

GLADIATOR® SAFETY LIFTING CLAMPS

The lifting clamps made of carbon fiber composite material



Lightweight

**HIGH PERFORMANCE
LIFTING EQUIPEMENT**

MADE IN HOLLAND

WELCOME

DE Herzlichen Glückwunsch zum Kauf der SpanSet Exoset Sicherheits-Hebeklemmen. Sie haben eine ausgezeichnete Wahl getroffen. Die Exoset Sicherheits-Hebeklemmen sind äußerst zuverlässig, ergonomisch und sehr einfach zu bedienen.

Wir unterstützen Sie vor und nach dem Kauf: mit Dienstleistungen, Inspektionen und einem umfassenden Schulungsprogramm sowie persönlicher Beratung für Ihre praktischen Anforderungen. Darauf können Sie sich verlassen.

Die Arbeitsumgebung, in der dieses Gerät verwendet wird, birgt immer Risiken. Um die Sicherheit zu gewährleisten, ist es unbedingt erforderlich, dass sich jeder Benutzer an die mitgelieferten Anweisungen hält. Bewahren Sie das Handbuch mit den Zertifikaten und Wartungsberichten auf, damit jeder sie finden kann. Verwenden Sie die Exoset Sicherheits-Hebeklemmen nur, wenn alle Bedingungen erfüllt sind.

EN Congratulations on purchasing the SpanSet Exoset safety lifting clamps. You have made an excellent choice. The Exoset safety lifting clamps are extremely reliable, ergonomic and very easy to operate.

We support you before and after purchase: with services, inspections, and a comprehensive training program as well as personal advice for your practical requirements. And, you can rely on that.

The working environment in which this equipment is used always carries risks. In order to guarantee safety, it is absolutely necessary that every user adhere to the supplied instructions. Keep the manual with the certificates and maintenance reports so that everyone can find them. Only use the Exoset safety lifting clamps if all conditions are met.

ES Felicidades por haber adquirido las garras de elevación Exoset de SpanSet: con protección en altura. Ha hecho una excelente elección. Las garras de elevación Exoset son sumamente seguras, ergonómicas y fáciles de manejar.

Con nuestros servicios, inspecciones y un exhaustivo programa de formación queremos ofrecerle nuestra atención antes y después de la compra de este producto, además de prestarle asesoramiento personal sobre sus necesidades prácticas. Podrá contar con todo nuestro apoyo.

El entorno de trabajo en el que se utiliza este equipo no está exento de riesgos. Para garantizar la seguridad, es estrictamente necesario que todos los usuarios se atengan a las instrucciones que se proporcionan. Guarde este manual con los certificados e informes de mantenimiento para garantizar su accesibilidad para todos. Utilice estas garras de elevación solo si se cumplen todas las condiciones necesarias.

GLADIATOR® ALL DIRECTIONS SAFETY LIFTING CLAMPS

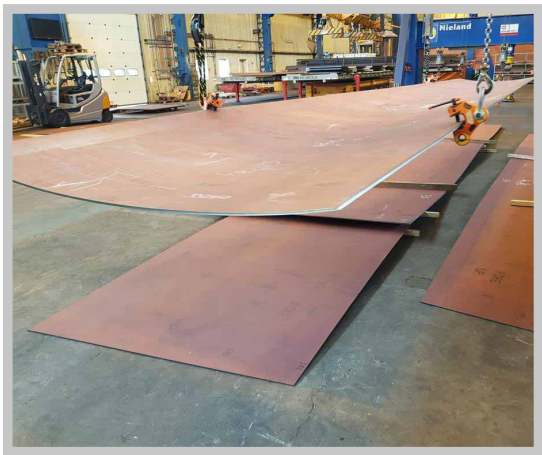
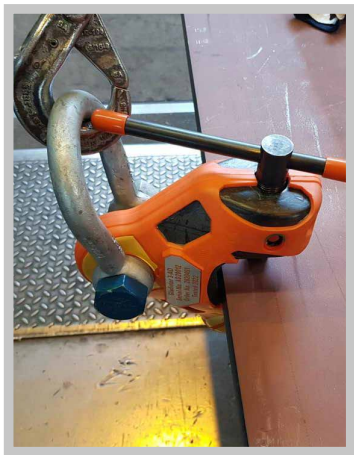
INSTRUCTION MANUAL - CONTENT

Czech Republic	NÁVOD K POUŽITÍ	CZ 4	CZ
Dansk	BRUGSANVISNING	DK 4	DK
Deutsch	BEDIENUNGSANLEITUNG	DE 23	DE
English	INSTRUCTION MANUAL	EN 23	EN
Español	MANUAL DE INSTRUCCIONES	ES 43	ES
Français	INSTRUCTIONS D'UTILISATION	FR 43	FR
Italiano	MANUALE UTENTE	IT 63	IT
Magyar	HASZNÁLATI UTASÍTÁS	HU 120	HU
Nederlands	INSTRUCTIEHANDLEIDING	NL 63	NL
Norsk	BRUKERHÅNDBOK	NO 82	NO
Polski	PODRECZNIK UZYTKOWNIKA	PL 82	PL
Português	MANUAL DE INSTRUÇÕES	PT 101	PT
Suomi	KÄYTTÖOPAS	FI 101	FI
Svenska	ANVÄNDARHANDBOK	SE 120	SE

Gladiator 3-AD
Serial No. AD20010
Order No. 2020491
Tested 2022



GLADIATOR® ALL DIRECTIONS SAFETY LIFTING CLAMPS
INSTRUCTION MANUAL - CONTENT



EN

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/ Notes on safety

EN Read this manual carefully before you use the Gladiator Safety Lifting Clamps, so that you can safely enjoy this sophisticated safety lifting clamp for many years to come.

If you use Safety Lifting Clamps the wrong way, it creates a serious danger because the objects being lifted may fall. Before using the Gladiator Safety Lifting Clamps be sure to read and understand this Instruction Manual. Always use the clamps according the instructions given in the Instruction Manual.

Please make sure that the Instruction Manual for Gladiator Safety Lifting Clamps have been read by or explained to all workers and company managers.

The Gladiator clamps should only be used after confirming that everyone who will work with the Gladiator clamps has completely understood all of the needed information, relevant safety information and the precautions that must be taken.

We offer different training programs to ensure that everyone who will work with the Gladiator clamps has completely understood all of the needed relevant safety information and the precautions that must be taken before using Safety Lifting Clamps. Please check our website www.highperformanceliftingequipment.com and/or www.spanset.com or contact your local HPLE or SpanSet partner.

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To make this Instruction Manual as comprehensible as possible for everyone, the instructions are provided with clear illustrations. In addition a distinction is made between warnings for instruction/caution and dangerous/prohibited situations.

High Performance Lifting Equipment is not liable for damage or accidents caused by incorrect or improper use of the Gladiator clamps.

We do not provide compensation nor offer any guarantee against accidents caused by failing to follow the directions or due to performing prohibited actions as described in this Instruction Manual

1. Description of symbols



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EN This symbol indicates that a certain attention must be given or action must be taken. Details of the needed action are in the description or drawing. When this attention is neglected the dangerous situation will exist and injuries of you or your co-worker and/or damage might occur.



