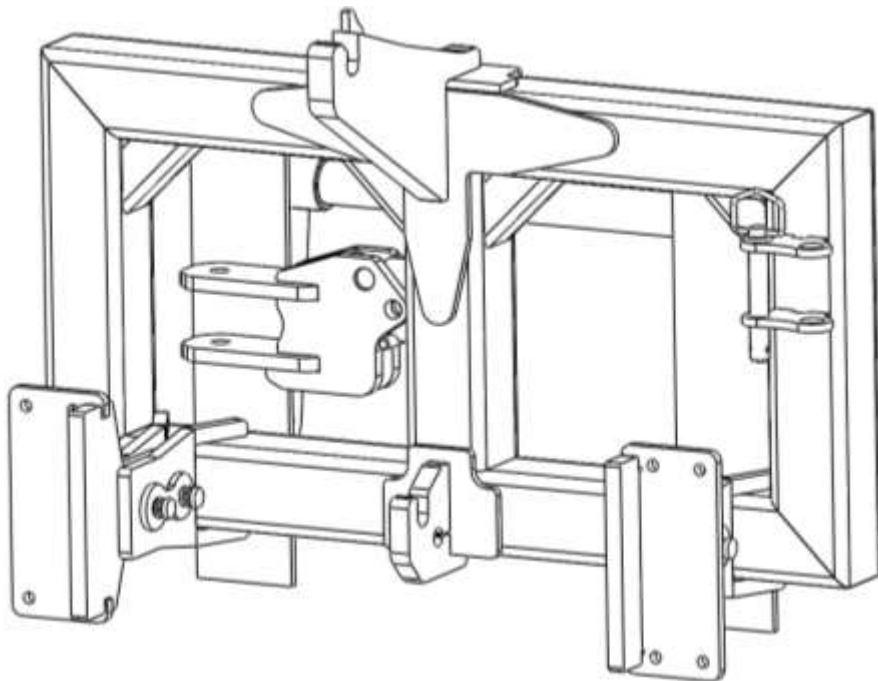


# AGRI WELD

## Operator Manual Quickshift Plus

(8000kg Capacity)



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Driffield, YO25 3ET  
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**AGRI WELD**

[www.agriweld.co.uk](http://www.agriweld.co.uk)

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### **SUMMARY**

The Agriweld QUICKSHIFT is designed primarily for the safe and efficient movement of all 3 point linkage and trailed equipment.

The QUICKSHIFT forklift/loader attachment consists of a main lifting hook (which locates into the equipment's top link point), left and right lower stabilising plates (which locate into the equipment's lower link points) a main frame and relevant bracketing to fit your forklift or loader.

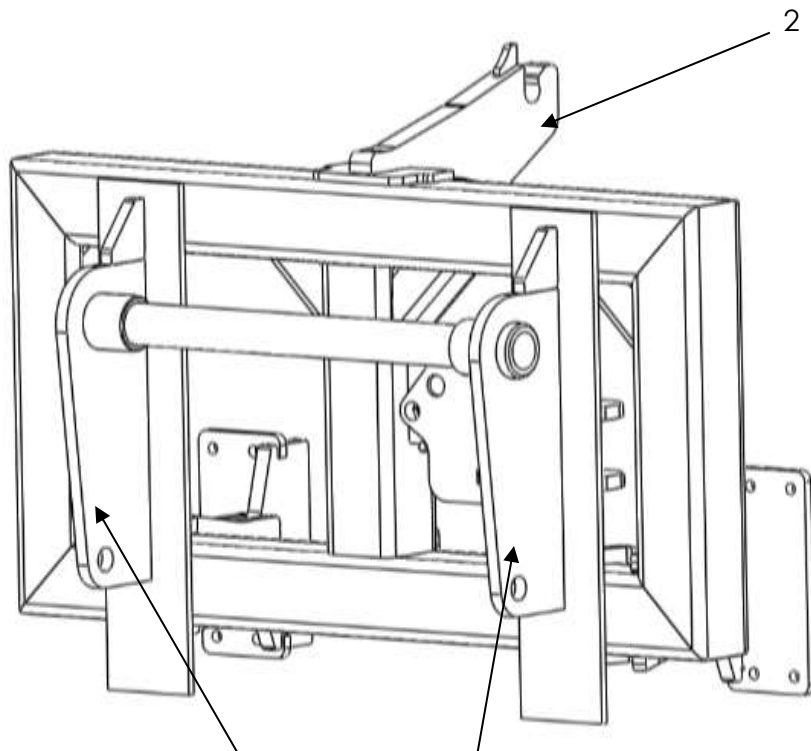
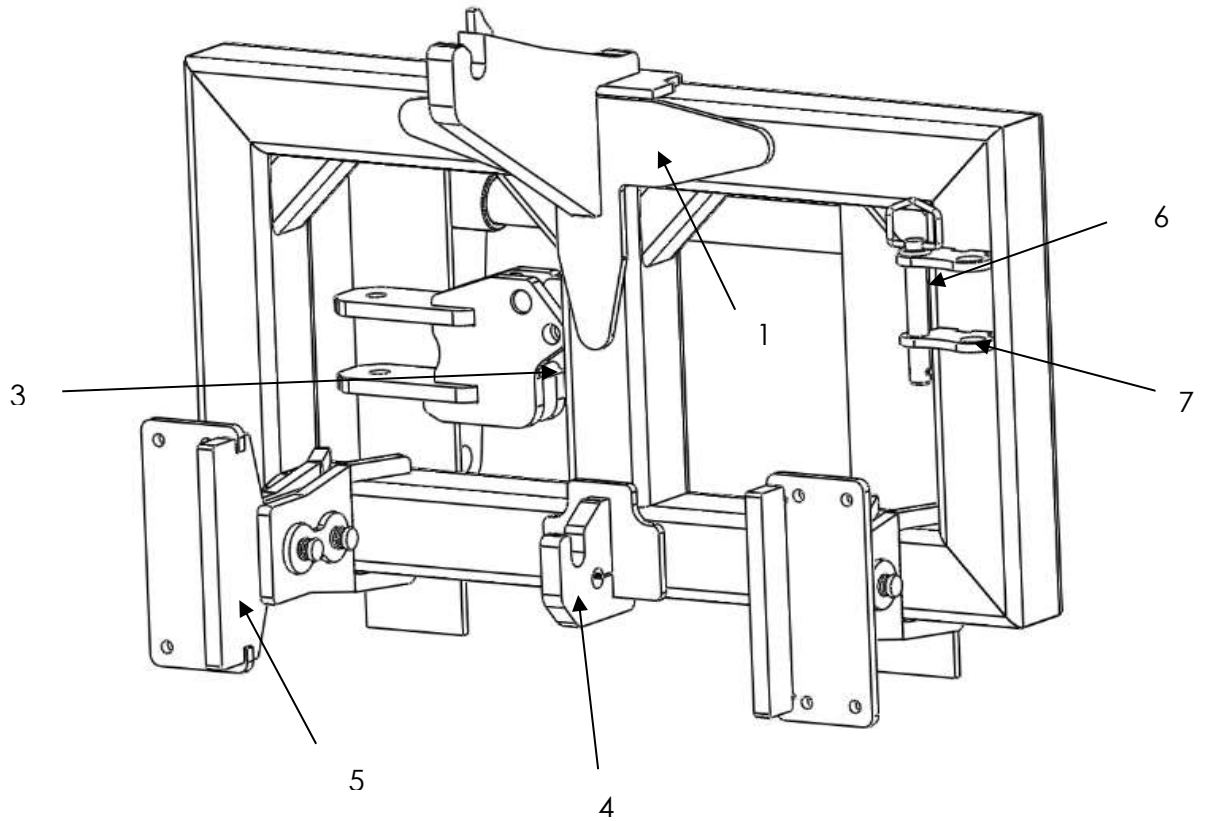
### **WEIGHTS AND CAPACITIES**

<b>Unit Weight</b>	<b>Maximum Capacity</b>
290 KG	8000 KG

### **Machine technical specification**

Weight:	290kgs
LLC:	367mm
Capacity @ LC:	8 Tonnes (or max capacity of forklift/loader if lower than this)
Centre of gravity:	120mm

