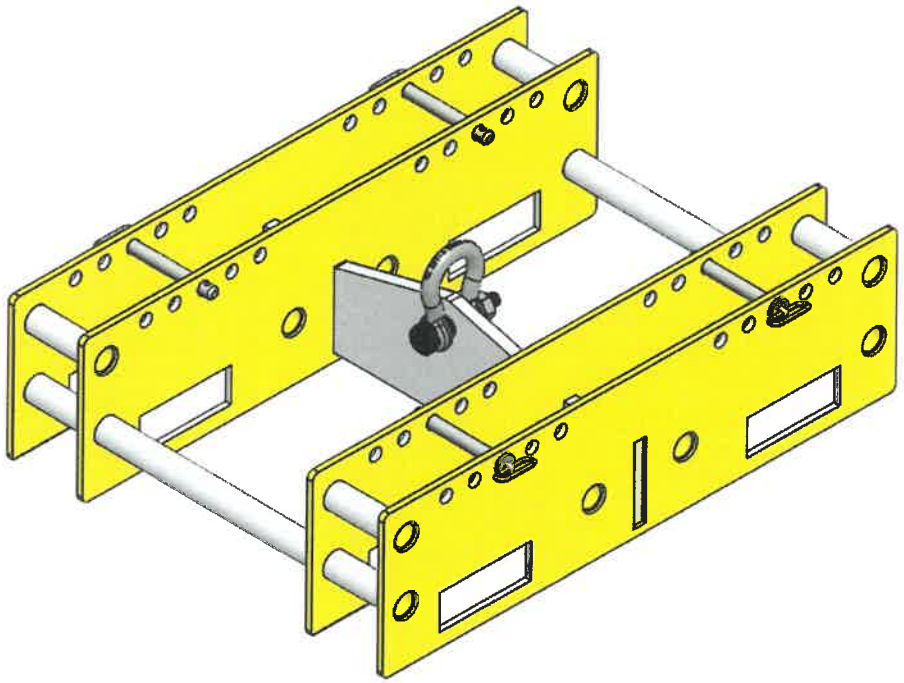
European Merchandise Group

4467-200 Lifting Yoke



Manual	User manual	Type number	4467-200
Date	2025-07-04	Distribution	EMG
Revision	01		

Address	EMG Skagerrak 1 6715 Esbjerg N Denmark	Phone E-mail Web	+45 70 23 15 85 info@emg.dk www.emg.dk

European Merchandise Group

EC Declaration of Conformity

Manufacturer:
JP Maskinfabrik A/S
Energivej 3
6800 Varde, Denmark
+45 75 22 30 99

Hereby declares that this product:

Machine:	4467-200 Lifting yoke
Type no.	4467-200
Serial no.	0001-9999
Month/ Year	11 / 2022 (year of development)
Function:	The 4467-200 Lifting yoke is intended for lifting EMG lifting bag type 4467 and type 44165. WLL 1000 kg / 2204 Lbs
Date and Year	Time of production for each individual lifting yoke

- The equipment is in accordance with relevant provisions in Machine directive (2006/42/EC)
- ASME B30.20 Below-the-Hook lifting Devices
- ASME BTH-I-2020 Design of Below-the-Hook Lifting Devices
- AWS D14.1/D14.IM:2005 Specifications for welding of industrial and mill Cranes and Other Material Handling Equipment.

- Part of the following standard is applied:
- DS/EN ISO 12100:2111 Safety of machinery – General principles for design - Risk assessment and risk reduction
- DS/EN ISO 20607:2019 Safety of machinery – Instruction handbook – General drafting principles
- DS/EN ISO 7010:2020 Graphical symbols – Safety colours and safety signs

CE

By unapproved modifications of the machine this declaration loses its validity.