EN This symbol indicates that a certain attention must be given or action must be taken. Details of the needed action are in the description or drawing. When this attention is neglected the dangerous situation will exist and serious injuries of you or your co-worker or death are likely to occur.

2. General safety precautions



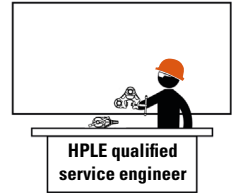
EN Read, understand and follow up instructions on safety label.



EN Read and understand the Instruction Manual.



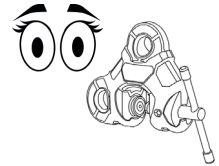
EN Be professionally trained in the correct use of the Gladiator clamps. For our training program, please check our web-site www.highperformanceliftingequipment.com and/or www.spanset.com or contact your local HPLE or SpanSet partner.



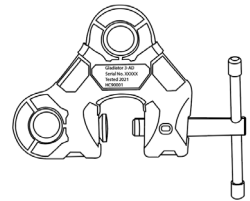
3. Clamp safety precautions before use



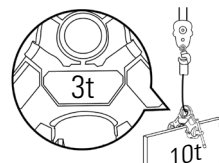
EN Be sure to inspect the clamps before starting operation each day and also carry out periodic inspections.



EN Check the model, WLL, and effective thickness marked on the clamps. Make sure that the weight and thickness of the load does not exceeds the WLL and jaw aperture rated on the clamp.



EN Do not use clamps which are not suitable for the operation being performed.



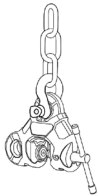


- EN When a chain sling or a wire rope is put directly into the hoisting eye, the chain sling or the wire rope can be damaged by the corner of the hoisting eye.

Use couplings, shackles, hooks or slings when connecting clamps with a chain or wire rope. Ensure that these attachments are correctly secured and coupled.

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Use couplings, shackles, hooks or slings when connecting clamps with a chain or wire rope. Ensure that these attachments are correctly secured and coupled.



					
3t AD clamp	G-4263 4,75t	KDL13N	Consult SpanSet	Textile couplink D001138	Sling Saver S-280
3t AD-H clamp	G-4263 4,75t	KDL13N	Consult SpanSet	Textile couplink D001138	Sling Saver S-280
3t AD-NM clamp	G-4263 4,75t	KDL13N	Consult SpanSet	Textile couplink D001138	Sling Saver S-280
3t AD-S clamp	G-4263 4,75t	KDL13N	Consult SpanSet	Textile couplink D001138	Sling Saver S-280
6t AD clamp	G-4263, 6,5t		Consult SpanSet		Sling Saver S-280
6t AD-H clamp	G-4263, 6,5t		Consult SpanSet		Sling Saver S-280
6t AD-NM clamp	G-4263, 6,5t		Consult SpanSet		Sling Saver S-280
6t AD-S clamp	G-4263, 6,5t		Consult SpanSet		Sling Saver S-280

DE

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- EN Do not use deformed, cracked, not-functioning or worn clamps.



Afbeelding

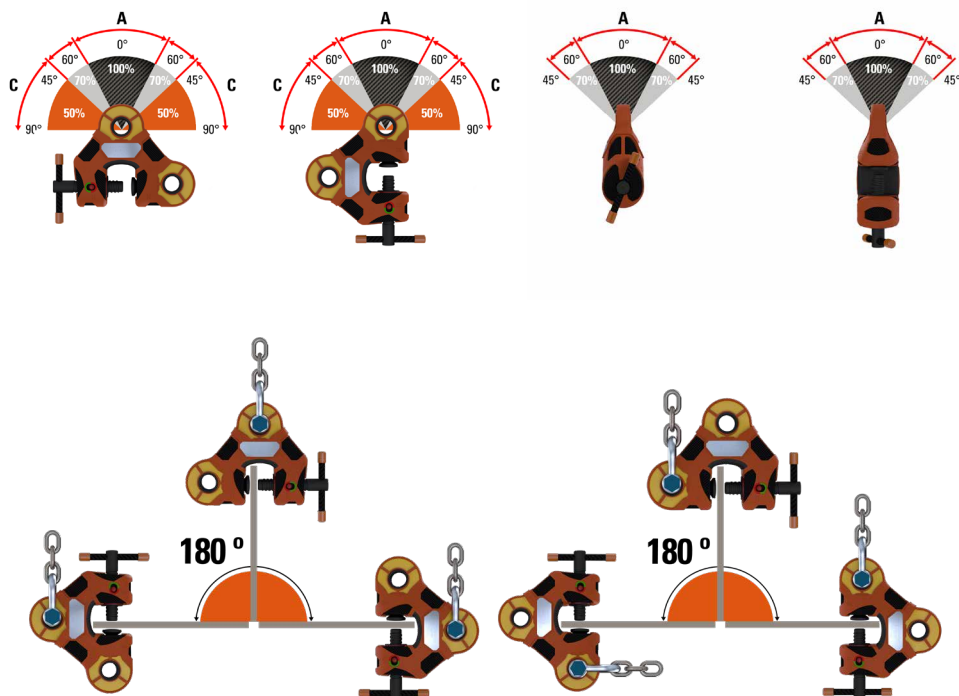
- EN Gladiator all directions Safety Lifting Clamps are suitable for a lifting angle A of max 30° (carbon area). If lifting angle A is exceeded to angle B, the WLL of the clamps must be reduced to 70% (blue area). If lifting angle A is exceeded to angle C, the WLL of the clamps must be reduced to 50% (orange area).



Gladiator all directions Safety Lifting Clamps are suitable for a lifting angle D of max 30° (carbon area). If lifting angle D is exceeded to angle E, the WLL of the clamps must be reduced to 70% (grey area). Lifting angle may not exceed 90°.

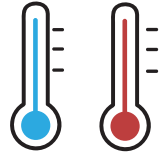
- EN Gladiator all directions Safety Lifting Clamps are suitable for a lifting angle A of max 30° (carbon area). If lifting angle A is exceeded to angle B, the WLL of the clamps must be reduced to 70% (blue area). If lifting angle A is exceeded to angle C, the WLL of the clamps must be reduced to 50% (orange area).

Gladiator all directions Safety Lifting Clamps are suitable for a lifting angle D of max 30° (carbon area). If lifting angle D is exceeded to angle E, the WLL of the clamps must be reduced to 70% (grey area). Lifting angle may not exceed 90°.

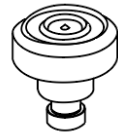




- EN Gladiator clamps may be used with temperatures that lie between -40°C . (-40°F) and $+80^{\circ}\text{C}$ (176°F). If you want to lift materials with temperatures that exceeds the allowed temperature range, please check our website www.highperformanceliftingequipment.com and/or www.spanset.com or contact your local HPLE or SpanSet partner.



