

GDT

USER MANUAL

en 375502 AB - 1026
Translation of the original manual

Dear user,

Thank you for choosing MX products. We hope you are fully satisfied with the implement you have purchased.

Take a few minutes to read this manual to obtain the best results from your MX implement, prolong its service life and use it safely.

Your implement user manual is an important document. Keep it in a safe place, along with the fitting instructions supplied by your dealer, so they can be consulted when necessary. These documents should be made available to any other users, and provided to any new owner if you sell your MX implement.

The illustrations and technical data provided in this document might not exactly correspond to your loader; however, the conditions of use remain the same.

 **WARNING:** The MX implement should be handed over to the user by the dealer.

The demonstration of the equipment to be delivered should include:

— Safety rules.

— Hitching and unhitching the work implement.

— Full use of the controls.

 **WARNING:** If any of these requirements are omitted, please contact your dealer immediately.

The original French manuals are available on the MX website.

MX is a trademark of M-extend France SAS, SIREN 639 200 260, Rennes TCR, 19 Rue de Rennes, BP 83 221 - 35 690 Acigné, France.

CAUTION: The operator must read this manual before using the loader for the first time.







— Any use that is not intended by the manufacturer is considered improper use and therefore constitutes misuse. The manufacturer cannot be held liable for any resulting damage.

— The safety information given in this manual does not replace safety codes, insurance requirements, local, state, or federal laws.

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1. Safety rules

— Before handing over to the driver, the installer must check that there is no possibility of interference between the installed implement and other parts of the machine (tyres, mudguards, etc.), as a result of the implement reaching its maximum travel while the boom of the machine positions the implement closest in to the carrier vehicle. If any combination of implement and boom position could result in interference, the installer must notify the driver and provide instructions on how to prevent such interference. It is generally necessary to work with the boom extended by at least 0.5 m.

— Fit the tractor with a counterweight at the rear to balance the extra weight at the front.

— Never stand or walk under the load.

— Keep people away from the implement working area.

— Take extra care when anyone passes close to protruding components.

— Any work on the implement must be carried out by the driver, who should leave their seat and prevent any other operations from being carried out while working on the implement.

— Refer to the loader or handler user manual for hitching and unhitching the implement.

— The implement should be cleaned after each use. Grease the implement every 10 working hours and after each wash.

— PPE (Personal Protective Equipment) must be worn (see "PPE table").

— Seat belts must be worn by the driver and passengers.

— The operator must check that the loader is correctly hitched and that the implement is correctly locked in place before each use (test by pressing hard to the ground).

— Only control the loader from the cab. Ensure you remain in full control until all movement has finished.

— The loader or handler controls must be locked in place when driving on public roads (see the controls user manual).

— When approaching a junction, release the controls then raise the loader to at least 2 m above the ground to avoid endangering other road users. After passing the junction, return the loader or handler to its initial position and lock the controls in place again.

— Do not mask the tractor's side lights and indicators when driving on public roads.

— Do not leave the cab without stopping all control movements (control lever locked).

— Never leave the tractor or telescopic handler with the implement raised. After using the implement, park the tractor or handler with the implement on the ground.

— All persons must be kept away from the area in which the loader is moving while it is in operation. When lifting operations require the presence of a person near to the load, the MX loader must be fitted with a safety device (see the "SAFETY WHEN LIFTING AND DUMPING" chapter for your loader). The same applies to a handler.

— The operator should ensure that the loader-tractor unit and the implement-loader unit are compatible before use. Advice can be obtained from the current MX price list, available from your dealer.

— Before using a handler, the operator must check that the implement/handler combination is approved.

— Operators should only use implements designed and recommended by the manufacturer for the job at hand.

— Never lift the implement if it is obstructed or constrained.

— The maximum permissible working speed is 5 kph.

— **Using the loader or handler to carry or lift persons is prohibited.**

— Restrict all movements with the load lifted. The tractor or handler may tip over.

— The maximum front axle loading, as specified by the tractor or handler manufacturer, must not be exceeded.

— In order to limit stresses on the front axle and steering ram, and to limit tyre wear, move forwards or backwards when steering.

— The maximum load on the front tyres specified by the tyre manufacturer must not be exceeded.

— Check tyre pressure regularly.

— Periodically check that the safety pins and bolts are in place. Do not replace them with any other items such as nails, wire, etc.

— The tractor or handler should, at the very least, be fitted with a Roll-Over Protective Structure (ROPS), which must be in the active position when using the implement.

— When using an implement with an MX loader, the tractor must be fitted with a Falling Object Protective Structure (FOPS). If this is not the case, restrictions on the use of the MX loader apply (see the "LOADER USE LIMITS" chapter). Caution: the protective fitting must be in the active position while working.

— When using the implement with a handler, the handler must be fitted with a Falling Object Protective Structure (FOPS).

— Watch out for overhead electricity and telephone lines, guttering, framework, etc. when moving with the loader or handler in raised position.

— In compliance with standard EN 12525 + A2 2010, the controls for operating the loader and implements must be "sustained action", except for the floating position for lifting and/or dumping, which can be held in place by a notching system. The same applies when using a handler.

— Any fault diagnostics and/or removal of parts must be carried out by a professional, who should start by ensuring that any work is carried out safely with minimal risk to themselves and their environment, especially if working on a raised implement.

— For all operations on the machine, the risks of crushing or pinching must be managed, especially with moving parts.

— For all operations at height using the machine, equipment must be stable and secured. Stop the tractor engine if the loader is hitched to the tractor. In the case of a handler, stop the engine.

— Keep the tractor-loader unit clean to avoid the risk of fire. Check that airborne particles (straw, grass, wood shavings, etc.) do not accumulate in areas which reach high temperatures. Inspect and clean areas where various materials can accumulate, especially around the engine and the exhaust area. The same applies when using a handler.

— Ensure that the tractor or handler is safely stopped after use.

— Before activating the decompression function, ensure that the implement is not loaded and, depending on the model, that its accessories (grab, rotor, etc.) are not active.

— Any work carried out on the implement must be done with the implement unloaded and, depending on the model, with its accessories (grab, rotor, etc.) at rest.

— When handling bales (silage buckets with grab), check that the bale is correctly held before lifting the implement.

— The machine should be operated several times without a load before being used at the work site.

— Shearing and crushing hazard areas are identified on the machine by means of pictograms. Do not work in these areas while the machine and vehicle are in operation.

— Switch off the engine, remove the ignition key and wait until all moving parts have come to a complete stop before getting out of the tractor or handler, or before working on the machine. Due to inertia, some moving parts continue to move after being stopped (up to 5 min). It is therefore essential to wait until all parts have come to a complete stop before leaving the vehicle.

— The machine must only be used by ONE person at a time.

— Never insert foreign objects into the machine when there are rotating parts. Always ensure that all moving parts are stopped and secured against unintended start-up before carrying out any work.

— Under no circumstances may the machine be used to hold or prop up other equipment.

1.1. Safety warning pictogram

This safety pictogram is used throughout the manual to draw attention to the risk of material damage, injury or death. If this symbol is shown, read the warning message carefully. You must be familiar with the instructions and safety regulations before installing or using the equipment.

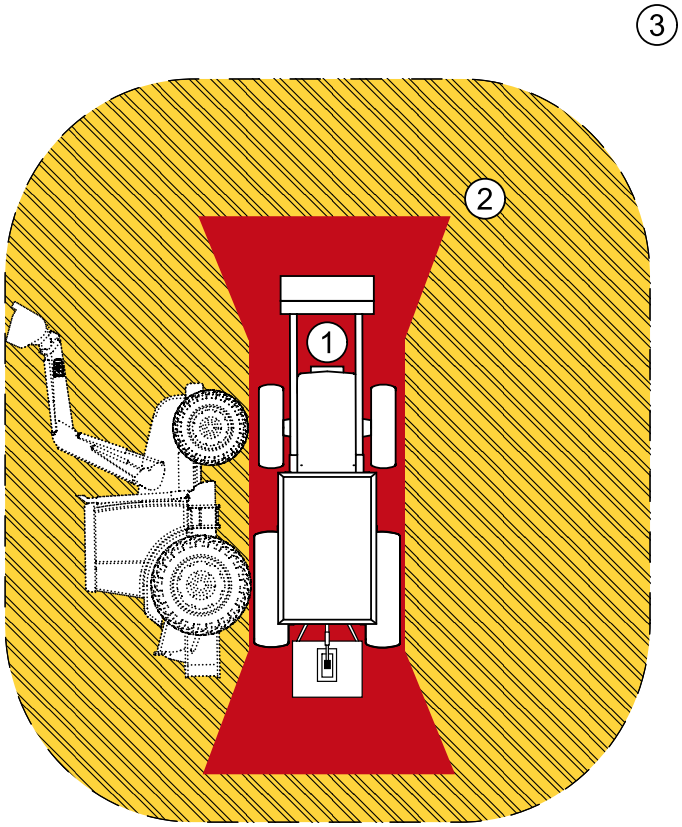
Pictogram	Term	Description
	DANGER	Indicates an imminently hazardous situation which, if not avoided, could result in death or serious injury.
	WARNING	Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.
	CAUTION	Indicates a potentially hazardous situation which, if not avoided, could result in minor or moderate injury.
	IMPORTANT	Indicates a situation that could result in damage to equipment or property if instructions are not followed correctly.
	NOTE	Provides useful information.

1.2. PPE Table (Personal Protective Equipment)

Symbol	Meaning	Example of risk
	Protective gloves must be worn.	Cuts, trapped fingers, when unlocking the implement on the loader.
	Hearing protection must be worn.	Bucket shaking in a tractor without cab.
	Eye protection must be worn.	Splashes during high-pressure washing.
	Safety helmets must be worn.	Impacts to the head from the loader during tractor maintenance.
	Protective clothing must be worn.	Splashes during high-pressure washing.
	Safety footwear must be worn.	Crushing when positioning parking stands.