**ASSEMBLY**

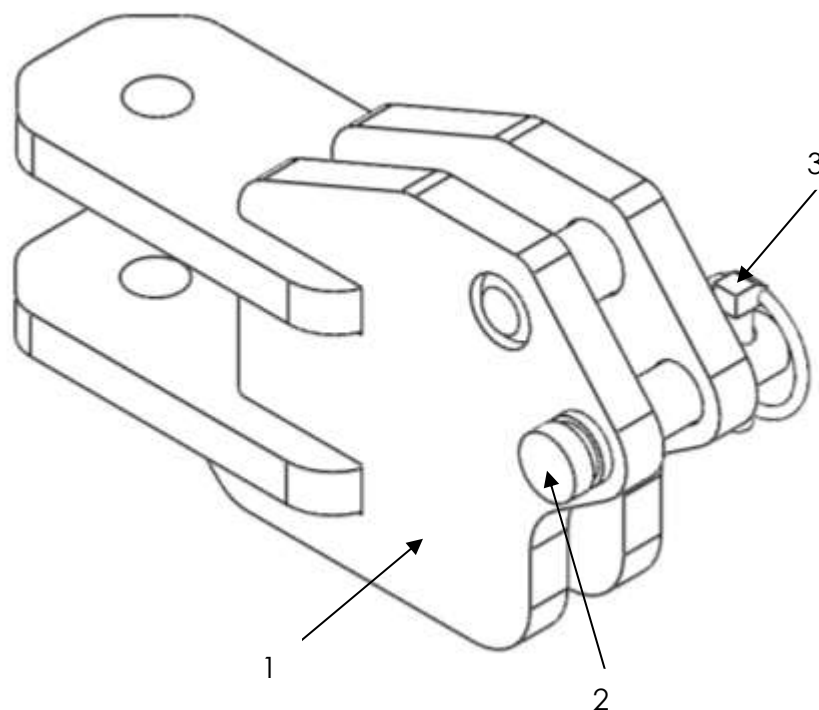


Brackets (Example)

**MAIN FRAME PARTS LIST**

<b>Item Number</b>	<b>Part Number</b>	<b>Description</b>	<b>Quantity per Machine</b>
1	AW_QS_010	Star Brace	1
2	AW_QS_020	Lifting Hook	1
3	AW_QS_015	Storage Hook	1
4	AW_QS_035	Bottom Hitch	1
5	AW_QS_016	Stabiliser Bracket	1
6	Z525157	Draw Bar Pin	1
7	AW_QS_001	Pin Holder	2

**DRAWBAR CLEVIS (included as standard with all Quickshift units)**



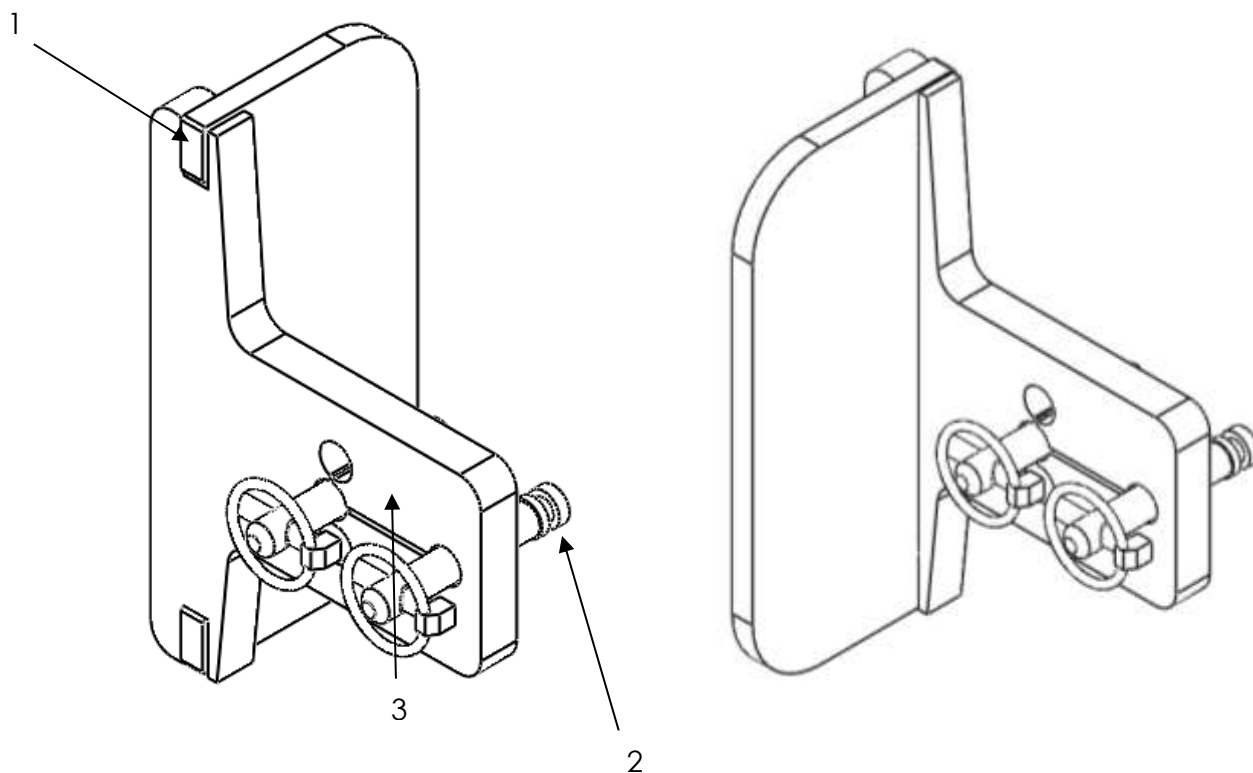
**Drawbar clevis parts list**

Item Number	Part Number	Description	Quantity per Machine
1	AW_QS_021	Clevis	2
2	Z325095	Clevis Stabiliser Pin to attach to the Quickshift unit	1
3	LP11Z	Linch Pin	1

To attach your trailed implement to the drawbar clevis please use the pin shown on page 4, part no. 6.

See page 9 for attachment instructions

### LOWER LINK STABILISER PLATES



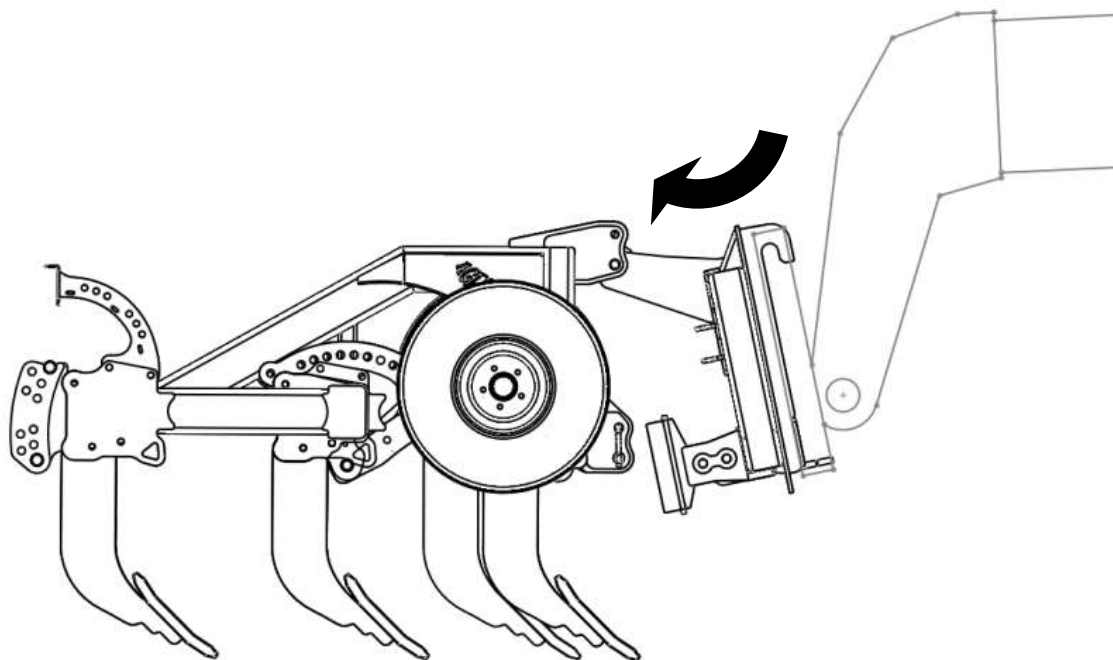
### Lower link stabiliser plates parts list

Item Number	Part Number	Description	Quantity per Machine
1	AW_QS_006	Lower Link Stabiliser	2
2	Z319092	Stabiliser Pin	4
3	LP11Z	Linch Pin	4

### **MOVING 3-POINT LINKAGE EQUIPMENT**

The top hook is the main lifting or load bearing component. It locates in to the top link point of the equipment to be moved. The lower stabilising plates lock into the equipment's lower link points and prevent sideways movement whilst the equipment is being lifted and moved.

