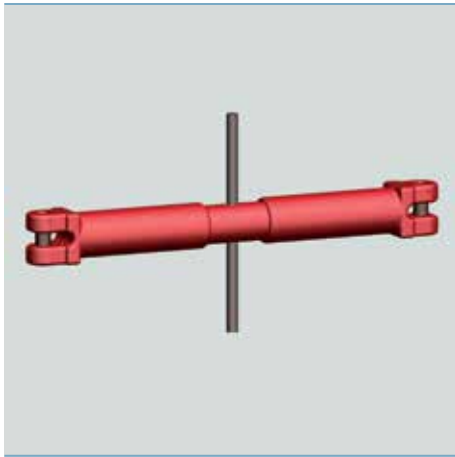
- **Standard:** DIN EN 12195-3
- **Quality grade:** 8
- **Structural element surface:** painted
- **Structural element colour:** red

Ratchet load tensioner

Ratchet load tensioner for lashing chain systems in quality grade 8.



Lashing force direct	LC	daN	4000	6300	10000	16000
for nominal size of chain		mm	8	10	13	16
Distance suspension points min	E_{\min}	mm	340	345	380	360
Distance suspension points max	E_{\max}	mm	510	515	545	555
Tensioning lever length	LH	mm	335	335	330	335
Weight approx.		kg	3,4	3,5	4,26	7
Reference no.			283764	283765	283766	283767



KSS chain coupling turnbuckle

For the simple tensioning of the chain lashing, infinitely adjustable and with built-in overwinding protector.

To prevent unintentional loosening, it is essential to attach the safety chain.

for nominal size of chain		mm	8	10	13	16
Distance suspension points min	E_{min}	mm	330	455	515	530
Distance suspension points max	E_{max}	mm	450	670	795	780
Weight approx.		kg	3,2	3,9	6,5	10
Reference no.			119698	119699	119700	165339

Technical data

► Quality grade: 8



Safety chain for KSS chain coupling turnbuckle

The coupling turnbuckle is also approved in connection with the safety chain as an attachment device. It can be used in chain slings of grade 80 for exact length adjustment.

Weight approx.		kg	0,42
Reference no.			157802

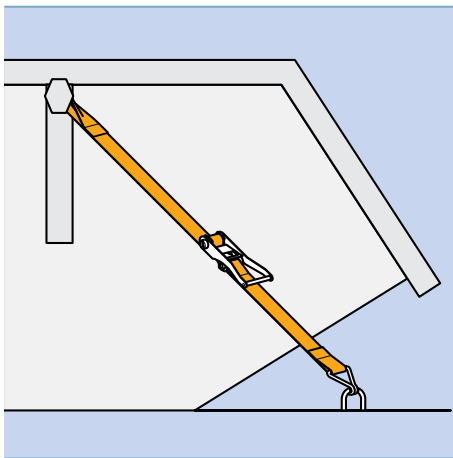
► **lashnig force: 2500 daN**

Technical data

- **Standard:** DIN EN 12195-2
- **Webbing width:** 50 mm
- **Webbing colour:** orange
- **Webbing material:** Polyester
- **Identification mark:** Polytex® logo; Polytex® Flip Label

Options on request

- Lashing systems for other dimensions; with individual imprint



Polytex® lashing strap system for skips

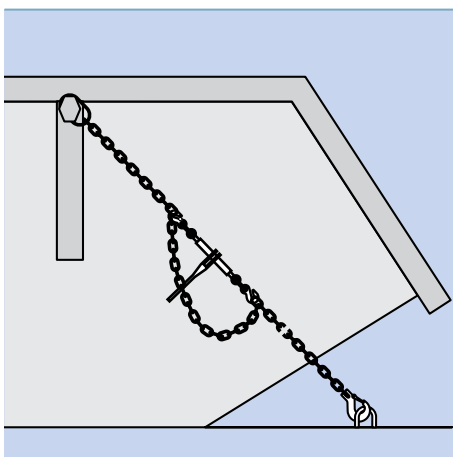
Lashing strap system consisting of a lashing strap with reinforced, tapered end loop and wire claw hook for securing containers.

Lashing force	LC	daN	2500
Weight per first metre		kg	1,504
Weight per further meter		kg	0,128
Reference no.	146799		

► **lashnig force: 4000 daN to 6300 daN**

Options on request

- Lashing systems for other dimensions



Lashing chain system for skips

Lashing chain system consisting of a chain with suspension ring plus hook and a ratchet load tensioner with grab hook for shortening for securing containers.

Lashing force	LC	daN	4000	6300
Nominal size of chain	ND	mm	8	10
Weight per first metre		kg	10,083	14,254
Effective length	NL	m	3	3
Reference no.			494349	494350

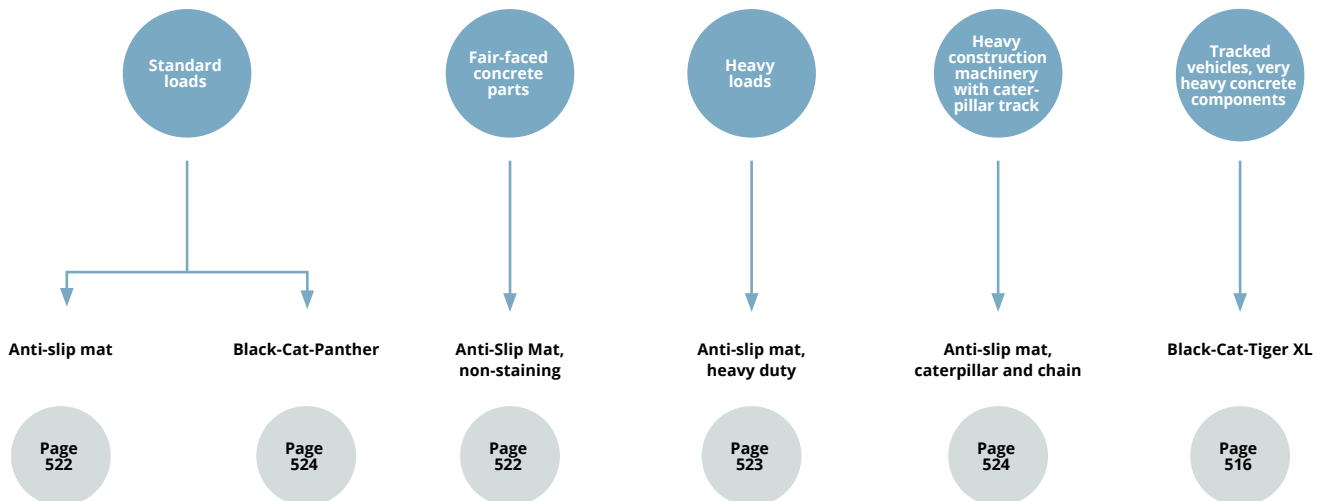
Anti-slip underlays

Anti-slip underlays increase the friction force between the load and the loading surface, thus reducing the amount of lashing equipment that has to be used. Our range offers solutions with extremely high friction coefficients for the heavy load sector, for fair-faced concrete, for caterpillar-track vehicles and much more.

Selection aid: Which underlay is the right one for my application?

Question:

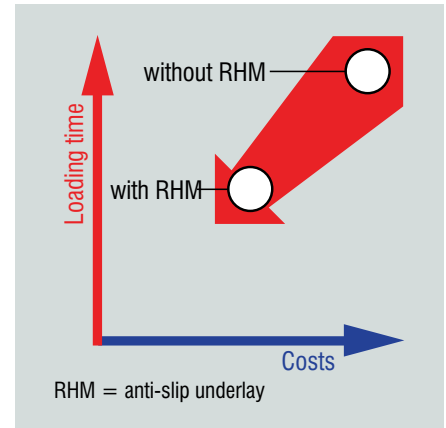
Under which loads is it to be laid?



How anti-slip underlays save material and time

Anti-slip underlays significantly reduce the required pre-tensioning forces and thus also the number of lashing straps (here: example of lashing down).

Example: A 2,000 kg metal load is to be lashed free-standing on a loading surface with a screen floor and coefficient of sliding friction of about 0.2 μ with a standard ratchet (50 mm) and a pre-tensioning force STF of 250 daN as well as a lashing angle α of 90 °. Without an anti-slip mat, 14 lashing straps are required. With an anti-slip mat, only two lashing straps are required.



Notice on safe use

Check contact surfaces for cleanliness

Dirt, sand, water and especially lubricants reduce friction and adversely affect the securing effect!

Lay out anti-slip mats properly

- The cargo and loading surface must not touch each other
- Anti-slip underlays must be visible from the outside without lifting or moving the load.
- Also provide intermediate layers with anti-slip mats

Take additional measures to prevent slipping

- At least 2 items of lashing equipment per load unit.
- The contact between the friction partners must be maintained in every driving situation.
- If possible, load several pieces of cargo without gaps.

Check the deformability of the mesh

VDI 2700 sheet 15 demands a mat area that permits a max. deformation of 30% of the initial thickness.

Check anti-slip mats before, during and after use for obvious defects!

- ▶ **Standard:** VDI 2700 sheet 14
- ▶ **Coefficient of sliding friction:** μ 0.6 at a surface pressure of up to 250 t/m²
- ▶ **Operating temperature:** -40 °C to +120 °C

Options on request

- ▶ further dimensions and thicknesses;
Technical data sheet for proof



- ▶ **Standard:** VDI 2700 sheet 14
- ▶ **Coefficient of sliding friction:** μ 0.9 at a surface pressure of up to 270 t/m²
- ▶ **Operating temperature:** -30 °C to +100 °C

Options on request

- ▶ Thicknesses from 3 mm to 10 mm



Anti-slip mat

Anti-slip mat with a guaranteed sliding coefficient of friction of $\mu = 0.6$.

The use of this mat significantly reduces the number of lashing straps required when lashing down.

Due to the material thickness, a longer service life is achieved than with thin mats.

Overall width	B	mm	250	100	100
Material size		mm	8	8	10
Overall length	L	mm	5000	200	200
Format			Roll	Mesh	Mesh
Packing quantity			1 Pk	1 Pk	1 Pk
Weight approx.		kg	8,54	19	17
Reference no.			123650	200942	200943

Anti-slip mat non-staining

Due to the colourful granulate structure, the anti-slip mat leaves no black abrasion marks on sensitive loads such as fair-faced concrete parts.

Overall width	B	mm	250
Material size		mm	8
Overall length	L	mm	5000
Format			Roll
Packing quantity			1 Pk
Weight approx.		kg	11
Reference no.			281763

- ▶ Robust and durable
- ▶ Standard: VDI 2700 sheet 14
- ▶ Coefficient of sliding friction: μ 0.9 with material pairing wooden pallet/loading surface; μ 0.7 with material pairing steel/loading area
- ▶ Surface pressure: 1500 t/m²



Anti-slip mat heavy-duty

This anti-slip mat has an extremely high load capacity of up to 1500 t/m² and is therefore particularly suitable for heavy-duty transport and heavy loads.

The mat is particularly sturdy and durable due to a 3 mm thick wear protection layer.

Overall width	B	mm	800
Material size		mm	13
Overall length	L	mm	1200
Format			Mesh
Packing quantity			1 Pk
Weight approx.		kg	15
Reference no.	255720		

- ▶ Standard: VDI 2700 sheet 14
- ▶ Coefficient of sliding friction: μ 0.64 dry in the running direction of the chain; μ 0.62 dry transverse to the running direction of the chain; μ 0.51 wet in the running direction of the chain; μ 0.4 wet transverse to the running direction of the chain
- ▶ Surface pressure: 579 t/m²



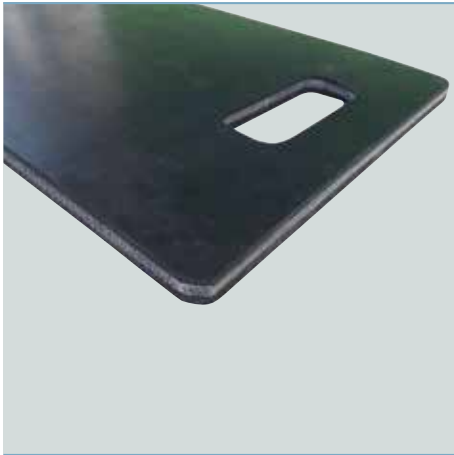
Anti-slip mat Caterpillar and chain

Anti-slip mat is suitable for heavy construction machines with crawler tracks and weights of up to 85 t.

If a cutting to size should be necessary, this can be done with a circular saw or jigsaw.

Overall width	B	mm	800
Material size		mm	24
Overall length	L	mm	1200
Format			Mesh
Packing quantity			1 Pk
Weight approx.		kg	24,5
Reference no.	255721		

- ▶ Extremely stable – even after being driven over several times by caterpillar track vehicles
- ▶ For load use up to 250 t/m²
- ▶ Ideal for the transport of caterpillar track vehicles, very heavy concrete components, tanks and for special transport



Anti-slip mat Black-Cat-Tiger

The almost indestructible top product for the highest transport safety and demanding requirements. Extremely robust with a load capacity of several tonnes due to the 4-ply fabric insert in the special rubber mat.

Overall width	B	mm	400
Material size		mm	6
Overall length	L	mm	4000
Format			Roll
Packing quantity			NaN
Weight approx.		kg	9,6
Reference no.	274727		

- ▶ Extremely tear-resistant
- ▶ Easy handling thanks to low weight
- ▶ Coefficient of sliding friction: μ 0.94 at a surface pressure of up to 10 t/m²; μ 0.55 at a maximum surface pressure of up to 82.5 t/m²
- ▶ Operating temperature: -40 °C to +120 °C

Options on request

- ▶ Design as edge protection pad with insertable belt glider



Anti-slip mat Black-Cat-Panther

Due to its closed surface, the anti-slip mat is washable and food-safe according to law, and therefore suitable for universal use in transport, logistics, industry and manual trades.

Due to an additional fabric insert the mat is particularly tear-resistant, but remains flexible, easy to roll and easy to cut.

Overall width	B	mm	120	200	600	800
Material size		mm	4,5	4,5	4,5	4,5
Overall length	L	mm	4000	4000	4000	4000
Format			Roll	Roll	Roll	Roll
Packing quantity			1 Pk	1 Pk	1 Pk	1 Pk
Weight approx.		kg	4,8	6,6	4,9	6,4
Reference no.			234487	234488	234489	234490

Overall width	B	mm	150	800	150
Material size		mm	4,5	4,5	4,5
Overall length	L	mm	150	1200	150
Format			Octagonal pad	Mesh	8-sided pad with insertable belt glider
Packing quantity			1 Pk	1 Pk	1 Pk
Weight approx.		kg	3,6	2	1
Reference no.			234491	234492	373866

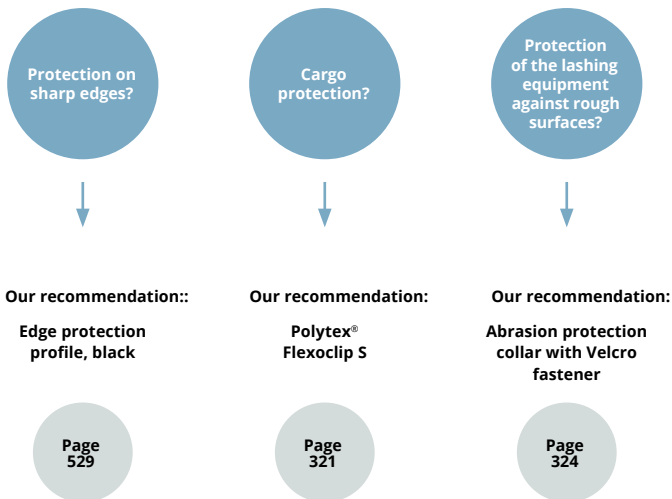
Edge protection systems

Edge protectors protect the load, extend the service life of lashing straps and are even mandatory for sharp edges.

Selection aid: Which edge protection is the right one for my application?

Question:

What is to be protected?



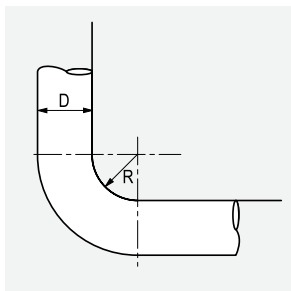
Assortment overview

		Suitable for				See page
		Lashing strap	Chain/rope	Round sling	Lifting strap	
Edge protection systems	Duplex edge protection sleeve	✓	-	✓	✓	317
	Simplex edge protection sleeve	✓	-	✓	✓	318
	Flexoclip edge protection sleeve	✓	-	✓	✓	321
	Edge protection plate and ratchet underlay	✓	-	-	-	529
	Steel edge protection profile	✓	-	-	-	530
	Edge protector with magnet	✓	-	Observe width/weight	Observe width/weight	312
	Edge protector with joint	✓	-	Observe width/weight	Observe width/weight	312
	Heavy duty edge protector	✓	-	Observe width/weight	Observe width/weight	313
	Edge protection profile, black	✓	-	Observe width	Observe width	529
	Edge protection profile, plastic	✓	-	Observe width	Observe width	530
	Double bridge edge protection rail	✓	-	-	-	528
	Edge protection profile for chain and rope	-	✓	-	-	319
	Edge protection sleeve for chain and rope	-	✓	-	-	320
	Edge protection profile for lashing chain	-	✓	-	-	528
	HMPE edge protection sleeve	✓	-	✓	✓	314
	HMPE edge protector	✓	-	✓	✓	314
HMPE edge protection collar	-	-	✓	✓	315	
Abrasion protection systems	Abrasion protection sleeve, 1-leg	✓	-	✓	✓	323
	Abrasion protection sleeve, 2-leg	✓	-	✓	✓	322
	Leather abrasion protection collar with Velcro fastener	✓	-	✓	✓	324
	Abrasion protection collar with Velcro fastener	✓	-	✓	✓	324

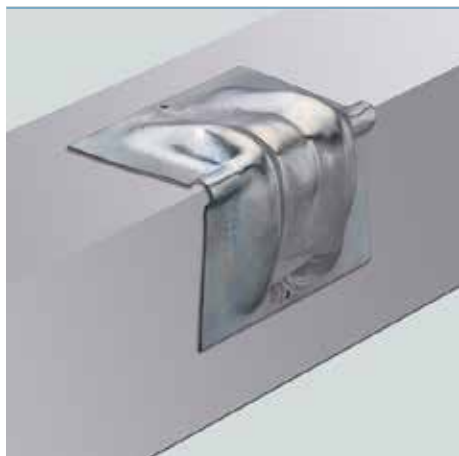
Notice on safe use:

Sharp edges must be secured by edge protection systems!