1.2.1. Hazardous areas around the tractor and front loader

Using a front loader creates hazardous areas around the equipment, posing risks both to the operator and to people nearby. Clear identification of these areas is essential to ensure safety during handling, movement or ground-level operations.



(1) Critical hazardous area (red) / (2) Peripheral hazardous area (striped orange) / (3) Working area

DANGER: Keep hazardous areas clear and prohibit access to untrained persons. Constant vigilance is required.

Area	Description	Associated risks
(1) Critical hazardous area (red)	Immediate area around and under the tractor/loader unit.	Risk of serious injury or death in the event of the machine tipping, risk of mechanical crushing, reduced visibility for the operator, risk of entrapment in moving parts.
(2) Peripheral hazardous area (striped orange)	Area corresponding to the potential tipover area of the tractor fitted with a loader.	Risk of serious injury or death in the event of the machine tipping, risk of load falling on anyone within the area, reduced operator visibility.
(3) Working area (in relation to the type and layout of the farm)	Area encompassing all possible movements of the tractor and front loader during their operation.	Risk of collision, risk of crushing, limited operator field of view.

1.3. Loader usage limits on a tractor without a cab or without a 4-post rollcage

DANGER: If the tractor is not fitted with a structure protecting against falling loads (cab or 4-post rollcage), the driver is exposed to constant risk when handling loads.

For safe work, the following safety precautions must be observed:

— Use the implement designed for the work to be carried out.

— Adjust the indicator rod in accordance with the implement being used.

— Ensure the stability and security of the load in the implement.

— The implement's maximum load level must not exceed the lowest side when handling bulk materials, and must not exceed the height of the backplate when handling unit loads [see Fig. 1].

— Move the tractor-loader unit smoothly.

— Travel with the load at ground level and at moderate speed.

— During lifting operations and when moving, ensure that you keep the load in sight, from the moment the implement pivot point (A) passes above the horizontal line of the loader pivot point (B) [see Fig. 2]. If necessary, correct the implement's position so that the load is never directed towards the driver [see Fig. 3].

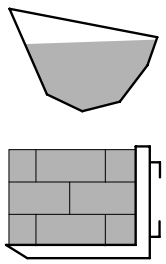


Fig. 1

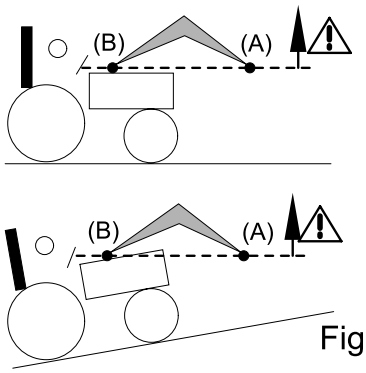


Fig. 2

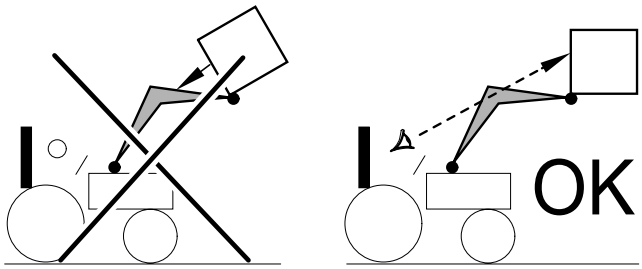


Fig. 3

DANGER: If the load is not properly secured, the operator is exposed to the risk of the load falling when the implement pivot point (A) passes above the horizontal line of the loader pivot point (B) [see Fig. 2].

DANGER: Do not crowd the loader when the implement pivot point (A) exceeds the horizontal line of the loader pivot point (B) [see Fig. 2].

1.4. Non-compliance with safety and use rules

— MX products are designed to be used at the maximum hydraulic pressure indicated by the manufacturer in the tractor's specifications. Use of higher pressure will result in additional stress and will invalidate the MX equipment warranty.

— Never modify the hose connections.

— Breaking the seals voids MX's liability for all items supplied.

— Any MX loader assembly that does not comply with the recommendations set out in the MX price list in force on the date of purchase will void the MX warranty on all items supplied.

— Any modification to any item supplied by MX (implements, loader, frame, etc.), or installation or use of an implement or component not recommended by MX on the MX loader, will void the MX warranty on all items supplied.

— Only use original MX spare parts. Do not carry out any modifications yourself or have anyone else do so on your MX loader and its implements (mechanical, electrical, hydraulic or pneumatic specifications) without obtaining MX's prior written approval. Failure to comply with these rules may make your MX loader hazardous. In the event of damage or injury, MX may not be held liable in any way.

— Warranty cover will cease immediately in the event of failure to observe the standards and instructions for MX loader use and maintenance as stipulated in the user manual. MX may not be held liable for any accident resulting from actions contrary to these restrictions.

2. Rules of use

— Each implement has been designed for a specific use and has its own strength limitations.

— Land clearing and stump removal are to be avoided. This work must be done with specialized machinery and is not suitable for the agricultural loader.

— Use the tractor's driving power to penetrate into the material to be moved rather than speed, which subjects the loader and tractor to high stresses.

— Do not force the hydraulic components to work with excessively heavy loads. The same applies when the rams are fully extended. Release the control valve control levers.

— Always work with a centred load.

— Belt silage buckets (GDTs) are designed exclusively for professional use, in accordance with best agricultural practices.

— GDTs are designed and adapted to be hitched to the implement carrier of a loader or telescopic handler in order to load (depending on option) and distribute silage.

— GDTs may only be used, maintained, and repaired by users who are properly familiar with the machine and who have been informed of the possible risks.

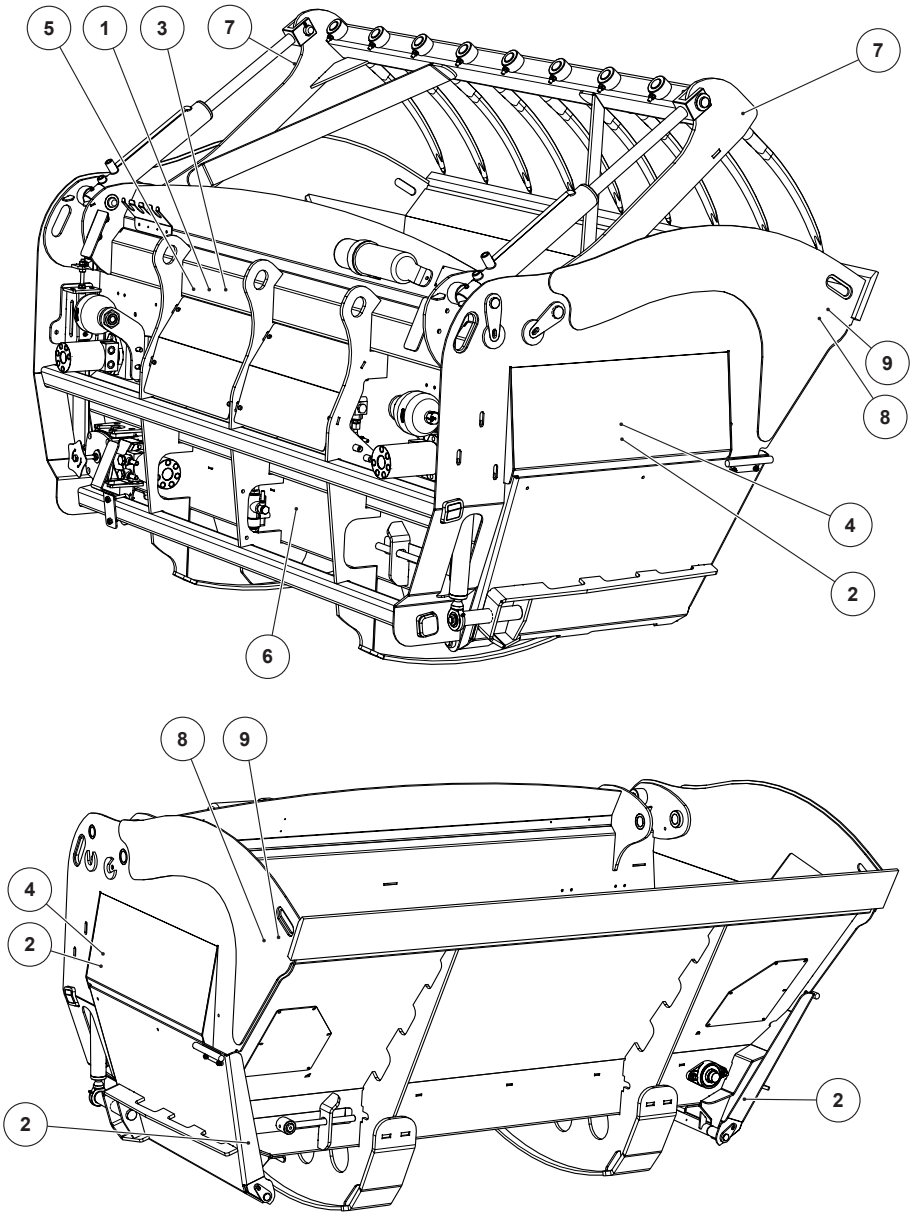
— Intended use requires strict compliance with the instructions in the operating manual as well as the rules covering operation, maintenance, and repair, as set out by the manufacturer.

3. Safety stickers

Safety stickers are affixed to implements. Ensure that these stickers are clean and legible; replace them if they become damaged.

When changing a sticker, clean the surface used for the sticker with isopropyl alcohol and affix the sticker using a special tool.

DANGER: Failure to follow these rules may result in serious injury or death.