- Drive up to the implement you are moving keeping the Quickshift as central as possible with the implement.
- Tilt the quick shift forward so the lifting hook is the leading component as you drive towards the implement to be moved. (As shown below)
- Place the lifting hook under the top link pin of the implement and lift the Quickshift so the pin locates fully into the lifting hook and continue lifting so the front of machine just starts to lift off the ground.
- Start tilting back slowly so the lower link stabilisers make contact with the lower link points on the implement and the machine lifts off the ground completely.
- Lift the machine to a safe and suitable height for moving. Do not carry the implement to be moved at an excessive height unnecessarily.
- Move the machine to desired location.
- Perform the above stages in reverse order to uncouple the machine from the Quickshift.



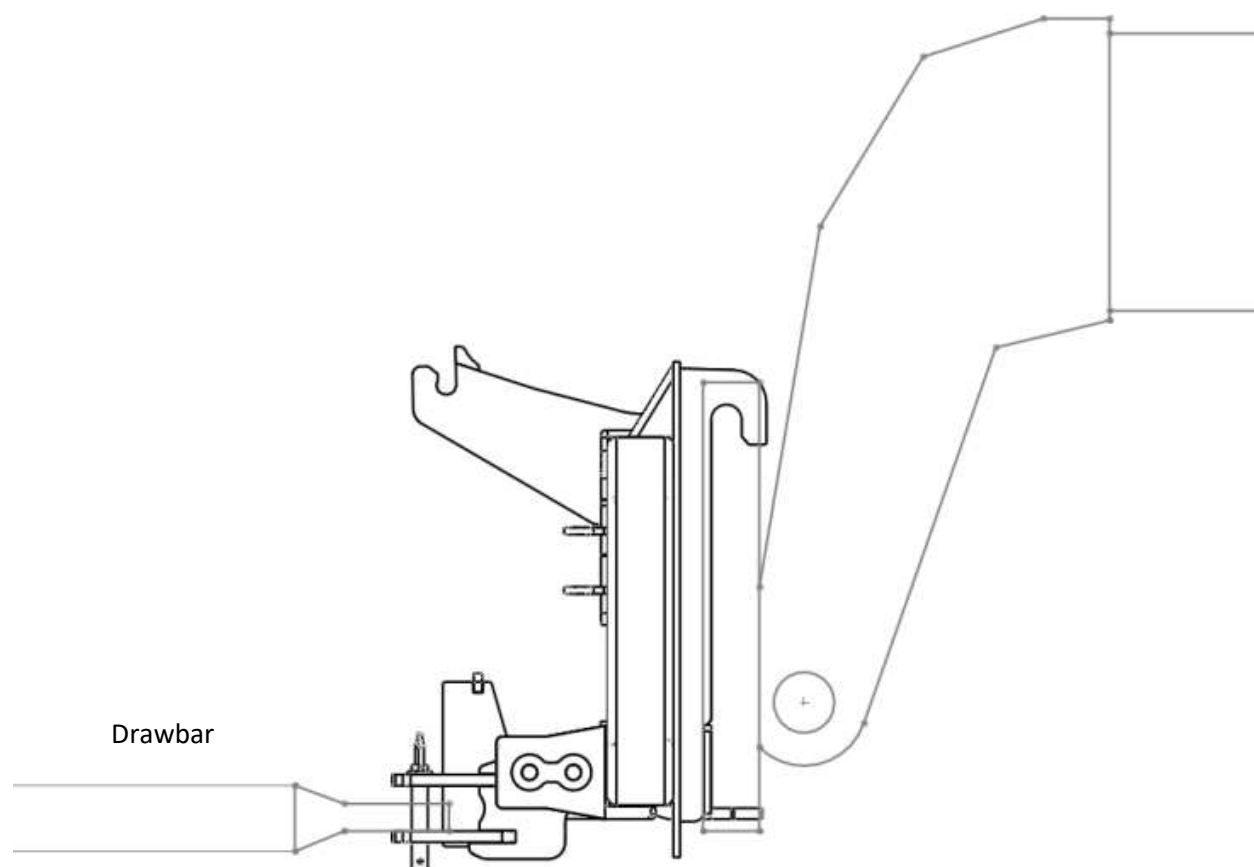


## MOVING TRAILED EQUIPMENT

The QUICKSHIFT carries its own "Clevis" style drawbar attachment on the frame which can be used to move trailed equipment as required. The standard issue drawbar clevis is stored on the QUICKSHIFT frame by use of a pin and is attached to the central lower locating hook with the same pin for use. Once the drawbar clevis is attached to the Quickshift for use, to attach your trailed equipment, drive up to the implement so the towing eye goes between the towing clevis and use the second pin to secure through the eye of the clevis. See illustration below.

For the moving of large trailed pieces of cultivation equipment, trailers, caravans and other items requiring a "ball" type hitch, further ancillary attachments are available.

**Use of the drawbar is strictly prohibited for use on public highways, to pull trailed implements to work the ground and not for use for towing a loaded trailer. It is intended for safe movement of such implements around the yard when not in work.**



## **CONNECTION TO YOUR FORKLIFT LOADER**

**Please note that this is generalised information and connection may vary depending the type of headstock/brackets fitted. Operators should use their own judgement and experience when hitching/un-hitching the Quickshift and its attachments. Only personnel with the appropriate forklift/loader licence are authorised to use this machine. Statutory minimum age limits must be observed and reliable personnel only should perform maintenance/work on this machine. Persons undergoing training or instruction or taking part in a general training course should only use this machine under direct supervision of an experienced and trained person.**

### **Connection to handler via Quick-Hitch bracketing**

Tilt the loader headstock slightly forwards and drive in slowly to couple the loaders top mounting point into the Quickshift's corresponding top mounting point carefully. Crowd loader headstock back slightly to align lower Quickshift mounting point with the corresponding lower bracket on the loader headstock and secure with the relevant locking pins.

### **Carriage blocks/rails (Class 2, 3 or 4)**

Tilt forklift carriage rails slightly forward and couple the top rail into the corresponding top Quickshift carriage rail bracket. Crowd back slightly to locate lower carriage rail. Position lower carriage rails/blocks into operating position and secure with the relevant locking pins/bolts.

## **CAPACITY – IMPORTANT INFORMATION**

The QUICKSHIFT PLUS has been load tested and certified with a safe working load (SWL) of

**8000 Kgs\***

**\*When fitted to any forklift or loader with a lift capacity less than 8000 Kgs reduces the safe working load (SWL) of the QUICKSHIFT to that of the forklift/loader's capacity.**

**For example fitted to a 3000Kg forklift, the QUICKSHIFT capacity is also reduced to 3000 Kgs.**

**Warranty claims arising from misuse and overload will not be covered.**

## **GENERAL SAFETY**

This manual must be provided to all persons concerned who will be involved with the setting up, operation, maintenance and use of the forklift/loader and QUICKSHIFT. It must be available at all times.

If important safety instructions are not complied with, it can lead to the risk of injury to yourself and others as well as damage to property and the environment.

**NON COMPLIANCE WITH SAFETY INSTRUCTIONS CAN LEAD TO WARRANTY CLAIMS BECOMING INVALID.**

## **QUALIFICATIONS AND TRAINING**

Only personnel with the appropriate forklift/loader licence are authorised to use this machine.

Statutory minimum age limits must be observed and reliable personnel only should perform maintenance/work on this machine.

Persons undergoing training or instruction or taking part in a general training course should only use this machine under direct supervision of an experienced and trained person.

The use of spare parts, accessories and ancillary equipment not supplied or approved by Agriweld, could have detrimental effects to the construction or functions of the QUICKSHIFT. Agriweld shall not be responsible for any damage caused by the use of spare parts or accessories and ancillary equipment not supplied or approved by Agriweld.

The operator must be aware of their responsibilities with regard to observing traffic regulations. The operator must have the authority to refuse instructions issued by third parties which contravene safety.

The operator should only operate what he/she is trained and experienced to do. If you are not confident, assistance should be sought from a suitably qualified person before using the Quickshift and its attachments. Untrained and non-confident operators should be supervised by an experienced operator until it is deemed them safe to use on their own.