An edge is considered to be sharp if the edge radius R of the load is smaller than the thickness of the lashing strap.



Abrasion protection and fire hoses are not edge protection!!



Edge protection profile Lashing chains

The edge protection profile made of metal protects the lashing chain from sharp edges, ensures even force distribution and thus prevents damage to the load.

for nominal size of chain min	mm	6
for nominal size of chain max	mm	13
Weight approx.	kg	0,5
Reference no.		281760

- ▶ High form elasticity
- ▶ Enlarged contact surface for optimal pressure distribution

Technical data

- ▶ **Material:** Polyethylene
- ▶ **Material size:** 19 mm
- ▶ **Leg length:** 190 mm



Double bridge edge protection rail

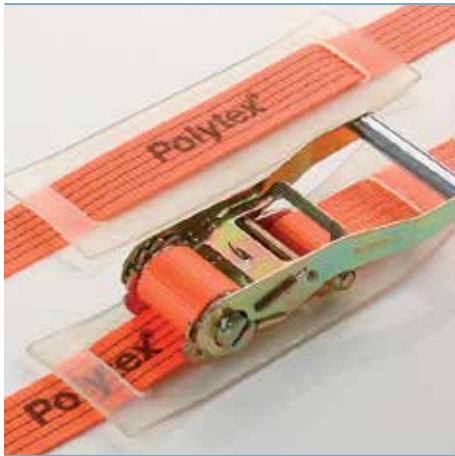
Edge protection rail for lashing of several individual load parts together for uniform force distribution to protect the lashing strap against damage by sharp edges.

The inner air gap in the edge protection profile protects the edge of the load, while the rounded profile protects the strap and increases the sliding capability of the straps, resulting in better transmission of the pre-tensioning force.

Overall length	L	mm	400	800	1200
Weight approx.		kg	0,82	1,71	2,56
Reference no.			240219	240220	240221

Options on request

► further sizes



Edge protection plate and ratchet underlay

Sturdy polyurethane plate protects lashing strap and load by preventing direct contact of the ratchet with the component.

for harness strap width max	mm	50
Weight approx.	kg	1,6
Reference no.	208391	



Edge protection profile black

The edge protection profile is made of shatterproof plastic. The short leg is slightly curved for optimal adaptation to a paper roll. The strap is securely fixed by the formed lateral guide. The inner air gap in the corner of the profile protects the edge of the load, while the raised side parts keep the strap away from the load.

for harness strap width max	mm	50
Weight approx.	kg	0,28
Reference no.	187347	



Edge protection profile Plastic

Particularly stable edge protection profile with slot for feeding the strap through for even and gentle pressure distribution.

for harness strap width max	mm	100
Weight approx.	kg	0,9
Reference no.		208390

Packing unit 10 pieces
Minimum purchase quantity 1 carton (60 pieces)



Edge protection profile steel

Edge protection profile with slot for feeding the strap through for the protection of lashing strap and transported goods.

for harness strap width max	mm	50
Weight approx.	kg	3,8
Reference no.		208389

Packing unit 10 pieces

- ▶ **Standard:** DIN EN 12195-1;
DIN EN 12640
- ▶ **Operating temperature:**
-20 °C to +200 °C
- ▶ **Certification:** H-stamp
- ▶ **lashnig force:** 8000 daN to 32000 daN

Technical data

- ▶ **Quality grade:** 10

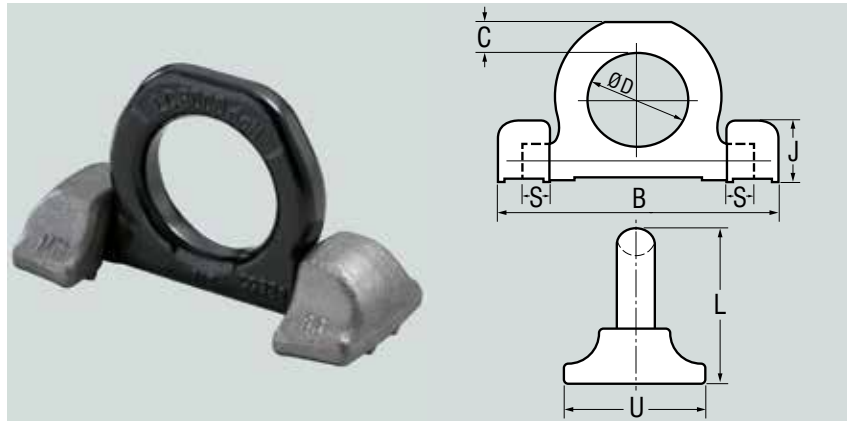
Options on request

- ▶ with individual serial number

Weldable lashing ring

Lashing ring for welding with special marking (LC in daN) for load securing according to EN 12640/EN 12195-1.

The application of force via the two weld-on lugs leads to optimal force distribution in the load.



Lashing force	LC	daN	8000	13400	20000	32000
Overall length	L	mm	79	103	118	155
Diameter Eye	D	mm	48	60	65	90
Structural element width	B	mm	134	169	196	264
Socket height	J	mm	29	39	48	55
Socket width	U	mm	60	88	98	127
Bracket height	C	mm	14	20	22	31
Insertion depth	S	mm	11,4	16	19,5	29
Weight approx.		kg	0,73	1,8	3	5,75
Reference no.			256691	256692	256693	256694

- ▶ **Standard:** DIN EN 12195-1;
DIN EN 12640
- ▶ **Operating temperature:**
-20 °C to +200 °C
- ▶ **Certification:** H-stamp
- ▶ **lashing force:** 3000 daN to 32000 daN

Technical data

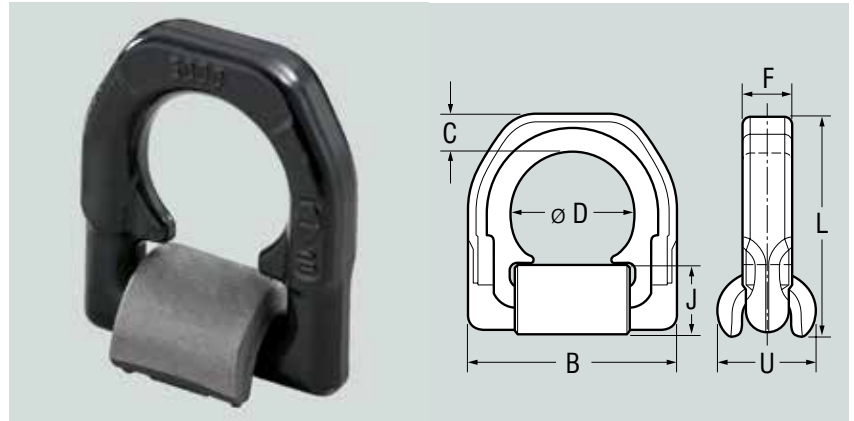
- ▶ **Quality grade:** 10

Options on request

- ▶ with spring for locking the load ring; with individual serial number

Weldable lashing eye

Lashing ring for welding with special marking (LC in daN) for load securing according to EN 12640/EN 12195-1.

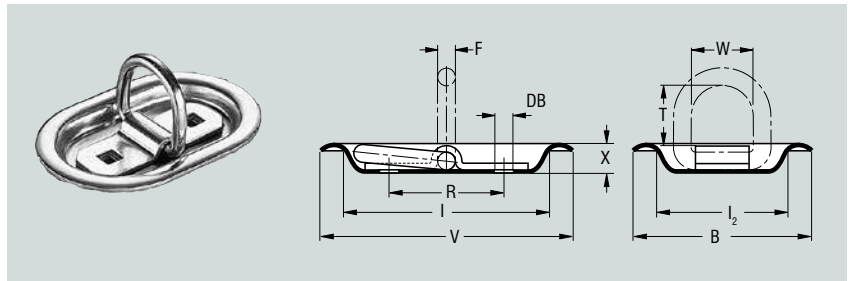


Lashing force	LC	daN	3000	5000	8000	13400	20000	32000
Overall length	L	mm	79	91	102	141	157	219
Diameter Eye	D	mm	38	45	51	67,3	67	100
Structural element width	B	mm	66	77	87	115	129	190
Socket height	J	mm	25	27	32	44	55	69
Socket width	U	mm	31	34,5	40	58,5	70,5	87
Bracket height	C	mm	14	16	18	24	31	45
bracket cross-sectional diameter	F	mm	16	18	20	26	28,5	42
Weight approx.		kg	0,39	0,59	0,87	2,23	3,33	9,28
Type			without spring					
Reference no.			256685	256686	256687	256688	256689	256690
Type			with spring					
Reference no.			256708	256709	256710	256711	256712	256713

- ▶ Standard: DIN ISO 27956
- ▶ Lashing force: 350 daN to 800 daN

Recessed lashing ring, bolt-on

Bolt-on recessed lashing ring in galvanized execution.



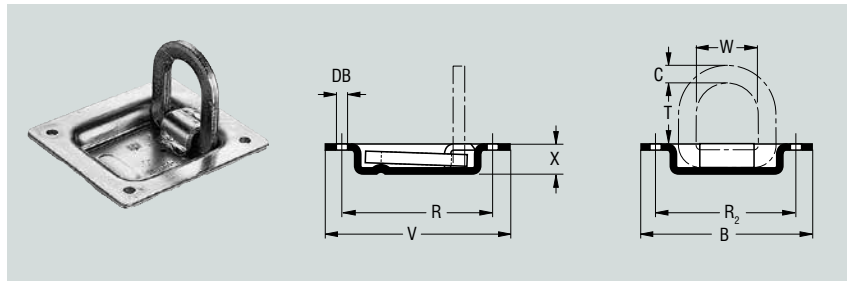
Lashing force	LC	daN	350	800
Breaking force		kN	700	1600
Clearance	W	mm	30	38
Clear height	T	mm	27	35
Structural element width	B	mm	70	100
Bracket cross-sectional diameter	F	mm	6	10
Drill hole diameter	DB	mm	8,5	11
Drill hole distance	R	mm	45	60
Body length	V	mm	104	145
Body height	X	mm	12	16
Body clearance internal	I	mm	86	120
Body clearance internal	I ₂	mm	52	75
Weight approx.		kg	0,2	0,42
Reference no.			135981	135982

Screws are not included in the scope of supply.

- ▶ Standard: DIN EN 12640
- ▶ Lashing force: 1000 daN

Recessed lashing ring, bolt-on XL

Lashing recess for screwing.



Lashing force	LC	daN	1000
Breaking force		kN	2000
Clearance	W	mm	28
Clear height	T	mm	35
Structural element width	B	mm	92
Bracket height	C	mm	10
Drill hole diameter	DB	mm	6
Drill hole distance	R	mm	82
Drill hole distance	R ₂	mm	71
Body length	V	mm	104
Body height	X	mm	17
Weight approx.		kg	0,39
Reference no.			135983



Spanngurtfix lashing strap winder

Lashing strap winder with integrated winding and holding device for 50 mm lashing straps.

Lashing strap fix can be retrofitted to any 50 mm lashing strap up to 12 m in length and is suitable for left and right-handers.

The lashing strap winder made of high-strength plastic is particularly sturdy, durable and light.

Weight approx.	kg	0,165
Reference no.		266614



Lift and turn as you like

Maximum safety meets long service life:
Our range for professional lifting and turning
of loads naturally complies with all applicable
laws and guidelines. You can only expect
more from our service. Let us advise you!

Lifting and turning devices

Turning devices	538
Spreader beams	541
Lifting clamps	551
Grabs	567
Drum handling devices	577

Turnover devices

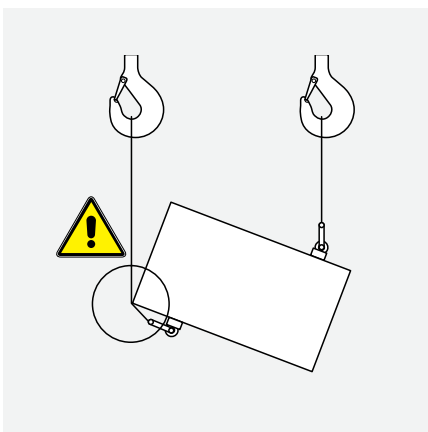
Our turnover devices simplify the turning of loads. Safely, simply and without a crane.
Turnover devices from PFEIFER meet the highest quality standards: We have the welding certificate EN 1090 – EXC 3 and decades of experience in production. Our welders are tested according to EN DIN 287. Only sheet metals with 3.1 B certificates are processed.

Selection aid: Which device is the right one for my application?

Question:
What loads are to be turned over?



Notice on safe use



Loops and chains that often damage the sensitive load edges ...



... as well as sometimes adventurous and dangerous methods for turning the load become superfluous!



Turn large and bulky loads over quickly and safely without a crane!

3D illustrations and application videos

Use our product and application videos as well as the interactive 3D illustrations on the product web pages at www.pfeifer.info/en

Take advantage of our services!

We support you with inspections for the safety and discarding time of your attachment devices.



Services

- ▶ Order scheduling
- ▶ Mobile and stationary Inspection Service
- ▶ Instant repairs
- ▶ Spare parts service
- ▶ Modern data management

Total range:

www.pfeifer.info/mobile-services



Contacts:

Germany

pruefservice-azs@pfeifer.de
+49 (0) 800-723 7244

Austria

pruefservice@pfeifer-austria.at
+43 (0) 7224-66224-15

Switzerland

info@pfeifer-isofer.ch
+41 (0) 44-7685555

Luxembourg

info@pfeifer-sogequip.lu
+352 57 42-42

- ▶ Can be picked up by fork-lift truck
- ▶ Power connection via 400 V socket
- ▶ Safe even without accessories such as protective fences or locking device
- ▶ Built-in load cycle counter



Slewing coil positioner AXXO

AXXO rotary turning table for the safe and gentle turning of compact, small loads of up to 10 t by 90°. Particularly suitable for palletised slit coils, steel coils and reels.

SWL max	t	2	6	6	10
Load outer diameter max	mm	1200	1500	1800	2000
Load width max	mm	800	1000	600	1200
Nominal power	kW	0,25	0,55	0,55	1,1
Voltage	V	400	400	400	400
Frequency	Hz	50	50	50	50
Weight approx.	kg	750	1700	1700	2900
Turning time	s	40	40	40	60
Turning angle	°	86	86	86	86
Reference no.		278417	278418	278419	278420

- ▶ Frequency converter for short turning time
- ▶ Can be picked up by fork-lift truck
- ▶ Three tabletop variations
- ▶ Built-in load cycle counter



Positioner INVERTO

INVERTO turning table for the safe and gentle turning of heavy, bulky loads of up to 30 t by 90°. Particularly suitable for tool moulds, injection moulding tools, steel coils and paper rolls.

SWL max	t	2	8	15	30
Table top length	mm	900	1300	1500	2000
Table top width	mm	700	1000	1200	1500
Table top height	mm	900	1300	1500	2000
Table height	mm	465	650	830	1100
Clearance width	mm	-	300	400	500
Nominal power	kW	0,55	1,75	4,25	4,25
Voltage	V	400	400	400	400
Frequency	Hz	50	50	50	50
Weight approx.	kg	560	1260	2300	4800
Distance of centre of gravity from one table surface max	mm	430	650	875	1000
Out-of-centre gravity diagonal to the turning direction	mm	± 100	± 100	± 100	± 100
Turning time	s	25	35	35	60
Turning angle	°	90	90	90	90
Reference no.		283550	261309	259925	258129

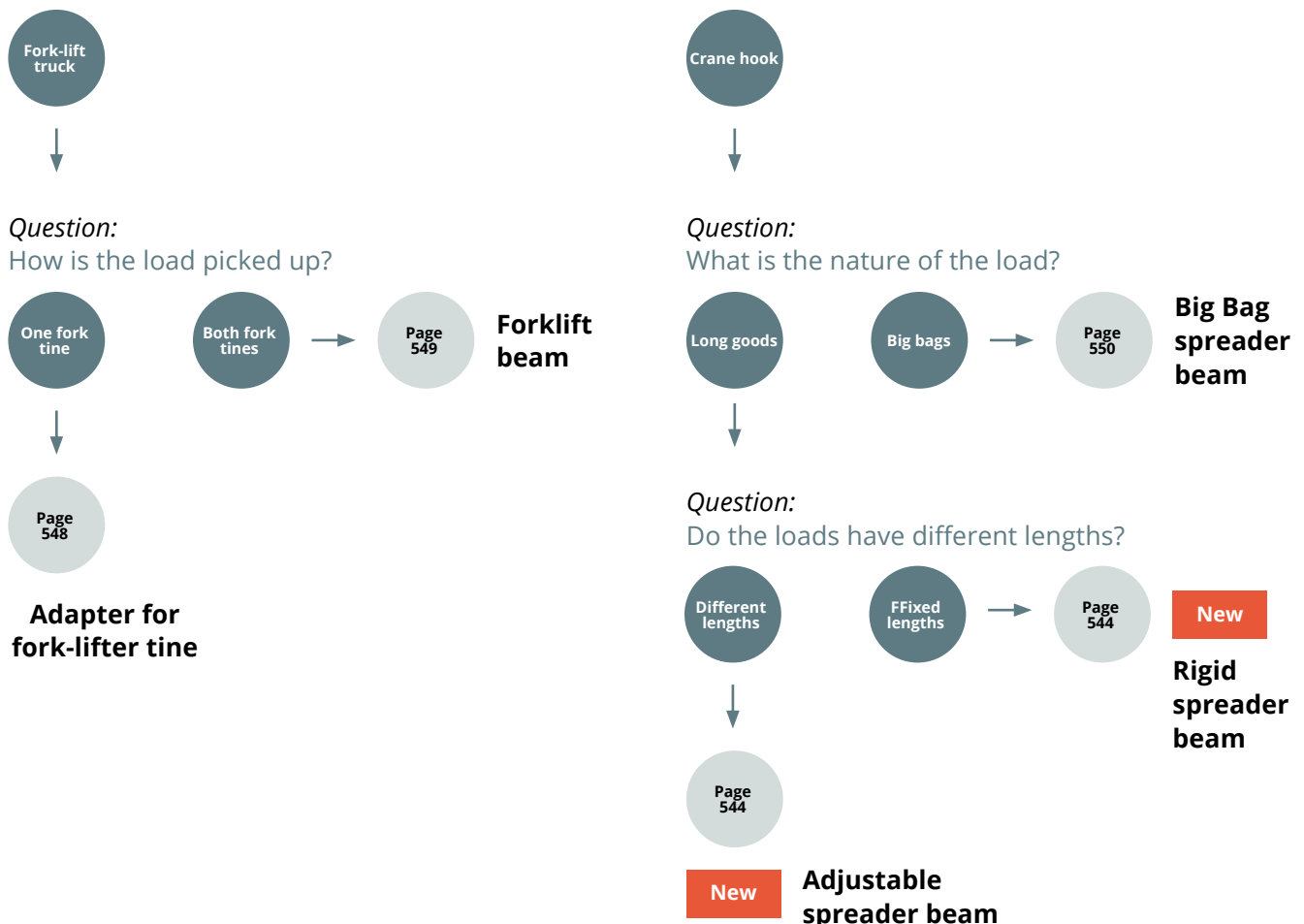
Spreader beams

Spreader beams are indispensable load lifting attachments. Our spreader beams are designed according to DIN 13155 for 20,000 load changes and manufactured according to the highest quality requirements. We meet the necessary welding requirements according to EN ISO 3834-2 and have the welding certificate according to EN 1090-2 up to execution class EXC 3..