City: Varde, Denmark
Date: 10-10-2025
Signature: CEO Jørn Petersen

Jørn Petersen

Director Jørn Petersen, Energivej 3, DK-6800 Varde, or his substitute, has clearance to hand over the technical dossier

Table of content

1.Explanation of Chapters and Symbols


= Introduction


= Safety


= Technical data


= Functional description


= Transport and installation


= User's Guide


= Maintenance


= Dismantling and Scrap


= Spare Parts List


= Subcontractor manuals


= Risk assessment

2. Introduction

Mechanical user manual

This manual is a mechanical user manual, which is a part of JP Maskinfabrik A/S' technical documentation. It is designed to provide knowledge and use of the equipment in the best possible way.

The manual contains important instructions regarding safety and correct operation.

Compliance with these instructions will minimize risks, repair costs and downtime, while increasing reliability and service life of the equipment.

Instructions for use of this manual

All users of the equipment should read and use the user manual, for example in the following cases:

Operation:	(installation, troubleshooting during operation, maintenance, removal of operational and additional equipment).
Maintenance:	(service, inspection, reparation).
Transportation:	(mechanical lift).

In addition to this user manual, current national and local safety regulations should be followed.

Safety signs

Meaning of symbols:

	Safety information / Warning with regard to provision and prohibition to prevent serious injury.
	Wear safety shoes for protection against falling objects.
	Wear helmet to protect your head(s) from hanging or falling objects.
	Wear gloves.

Area of use

The 4467-200 Lifting yoke is intended for lifting EMG lifting bag type 4467 & type 44165, WLL 1000 kg / 2204Lbs

The yoke must only be used as described in this manual.

The yoke is only intended for industrial use.

The yoke is CE marked and must only be used for onshore lifting.

Designed and calculated acc. BTH-1-2020.

The lifting yoke must not be used for lifting other things than EMG lifting bag type 4467 and type 44165, including other types of lifting bags.

EMG lifting bag type 4467

Lifting bag for elevator platform type 44165

Warranty

The person responsible for sales specifies the warranty that JP Maskinfabrik A/S, Denmark, vouches for from the date of delivery. Parts and general wear of the equipment are not covered by this warranty. The standard warranty does not cover items that are damaged as a result of misuse or use under other conditions than they were intended for.

The standard warranty does not cover damage, misuse or lack of maintenance, which is contrary to JP Maskinfabrik A/S' recommendations in this manual.

JP Maskinfabrik A/S has been very attentive to produce and design the product to make it as safe and reliable as possible.

Should you, contrary to expectations, experience problems with your JP Maskinfabrik A/S product, please contact the company responsible for the installation of the equipment or JP Maskinfabrik A/S.

For inquiries, please have machine type and serial number ready (see label on equipment).

Manufacturer/Producer:

	JP Maskinfabrik A/S
	Energivej 3
	6800 Varde
	Denmark
Phone.	+45 75 22 30 99
E-mail:	jp@jpas.dk
Homepage:	www.jpas.dk

3. Safety

General safety regulations

JP Maskinfabrik A/S shall not be held liable for damages resulting from improper use of the equipment.

To prevent accidents, it is extremely important to comply with the prescribed safety regulations. The equipment must not be used until these requirements are fully understood.

Before use, the user is responsible for correct installation of the machine, in accordance with applicable safety and health regulations at that time.