The driving characteristics of the forklift/loader are influenced and altered by the attachment of mounted machines and it is important to ensure adequate steering and braking ability as required.

Any conversions or modifications to the machine may only be carried out after prior consultation and written confirmation from Agriweld.

### **PLEASE NOTE:**

**All forklifts are subject to L.O.L.E.R inspection / report by reputable engineers and records kept and maintained.**



### **FURTHER SAFETY**

Any warning signs/instructions on the machine provide important information and must be observed.

Ensure that you are familiar with the equipment, controls and functions of the forklift or loader and QUICKSHIFT before starting work.

Check round the machine for any noticeable damage, or missing parts before starting work.

It is advisable that the operator wears close fitting clothing to avoid the risk of snagging and trapping.

Ensure that you watch out for wandering individuals (particularly children!).

Remember to take into account the size of any attachments being moved and be aware of the sideways forces acting on the machine when turning and negotiating corners. Always ensure adequate all round visibility.

### **SPECIAL SAFETY INSTRUCTIONS**

Take extra care when hitching up or un-hitching the QUICKSHIFT to/from the forklift or loader. Be aware of what is under the QUICKSHIFT and its load (such as your feet) before dropping off.

Ensure that the forklift or loaders hydraulic system is in full working order.

Never allow any person to stand between the forklift or loader and the QUICKSHIFT during connection or at any time unless the forklift or loader is secured against rolling away by use of a parking brake and/or wheel chocks.

It is forbidden to allow any persons to ride or sit on the QUICKSHIFT and its load at any time. Observers should maintain a safe distance when machine is in use.

When performing any adjustments to the machine the forklift or loader's engine must be switched off to prevent the hydraulics from operating.

**NEVER walk or work under a suspended load. Always take measures to support the machine and its load to prevent crushing and/or death. Do not rely on the forklift/loader and QUICKSHIFT alone if you are working under a suspended load. Always use supports for example trestles or a frame capable of taking the load.**

### **STORAGE AND SAFETY WHEN NOT IN USE**

Always detach any attachments from the Quickshift when you have finishing using them.

The Quickshift will stand on its own when not mounted or in use, unless forced over by external sources. We advise the Quickshift and its attachments be stored away in an area clear from obstruction without causing hazard to other vehicles, damage to property or injury to individuals and by ensuring that the storage area is easily accessible for next use.

If you need to keep the Quickshift mounted to the forklift/loader in between use, it is important to ensure the Quickshift is lowered to ground level, the vehicle has the hand brake/equivalent secured, the loader engine is turned off and vehicle is locked.

### **IMPORTANT MAINTENANCE**

**It is important to check the main lifting hook, stabilising plates, drawbar clevis and pins for wear and ensure that none show significant signs of wear or damage.**

**Before use, always check round the QUICKSHIFT to ensure no damage has occurred and that the machine appears safe to use.**

**Keep the QUICKSHIFT clean at all times to ensure easy inspection.**

**Ensure that the forklift or loader is in full working order and that the QUICKSHIFT is attached to the forklift or loader correctly before starting work.**

**Never use the Quickshift and any attachments if any parts/pins are missing.**

**Routine maintenance and safety checks of the Quickshift does not require the operator to climb/stand on the machine at any time.**

**Do not overload the forklift and Quickshift, refer to capacity on page 10 for details. Only use the Quickshift for its intended purpose.**

**The Quickshift is subject to L.O.L.E.R inspection annually.**

# QUICKSHIFT Risk Assessment

Date risk assessment completed – Reviewed October 2018 – to review again in 1 year or sooner if required  
 Organisation name: Agriweld Ltd

## MACHINERY TYPE: ORIGINAL Quickshift forklift attachment

Description: An attachment specifically for use on forklifts/loaders with a maximum lift capacity of 5000kg for the lifting and moving of 3 point linkage and trailed equipment.

What are the hazards?	Who might be harmed and how?	Risk evaluation Levels 1-5 (1 = Low risk, 5 = High risk)	Precautions in place	Further action required/notes?
Entanglement and trapping	Operator if loose fittings clothes are worn causing possible entanglement	2	Notice about not wearing loose fitting clothes on page 11 of operator's manual	No mechanical moving parts eliminates some risk. Single man operation.
Impact by collision and crushing when moving attached machines	Bystanders/other traffic	3	Notice to remind operator to watch out for wandering individuals particularly children on page 11 of operator's manual. Note in operator manual states all operators must have experience and hold appropriate license to use this equipment. Always take into account size of the Quickshift and any additional attachments when manoeuvring. It is prohibited to use the Quickshift to move and transport implements on the public highway, this is noted in the operator manual on page 15.	
Risk of Stab/Puncture/Cutting/Severing/impalement when using certain attachments	Operator/Bystanders by certain attachments fitted to unit	2 (when bale spike/bag lift attachment fitted)	Bale spike/bag lift attachments painted in different colour to main Quickshift for increased visibility. Refer to page 10-12 of operator's manual for further safety information	Operators must hold appropriate license to use
Loss of stability when freestanding and falling over	Operator/Bystanders	2	Stabilising plates act as feet for Quickshift to stand on when not in use, unless pushed over with force. See page 12 of operator's manual for safe storage advice	

## QUICKSHIFT Risk Assessment

<i>What are the hazards?</i>	<i>Who might be harmed and how?</i>	<i>Risk evaluation Levels 1-5 (1 = Low risk, 5 = High risk)</i>	<i>Precautions in place</i>	<i>Further action required/notes?</i>
Loss of unit stability when mounted incorrectly	Operator/Bystanders	1	If operator has mounted Quickshift correctly as per operator's manual this risk is very low. Operators must be experienced and hold appropriate license to use	
Trapping/crushing whilst attaching implements to Quickshift via 3 point linkage	Operator/Bystanders	2	Low risk to operator of crushing/trapping due to single man operation. Operator does not need to leave the cab during attachment of implements to Quickshift. Risk to bystanders being crushed/trapped during attachment of implements to Quickshift. Note in operator's manual about being aware of wandering individuals, particularly children. Operators must be experienced and hold appropriate license to use.	
Trapping/crushing whilst connecting/disconnecting Quickshift unit to forklift	Operator/Bystanders	2	Low risk to operator of crushing/trapping due to single man operation. Operator does not need to leave the cab during connection/disconnection of Quickshift to forklift, unless brackets on forklift require a pin to secure the unit. Risk to bystanders being crushed/trapped between forklift/loader during connection/disconnection of Quickshift. Note in operator's manual about being aware of wandering individuals, particularly children. Operators must be experienced and hold appropriate license to use	
Slip/Trip/Fall during use or maintenance	Operator	1	Maintenance routine/use of machine does not require the machine to be stood/climbed on. Warning about this stated on page 10 of the operator's manual	
Overloading forklift	Operator/bystander. Not conforming to Quickshifts maximum 5 tonne safe working load and/or forklift's maximum capacity SWL if lower than this	3	Serial plate clearly states maximum load capacity is 5 tonne.	If forklift capacity is lower than this, the Quickshift capacity is reduced accordingly. See page 4 of operator manual and CE Declaration of conformity.



## QUICKSHIFT Risk Assessment

<i>What are the hazards?</i>	<i>Who might be harmed and how?</i>	<i>Risk evaluation Levels 1-5 (1 = Low risk, 5 = High risk)</i>	<i>Precautions in place</i>	<i>Further action required/notes?</i>
<p>Damage/injury caused by detached trailer/trailed implement when using drawbar attachment (included in Quickshift unit as standard)</p>	<p>Bystanders. Being run over by detached trailer/trailed implements</p>	<p>2</p>	<p>Drawbar attached to Quickshift unit via pin. Trailer/trailed implements attached to drawbar attachment via pin. Not easy to detach accidentally.</p>	<p>See page 7 for how to attach the drawbar clevis safely, it also states use of drawbar is prohibited for use on public highways, to pull trailed implements to work the ground and not for use for towing a loaded trailer. It is intended for safe movement of such implements around the yard when not in work.</p>

## **WARRANTY**

Your Agriweld Quickshift is covered for a period of 12 months from the date of dispatch (which is recorded on our files) against faulty components and/or bad workmanship.

Our welders are coded to ISO 9606-1 and our welding procedures are approved in accordance with ISO 15614-1 to manufacture your equipment. All products are checked for quality prior to delivery/collection.

We cannot be responsible for claims arising from ignorance, occurrences outside our control, such as accidents, and malicious damage and non-compliance with safety instructions.