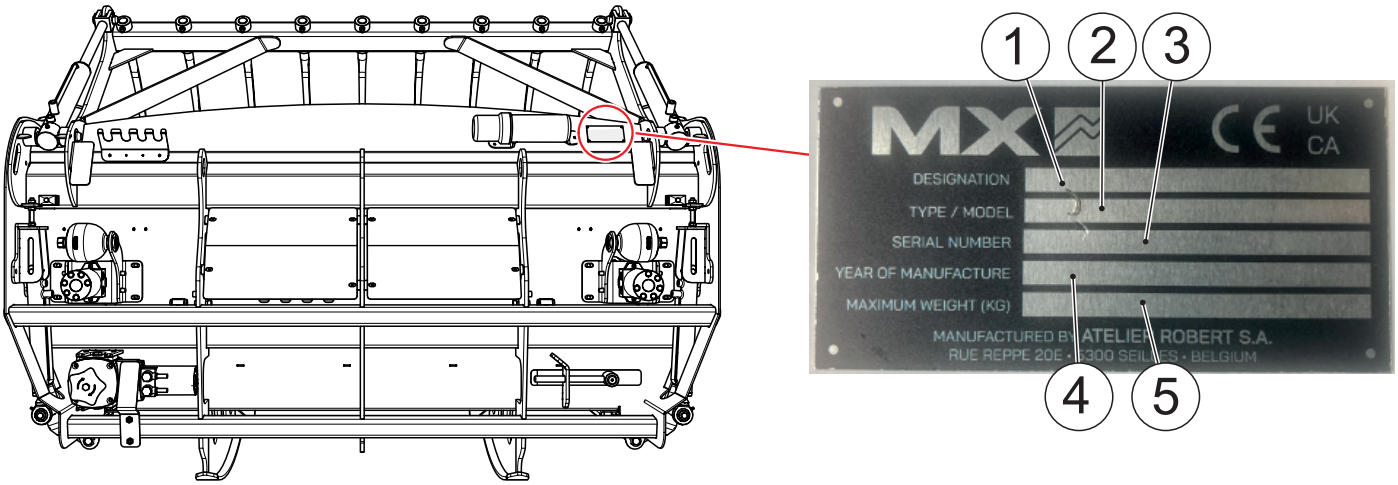


Symbol	Meaning
	(1) Wait for all moving parts to come to a complete stop before working on the equipment.
	(2) Never work in areas presenting a risk of crushing while parts are still able to move.
	(3) Stop the engine and remove the ignition key before performing any maintenance.
	(4) Never open while the machine is running.
	(5) Read the safety rules and operating instructions in the user manual before using the product.
	(6) Keep clear of the hitching area. Risk of crushing between machine and carrier vehicle.
	(7) Keep clear of the machine when in motion. Risk of crushing between a moving part and a fixed part.

Symbol	Meaning
	(8) Danger in the working area. Keep clear of the machine.
	(9) Never enter the machine's body when the vehicle's engine is running.
	(10) Risk of contact with the tyres. Do not fully dump the implement while lowering the telescopic arm.
	(11) Risk of contact with the loader dumping rams. Do not fully crowd the implement with the silage system open.

4. Identification plate

Identification data must be provided to your dealer for any request for spare parts or service support. They are located as shown below.



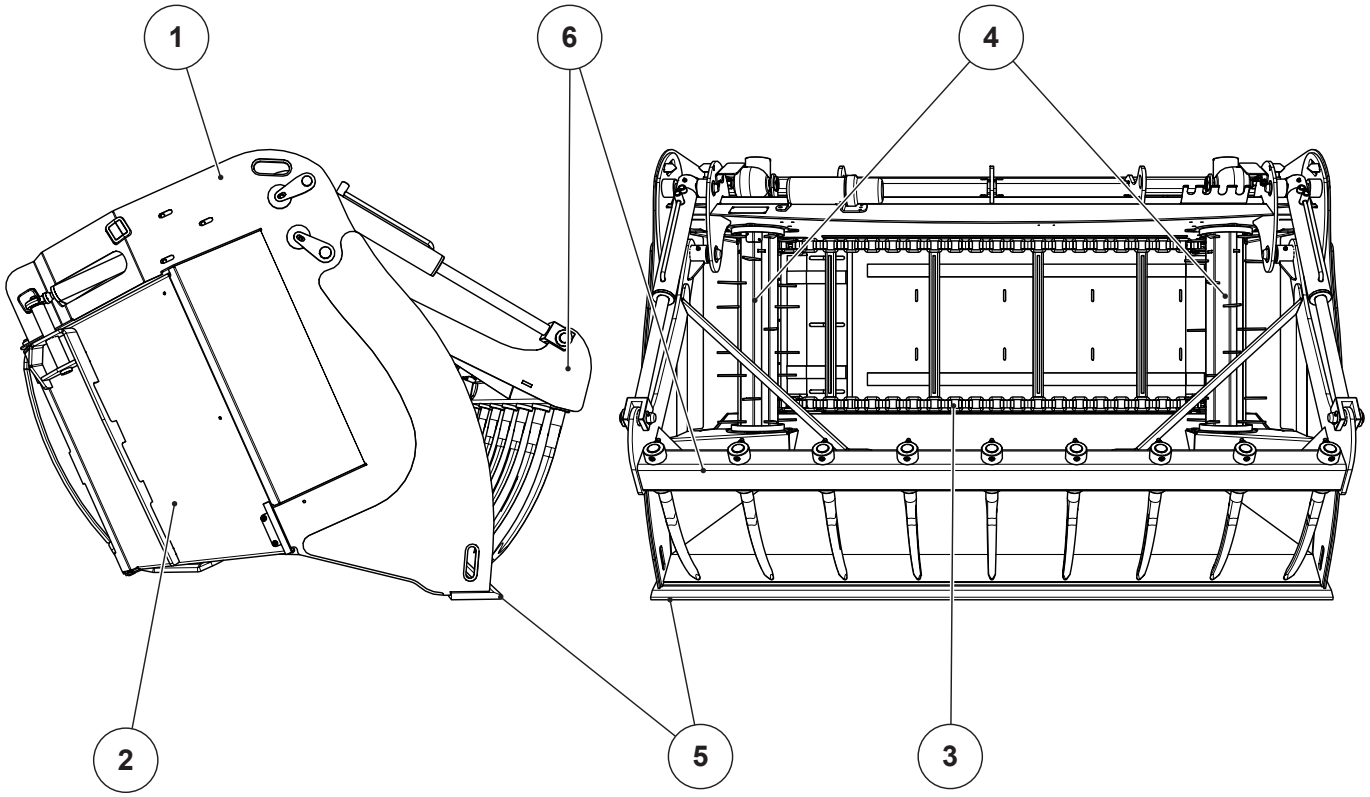
Marking	Description
(1)	Designation
(2)	Type/model
(3)	Serial number
(4)	Year of manufacture
(5)	Maximum weight

The serial number (3) comprises:

— a number representing the machine range: 7 for GDT buckets.

— a number indicating the machine's production number.

5. Description



Marking	Description
(1)	Body
(2)	Distribution door (number and side depending on option)
(3)	Belt
(4)	Separator (number and side depending on option)
(5)	Loading blade
(6)	Silage grab unit (depending on option)

6. Hitching and unhitching the implement

WARNING: This operation must be carried out by the driver, who must leave the cab and not perform any manoeuvres while working on the loader.

Implements are designed for front loaders and telescopic handlers. Please refer to the relevant price list to identify suitable implements for loaders or telescopic handlers.

CAUTION: Never adapt or modify a hitch without prior approval from MX.

CAUTION: The GDT must always be hitched or unhitched with the grab or rotor lowered.

The conveyor GDT is attached to the loader or telescopic handler using a bolted hitch with a minimum of 8 flanges (D20 mm).



— Always ensure that the implement carrier frame is compatible with the GDT bucket.

— Refer to the instructions for hitching and unhitching the implement in your loader or telescopic handler user manual.

— Ensure that the hitch shoes are correctly centred on the GDT when fitting them using flanges.

Mechanically connect the GDT to the loader or telescopic handler:

— For mechanical locking, refer to the MX loader operator's manual or the telescopic handler's hitching system documentation.

— Stop the loader or telescopic handler and reduce the pressure in the hydraulic circuit.

— Connect the GDT and the loader or telescopic handler hydraulically and electrically (depending on configuration).

Note: For unhitching, position the GDT bucket on a flat, clean, and stable surface.

CAUTION: Never adapt or modify a hitch without prior approval from MX.

Ensure that the implement is correctly locked in place before use. Check the following:

— The hoses are properly connected and there are no leaks.

— The implement is working correctly (crowding/ dumping/hydraulic functions).

— The implement is correctly lubricated.



CAUTION: Always check that the implement is locked in place by applying pressure with the front of the implement on the ground.

7. Use

7.1. Commissioning

7.1.1. Electrical connection

GDT buckets are fitted with a 4th function solenoid valve (1) as standard, making them compatible with all machines, regardless of their configuration.

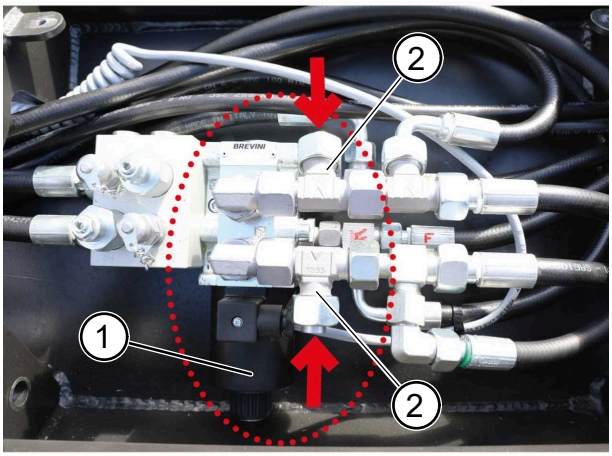
Loader or telescopic handler with 3rd function only

— Connect the 4th function electrical plug to the loader or telescopic handler to supply power to the 4th function solenoid valve on the GDT bucket.