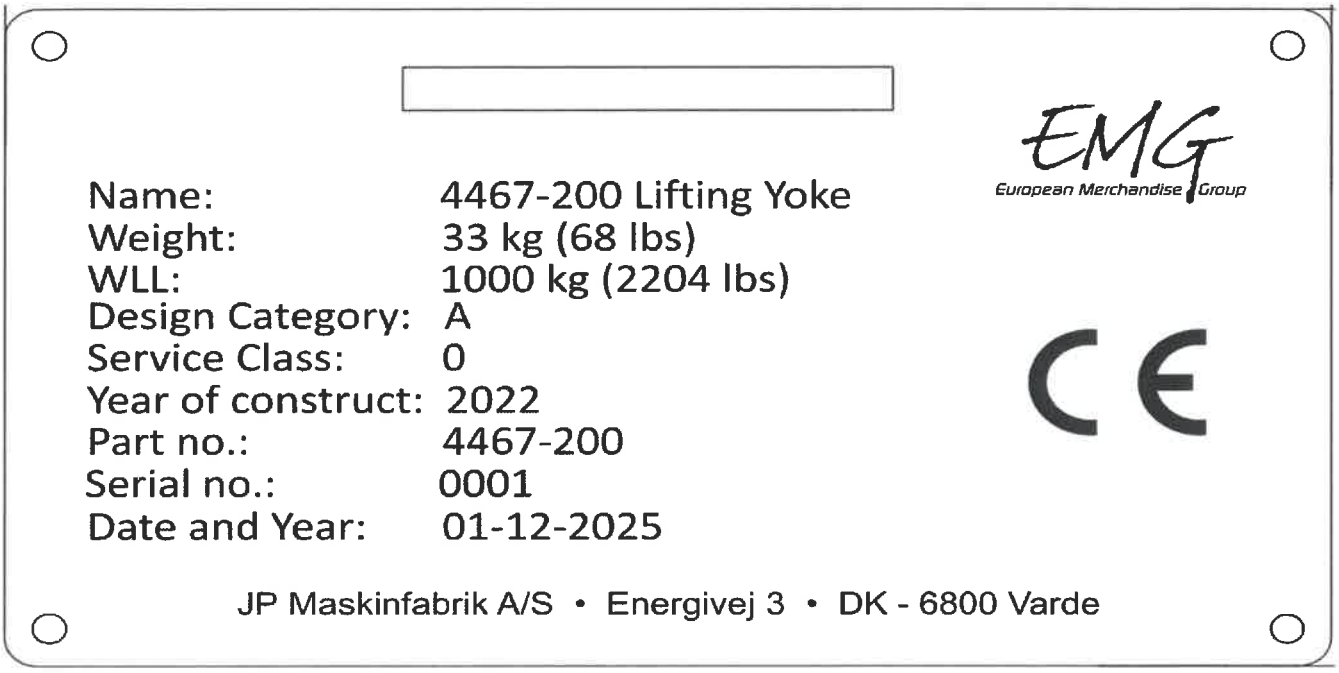
The warranty is void if the machine is modified without the written permission of JP Maskinfabrik A/S.

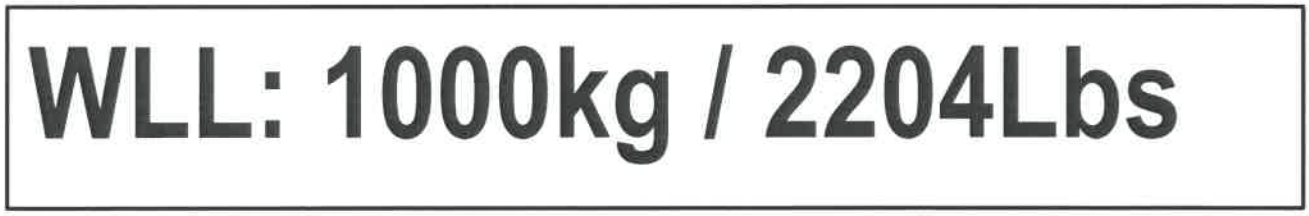
User obligations

- Read and understand the user manual.
- Observe and follow the instructions in all relevant manuals e.g. lifting gear, lifting bag etc.
- Only instructed and certified personnel have the permission to use the lifting yoke.
- Operators must have full understanding of the equipment´s limitations and performance.
- Before use the equipment is checked visually for defects. If there are defects these should be corrected before using the equipment.
- Observe that chains, shackles, etc. is placed and attached correctly.
- Lifting operations must only be performed in full daylight or in sufficient artificial light acc. to DS/EN 12464
- It is the operator's responsibility that no persons are located in the lifting area during lift.

Waring and mandatory signs

The following mandatory signs are used on the equipment.





Note:

Year of Construct – Refers to the year of Development of the tool.

Date and Year – Refers to the time of production for each individual lifting yoke.