Any damage occurred during transit must be reported on signing for the item from the haulier to enable us to enter a claim for damages direct with the haulier.

### **WARRANTY CLAIMS FOR DAMAGE DURING TRANSIT**

**Damage occurred during transit via an external haulier must be reported immediately upon unloading and signing for the item. The limit of our liability to undertake repairs to products damaged during transit is dependent on signing for any damaged product upon delivery as "DAMAGED".**

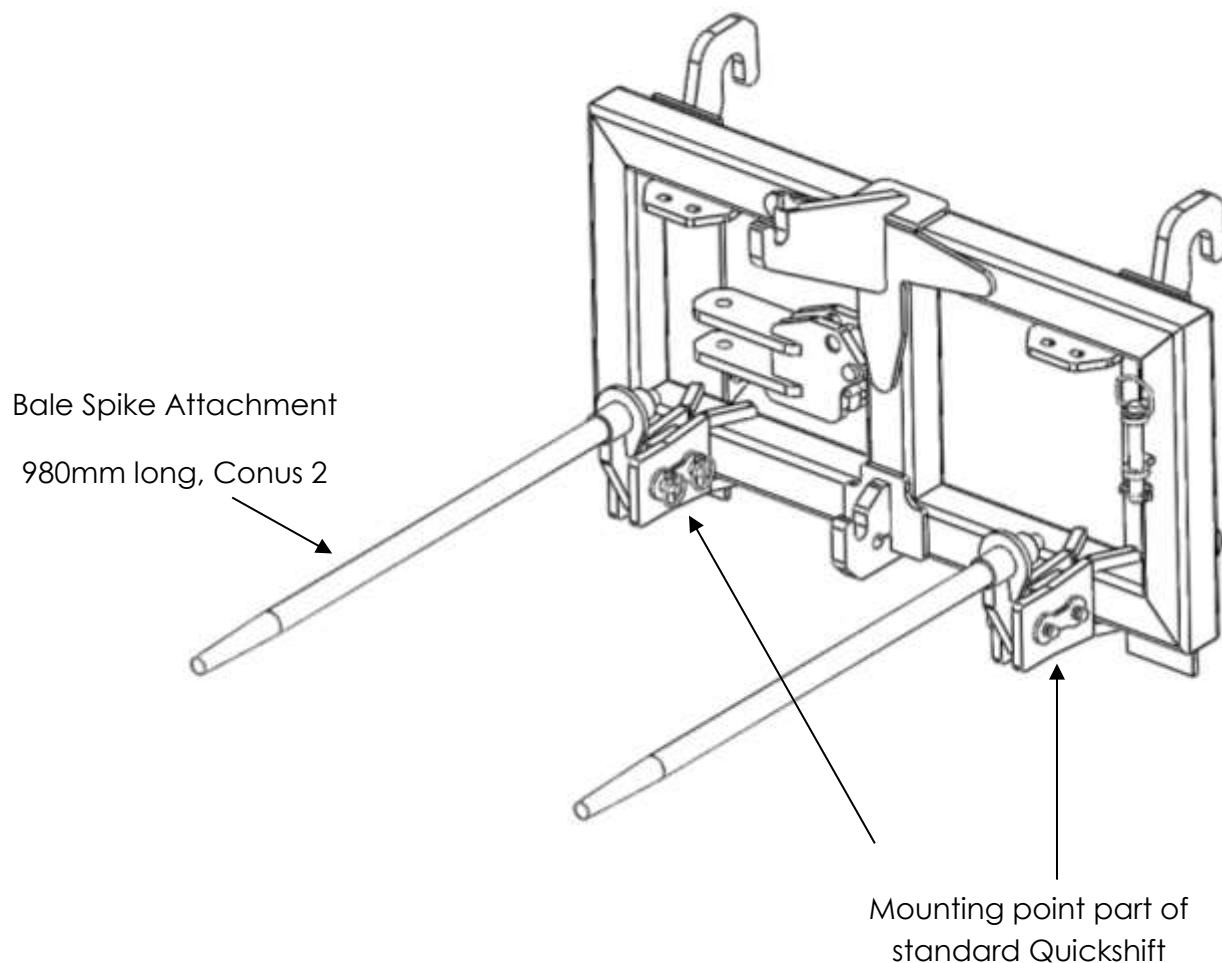
### **OPTIONAL ATTACHMENTS**

There are various optional attachments available to suit your Quickshift unit for use on the farm/in your yard only. Each fit to the standard Quickshift frame by firstly removing the lower stabilising plates from the lower left and right mounting points and fitting the individual attachments by locating and fixing into the same point. Any additional securing points required for the optional attachments will be located on the Quickshift frame as standard.

