

OPERATION MANUAL

Easy Stacker 1200



Declaration of Conformity

Declaration of Conformity
(Machinery Directive 2006/42/EF, document II A)

In accordance with the provisions in the directive:

- Machinery directive 2006/42/EF
- EMC-Directive 2004/108/EF
- Low voltage directive 2006/95/EF

and with national legislation converting above mentioned provisions, is hereby declared,
that Easy Stacker 1200:

TYPE..... : Easy Stacker 1200
SERIES.... : _____
WEIGHT..... : 650 kg

IS PRODUCED BY:

Just Easy Tools ApS, Nupark 51, DK-7500 Holstebro, Denmark

ON BEHALF OF THE MANUFACTURER:

NAME: Jens Dalgaard

POSITION: Responsible for safety and construction

Signature:



Date (day/month-year):

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Dear Customer

Congratulations with your new Just Easy Tools product. We hope that you will experience complete satisfaction with your investment. We appreciate the confidence you have shown in our company by investing in tools from Just Easy Tools.

Just Easy Tools (from here referred to as JET) reserves the right to make changes or improvements in the design or construction of any part of the tool without incurring the obligation to install such changes on any units previously delivered. We also reserve the right to make changes in Operating Manuals without being obliged to send out new editions to customers having older versions.

Easy Stacker 1200 is a Danish developed and manufactured gripping tool for handling wheels and tires. Easy Stacker 1200 is only for professional use. The staff operating the machine must be fully trained and instructed in the proper use and the risk of operating the machine. We therefore ask you to pay special attention to the passage concerning safety. Continuous service and acknowledgement must be performed by specialists.

Easy Stacker 1200 is designed to comply with future high standards for safe operation and reliability.

Revisions

DATE	PAGE/LINE	DESCRIPTIONS	PROD. NUMBER
6/11-2023		Updated table in disclaimer section plus updated some of the illustrations/pictures and corresponding text	
20/9 – 2021		Textual updates	
27/11-2020		Combined operation and installation manual for Easy Stacker 1200. Updated pictures / illustrations and spare part list	
9/2-2017		Splitting up the manual in operation manual and in an installation manual	

Easy Stacker 1200 introduction

We urge you to read this Operation Manual very carefully and become familiar with government regulations, hazards, and the specific operation of your equipment. Follow all safety procedures and regulations valid in your local area and pay attention to all the safety instructions.

The information in the Operation Manual is provided in the order you will need it, from the necessary conditions of operations to maintenance. When referring to right and left positions we are referring to a position behind the equipment based on the operator's perspective.

Modifications

All modifications to this equipment must be carried out with JET approved accessories, parts, and optional equipment. Do not alter any parts without approval from JET or a JET service provider. All safety devices and decals must be serviced to be in proper working condition before using the Easy Stacker 1200.

The owner of the equipment is responsible for informing all users of the safe operation of Easy Stacker 1200 and the existing regulations toward the use.

Warranty

Warranty will be void if any parts have been subject to lack of maintenance, unauthorized modifications, overload, or abuse. Only the written warranty given by JET will be valid on this tool.

To the owner

As an Easy Stacker 1200 can be used in different configurations with different forklift/loaders or stacker trucks it is always owner's responsibility to make sure the Easy Stacker 1200 is in proper condition, correctly mounted and is being operated by operators with proper skills in a safe way in accordance with local and regional legislation.

If your JET equipment despite this should be involved in property damage, personal injury, or any other kind of accident, please contact your JET provider immediately and provide them with the details of the accident and the serial number of the Easy Stacker 1200.

Responsibility


It is the user who is responsible to maintain and operate this Easy Stacker 1200 in a way that will ensure safe working condition. The user also is responsible for the Easy Stacker 1200 is being operated towards Federal, State, and local codes and regulation covering the maintenance and use.

Operation Manual introduction

This is the Operation Manual. It contains all the information needed to use the Easy Stacker 1200 attached to the forklift/loader/stacker truck. It also contains information of daily maintenance.

All information regarding installation and spare parts is also found in this Operation Manual.

Throughout the manual, there are symbols meant to draw the attention of personnel.

	<p>Important Read the entire operating manual before using the Easy Stacker 1200. If you have questions concerning the operating manual, contact your dealer. An operating manual is supplied with each machine. It is a component of the Stacker and must be kept in the loader/forklift in such a way, that the driver or service personnel have immediate access to it for review purposes, if necessary.</p> <p>Obtain a new operating manual immediately if the old manual is damaged or lost.</p> <p>This manual contains information concerning the state of the technology that was valid at the time of delivery.</p> <p>We reserve the right to make changes in the design and specifications of the Easy Stacker 1200 and its components due to further technical development.</p> <p>Direction information: The direction information right and left used in this operating manual is always based on the driver's perspective.</p>
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Description of the Easy Stacker 1200

The Easy Stacker 1200 is a device that is mounted on a loader or forklift. It is used for lifting and moving tires.

The Easy Stacker 1200 and the implements are activated via hydraulic cylinders. The Easy Stacker 1200 is powered by the hydraulic system of the loader/forklift and is controlled from the driver's seat.

The Easy Stacker 1200 is attached to the loader/forklift and can be detached from the loader/forklift quickly and easily by means the Quick Shift system.

Easy Stacker 1200 capacity:

Weight of Easy Stacker 1200	650 kg	1,430 lbs
Minimum tire diameter	Ø550 mm	21,6 inches
Maximum tire diameter	Ø1.200 mm	47,2 inches
Lifting capacity	750 kg	1,653 lbs
Clamping force:	10.000N / 1.000kg	10,000N / 2,200 lbs

Intended use of the Easy Stacker 1200

The Easy Stacker 1200 has been built exclusively for agricultural and industrial tasks. It should only be used with the implements provided by Just Easy Tools.

It should only be attached to those loaders and forklifts for which Just Easy Tools designed it to be attached to, and for which it is offered by Just Easy Tools.

The Easy Stacker 1200 must only be operated from the driver's seat of the loader/forklift. The Easy Stacker 1200 must never be hydraulically operated together with other devices at the same time.

The Easy Stacker 1200 must not be used for lifting operations that require the presence of a person close to the lifted load. There is a risk that persons are squeezed between load and ground.

Shipping Pallet

- Easy Stacker 1200 must be strapped on the platform under existing law.
- Easy Stacker 1200 must be cleaned, so e.g. lumps of clay do not fall off during transport. Remove all loose parts from Easy Stacker 1200, and make sure, that no parts protrude the lorry width during transport.
- Be extra cautious by driving on bumpy roads and in curves.

Transport on public road (mounted e.g. forklift)

- Easy Stacker 1200 must be correctly mounted under existing law for transport by truck.
- Easy Stacker 1200 must be cleaned, so e.g. lumps of clay do not fall off during transport. Remove all loose parts from Easy Stacker 1200, and make sure, that no parts protrude the permitted transport width of the road.
- Be extra cautious by driving on bumpy roads and in curves.; especially when driving with Easy Stacker 1200 loaded with tires.
- Easy Stacker 1200 with/without load must be transported under existing regulation for forklift forks with/without load.

Safety instructions

Any use extending beyond intended use is non-intended use. The manufacturer, Just Easy Tools, assumes no liability for damage resulting from non-intended use. This risk is born solely by the user.






Intended use also includes compliance with the operating and service instructions prescribed by the manufacturer.


The Easy Stacker 1200 must only be used and maintained by persons, who are familiar with the content of the Operating Manual through appropriate reading and instruction, and who have been specifically instructed concerning the dangers associated with operation of the Easy Stacker 1200.

Warning symbols

Warnings are used in this manual to protect you from injury and to protect the machine from damage.


Always read and comply with these warnings. Warnings are shown in bold font.

	Signs with the word WARNING denotes a potential or hidden hazard, which could possibly cause serious injury. It is used to warn operators and others to exercise due care and attention to avoid an accident with machinery.
	Signs with the word DANGER denotes a forbidden practice in connection with a serious hazard. Failure to follow the CAUTION , WARNING and DANGER instructions may result in serious injury or even death.
	Sign indicating that there might be hydraulic oil under high pressure.
	This sign indicates lifting points.
	Sign indicating an area with potential danger of squeeze, persons might get injured.

	Sign shows area of moving parts, persons might get injured.
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Working conditions for Easy Stacker 1200:

Easy Stacker 1200 can be used at temperatures and climate conditions, from minus 20 degrees Celsius to plus 50 degrees and normal dust and humidity conditions. Special attention must be paid when used in aggressive environments, where the coating might be damaged and therefore no longer provides adequate protection against corrosion.

 WARNING	If you use the Easy Stacker 1200 at low outdoor temperatures, bring the hydraulic system up to working temperature beforehand. To do this, completely extend and retract all hydraulic cylinders several times.
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Before installing the Easy Stacker 1200

The work needed to install an Easy Stacker 1200 as described in this Manual is only to be carried out by qualified service technicians from a Just Easy Tool Partner or service personnel from the forklift/loader provider.

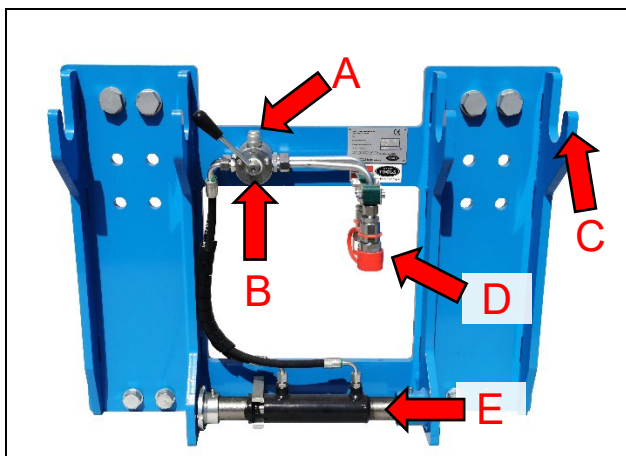
Installation, maintenance, and service must be carried out by properly trained personnel familiar with the standards in the relevant regulations.

The machine is delivered with sealed pressure restraint valves. The blue seal colour must not be broken. In case of a damaged seal please contact the dealer immediately.

Consequential damages which can be related to incorrect hydraulic pressure in the machine are not covered by warranty if seal is broken.

The Easy Stacker 1200 consists of

1. Quick Shift frame
2. Main Stacker part
3. Quick shift hydraulics
4. Tilting cylinders
5. Gripping cylinders
6. Hydraulic pipes and hoses
7. Control box

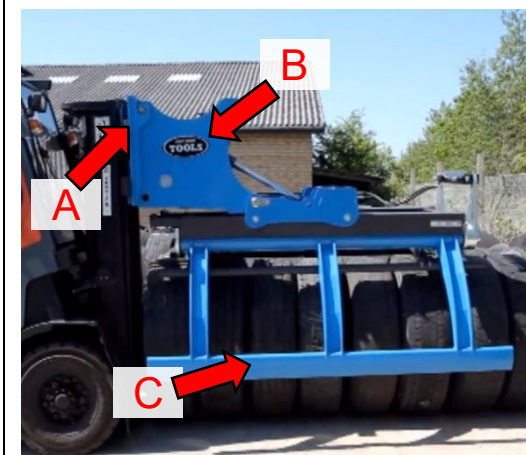


Picture 1.1

Quick Shift Module

Mounting part for the loader/forklift

- A. Hydraulic supply hoses from the forklift
- B. 6/2 diverting valve for hydraulic function
- C. Attachment points for Easy Stacker
- D. Hydraulic coupling for Easy Stacker
- E. Locking cylinder for Easy Stacker 1200



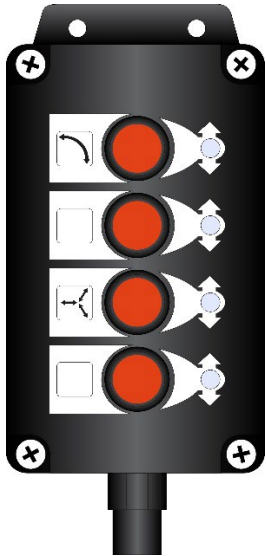
Picture 1.2

Easy Stacker 1200 from right side

- A. Quick Shift Module
- B. Tilting module
- C. Gripping arms



Picture 1.3
Easy Stacker 1200 from front with tires



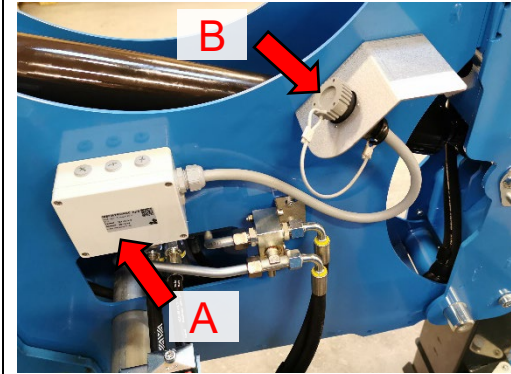
Picture 1.4
Control unit (remote control)
To be mounted in the Forklift close to the hydraulic control handles.

Control unit is used to choose which function of the Easy Stacker 1200 that is activated.