Safety precautions for lifting

Check before lifting:

- Create a barrier for the lifting area to protect workers from entering the area.
- The crane operator must ensure the widest possible view of all moving parts during the lifting operation. If this is not possible, a spotter must be present to ensure that no people is inside the lifting area.
- Only use approved and suitable lifting equipment rated for the Working Load Limit.
- Verify that the lifting equipment has been inspected (tested) and approved for the lifting procedure.
- Always check the lifting equipment visually for damage before use.
- Inspect the lifting equipment (e.g. welds) for structural errors (such as cracks, fractures and wear) that might reduce the safety, lifting capacity and function.

Danger zone:

- Do not walk under a suspended load.
- Make sure that the lifting equipment cannot swing into the operator or other persons in the lifting area when the load/lifting equipment is lowered.
- Clear the lifting area for any trip hazards, which could cause the operator to fall during the lifting procedure.
- Never leave the lifting equipment unsupervised during a lifting procedure.
- Make sure to fasten the load/lifting equipment securely before leaving the lifting area.

Safe lift:

- It is important to adjust and secure the lifting equipment and burden in order to perform a correct and safe lift
- Each type of load (including transient loads) which exceed the maximum Work Load Limit (WLL) must be avoided. Should such a situation occur, the lifting equipment must undergo a full inspection by an expert, before re-entry into service.
- Oblique pull on loads should never occur. If such a situation occurs, the lifting equipment must be fully examined by an expert, before it is used again.
- Always use gloves, helmet and safety shoes, when the lifting equipment is used.
- Lifting operations must take place in a controlled manner without sudden movements. The lifting equipment must not swing as a pendulum.

Violating the above rules and precautions may result in personal injury or damage to property.

Emergencies:

- In the event of an emergency, lower the lifting yoke to level ground if it does not worsen the situation.
- Clear the area and keep in touch with other operators.
- Follow internal instructions for emergency situations.

Personal protection

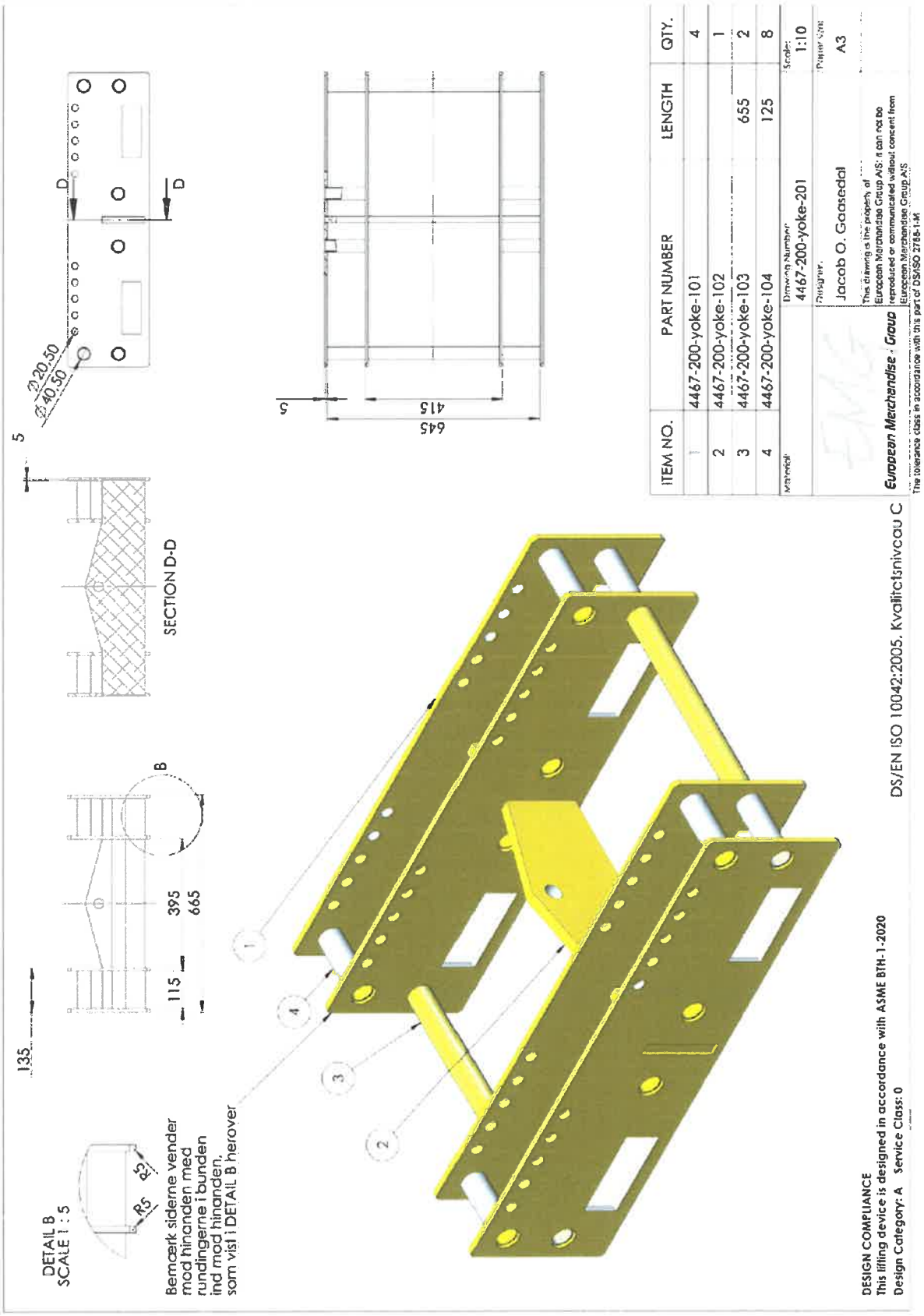
Safety assessment for normal lifting	Marking
Safety information / Warning with regard to provision and prohibition to prevent serious injury.	
Wear safety shoes for protection against falling objects.	
Wear helmet to protect your head(s) from hanging or falling objects.	
Wear gloves.	