**Please note it is prohibited to use the Quickshift to move and transport implements on the public highway.**

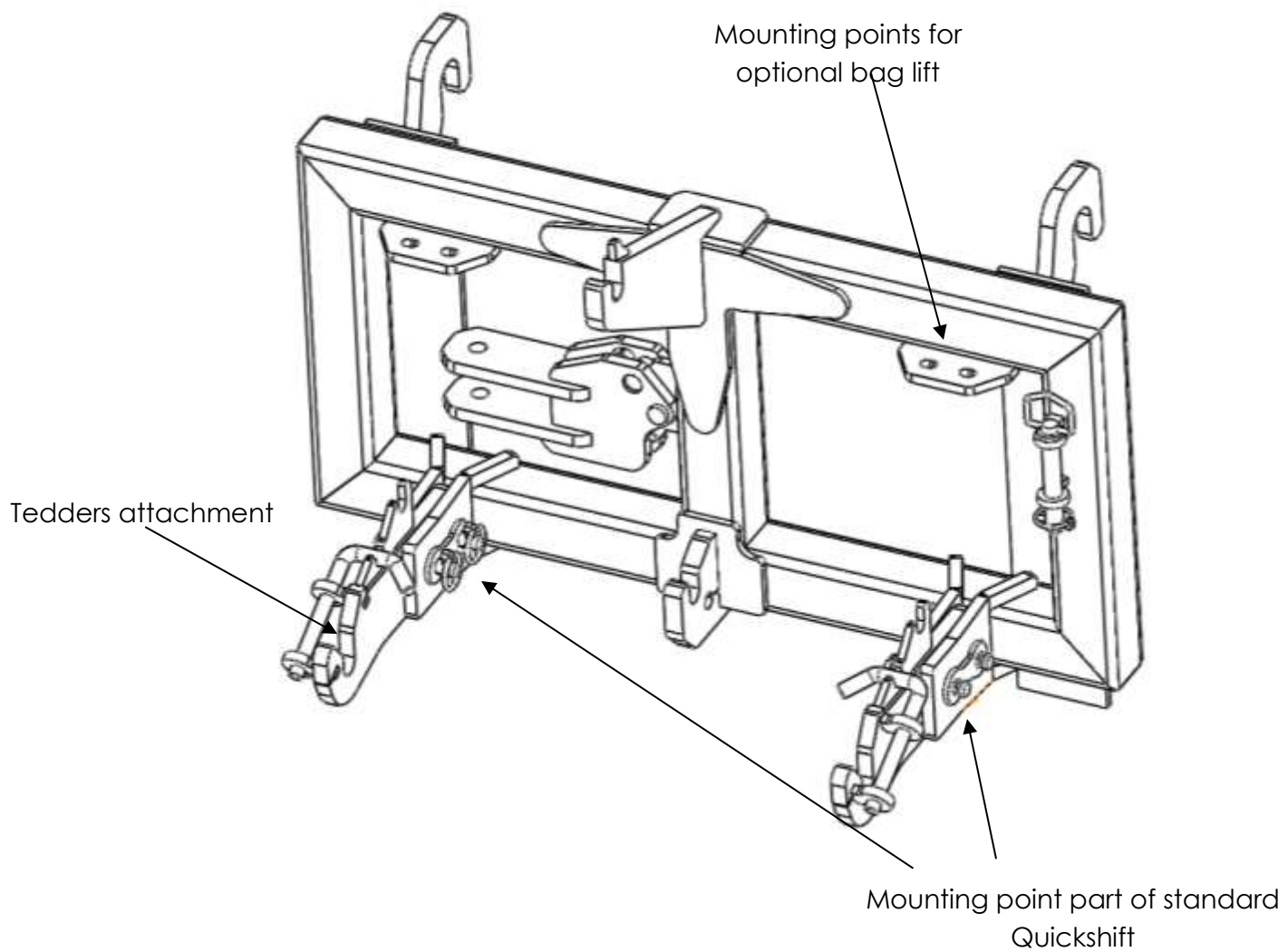
## OPTIONAL ATTACHMENTS

### Bale Spike attachments



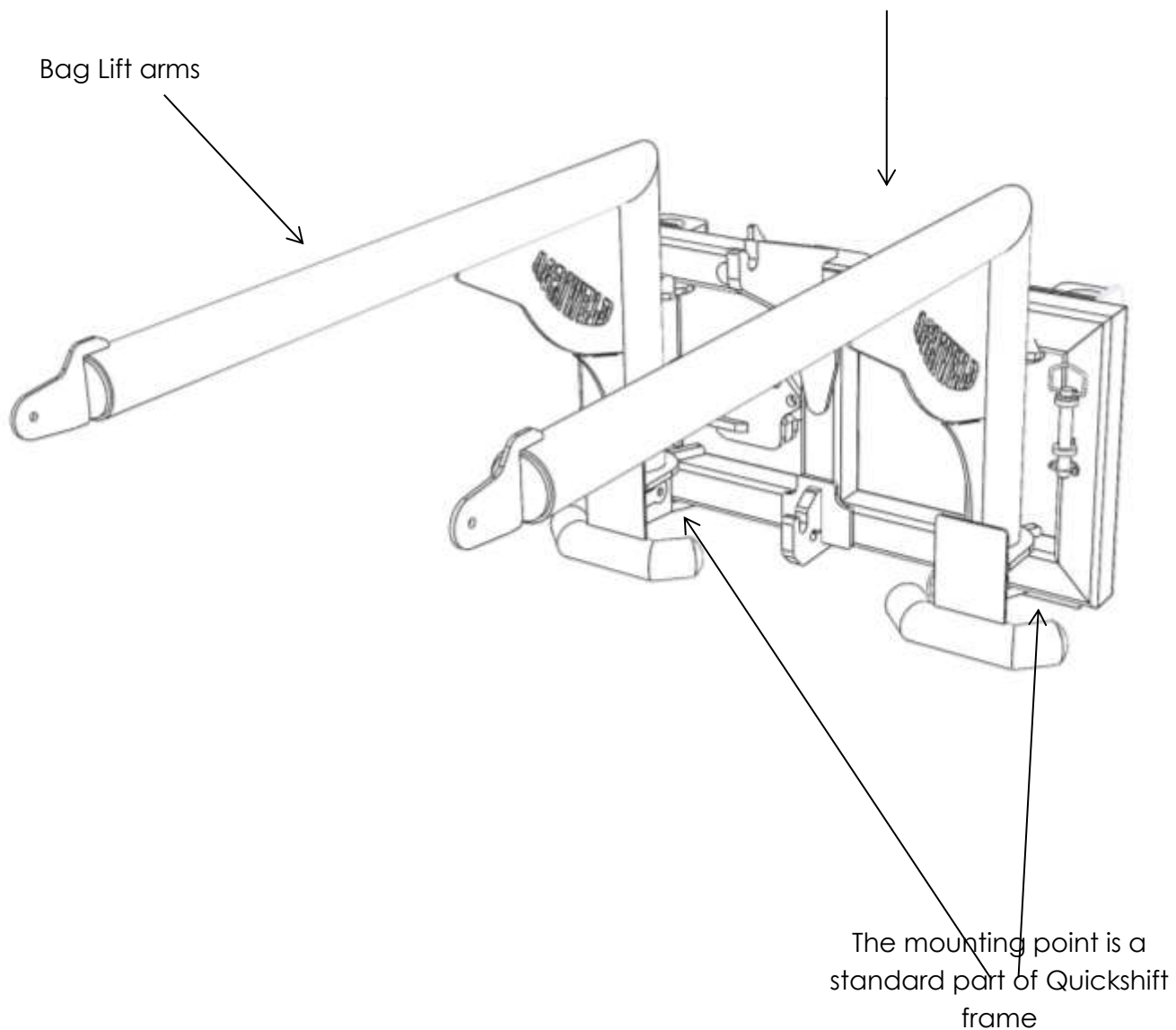
**BALE SPILE ATTACHMENTS ARE INTENDED FOR USE IN THE YARD OR OUT IN THE FIELD, IF TRAVELLING ON A PUBLIC ROAD THE ATTACHMENT MUST BE REMOVED FOR SAFETY PURPOSES.**

Tedder hook attachments



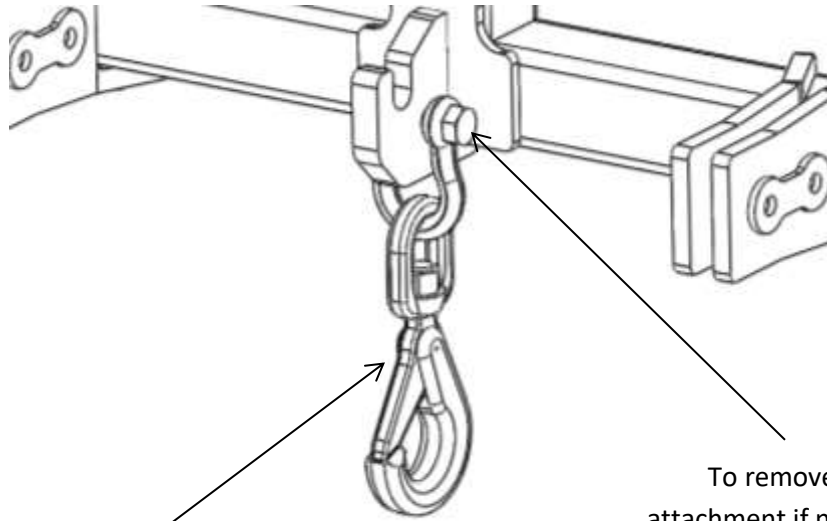
### Bag Lift attachment

2 x M20 x 65, 4 x M20 Washers, 2  
x M20 Nylock



**BAG LIFT ATTACHMENTS ARE INTENDED FOR USE IN THE YARD OR OUT IN THE FIELD,  
IF TRAVELLING ON PUBLIC ROADS ANY ATTACHMENTS MUST BE REMOVED FOR  
SAFETY PURPOSES.**

### Swivel Hook attachment



Bow Shackle & Safety Eye Hook  
(images for example purposes only  
see below inserts)

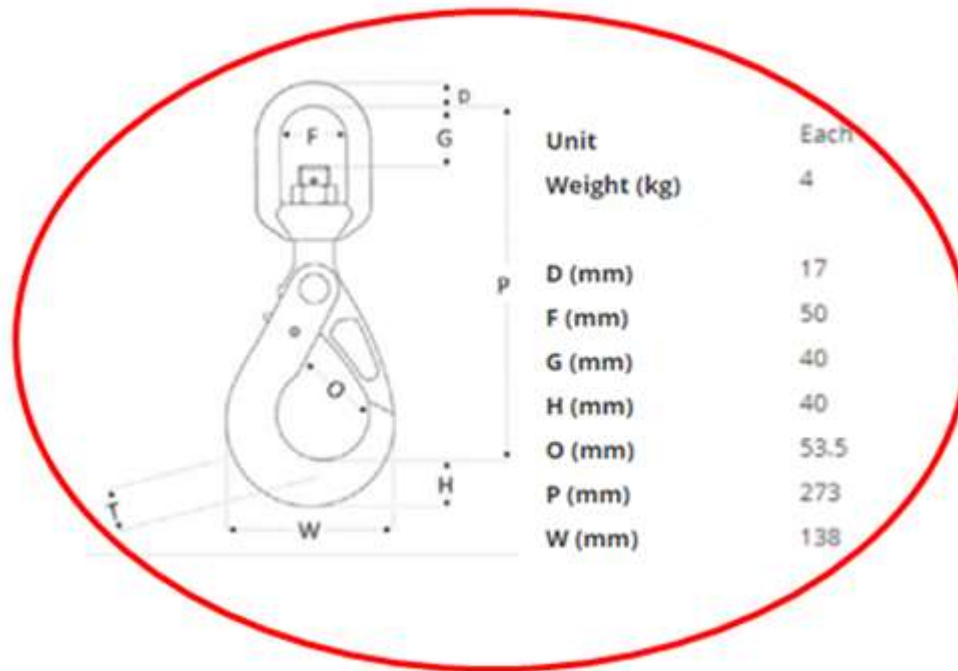
To remove the swivel hook attachment if not required, you must unscrew the pin on the D Shackle as shown above, remove as a whole unit and store in the storage point as shown in the image below