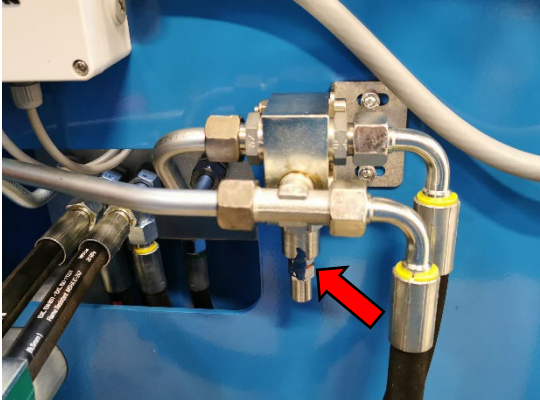
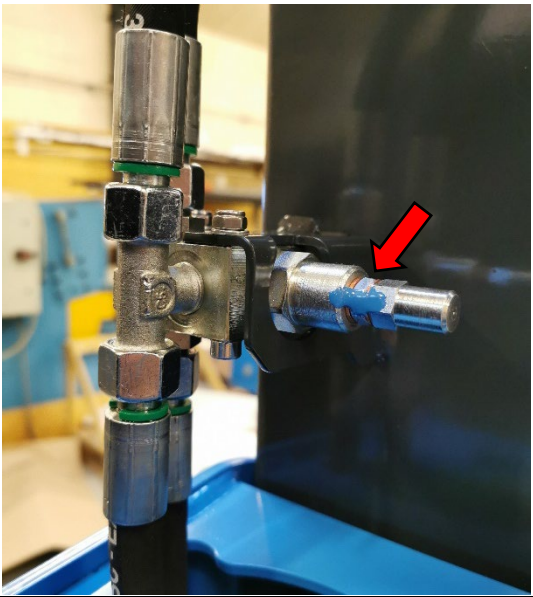
When pressing a button, the active function will be displayed by LED light



Picture 1.5
Identification plate
Is placed on the right side of Easy Stacker 1200



Picture 1.6
Tilt module inside
A: Control box
B: Electrical connection to forklift

	<p>Picture 1.7</p> <p>Main relief valve.</p> <p>The blue seal colour must not be broken. In case of damaged seal please contact the dealer immediately.</p>
	<p>Picture 1.8</p> <p>Relief valve for clamping.</p> <p>The blue seal colour must not be broken. In case of damaged seal please contact the dealer immediately.</p>

When in use, all vehicles, on which Easy Stacker 1200 are mounted, must meet the requirements of the local directive, Easy Stacker 1200 must be intact and without any damage of frame, hydraulics, or welding.

Maintenance and service using non-original spare parts will cause repeal of warranty on the parts in question.

Easy Stacker 1200 is designed for use/mounting on the "Quick Shift" module, which is separately available – or alternatively the Easy Stacker 1200 can be delivered for mounting directly on a fork carriage. This option does not offer vertical tilt of Easy Stacker 1200.

Before operating the Easy Stacker 1200

Easy Stacker 1200 has been tested and approved before delivery. This means that the system is oil filled and no additional oil filling of the system has to take place before commence use of the Easy Stacker 1200. It is though highly recommended to check level in oil tank of the forklift/loader before first use of the Easy Stacker 1200.

The forklift/loader, on which the Easy Stacker 1200 is mounted, might be filled with special oil, not compatible with the oil in the Easy Stacker 1200, which can result in permanent damage to hydraulic components in both forklift and Easy Stacker 1200. Please see oil requirements (next page).

Storage



Picture 2.1

Tilt the machine 90 degrees as shown in picture.

Distance between the gripping arms must be at least 80 cm / 32 in

Be aware, that the foundation is stable and able to support the weight of the machine (e.g. solid concrete floor) (as shown in picture). If the Easy Stacker 1200 is placed upon insecure foundation this must be secured with an appropriate steel plate. *Be aware*, that the foundation /underground may change due to the weather conditions. When the Easy Stacker 1200 is placed as shown in picture, it is suitable for placing on even ground.



Always store the Easy Stacker 1200 on solid ground.

Lifting Easy Stacker 1200

Lifting with crane:

When the Easy Stacker 1200 is in the position shown, the gripping arms on both sides are intended to lift the machine without load.

Use lifting slings for this purpose - using lifting chains may damage a greater part of the painting/coating on the machine. The lifting device/crane must be placed in the center of gravity of the Easy Stacker 1200. Be careful during the lifting work.



Picture 3.1

Lifting slings and chains can be used, but chains will damage a greater part of the painting/coating on the machine. The lifting device/crane must be placed in the center of gravity of the machine. Be careful during the lifting work.



WARNING



Lifting points - Connection points to be used when lifting the Easy Stacker 1200

Easy Stacker 1200 requirements.

Oil quality	Mineral oil base DIN 51524-HLP	Purity. ISO4406 18/16/13 or NAS1638 class7 Filtration grade: 5-15 μ ($\beta_x > 100$)
Oil hose attachment	3/8" hydraulic hoses	Recommended for forklift and loader as well
Oil pressure requirement	100-200 bar	
For optimal speed	150-200 bar	
Oil return pressure maximum	Max: 20 bar	May result in malfunction
Capable lifting requirement of forklift	2500 kg	For max. capacity *1
Attachment requirement of forklift	FEM 2, FEM 3	FEM 1 on order
Electrical requirements	12 V Dc / 10 Amp	Optional for 24 V Dc

*1: the owner of the Forklift is responsible that the forklift legally can operate this Easy Stacker 1200

Forklift requirement: Lifting capacity / safety

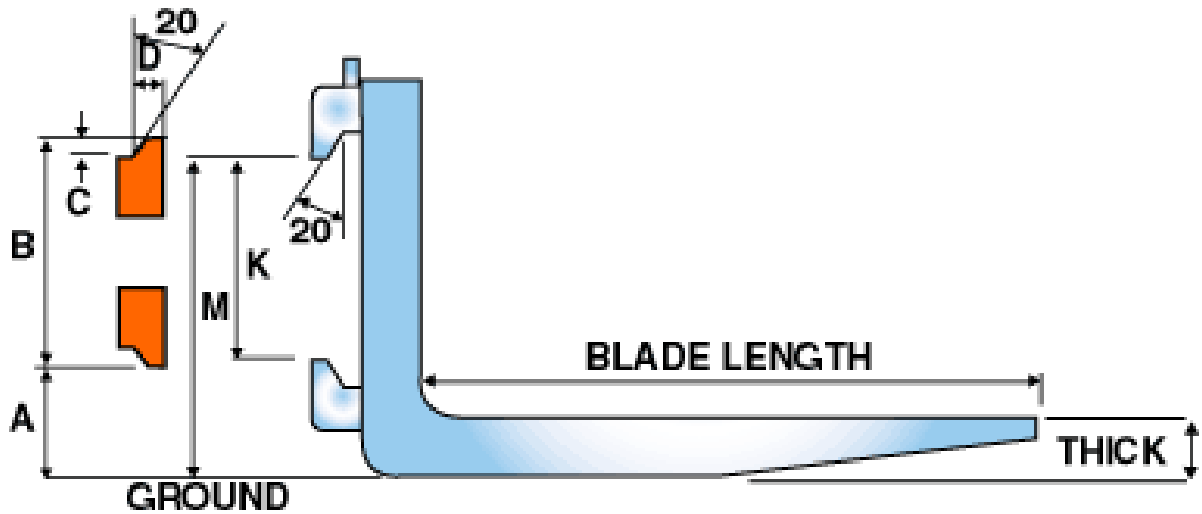
A calculation of lifting capacity / residual capacity for any forklift to be used, must be made according to Federal, State, and local regulations.

Preparation of the Forklift/loader**Forklift requirements**

- Electrical power, available in the cabin.
 - 12 V Dc or 24 V Dc system
 - Requires 10 amp with fuse
- Hydraulics, available at the front of the forklift.
 - The Forklift or Loader needs to be equipped with an extra 2-way hydraulic circuit.
 - This needs to be able to deliver:
 - 200 bar/2,900 psi (not more than 250 bar/3,626 psi) forward
 - Not more than 10 bar on return valve.
 - Maximum 50 l/ 18 US gal pr. minute.
 - The Just Easy Tool is always as standard delivered with hydraulic attachments of the type: Screw coupling M18x1.5 – M36x2. As an alternative solution a Hydraulic Quick Shift can be delivered on request.
- Forklift Lifting capacity:
 - Should be according to the regulations in local area, eventually based on a de rate from the Forklift service centre.

The FEM ISO STANDARD:

The FEM standard is a standard based on the measurements shown in the drawing below and table T1.



ISO standard	Forks/ mm/(inch)		Carriage mm/inch			
	M	K	A	B	C	D
Class A, B						
I	394	306	76	331	13	16
II (Inch)	470 18.5	382 15,0	76 3	407 16.0	13 0.5	16 0.6
III (Inch)	568 22.4	477 18.8	76 3	508 20	16 0.6	21,5 0.8
IV	743	598	127	635	19	25,5
V	830	680	127	728	25	34

Table T1; shows the standard measurements for the FEM standard. The marked FEM categories are not compliable with Easy Stacker 1200s.

Disclaimer

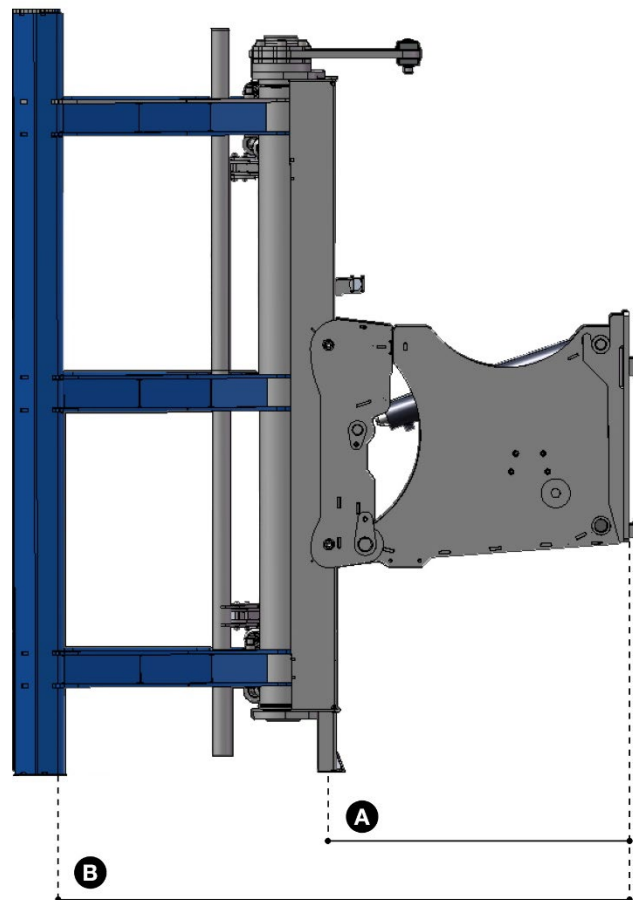
Regardless any given information the driver and the owner are always responsible to make sure the Easy Stacker 1200 is used according to local and regional regulations and that the tool is attached according to requirements of the forklift producer

Just Easy Tool configuration	Face Carriage to CoG		Carry face to rear load face		Rear load face to load center		Weight		Maximum allowed load	
	mm	in	mm	in	mm	in	kg	lbs	kg	lbs
Easy Stacker 1200	(A) 825* ¹	32.5* ¹	(B) 1.580* ¹	62.2* ¹	600	23.6	725* ¹	1.598* ¹	750	1.654
FEM II Fork Module* ²	145* ¹	5.7	238.5* ¹	9.4	-----	-----	108 / 183* ¹	238 / 403* ¹	2.499	5.500
FEM III Fork Module* ²	150* ¹	5.9	248.5* ¹	9.8	-----	-----	120 / 195* ¹	264 / 430* ¹	4.999	11.000
FEM IV Fork Module* ²	160* ¹	6.3	262* ¹	10.3	-----	-----	140 / 215* ¹	308 / 474* ¹	8.000	17.635

Table: The values are all made for the Tools in driving position and valid for the tools in horizontal or vertical position. They are not valid for any positions in between.

*1. Including quick shift

*2. Depending on the chosen forks



The picture shows the value A and B from the table above



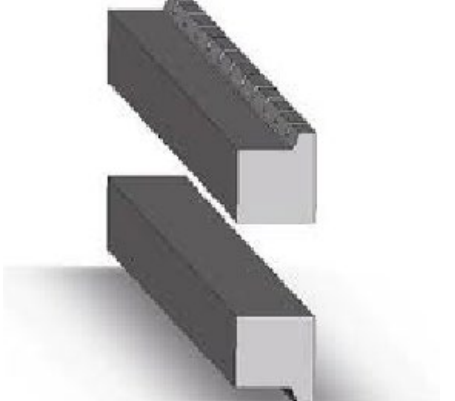
Coupling system



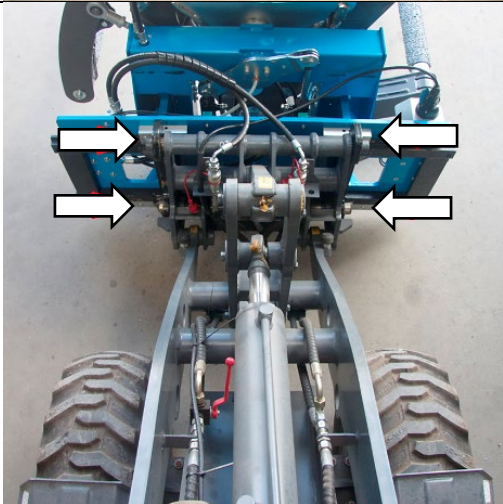
The owner and the person responsible for the machinery always have the responsibility to check that the mechanical and hydraulic connexions are intact and in perfect working conditions in accordance with the locally applicable regulations for forklifts and attachments.

