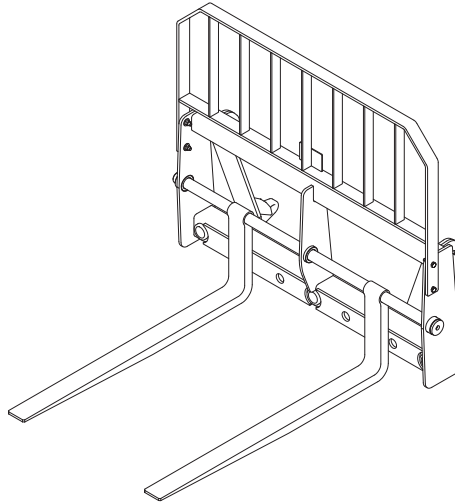


PALLET FORK & BALE SPEAR OPERATOR'S MANUAL



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DECAL IS APPLIED TO THE
ATTACHMENT

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DECAL TO BE APPLIED TO
WINDOW OF MACHINE

ACCESS OPERATOR MANUALS RISK ASSESSMENTS AND MORE

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To the Purchaser

Thank you and congratulations on the purchase of your new Digga Pallet Fork/Bale Spear. This product was carefully designed and manufactured to give you years of dependable service. It is mandatory to read these instructions to keep the equipment running in top working condition.

Before Operation

Inspect the attachment for shipping damage and if any damage does exist, do not operate until the damaged parts have been replaced or repaired. The primary responsibility for safety with this equipment falls to the operator. Make sure the equipment is operated only by trained individuals that have read and understood this manual. If there is any portion of this manual or function you do not understand, contact your local authorized Digga dealer or the manufacturer to obtain further assistance. Keep this manual available for reference. Provide the manual to any new owners and/or operators.

About This Manual

This manual has been designed to help you do a better and safer job. **Read this manual carefully and become familiar with its contents before connecting and operating this unit.**

Service

Use only manufacturer replacement parts. Substitute parts may not meet the required standards.



CAUTION

Never allow anyone to operate this attachment without reading the “Safety precautions” and “Operating instructions” sections of this manual. Always choose hard and level ground to park the vehicle on and set the brake, so the unit cannot roll.

Product Identification

MODELS COVERED IN THIS MANUAL	
PALLET FORK/BALE SPEAR	
PALLET FORKS*	PALLET FORK & BALE SPEARS COMBOS**
900 kg Models	Standard Frames- 1200 kg
1200 kg Models	Standard Frames - 1600 kg
1600 kg Models	Large Frames - 1900 kg
1900 kg Models	

Your Digga Pallet Fork/Bale Spear model provides important information about the product. Compare the model engraved on the serial plate to the list above.

*This manual does not cover Multifit Pallet Forks models PF-001130-1500/1800/4000. See manual PM-000135.

** This manual does not cover Bale Spears models BS-000077 & BS-000078. See manual PM-000245.

Product Identification

Your Digga Pallet Fork/Bale Spear is a user serviceable part. When servicing or assembling your product, use only genuine Digga replacement parts. Substitute parts may not meet the standards required for safe and dependable operation. Use of non genuine Digga parts will void warranty and Digga accept no liability what so ever for consequential or special damages. All service must be performed by qualified professionals. Contact your local Digga dealer for details. To facilitate warranty or service, record the model and serial number of your unit in the space provided on this page. This information may be obtained from the identification plate located on the product.

Manufacturer DIGGA Australia Pty Ltd <small>PO BOX 218 440 STY</small>	
Date of manufacture:	<input type="text"/>
Model No.:	<input type="text" value="PF"/>
Serial No.:	<input type="text"/>
DESIGN CAPACITY OF THIS ATTACHMENT IS IN ACCORDANCE WITH AS 2309.1-2016 AND HAVING A RATING OF: <input type="text"/> kg x 600mm crs.	
Mass of attachment (approximate)	<input type="text"/> kg.
www.digga.com Ph: 1300 2 DIGGA	

DE-000064

DE-000064

Model: _____

Serial Number: _____

Purchase Date: _____

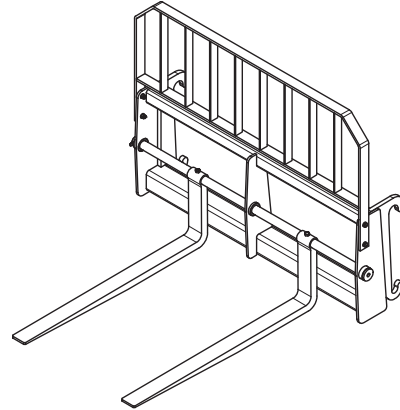
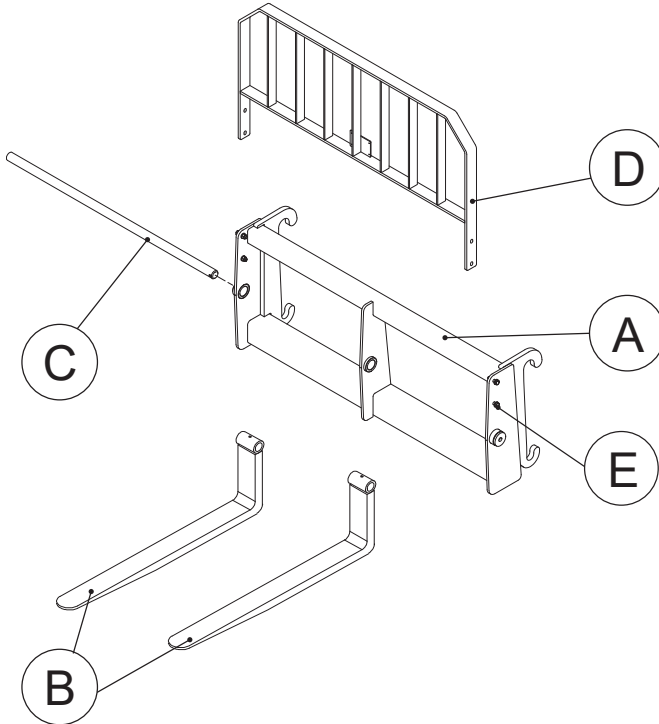
NOTE

The parts department needs this information to ensure accurate parts can be sent to the authorized service agent.

Preparation for use

To avoid any inconvenience before operation, please check that you have received the following items which you may have ordered. Items may differ depending on type of machine the Pallet Fork/Bale Spear is to be fitted to.

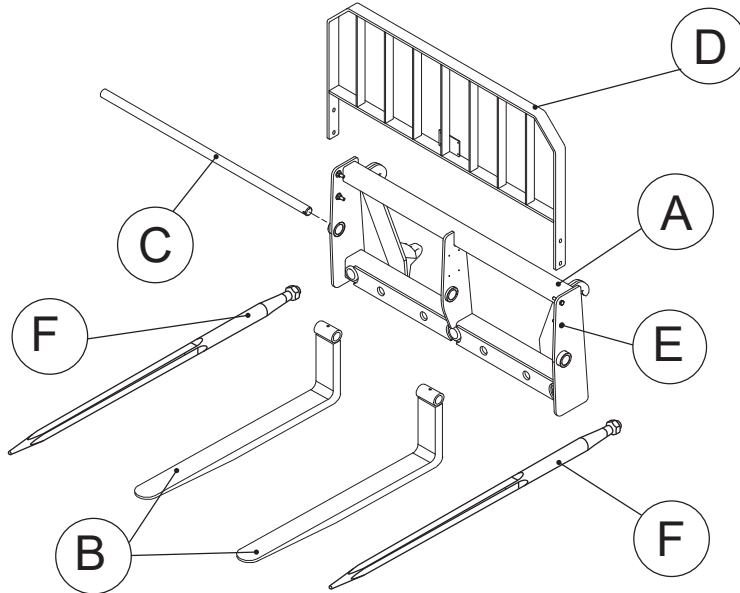
Pallet Forks



REF	DESCRIPTION	QTY
A	Pallet Fork Weldment	1
B	Pallet Fork Tynes (comes with locking pin)	2
C	Tyne Bar (comes with locking bolt & nut)	1
D	Grill Weldment	1
E	M10 Fastener set (bolt, washers & nyloc nut)	4