- EN Gladiator standard Safety Lifting Clamps are suitable to lift steel plates and constructions with an maximum surface hardness of 37HRC (1200N/mm²) or 364 HV10. If you want to lift harder steel materials we advice to use our swivel jaw and edge pad for very hard materials (H). These are suitable to lift materials with a hardness up to 47 HRC (1550N/mm²) or 480 HV10.

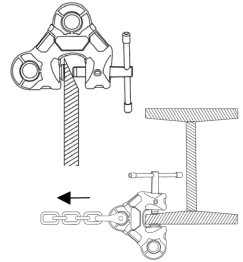


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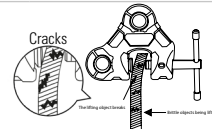
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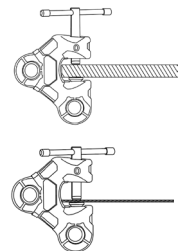
- EN Plates or constructions with tapered members that have an angle of more than 6° can not be lifted with these clamps. Swivel jaw and edge pad may not be placed on sloping or conical surfaces that have an angle of more than 6° .



- EN Do not lift fragile or brittle materials. Load can break!



- EN The thickness of the object to be lifted must be within the specified range of the clamp you intend to use.

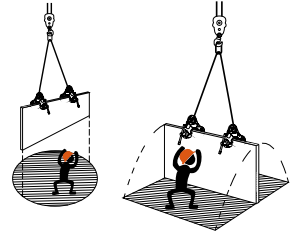


4. Clamps in use precautions



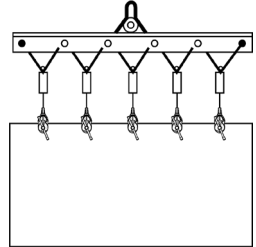
PROHIBITED

- EN While objects are being lifted, transported or turned over, everyone must stay clear of the falling and swinging range of the objects being lifted.



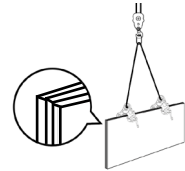
CAUTION

- EN The Gladiator all directions Safety Lifting Clamps may be applied per piece, per set or multiple clamps at the same time. It is very important that when more than 1 clamp is used, the load is divided equally so that each clamp receives an equal part of the load.



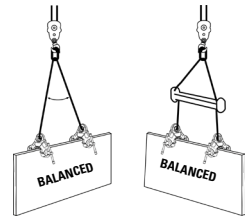
DANGER

- EN For each lift only one plate may be lifted or transported at the time.



DANGER

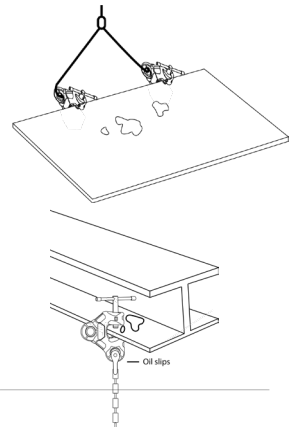
- EN Check the total weight of the load and find its center of gravity. Clamps must be placed in such manner that the load is lifted in a balanced way. Do not lift loads higher than necessary.



DANGER

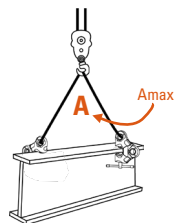
- EN Do not use clamps if there is any material, such as oil, paint, scales, rust, etc. on the swivel jaw and/or edge pad or on the object to be lifted. These swivel jaw and/or edge pad can become slippery and the load being lifted may fall out of the clamp.

Remove off any oil or paint, and then attach the clamps.

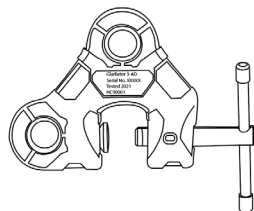




- EN The clamp lifting angle and the sling width angles A should be within the specified angle for each model. Do not leave suspended loads unattended.



- EN The Gladiators clamps have no minimum WLL.

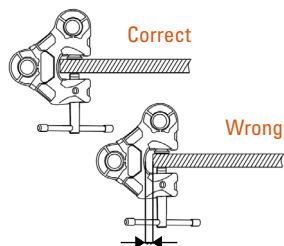


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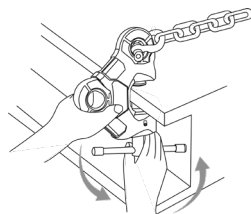
EN



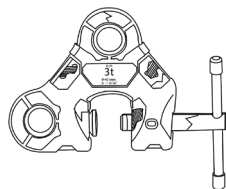
- EN Insert the object to be lifted completely into the jaw of the clamp.



- EN Tighten the Gladiator clamp and make sure that the Safe Lifting Indicator is in the green area.



- EN There are restrictions for operation in special atmospheres (for example high humidity, salt, acid).



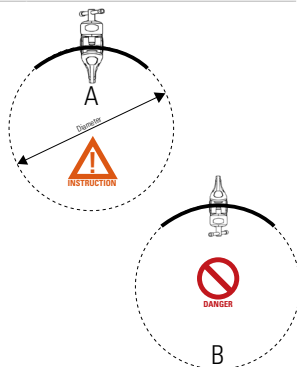


EN **A** Edge pad and spindle are outside the object.
Swivel jaw located on the inside the object.

B Edge pad and spindle are inside the object.
Swivel jaw located on the outside the object.

A

B



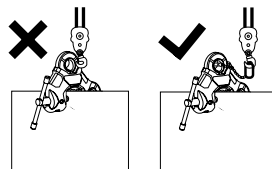
Model	3 AD Gladiator	6t AD Gladiator
Minimum inside diameter (mm)	Ø 550 mm	Ø 600 mm
Maximum material thickness (mm)	35 mm	50 mm



EN Do not throw clamps or drag them across the ground.



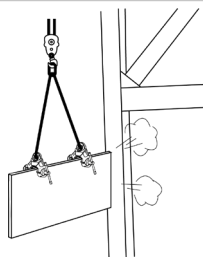
EN When the crane hook is too large and/or too heavy, use a chain. This will, when setting the load down, prevent damage of the clamp.



EN Do not use a clamp as a lifting point. Never use clamps to lift people in any way.

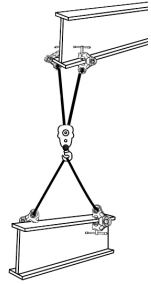


EN If a load hits an object the clamp is subject to an impact load which might cause an extra force on the clamp or damage of the clamp.

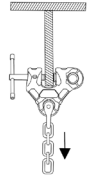




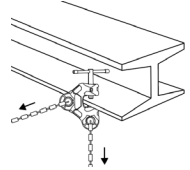
- EN When a screw clamp is used as a clamped support for suspending, it is treated as a suspending jig. When a screw clamp is used for slinging or transportation work, it is treated as a lifting device.



- EN Be sure to retighten the clamp screw after each operation and make sure it is retightened securely.

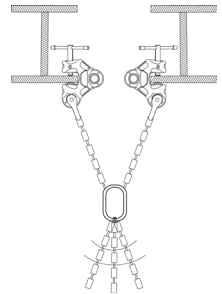


- EN Never use the two hoisting eyes of the clamp at the same time.