Fitting a loader quick shift plates to a FEM standard

The Easy Stacker 1200 is built to fit a standard FEM II or FEM III forklift carriage, normally used for the forks for pallet lifting. The FEM system is a standard used within the industry that makes it easy to mount and demount forks, but also to slide forks from side to side on the FEM bars.

Typically, it looks like this:

	<p>Picture 4.1</p> <p>The forks and the FEM mounting plate attached to the forklift or the loader:</p> <p>The FEM 2 or FEM 3 applies as a standard attachment to all our tools. The Easy Stacker 1200 can simply be mounted onto these after the forks have been removed.</p>
	<p>Picture 4.2</p> <p>A loader mounted with a standard FEM plate on a quick shift attached with forks.</p>
	<p>Picture 4.3</p> <p>These “weld on parts” are basic the top and bottom beam of the FEM 2 or 3 bar.</p> <p>They are meant for welding on the right attachment for the loader with the right distance between the top and bottom bar.</p>


	<p>Picture 4.4</p> <p>FEM 2 or 3 plates welded on with the correct measures according to the standard. Simply weld on to the backside of the forklift attachment.</p>
	<p>Picture 4.5</p> <p>This is an example of loader quick shift attachments, which can be welded on to the FEM attachment plates.</p>
	<p>Picture 4.6</p> <p>This picture shows a correct mounted Easy Stacker 1200 on a FEM plate.</p> <p>The 4 arrows show the correct mounted FEM blocks and the correct position of the loader in the middle of the FEM plate.</p>

When the loader has been equipped with a FEM standard plate the attachment of the loader to the Easy Stacker 1200 will be the same as with a forklift with a FEM standard.

Installation of the Easy Stacker 1200 on forklift or loader

Mounting information

Easy Stacker 1200 is as standard designed to be mounted on all types of vehicles with an ISO/FEM/ITA class 1, 2 or 3 carriage.

	<p>Installation Instruction! Hydraulic pipes (pipes and screwed joints) are ex works assembled according to standards. All screwed joints must be tightened and retightened after first 5 working hours!</p>
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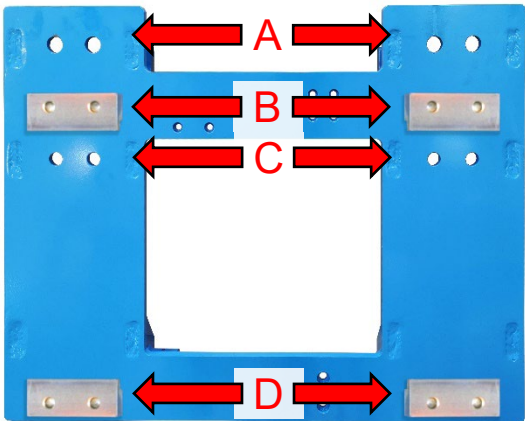
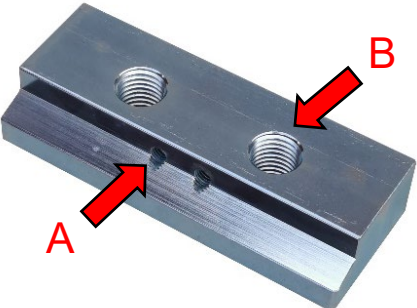
Quick Shift Module

A part of the Quick Shift Module are the FEM-blocks which must be used for mounting the Quick Shift Module on the FEM Carriage of the forklift/lifting equipment. The FEM-blocks are delivered along with the Quick Shift module according to the size ordered.

Attachment of Quick Shift to forklift or loader

Before mounting the Quick Shift on the forklift/lifting equipment the upper FEM-blocks must be mounted on the backside of the module in height suitable to the actual FEM standard of the forklift.

The bolts (2 in each block) must be tightened to 250Nm. / 184 lbf x ft. One piece of FEM is to be mounted on each side.

	<p>Picture 5.1</p> <p>FEM attachment module for forklift. A: Holes for FEM III Blocks B: Holes for FEM II Blocks C: Holes for FEM I Blocks D: Bottom holes to be used for all blocks</p> <p>NOTE! FEM blocks differs from size to size and must be placed horizontal in correlation to each other.</p>
	<p>Picture 5.2</p> <p>FEM Block The picture is an example of a FEM II Block. FEM III is bigger, and FEM I is smaller.</p> <p>A. Thread for safety bolt B. Thread for mounting bolts</p>



Picture 5.3

Mount upper FEM blocks first and tighten bolts to 250Nm. Hook the Quick shift module on the carriage of the forklift / Loader.

When mounted on vehicle, mount bottom FEM blocks as the last ones with 2 bolts each. Bolts must be tightened 250 NM/184 lbf x ft.



Picture 5.4

The top FEM Blocks **must be** secured against sideways movement with the locking bolt fitting in the notches of the carriage.



Picture 5.5

Bottom FEM blocks are mounted as the last ones with 2 bolts each. Must be tightened 250 NM/ 184 lbf x ft.

The Quick Shift module is now mounted on the lifting equipment.

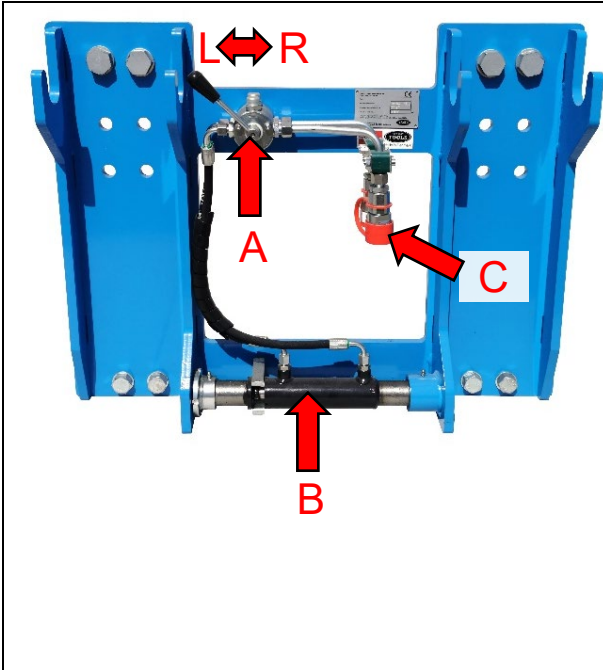
NOTE!

Picture 5.1 position B illustrates 2 FEM blocks mounted on a Quick shift class "ISO/FEM 2"

By scanning the QR code below, you will see a video of how the correct mounting of a FEM-module is done:



Correctly mounted Quick shift module



Picture 6.1

Diverter valve on the Quick Shift

The diverter valve (**A**) on the Quick shift has 2 positions. When the operating lever is turned left (**L**) (as shown in picture), the oil from the forklift will be led to the locking cylinder (**B**).

The operating lever is only to be in this position during dismantling/mounting Easy Stacker 1200 on the Quick shift.

Turning the diverter valve (**A**) operating lever to the right (**R**), will lock the lock cylinder (**B**) and oil will instead be led to the hydraulic coupling (**C**).

Electric installation

The installation of the electrical connections must be carried out by a qualified service technician from the Forklift/loader supplier.

Electrical mounting kit

A preinstalled electrical mounting Kit to be used between the cabin control and the Easy Stacker 1200, including an 8 m hyper flexible cable with pre mounted Deutz connectors.

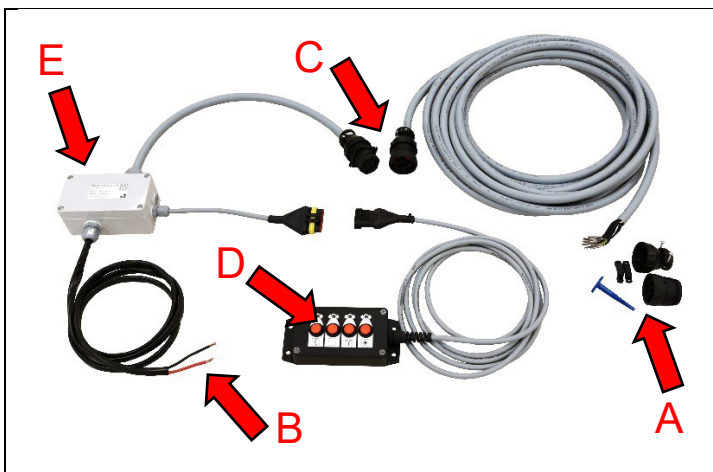
- This is a plug and play type of installation. We have chosen a high-quality cable that has the right dimensions to avoid power loss over the 8 m length.

The Easy Stacker 1200 electrical system is as standard a:

- 12 or 24 V Dc system (to be stated at time of order)
- Requires 10 amp.

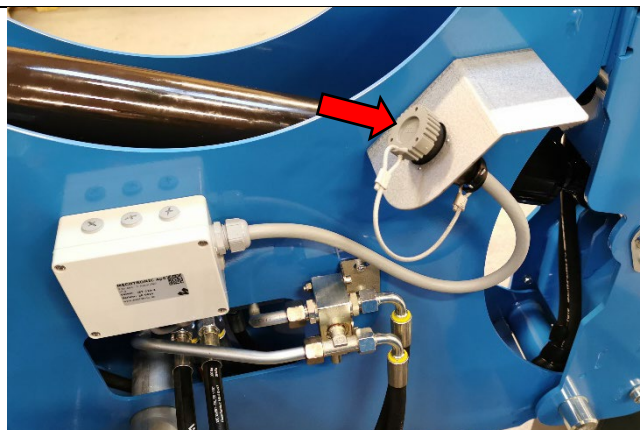
The only electrical connection to be made is inside the cabin where there will be a red (plus) and black (Ground) wire to connect to the electrical system of the forklift / loader / telehandler.

NOTE! Bracket for mounting the control unit have to be provided by the service company mounting the Easy Stacker 1200 and it has to be mounted in accordance with forklift manufacturer guidelines for installations on the forklift.



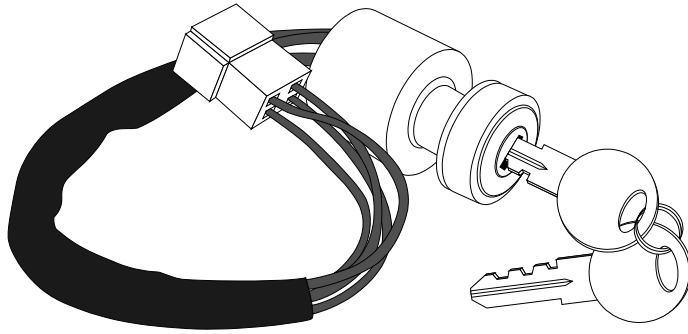
Picture 7.1

- A. The connector to attach on the Easy Stacker 1200
- B. Wire for +/- electrical connection to the forklift.
- C. Male and Female connector
- D. The control unit for the Easy Stacker 1200
- E. Terminal box



Picture 7.2

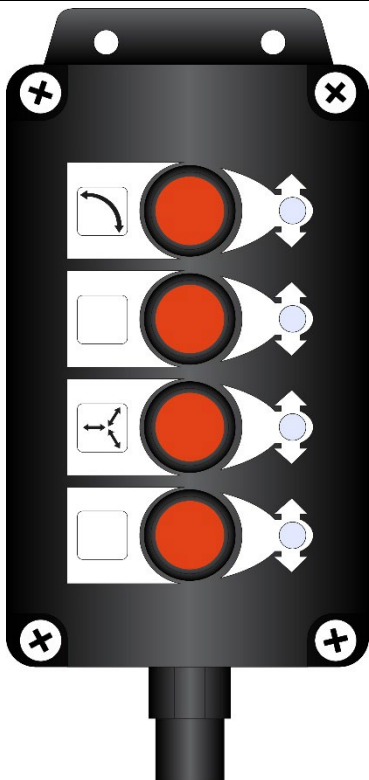
The plug to be joined with the connector A from picture 7.1.



Picture 7.3

The wiring for electric connection **must** be wired over the forklift's ignition switch on the secondary side, as the Easy Stacker 1200 can drain the battery if connected directly to power supply.

NOTE! This installation must be carried out by a qualified technician.



Picture 7.4

Control unit

To be mounted inside the forklift cabin close to the hydraulic handles.

The Control must be mounted inside the cabin in a position where it can be used in combination with the hydraulic handle, but not in such a way, that it may become an obstacle or hazard in the daily use of the forklift.