### Swivel Hook Attachment Storage Point

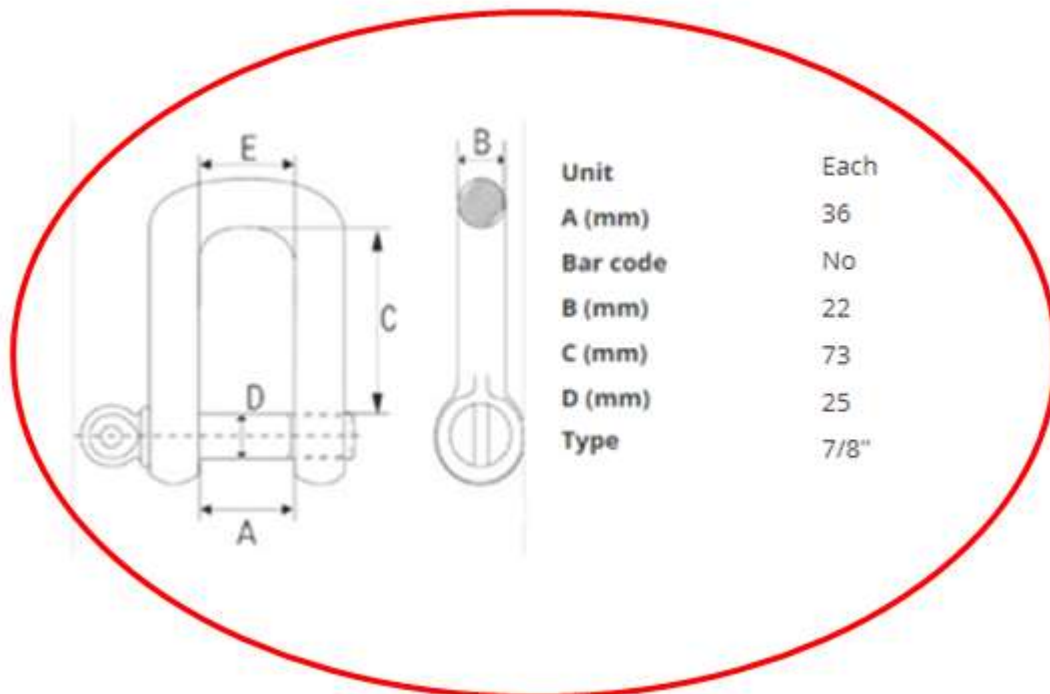
(image for example purposes only)



### Swivel Hook Technical Information



### D Shackle Technical Information



**Swivel hook attachment parts list**

<b>Part number</b>	<b>Description</b>
FSH78	D shackle 7/8'' (shackle remains attached to swivel hook at all times)
2646013	Swivel Safety eye hook

**IMPORTANT:**

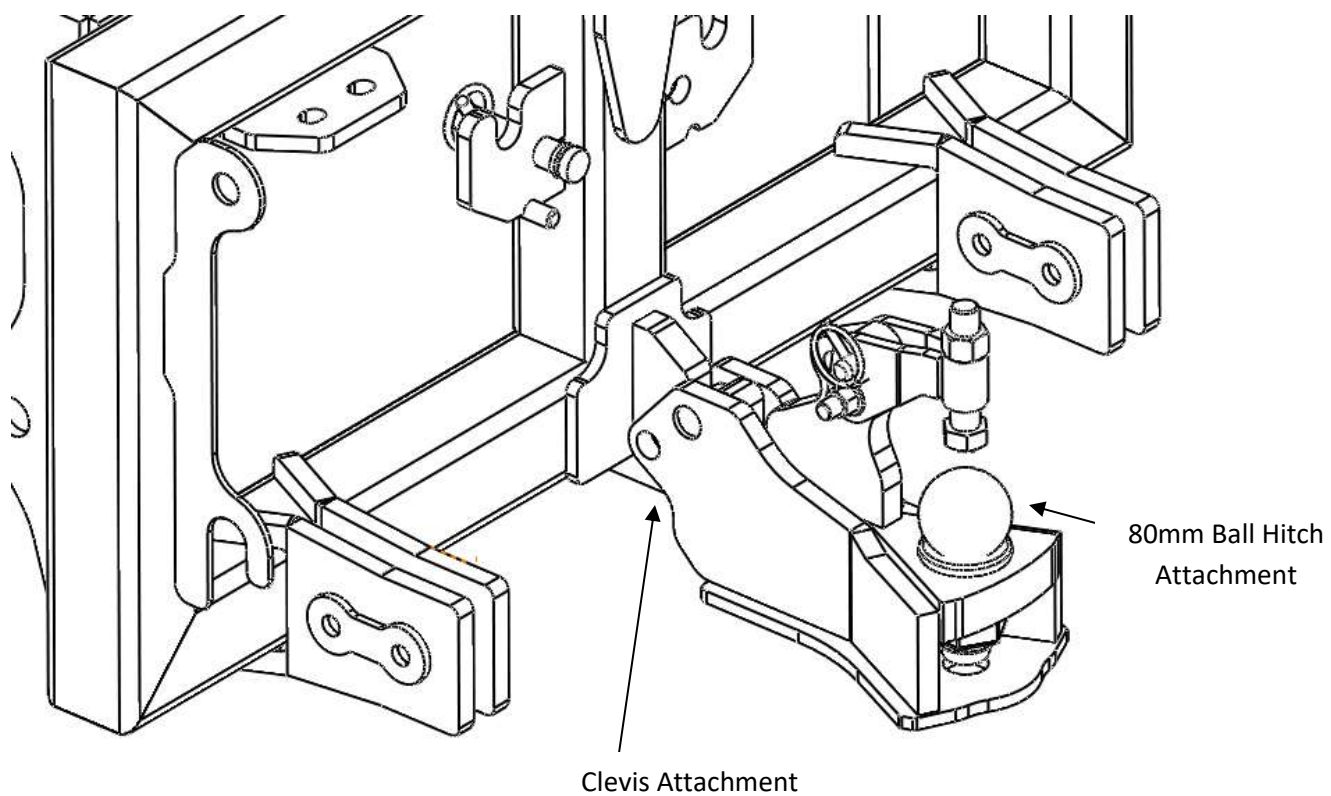
The MAXIMUM safe working load (SWL) of this optional attachment is 3000kg

The D Shackle and swivel hook are supplied as one whole unit and must not be separately for use other than what they are intended.