Selection aid: Which spreader beam is the right one for my application?

Question:

Is the load picked up by fork-lift truck or crane hook?



Notice on safe use

Read the operating instructions before using the spreader beam!

Observe the temperature range

Do not use at ambient and load temperatures below -20 °C or above $+100\text{ °C}$.

Pay attention to even loading!

In case of uneven loading, the entire "spreader beam/load" system can hang at an angle.

According to EN 13155, the angle of inclination must not exceed 6° .

Suspend the spreader beam vertically above the centre of gravity of the load!

Loads with an eccentric centre of gravity require eccentric suspension or asynchronously adjustable and unevenly loadable attachment points.

Pay attention to the height of the centre of gravity of the load!

The system will usually be stable if it is lower than the attachment points. If it is higher, it is imperative to pay attention to the right combination of "attachment method/design of the spreader beam".

Attach the load correctly!

There are many factors to consider when attaching with ropes, chains and round suspension gear.

Match the sizes of the suspension and crane hook to each other!

Crane hook too small > spreader beam starts to swing.

Crane hook too large > not permitted.

The suspension must be freely movable and stable in the crane hook.

Check the carrying capacity of the crane!

The carrying capacity of the crane is reduced by the dead weight of the spreader beam.

No 10-tonne crane can use a 10-tonne spreader beam under full load.

Safe load transport with spreader beams is an interaction of attachment points, load centres of gravity and crane hooks. We'll be glad to advise you!

Take advantage of our services!

We support you with inspections for the safety and discarding time of your attachment devices.



Services

- ▶ Order scheduling
- ▶ Mobile and stationary Inspection Service
- ▶ Instant repairs
- ▶ Spare parts service
- ▶ Modern data management

Total range:

www.pfeifer.info/mobile-services



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Austria

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+43 (0) 7224-66224-15

Switzerland

info@pfeifer-isofer.ch
+41 (0) 44-7685555







Luxembourg

info@pfeifer-sogequip.lu
+352 57 42-42

New

“Alpha” modular spreader beam system

Configure your personal spreader beam yourself!

					
Rigid or adjustable	1-20 t Load capacity	1-6 m Working length	1,6-25 Crane hook size	4 Grid spacing	6 Additional options

► **Modular system:**

The ideal combination for every requirement – two versions and six options.

► **Rapid availability** Combine individually, simply order, ready for shipment in **3 days!**

► **Flexible:** Through exchangeable and upgradeable load hooks, crane hook suspensions and adjustment brackets!

► **Adaptable:** This spreader beam grows with your requirements, with your load dimensions and with further lifting possibilities. Can be upgraded at any time, at your site! Fast and uncomplicated.



► **Robust and durable** galvanised profile design offers perfect all-round rust protection!



simply
configure
online
& order

“Alpha” modular spreader beam system

Overview of versions

		
Execution	rigid	adjustable
Carrying capacity	Freely selectable from 1 t to 20 t	
Working length	The hook spacing is freely selectable up to max. 6,000 mm.	The hook spacing is freely selectable up to max. 6,000 mm. The grid spacing of the holes can be 100, 150, 200 or 250 mm.
Loads	Long loads such as precast elements, machines and machine components, steel girders, profiles, long goods and bundles, tree trunks, etc.	
	<ul style="list-style-type: none"> • Loads with approx. the same length • Spacing of the attachment points on the load is always the same 	<ul style="list-style-type: none"> • Loads of different lengths • Spacing of the attachment points on the load may vary
Load lifting	Load lifted by two load hooks with fixed hook spacing	Load lifted by two load hooks on the adjustable stirrups. The adjustable stirrups can be manually pegged out with holes and bolts.
Suspension for crane hooks	Suitable for single hooks according to DIN 15401 via plasma cut lifting eye	
Design	According to EN 13155/EN 13001 for 31,500 load changes	
Basic equipment	<ul style="list-style-type: none"> • Suspension for crane hook via plasma cut lifting eye • Two attachment lugs with load hooks 	<ul style="list-style-type: none"> • Suspension for crane hook via plasma cut lifting eye • Two adjustable stirrups with load hooks
Additional options	<ol style="list-style-type: none"> 1 Attachment lugs for 2-leg chain suspension gear including shackles 2 Additional pairs of attachment lugs with load hooks 4 Fork-lift truck pockets – can be bolted onto the underside of the profile 5 Parking feet – can be screwed onto the ends 	<ol style="list-style-type: none"> 1 Attachment lugs for 2-leg chain suspension gear including shackles 2 Additional pairs of adjustable stirrups with load hooks 3 Additional pairs of adjustable stirrups with lateral attachment hooks – perfect for hooking in textile attachment devices 4 Fork-lift truck pockets – can be bolted onto the underside of the profile 5 Parking feet – can be screwed onto the ends 6 Adjustable stirrups with lateral attachment hooks



Attachment lugs for 2-leg chain suspension gear including shackles



Attachment lugs with load hooks



Adjustable stirrups with load hooks



Fork-lift truck pockets



Parking feet

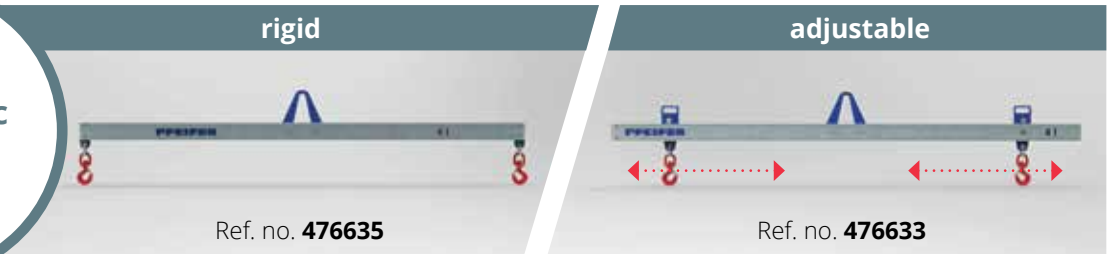


Adjustable stirrups with lateral attachment hooks

“Alpha” modular spreader beam system In 4 steps to your perfect spreader beam

1

Select basic version



2

Select desired parameters and options



Using the form on page 547
by scanning/email/fax

Our experts will be happy to help if you
have any questions: 08331/937 112

3

Quotation and construction drawing
in 1 day

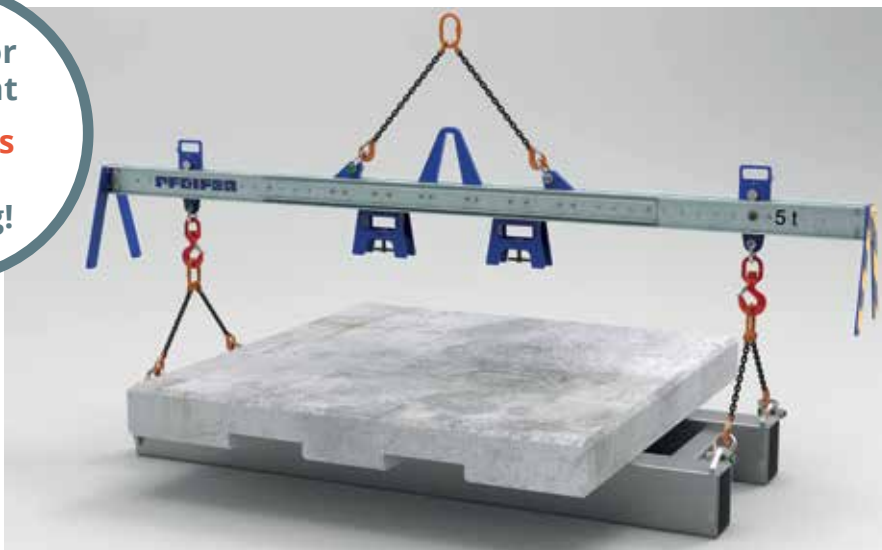


Executive drawing for control



4

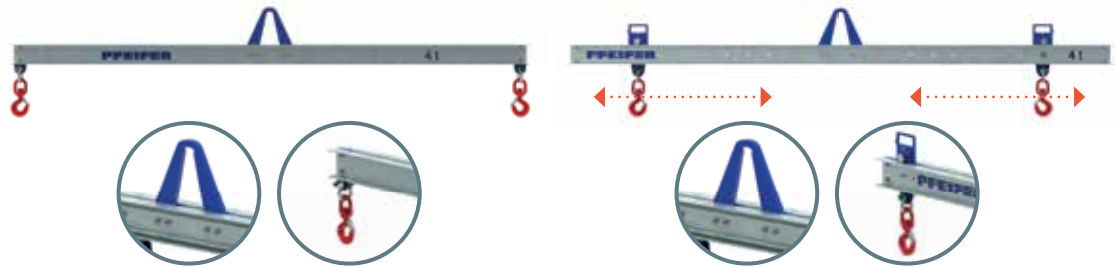
Ready for shipment
in 3 days
after ordering!



Use our delivery service
(additional delivery times
and shipping costs)

“Alpha” modular spreader beam system

Order form



Execution	<input type="checkbox"/> rigid (Ref. no 476635)	<input type="checkbox"/> adjustable (ref. no 476633)
Required load capacity	<input type="checkbox"/> 1.000 kg <input type="checkbox"/> 1.500 kg <input type="checkbox"/> 2.000 kg <input type="checkbox"/> 2.500 kg <input type="checkbox"/> 3.000 kg <input type="checkbox"/> 3.500 kg <input type="checkbox"/> 4.000 kg <input type="checkbox"/> 4.500 kg <input type="checkbox"/> 5.000 kg <input type="checkbox"/> 6.000 kg <input type="checkbox"/> 7.000 kg <input type="checkbox"/> 8.000 kg <input type="checkbox"/> 9.000 kg <input type="checkbox"/> 10.000 kg <input type="checkbox"/> 11.000 kg <input type="checkbox"/> 12.000 kg <input type="checkbox"/> 13.000 kg <input type="checkbox"/> 14.000 kg <input type="checkbox"/> 15.000 kg <input type="checkbox"/> 16.000 kg <input type="checkbox"/> 17.000 kg <input type="checkbox"/> 18.000 kg <input type="checkbox"/> 19.000 kg <input type="checkbox"/> 20.000 kg	
Maximum working length	<input type="checkbox"/> 1.000 mm <input type="checkbox"/> 1.500 mm <input type="checkbox"/> 2.000 mm <input type="checkbox"/> 2.500 mm <input type="checkbox"/> 3.000 mm <input type="checkbox"/> 3.500 mm <input type="checkbox"/> 4.000 mm <input type="checkbox"/> 4.500 mm <input type="checkbox"/> 5.000 mm <input type="checkbox"/> 5.500 mm <input type="checkbox"/> 6.000 mm	
	Notice: the minimum working length for the adjustable version results automatically from the max. working length and grid spacing!	
Grid spacing*	<input type="checkbox"/> 100 mm <input type="checkbox"/> 150 mm <input type="checkbox"/> 200 mm <input type="checkbox"/> 250 mm *relevant only for the adjustable version	
Crane hooks Size	<input type="checkbox"/> EH 1,6 <input type="checkbox"/> EH 2,5 <input type="checkbox"/> EH 4 <input type="checkbox"/> EH 5 <input type="checkbox"/> EH 6 <input type="checkbox"/> EH 8 <input type="checkbox"/> EH 10 <input type="checkbox"/> EH 12 <input type="checkbox"/> EH 16 <input type="checkbox"/> EH 20 <input type="checkbox"/> EH 25	
	Single crane hook according to DIN 15401	
Additional options	<input type="checkbox"/> Attachment lugs for 2-leg chain suspension gear** including 2 shackles <input type="checkbox"/> 2 fork-lift truck pockets – can be screwed onto the underside of the profile <input type="checkbox"/> 2 parking feet – can be screwed onto the ends <input type="checkbox"/> Adjustable stirrups with 2 lateral attachment hooks – Only with adjustable version! <input type="checkbox"/> Additional pair of adjustable stirrups – only with adjustable version! <input type="checkbox"/> Additional attachment lugs with load hooks – only with rigid version!	<div style="border: 1px solid black; padding: 5px;"> ** Chain slings from page 80 onwards </div> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> Attachment devices for the attachment of the load to the spreader beam can be found from page 260 onwards </div>

Customer

Company:

Address:

Contact name

Phone:

E-mail:

Complete, scan or take a photo of the form and send by email to: **traverse@pfeifer.info**

By fax to: **+49 8331/937 380**

For questions by telephone: **+49 8331/937 112**

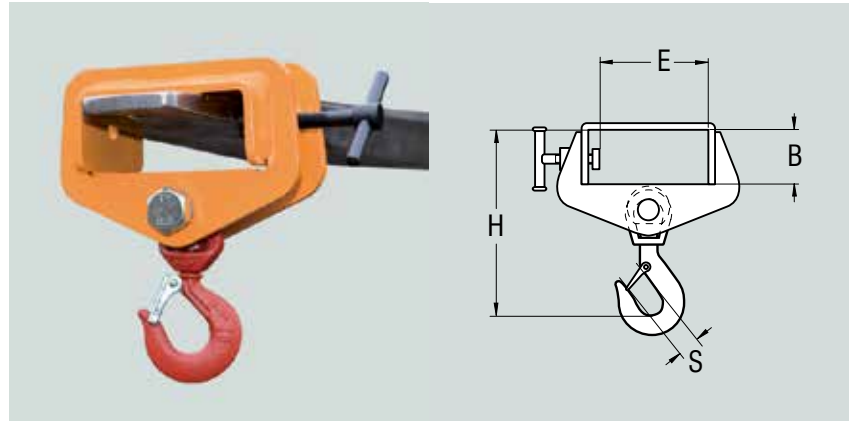
E-mail:



- ▶ Safety swivel eye can be rotated under load
- ▶ Integrated protection against slipping off the tine
- ▶ sturdy profile steel construction in compact lightweight design with welded tine recess

Adapter for fork lift prong

Adapter for fork lift prong for direct attachment to one fork prong. Load attachment by load hook.



SWL max		kg	1000	2000	3000
Weight approx.		kg	4,1	6,7	10,6
Construction height	H	mm	190	250	285
Prong gap inner height	B	mm	50	60	80
Prong gap internal width	E	mm	115	133	173
Opening width load hook	S	mm	20	23	27
Reference no.			181062	181063	181064

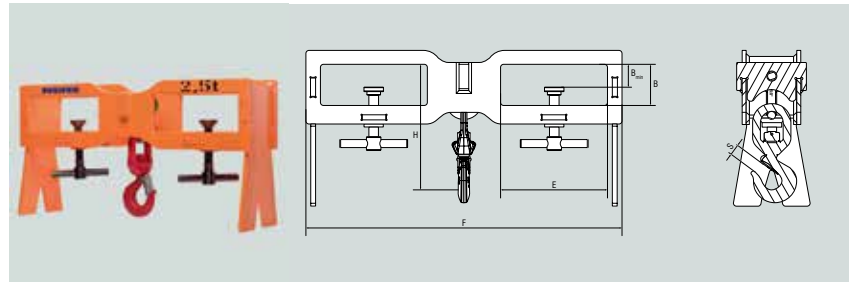
- ▶ Sling hook with safety latch and pivoting eye (not under load)
- ▶ Integrated protection against slipping off the tine
- ▶ Can be picked up by fork-lift truck

Spreader beam for fork lift applications

New

Spreader beam for fork lift applications for direct attachment to the fork lifter.

Load suspension via central, swivel-eye, safety load hook (not swivelling under load), optionally available with ball-bearing safety load hook for swivelling under load (extra charge!).