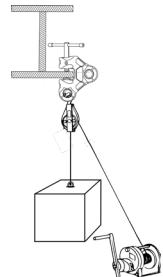
- EN Never use clamps in a way that a repeated load or a swinging load may be applied.

If the object being lifted swings, the load direction applied to the clamps may change and the clamps can be overloaded.



- EN Never use clamps for work where a winch is used.

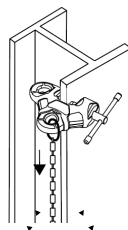
There is a danger that the direction of load applied to a clamp under load and under no load may change and then the clamping force may be reduced.
There is a danger because an impact load is repeatedly applied when a winch is used.





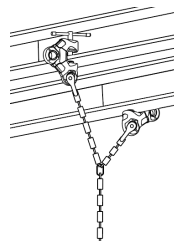
- EN Never use clamps for work where the lifting angles are exceeded.

There is a danger because a load is applied in the direction that would detach the clamps and then the clamp will come off.



- EN Never use clamps in places where the tightness cannot be checked.

The clamps cannot be used in places where retightening is impossible after the load is applied.



DE

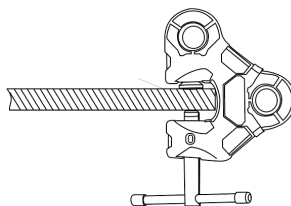
EN



- EN Do not force the clamp onto an object whose thickness exceeds the maximum specified thickness. Lifting a steel plate that is thicker than the specified limit is prohibited.

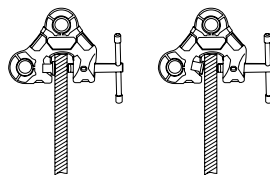
Use clamps that have a jaw aperture suitable for the thickness of the object to be lifted.

If the object to be lifted is thicker than the specified thickness, it may be impossible to remove the clamps after finishing lifting.



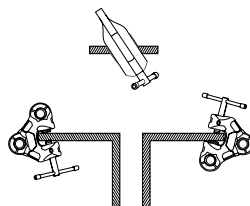
- EN Attach a clamp so that the object to be lifted is parallel to the opening section of the clamp. Pay attention to the tilt in any direction.

If the clamp body is tilted, loosen the clamp screw. Then adjust the tilt of the main body and attach the clamp again.



- EN Attach a clamp so that the object to be lifted is parallel to the opening section of the clamp. Pay attention to the tilt in any direction.

If the clamp body is tilted, loosen the clamp screw. Then, adjust the tilt of the main body and attach the clamp again.

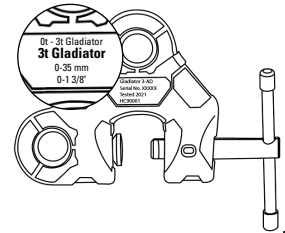


5. Clamp operation procedure

EN **Gladiator AD safety lifting clamp for all direction lifting**

Determine if the selected clamps are suitable for the job.
Determine the number of clamps.

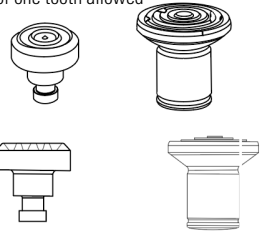
Check the WLL, and effective thickness marked on the clamps. If the weight and/or thickness of the load does exceeds the WLL and/or jaw aperture rated on the clamp, replace the clamps with models suitable for the load to be lifted.



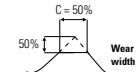
EN **Visual inspection** Check the swivel jaw and edge pad on wear and tear.

If the wear and tear of the swivel jaw and/or edge pad exceeds the allowed values, the parts need replacement. The teeth must be sharp and free of dirt. No damage, cracks or deformation should be visible.

Maximum 50% wear of one tooth allowed



Maximum 50% wear of one tooth allowed

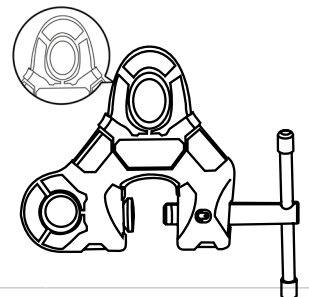


Check the body of the clamp.
No damage, cracks or deformation should be visible.



EN **Visual inspection** Check hoisting eye

Check the hoisting eye for cracks, wear or deformation



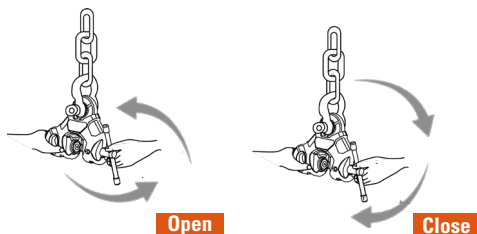
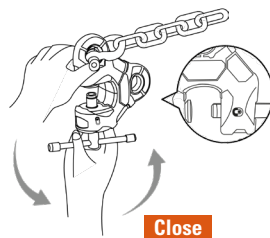
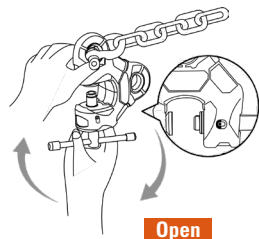
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EN

Operation of the clamp

The clamp must open and close smoothly. When operation of the clamp is heavy take the clamp out of operation.



DE

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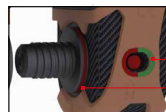
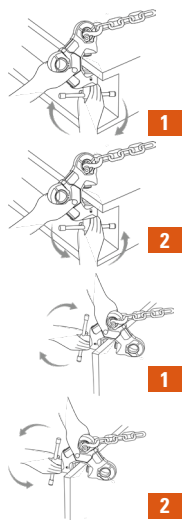
EN

Attaching clamp

Open the clamp by turning the handle to the left (counter clockwise). (1)

Place the clamp securely on the plate so that the load is positioned against the jaw of the clamp.

Now close the clamp by turning the handle to the right (clockwise). The Safe Lifting Indicator must be in the green area. The clamp is now closed and is connected with the load due to the pretension. The clamp is now ready for lift-off (2)



Safe Lifting Indicator

Safe Lifting Indicator



CAUTION



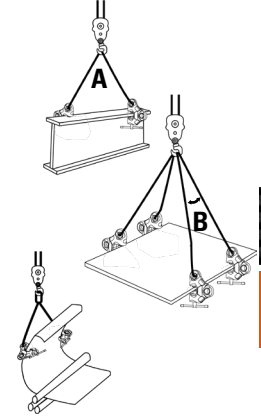
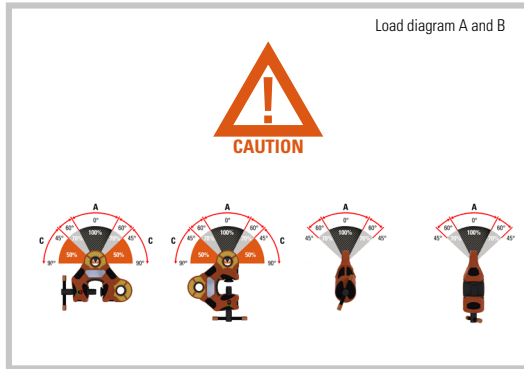
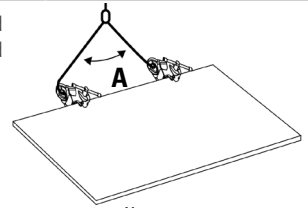
CAUTION

Check and make sure that the gripping areas is free of grease, oil, water, scale, ice, moisture, coatings, rust or dirt.