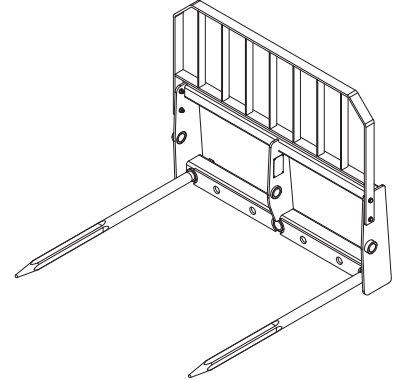
Preparation for use

Pallet Fork & Bale Spears Combos - Standard Frame

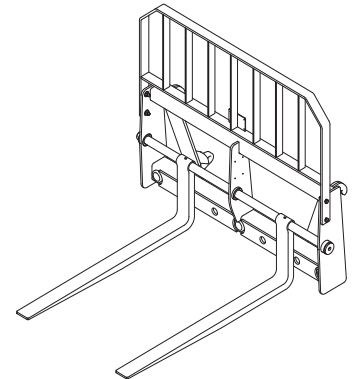


REF	DESCRIPTION	QTY
A	Pallet Fork Weldment	1
B	Pallet Fork Tynes (comes with locking bolt)	2
C	Tyne Bar (comes with locking bolt & nut)	1
D	Grill Weldment	1
E	M10 Fastener set (bolt, washers & nyloc nut)	4
F	Bale spears (comes with nut)	2

BALE SPEARS CONFIGURATION

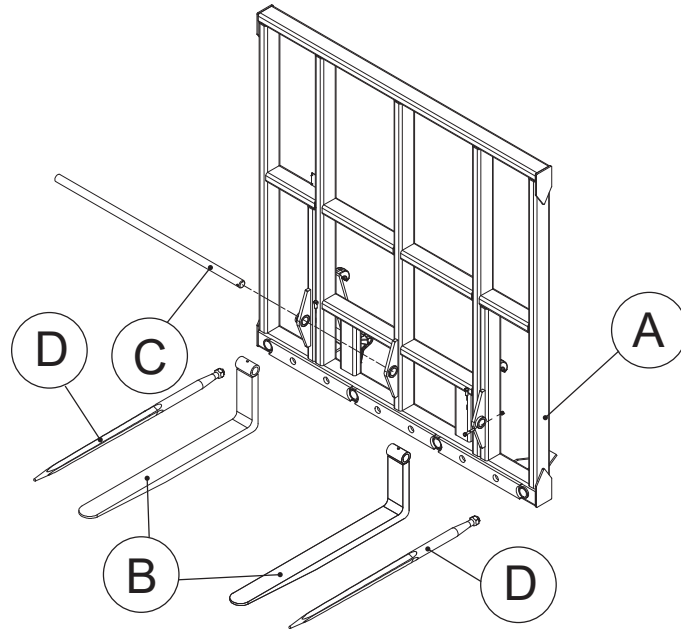


PALLET FORK CONFIGURATION



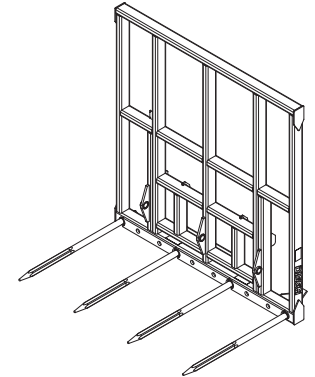
Preparation for use

Pallet Fork & Bale Spears Combos - Large Frame (to suit telehandlers)

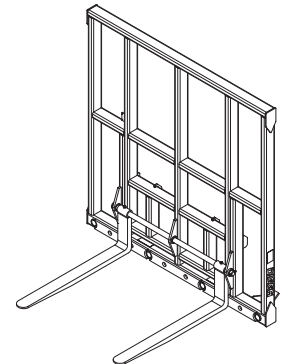


REF	DESCRIPTION	QTY
A	Pallet Fork Weldment	1
B	Pallet Fork Tynes (comes with locking bolt)	2
C	Tyne Bar (comes with locking bolt & nut)	1
D	Bale Spears (comes with nut)	2 or 4

BALE SPEARS CONFIGURATION
2 or 4 bale spears



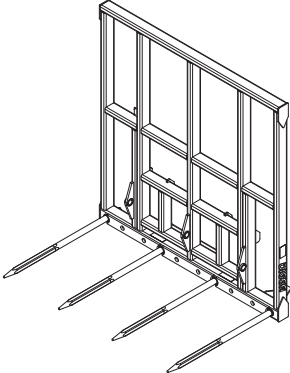
PALLET FORK CONFIGURATION



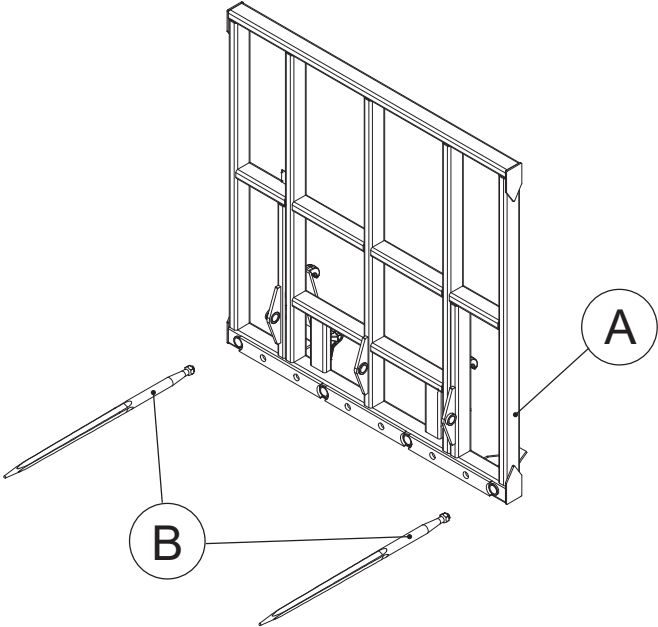
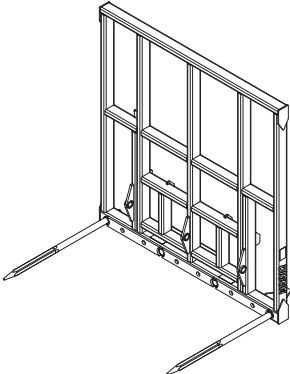
Preparation for use

Bale Spears - Large Frame (to suit telehandlers)

4 SPEARS CONFIGURATION



2 SPEARS CONFIGURATION



REF	DESCRIPTION	QTY
A	Large frame weldment	1
B	Bale Spears (comes with nut)	2 or 4

Safety Precautions - General Information

You must understand all safety statements shown on your attachment and in this manual. Especially note the information called out by the designations shown below. Follow these safety precautions, when operating or maintaining the attachment.



DANGER

The DANGER designation indicates an imminently hazardous situation that, if not avoided, will result in death.



WARNING

The WARNING designation indicates a potentially hazardous situation that, if not avoided, could result in death or serious injury.



CAUTION

The CAUTION designation indicates a potentially hazardous situation that, if not avoided, could result in minor or moderate injury or property damage.

NOTE

You will also see information called out with the NOTE designation. This additional safety or general information is important to the maintenance and operation of your loader.

During day-to-day operation of your attachment, you will encounter a variety of situations beyond those listed in this manual. We encourage you to assess the risk present at any job site and in every work task before beginning work. Apply appropriate risk mitigation strategies to make safety a first priority at all times, and if these are not sufficient, stop the job and immediately seek the help of a qualified safety consultant.

Safety Precautions - General Information

Know where utilities are

- Observe overhead electrical and other utility lines. Be sure the equipment will clear them.
- Before starting any digging project, lodge an enquiry with BYDA (Before you Dig Australia) or your local utilities location service for the identification of buried electrical, telephone, cable wires, gas, water and sewer lines are likely to be present. Unintentionally disrupting these hidden hazards while working with your loader can result in dangerous situations and property damage.
- Only commence works after having received and studied the underground plans and information thoroughly. Never begin work until the work area has been fully marked for underground utilities.
- For more information about digging best practices access www.byda.com.au. Many countries offer a similar service which advises the location of underground services in your area. If available use this service prior to digging, drilling, trenching or any form of excavating and earthmoving.