SWL max		kg	1000	2500	6000	10000
Weight approx.		kg	13,5	22	38	59,5
Overall length	F	mm	593	653	700	730
Construction height	H	mm	203	258	265	318
Prong gap inner height	B	mm	75	85	95	120
Prong gap inner height	B _{min}	mm	30	40	50	75
Prong gap internal width	E	mm	180	220	240	240
Opening width load hook	S	mm	20	23	43	53
Reference no.			439564	429308	439673	440160

► Extreme sturdy

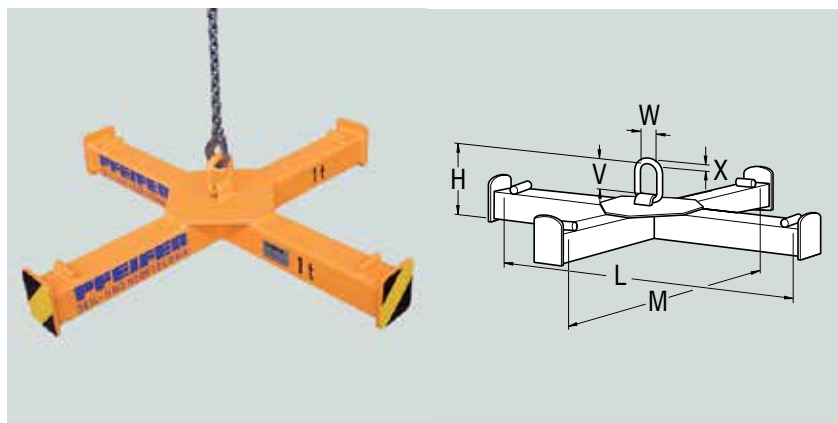
Options

► **Additional options:** Decide on your own – we accommodate and supply solutions conforming to standards and users!

Spreader beam for big-bags

Spreader beam for big-bags for safe and protective transport of big-bags.

Attachment of big-bag-loops directly over the hollow section.



SWL max		kg	1000	2000
Weight approx.		kg	24	32
Construction height	H	mm	185	210
Working length	L	mm	900	900
working width	M	mm	900	900
Suspension eye inner height	V	mm	53	63
Suspension eye internal width	W	mm	56	67
Suspension eye bar	X	mm	18	22
Reference no.			201872	201873

Load clamps

Our load clamps have proven themselves on four continents for over 40 years. They are designed according to European safety standards. This results in:

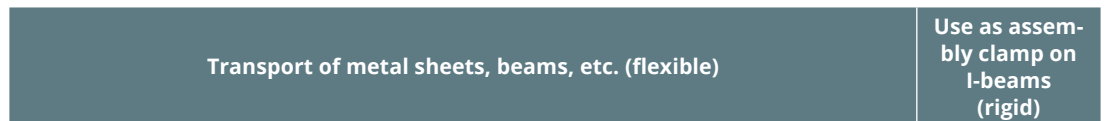
- demonstrably longer service life
- Higher economy:
- greater safety, especially in harsh operating conditions

Every load clamp is manufactured at the head office in Memmingen

Selection aid: Which clamp is the right one for my application?

Question:

Which function should the load clamp fulfil?



Question:

In which position should the load be transported?

	vertical (upright)			horizontal (lying down)						rigid	Page	
	vertical lifting, turning 90°	vertical lifting, turning 180°	lateral attachment, vertical Lifting	horizontal transport, dimensionally stable metal sheets	horizontal transport, dimensionally stable metal sheets, sheet stack	horizontal transport, beam, upright	horizontal transport, beam, lateral attachment	horizontal transport, beam lying down, vertical attachment	horizontal transport, beam lying down	beam, turn 90°		more rigid Attachment point on ceiling beams
G 2	●							●		●		558
KL	●	●	●					●		●		556
HS, WHS				●	●							564 565
M				●	●	●	●					562
AST-S									●	●		566
NM, SP	●											560 561
B 1, B 2											●	On request

Question:
Should traces of intervention be avoided?

yes: Protective clamp/friction connection

Notice on safe use



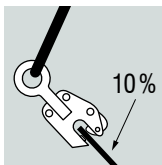
Be sure to read the operating instructions before using a clamp for the first time!



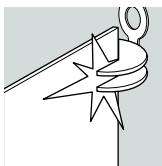
Attend our technical seminars to train your riggers and responsible persons.



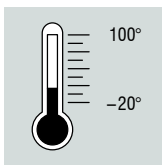
Check the clamp for functionality, damage and wear each time before use. Never use damaged, overloaded or worn clamps. Have clamps inspected by an expert at intervals of no more than one year.



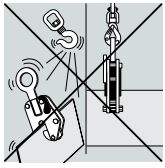
In case of vertical load clamps, the weight of the load must be at least 10% of the specified working load limit of the clamp.



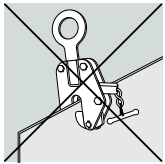
Check the surface hardness of your load. Standard clamps can be used up to 300 HB. Special hard gripping elements must be used from 300 HB to 450 HB.



Usable in a temperature range from -20 °C to $+100\text{ °C}$ (ambient or load temperature).



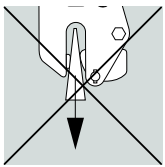
Never use hooks without a safety latch. Use safety hooks.



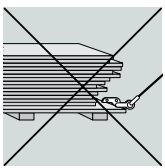
Never lift a load with an open safety latch. Always close the safety latch.



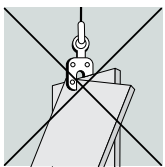
Never overload your clamps.
Always use clamps within the specified carrying capacity.



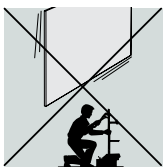
Only attach load clamps to flat-parallel surfaces.



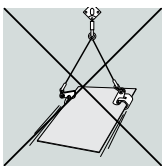
Never pull individual loads from underneath out of a stack.
Never tear off clamped loads.



Never lift more than one plate when lifting vertically!



Never lift loads over people or safety areas!



Never use too few clamps so as not to endanger the stability of the load.

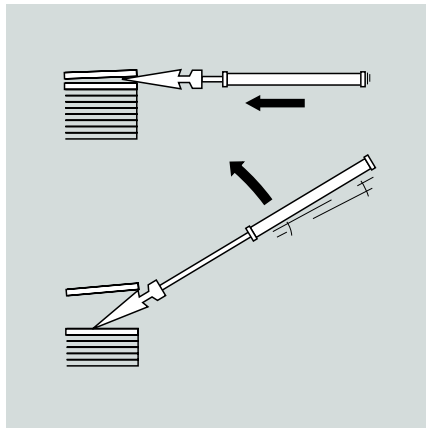
Special solutions: We make it possible

We advise you and manufacture tailor-made solutions for you.
Talk to us!

Examples:



Metal sheets stored in stacks can be lifted quickly, simply and safely for attachment with the wedge, ref. no. 121977



*Any questions?
We'll be glad to advise you*

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Spare parts

There are individual spare parts sets for all load clamp models. This means that worn or defective components can be replaced in a cost-effective way appropriate for the subassembly.

www.pfeifer.info/lifting-clamps

Take advantage of our services!

We support you with inspections for the safety and discarding time of your attachment devices.



Services

- ▶ Order scheduling
- ▶ Mobile and stationary Inspection Service
- ▶ Instant repairs
- ▶ Spare parts service
- ▶ Modern data management

Total range:

www.pfeifer.info/mobile-services



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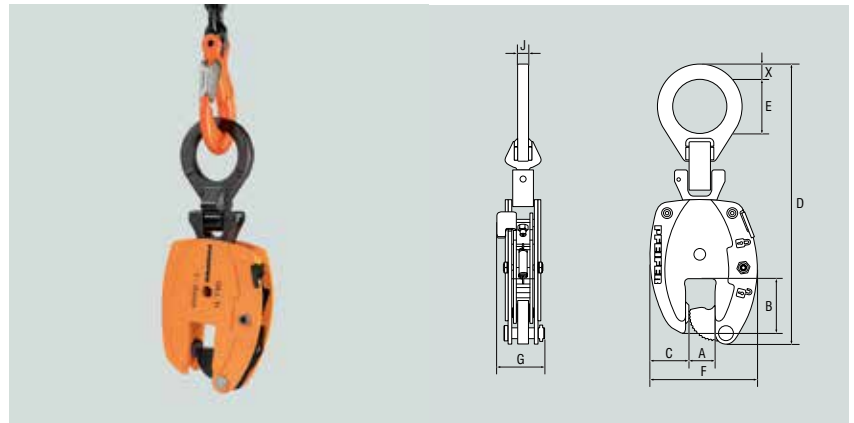
New

- ▶ Matchless – safe lifting up to an angle of 120° possible
- ▶ Stable and durable– due to the use of the latest materials
- ▶ Adaptable- due to large gripping range
- ▶ Handy- due to slim housing
- ▶ Ergonomic- due to optimised safety lever and low weight
- ▶ Individual- due to additional variants for stainless steel and extra hard sheets (from 300 HB)
- ▶ Lockable in the open and closed states- by hold-open device (open) or by securing against unintentional opening under load (closed)

Clamp Model KL

Flexible, sturdy, versatile – the new KL lifting clamp from Pfeifer sets standards.

With the KL lifting clamp, safe lifting is possible up to an angle of inclination of 120° – both when attaching at the side and lifting vertically, as well as when turning metal sheets, steel plates, beams and steel components by 180°.



SWL	max	kg	600	1000	1000	2000	2000
SWL	min	kg	60	100	100	200	200
Gripping range	A _{min}	mm	1	1	25	1	35
Gripping range	A _{max}	mm	21	26	51	35	66
Jaw depth	B	mm	50	64	64	85	85
Jaw width	C	mm	36	45	45	58	58
Overall height closed	D _{max}	mm	256	317	316	399	399
Overall length	F	mm	98	128	150	159	187
Overall width	G	mm	44	53	53	60	60
Suspension eye inner diameter	E	mm	50	60	60	80	80
Suspension eye thickness	J	mm	10	15	15	20	20
Suspension eye bar	X	mm	14	15	15	20	20
Weight	ap-prox.	kg	1,8	3,8	4,1	6,7	7,3
Reference no.			290205	290206	290207	290208	290209
clamp Model KL – extra hard							
Reference no.			313113	313114	468176	313115	468191
clamp Model KL – stainless steel							
Reference no.			313116	313117	468172	313118	468179

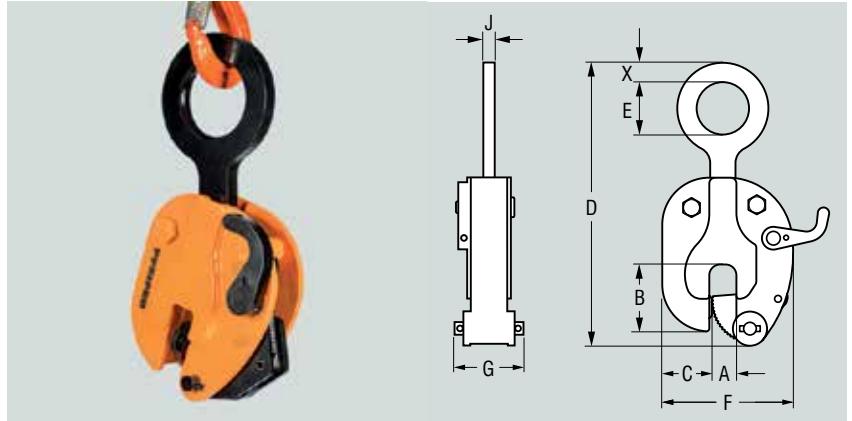
SWL	max	kg	3500	3500	5000	5000	
SWL	min	kg	350	350	500	500	
Gripping range	A _{min}	mm	1	35	5	50	
Gripping range	A _{max}	mm	36	71	51	101	
Jaw depth	B	mm	85	85	110	110	
Jaw width	C	mm	67	70	92	96	
Overall height closed	D _{max}	mm	459	466	581	590	
Overall length	F	mm	189	228	251	305	
Overall width	G	mm	85	85	105	105	
Suspension eye inner diameter	E	mm	85	85	85	85	
Suspension eye thickness	J	mm	20	20	20	20	
Suspension eye bar	X	mm	27	27	34	34	
Weight	ap-prox.	kg	12,6	13,9	22,9	25,8	
Reference no.			290210	290211	290212	290213	
clamp Model KL - extra hard							
Reference no.			437364	468207	437366	468221	
clamp Model KL - stainless steel							
Reference no.			437365	468193	437367	468219	

Lifting clamps also available for stainless steel and extra-hard sheets.
 For a max. load surface hardness of up to 300 HB (32 HRC).
 Can be used in a temperature range of -20 °C up to +100 °C (surrounding and load temperature).

- ▶ For metal sheets, steel plates, beams, structural steel components
- ▶ Extreme sturdy
- ▶ Large gripping ranges
- ▶ Lock to prevent unintentional opening under load - lockable in closed state
- ▶ Hold-open device - lockable in open state

Clamp Model G 2

Vertical lifting clamp for vertical lifting and 90° turning of sheets, steel plates, girders and structural shapes. Extremely sturdy and capable for lifts up to 100 tonnes.



SWL	max	kg	6300	6300	6300	6300	6300	10000	10000	10000	10000
SWL	min	kg	630	630	630	630	630	1000	1000	1000	1000
Gripping range	A_{min}	mm	0	25	44	64	83	0	25	51	70
Gripping range	A_{max}	mm	32	51	70	89	108	38	51	76	102
Jaw depth	B	mm	117	117	117	117	117	114	114	114	114
Jaw width	C	mm	87	87	87	87	87	84	84	84	84
Overall height closed	D_{max}	mm	495	495	495	495	495	572	572	572	572
Overall length	F	mm	243	262	281	300	320	260	273	298	324
Overall width	G	mm	121	121	121	121	121	137	137	137	137
Suspension eye inner diameter	E	mm	92	92	92	92	92	95	95	95	95
Suspension eye thickness	J	mm	19	19	19	19	19	25	25	25	25
Suspension eye bar	X	mm	34	34	34	34	34	40	40	40	40
Weight	ap-prox.	kg	18,3	19	21	24	27	32	33	35	37
Reference no.			121394	121406	121407	121409	121410	121411	121423	121424	121425

SWL	max	kg	10000	12000	12000	12000	12000	20000	20000	20000	20000
SWL	min	kg	1000	1200	1200	1200	1200	2000	2000	2000	2000
Gripping range	A _{min}	mm	95	0	51	102	140	13	76	127	178
Gripping range	A _{max}	mm	127	64	102	152	191	76	127	178	229
Jaw depth	B	mm	114	166	166	166	166	188	188	188	188
Jaw width	C	mm	84	98	98	98	98	127	127	127	127
Overall height closed	D _{max}	mm	572	711	712	713	714	900	900	900	900
Overall length	F	mm	350	345	335	433	472	432	483	534	585
Overall width	G	mm	137	168	168	168	168	216	216	216	216
Suspension eye inner diameter	E	mm	95	98	98	98	98	125	125	125	125
Suspension eye thickness	J	mm	25	45	45	45	45	64	64	64	64
Suspension eye bar	X	mm	40	36	36	36	36	47	47	47	47
Weight	ap- prox.	kg	35,3	63	65	68	73	120	133	147	155
Reference no.			121426	121427	121439	121440	121441	121442	121454	121455	121456

For a max. load surface hardness of up to 300 HB (32 HRC).
 Can be used in a temperature range of -20 °C up to +100 °C (surrounding and load temperature).

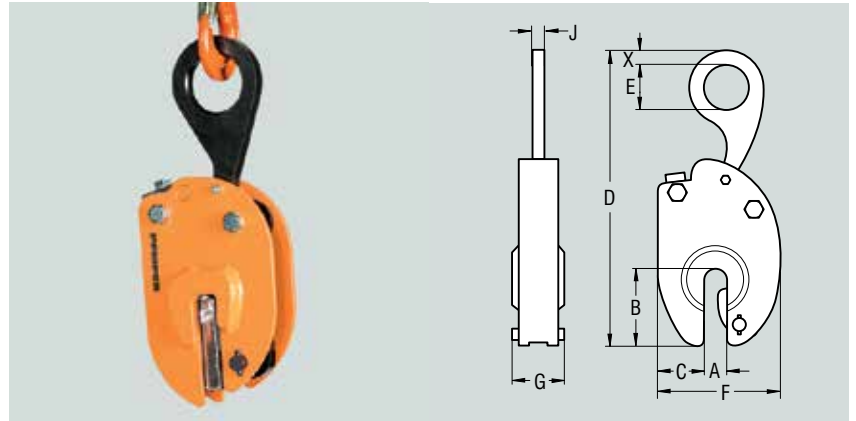
- ▶ For materials with sensitive surfaces
- ▶ Vertical lifting and 90° turning
- ▶ Large gripping ranges

Clamp Model NM

Lifting clamp with large, smooth gripping pads for metals which have sensitive surfaces or which are hard.

Suitable for the vertical lifting and 90° turning.

The jaw can be pre-adjusted to any gripping range using an adjusting screw. After attachment, the adjusting screw must be tightened. The load surfaces must be clean, dry and free of lubrication grease.



SWL	max	kg	1000	1000	2000	2000	4000	4000	4000
Gripping range	A _{min}	mm	0	19	0	19	6	40	76
Gripping range	A _{max}	mm	19	32	25	38	40	72	108
Jaw depth	B	mm	116	116	131	131	137	137	137
Jaw width	C	mm	64	64	80	80	75	75	75
Overall height closed	D _{max}	mm	346	346	406	406	470	470	470
Overall length	F	mm	150	162	171	186	204	235	266
Overall width	G	mm	79	79	90	90	114	114	114
Suspension eye inner diameter	E	mm	60	60	80	80	75	75	75
Suspension eye thickness	J	mm	16	16	16	19	25	25	25
Suspension eye bar	X	mm	19	19	17	17	23	23	23
Weight	ap-prox.	kg	8	9	10,3	11	20,5	23	25
Reference no.			121550	121563	121567	121579	121584	121596	121598

The NM clamps is also available with gripping elements from stainless steel.