EN **Check the load angles**

Check the load angles of the chains, wire rope slings and hoisting eye. The load can now be turned and transported in vertical position.

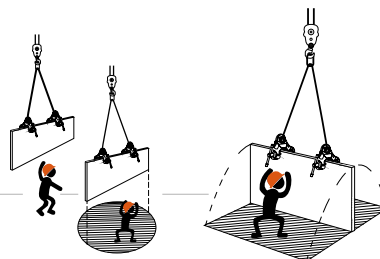
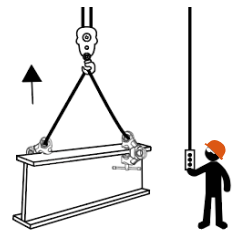
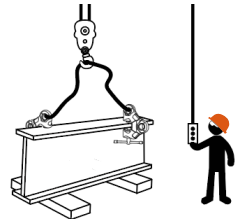


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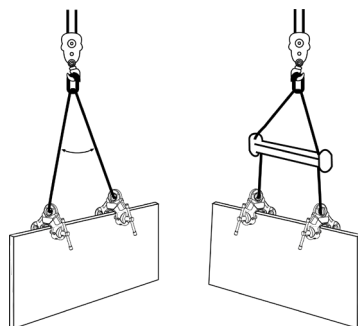
EN

EN **The load can now be turned and/or transported in horizontal or vertical position.**

- Never lift over people's head!
- When objects are lifted, transported or turned over, everyone must stay clear of the falling or swinging range of the load being lifted.



EN **Make sure that the load is lifted from the point of gravity.**

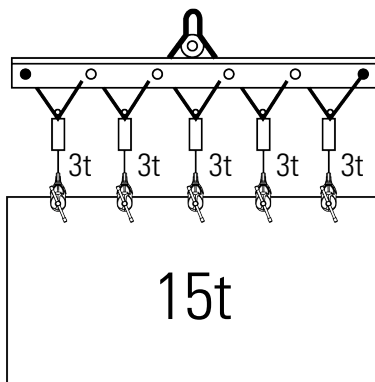
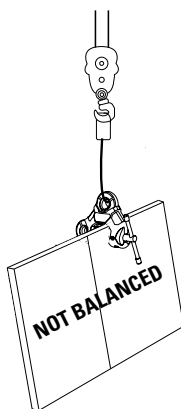


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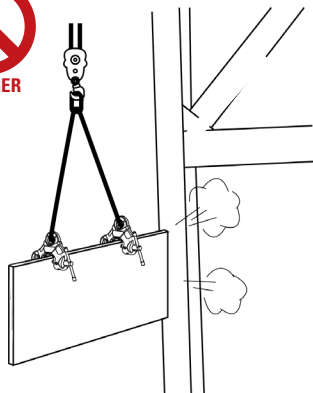


EN

EN **Make sure that the load is lifted from the point of gravity.**

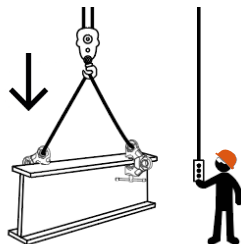


EN If a load hits an object the clamp is subject to an impact load which might cause an extra force on the clamp.



EN **Load at destination**

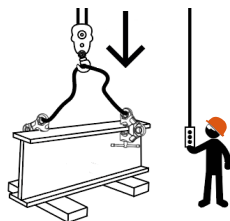
As soon as the load is transported to its destination lower the crane till there is no tension, from the chain, cable or sling on the hoisting eye.



EN **Remove the clamps**

The clamp can now be opened by turning the handle counter clockwise. (1)

The clamps can now be removed from the load. After visual inspection the clamps are now ready for re-use.



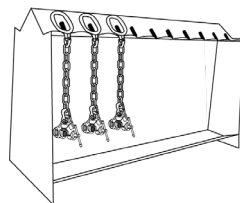
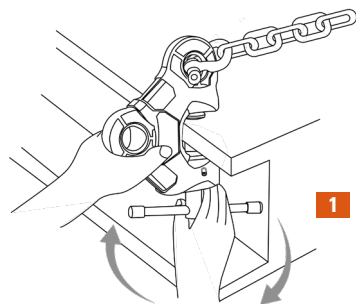
DE

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EN **Storing the clamps**

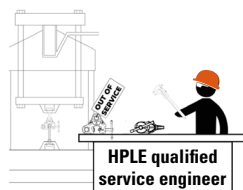
Be sure to store the clamps indoors. Clamps must be stored in open position. The swivel jaw and edge pad should not be in contact with each other.



6. Inspection, maintenance and storage precautions



- EN Inspection, maintenance and repairs should only be made by a qualified person. Please check our website www.highperformanceliftingequipment.com and www.spanset.com or contact your local HPLE or SpanSet partner.



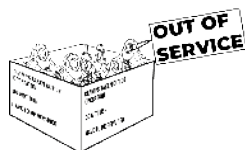
- EN For each Gladiator Safety Lifting clamp there is a Service and Repair Manual available. This manual provides clear instructions about how to inspect, maintain and test the Gladiator clamps. A training program is available. Please check our website www.highperformanceliftingequipment.com and www.spanset.com or contact your local HPLE or SpanSet partner.



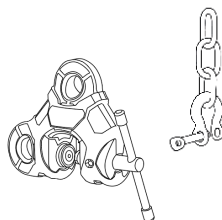
- EN Use only Gladiator genuine parts. Parts are marked with a traceability code. When you have any doubts regarding the originality of the parts please contact us!



- EN Store and label clamps that must be repaired. This prevents that the clamps can be used by mistake.

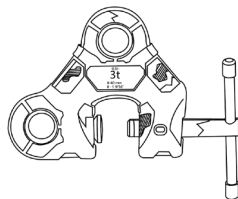


- EN When performing maintenance, or making inspections or repairs, be sure to detach any object that the clamps are attached to.

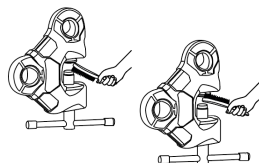




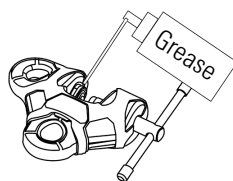
- EN If any abnormal conditions are seen in the clamps during maintenance and inspection, do not keep using them. Repair them immediately or discard them.



- EN Remove any paint, dirt, etc. from the movable sections, the swivel jaw and edge pad.



- EN Be sure to lubricate the moving sections of the clamps such as the rotating sections.