CAUTION

You must ensure that underground utilities have been officially marked before working in the area. Markings must be valid according to state law or practice.

Exposure to Respirable Crystalline Silica Dust Along with Other Hazardous Dusts

- It is recommended to use dust suppression, dust collection, and if necessary personal protective equipment during the operation of this or any other machine attachment that may cause high levels of dust.

Remove Paint Before Welding or Heating

- Hazardous fumes/dust can be generated when paint is heated by welding, soldering, or using a torch.
- Do all work outside or in a well ventilated area and dispose of paint and solvent properly.
- When sanding or grinding paint, avoid breathing the dust. Wear an approved respirator. If you use solvent or paint stripper, remove stripper with soap and water before welding.

Safety Precautions - General Information

- Remove solvent or paint stripper containers and other flammable material from area. Allow fumes to disperse at least 15 minutes before welding or heating.

End of Life Disposal

- At the completion of the useful life of the Pallet Fork/Bale Spear, dismantle by separating the different materials (rubber, steel, plastic, etc.). Follow all federal, state and local regulations for recycling and disposal of the components.

Operating the Pallet Fork/Bale Spear

- The primary responsibility for safety with this equipment falls to the operator. Make sure that the equipment is operated only by trained individuals, who have read and understood this manual.
- An operator must not use drugs or alcohol, which can change his or her alertness or coordination. An operator taking prescription or over-the-counter drugs should seek medical advice on whether or not he or she can safely operate the equipment.
- Don't hurry the learning process or take the unit for granted.
- It is the skill, care, common sense, and good judgment of the operator that will determine how efficiently and safely the job is performed.
- Visually inspect your equipment, ensure correct assembly and installation is done and never operate the equipment that is not in proper working order.
- Know the capabilities of your equipment and practice its operation to become familiar with the controls, emergency shut down procedures, and the way it handles on your machine.
- Follow all safety decals and keep them clean. Replace them, if they become worn, damaged or illegible.
- Do not paint over, remove or deface any safety signs or warning decals on your equipment.
- Operate only from the operator's station and operate only in daylight or with sufficient artificial light.
- Always carry loads close to the ground and do not exit the machine with the loader arms raised.

Safety Precautions - General Information

- Do not exceed rated operating capacity (ROC) of the host machine, as machine may become unstable resulting in loss of control. Overloading or exceeding the manufacturers specifications will also void all warranty.
- Always lower the loader arms or the machine boom to the ground, shut off the engine and remove the key before getting off the unit.
- Remove the Pallet Fork/Bale Spear from the parent machine before transporting to and from the job site.
- Never use the attachment on a machine that is not equipped with a cab rollover protective structure (ROPS) and/or falling object protective structure (FOPS), and operator restraints (seat belts or equivalent devices). Although, this is not applicable when using this attachment on a stand-on mini loader.
- Establish and maintain a minimum 6 meters (20 feet) exclusion zone around the working area. No person other than the operator should enter the work zone, while the parent machine's engine is running.
- Do not allow site workers to climb on the attachment at any time, including while stationary, in operation or being moved.
- Avoid steep hillside operation which could cause the machine to overturn. Consult your machine operator's and safety manual for maximum allowable incline.
- Reduce speed when driving over rough terrain, on a slope or turning to avoid overturning the machine.
- Travel only with the Pallet Fork/Bale Spear in a safe transport position to prevent the uncontrolled movement.
- Drive slowly over rough ground and on slopes.
- Tether any accessory connected to the Pallet Fork/Bale Spear with a chain if necessary, to prevent uncontrolled swinging of the attachments.
- Do not drive close to ditches and excavations, etc, as cave in could result.
- Flow and pressure gauges, fittings, and hoses must have a continuous operating pressure rating of at least 25% higher than the highest pressure of the system.

Safety Precautions - General Information

- All operations must be stopped in the event of local thunderstorm or lightning activity. During operation, weather conditions shall be monitored, operations shall cease during electrical storms or when electrical storms are imminent. Ground personnel and bystanders.
- Be alert to others in the work area. Be sure others know when and where you will be working.
- Loose fitting clothing, long hair, jewellery and equipment which might become entangled in moving equipment are prohibited while working near the Pallet Fork/Bale Spear.
- Operators, helpers, and other personnel working near the attachment must wear steel-toe safety shoes, safety glasses, and hard hats as a minimum. Hearing protection, respirators, and personal protective clothing will be specified in the site-specific Health and Safety Plan.
- The Pallet Fork/Bale Spear shall be cleaned only when the attachment is lowered to the ground and the host machine is switched off; long-handled shovels shall be used to move debris from the Pallet Fork/ Bale Spear. Materials heavier than 10 kg must be moved mechanically or by using at least two people.
- The Pallet Fork/Bale Spear shall be used only for their designed intent and shall not be loaded beyond their rated capacity. Overloading or exceeding the manufacturers specifications will void all warranty.



CAUTION

Wait for the mechanism to completely stop before making any adjustments or cleaning.



DANGER

During Pallet Fork/Bale Spear operation, maintain a minimum “no-work zone” buffer of 10 feet (3 meters) from any overhead electrical service and 6 feet (2 meters) from any underground service . All bystanders should be kept at a minimum of 20 feet (6 meters) away from the working area of the Pallet Fork/Bale Spear.

Safety Precautions - General Information

Storing your Pallet Fork/Bale Spear

- Clean the unit thoroughly by removing all mud, dirt, grease, etc..
- Inspect for visible signs of wear, breakage, or damage. If required, order any damaged parts and perform the necessary repairs to avoid delays upon removal from storage.
- Ensure that the tyne bar is coated with a film of grease.
- Tighten loose nuts, cap screws.
- Replace safety decals that are damaged or in an unreadable condition.
- Store unit in a dry and protected place, as leaving the unit outside will materially shorten its life.

Maintaining the Pallet Fork/Bale Spear

- All maintenance should be performed with the engine turned off, parking brakes applied, machine arms lowered, and hydraulic pressure relieved.
- Lock out and tag out the equipment before repairs or maintenance is performed.
- Only properly trained and qualified individuals are permitted to perform repairs and maintenance.
- If lift arms must be left raised for any reason, use a positive lift arm lock to secure the arms in place. Serious damage or personal injury could result from lift arms accidentally lowering.
- Never adjust a relief valve for pressure higher than recommended by the machine's manufacturer.

Transporting the Pallet Fork/Bale Spear

- When transporting your attachment, follow all local government regulations that may apply along with any equipment safety precautions provided in this manual.
- It is the responsibility of the operator that safe systems of work are employed while handling this attachment.
- No tie down points are provided on the attachment and its the responsibility of the operator to ensure that the attachment is firmly fastened without causing any damage to it.
- Attachment should be well secured, when being moved or in transit and furthermore prior to moving, storing, loading/unloading, or parking.

Safety Precautions - General Information

- Verify that all tie down accessories (chains, slings, ropes, shackles, etc.) are capable of maintaining attachment stability during transporting and are attached in such a way to prevent unintended engagement or shifting of the unit.
- Use extra care when loading or unloading the attachment on to a trailer or truck. No responsibility for loss or damage to persons or property in any regard can be attributed to Digga.

Safety - Working with the Attachment

Complete a Risk Assessment

Your Digga Pallet Fork/Bale Spear is a versatile machinery attachment, capable of performing its tasks in a safe and effective manner. To ensure the safety of operators and others, it is important to document the work at hand for hazard and risk. Before beginning work, complete a risk assessment. The following steps provide a framework for this activity:

1	DOCUMENT THE ACTIVITY Assemble those involved in the activity. Write down the tasks required for the activity in step-by-step form.
2	IDENTIFY THE HAZARDS Next to each task, identify what part of the task may cause injury to those engaged in the task or others in the vicinity. Rate the consequences and likelihood of the hazard using the risk assessment matrix.
3	DOCUMENT THE CONTROL MEASURES Using the results from the risk assessment matrix, determine which hazards require attention. List all mitigation measures that are required to eliminate or minimize those hazards.
4	IDENTIFY THE RESPONSIBLE PERSON Document the name of the person responsible for implementation of the mitigation measure.
5	MONITOR AND REVIEW Ensure that the activity is supervised and that the documented process is being followed.