Any local safety requirements have to be followed!

4.Technical data

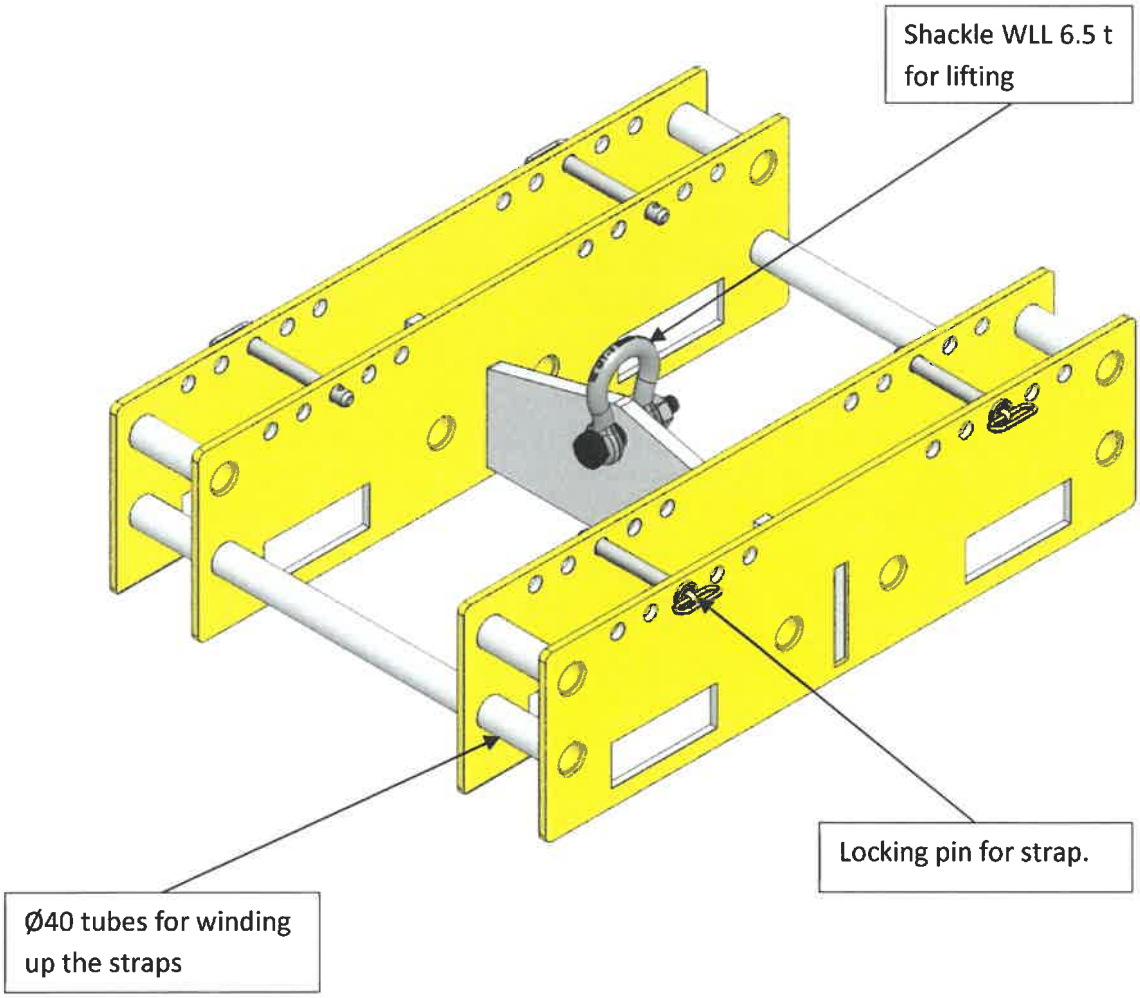
Drawing no.:	4467-200
Serial nr.:	0001-9999
Work Load Limit (WLL):	1000 kg / 2204 Lbs
Test Load:	1.5 x WLL = 1500 kg
Design code:	Machine directive (2006/42/EC) ASME B30.20 ASMEBTH-I-2020 AWS D14.1/D14.IM:2005
Design Category:	A
Service Class:	0
Weight:	31 kg
Dimensions:	
Height:	250 mm
Depth:	900 mm
Width:	665 mm
Ambient temperature:	-
Construction material:	Aluminum