Loader or telescopic handler with 3rd and 4th functions

— Connect the 4th function hydraulic plug to the loader or handler using the hoses + couplings kit supplied as standard.

— Connect the hose kit directly to the pre-fitted T-connectors (2) at the solenoid valve outlet for the GDT bucket's 4th function.



4th function solenoid valve on implement and original disposition T-connector for loader / telescopic handler 4th function.



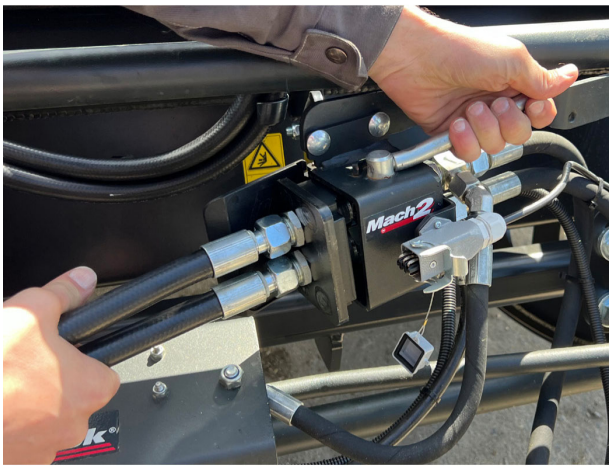
Original electrical disposition for 4th function on GDT bucket. Loader- or telescopic handler original disposition not supplied.



4th function original electrical disposition on handler; to be adapted by the customer.

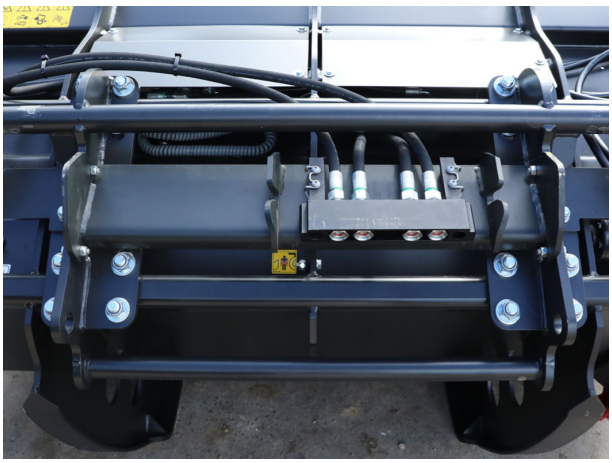
7.1.2. MACH 2 coupling

Option available for 3rd and 4th functions.



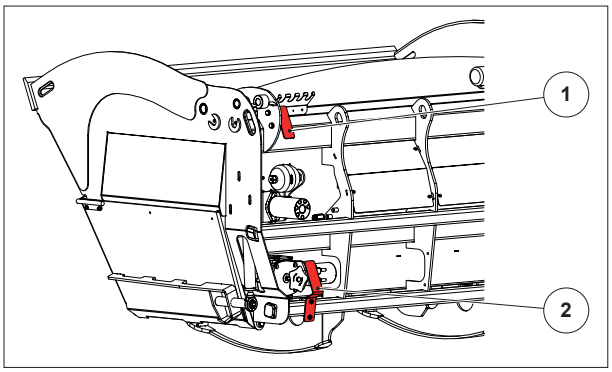
7.1.3. SPEED-LINK coupling

Option available exclusively for MX loaders with MX or Euro hitching.



7.2. Filling the GDT bucket

The indicators (1) and (2) allow the tilt angle of the GDT bucket to be monitored from the cab. When filling the bucket, the indicators must be parallel to the ground: this ensures the correct attitude of the implement.



7.2.1. Silage unloading rotor control

The silage unloading rotor (option) can be operated in both directions:

— Direction 1, downwards: at the start of lowering, the forage is discharged to the base of the bucket; no silage is projected onto the silo sheet.

— Direction 2, upwards: for the rest of lowering, the forage is projected towards the rear of the bucket. This ensures optimal filling and prevents forage being sprayed onto the machine.



(1) Downward rotation (top of silo).

(2) Upward rotation (halfway down).

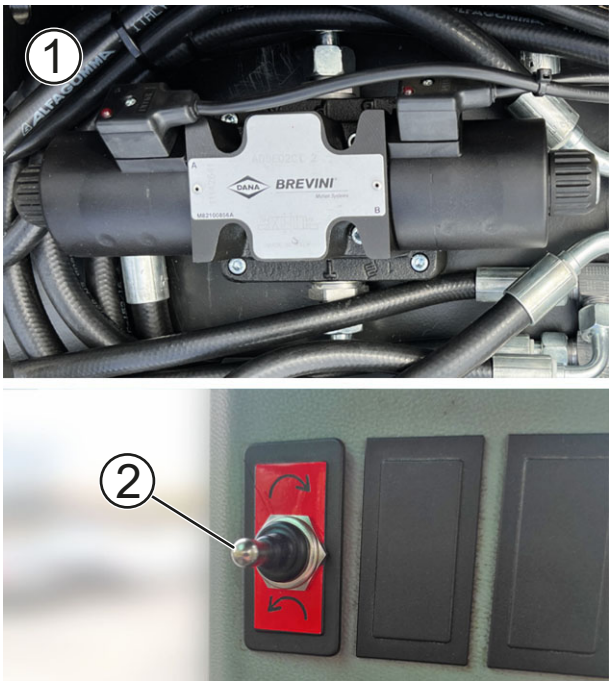
The rotor's direction of rotation is controlled by a 2-coil solenoid valve (1). The 3-position switch (2) is used to select the direction of rotation:

— Switch up: Rotor rotates upwards

— Switch in neutral: No rotation

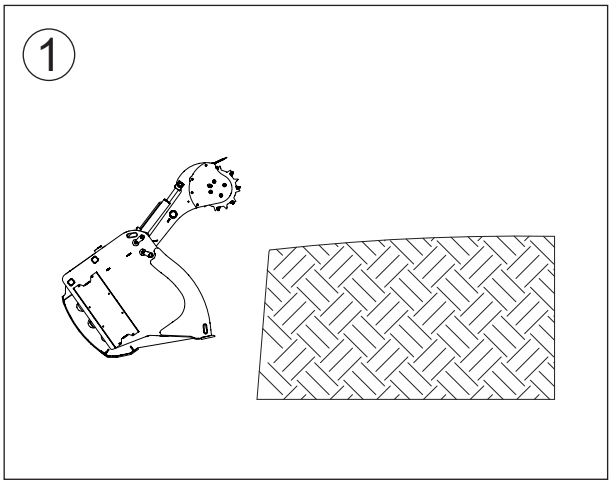
— Switch down: Rotor rotates downwards

Note: The electrical supply must be taken from the tractor's switched 12 V system (capable of supplying 10 A). The maximum fuse rating for protecting the wiring loom is 10A.

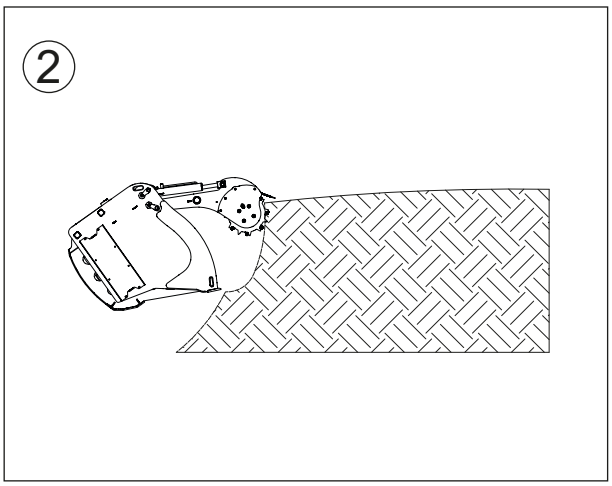


7.2.2. Filling with silage unloading rotor

— (1) : Move the bucket towards the silage face.



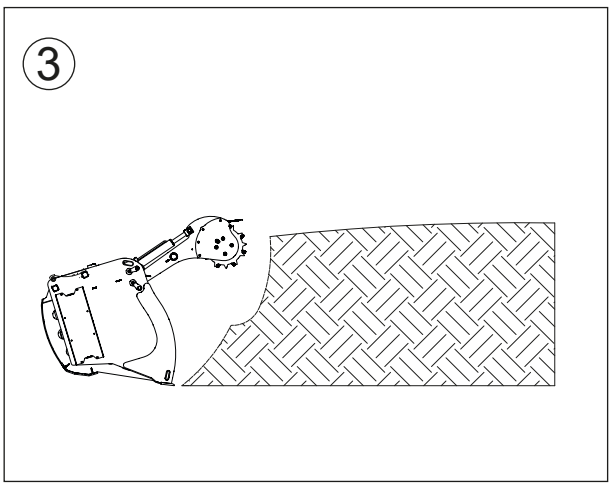
— (2) : Tilt the bucket so that the articulated rotor shaves off the upper part of the silage face, filling the bucket.



— (3) : Move the bucket towards the silage face to collect the silage on the ground.