NOTE

Remember, Personal Protection Equipment (PPE) provides a level of protection during work, but PPE is the last level of hazard control and prevention. Always refer to the hierarchy of hazard control, when planning a safety process.

Safety - Working with the Attachment

Take Extreme Care When Dealing with Hydraulics - Whilst Assembling, Operating, Maintaining or Performing any work on or near this product.

- Hydraulic fluid under pressure can penetrate the skin and may develop gangrene or other permanent disabilities. **Hydraulic leaks under pressure may not be visible!**
- If any fluid penetrates the skin, **get immediate medical attention!**
- Wear safety glasses, protective clothing, and use a sound piece of cardboard or wood when searching for hydraulic leaks. **Do not use your hands!**
- Before connecting or disconnecting hydraulic hoses, read your machine or power unit's operator manual for detailed instructions on connecting and disconnecting hydraulic attachments.

NOTE

For any additional safety information please see "Risk Management Booklet". To obtain a copy of this document please contact Digga Head Office.

Safety - Working with the Attachment

When Mounting this Product to Your Machine

- Refer to the operator's manual of your host machine for any special or detailed mounting instructions regarding the quick-attach mechanism.
- This product should fit onto the quick-attach frame or hitch (machine mount). If this product does not fit properly, contact your Digga dealer before operating.
- Where enabler 'Dead Man' controls are installed it is illegal to disengage, tamper with, or remove them.



WARNING

Never place any part of your body into the mounting plate, frame, hitch or loader holes. A slight movement of the power unit and this product could cause serious injury.

When Adjusting Servicing or Repairing this Product

- Do not make any modifications to your Digga attachment.
- When making repairs use only competent and experienced service agents and use only genuine Digga parts. For fasteners, use only properly rated parts.
- Replacement parts must also have safety signs attached.


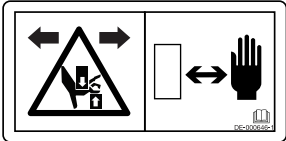






CAUTION

Wait for all moving parts to stop completely before making any adjustments or cleaning.

Safety - Decal Labels

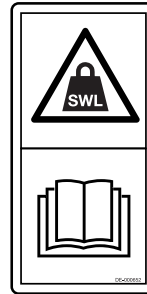
This section provides a glossary of safety labels found on your Digga Pallet Fork/Bale Spear. These labels are important! Become familiar with both their meaning and location prior to operating the Pallet Fork/Bale Spear. Ensure that each label is clean, visible, and legible at all times. To clean the decal, use a soft cloth, water, and soap. Avoid the use of solvents, gasoline, or other harsh chemicals, as these may damage the decal. If a label has been damaged or removed, it must be replaced.

READ OPERATOR'S MANUAL	PINCH POINT HAZARD	CRUSH HAZARD
		
<p> DANGER</p> <p>Completely read and understand this operator's manual before using your attachment. Keep the manual with the attachment at all times.</p>	<p> WARNING</p> <p>Do not attempt to reposition the tynes with hands and fingers wrapped around the tyne. See "How to adjust tyne width" on page 37.</p>	<p> DANGER</p> <p>Keep hands and body parts clear of the attachment. Keep all bystanders at a safe distance (6 meters/20 feet) from operating attachment and work zone. Do not allow persons under the forks/spears.</p>

FALL HAZARD



SAFE WORKING LOAD



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DANGER

Do not allow persons over the forks. Do not ride on the attachment. This attachment must not be used as a personnel access device.

CAUTION

Do not exceed the attachment Safe Working Load. Refer to "Safe Working Load" on page 40.

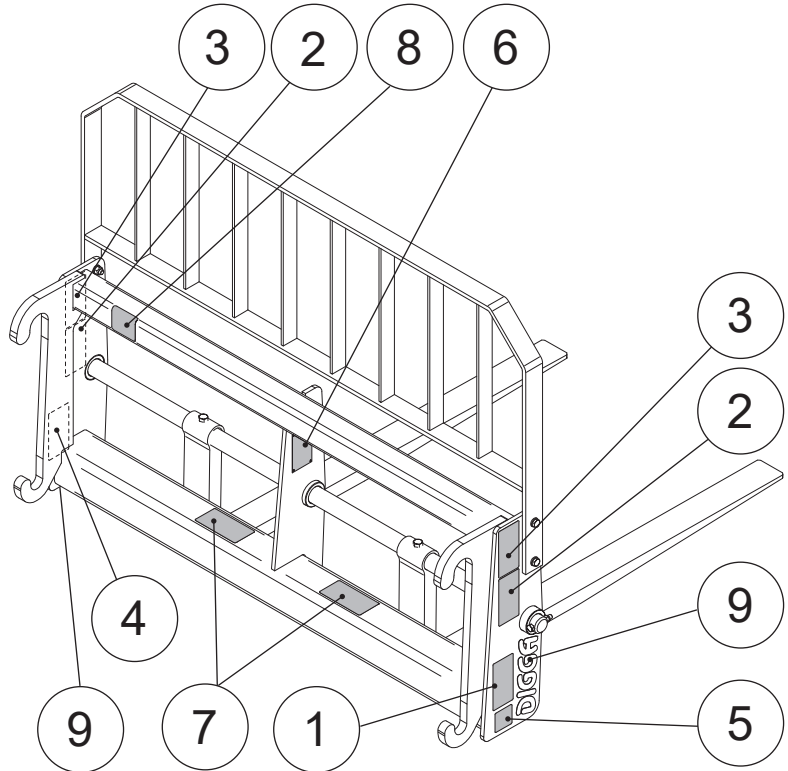
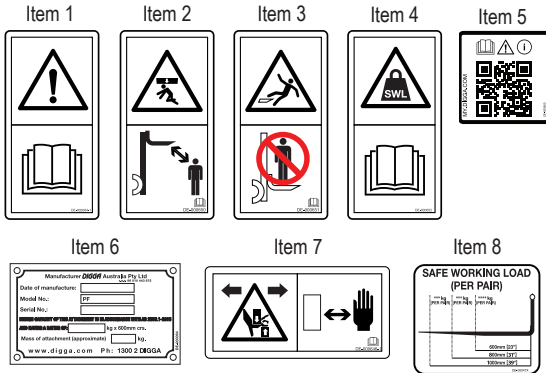
NOTE

Scan the QR-code to access my.digga.com and find manuals, safety information, guides and more.