Machine drawing.



5. Functional description

The 4467-200 lifting yoke is equipped with a WLL 6.5 shackle for lifting and 4 pcs. locking pins for the straps. The locking pins must be secured by a split.



6. Transport and installation

Generally:

The 4467-200 lifting yoke is delivered fully assembled and ready for use.

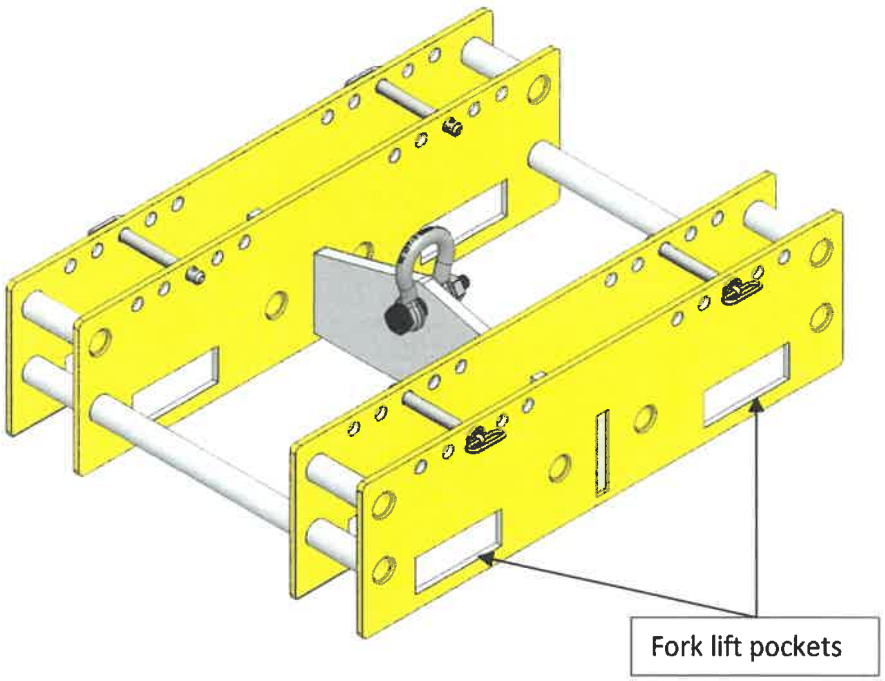
Reception:

Check the device for shortages or damage on receipt. In some cases defects cannot be detected, until the equipment has been placed in operation.