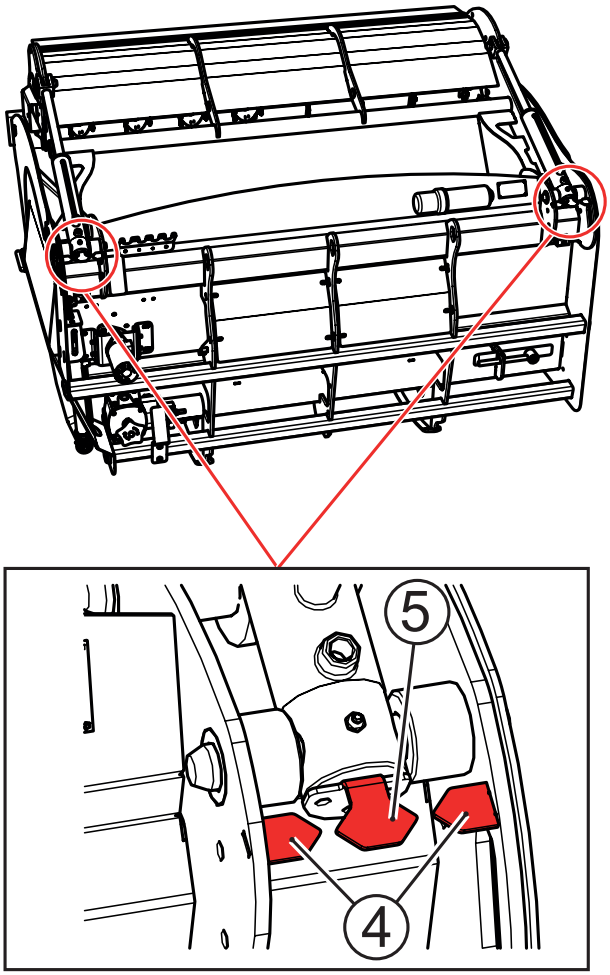
— Shave off the lower part with the rotor, then crowd.

— Repeat these steps as required.



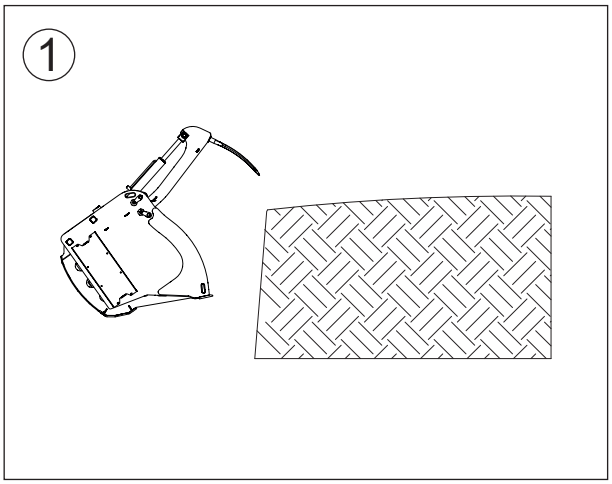
Note: Do not use the loader or telescopic handler crowding or dumping functions during the filling phase.

Indicators (4) and (5) show the rotor's position. When the indicators are aligned, the rotor is in the closed position.

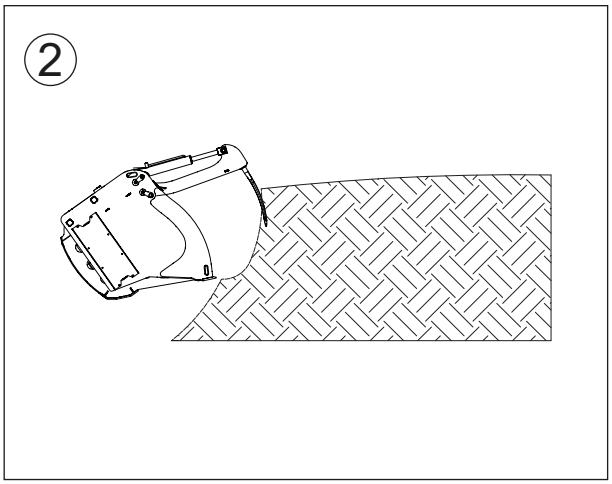


7.2.3. Grab filling

— (1) : Move the bucket towards the silage face.



— (2) : Tilt the bucket, then cut into the silage face with the jaw.

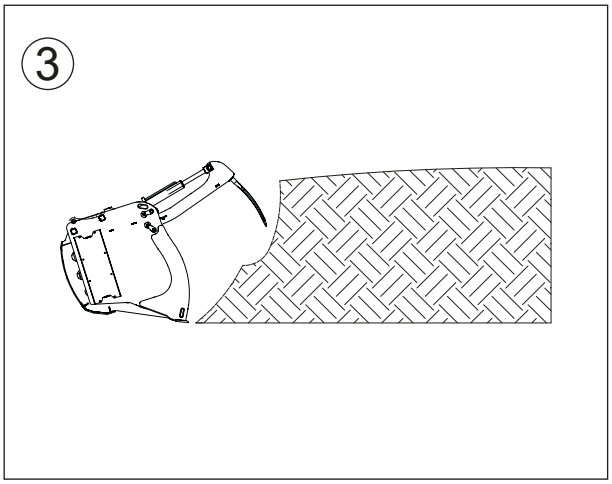


— (3) : Move the bucket towards the silage face to collect the silage on the ground.

— Close the grab to cut into the lower part, then crowd.

— Repeat these steps as required.

Note: Do not use the loader or telescopic handler crowding or dumping functions during the filling phase.

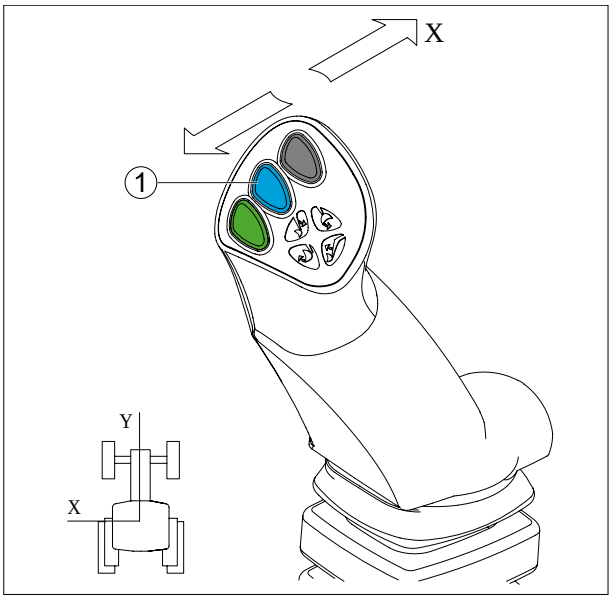


7.3. Distribution

WARNING: The length of the strands must not exceed 8 cm, otherwise the bucket will malfunction.

Note: If the implement is controlled using the tractor or telescopic handler control valves, please refer to the tractor or telescopic handler user manual.

When using an MX loader, activate the 4th function by pressing the button (1) and moving the monolever to the left or right (X axis).



Start the distribution system (belt, separator, door) by following the steps below.

To start distribution:

— Move the monolever to the left to distribute from the left-hand side.

— Move the monolever to the right to distribute from the right-hand side.

To stop distribution:

— Left-hand side distribution: move the monolever to the right for 2-3 seconds.

— Right-hand side distribution: move the monolever to the left for 2-3 seconds.

To change distribution side:

— Left-hand side to right-hand side: move the monolever to the right until the right-hand side door opens.

— Right-hand side to left-hand side: move the monolever to the left until the left-hand side door opens.

A 15 cm offset rubber flap kit is supplied as standard, but not fitted.

— The kit increases the offset even further to accommodate wide tyres.

— The rubber flap prevents damage in the event of contact with the feed barrier.



7.4. Machine blockage

If the machine becomes blocked, proceed as follows:

— Reverse the belt rotation direction.

— If the blockage persists, stop the belt and the carrier.

— Wait until all moving parts have stopped.

— Remove the blockage manually using a suitable tool.

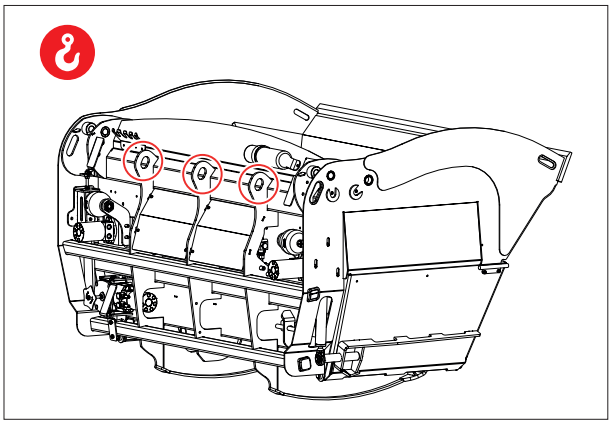
DANGER: In the event of a blockage, the following steps must be followed to prevent serious injury or death.

CAUTION: Users must always wear the appropriate personal protective equipment (PPE) when removing a blockage.

8. Handling

GDT buckets are fitted with couplers for lifting operations. These are clearly marked with red stickers.

All handling must be done using lifting and wedging equipment and accessories appropriate to the load to be moved.

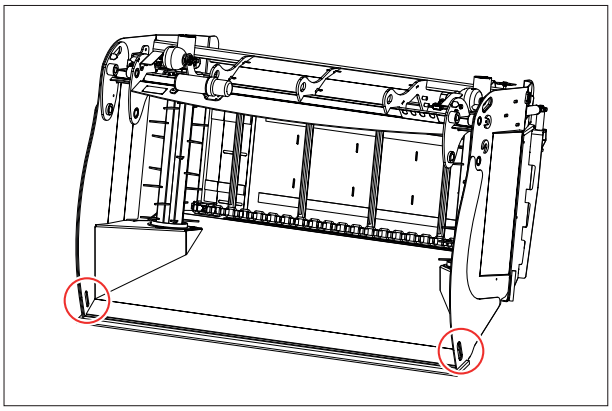


For the approximate weight of the unit, please refer to the Technical Specifications chapter. The lifting points must be used simultaneously for safety reasons.