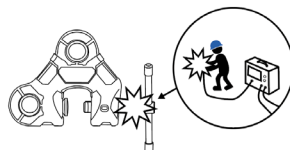


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- EN Never modify or weld on the clamps



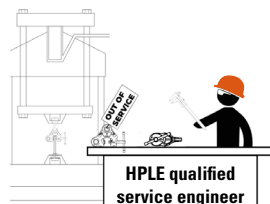
- EN For more information about inspection, maintenance and repair check our service- and repair manual. Periodic inspection, maintenance and storage according to the tables. Please check our website www.highperformanceliftingequipment.com and www.spanset.com or contact your local HPLE or SpanSet partner.

CAT B HEAVY SERVICE

Years				1				2				3				4			5	
Months	3	6	9	12	15	18	21	24	27	30	33	36	39	42	45	48	51	54	57	60
1																				
2																				
3																				
4																				



- EN Gladiator clamps should be serviced and repaired by a HPLE or SpanSet Service Partner. We offer 5 year warranty when clamps are serviced and repaired by a SpanSet Service Partner. Please check our website www.highperformanceliftingequipment.com and www.spanset.com or contact your local HPLE or SpanSet partner.



7. Gladiator AD NM - Lifting without damaging the load

^{EN} All info under chapters 1/6 are also applicable for the Gladiator AD NM clamps

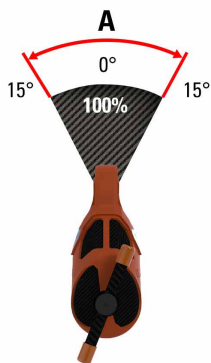
Clamp safety precautions before use



^{EN} Gladiator AD NM clamps must be clean when used. Dirt, grease oil etc. has a adverse effect on the operation and reliability of these Gladiator clamps. When cleaning the clamp, extra attention should be taken to ensure that the surfaces of the pressure plates are clean, dry and without oil or grease. Regular cleaning will enhance the life span and reliability of the Gladiator clamps.



^{EN} To clean the surfaces of the pressure plates use a universal parts cleaner or degreaser on basis of isopropanol like WD 40, Loctite or Motion



Inspecton and maintenance



- EN Ensure that the load surface with which the pressure plates of the Gladiator clamp are in contact are free of coatings, dirt, Grease, ice, moisture, oil, paint, scale and water. These contaminations have a negatively effect on the friction between the pressure plates and the load. If there is such contamination on the pressure plates the load may fall out of the clamp



- EN Inspect the pressure plates for wear and tear! The pressure plates must be undamaged!



- EN The pressure plates are the most critical parts of the Gladiator clamp and require extra attention during inspection. Make sure the pressure plates are not damaged or that parts of the friction material is missing. Damage of the pressure plates will negatively influence the Grip of the clamp and the load may fall out of the clamp.



- EN If more than 5% of the surface of the pressure plate is damaged the pressure plate must be replaced.



- EN See examples of damages or worn pressure plates on pictures below. In case of doubt please contact your SpanSet authorised partner!

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The carbon fiber composite body

EN Lifting clamps can be subject to impact. This can be caused by (hard) bumping and/or throwing of the lifting clamp against steel constructions or against the load to be lifted. In addition, impact is created by throwing the lifting clamp on, for example, the floor or other surface.

The Gladiator lifting clamps are provided with a patented impact layer. This impact layer limits any damage of the carbon fiber body caused by bumping or throwing of the lifting clamp. This impact layer limits adverse effects on the underlying carbon composite material.

DE It is important that lifting clamps are handled with care. Impact, among other things caused by bumping and/or throwing the lifting clamp, must be prevented at all times. Bumping and/or throwing the lifting clamp negatively affects the life span of the lifting clamp. Bumping and/or throwing the Gladiator lifting clamp is not allowed.

EN Cracks

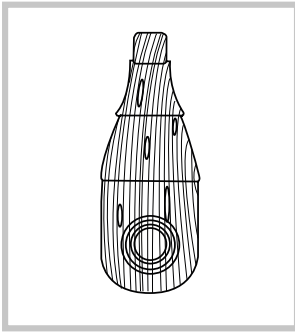
The consequences of (heavy) impact on a Carbon fiber Gladiator body can be that the body damages and cracks appear. See illustrations.

In case of cracking, the lifting clamp must be taken out of service immediately, labeled and if possible repaired and re-tested and re-certified.

EN



© Picture from **Abel Fonseca**

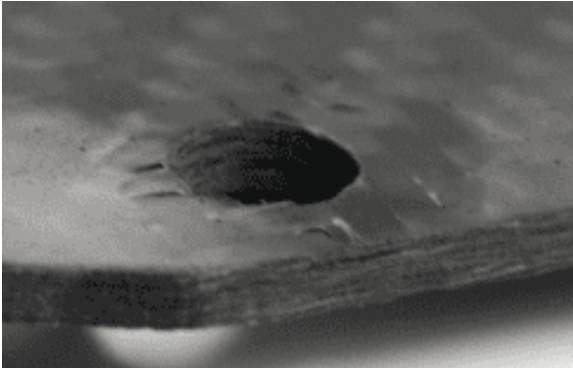


EN Delamination

The consequences of (heavy) impact on a Carbon fiber Gladiator body can be that the body damages and delamination occurs. See illustrations.

In case of delamination, the lifting clamp must be taken out of service immediately, labeled and if possible repaired and retested and recertified.

EN



© Picture from **Elevatedmaterials**



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Non destructive testing

EN We offer the option to have the composite body tested for possible damage using ultrasonic testing.

Ultrasonic examination (UT) is an NDT method in which sound waves are sent into a material. These will reflect on any defects and/or the geometry of the object. By capturing the reflected waves, the defects can be detected.

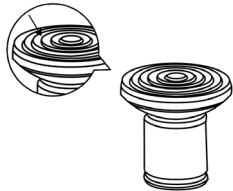
Through ultrasonic examination of the composite housing we can detect internal defects, delaminations, (fatigue) cracks.



Hier komt de 2de taal

Wear and tear swival jaw and edge pad

Maximum 50% wear and tear allowed



EN The swivel jaw and edge pad are the most critical parts in the clamp and require extra attention during inspection.

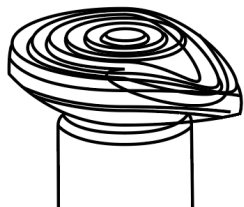
Observe the following rules during every inspection:

Swivel jaw

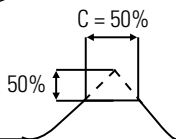
Reject when sharpness of **one** tooth is damaged or worn 50% or more.

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Maximum 50% wear and tear allowed

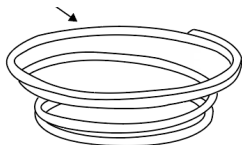
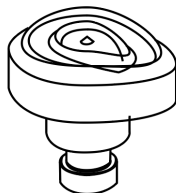


EN The swivel jaw and edge pad are the most critical parts in the clamp and require extra attention during inspection.

Observe the following rules during every inspection:

Edge pad

Reject when sharpness of **one** ring is damaged or worn 50% or more.



EN Check the spring. Move the swivel jaw and make sure it comes back in his original position. There should be resistance of the spring tension noticeable. The swivel jaw should, when the load is released, return to the center position without problems.