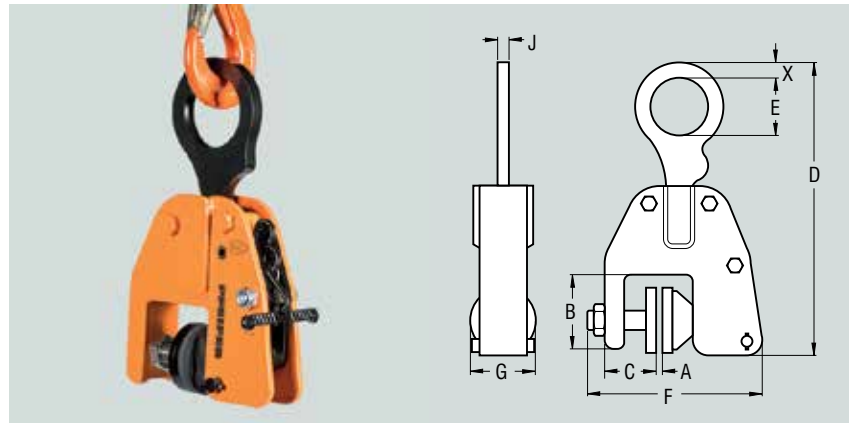
Can be used in a temperature range of -20 °C up to +100 °C (surrounding and load temperature).

- ▶ For materials with sensitive surfaces
- ▶ Vertical lifting and 90° turning
- ▶ Large gripping ranges

Clamp Model SP

Suitable for the lifting and 90° turning of materials with sensitive surfaces (stainless steel, plastic and particle boards etc. – not for polished surfaces!).

The specially coated gripping pads can be continuously adjusted with an adjusting screw.



SWL	max	kg	300	300
Gripping range	A _{min}	mm	0	6
Gripping range	A _{max}	mm	30	45
Jaw depth	B	mm	75	75
Jaw width	C	mm	74	74
Overall height closed	D _{max}	mm	290	290
Overall length	F	mm	185	195
Overall width	G	mm	65	65
Suspension eye inner diameter	E	mm	60	60
Suspension eye thickness	J	mm	12	12
Suspension eye bar	X	mm	16	16
Weight	ap-prox.	kg	4,7	4,5
Reference no.			121366	121367

Can be used in a temperature range of -20 °C up to +100 °C (surrounding and load temperature).

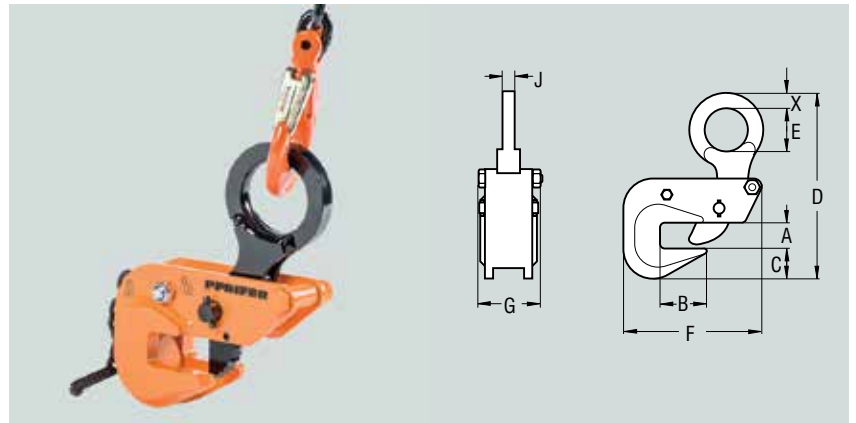
- ▶ For inherently stable and sagging sheets, sheet packets, beams, structural steel components
- ▶ Lock to prevent unintentional opening under load - lockable in closed state
- ▶ Large gripping ranges
- ▶ Highly versatile in use
- ▶ High load capacity and wear resistance

Clamp Model M

Horizontal lifting clamp for both dimensionally stable and thin sagging metal sheets.

Also suitable for lifting sheet stacks and profiles.

The wide, split lower jaw is particularly suitable for gripping steel girders, regardless of whether from the side or the end.



SWL	max	kg	500	500	1000	1000	1000	2000	2000
Gripping range	A_{\min}	mm	0	19	0	19	32	0	25
Gripping range	A_{\max}	mm	25	38	25	38	51	32	51
Jaw depth	B	mm	59	59	64	64	64	81	81
Jaw width	C	mm	37	37	48	48	48	51	51
Overall height closed	D_{\max}	mm	224	233	242	261	274	304	329
Overall length	F	mm	180	180	207	207	207	273	273
Overall width	G	mm	70	70	80	80	80	108	108
Suspension eye inner diameter	E	mm	57	57	57	57	57	78	78
Suspension eye thickness	J	mm	16	16	16	16	16	20	20
Suspension eye bar	X	mm	17	17	17	17	17	20	20
Weight	ap-prox.	kg	3,38	4	5	5	6	9,7	10
Reference no.			121457	121468	121469	121481	121482	121483	121495

SWL	max	kg	2000	4000	4000	4000	8000	8000	8000
Gripping range	A _{min}	mm	44	0	32	57	0	44	83
Gripping range	A _{max}	mm	70	38	64	89	51	89	127
Jaw depth	B	mm	81	93	93	97	125	125	125
Jaw width	C	mm	51	71	71	71	102	102	12
Overall height closed	D _{max}	mm	348	363	395	395	496	540	578
Overall length	F	mm	273	307	307	307	440	440	440
Overall width	G	mm	108	130	130	111	150	150	150
Suspension eye inner diameter	E	mm	78	92	92	92	102	102	102
Suspension eye thickness	J	mm	20	25	25	25	51	51	51
Suspension eye bar	X	mm	20	24	24	24	35	35	35
Weight	ap-prox.	kg	11	16	17	19	44	45	50
Reference no.			121496	121497	121509	121510	121511	121522	121523

For a max. load surface hardness of up to 300 HB (32 HRC).

Can be used in a temperature range of -20 °C up to +100 °C (surrounding and load temperature).

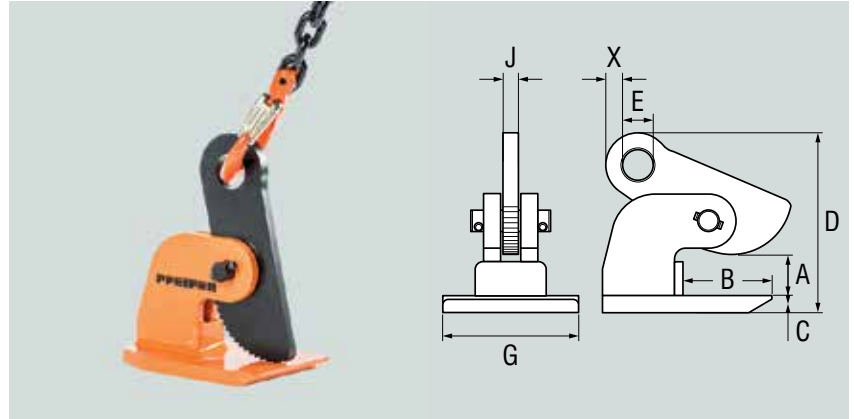
- ▶ For sheets, bundles of sheets, steel plates
- ▶ Large gripping ranges

Options

- ▶ **Additional options:** With suitable slings on request

Clamp Model HS

Horizontal lifting clamp for handling inherently stacked bundles of sheets and steel plates.



SWL	max	kg	250	500	750	1500	3000	4000
Gripping range	A_{\min}	mm	0	0	0	0	0	0
Gripping range	A_{\max}	mm	25	51	51	51	51	65
Jaw depth	B	mm	60	100	105	105	105	159
Jaw width	C	mm	10	15	15	20	50	59
Overall height closed	D_{\max}	mm	113	187	200	200	235	285
Overall width	G	mm	60	130	160	160	160	165
Suspension eye inner diameter	E	mm	26	36	36	36	36	40
Suspension eye thickness	J	mm	12	12	20	20	20	25
Suspension eye bar	X	mm	10	20	20	20	20	28
Weight	ap-prox.	kg	2	6,5	8,7	10	11	19
Reference no.			274490	274269	274270	274271	274272	274273

The lifting clamps are fastened to suitable slings (which we also supply on request) and attached at three or more points on the load being handled.

For a max. load surface hardness of up to 300 HB (32 HRC).

Can be used in a temperature range of -20 °C up to +100 °C (surrounding and load temperature).

- ▶ For sheets, bundles of sheets, steel plates
- ▶ Very large gripping range

Options

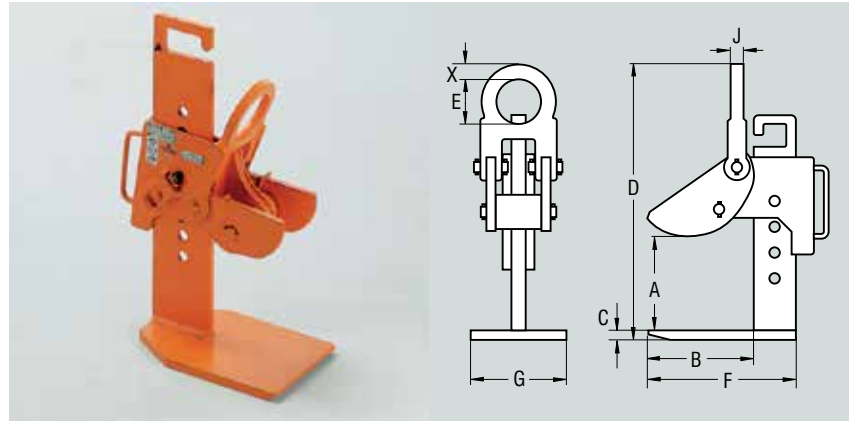
- ▶ **Additional options:** With suitable slings on request

Clamp Model WHS

High-performance horizontal load clamp for transporting dimensionally stable sheets and sheet stacks.

Their special advantage: With one pin, the gripping range can be changed quickly from 0 to a maximum of 406 mm.

Integral springs hold the gripping cams open and make attachment easier.



SWL	max	kg	500	500	500	1500	1500	1500
Gripping range	A _{min}	mm	0	0	0	0	0	0
Gripping range	A _{max}	mm	152	305	406	152	305	406
Jaw depth	B	mm	197	205	205	197	205	205
Jaw width	C	mm	16	16	16	20	20	20
Overall height closed	D _{max}	mm	510	740	845	540	767	870
Overall length	F	mm	275	330	330	275	330	330
Overall width	G	mm	213	213	213	213	213	213
Suspension eye inner diameter	E	mm	89	89	89	59	89	89
Suspension eye thickness	J	mm	16	16	16	16	16	16
Suspension eye bar	X	mm	20	20	20	20	20	20
Weight	ap-prox.	kg	20	28	29	29	40	46
Reference no.			121853	121865	121866	121867	121879	121880

The lifting clamps are fastened to suitable slings (which we also supply on request) and attached at three or more points on the load being handled.

For a max. load surface hardness of up to 300 HB (32 HRC).

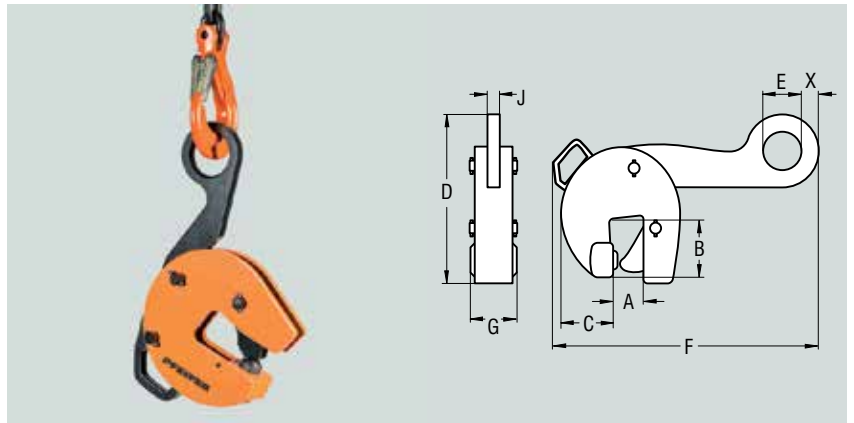
Can be used in a temperature range of -20 °C up to +100 °C (surrounding and load temperature).

- ▶ For turning girders
- ▶ Automatically re-locking safety mechanism.

Clamp Model AST-S

Lifting/turning clamp with serrated gripping cams and safety device, lock-closed feature.

Holds the girder almost horizontally in both directions. It facilitates the turning process when the lifting shackle is arranged outside the girder.



SWL	max	kg	500	1500	3000
Gripping range	A_{min}	mm	0	0	0
Gripping range	A_{max}	mm	19	19	38
Jaw depth	B	mm	83	80	120
Jaw width	C	mm	69	74	130
Overall height closed	D_{max}	mm	204	276	500
Overall length	F	mm	292	350	380
Overall width	G	mm	41	58	68
Suspension eye inner diameter	E	mm	44	60	95
Suspension eye thickness	J	mm	13	16	20
Suspension eye bar	X	mm	11	16	21
Weight	ap-prox.	kg	4	9	24
Reference no.			190904	190920	190923

For a max. load surface hardness of up to 300 HB (32 HRC).
Can be used in a temperature range of -20 °C up to +100 °C (surrounding and load temperature).

Grippers

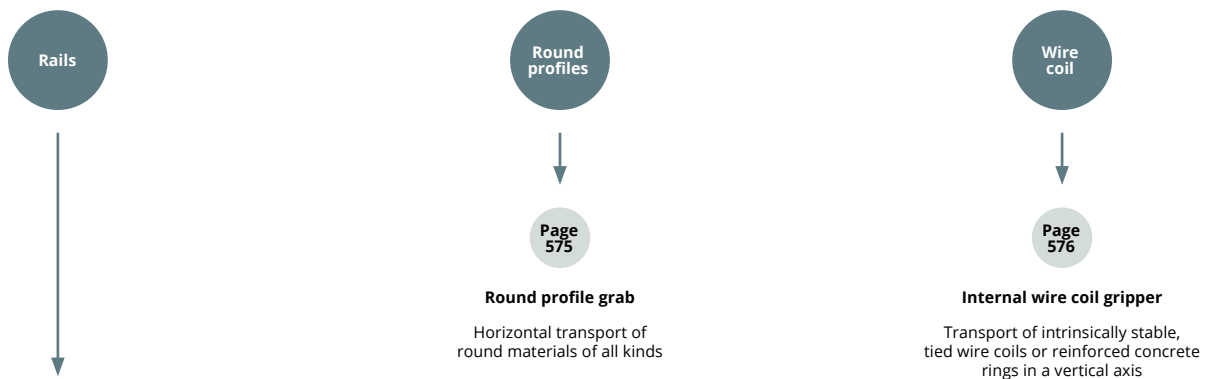
Our grippers enable the safe lifting of a wide variety of rails and round profiles.

Each gripper is manufactured at the headquarters in Memmingen!

Selection aid: Which clamp is the right one for my application?

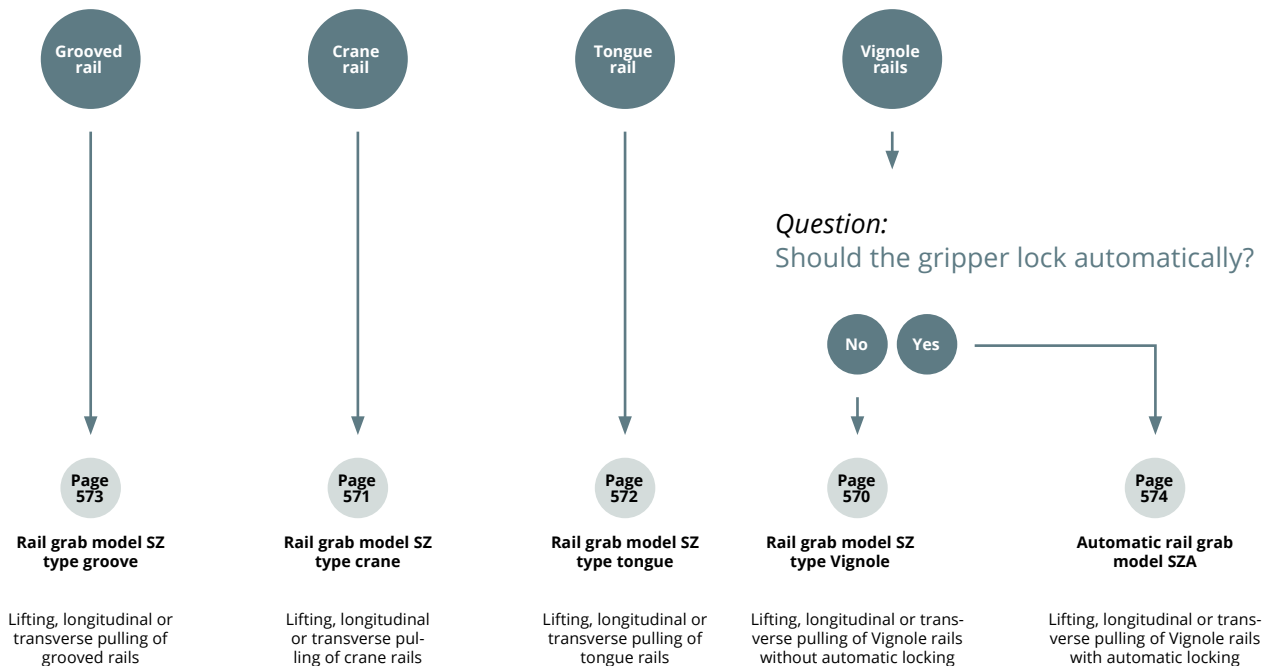
Question:

What kind of load is to be transported?