Safety - Decal Labels

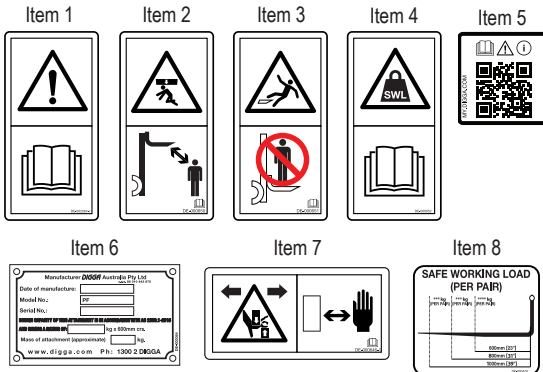
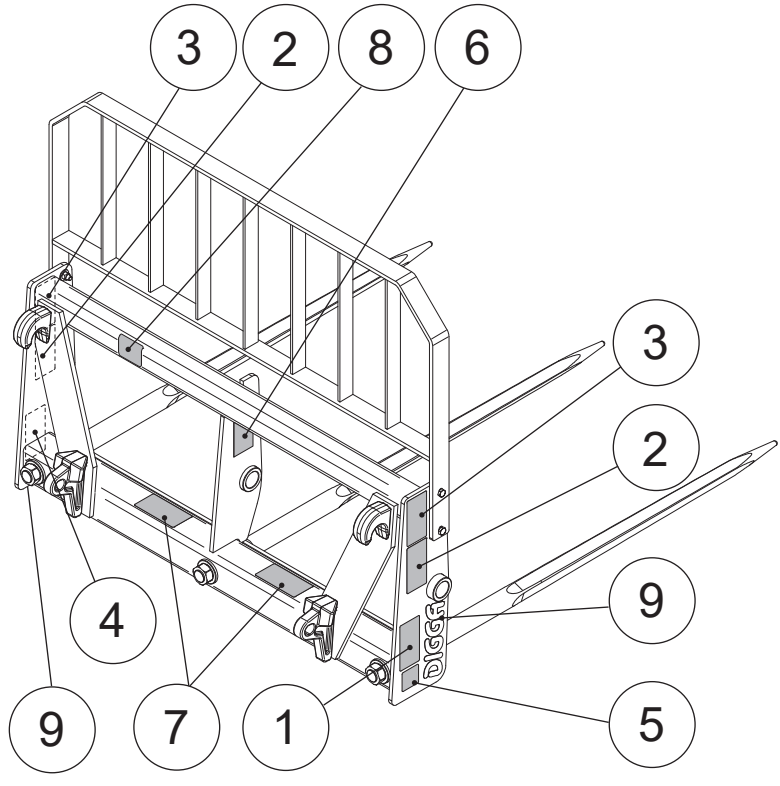
Pallet Fork - Standard Frame

ITEM	ORDER CODE	DESCRIPTION	QTY
1	DE-002064-1	Read Operator's Manual	1
2	DE-000650	Crush Hazard	2
3	DE-000651	Fall Hazard	2
4	DE-000652	Safe Working Load	1
5	DE-000850	my.digga.com	1
6	DE-000064	Serial Tag	1
7	DE-000646	Pinch/Crush Point	2
8	DE-000478	SWL 900kg	1
	DE-000473	SWL 1200kg	
	DE-000474	SWL 1600kg	
	DE-000475	SWL 1900kg	
9	DE-000049	Digga Logo	2



Pallet Fork & Bale Spears Combos - Standard Frame

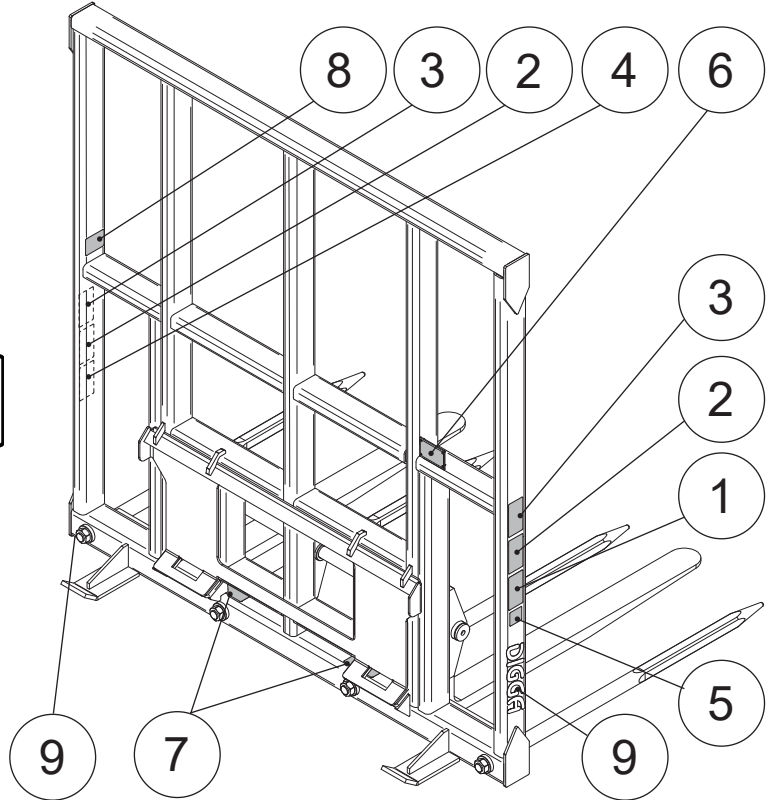
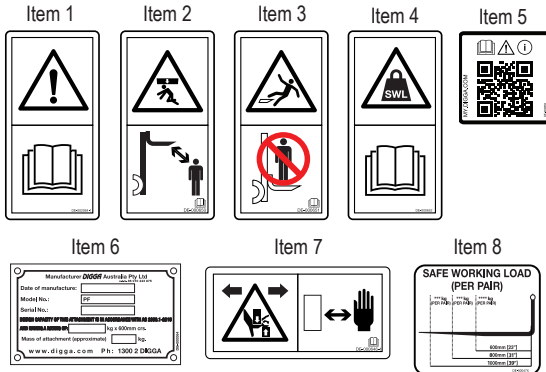
ITEM	ORDER CODE	DESCRIPTION	QTY
1	DE-002064-1	Read Operator's Manual	1
2	DE-000650	Crush Hazard	2
3	DE-000651	Fall Hazard	2
4	DE-000652	Safe Working Load	1
5	DE-000850	my.digga.com	1
6	DE-000064	Serial Tag	1
7	DE-000646	Pinch/Crush Point	2
8	DE-000478	SWL 900kg	1
	DE-000473	SWL 1200kg	
	DE-000474	SWL 1600kg	
	DE-000475	SWL 1900kg	
9	DE-000049	Digga Logo	2



Safety - Decal Labels

Pallet Fork & Bale Spears Combos - Large Frame

ITEM	ORDER CODE	DESCRIPTION	QTY
1	DE-002064-1	Read Operator's Manual	1
2	DE-000650	Crush Hazard	2
3	DE-000651	Fall Hazard	2
4	DE-000652	Safe Working Load	1
5	DE-000850	my.digga.com	1
6	DE-000064	Serial Tag	1
7	DE-000646	Pinch/Crush Point	2
8	DE-000474	SWL 1600kg	1
9	DE-000049	Digga Logo	2



Before Use

The key feature of your Digga Pallet Fork/Bale Spear is low maintenance. It contains user serviceable parts. When servicing your product remember to use only genuine Digga replacement parts. Use of non-genuine Digga parts will void warranty and Digga will accept no liability what so ever for consequential damages as a result thereof.



DANGER

Safety first!! Read and understand the safety instructions before beginning any maintenance.

Before First Use

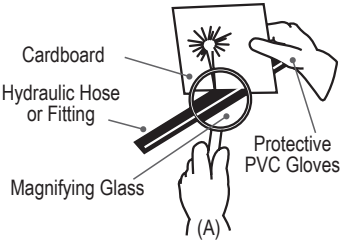
Inspect the Pallet Fork/Bale Spear for shipping damage. If damage does exist, do not operate until the damaged parts have been replaced or repaired.

Before Each Use

- Make sure that all nuts and bolts are in place and properly tightened.
- Make sure that all other fasteners are in place and are performing their specified function.
- Make sure that all hydraulic fittings are tightened and that there are no leaks in any fittings or hoses.
- Make sure that all safety signs are in place, are clean, and are legible (see "Safety - Decal Labels" on page 23)
- Check for wear and tear on pins, linkages, cutting edges and replace any damaged parts and excessively worn parts.
- Use only manufacturer recommended replacement parts. Other parts may be substandard in fit and quality.
- Ensure any damage or excessively worn parts are replaced.
- Always wear safety goggles or glasses when inspecting equipment.
- Ensure that the tyne bar is coated with a film of grease. See "Greasing" on page 38.

WARNING

Escaping fluid under pressure as low as 100 PSI can have sufficient force to penetrate the skin up to 4" (100mm) away causing serious personal injury. Fluid escaping from a very small hole can be almost invisible. Use a piece of cardboard or wood, rather than hands to search for suspected leaks (A). Keep unprotected body parts, such as face, eyes, and arms as far away as possible from a suspected leak and use heavy duty PVC protective gloves. Flesh injected with hydraulic fluid may develop gangrene or other permanent disabilities.