Contact JP Maskinfabrik A/S immediately in case such defects is discovered.

Transport:

The 4467-200 lifting yoke can be transported by forklift truck or by crane.



If the 4467-200 lifting yoke is handled manually it requires two operators due to the weight of 31 kg!

Storage:

The 4467-200 lifting equipment can be stored on the floor or on a pallet when not in use.

It can be stored vertically against a wall, but that requires that it is somehow secured against tipping.

Store the lifting yoke where it do not pose any safety risk and where it will not be damaged by other activities!

7.User Guide

7.1 Safe use of the equipment

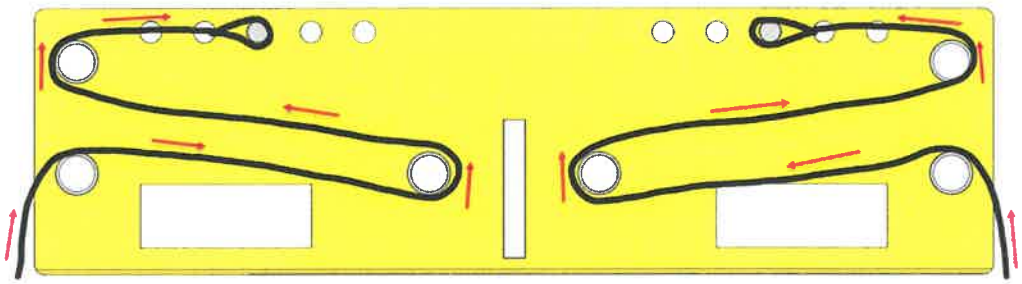
These are the specific instruction for safe handling of the equipment, follow the user manual.

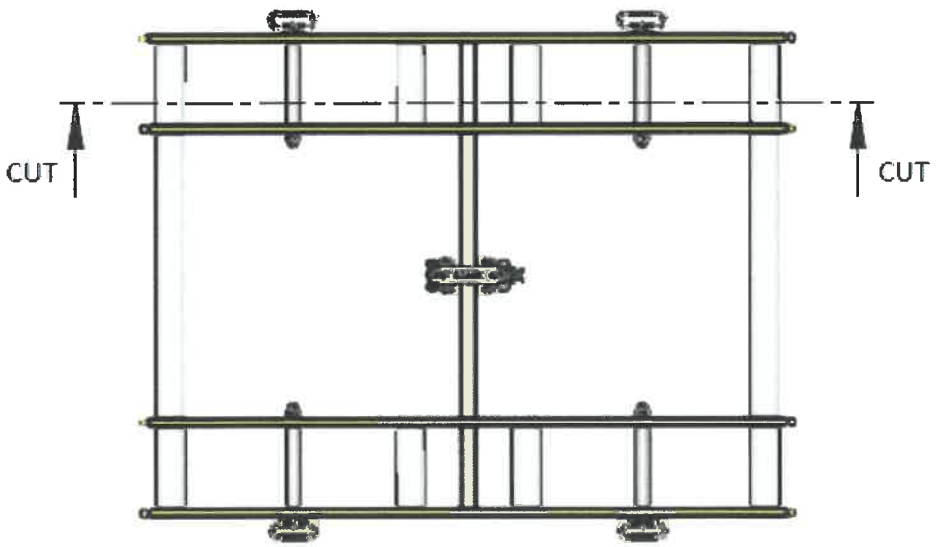
Check the equipment for faults or defects before operation. Do not use the equipment, if faults or defects are detected.