The control unit is used to choose which function of the Tool to be activated.

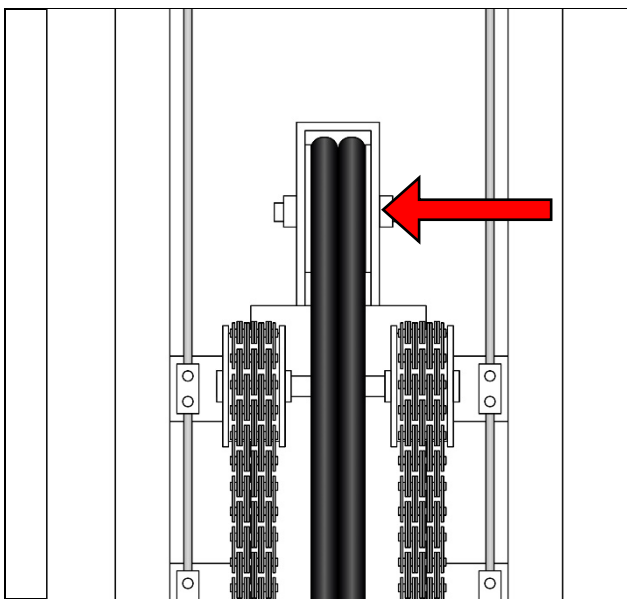
When pressing a button, the chosen function will be displayed by led light

Protection of electrical connection from the Easy Stacker 1200 to the vehicle

The Easy Stacker 1200 needs an electrical connection between the Easy Stacker 1200 and the driver's cabin. This electric cable is a special designed cable, delivered with the electrical system. The cable has a diameter of 12.6 mm.

The cable must be wired through the forklift mast in a way that it cannot be damaged when operating the forklift mast. We strongly suggest **protecting the wire inside a hydraulic hose or similar**, when mounted over the forklift tower (part of the delivery).

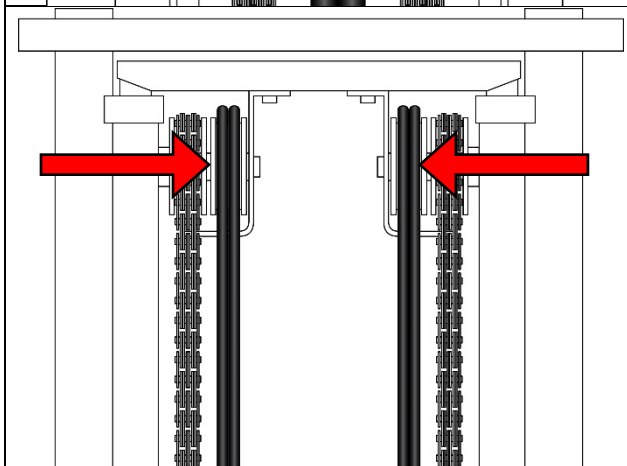
When mounting the electrical system on loader or telehandler, please observe that the wiring is carried out in a way that the wire from the cabin to the Easy Stacker 1200 is firmly protected. Furthermore, please observe that the wire is mounted through the mast in the same way as the hydraulic hoses for the Easy Stacker 1200.



Picture 8.1

Picture of a forklift with the hydraulic hoses running at the centre of the mast. The arrow shows where an extra cable wheel could be attached if not present.

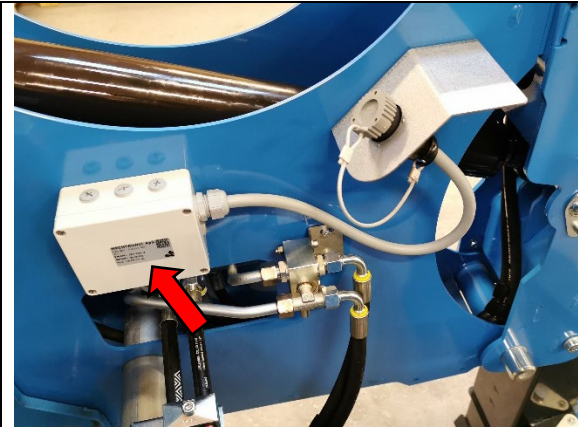
NOTE! This is to be done by the forklift Service partner



Picture 8.2

Picture of a forklift with the hydraulic hose running at the top of the tower. The forklift has an additional wheel attached on the right side for the control cable.

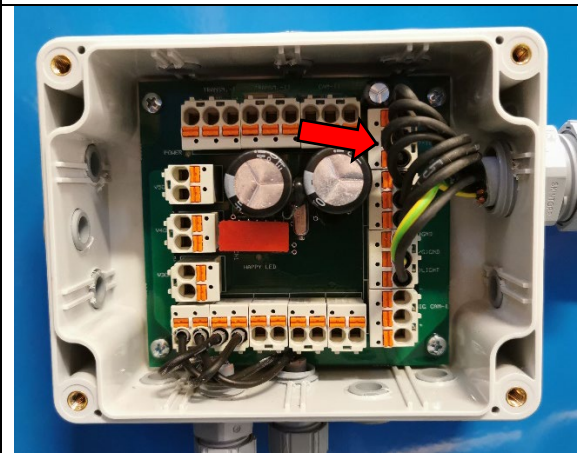
The JET 100 system control box



Picture 9.1

IF problems concerning changing of functions after installation should occur, please check that 12 V (or 24 V) is available at the JET power box on the Easy Stacker 1200.

If the voltage is less than 11.5 Volt / 23,5 Volt, the electrical parts may not work correctly.



Picture 9.2

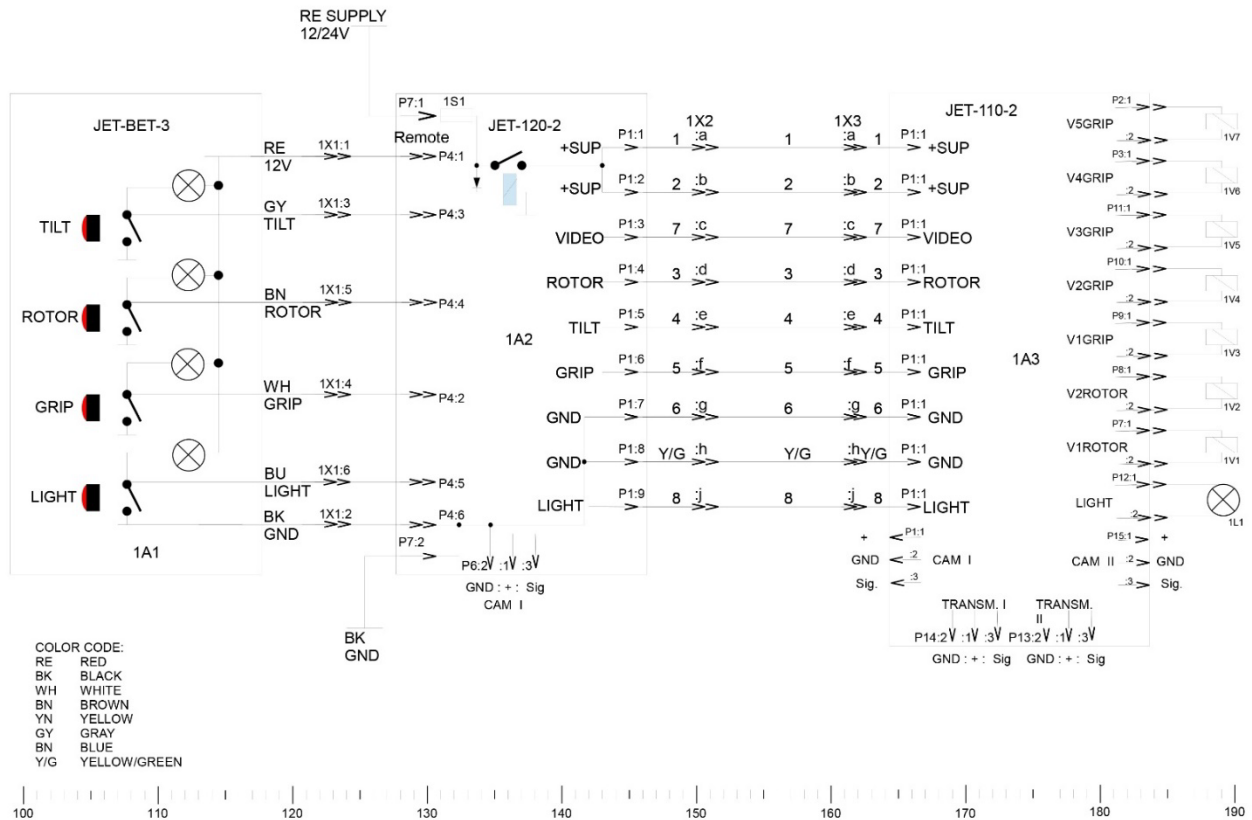
The slots are named at the circuit board. Wire number a+b = +12 / 24 volt and g+h = ground. Please check electrical diagram on page 29.

These can be checked for voltage if problems with changing between functions.

NOTE! Only to be carried out by Qualified technicians.

NOTE: All electrical and hydraulic work to be carried out on the forklift **must** be carried out by a certified service partner from the forklift company. We strongly advise that the solution regarding the wiring is done according to the forklift manufacture guidelines.

The JET 100 system schematic



By scanning the QR code below, you will see a video of how the correct mounting of the electrical control system is carried out:



NOTE! - Mounting electrical connection on a loader/telehandler

Same procedure as on a forklift except that on a loader/telehandler the electrical wire needs to be attached from the attachment to the cabin in a way, that it cannot be damaged when the extended arm of the loader/telehandler is being used. Normally this can be done by following the other connections like hoses etc. – or alternatively use a re-tractable cable drum.

This work should only be carried out by qualified technicians.

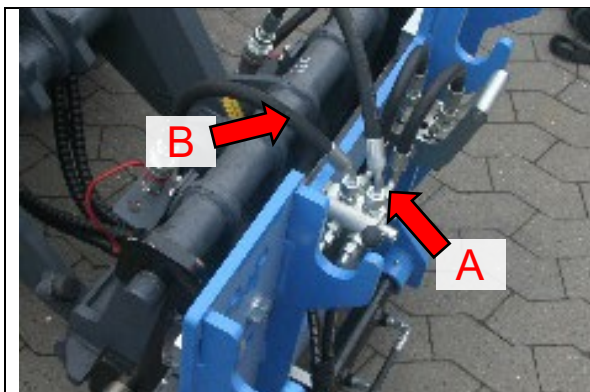
Hydraulics

The forklift or Loader needs to be equipped with a spare 2-way hydraulic valve to be dedicated to the Easy Stacker 1200. On forklift we normally use the fourth proportional control valve. If, however, the forklift is not equipped with 4 proportional valves, we normally use the valve dedicated to the side shift of the forks.

The 2-way hydraulic valve needs to be able to deliver:

- 200 bar (not more than 250 bar/ 3,626 psi) forward
- Not more than 10 bar / 145 psi on return valve.
- Maximum 50 l / 13 US gal pr. minute.

The hydraulic attachment of the Just Easy Tool is always connected to the diverting valve on the Quick Shift. This is a 3/8" BSP connection. From here, the 2 hoses must be connected to the forklift.



Picture 10.1

Here, the diverting is valve shown on a loader where the hydraulic hoses from the loader can be seen.

A: the diverter valve: 6/2 with 3/8" BSP
B: Hydraulic hoses for the oil supply



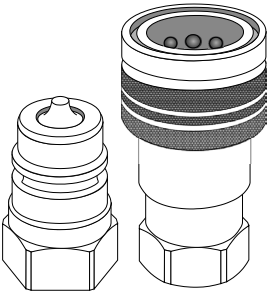
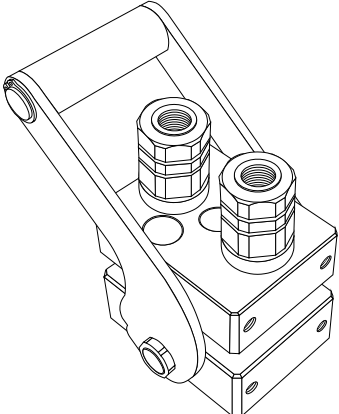
Installation Instruction!

Hydraulic pipes (pipes and screwed joints) are ex works assembled according to standards. All screwed joints must be tightened and retightened after first 5 working hours!