WARNING

Always wear the correct PPE, when operating or performing maintenance on this attachment. If a hydraulic fluid injection injury occurs, seek emergency medical attention immediately. Explain to medical staff that the injury is the result of pressurised fluid injection. Remember that even if the point of entry appears as a minor pin hole, this potentially could be a major injury, especially if not treated in time.

Commissioning Procedure

The Digga Pallet Fork/Bale Spear attaches to the tool bar/quick-attach mechanism of your Machine. Due to this arrangement, thorough knowledge of the machinery controls is necessary for machine operation. Read and understand your machine operator's manual for information regarding machine operation before attempting to use the Pallet Fork/Bale Spear.

When a Pallet Fork/Bale Spear is purchased from DIGGA or a DIGGA Dealer/Distributor, the frame/attachment is matched for suitability and compatibility to the load ratings of the original machine it was purchased for. For fitment of the Pallet Fork/Bale Spear to other machines you must first contact your DIGGA dealer and receive written confirmation to ensure you do not incorrectly fit the attachment to a machine with lower rated load capacities than what the product was designed for.

Warranty will be void if the Pallet Fork/Bale Spear is fitted to an alternative machine without first receiving written confirmation from your DIGGA dealer.

Check the work site and identify the extent of the work to be carried out and note any possible hazards or constraints. Overhead cables, underground utilities, services, etc. Check with relevant service providers on the location of these before commencement of any work (see "Know where utilities are" on page 13). Review the job at hand and determine the Pallet Fork/Bale Spear is appropriate for the intended conditions. For example: Do not use it as a personnel lifting device.

Installation instructions

1. Remove the shipping banding from around the Pallet Fork/Bale Spear and frame.
2. Remove any attachments from the front of the Machine.
3. Ensure you have read the attachment safe working load ratings.
4. Following all standard safety practices and the instructions for installing an attachment in your machine and quick-attach operator's manuals, install the Pallet Fork/Bale Spear onto your Machine.

NOTE

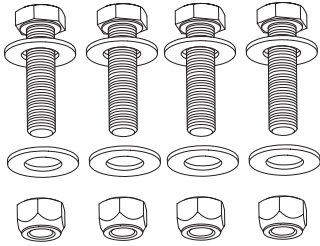
It is important to make sure the locking mechanism on your quick attach is engaged, therefore locking the attachment onto the machine.

5. Lower the unit to the ground and remove the key from the parent machine.
6. Carefully raise the machine arms and cycle the tilt cylinders to check clearances and to verify that all mounting procedures have been successfully completed.
7. Your attachment is now ready for use.

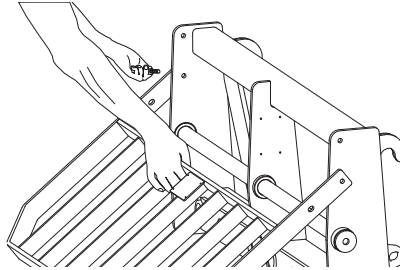
Commissioning Procedure

Load Guard Assembly

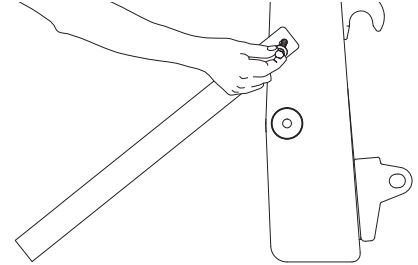
Pallet Forks with standard frames comes with a load guard grill, which is shipped disassembled. Follow the instructions below to assemble the load guard before the first use:



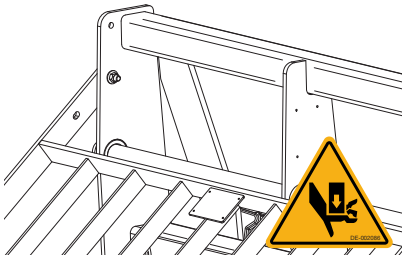
Step 1. Start by splitting the 4 nuts & bolts, leaving 1 washer on each bolt. Each bolt is supplied with 1 nut and 2 washers.



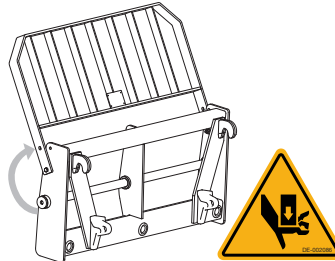
Step 2. Stand frame upright on even ground ensuring the frame is stable and secured. From the tyne side, place the top of the guard on the ground.



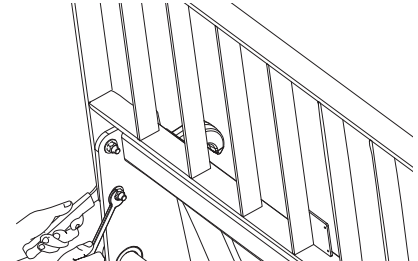
Step 3. Lift the bottom of the guard and line up the bottom holes on the guard with the bottom holes on the frame.



Step 4. Insert a bolt and finger-tighten nut to secure it. Ensure one washer is installed on either side of the frame guard assembly. Repeat on the other side.



Step 5. Raise the frame up and insert bolts through the guard and the top holes on frame. Insert bolts on either side and finger tighten to secure.

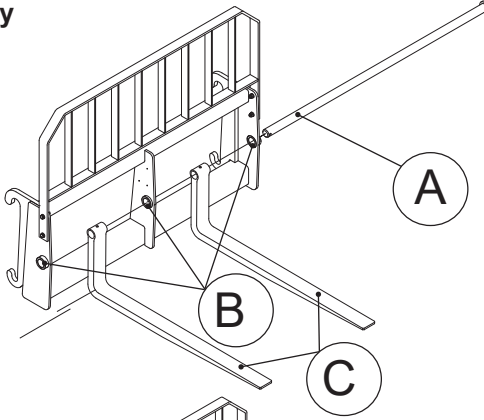


Step 6. Tighten all four bolts to 44 Nm (32.5 lbf-ft) with a wrench, spanners or sockets.

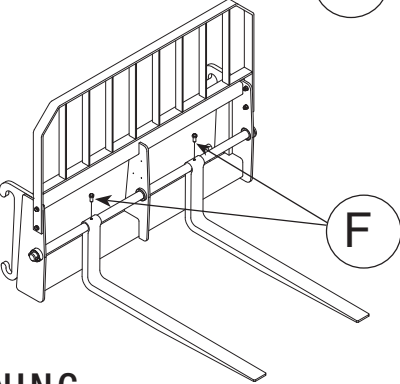
Commissioning Procedure

Tynes Assembly

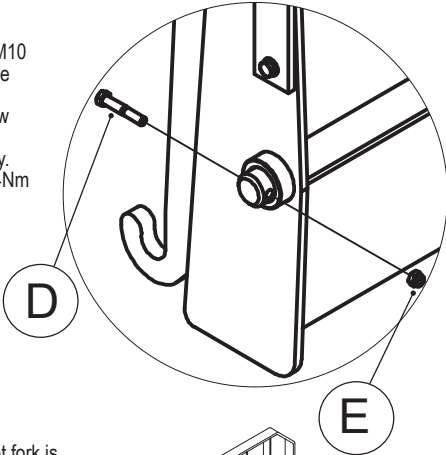
Step 1. With the frame securely attached to the machine, slide the tyne bar (A) through the 3 frame bushes (B) and the tynes (C) as per the figure.



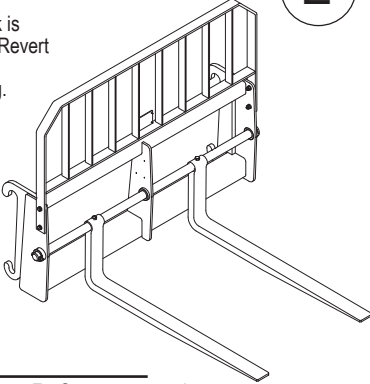
Step 3. Adjust the tynes to desired width (refer to page 37). Lock them in place by tightening the M10 locking bolts (F). Smear a film of grease along the entire length of the tyne bar.



Step 2. Pass the M10 bolt (D) through the hole at the end of the tyne bar. Screw the nyloc nut (E) and tighten it firmly. Nominal torque 44Nm (32.5 lbf-ft).