7.2 Working procedure

Preparing for lifting:

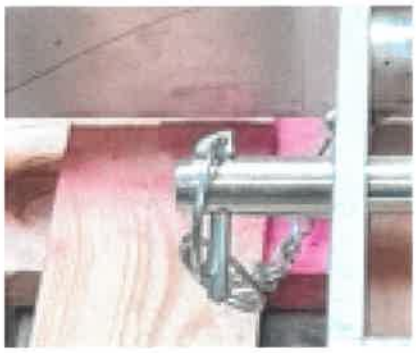
1. Make sure the load is equally distributed in the bag.
2. Close the bag
3. Place the 4467-200 lifting yoke on top of the bag.
4. Wind up the straps as shown in following sketch. **Note**: The locking pins can be placed in one of the 5 holes in each side depending on how tight the straps are!:





5. Fasten the strap with a locking pin in one of the holes, make sure the strap is tight.

6. Lock the locking pin with a split.



7. When all straps are winded up and fastened, fasten the crane hook to the shackle and lift the bag.

It is important that the load is equally distributed in the bag before lifting!

The bag must always be closed before lifting!

Releasing the lifting bag:

1. Remove the splits.
2. Pull out the locking pins.
3. Unwind the straps.
4. Lift away the lifting yoke.

The 4467-200 lifting yoke with lifting bag can also be lifted with forklift truck!

Emergency situations

- In event of an emergency, lower the lifting yoke to level ground if it does not worsen the situation.
- Clear the area and keep in touch with other operators.
- Follow internal instructions for emergency situations.

8. Maintenance

Maintenance Personnel

Repairs and maintenance must only be performed by qualified personnel, who have received the necessary training and instructions in order to properly and safely carry out the works.

Cleaning and Clearing

The equipment must be kept clean to ensure the reliability and performance of the equipment. Any items not related to the work being carried out should be kept away from the working area.

Oil- and other fluid spills should be removed immediately.

In general

All inspections and load tests must be documented.

Lifting equipment, hook´s, shackles, slings etc. must be visually checked for defects before and after use. Any defect equipment must be taken out of use and marked as defect until repair has been done.

If the equipment's signs are unclear or are missing they must be immediately replaced by new.

If components and/or any equipment are changed, the new part must have **at least** the same approval and capacity as the changed components.

Any repairs or rectifications of faults including changing components must result in a main inspection of the equipment.

Monthly inspection

A visual inspection must be carried out at least once per month.

A person that has "user level" knowledge and who has gone through the user instructions may perform the inspection, which shall include at least:

- ✓ Check for overload
- ✓ Check all welds for cracks
- ✓ Check whether there is deformation, breakage, etc.
- ✓ Check for wear on suspension points
- ✓ Check for exposure to heat, chemical substances, etc.
- ✓ Check rating plate and decals etc.
- ✓ Check date of last annual overhaul

Must be discarded with:

÷ Cracked welds, cracks, etc.

÷ Strong and permanent deformations

÷ Deformation of suspension point (Oval hole)

÷ Excessive wear in suspension points (max 10% wear)

÷ Unreadable or missing type plate and warning signs, etc.

Annual Service

A major overhaul must be performed at least once every 12 months.

The inspection must be carried out by a "qualified person"

An expert is one who has:

1. Knowledge of the equipment's technical structure and function
2. The necessary education and training in service and maintenance of the equipment.
3. Knowledge of the equipment's User Instructions
4. Knowledge of the Working Environment Authority's safety requirements for the equipment, especially in the area of review, load test and documentation.
5. Knowledge of requirements of other authorities
6. Knowledge of claims for approval/certification for special tasks, such as welding.

9. Dismantling and Scrapping

Dismantling

The equipment should be dismantled and sorted in accordance with applicable laws and regulations.

Scrapping

All parts must be environmentally correct abolished on recycling centre or

scrap dealer.

Scrapping of the equipment must be carried out according to federal, state and local requirements.

10. List over spare parts

Description	Item number	Supplier	Delivery
WLL 6.5 t Shackle: 	4467-200-1	JP Maskinfabrik	1 week
Drawbolt: 	4467-200-2	JP Maskinfabrik	1 week

11. Subcontractor appendix

-

12.Risk assessment

Risk assessment can be obtained by contacting JP Maskinfabrik A/S.