Elongation limit = 3%.

$E / L < 3\%$

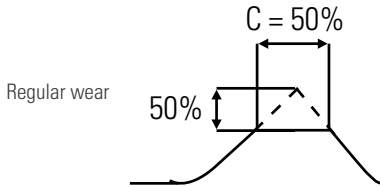
Warrant 5 year

HPLE provides a 5 year warranty on its Gladiator lifting clamps. Only if the clamp has been inspected and maintained by a HPLE or SpanSet Service Partner. This warranty period of 5 years is valid from the day of purchase, and is liable to all conditions and measurements stated under conditions and in our Instruction Manual.

Conditions

This warranty only covers failures in the Gladiator lifting clamps which is the consequence of production errors which occur during normal use. The warranty covers no wear to components such as swivel jaw, edge pad, springs, pressure nut etc. Should there be any kind of failure within this guarantee period, the Gladiator lifting clamp will be replaced or repaired to insight of the producer.

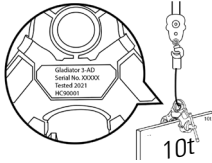
No warranty is given to clamps due the following failures



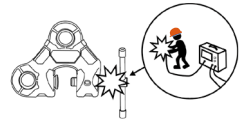
Not following procedures and measures described in the Instruction Manual



Overload



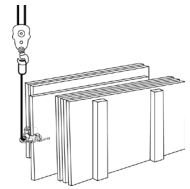
Adapting and/or modifying of the Gladiator clamp



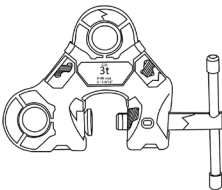
Wrong and/or carelessly use



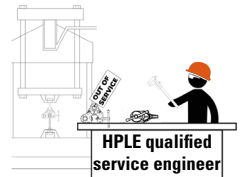
The injudicious use of the clamp and not following all indications which are stated in the Instruction Manual



Damages



When maintenance and/or revision has not been carried out by an HPLE or SpanSet Service Partner



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Warrant 5 year (2de TAAL)

HPLE provides a 5 year warranty on its Gladiator lifting clamps. Only if the clamp has been inspected and maintained by a HPLE or SpanSet Service Partner. This warranty period of 5 years is valid from the day of purchase, and is liable to all conditions and measurements stated under conditions and in our Instruction Manual.

Conditions

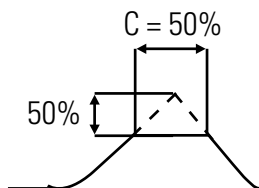
This warranty only covers failures in the Gladiator lifting clamps which is the consequence of production errors which occur during normal use. The warranty covers no wear to components such as swivel jaw, edge pad, springs, pressure nut etc. Should there be any kind of failure within this guarantee period, the Gladiator lifting clamp will be replaced or repaired to insight of the producer.

No warranty is given to clamps due the following failures

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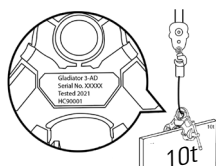
Regular wear



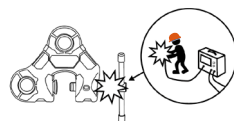
Not following procedures and measures described in the Instruction Manual



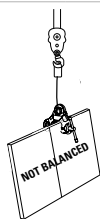
Overload



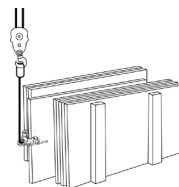
Adapting and/or modifying of the Gladiator clamp



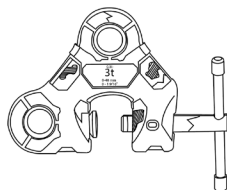
Wrong and/or carelessly use



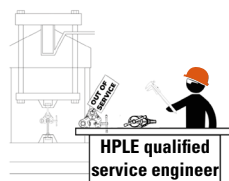
The injudicious use of the clamp and not following all indications which are stated in the Instruction Manual



Damages



When maintenance and/or revision has not been carried out by an HPLE or SpanSet Service Partner



Certificates, tests and performance according regulations

CZ Prohlášení EU o prohlášení o shodě EU: Tímto prohlašujeme, že níže popsané zařízení odpovídá příslušným základním bezpečnostním a zdravotním požadavkům příslušných směrnic EU, a to jak v základním designu, konstrukci, tak v námi uváděné verzi. Toto prohlášení pozbude platnosti, pokud na stroji provedete jakékoli změny bez našeho výslovného souhlasu.

Příslušné směrnice EU: Směrnice EU o strojních zařízeních (2006/42 / CE). Aplikované normy: **ASME B30.20**

DK EU-overensstemmelseserklæring: Vi erklærer hermed, at udstyret, som er beskrevet nedenfor, er i overensstemmelse med de relevante grundlæggende sikkerheds- og sundhedskrav fra de relevante EU-direktiver, både i dets grundlæggende udformning og konstruktion samt i den version, der markedsføres af os. Denne erklæring vil ophøre med at være gyldig, hvis der foretages ændringer på maskinen en vores udtrykkelige godkendelse.

Relevante EU-direktiver: EU-maskindirektiv (2006/42/CE) . Anvendte standarder: **ASME 830.20**

DE EG-Konformitätserklärung: Hiermit erklären wir, daß die nachfolgend bezeichnete Maschine aufgrund ihrer Konzipierung und Bauart sowie in der von uns in Verkehr gebrachten Ausführung den einschlägigen grundlegenden Sicherheits- und Gesundheitsanforderungen der jeweiligen EG-Richtlinien entspricht. Bei einer nicht mit uns abgestimmten Änderung der Maschine verliert diese Erklärung ihre Gültigkeit.

Einschlägige EG-Richtlinien: **EG-Maschinenrichtlinie (2006/42/EG)**. Angewandte Normen: **ASME B30.20**

EN EU Declaration of EU Declaration of Conformity: We hereby declare that the equipment described below conforms to the relevant fundamental safe and health requirements of the appropriate EU Directives, both in its basic design and construction as well as in the version marketed by us. This declaration will cease to be valid if any modifications are made to the machine without our express approval.

Relevant EU Directives: **EU Machinery Directive (2006/42/CE)**. Applied standards: **ASME B30.20**

ES Declaración de la UE de la Declaración de conformidad de la UE: Por la presente declaramos que el equipo descrito a continuación cumple los requisitos de salud y seguridad fundamentales y relevantes de las Directivas de la UE apropiadas, tanto en su diseño básico y construcción como en la versión comercializada por nosotros . Esta declaración dejará de ser válida si se efectúa alguna modificación a la máquina sin nuestra aprobación expresa .

Directivas de la UE relevantes : **Directiva de maquinaria de la UE (2006/42/CE)** . Normativa aplicada: **ASME B30.20**

FR Déclaration de conformité UE: Par la présente, nous déclarons que l'équipement décrit ci-après est conforme, de par sa conception et sa construction et de par le modèle que nous avons mis sur le marché, aux exigences fondamentales de sécurité et de santé des directives européennes pertinentes. En cas de modification de la machine effectuée sans notre accord, cette déclaration sera caduque.