CAUTION: During handling, sharp parts may be encountered. Wear suitable personal protective equipment (gloves, goggles, safety shoes) when carrying out parts handling operations.

9. Transport

When transporting the machine on a trailer, make sure that the machine is adequately secured in place. The attachment points are shown opposite.



10. Maintenance

WARNING: Drain the tractor's hydraulic circuit regularly and change the filters in accordance with the manufacturer's recommendation.

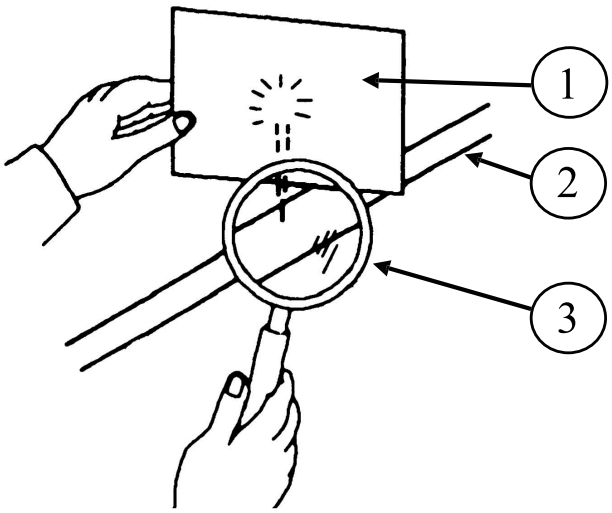
Contaminated oil no longer lubricates and can cause damage to all hydraulic components (pumps, control valves, rams, etc.); even clear-looking oil may be worn out.

- Maintenance operations must be performed by competent people, authorised by the dealer. If not, these operations come under the sole responsibility of the person carrying out the work.
- It is mandatory to wear PPE (Personal Protective Equipment) for all maintenance operations. For more information, please refer to the PPE table, see Safety rules.
- Switch off the tractor engine before carrying out any maintenance work on the loader and/or implements.
- For loader maintenance operations, never work on mechanical parts under stress, a pressurised hydraulic circuit or part, or an electrical circuit that is switched on.
- For tractor maintenance operations, it is strongly recommended that you unhitch the loader. Unhitching is a simple, quick operation that provides the best guarantees of safety and efficiency for tractor maintenance.
- For any work with the loader lifted, the loader must be locked in position:
  - Unlocking the MACH System for a loader with MACH System.
  - Closing the lifting rams supply valve for a loader without MACH System.

  For more information, please refer to Unhitching the loader.

DANGER: Oil escaping under pressure can have sufficient force to penetrate the skin and cause serious injury. Before disconnecting the hoses, ensure that you have released all the pressure. Before pressurising the system, check that all fittings are tight and that the hoses and hydraulic circuit are not damaged.

DANGER: Oil escaping from a very small hole can be almost invisible. Use a piece of cardboard or wood, rather than your hands, to detect suspected leaks. If you are injured by a pressurised leak, seek immediate medical attention. An infection or serious reaction may develop if appropriate medical treatment is not immediately provided.



(1) Cardboard / (2) Hydraulic circuit / (3) Magnifying glass

Every month, or more frequently with heavy use, check:

- The condition of the loader and/or implement pivot points. As required, replace wear bushes and/or the pins.
- Wear bushes must be replaced if they are less than 1 mm thick.

— The tractor's hydraulic oil level and hydraulic circuit sealing. If you find any internal or external leaks on hydraulic components (rams, pipes, connectors, Mach, couplings, etc.), contact your dealer.

— Hose condition: replace them if any cracks or oil seepages appear.

— Correct operation of the monolever (cables, play, locking, etc.).

— Electric cabling condition. Contact your dealer if any connectors or cables become damaged.

— Mechanical condition (any cracks, warping, end stop matting, clearance, parking stands, etc.). Contact your dealer if there is any abnormal wear.

IMPORTANT: All fasteners/screws needing to be tightened must be inspected, replaced, if necessary, cleaned and refastened to the locking compound (excluding brackets). Tighten the screws to the tightening torque recommended in the table below (Do not use an air gun to screw or tighten the screw/fasteners on the tractor).

Check the loader and implement tightness after 10 and 50 hours work, then every 100 hours or every time the tractor engine is drained. Contact your dealer if there is any loosening.

Tightening torque

Class of bolt	stud marking (ISO 898)	Thread											
		M5	M6	M7	M10	M12	M14	M16	M18	M20	M22	M24	M27
8.8	◯	5.2	9	21.6	43	73	117	180	259	363	495	625	915
10.9	□	7.6	13.2	31.8	63	108	172	264	369	517	704*	890	1304
12.9	△	8.9	15.4	37.2	73	126	201	309	432	605	824	1041	1526

For cast steel (Nm) ±15%

* Unless otherwise specified

10.1. Maintenance

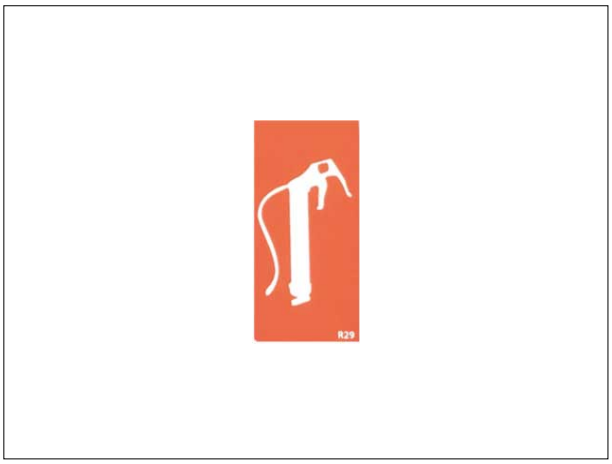
This maintenance guide presumes an average use of 3 buckets per day. For more intensive use, increase the maintenance frequency.

	Daily	Weekly	Monthly	Annually
Hydraulic circuit leak	X			
Check nut tightness	X			
Grease the arm ram		X		
Grease the belt		X		
Grease the separators		X		
Grease the cutter		X		
Grease the door ram		X		
Grease the opposite distribution door ram		X		
Belt tension	Once a day for the first few weeks, then once a week			
Belt rotation (1/2 turn)				X
Check the belt angle gear grease				X (every 200 hours)
Check the cutter blades				X
Check the grease levels in the reducing gears			X	
Full machine cleaning				X

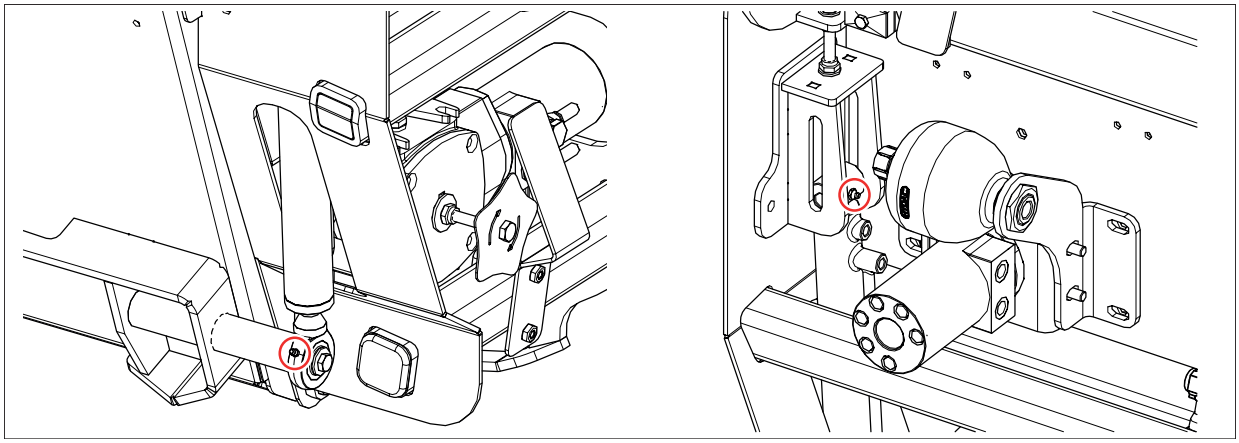
IMPORTANT: After any operation, refit all the front guards and protective covers before starting the unit.

10.2. Lubricating points:

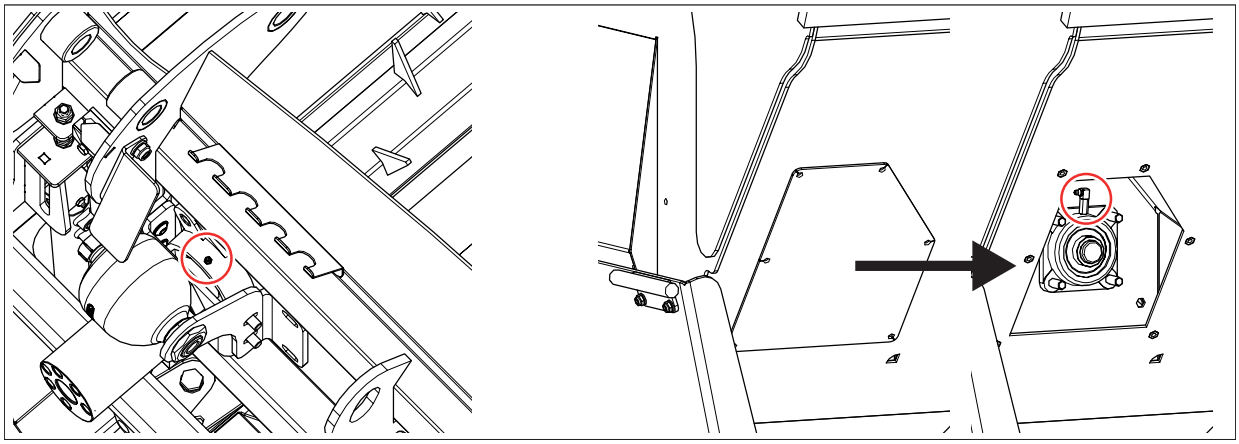
The machine has shafts, bearings, coupling balls, and pivot points. On each moving part, there is, therefore, a lubricating point that must be checked regularly. Lubricating points are identified by the symbol shown opposite.