**DO NOT USE THIS SWIVEL HOOK ATTACHMENT WHILST TRAVELLING ON THE PUBLIC HIGHWAY.**



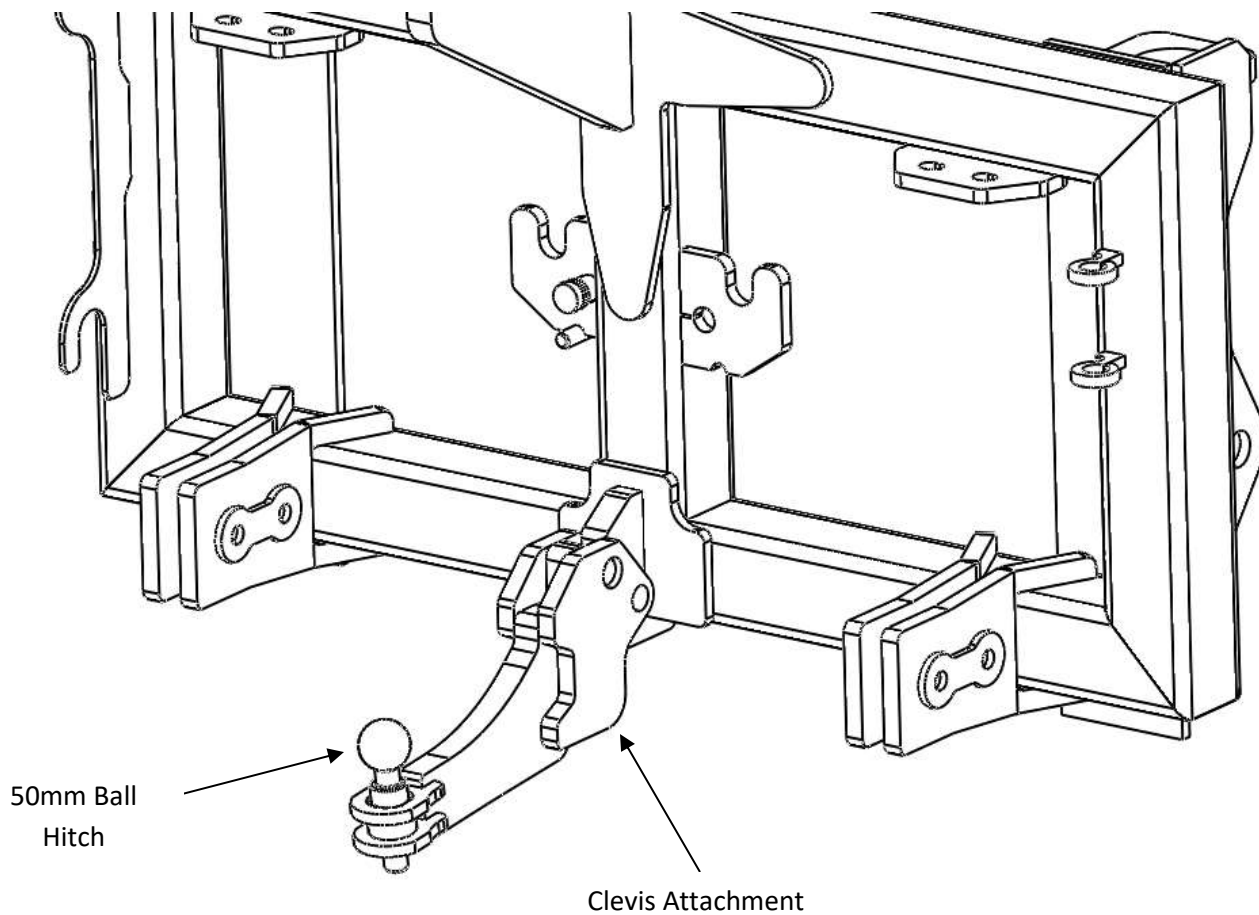
### 80mm Heavy Duty Ball Hitch



Part number for 80mm ball hitch: RO71177



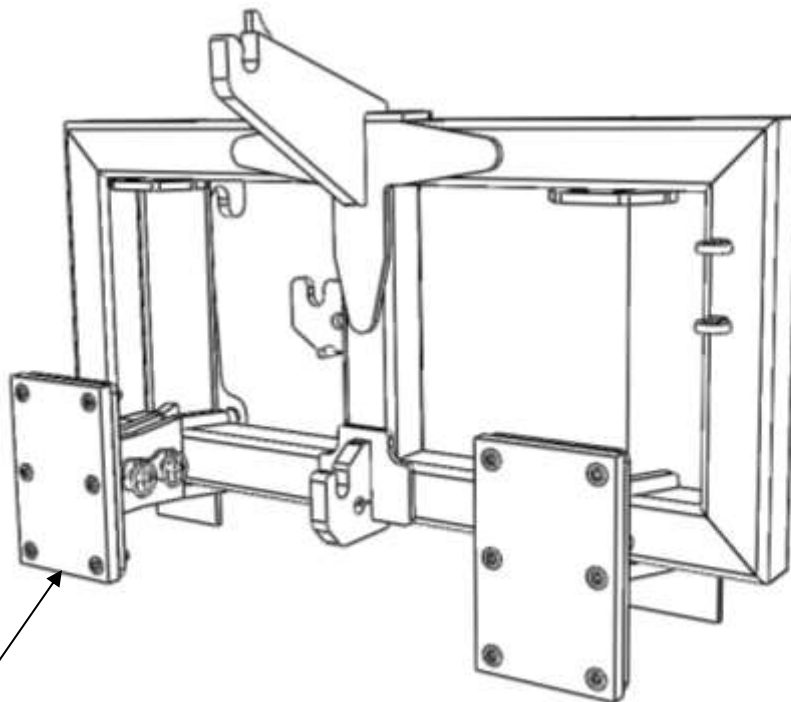
### 50mm Ball Hitch Attachment



Part number for 50mm ball hitch: Z992465



**Rubber Stabiliser Option for Original Quickshift & Quickshift Plus**

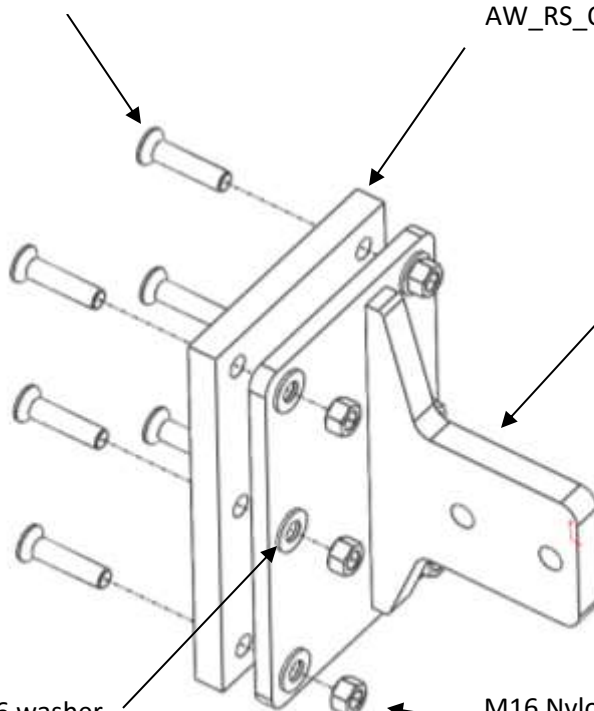


AW\_RS\_QS\_Main  
(Rubber Stabiliser  
Plates)

M16 x 70mm Q/S Bolts  
(AW\_M16x70\_CS\_B)

AW\_RS\_QS\_Rubber





AW\_RS\_QS01



M16 washer  
(AW\_M16\_W)

M16 Nylock  
(AW\_M16\_NL)

**STICKERS**

Sticker	Part Number	Description	Quantity per Machine
	AW_QS_LS (460mm x 90mm)	Quickshift sticker	2
	AW_QS_AS (185 mm x 85mm)	Agriweld sticker	2
	AW_QS_GB (85mm x 50mm)	Great Britain sticker	2
	AW_OM_S	Read operator manual sticker	1

## Pearson & Curtiss Ltd

Lifting & Fabrication Engineers  
 "Gillane Works", Wassand Street, Hull, HU3 4AL  
 Tel: (01482) 323014 Fax: (01482) 215944  
 E-mail: Info@PearsonCurtiss.co.uk www.PearsonCurtiss.co.uk



### REPORT OF LOAD TEST

Customer:

AGRIWELD LIMITED  
 MAIN STREET  
 GARTON ON THE WOLDS  
 DRIFFIELD  
 YO25 0EU

Report Number: 10621  
 Customer Order No.: .  
 Date Of Report: 20/12/2018

#### TEST REPORT

This report does NOT authorise the equipment to be put into service.  
 An EC Declaration or inspection report is needed to do this.  
 This report has no direct legal status in relation to the regulations for lifting equipment but it may be required to support legal requirements for such equipment e.g. in the compilation of a technical file.

ID No.	DESCRIPTION OF ITEM	QTY	TEST LOAD	RESULT
.	8000kgs WLL quick shift	1	16 tonnes applied	No visible defects found before, during or after test

Any part found to have a defect:

None

Authorised Signature:

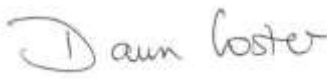
K Johnson, QA Manager

# AGRIWELD

## CE Declaration of Conformity

The equipment which accompanies this declaration is in conformity with EU Directive(s):-

**2006/42/EC Machinery Directive**

Manufacturer Name:	Agriweld Ltd
Manufacturer Address:	Main Street Garton-on-the-Wolds Driffield East Yorkshire YO25 3ET
Product:	Quickshift Plus Lifting Frame (8000kg Model)
Product Options:	All
Individual Serial Number:	
Product Description:	An attachment specifically for use on forklifts/loaders with a maximum lift capacity of 8000kg for the lifting and moving of 3 point linkage and trailed equipment.
Date of Last Load Test Report:	20 <sup>TH</sup> December 2018
Supplementary Information:	This equipment is subject to LOLER inspection (Lifting Operations and Lifting Equipment Regulations 1998) within 12 months of putting into service.
Authorised Signatory on Behalf of Manufacturer:	
Name of Signatory:	Dawn Foster
Position in Company:	Director
Date of Issue:	