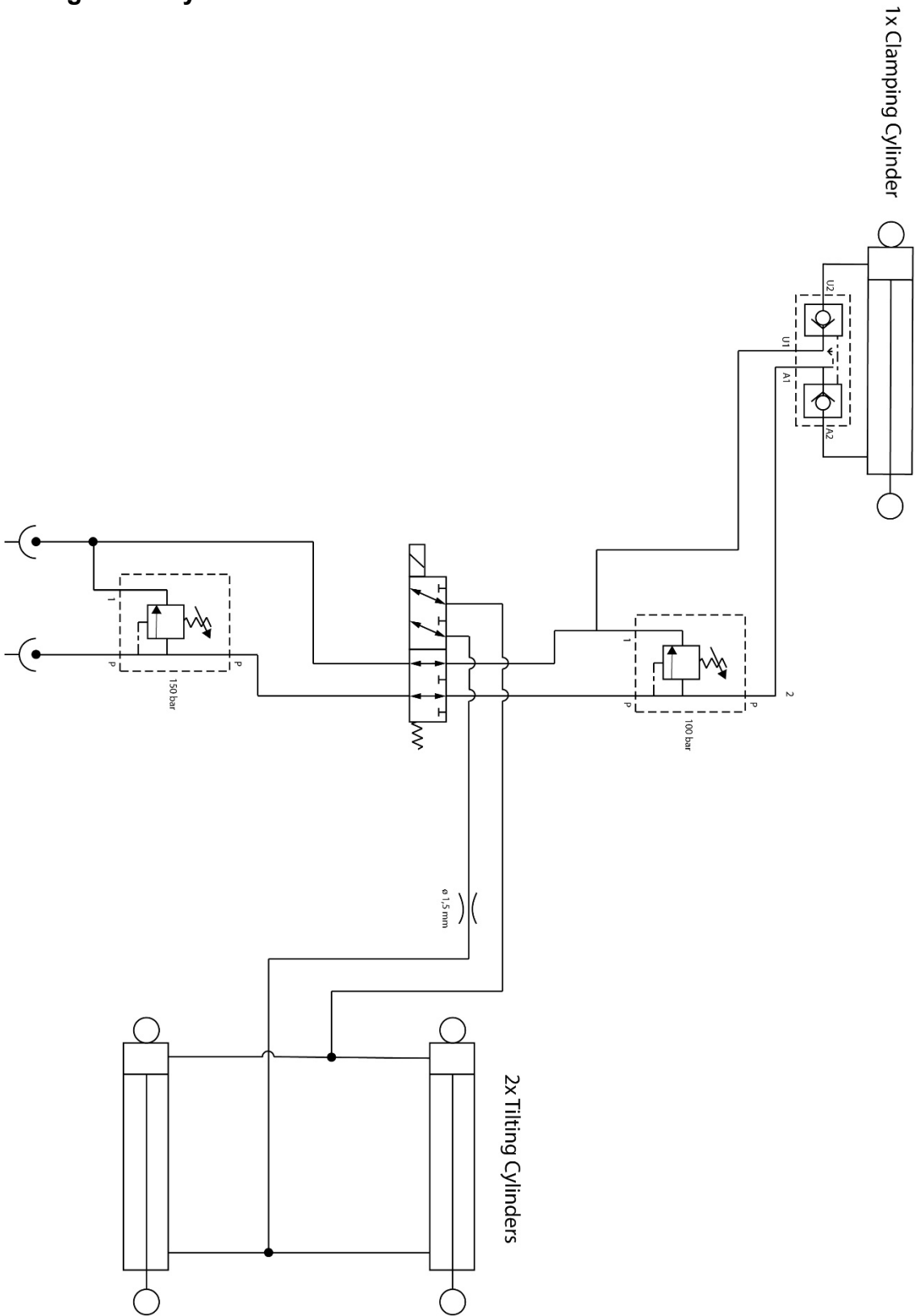
The Hydraulic supply dedicated to the Easy Stacker 1200 can be a spare hydraulic connection or it can be connected instead of the side shift function. If taken from the side shift function, we recommend building in a second diverting valve in order to keep shift function with the Easy Stacker 1200 attached.

NOTE! All changes to the hydraulic system of a Forklift or loader must be carried out by technicians from an authorised service provider.

Between the JET Quick shift module and the Easy Stacker 1200 2 options of connections (screw couplings or hydraulic multi quick shift) connections are being offered.

	<p>Picture 10.2</p> <p>A male/female hydraulic connection</p> <p>This is the standard solution delivered if no other requests.</p>
	<p>Picture 10.3</p> <p>A Quick shift connection</p> <p>For easy and swift connection / disconnection of the hydraulics in one movement.</p>

Hydraulic diagram Easy Stacker 1200




Instructions for use

Easy Stacker 1200 is designed to be handled on a standard forklift or loader.

It is the responsibility of the owner and driver to secure that the used forklift or loader can operate and lift the Easy Stacker according to local and regional regulations

During all work on the Easy Stacker it is the responsibility of the owner /driver to secure that no unauthorized person is within the reach of the Easy Stacker during the work.

Authorised service personnel must do all mounting, service, and repairs regarding the Easy Stacker. All unauthorised service mounting and repair will be the responsibility of the owner

	<p>Never carry out cleaning or lubricating jobs with raised Easy Stacker 1200!</p> <p>Lower Easy Stacker 1200 to rest on the ground after completion of work</p>
---	--

General

The Easy Stacker 1200 is to be operated on a forklift or a loader that will work the Easy Stacker 1200 as a tool.

The Easy Stacker 1200 is operated by the hydraulic controls of the forklift/loader. The Easy Stacker 1200 requires a double acting hydraulic proportional valve.

The various functions of the Easy Stacker 1200 are then chosen from a remote control controlling the valves on the machine.

The Easy Stacker 1200 functions are operated by the remote control. By choosing the desired function on the remote control, a LED light will be activated indicating the chosen function.

The remote control will in that way switch the Stacker to the chosen function and stay there, until another function is chosen -or if the power has been turned off, which will cause the Easy Stacker 1200 to return to basic setting, which is the tilting function.

NOTE! The buttons of the remote control must be activated for about ½ second in order to allow change of function.

Control descriptions

The remote control is to be placed in the cabin within reach of the driver allowing the driver to change function of the Easy Stacker 1200 by activating the remote control.

The remote is supplied with pictograms indicating in which direction the lever on forklifts hydraulics shall be operated to work the Stacker. If the hydraulics works in the opposite direction, stop, and have authorised service personnel to switch the hydraulic connections. The functions of the Stacker are OPEN/CLOSE or TILT in the requested direction.

If there is a fault in the control system or power supply of the forklift, then the Easy Stacker 1200 will only be able to Tilt up and down as a safety function.

Easy Stacker 1200 remote control is designed with the following functions:

	<p>Picture 11.1</p> <p>The remote of the Easy Stacker 1200 controls the 2 functions as mentioned above.</p> <p>A: the various functions</p> <ul style="list-style-type: none"> • Tilt • Spare • Open / close • Spare <p>The arrows indicate the direction the hydraulic handle of the forklift should be maneuvered to obtain the desired movement.</p> <p>B: Activate the different functions</p> <p>C: Red LED indicating active function</p> <p>The first button “down-up” will activate the Tilt of the Stacker</p> <p>The third button will activate the opening and closing around the tire(s). Open and close</p> <p>The second button is spare button.</p> <p>The fourth button is spare button.</p>
<p>Choosing function</p>	<p>The buttons need to be activated for more than 1 second to activate chosen function.</p>

Example:

By activating the "down-up" button, the hydraulic oil will be ready to be directed to the cylinders tilting the Easy Stacker 1200 between horizontal and vertical position. The Easy Stacker 1200 will not change its position by pressing the remote control.

Only when activating the operating-lever of the forklift, the hydraulic oil will be led to the cylinders of the tilting function.

Attaching the Easy Stacker 1200 to the Quick Shift

When the Quick Shift is mounted to the forklift/loader it is easy to switch between different Easy Stacker 1200s or fork module within ½ minute.

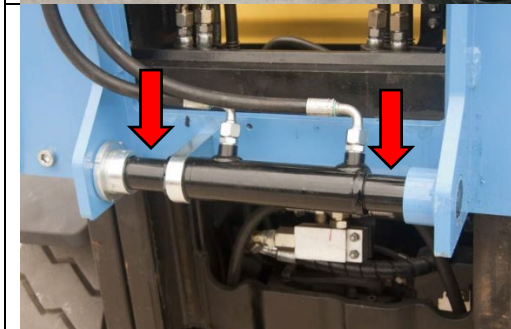
Hose couplings can only be mounted/dismantled when valve operating lever on Quick Shift is in left position. After screwing the hose couplings securely together, turn the valve lever to the right and the Easy Stacker 1200 is open for oil from e.g. forklift.

To attach the Easy Stacker 1200 to the Quick Shift



Picture 12.1

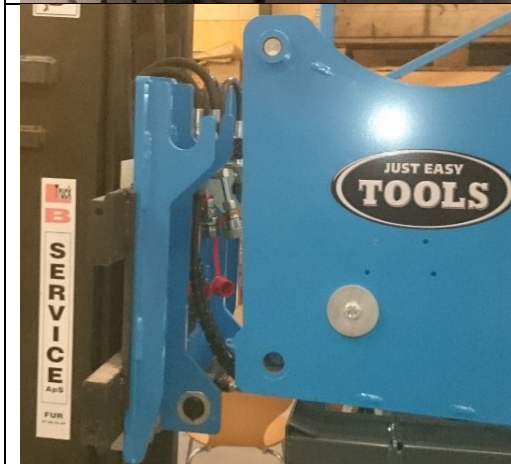
When attaching the Easy Stacker 1200, please make sure it is placed on a firm solid ground and that the arms are opened wide as shown in picture.



Picture 12.2

Make sure the Lock cylinder is in open position.

As indicated, there is no visual part of the hydraulic cylinder.



Picture 12.3

Approach the Stacker 1200 careful with the Quick shift attached to the forklift

Make sure the Quick shift is lowered sufficiently to fit under the attachment of the Stacker 1200



Picture 12.4

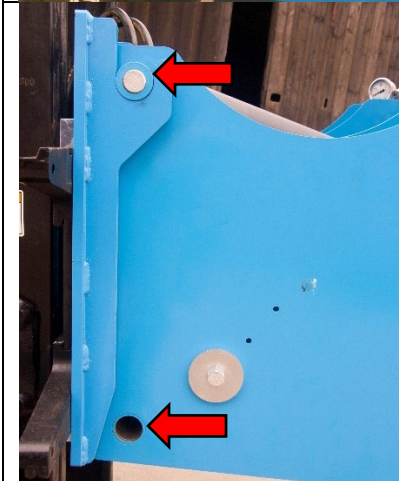
Make sure the Quick shift module and the Stacker 1200 are aligned - especially were indicated by the arrow.

NOTE! be careful not damaging hoses and electrical wire!



Picture 12.5

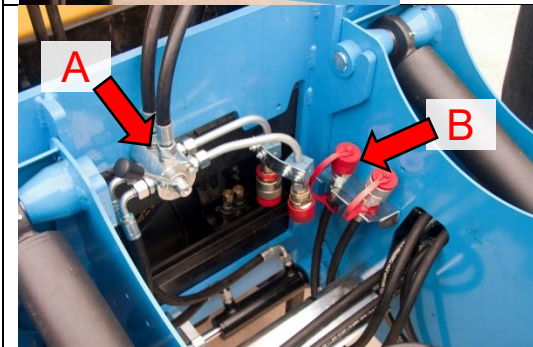
Lead the U-hook on the Quick Shift module under the Easy Stacker pivot. Then raise the Quick Shift module until the Easy Stacker pin bolts fits firmly in the U-hook. Then tilt the Quick Shift module backwards until free passage for the lock cylinder.



Picture 12.6

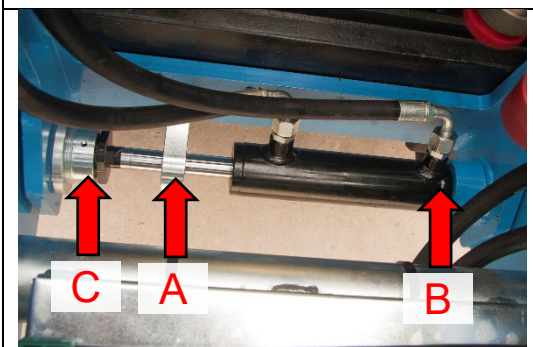
This picture indicates how a correct mounted Stacker 1200 must be attached to the Quick Shift module.

The arrows indicate the points that need to be aligned.



Picture 12.7

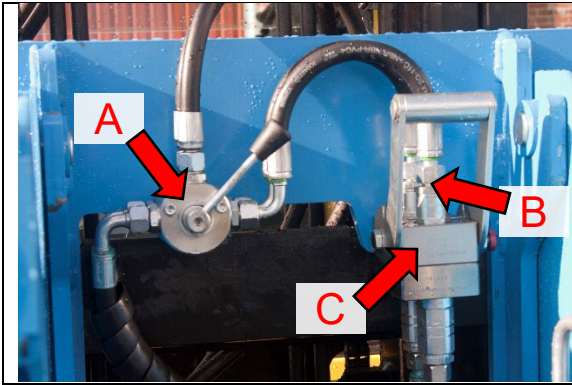
- A. The handle of manual operated Valve must be turned to its left position seen from the front end, for locking the lock cylinder.
- B. Connect the hoses from the Easy Stacker 1200 on the Quick Shift module. The couplings are screw couplings provided with dust shields. The dust shields must be removed before use and put back on after use. This protects the hydraulic system from dirt and dust.