Question:

What type of rail is to be transported?



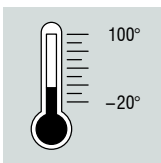
Notice on safe use



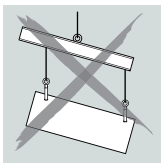
Be sure to read the operating instructions before using a gripper for the first time!



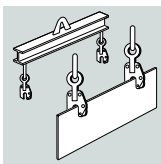
Attend our technical seminars to train your riggers and responsible persons.



Usable in a temperature range from -20 °C to $+100\text{ °C}$ (ambient or load temperature).



Always attach the gripper above the centre of gravity of the load.



With longer loads we recommend the use of at least two clamps/grippers in the two-leg suspension gear or on a spreader beam.

Take advantage of our services!

We support you with inspections for the safety and discarding time of your attachment devices.



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- ▶ Order scheduling
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Total range:

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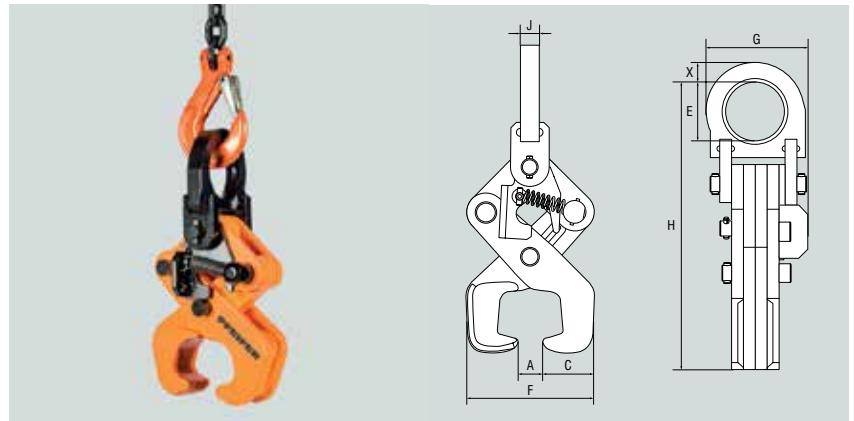
info@pfeifer-sogequip.lu
+352 57 42-42

New

- ▶ For rails 49E1, 49E5, 60E1, 50E4, 50E6A2
- ▶ Lateral load, parallel shear pull possible
- ▶ Lock to prevent unintentional opening under load - lockable in closed state
- ▶ Hold-open device - lockable in open state

Rail grab Model SZ – Vignole rail

For lifting and pulling rails lengthways and crossways. Safety device with double function: For holding open and locking under load in order to hold rails securely, even when they are overturning, i. e. the grab cannot open accidentally.



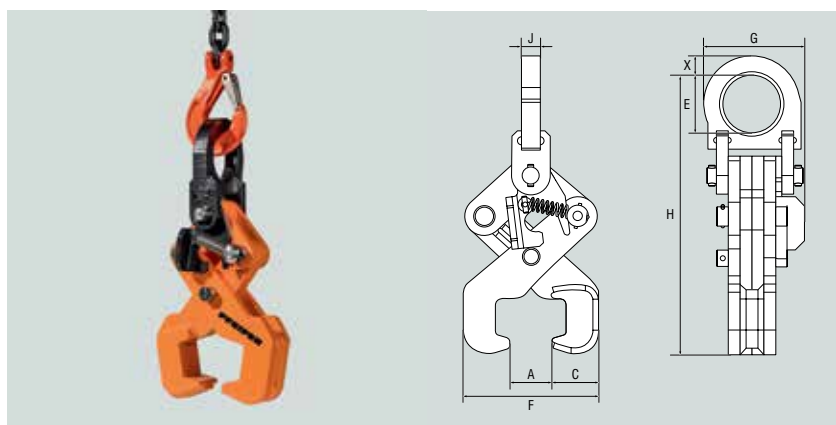
SWL max		kg	2000	4000
For rail size			49E1, 49E5, 60E1, 50E4, 50E6A2	49E1, 49E5, 60E1, 50E4, 50E6A2
Gripping range	A _{min}	mm	13	65
Gripping range	A _{max}	mm	94	75
Jaw depth	C	mm	52	80
Suspension eye inner diameter	E	mm	60	76
Overall length open	F	mm	187	350
Overall width	G	mm	107	150
Construction height Open	H _{min}	mm	236	320
Construction height closed	H _{max}	mm	310	410
Suspension eye thickness	J	mm	20	25
Suspension eye bar	X	mm	21	31
Weight approx.		kg	7,2	22
Reference no.			322512	114062

Can be used in a temperature range of -20 °C up to +100 °C (surrounding and load temperature).

- ▶ For rails A45, A55, A65, A75, A100, A120, A150
- ▶ Lateral load, parallel shear pull possible
- ▶ Lock to prevent unintentional opening under load – lockable in closed state
- ▶ Hold-open device – lockable in open state

Rail grab Model SZ – Crane rail

For lifting and pulling rails lengthways and crossways. Safety device with double function: For holding open and locking under load in order to hold rails securely, even when they are overturning, i. e. the grab cannot open accidentally.

New


SWL max		kg	2000	2000	2000	2000	2000
For rail size			A45	A55	A65, A75	A100, A120	A150
Gripping range	A _{min}	mm	8	9	17	36	69
Gripping range	A _{max}	mm	62	74	101	144	179
Jaw depth	C	mm	45	48	49	64	62
Suspension eye inner diameter	E	mm	60	60	60	60	60
Overall length open	F	mm	140	158	190	262	292
Overall width	G	mm	107	107	107	107	107
Construction height Open	H _{min}	mm	212	222	238	260	258
Construction height closed	H _{max}	mm	278	291	315	347	351
Suspension eye thickness	J	mm	20	20	20	20	20
Suspension eye bar	X	mm	21	21	21	21	21
Weight approx.		kg	6,3	6,6	7,2	8,8	9,2
Reference no.			470095	393125	393140	393177	393156

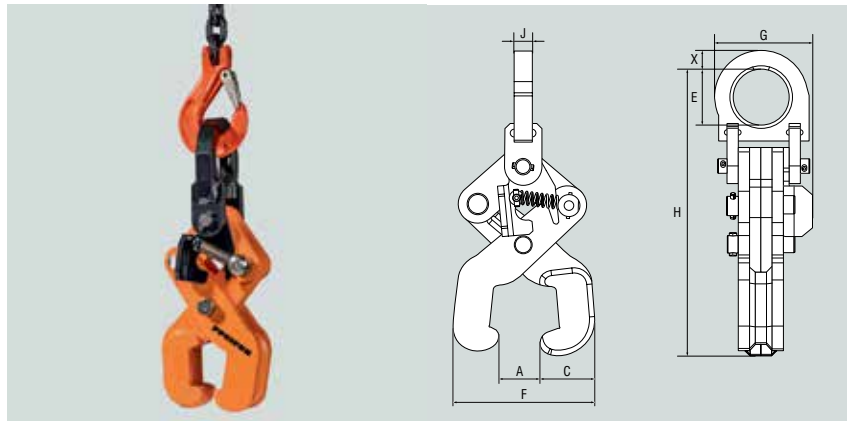
Can be used in a temperature range of -20 °C up to +100 °C (surrounding and load temperature).

New

- ▶ For rails 54E1A2, 49E1A1, 49E1A2, 60E1A2, 54E1A1
- ▶ Lateral load, parallel shear pull possible
- ▶ Lock to prevent unintentional opening under load - lockable in closed state
- ▶ Hold-open device - lockable in open state

Rail grab Model SZ – Tongue rail

For lifting and pulling rails lengthways and crossways. Safety device with double function: For holding open and locking under load in order to hold rails securely, even when they are overturning, i. e. the grab cannot open accidentally.



SWL max		kg	2000
For rail size			54E1A2, 49E1A1, 49E1A2, 60E1A2, 54E1A1
Gripping range	A _{min}	mm	13
Gripping range	A _{max}	mm	111
Jaw depth	C	mm	63
Suspension eye inner diameter	E	mm	60
Overall length open	F	mm	209
Overall width	G	mm	107
Construction height Open	H _{min}	mm	261
Construction height closed	H _{max}	mm	335
Suspension eye thickness	J	mm	20
Suspension eye bar	X	mm	21
Weight approx.		kg	8,1
Reference no.			393040

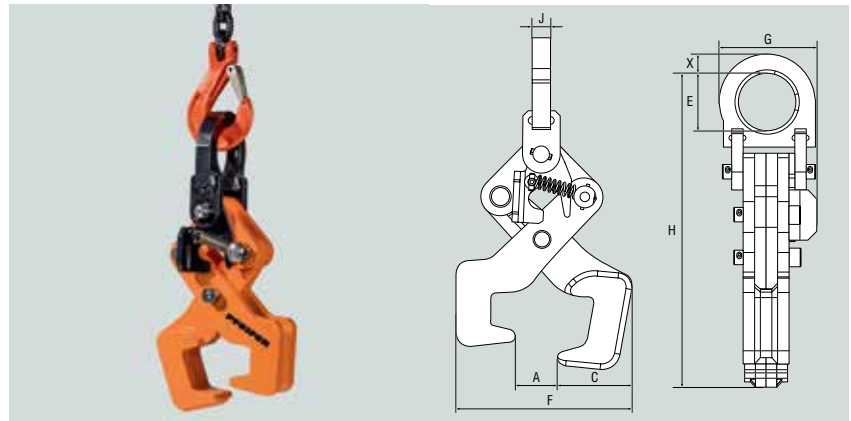
Can be used in a temperature range of -20 °C up to +100 °C (surrounding and load temperature).

New

- ▶ For rails 60R1, 59R1, 54G2, 60R3, 75C1
- ▶ Lateral load, parallel shear pull possible
- ▶ Lock to prevent unintentional opening under load - lockable in closed state
- ▶ Hold-open device - lockable in open state

Rail grab Model SZ – Grooved rail

For lifting and pulling rails lengthways and crossways. Safety device with double function: For holding open and locking under load in order to hold rails securely, even when they are overturning, i. e. the grab cannot open accidentally.



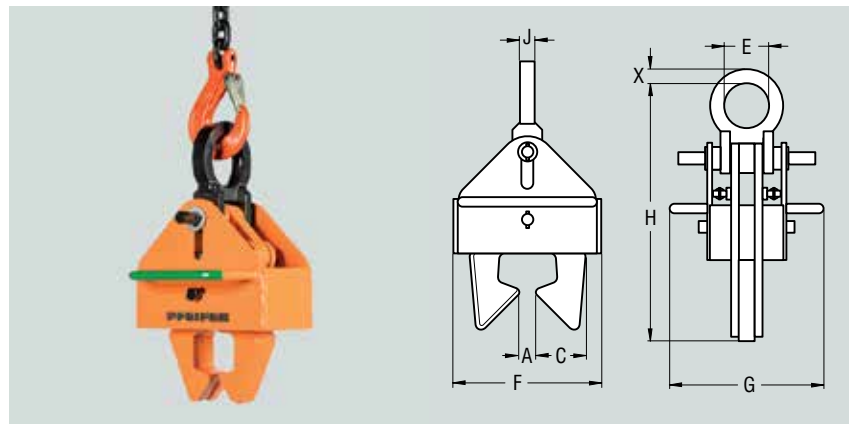
SWL max		kg	2000
For rail size			60R1, 59R1, 54G2, 60R3, 75C1
Gripping range	A _{min}	mm	27
Gripping range	A _{max}	mm	133
Jaw depth	C	mm	67
Suspension eye inner diameter	E	mm	60
Overall length open	F	mm	255
Overall width	G	mm	107
Construction height Open	H _{min}	mm	272
Construction height closed	H _{max}	mm	353
Suspension eye thickness	J	mm	20
Suspension eye bar	X	mm	21
Weight approx.		kg	8,8
Reference no.			393009

Can be used in a temperature range of -20 °C up to +100 °C (surrounding and load temperature).

- ▶ For rails 49E1, 49E5, 60E1, 50E4, 50E6A2
- ▶ Automatic lock
- ▶ Lateral load, parallel shear pull possible
- ▶ Complies with TBG requirements

Automatic rail grab Model SZA – Vignol rail

For lifting and pulling rails lengthways and crossways. After placing the grab on the load, it locks automatically (in compliance with TBG requirements).



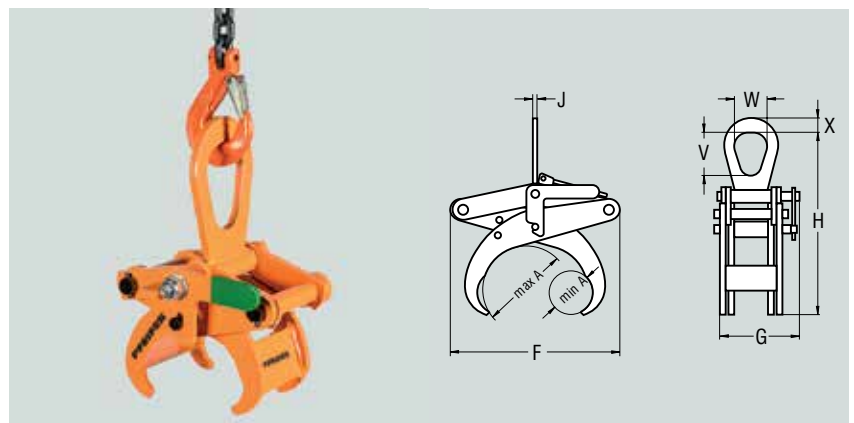
SWL max		kg	2000	4000
For rail size			49E1, 49E5, 60E1, 50E4, 50E6A2	49E1, 49E5, 60E1, 50E4, 50E6A2
Gripping range	A _{min}	mm	65	65
Gripping range	A _{max}	mm	75	75
Jaw depth	C	mm	85	90
Suspension eye inner diameter	E	mm	60	65
Overall length open	F	mm	200	200
Overall width	G	mm	210	230
Construction height Open	H _{min}	mm	270	285
Construction height closed	H _{max}	mm	350	365
Suspension eye thickness	J	mm	20	25
Suspension eye bar	X	mm	20	23
Weight approx.		kg	12	17
Reference no.			178196	185063

Can be used in a temperature range of -20 °C up to +100 °C (surrounding and load temperature).

- ▶ For round materials of all kinds
- ▶ 4-point clamping
- ▶ Lock to prevent unintentional opening under load - lockable in closed state
- ▶ Hold-open device - lockable in open state

Rod and bar grab

For horizontal transport of round materials of all kinds. Heavy-duty double-scissor design with safety latch. Very small external footprint thanks to a new internal contour whose 4-point clamping prevents the load from seesawing. Self-acting latched hold-open lever, locking spring stirrup with handle for securing the grab against opening accidentally when the load on the grab is released. For design-related reasons, grabs with part no. 114040 and 114049 are supplied without safety device.



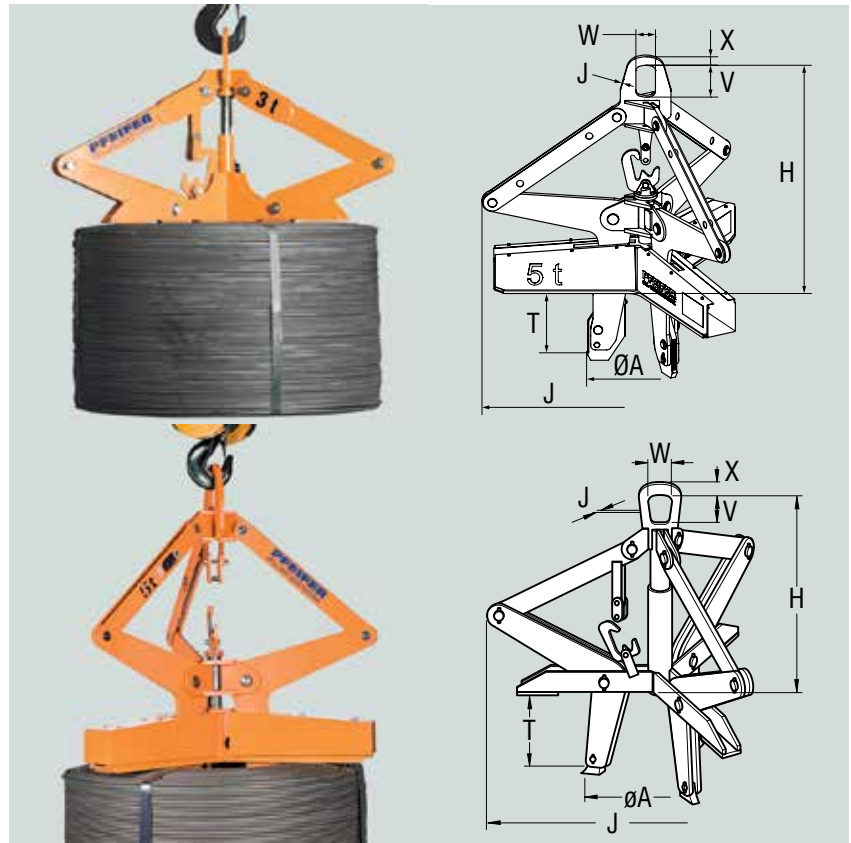
SWL max		kg	500	500	500	1000	1000	2000	2000
Gripping range	A_{min}	mm	50	100	200	100	200	150	300
Gripping range	A_{max}	mm	100	200	400	200	400	300	600
Overall length open	F	mm	220	400	740	400	740	620	1130
Overall width	G	mm	210	210	224	216	230	235	235
Construction height Open	H_{min}	mm	300	430	730	430	730	610	1030
Construction height closed	H_{max}	mm	410	630	1100	630	1110	895	1590
Suspension eye thickness	J	mm	10	10	10	10	10	15	15
Suspension eye inner height	V	mm	100	100	122	100	122	122	122
Suspension eye internal width	W	mm	77	77	80	77	80	80	80
Suspension eye bar	X	mm	31	31	40	31	40	40	40
Weight approx.		kg	8,23	17,5	39	21,22	48	56	115
Reference no.			114040	114041	114043	114045	114046	114048	114049

Can be used in a temperature range of -20 °C up to +100 °C (surrounding and load temperature).