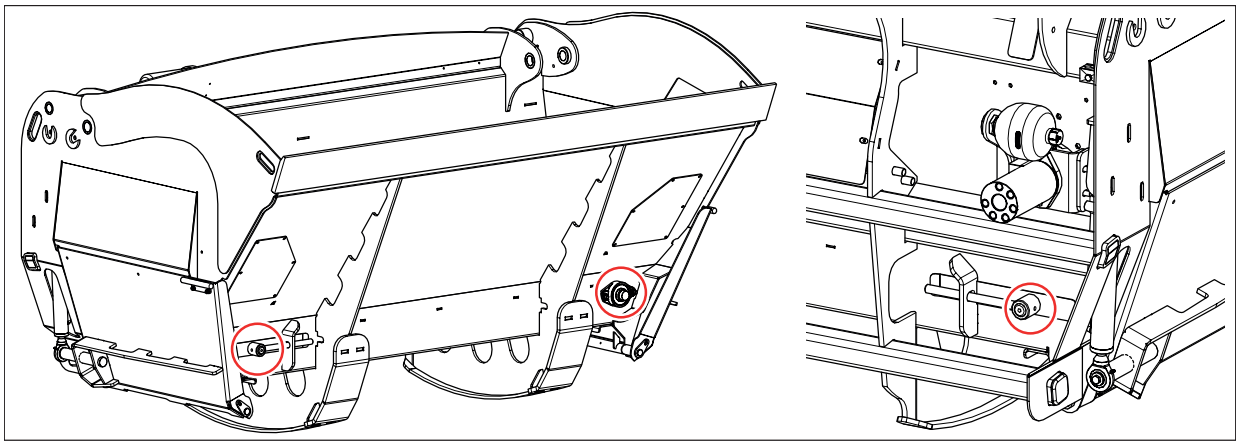
Door opening and closing ram (for each door).



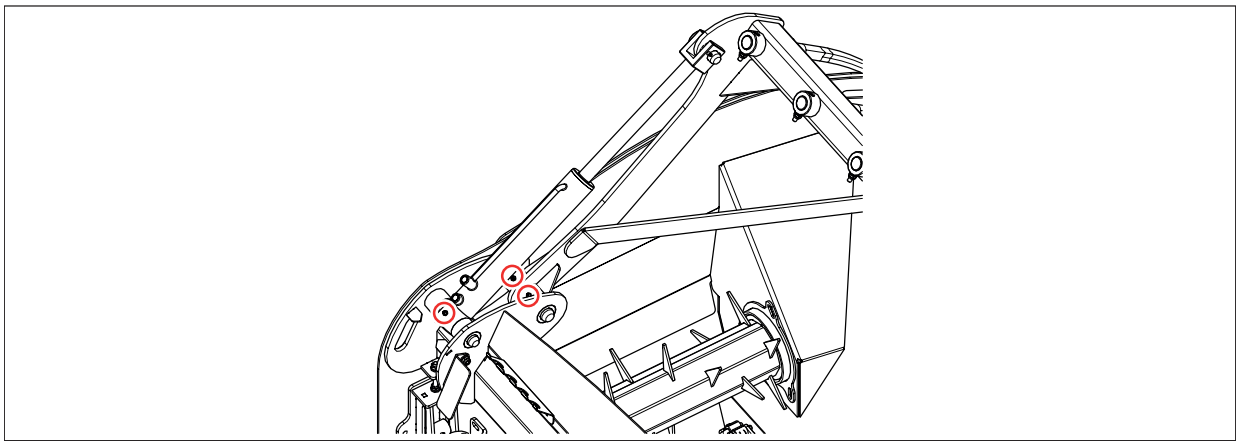
Separator (for each separator).



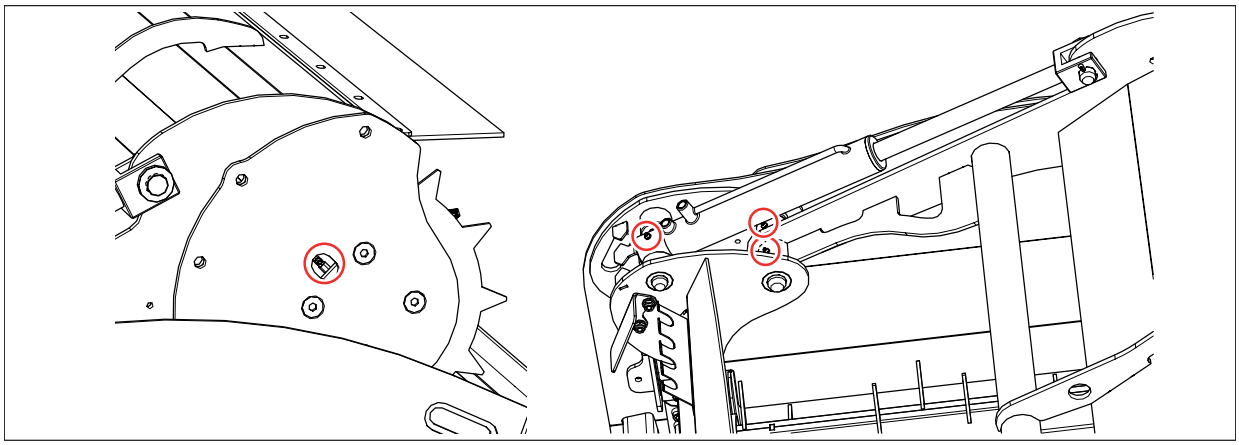
Belt



Grab (on each side).



Silage unloading rotor (on each side).



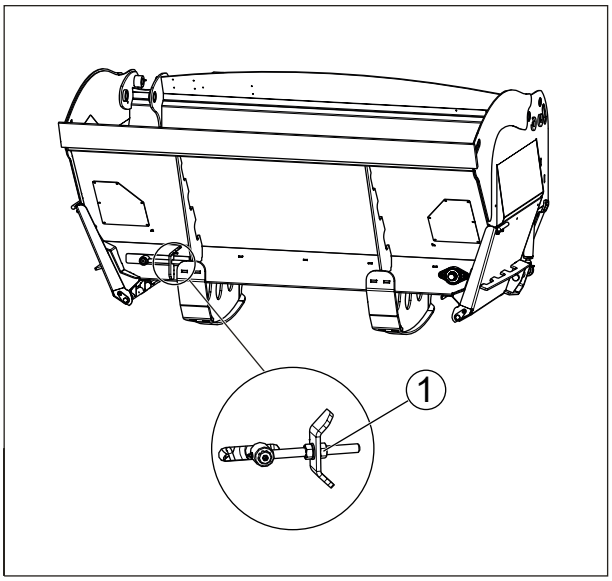
10.3. Belt chain tension

The belt chains will continually slacken with use. Belt chain tension should, therefore, be adjusted regularly, to keep the bucket in proper working order.

— To do this, tighten the nuts/bolts (1) on each side of the belt. There should be 3cm clearance at maximum raised position.

— See sticker (2).

Note: When the adjustment lights have reached their maximum travel, remove one link from the belt.





10.4. Belt rotation

The belt can be rotated 180° to compensate for belt chain wear.

— Open a distribution door.

— Position the belt so that the connecting links (2) are accessible.

— Release the belt tension (see the “Belt chain tension” chapter).

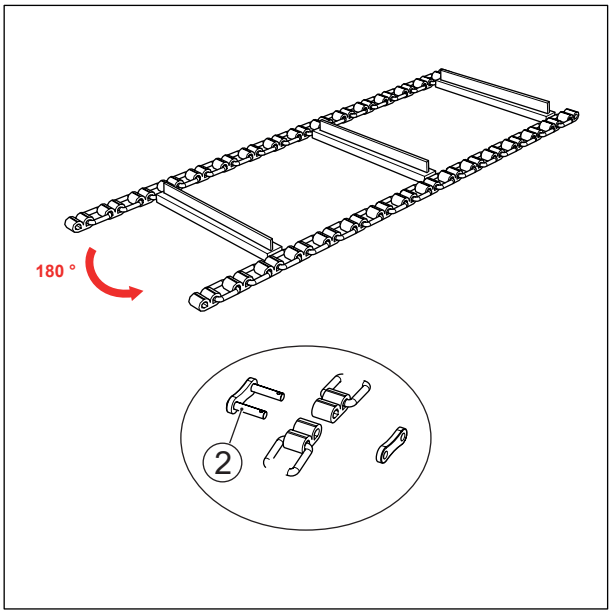
— Remove the belt connecting links.

— Remove the belt.

— Rotate the belt half a turn.

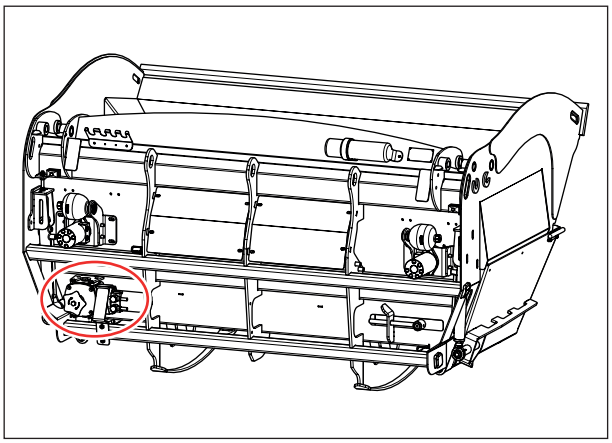
— Refit the belt.