Directives UE pertinentes: **Directive Machines (2006/42/CE)**. Normes appliquées: **ASME B30.20**

IT Dichiarazione CEE o Dichiarazione di Conformità CEE: Con la presenta dichiariamo che l'apparecchiatura descritta qui di seguito è conforme ai requisiti di sicurezza e salute fondamentali rilevanti per le Direttive CEE appropriate , sia nel suo design e costruzione di base sia nella versione da noi commercializzata. Questa dichiarazione non sarà più valida se vengono effettuate delle modifiche alla macchina senza la nostra approvazione.

Direttive CEE rilevanti: **Direttiva CEE sulle macchine (2006/42/CE)**. Standard applicati: **ASME B30.20**

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- NL EU-conformiteitsverklaring:** Hiermee verklaren wij dat de hierna vermelde machine op grond van haar basisvormgeving en constructie en in de door ons in omloop gebrachte uitvoering beantwoordt aan de desbetreffende veiligheids- en gezondheidsvoorschriften van de EU-richtlijnen. Na een wijziging aan de machine die niet in overleg met ons wordt uitgevoerd verliest deze verklaring haar geldigheid.

Desbetreffende EU-richtlijn: **EU-machinerichtlijn (2006/42/CE)**. Toegepaste normen: **ASME B30.20**

- NO EU-erklæring EU-samsvarserklæring:** Vi erklærer herved at utstyret som beskrives nedenfor er i samsvar med fundamentale krav til sikkerhet og helse i de relevante EU-direktivene, både i dets grunnleggende design og konstruksjon og i versjonen som vi markedsfører. Denne erklæringen gjelder ikke lenger dersom det gjøres endringer på utstyret uten uttrykkelig godkjenning.

Relevante EU-direktiver: **Maskindirektivet (2006/42/EU)**. Anvendte standarder: **ASME B30.20**

DE

Deklaracja zgodności WE: Niniejszym oświadczamy, że niżej opisane urządzenie (zarówno jego podstawowa konstrukcja, jak i wersja wprowadzona przez nas na rynek) spełnia obowiązujące wymagania w zakresie bezpieczeństwa odpowiednich dyrektyw UE. Niniejsza deklaracja traci ważność w przypadku wprowadzania jakichkolwiek zmian w urządzeniu bez naszej wyraźnej zgody.

EN

Stosowne dyrektywy UE: Dyrektywa Parlamentu Europejskiego i Rady ws. maszyn **(2006/42/WE)**.

- PT Declaração de Conformidade da UE:** Declaramos por este meio que o equipamento descrito abaixo está em conformidade com os requisitos de saúde e segurança relevantes da Diretivas da UE adequadas, no que respeita ao design básico e à construção, assim como a versão comercializada pela nossa empresa. Esta declaração deixará de ser válida se efetuar alterações na máquina sem a nossa aprovação expressa.

Diretivas da UE relevantes: **Diretiva da Maquinaria da UI (2006/42/CE)**. Normas aplicada: **ASME B30.20**

- FI EU:n vaatimustenmukaisuusvakuutus:** Vakuutamme, että seuraavassa kuvattu laite täyttää asianomaisten EU-direktiivien asiaan kuuluvat perusturvallisuus ja terveysvaatimukset sekä perussuunnittelultaan että rakenteeltaan ja lisäksi meidän myymämme version osalta. Tämä vakuutus mitätöityy, jos laitteeseen tehdään mitä tahansa muutoksia ilman meidän erityistä hyväksyntäämme.

Asianomaiset EU-direktiivit: **EU:n konedirektiivi (2006/42/CE)**. Sovelletut standardit: **ASME B30.20**

- SE Försäkran om EU-överensstämmelse:** Vi intygar härmed att utrustningen som beskrivs nedan uppfyller relevanta grundläggande säkerhets- och hälsokrav i enlighet med tillämpliga EU-direktiv, både under dess grundläggande design och tillverkning såväl som i den version som marknadsförs av oss. Detta intyg kommer att upphöra att gälla om några ändringar görs på maskinen utan vårt uttryckliga godkännande.

Relevanta EU - direktiv: **Europeiska maskindirektivet (2006/42/CE)**. Tillämpade standarder: **ASME B30.20**

HU EU-nyilatkozat az EU-megfelelőségi nyilatkozatról: Ezennel kijelentjük, hogy az alábbiakban leírt berendezések mind az alapvető kialakításukban, kivitelezésükben, mind az általunk forgalmazott változatban megfelelnek a vonatkozó EU-irányelvek vonatkozó alapvető biztonsági és egészségügyi követelményeinek. Ez a nyilatkozat érvényét veszti, ha bármilyen módosítást végeznek a gépen kifejezett jóváhagyásunk nélkül.

Vonatkozó EU irányelvek: EU gépirányelv (2006/42 / CE). Alkalmazott szabványok: ASME B30.20

Manufacturer/Fabrikant/Hersteller/Fabricant/Fabricante/Produttore/Fabricante/ Termelő

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Bennekom 01-03-2024

B.H.J. van der Kolk

DE

EN

Certificates, tests and performance according regulations

According regulations

The lifting clamp shall be designed to withstand a static load of two times the working load limit (WLL) without permanent deformation.

The lifting clamp shall be designed to withstand a static load of three times the working load limit (WLL) without releasing the load, even if permanent deformation occurs.

Exoset safety lifting clamps are the only lifting clamps in the world who are certified by DNV-GL.

European Norm EN 13155

USA Norm ASME B30.20, Design category B, Service class 4

USA Norm ASME BTH -1

Australian Norm 4991

CE European Machine Directive 2006/42/EC.

CE UK CA UK Conformity Assessed

Safety factor Exoset vertical Safety Lifting Clamps

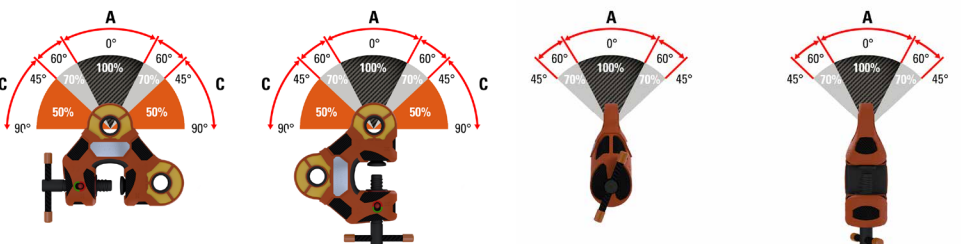
Test load (proof-load): Each clamp is individually tested on 2.0 times the WLL

Breaking load : minimum of 4 times the WLL or more.

Safety factor : minimum of 4 times the WLL or more.

Afbeelding

Load diagram



Exploded view



DE

EN

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More from SpanSet



Watch the videos on testing the Gladiator clamps here www.spanset.com



See the videos of repairing the Gladiator clamps here and practical examples on www.spanset.com

Connecting link in packaging

The Gladiator lifting clamps come with a matching shackle in the packaging.



SpanSet safety lifting clamps

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