- ▶ Ideal for the coil weights and internal coil diameters available on the market
- ▶ Closes under load with automatic stepping mechanism
- ▶ Sturdy lever construction with interchangeable gripping jaws made of highly wear-resistant special structural steel
- ▶ 5t execution: Increase of the gripping range possible by simple re-pinning from to 650 to 950 mm

Wire coil grab

Wire coil grab for safe and protective transport of inherent, bundled wire coils and concrete steel rings in vertical axis.



SWL max		kg	3000	5000
Gripping range	A_{min}	mm	550	500
Gripping range	A_{max}	mm	700	950
Construction height Open	H_{min}	mm	640	1000
Construction height closed	H_{max}	mm	960	1450
Immersion depth	T	mm	230	310
Suspension eye thickness	J	mm	20	20
Suspension eye inner height	V	mm	105	150
Suspension eye internal width	W	mm	82	85
Suspension eye bar	X	mm	35	40
Weight approx.		kg	110	320
Reference no.			252265	278608

Not permissible for smooth reinforcing wire B500A-G!
An appropriate cross bar is available for transport by fork-lift truck.

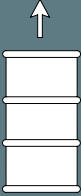


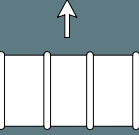

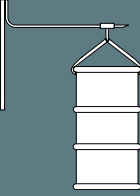
Drum handling equipment

Our drum handling equipment enable the simple and safe lifting of a wide variety of drums and are suitable for all common applications:

- Transport by crane hook or fork-lift truck
- Load holder for upright or lying barrels
- for steel or plastic drums

Every device is manufactured at the headquarters in Memmingen

Selection aid: Which device is the right one for my application?

							Page
Drum gripper	•				•	•	583
Clamping claw gripper for plastic drums		•			•		584
Clamping claw gripper for steel drums	•				•		585
Drum grab	•				•		580
Drum grab				•			579
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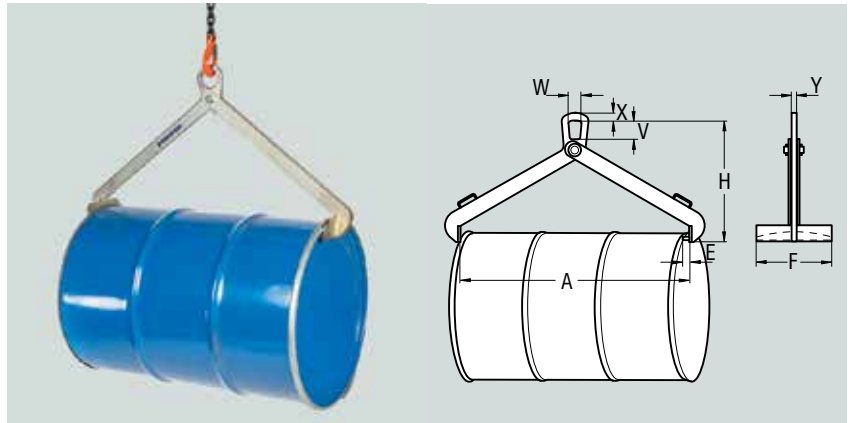
- ▶ Large gripping ranges
- ▶ Low dead weight

Options

- ▶ **Additional options:** with hold-open device or stepping mechanism

Drum grab for lying drums

For horizontal, inherently stable metal drums with rim.
 Perfect for picking up horizontally positioned 200-l steel drums with tight heads and steel drums with lids



SWL max		kg	500
Load length	A _{min}	mm	650
Load length	A _{max}	mm	950
Gripping depth	C	mm	20
Overall length	F	mm	1055
Overall width	G	mm	190
Construction height	H _{min}	mm	615
Suspension eye thickness	J	mm	10
Suspension eye inner height	V	mm	60
Suspension eye internal width	W	mm	60
Suspension eye bar	X	mm	15
Weight approx.		kg	8,5
Reference no.			114173

- ▶ Large gripping ranges
- ▶ Low dead weight

Options

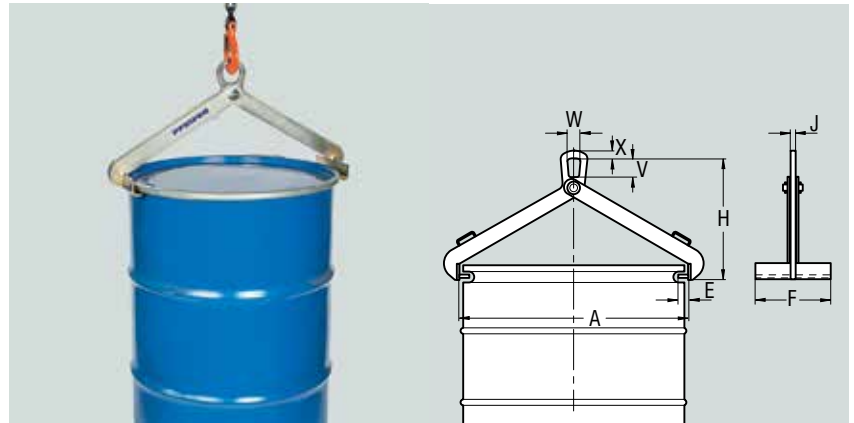
- ▶ **Additional options:** with hold-open device or stepping mechanism

Drum grab for standing drums

For upright, inherently stable metal and L-ring plastic drums with lid and rim.

Also suitable for use with tightly stacked drums.

Perfect for picking up upright 200-l steel drums with tight heads and steel drums with lids.

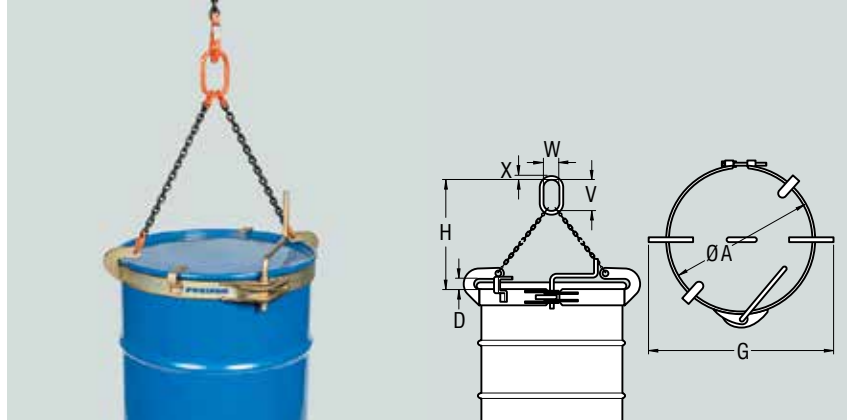


SWL max		kg	500
Load diameter	A _{min}	mm	390
Load outer diameter max	A _{max}	mm	650
Gripping depth	C	mm	35
Overall length	F	mm	750
Overall width	G	mm	200
Construction height	H _{min}	mm	420
Suspension eye thickness	J	mm	10
Suspension eye inner height	V	mm	50
Suspension eye internal width	W	mm	50
Suspension eye bar	X	mm	15
Weight approx.		kg	5
Reference no.	114172		

- ▶ Infinitely adjustable gripping range
- ▶ Locking device

Drum lifting clamp

Clamp undergripping at the lower drum edge for lifting upright, inherent metal drums with rim (with or without lid). The steel collar is fitted around the drum by a pivot lever. The gripping diameter can be altered by an adjusting screw.

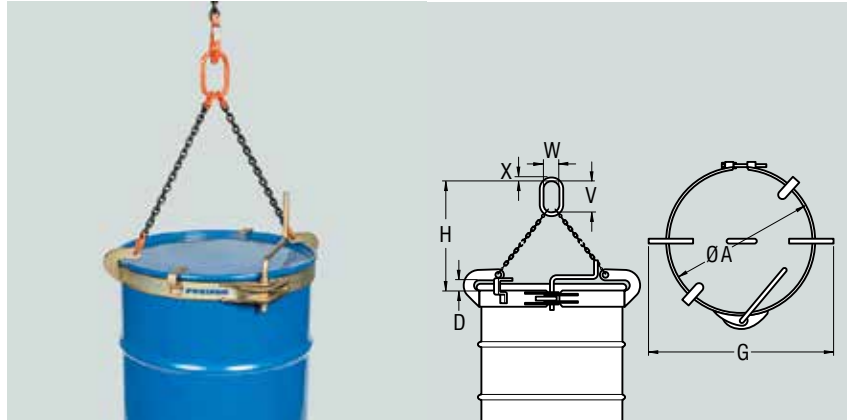


SWL max		kg	800
Load diameter	A_{min}	mm	390
Load outer diameter max	A_{max}	mm	415
Inner height	D	mm	25
Overall width	G	mm	520
Construction height	H_{min}	mm	650
Suspension eye inner height	V	mm	100
Suspension eye internal width	W	mm	90
Suspension eye bar	X	mm	21
Weight approx.		kg	9
Reference no.			121921

- ▶ Infinitely adjustable gripping range
- ▶ Locking device

Drum lifting clamp for large diameter

Clamp undergripping at the lower drum edge for lifting upright, inherent metal drums with rim (with or without lid). The steel collar is fitted around the drum by a pivot lever. The gripping diameter can be altered by an adjusting screw.



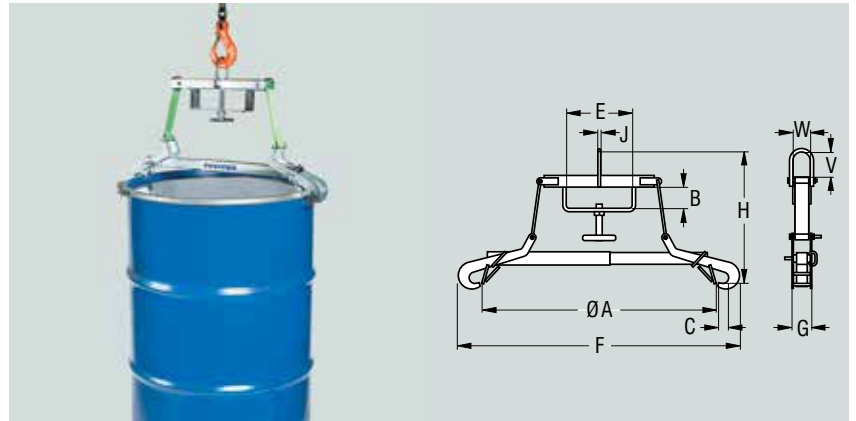
SWL max		kg	800
Load diameter	A_{\min}	mm	560
Load outer diameter max	A_{\max}	mm	610
Inner height	D	mm	25
Overall width	G	mm	520
Construction height	H_{\min}	mm	650
Suspension eye inner height	V	mm	100
Suspension eye internal width	W	mm	90
Suspension eye bar	X	mm	21
Weight approx.		kg	9
Reference no.	121923		

- ▶ Adjustable gripping range
- ▶ Can be picked up by fork-lift truck

Drum gripper

For transport of vertical inherently stable steel drums (with lid) and L-ring plastic drums.

Perfect for picking up upright 200-l steel drums with tight heads and steel drums with lids.



SWL max		kg	250
Load diameter	A_{min}	mm	420
Load outer diameter max	A_{max}	mm	640
Prong gap inner height	B	mm	60
Prong gap internal width	E	mm	185
Overall length	F	mm	520
Overall width	G	mm	56
Construction height	H_{min}	mm	410
Suspension eye thickness	J	mm	8
Suspension eye inner height	V	mm	65
Suspension eye internal width	W	mm	50
Weight approx.		kg	4,4
Reference no.			173981

- ▶ Locking device
- ▶ 4-point clamping system
- ▶ Simple one-hand operation

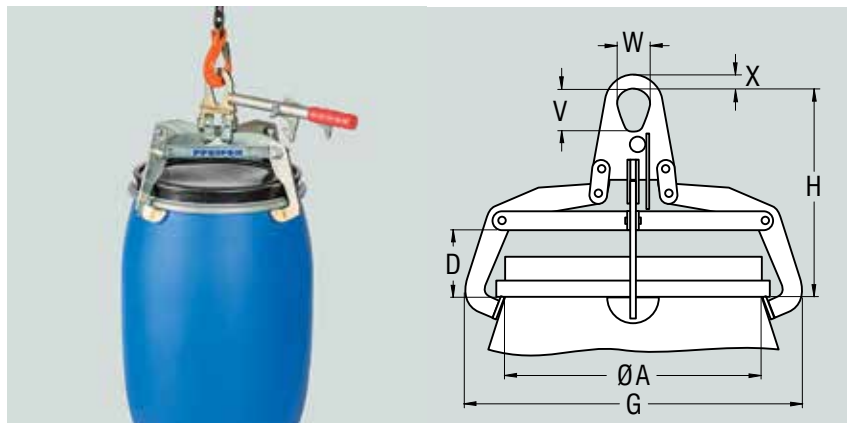
Clamp claw gripper for plastic drums

Mechanically working four-arm grab for lifting upright, inherently stable drums.

For transporting vertical standard plastic drums 120 l with high or low lids.

Simple one-hand operation by horizontal guiding tube and self-locking safety catch.

Unlocking by releasing the safety catch at the horizontal guiding tube.



SWL max		kg	360
Load diameter	A_{min}	mm	390
Load outer diameter max	A_{max}	mm	450
Inner height	D	mm	110
Overall width	G	mm	535
Construction height	H_{min}	mm	280
Suspension eye inner height	V	mm	70
Suspension eye internal width	W	mm	50
Suspension eye bar	X	mm	20
Weight approx.		kg	8
Reference no.	179947		

- ▶ Locking device
- ▶ 4-point clamping system
- ▶ Simple one-hand operation

Options

- ▶ **Additional options:** Version for plastic drums

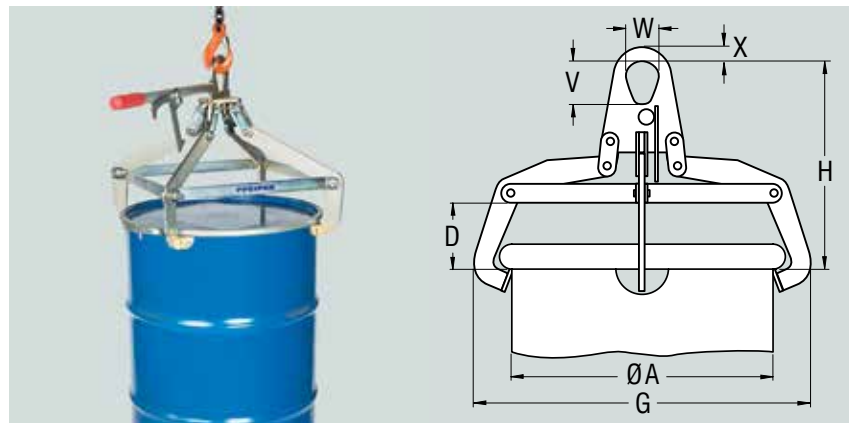
Clamp claw gripper for steel drums

Mechanically working four-arm grab for lifting upright, inherently stable drums.

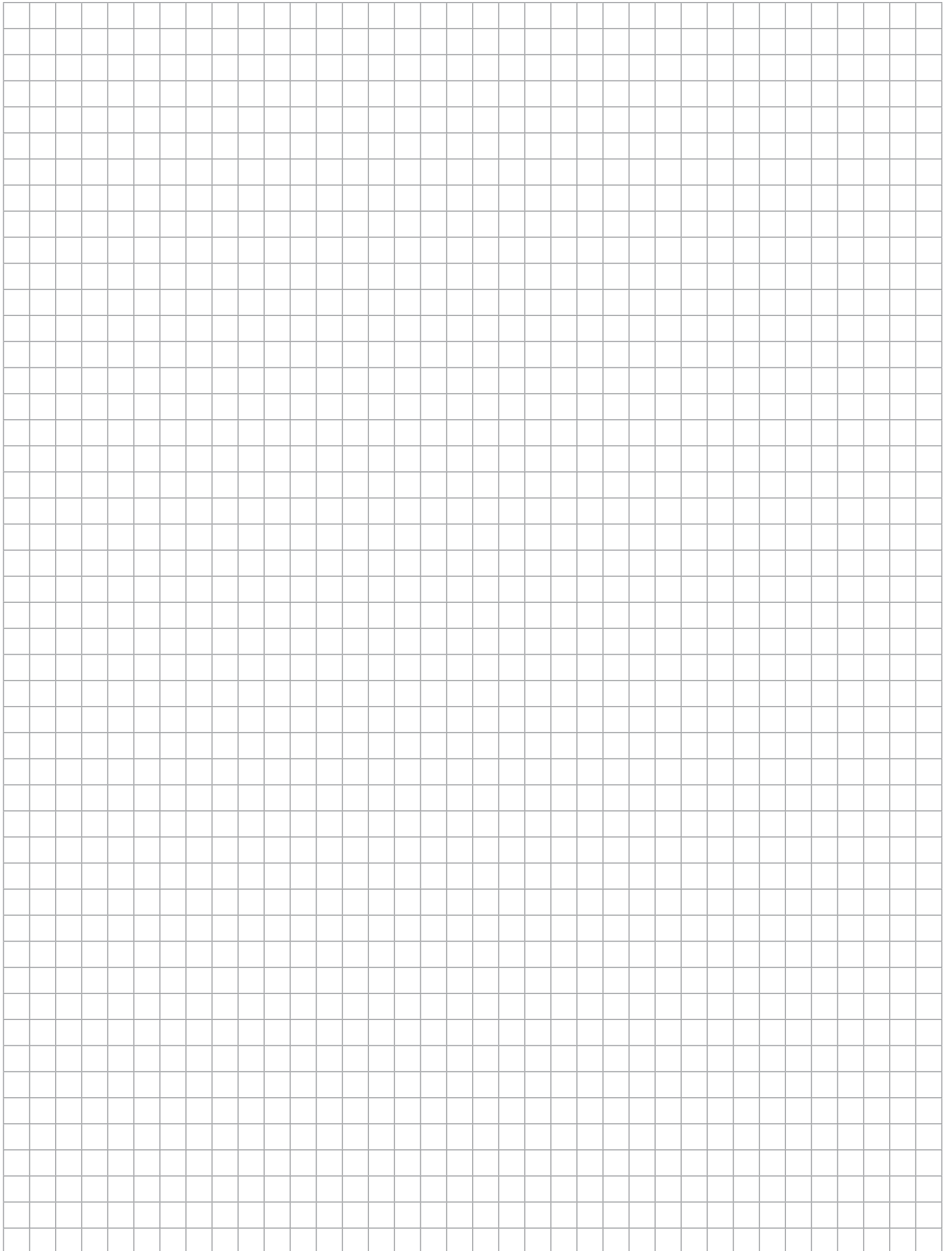
For vertical standard metal drums 200 l with lid.