— Reconnect the belt using the links (2), then tighten it.



10.5. Belt angle gearbox oil level

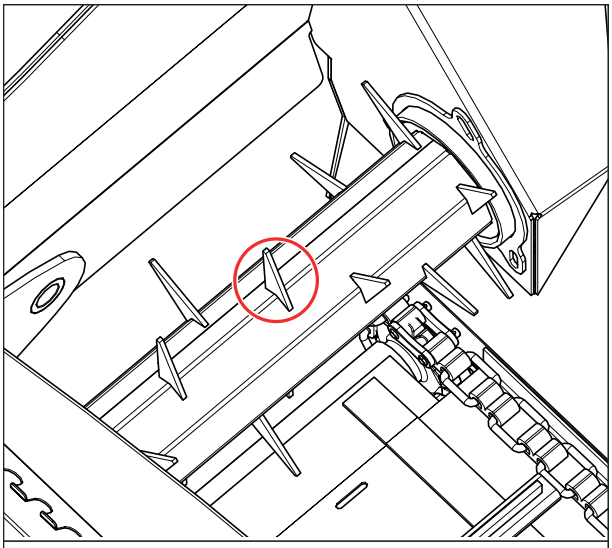
Regularly check the belt angle gearbox oil level.

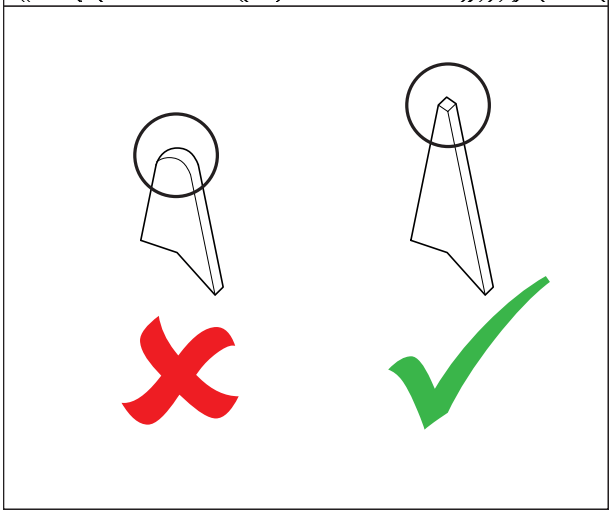


10.6. Check the separator blades

Visually check that the blade is in good condition; replace, if necessary.

Note: A blade in good condition ensures better quality work.





11. Recycling MX products

Disposal: please contact your dealer or a company specialising in materials recycling.

Hydraulic system

— End-of-life MX products must have their hydraulic oil drained by an authorised technician.

— The hydraulic hoses must be removed before the equipment can be recycled.

— All MX product owners are required to comply with these environmentally-friendly precautions if they decide to dismantle their end-of-life products themselves.

Disposal of hazardous waste (oils and hoses)

— Hydraulic oils must be stored in containers or drums provided for this purpose and sent to approved disposal facilities.

— For hydraulic hoses, the steel connectors can be separated from the rubber hoses.

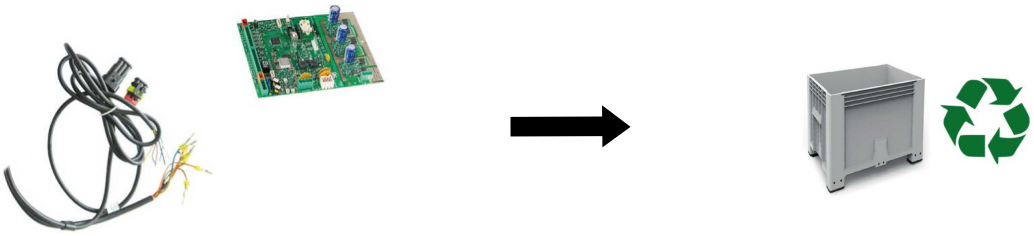
— The steel end caps must be recycled as scrap by approved facilities.

— The rubber hoses must be placed in watertight containers and sent for processing by approved facilities.



High-tech MX product components and electrical and electronic equipment

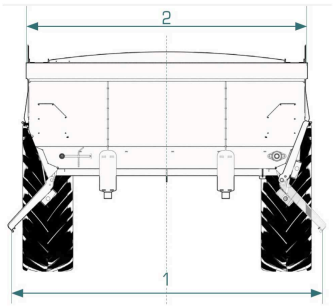
— Waste electrical and electronic equipment (WEEE) present in MX products must be removed and disposed of by authorised services for recovery.

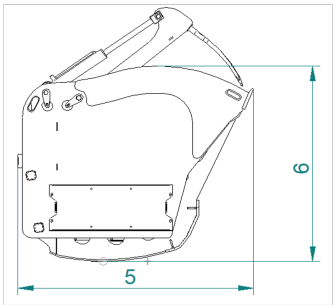


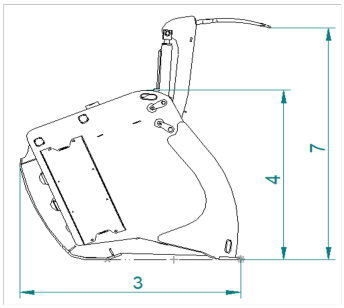
Recycling of decontaminated MX products

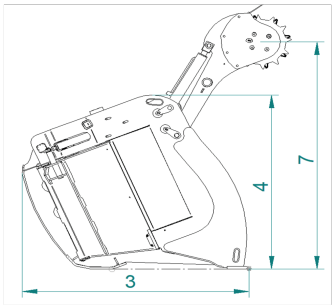
— Decontaminated MX products must be sent to authorised services for iron and metal recycling.

12. Technical specifications









	Grab models			Rotor models		
	GDT 2320	GDT 2523	GDT 2725	GDT 2320	GDT 2523	GDT 2725
Dimensions						
Distribution width (1)	2.30 m*	2.50 m*	2.70 m*	2.30 m*	2.50 m*	2.70 m*
Bucket width (2)	2.00 m	2.20 m	2.40 m	2.00 m	2.20 m	2.40 m
Depth (3) / Height (4) in changeover position	1,547 mm/1,342 mm	1,547 mm/1,342 mm	1,547 mm/1,342 mm	1,547 mm/1,342 mm	1,547 mm/1,342 mm	1,547 mm/1,342 mm
Depth (5) / Height (6) in distribution position	1,539 mm/1,335 mm	1,539 mm/1,335 mm	1,539 mm/1,335 mm	1,539 mm/1,335 mm	1,539 mm/1,335 mm	1,539 mm/1,335 mm
Opening height (7)	1,936 mm	1,936 mm	1,936 mm	1,952 mm	1,952 mm	1,952 mm
Capacities						
Piled volume single door/double door	2,050 L/2,000 L	2,350 L/2,300 L	2,550 L/2,500 L	2,050 L/2,000 L	2,350 L/2,300 L	2,550 L/2,500 L
Level volume single door/double door	1,550 L/1,500 L	1,750 L/1,700 L	1,950 L/1,900 L	1,550 L/1,500 L	1,750 L/1,700 L	1,950 L/1,900 L
Weight						
Weight empty (with Euro hitch) single door/double door	990 kg/1,109 kg	1,056 kg/1,175 kg	1,122 kg /1,240 kg	1,139 kg/1,258 kg	1,205 kg/1,324 kg	1,266 kg/1,385 kg
Recommendations						
Loader U510+/U512+/ T410+/T412 or equivalent (linkage capacity ≥ 2.2 t)	Yes	No	No	Yes	No	No
Loader U514+/T412+/ T417/T418 or equivalent (lifting capacity ≥ 2.4 t)	Yes	Yes	No	Yes	Yes	No
Telescopic handler with a lifting capacity of ≥ 3 t	Yes	Yes	Yes	Yes	Yes	Yes
Loader or telescopic handler hydraulic performance (at 3F outlet)	≥ 40 L / min 180 bar	≥ 40 L / min 180 bar	≥ 40 L / min 180 bar	≥ 40 L / min 180 bar	≥ 40 L / min 180 bar	≥ 40 L / min 180 bar
Hyd/elec couplings required on tractor/loader or telescopic handler	3F and 4F or 3F + original electrical disposition 4F for implement	3F and 4F or 3F + original electrical disposition 4F for implement	3F and 4F or 3F + original electrical disposition 4F for implement	3F and 4F or 3F + original electrical disposition 4F for implement	3F and 4F or 3F + original electrical disposition 4F for implement	3F and 4F or 3F + original electrical disposition 4F for implement

*With offset rubber kit (delivered as standard): 2.60m for GDT 2320/2.80m for GDT 2523/3.00m for GDT 2725

DÉCLARATION DE CONFORMITÉ CE

Le constructeur :
ATELIER ROBERT SA
Rue Reppe - 20E
B - 5300 SEILLES - ANDENNE
BELGIQUE

Déclare que le matériel :

Marque : MX

Godet désileur à tapis *GDT*

dont le numéro de série est : ____

veuillez recopier dans le cadre ci-dessus le numéro de série se trouvant sur la plaque d'identification du matériel.

compris dans la liste des numéros de série 7/2261 à 7/9999,

est conforme à la directive "Machines" 2006/42/CE.

Seilles, le 1 Mars 2024.

Sébastien ROBERT
Administrateur



part of **M-extend**

M-extend France : 19 rue de Rennes - 35690 ACIGNÉ

www.m-x.eu

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