The pallet fork is ready to use. Revert operations for disassembling.



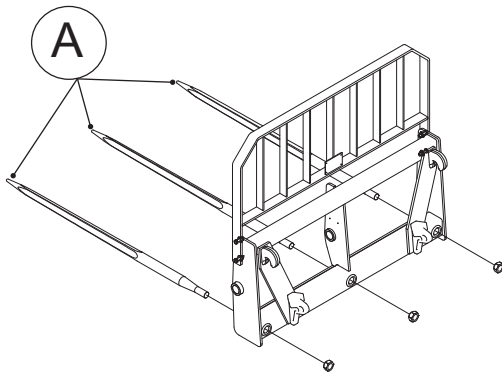
WARNING

Do not attempt to reposition the tynes with hands and fingers wrapped around the tyne. Refer to page 37.

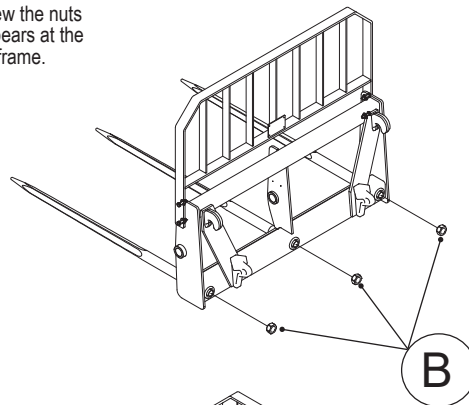
Commissioning Procedure

Spears Assembly

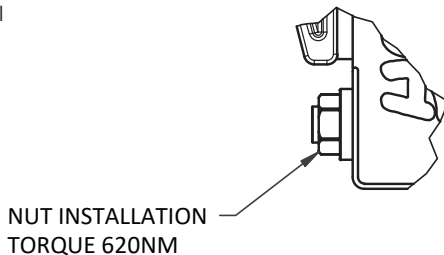
Step 1. Place the frame on even ground. Insert the bale spears (A) into the frame tapered holes. The number of spears varies. Refer to page 41 for loading considerations.



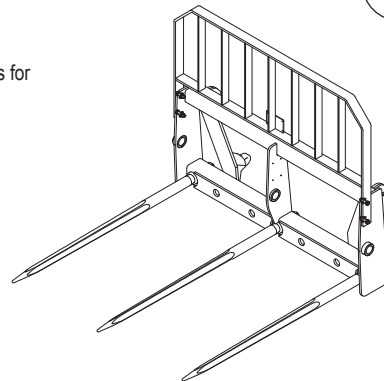
Step 2. Screw the nuts (B) to the spears at the back of the frame.



Step 3. Tight the nuts to the nominal installation torque.



The Bale Spears are ready to use. Revert operations for disassembling.



DANGER

Safety first!! Read and understand the safety instructions before operating the attachment and moving any loads. Failure to obey the following procedures could result in death or serious injury.

1. Remove bucket as per Machine Operators Manual.
2. Pick up the frame as you would your Loader Bucket and ensure that Pallet Forks/Bale Spear are securely attached to your machine as per your machine manual.
3. Adjust tyne width to suit pallet size and tighten the locking bolt. Refer to page 37 for correct methods of adjusting tynes.
4. Manoeuvre machine to required spot for lifting, lower Loader arm and tilt pallet forks forward until both tyne edges are just clear of the ground. Proceed forward placing the tyne through the pallet and lifting with loader arm.
5. Once the pallet is positioned, lower loader arm and reverse machine back maintaining required height to clear pallet.
6. Remember, your Pallet Forks/Bale Spear will only lift efficiently if they are adjusted correctly.
7. Do not overload Pallet Forks/Bale Spear this could cause injury and damage to Pallet Forks/Bale Spear. Refer to load chart for safe work load.
8. Do not apply load to one tyne alone as this can cause damage to the retaining pin and or tyne. The attachment is designed to lift evenly distributed weight.
9. Lifting capacity of attachment is rated at 600mm centres combined. Do not lift with one tyne. Lift capacity reduces significantly the further away the load is. See "Safe Working Load" on page 40.

Operating Instructions



DANGER

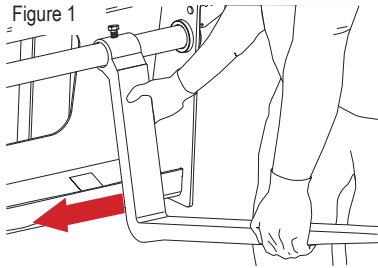
Do not exceed the lifting capacity of machine. Pallet forks/Bale spear and frame combined form part of the machine's Safe Working Load (SWL). Refer to the host machine operator's manual.

- Complete a daily inspection prior to operating Pallet Fork/Bale Spear.
- Under no circumstances allow passengers to ride on the Pallet Fork.
- This attachment is not a personnel access device. Do not use the pallet fork to lift persons.
- Always carry load as low as possible.
- Always travel at a low speed.

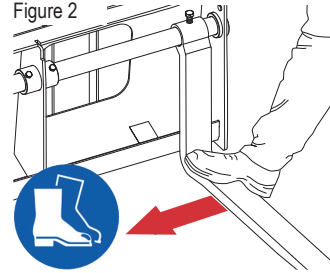
Operating Instructions

How to adjust tyne width

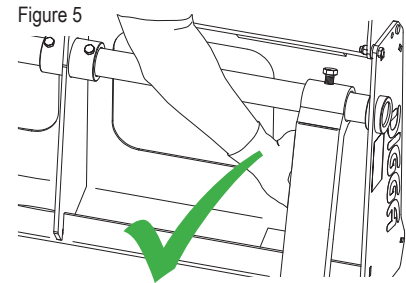
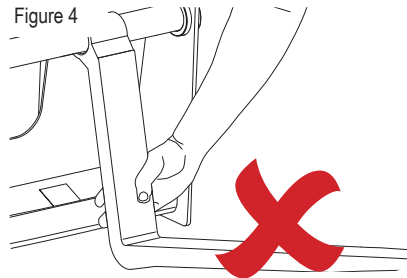
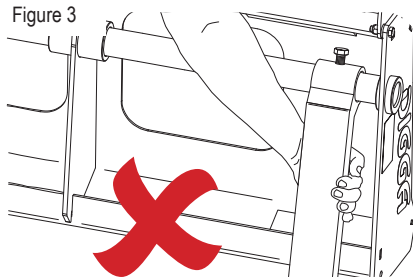
Ensure the equipment is safely immobilised before making any adjustment or maintenance to the attachment. When adjusting tynes, please place hands in correct position to avoid potential pinching.



Method 1: Lift the tyne with one hand while pushing the top of the tyne with the palm of your other hand. (Figure 1). Top hand should be positioned at the top of the tyne to ensure it is well away from the bottom rail. (Figure 4).



Method 2: Lower the pallet fork so it is just above the ground and kick tyne into position using the heel of your foot (Figure 2). Always ensure you are wearing appropriate safety footwear before attempting to adjust tynes using this method.



WARNING

Do not attempt to reposition the tynes with hands and fingers wrapped around the tyne (Figure 3 and 4). Always use the palm of your hand to avoid potential pinching (Figure 5).

Maintenance

Greasing

The Pallet Fork/Bale Spear has no grease nipples. Lubricate the tyne bar with multipurpose grease frequently to allow tynes to slide easily when adjusting width.

Visual Inspection

Inspect the attachment every day for wear, cracks and damage. Check if all fasteners are present and tighten. Do not use the Pallet For/Bale Spear if there are any issues with the frame or missing/defective parts. Follow all local regulations for lifting devices inspection.