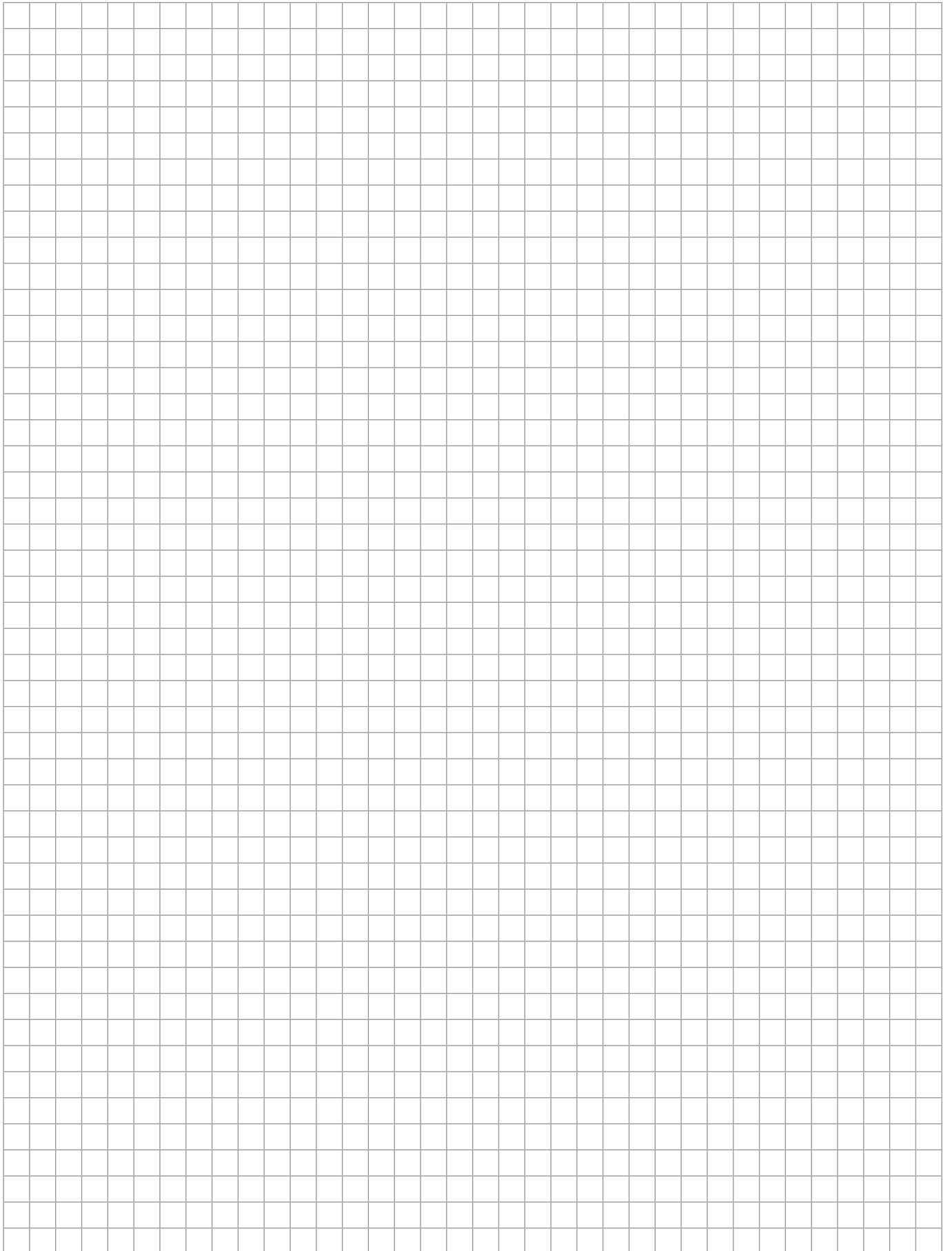
Simple one-hand operation by horizontal guiding tube and self-locking safety catch.

Unlocking by releasing the safety catch at the horizontal guiding tube.



SWL max		kg	800
Load diameter	A_{min}	mm	570
Load outer diameter max	A_{max}	mm	630
Inner height	D	mm	102
Overall width	G	mm	735
Construction height	H_{min}	mm	450
Suspension eye inner height	V	mm	85
Suspension eye internal width	W	mm	60
Suspension eye bar	X	mm	25
Weight approx.		kg	14
Reference no.	212863		





A low-angle photograph of a worker in a high-visibility yellow-green vest and black safety harness working on a structure of thick black cables against a clear blue sky. The worker is positioned in the lower center of the frame, reaching up towards the cables. The cables crisscross the sky, creating a grid-like pattern. The worker's gear includes a helmet and various safety attachments. The overall scene conveys a sense of height and industrial safety.

Made for all those who want to reach high.

Safety in the workplace is paramount. Especially if the workplace can also lie at a height of 15 m. That's why we have the right professional protective equipment against falls from a height. Carefully selected and tested for everyday use and emergencies.

Fall protection equipment

Fall protection equipment

Maximum safety with fall protection equipment from PFEIFER! According to the statistics, falls are among the most frequent causes of death at the workplace. It is thus all the more important to adequately protect oneself and ones employees using suitable personal fall protection equipment and also to check this equipment regularly. PFEIFER supports you with an extensive range so that you are also on the safe side when working in high workplaces.

Assortment

All information about our product range of fall-protection equipment can be found at: www.pfeifer.info/psa



Safety harnesses, safety belts and accessories



Connecting devices



Lowering devices, climbing devices and rescue devices



Attachment points and attachment aids



Sets for fall protection and rescue



Storage options and other accessories



Snap hook

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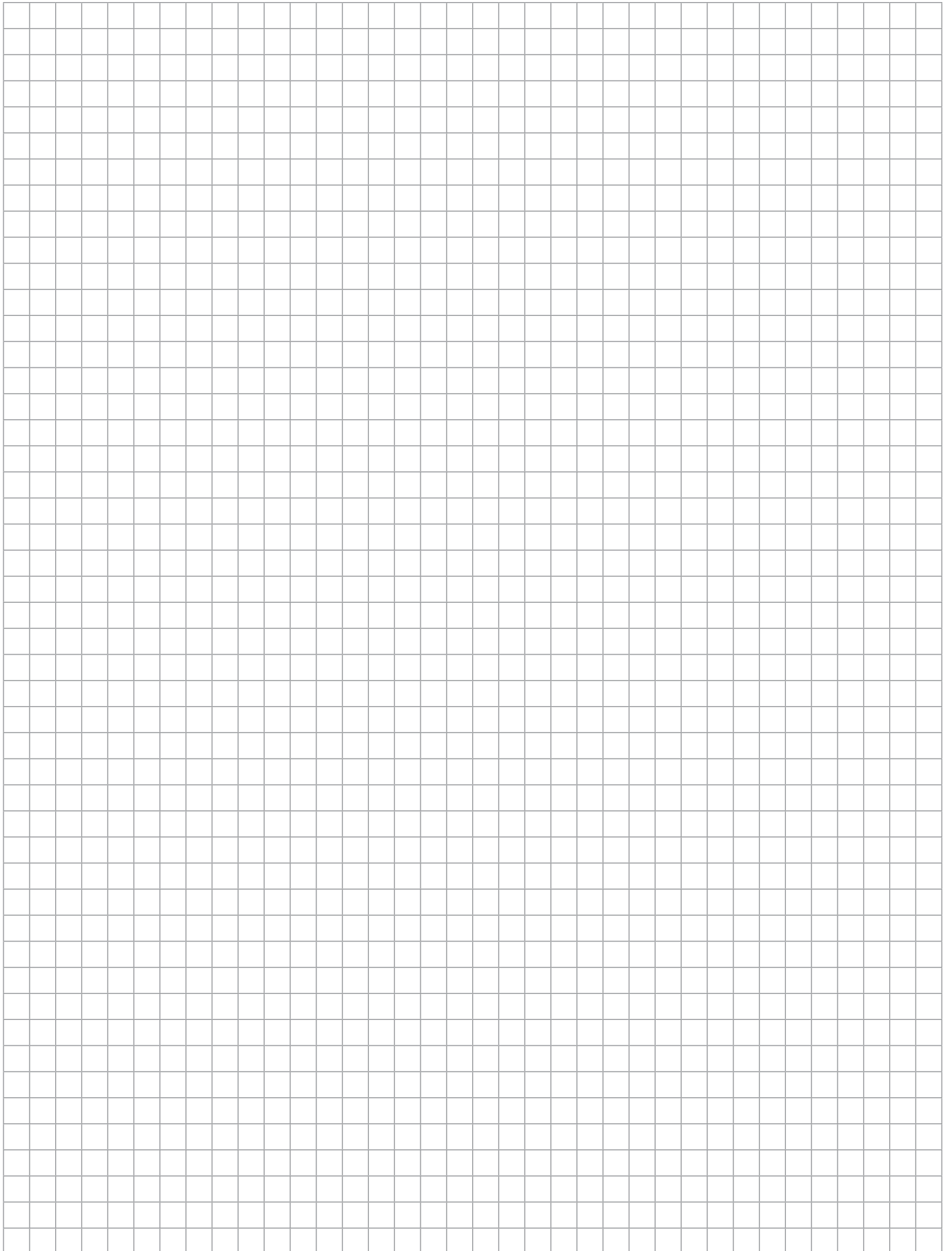
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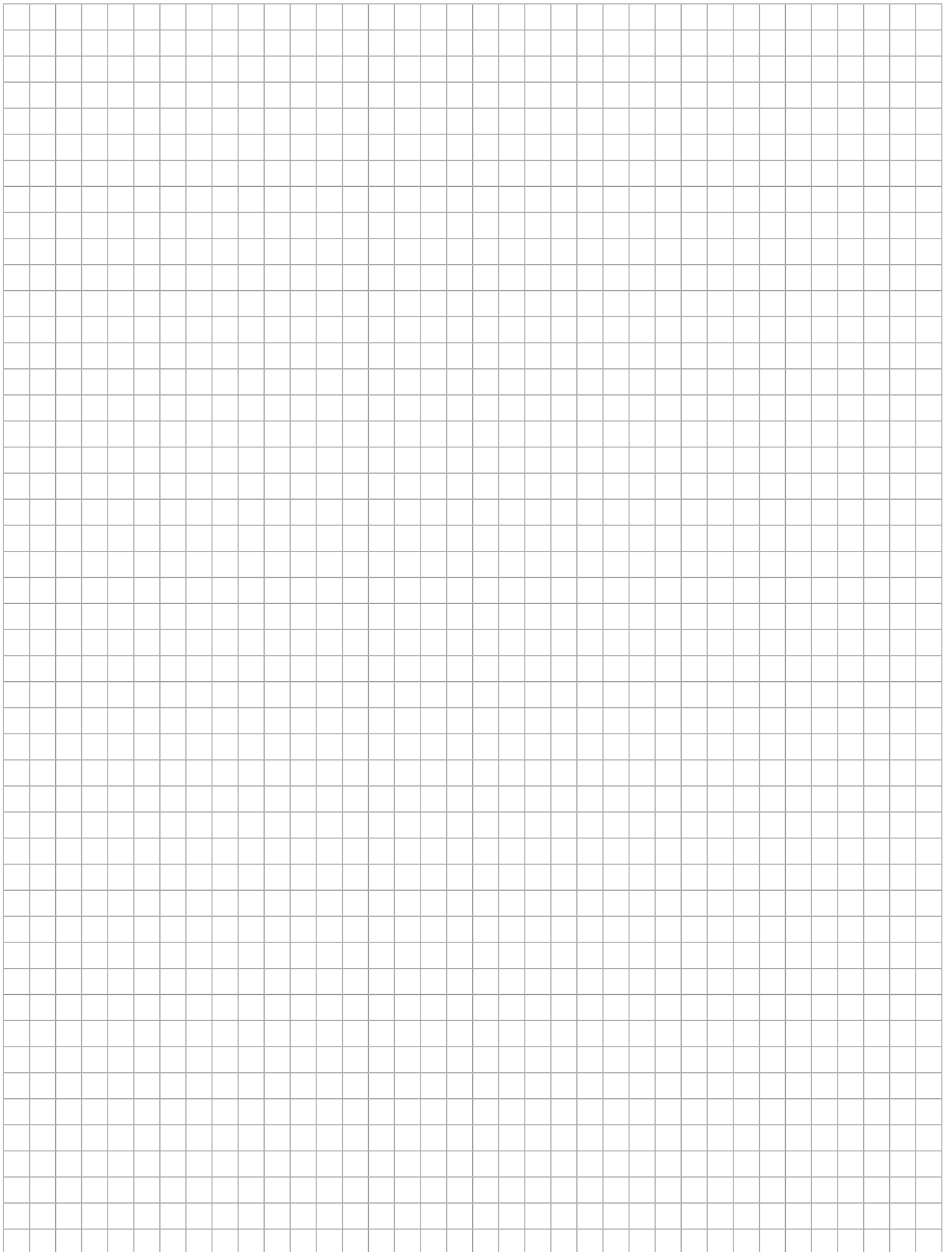
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General remarks

Ordering information

To ensure a smooth and error-free order and invoice process, please provide the complete reference number when ordering.

Service hours

Monday – Thursday

07:30–17:00

Friday

07:30–15:00

Prices

All prices are ex-works, plus the legal value added tax.

Prices subject to change

For articles in stainless steel, we reserve the right to increase prices for any alloy surcharges. We also reserve the right to charge a raw material surcharge for all articles.

Minimum order value

The minimum order value for small orders is € 200.00 net. If the minimum order value is not reached, we reserve the right to charge a processing fee.

Shipping type

Packages up to a weight of 30 kg and a maximum length of 1.50 m are sent by parcel service. Shipments over 30 kg or over a max. length of 1.50 m are sent by a freight company. The delivery time is usually between 48 and 72 hours.

Freight

Unless agreed otherwise, the freight costs will be invoiced according to expenditure.

Returns

Returns are only possible with our prior agreement.

In principle, a handling fee of 25% of the net value of the goods will be deducted, but at least € 50.00. The goods must be returned at the customer's expense. Custom-made products cannot be returned. To speed up processing, please enclose a copy of the delivery note or request a return note from us.

Any questions?

We'll be glad to advise you

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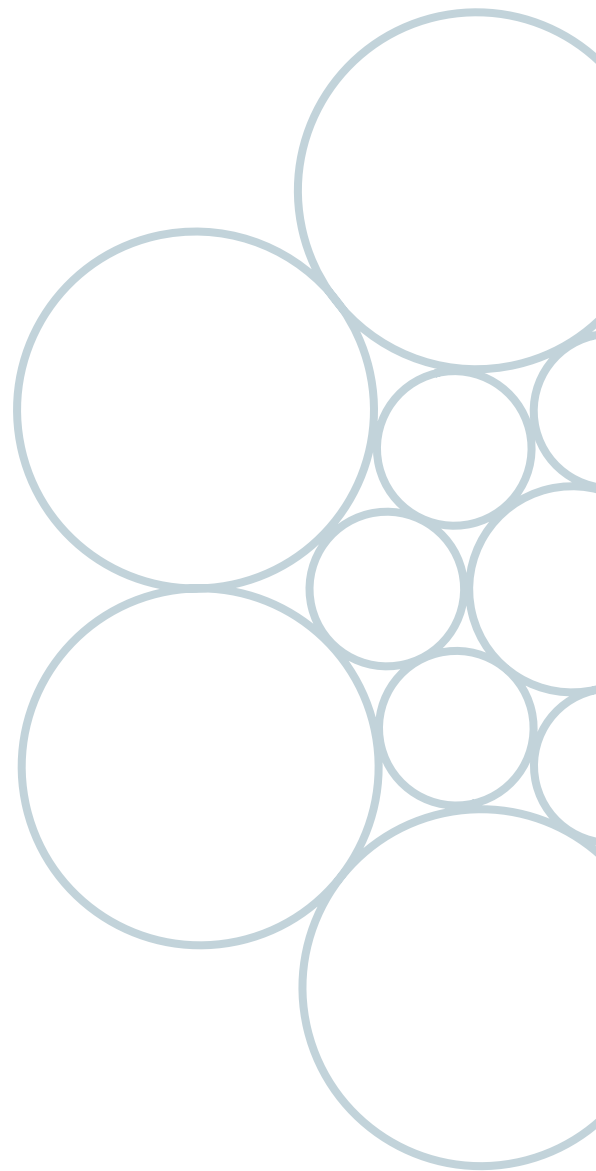
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