Picture 12.8

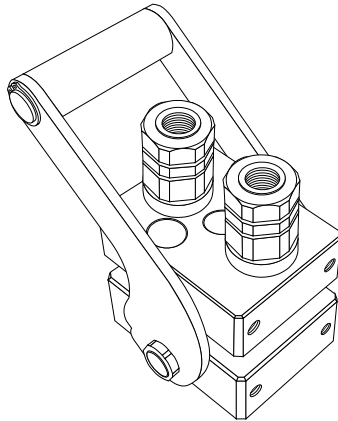
The Lock cylinder in the right position after it is locked.

- A. The shaft can be seen
- B. There is no air on the right side
- C. There is no air on the left side



Picture 12.9

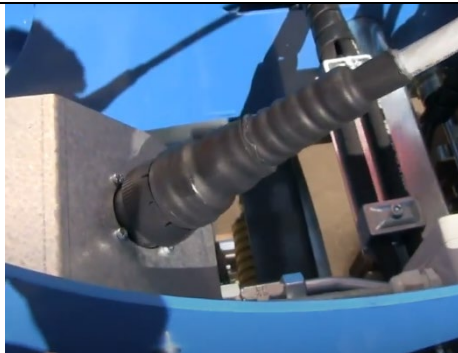
When Stacker 1200 is attached, make sure diverter valve **(A)** is turned to the right side where hydraulic are attached **(B)**, here with quick lock multi hydraulic coupling **(C)**.



Picture 12.10

Multi hydraulic coupling **(C)**

This is an option/accessory. The stacker can be delivered with a quick lock coupling element for the hoses. Please note, a red locking mechanism has to be depressed before opening the coupling. In lower position the lever will open for the coupling and in upper position (as shown in picture) the hydraulics are firmly connected.



Picture 12.11

Insert the dedicated power connector from the forklift into the plug inside the Easy Stacker 1200.

The Easy Stacker 1200 is now ready for operation.

Disconnect the Easy Stacker from the forklift in the reverse order according to the steps described above. When disconnecting the electric cables and hydraulic hoses from the Easy Stacker it is important that these are stored/handled in a safe way until the next connection.

By scanning the QR code below, you will see a video of how the correct attachment of the Easy stacker to the quick shift module is carried out:



Correct use of Easy Stacker 1200

As basic it is recommended that the closing-function is opened - ready to grip tires.

	<p>Before start working check the loader/forklift and the Stacker as listed below:</p> <ul style="list-style-type: none">• Ensure that all components are firmly attached.• Repair or replace damaged, excessively worn, or missing parts.• Ensure that protective devices and covers are in good condition and properly mounted.• Make all the required adjustments on the Stacker and on the loader/forklift.• Regularly check the tightening torque of all bolts and nuts.• Ensure that all components are lubricated regularly.
	<p>Picture 13.1</p> <p>In this position the 2 lower stacker surfaces are horizontally aligned and ready to grip tires.</p>
	<p>Picture 13.2</p> <p>Position the Stacker 1200 aligned over the tires to be picked up. Lower the Stacker over the tires and close the gripping surfaces. As the gripping surfaces closes, the 2 support tubes automatically follow the closing movement to support the stack of tires to be moved.</p>



Picture 13.3

When tires are appropriately gripped in the Stacker, the stacker can be tilted to vertical position for stacking tires in a store or in a lorry. The Stacker is designed to move stacks of tires up to 2.100 mm in height at a time



Picture 13.4

If Max loading height in the lorry for example is 3,100 mm move at first 1.000 mm. tires and then put the remaining 2.100 mm on top of the first part of the stack.



Picture 13.5

Please be aware of the squeezing force of the Stacker. Only at rare occasions maximum clamping force is needed. Picture 4.5 indicates a single tire in the Stacker affected with app. 30 % closing force – which usually is sufficient. If a tire should become "triangular" during the clamping process, the clamping force applied is too excessive. In this case there is risk of damaging tires and rims.

Cautious use of Easy Stacker 1200

The Stacker has 2 functions, both functions require cautious use. TILT and SQUEEZE (GRIP)-function.



Picture 14.1

Caution when using TILT-function (see picture) among other things a risk of damaging the stacker if stacker arms touch the ground. Also risk of squeeze between clamping part and tilting part of Stacker.



Picture 14.2

SQUEEZE/CLOSE (GRIP)-function. The position of the stacker arms varies a lot when using the SQUEEZE-function.

No persons are allowed to stay in the vicinity as this can cause personal damage.

Neither persons nor any parts of the body (arms, legs etc..) are allowed in the working area when operating the stacker. Staying nearby involves great danger of permanent personal damage.





Picture 14.3


Danger of squeezing persons and/or material may occur when Easy Stacker opens and/or is being tilted towards vertical position as illustrated.


IMPORTANT!

Always secure that the gripping surfaces have full contact with the tires, and that the tires are inside the stacker arms before closing the stacker.

 <p>DANGER</p>	<p>No persons are allowed to stay in the operating area of the Stacker. Constantly observe your working area. Make sure that no people or animal enters the working area.</p>
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 <p>DANGER</p>	<p>No persons are allowed in the vicinity of the Stacker when it is being operated.</p>
--	---

 <p>DANGER</p>	<p>Easy Stacker 1200 is a tool with elements of danger when in use. Protruding parts may change position fast during work, which may cause damage of machine or personal injuries.</p>
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 <p>WARNING</p>	<p>Only operate the Easy Stacker 1200 with its own attachments. Never carry out jobs with implements not designed for the work. The Stacker unit must only be attached and removed by the operator.</p>
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Maintenance

Never carry out maintenance with the Easy Stacker 1200 raised. Avoid carrying out maintenance operations if lighting is insufficient. Only carry out maintenance if the machine is at normal room temperature. When maintenance of the loader/forklift is to be carried out, disconnect the Easy Stacker 1200 to allow safe access to the parts to be checked, replaced, or adjusted. Maintenance of the Easy Stacker 1200 must be carried out when the Stacker is connected to the loader/forklift.

Before performing maintenance operations on the Easy Stacker 1200, clean it carefully and, if necessary, wash the parts to be lubricated (greasing points); this applies above all when carrying out inspections on the hydraulic circuit.




Before inspecting the hydraulic equipment and connections, drain residual pressure completely.


NOTE:

DO NOT USE HIGHPRESSURE CLEANER for anything else but the gripping surfaces.

This section indicates the timing of service and maintenance that relates to the Easy Stacker 1200; for those relating to the forklift, please refer to the specific user manual of the forklift. The timing indicated is valid for normal use. If the Stacker is subject to severe use, the periods between maintenance operations should be reduced accordingly. The time intervals are indicated in actual working hours of the Easy Stacker 1200.

According to legal requirements related to loader application on public roads, owner and/or user of Stacker is responsible for regular leakage checks on lever valves, hoses, and cylinders. Your qualified service partner will find the limiting values in this manual.


 WARNING	It is very important to re-torque all fastening bolts after the first 5 operating hours!
 WARNING	Before commencing maintenance, make sure you are wearing your personal protecting gear (protective overalls, gloves, goggles, protective footwear, etc.).
 DANGER	Liquids leaking under high pressure (diesel fuel, hydraulic oil) can penetrate the skin and cause severe injury. If injured contact your doctor immediately!

	<p>Never carry out any repair, cleaning, or lubricating jobs with a raised Stacker! Lower or remove Stacker. Always lower Stacker after completion of work.</p> <p>The instructions and guidelines published by the manufacturer of the loader apply to the service and maintenance of the hydraulic system. Scrupulous cleanliness is essential when working on the hydraulic system. Use of clean hydraulic oil is imperative and necessary for the trouble-free function of the hydraulic system.</p>
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Cleaning the Stacker

When cleaning the Stacker. **Do not** use high-pressure cleaner, as this may cause damage to the hydraulics and the electrical system. The gripping surface must be free from dirt, as this could affect performance and safety e.g. the ability of gripping tires. The contact surfaces of gripping surfaces and tires must be clean, intact, and free from e.g. ice, snow, and other obstacles.

If the coating is damaged, corrosion can appear on the steel construction. Extensive corrosion weakens the construction and makes service repair necessary. Please contact the manufacturer for further information. When contacting the manufacturer, we recommend you state the chassis number of Easy Stacker 1200. The chassis number appears from the identification plate on the frame.

	<p>Never use the Stacker if there are sign of damages, oil leaks or malfunctions.</p>
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In case of any bend parts on the Easy Stacker 1200, or if any welding shows signs of cracking, or the hydraulic has any leak - or any other damage has occurred, the Easy Stacker 1200 cannot be used for work. Repair of the Easy Stacker 1200 is only allowed in agreement with the manufacturer. If any repairs are carried out without consulting the producer or by using unauthorized parts, Just Easy Tools will not grant any safety or guarantee.

In case of frost

Be extra cautious in case of frost. The coupling might seem stiffer and more insecure, please check for ice and frozen material. The gripping tubes can be slippery due to ice or snow. Clean the surfaces for ice or snow before commence working.

Maintenance plan

Time plan	Before first use	First 5 hours	For every xx working hours			
			10 hours	50 hours	100 hours	250 hours
Check Bolts ¹	XXX	XXX		XXX		
Greasing ²	XXX		XXX			
Check hydraulic hoses	XXX	XXX		XXX		
Check for damaged /bend parts/ broken welding etc.	XXX	XXX		XXX		
Check gripping surface	XXX	XXX			XXX	

1) According to scheme

2) According to scheme

Lubrication

Easy Stacker 1200 is provided with greasing points on hydraulic cylinder and the moving mechanical parts. These must always be properly lubricated in order to keep the warranty.

Before lubrication please make sure all greasing points are clean and in working order.

If greasing is not possible due to a damaged greasing point or the greasing point does not attract grease, these must be repaired or replaced, before the Easy Stacker 1200 returns to work.

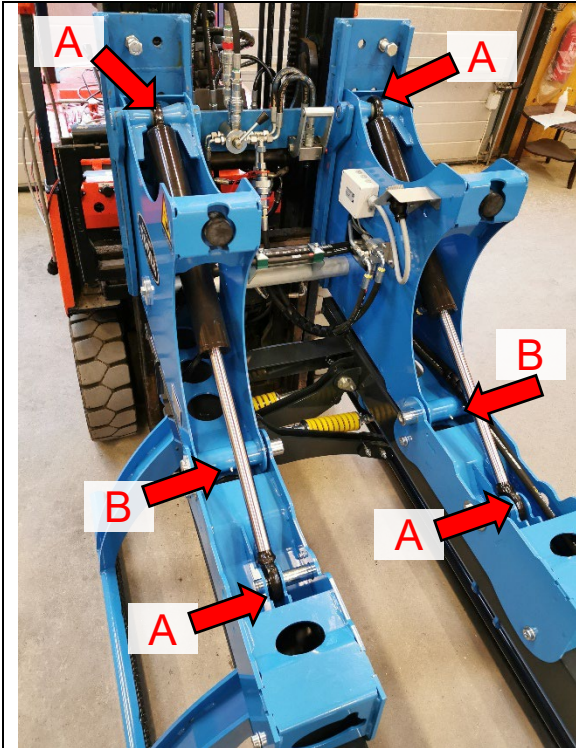
When greasing: One pump on grease gun is defined as app. 1 cm³ of grease.

We recommend the use of grease according to:

- DIN 51 502 category KP2K-30
- ISO 6743-9:1987 category ISO-L-XCCIB2

For hydraulic oil and grease specifications, please see page 16.