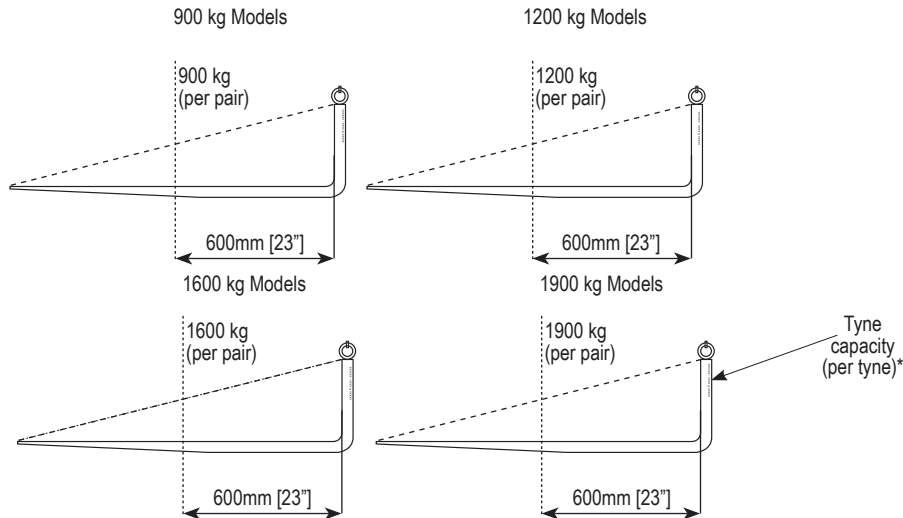
Technical Specifications

Safe Working Load

The Safety Working Load (SWL) is engraved on the attachment serial tag and is expressed in kgs per pair of tyres. The SWL is determined at a load centre distance of 600mm (23"). The loading capacity decreases as the load centre is located farther the tyre support. The tyre capacity is stamped on its side (See figure below). Only replace tyres with the type specified for your attachment.

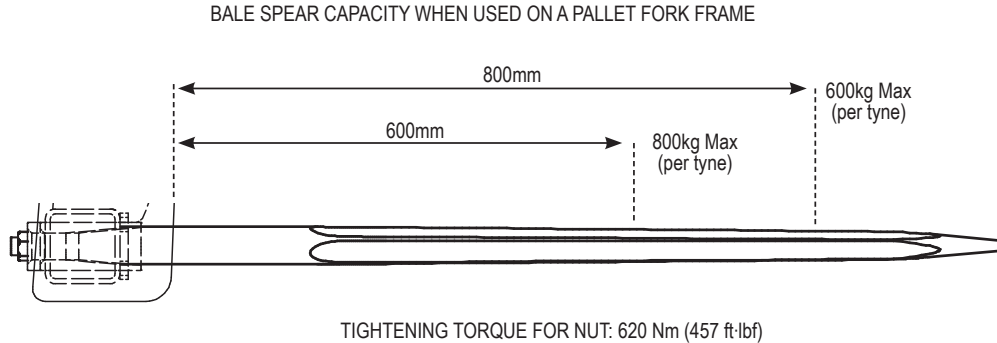


Do not exceed the Safe Working Load stated in the attachment serial tag.



***Tyre capacity does not constitute overall pallet fork capacity (SWL). Refer to the serial tag for attachment SWL.**

Bale Spears Load



DANGER

Overloading beyond the above specifications may cause permanent deflection or breakage. The rated capacity of the host machine and dynamic loads must be considered.

DANGER

When Bale Spear are mounted to a combo frame, the rated capacity of the attachment is also limited by the Bale Spear capacity as shown above and it might be lower than the rated capacity stated on the attachment serial tag. Never exceed the rated capacity of the attachment as stated on its serial tag.

Technical Specifications

APPLICATION	CAPACITY (kg)	TYNES AND FRAME LENGTH (mm)	TYNES AND FRAME HEIGHT (mm)	FRAME WIDTH (mm)	OVERALL WEIGHT (kg)
MINI	900	1270	1110	870	90
PALLET FORK	900	1270	1120	1224	110
	1200	1270	1120	1224	110
	1600	1270	1120	1224	125
	1900	1270	1120	1224	173
AGRICULTURAL	1200	1270	1120	1224	110
	1600	1270	1120	1224	125
COMBO	1600	1059	1030	1174	126
TELEHANDLERS (SPEARS)	1900	1059	1900	1841	364
TELEHANDLERS (TYNES)	1900	1110	1900	1841	364

Spare Parts

For spare parts of your Pallet Fork/Bale Spear, obtain the serial number from the aluminium serial tag located on the frame of the Pallet Fork/Bale Spear. The serial number allows Digga to trace all production and service records. Ensure all service and maintenance is performed by an authorized Digga service agent and all service records are kept. Below is a list of common replacement parts for your Pallet Fork/Bale Spear. For all other spare parts contact your nearest Digga dealer or Digga Head Office.

DESCRIPTION	QTY	PART NUMBER
FORK TYNE 1.2 T	2	FT-000001
FORK TYNE 1.6 T	2	FT-000002
FORK TYNE 1.9 T	2	FT-000003
BALE SPEAR	2 to 4	BS-000066
TYNE BAR	1	PF-000017
LOAD GUARD	1	PF-001630

Spare Parts

For further information on spare parts, please contact one of the Digga sales offices shown below, or contact your local authorised Digga dealer.

DIGGA INTERNATIONAL SALES OFFICES

ASIA PACIFIC

DIGGA HEAD OFFICE - BRISBANE

4 Octal St, Yatala QLD 4207
Phone: +61 7 3807 3330
Email: info@digga.com

DIGGA NEW SOUTH WALES

19 McKay Close,
Wetherill Park, NSW 2164
Phone: 1300 2 DIGGA
Email: nsw@digga.com

DIGGA VICTORIA

17-21 Babbage Dr,
Dandenong, VIC 3175
Phone: 1300 2 DIGGA
Email: vic@digga.com

Web: www.digga.com

NORTH AMERICA

DIGGA NORTH AMERICA

2325 Industrial Parkway SW
Dyersville IA 52040
Phone: + 1 563 875 7915
Email: infous@digga.com

Web: www.diggausa.com

EUROPE

DIGGA EUROPE

Unit 1, Nexus Park
Plenty Close
Newbury, RG14 5RL
England, United Kingdom
Phone: +44 (0) 1488 688 550
Email: infouk@digga.com

Web: www.diggaeurope.com

Pallet Fork/Bale Spear

TROUBLE	POSSIBLE CAUSE	REMEDY
Fork tynes do not slide	Lack of grease	Grease
	Pivot pins bent or damaged	Replace Pivot Pins
	Locking bolts tighten	Loosen locking bolts
Attachment falls off	Locking mechanism on the loader not engaged	Ensure that the attachment is locked on before use

Notes

Warranty Statement

All new Digga products are warranted to be free from defects in materials or workmanship, for a period of twelve (12) months from date of original purchase, which may cause failure under normal usage and service when used for the purpose intended. Digga Australia Pty Ltd warrants its equipment for a period of twelve (12) months dating from delivery to the original user.

In the event of failure (excluding cable, ground engaging parts such as sprockets, digging chain, bearings, teeth, tamping and demolition heads, blade cutting edges, pilot bits, auger teeth, auger heads), if after examination, Digga determines failure was due to defective material and/or workmanship, parts only will be repaired or replaced. Digga may request defective product or products be returned prepaid to them for inspection at their place of business or to a location specified by Digga. The warranty will be considered void if the product or any part of the product is modified or repaired in any way not expressly authorized by Digga, or if closed components are disassembled prior to return. Closed components include, but are not limited to: gearboxes, hydraulic pumps, motors, cylinders and actuators. Any goods returned to Digga by the customer under warranty or repair must have all freight charges prepaid for on the customers account.

Any claims under this warranty must be made within fifteen (15) days after the Buyer learns of the facts upon which such claim is based. All claims not made in writing and received by Digga outside the time period specified above shall be deemed waived.

Damage or failure through operator abuse or negligence voids warranty.

This warranty is in lieu of all other warranties expressed or implied and there are no warranties of merchantability or of fitness for a particular purpose. In no event shall Digga be liable for consequential or special damage. Digga's liability for any and all losses and damages to buyer, resulting from any cause whatsoever, including Digga's negligence, irrespective of whether such defects are discoverable or latent, shall in no event exceed the purchase price of the particular products with respect to which losses or damages are claimed, or, at the election of Digga, the repair or replacement of defective or damaged products.