Greasing points



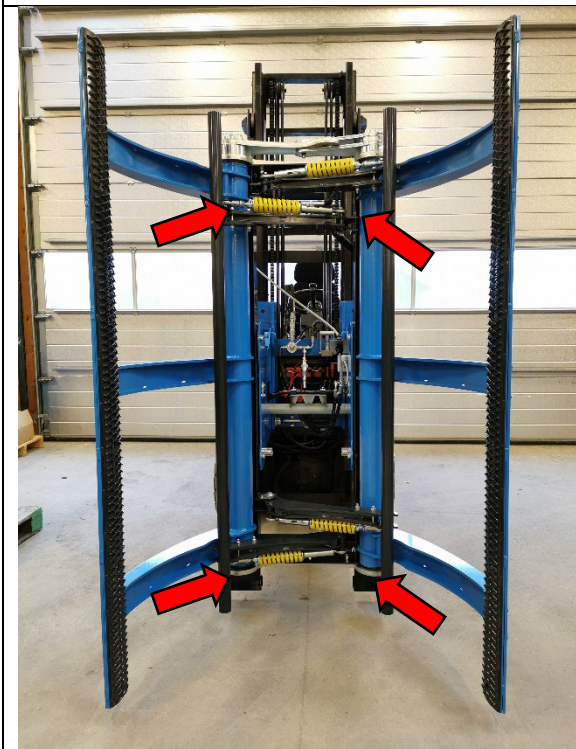
Picture 15.1

A: Tilt cylinder

2 points at each cylinder to grease

B: Tilting point

2 points to grease



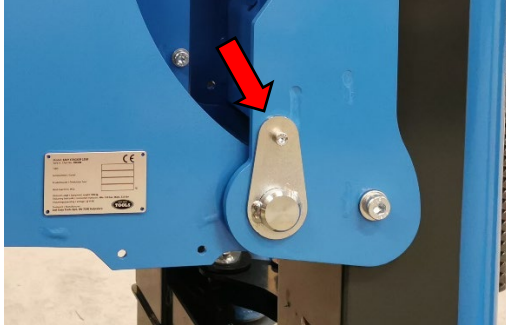
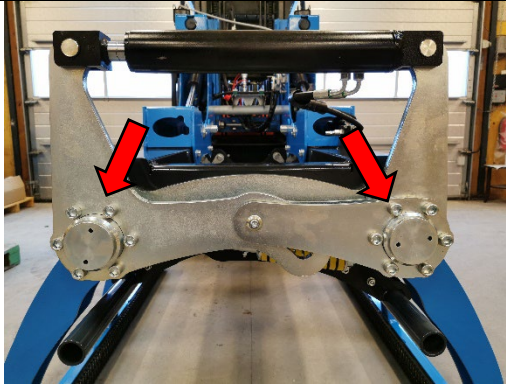
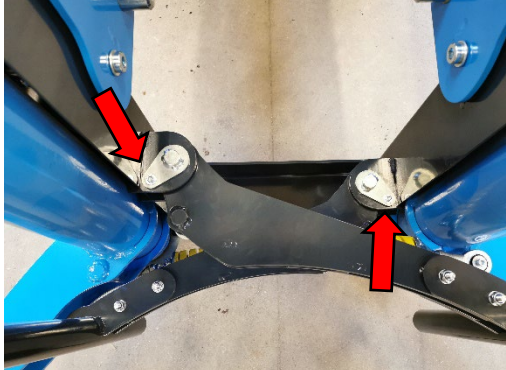
Picture 15.2

C: Stacker arms

1 greasing point in each end of the stacker arms

Maintenance of Bolts

All bolts need to be re-torqued after the first 5 hours of operation, and for every 100 hours of operation. Please be aware that some bolts are locked with Loctite and therefore are immovable.

	<p>Picture 16.1</p> <p>Tilt function at Stacker: Each side of the Stacker 1200 One bolt</p>	<p>Class M 8 Bolts Torque.</p> <ul style="list-style-type: none">• 25 Nm• 18 lbf x ft
	<p>Picture 16.2</p> <p>Both ends of each Stacker arm 9 bolts each</p>	<p>Class M 16 Bolts Torque.</p> <ul style="list-style-type: none">• 200 Nm• 18 lbf x ft
	<p>Picture 16.3</p> <p>Guide bars: 2 x 2 bolts at each joint</p>	<p>Class M 8 Bolts Torque.</p> <ul style="list-style-type: none">• 25 Nm• 18 lbf x ft

Trouble shooting

Faults on the Easy Stacker 1200 are most often caused by factors that are not due to a Stacker malfunction.

In the event of malfunction on the stacker 1200 it is easy to determine if this is caused by an electrical fault or it is due to a mechanical fault: When correctly mounted does the LED lights on the remote-control act as normal e.g. when a function is chosen, does the LED light indicate that the function is on "hold". If so, the control system is working ok. If any fault on the control system, it is only possible to tilt the Easy Stacker 1200 up and down.

Most problems can be avoided through regular maintenance.

If any faults should occur, please check the following first:

- Sufficient oil in the hydraulic oil tank of the forklift / loader?
- Are you using the right type of oil? Only use oil as specified by the operating manual of the loader. Incorrect type of oil can cause foaming and leaks.
- Is the hydraulic oil clean and free of moisture? Replace oil and filter if necessary.
- Are hoses correctly mounted? The connections must be locked in place.
- Are hoses and connections damaged, jammed or twisted?
- Has the cylinder of the Easy Stacker 1200 been moved to the end positions several times in order to get the air out of lines and cylinder?
- Have you taken low outside temperature into account? Has the oil reached operating temperature?

If the measures described above are unsuccessful, the following table may help you to locate and correct the fault.

If support is required to solve problems, be sure to use qualified technicians. Only qualified technician must carry out Service and repairs.

Fault description	Cause	Fault correction
Low lifting and gripping or tilt forces.	Insufficient oil pressure.	Check the forklift hydraulics.
	Too high backflow pressure.	Check the forklift hydraulics.
Stacker moves too slowly or does not move at all.	1) Insufficient oil in the hydraulic system. 2) Hydraulic couplings incorrectly connected. 3) Hydraulic coupling defective. 4) Oil flow too low. 5) Too low RPM on engine	Check oil level and top up if necessary. Check connections. Check couplings, replace if necessary. Check the forklift hydraulics. Check the pressure in the hydraulic system.
Insufficient gripping or tilt force.	1) Internal leakage in the hydraulic cylinder. 2) Excessive load. 3) Pressure control valve set incorrectly. 4) Interior leakage in the control block. The forklift does not match requirement of the Easy Stacker 1200	Check the cylinders, repair, or replace defective cylinders. Decrease load. Check the setting of the pressure control valve (is seal broken?) Check control block, replace if necessary. Check control block, replace if necessary. Call service.
Air in the hydraulic system. (Indicated by the foaming hydraulic fluid.)	1) Hydraulic pump takes in air. 2) Hydraulic filter fouled.	Check the lines between hydraulic pump and tank for loose or defective connections. Check or replace hydraulic filter as necessary.
Leaking hydraulic block.	1) Threaded connections loose 2) Leakage between magnet and valve 3) Leakage between the valve flanges	Re-tighten threaded connections. Unscrew the knurled nut, remove magnet, retighten the magnetic core with open-jaw spanner. Re-tighten bolts or replace sealing rings. Call service
The hydraulic pistons are moving in "tugs".	1) Low hydraulic level on forklift 2) Obstacles in hydraulic oil flow of the loader	Call forklift service Call forklift service
Remote control is "dead".	1) Electric connections are broken	Follow the electrical wire from remote to plug

It is not possible to change functions of the Stacker.	<ul style="list-style-type: none"> 2) Voltage of forklift is too low 3) The plug is not connecting 	<p>Check the voltage of the forklift</p> <p>Check the Plug is intact and in working order</p>
The Stacker will not work at all	<ul style="list-style-type: none"> 1) Check the diverting valve on quick shift module 2) Check correct connection of hydraulic hoses 3) Check electrical connections 4) Check the functions of the loader 	<p>If needed shift to working Position</p> <p>Replace hydraulic hoses if Needed</p> <p>Repair or connect electrical wire</p> <p>Repair or call service for the forklift</p>
Tires are slipping on gripping surface	<ul style="list-style-type: none"> 1) The coating of the plates is worn off 2) There is ice or other obstacles on the surface 3) The surfaces are not mounted correct 4) The surfaces are broken 	<p>Order new gripping surfaces</p> <p>Remove ice or obstacles on surfaces</p> <p>Check for damages and remount surfaces</p> <p>Replace the plates</p>
Loud noise while operating the Stacker	<ul style="list-style-type: none"> 1) The moving parts are not lubricated 2) Noise while tilting the Stacker 3) Return oil is restricted 	<p>Lubricate the moving parts</p> <p>Some noise is normal due to regulation of tilting speed</p> <p>Contact qualified service</p>

Spare parts for Stacker 1200

Please note: All pos. numbers are referring to the drawings on page 53 - 55.

Pos. No.	Stock no.	Description	Qty
1	102563	Tiltbox for 1200	1
2	102585	Sheet guide arm parallel	2
3	102551	U-sheet beam ES 1200	1
4	102591	Stacker arm assembled - Right side	1
5	102565	Stacker arm assembled - Left side	1
6	102598	Suspension system for guide arm - assembled	4
7	102587	tyre guiding arm - Left side	1
8	102597	tyre guiding arm - Right side	1
9	102595	Welded shaft for guide arm	4
10	102578	Gripping surface for Stacker 1200 - steel mesh	2
11	102607	Sheet cylinder moment arm	1
12	102608	Sheet cylinder and guide arm	1
13	102593	Tire guide bar assembly - left and right	2
14	102604	Support ring for main pipes, højre	1
15	102605	Support ring for main pipe - mirror, venstre	1
16	102606	Locking bolt - 01	2
17	102609	Washer for guided cylinder	2
18	102610	Support for glider in cylinder arm	1
19	102498	Valve block for Stacker 1200,	1
20	102612	Pin for main cylinder	2
21	102611	Roller ring inside cylinder arm	1
22	102613	Sheet distance for cylinder arm	2
23	102323	Relief valve 3/8", 40 L/min	1
24	101981	Clamping Cylinder for Stacker 1200	1
25	102352	Double pilot operated check valve 3/8" med banjo bolt	1
26	102516	Banjo tube, 3/8" Ø12 L= 400mm	1
27	102354	Banjo bolt for 3/8"	1
28	900636	Hose it from Main valve -> clamping cylinder: 4 hoses	1
29	102661	Sheet main pipe housing ring	2
30	102617	Pipe reinforcing	4
31	102653	Rivet nut M8-countersunk-hex body open	12
32	901100	Control system for Stacker 1200 - Complete	1

Pos. No.	Stock no.	Description	Qty
33	101468	Left side for tilt module - welded assembly	1
34	101469	Right side for tilt module - welded assembly	1
35	101473	Cross tube welded with tube bracket)	1
36	101472	Welded shaft for tilt-console, right	1
37	102470	Welded shaft for tilt-console Left	1
38	101471	Welded shaft for tilt cylinder - bottom	2
39	101388	shaft for tilt cylinder top	2
40	900626	Hose Kit Main valve -> tilting cylinders: 4 hoses	1
41	101540	Hose Kit Quick shift -> reduction valve: 2 hoses	2
42	102369	Tube Ø12x1,5 from safety valve to main valve	1
43	102370	Tube Ø12x1,5 from safety valve to main valve	1
44	101452	Bracket for plug connection	1
45	102373	Support bracket for relief valve	1
46	102323	Relief valve 3/8", 40 L/min	1
47	101449	Washer for cross tube in tilt module	2
48	101523	Hydraulic tilt cylinder for 1200	2
49	102619	Vibration damper Ø50x40, M10 internal	2
50	102541	Welded box for tilting - left + right	2

For all other spare parts: Please contact your dealer

When ordering spare parts, please state the chassis number of the machine.
The chassis number appears from the identification plate.

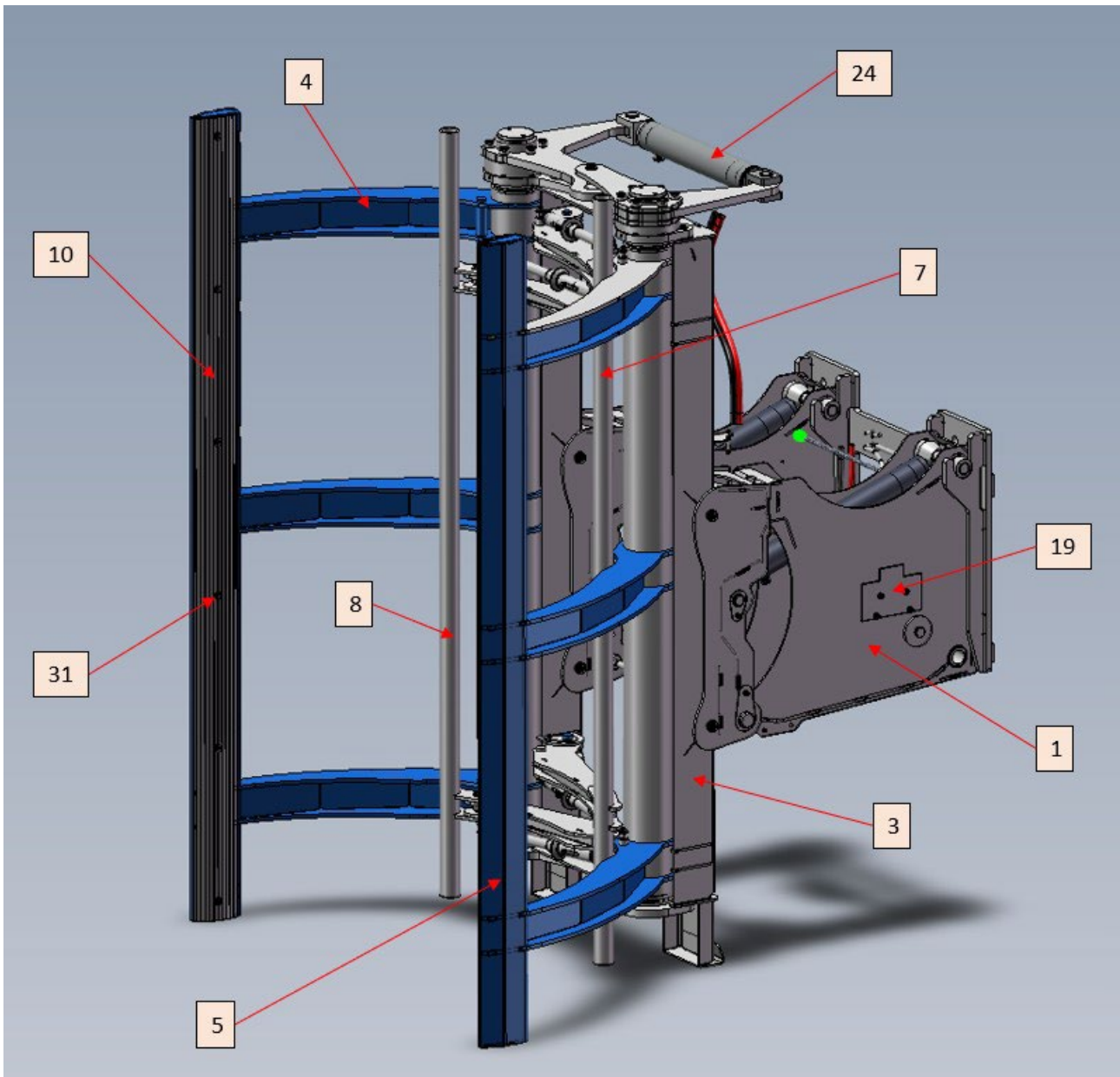
Appendix

At request, the Easy Stacker 1200 can be delivered with the following accessories to the control system:

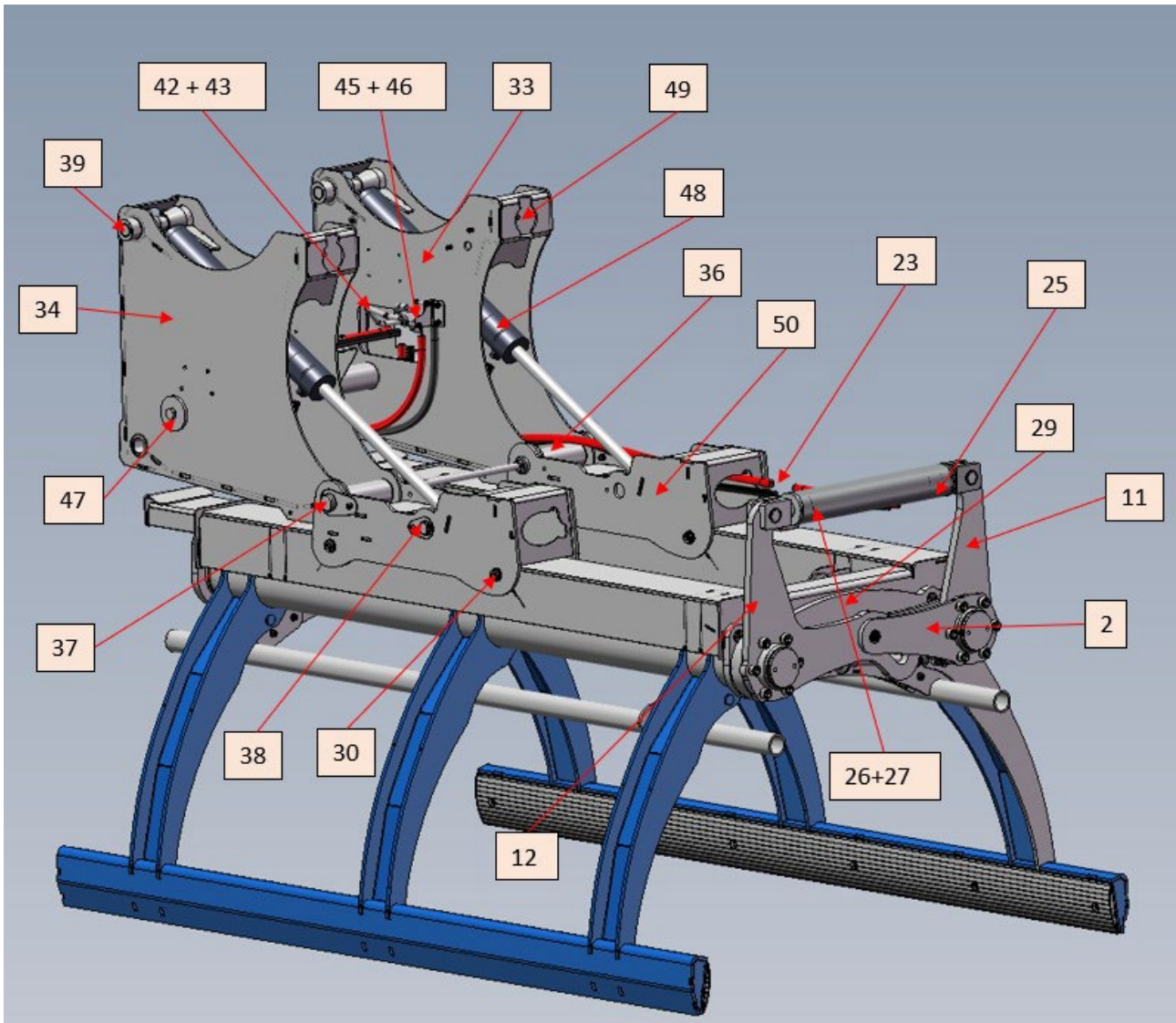
1. A "two hand" remote control. A function that requires a constant activation of the gripping button on the remote control to open or close the Easy Stacker 1200.

Easy Stacker 1200 spare part drawings

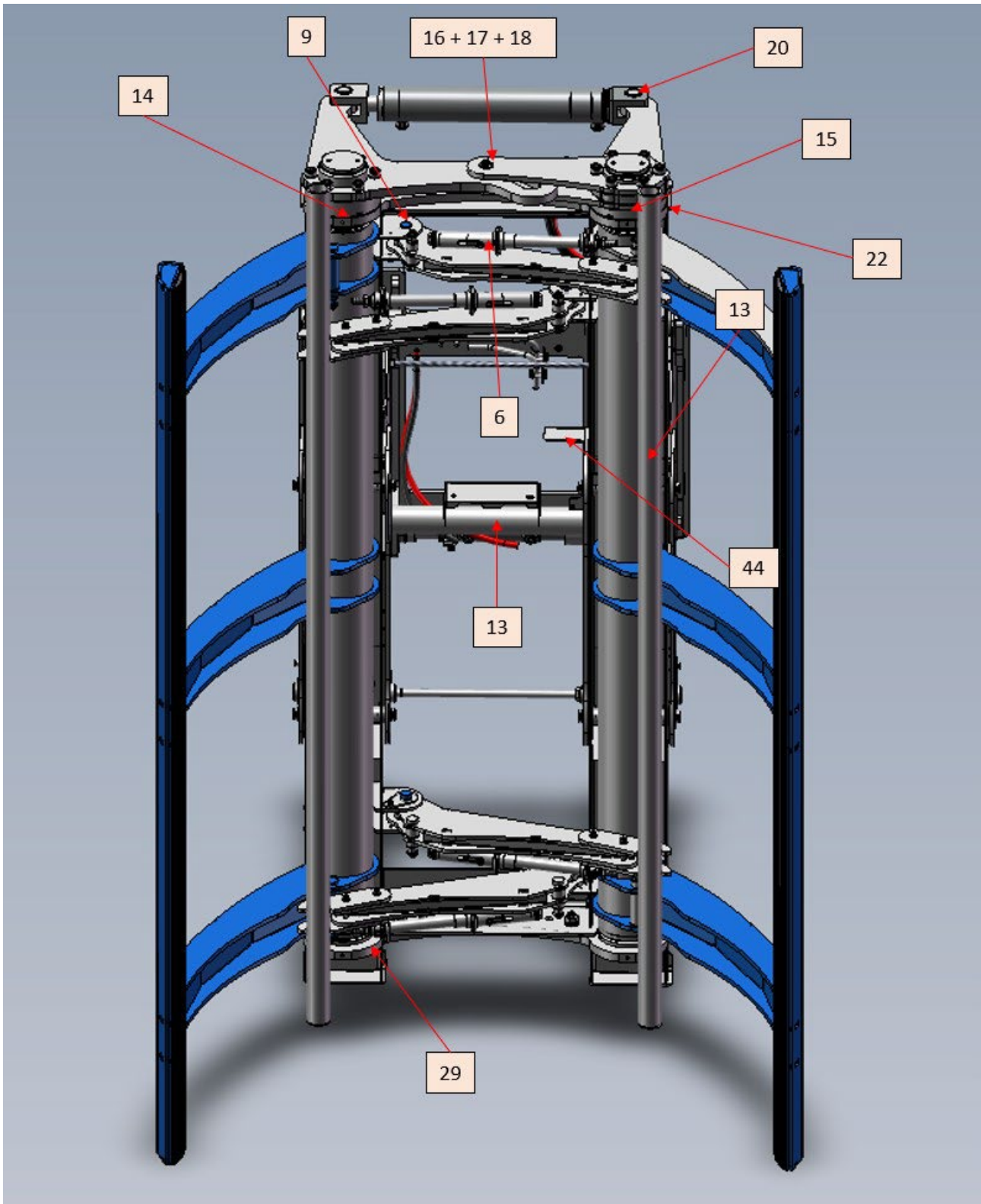
Easy Stacker 1200 spare part drawing 1/3:



Easy Stacker 1200 spare part drawing 2/3:



Easy Stacker 1200 spare part drawing 3/3:



Warranty

Easy Stacker 1200 is provided a 12 months' warranty from date of purchase. If any errors or defects occur on the machine within the warranty period, Just Easy Tools will carry out the repair according to the following terms of warranty and free of charge for working hours and part consumption.

Terms of warranty

1. The warranty is only valid by presentation of the original invoice with model name, and date of purchase, and by presentation of the serial number.
2. Regular control, adjustment, service, and technical changes are not covered by the warranty.
3. Any approach regarding warranty shall be directed to the dealer, where the machine was bought.
4. This warranty does not cover any defects, which cannot be traced back to material or manufacturing defects.
5. Just Easy Tools reserves the right to make improvements and changes as regards design of the machines without any obligation to modify already delivered models in correlation with this.
6. This warranty is only valid for persons, who legally have purchased the machine within the period of warranty.

The following fields are thus not covered by the warranty

- Wear, operator error, accidents, careless use of the machine, changing the machine's design, use of other spare parts and tools than the original parts from Just Easy Tools.
- Machines with illegible serial number.
- Damages caused by thunder, water, fire, war, social riots, wrong or lacking maintenance, consequential damages, and other causes beyond the control of Just Easy Tools.
- This warranty shall not cover any costs without a written authorization from Just Easy Tools.
- The liability of Just Easy Tools for any loss shall be limited to repair, replacement or credit as set out above, and in no event shall Just Easy Tools be liable for any consequential or incidental damages that might be sustained by the Buyer or other person.

Repair

Just Easy Tools will repair, replace, or credit the purchaser's account at Just Easy Tools' option.

Defective product must be shipped (prepaid) to the location specified by Just Easy Tools for examination. Approval from Just Easy Tools must be obtained prior to shipping, and a description of the defect must be included.

Defects due to abuse, alteration, mishandling or accidental damage, or use for a purpose other than which it was intended, are not covered.

Return of goods

Written permission from Just Easy Tools must be obtained before returning any goods. All transportation charges must be paid by the customer.

Credit for goods will be based on the original price paid less 25% restocking charges. Special custom-built items cannot be returned for credit. Invoices must be supplied.

Obsolete or discontinued items are not returnable.

Complaints

By any complaint regarding the machine, please contact the dealer, where the machine was purchased. This concerns ordinary use, service, maintenance, and spare parts plus possible complaints.

Are there any questions, the dealer cannot answer, or do you have suggestions to or requests to special tools and adjustment to the machine, please feel free to contact Just Easy Tools directly.

We hope that you will enjoy working with the machine.

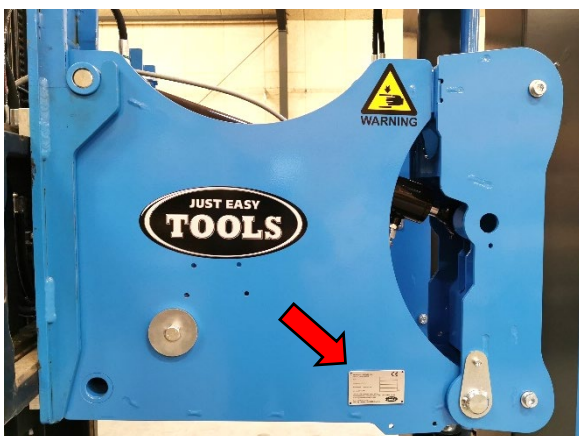
Markings on the Stacker 1200

Each Stacker 1200 has an identification plate for unique identification. The identification plate is on the tilt module, right side, bottom front

Data on the identification plate

1. Stacker type
2. Production number
3. Year of manufacture
4. Weight of the Easy Stacker 1200 without implement
5. Serial number
6. Function code

Data for items 1-3 must be specified when ordering spare parts and additional implements.



Identification

Note the Easy Stacker data

Easy Stacker 1200 identification	
Easy Gripper model	
Serial number	
Production year	
Shipping order number	
Delivery date	

Identification data of the supplied attachments: Quick Shift Module	
Serial number	
Production year	
Identification data of the supplied attachment: Fork Module	
Serial number	
Production year	

Note the data for the Carrier vehicle, on which the Easy Stacker has been attached

Carrier vehicle identification	
Carrier vehicle name and model number	
Serial number	
Production year	

Producer

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