

FBR Plus

OPERATOR'S MANUAL - PARTS BOOK

SICKLE BAR MOWER



Cod. G19503020 2009-03

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cod. G19503020

TO THE DEALER:

Assembly and proper installation of this product is the responsibility of the MASCHIO GASPARDO dealer. Read manual instruction and safety rules. Make sure all items on the Dealer's Pre-Delivery Check List in the Operator's Manual are completed before releasing equipment to the owner.

The dealer must complete the Warranty Registration, located on the MASCHIO GASPARDO website. **Warranty claims will be denied if the Warranty Registration has not been completed.**

TO THE OWNER:

Read this manual before operating your frontier equipment. The information presented will prepare you to do a better and a safer job. Keep this manual handy for ready reference. Require all operators to read this manual carefully and become acquainted with all the adjustment and operating procedures before attempting to operate. Replacement manuals can be obtained from your selling dealer.

The equipment you have purchased has been carefully enginereed and manufactured to provide dependable and satisfactory use. Like all mechanical products, it will require cleaning and upkeep. Lubricate the unit as specified. Observe all safety information in this manual and safety decals on the equipment.

For service, your authorized MASCHIO GASPARDO dealer has trained mechanics, genuine MASCHIO GASPARDO service parts, and the necessary tools and equipment to handle all your needs.

Use only genuine MASCHIO GASPARDO service parts. Substitute parts will void the warranty and may not meet standards required for safe and satisfactory operation. Record the model number and serial number of your equipment in the spaces provided:

Model:	Date of Purchase
Serial Number: (see Safety Decal section for local	ation)

Provide this information to your dealer to obtain correct repair parts.

Throghout this manual, the term **IMPORTANT** is used to indicate that failure to observe can cause damage to equipment. The terms **CAUTION**, **WARNING** and **DANGER** are used in conjunction with the Safety-Alert Symbol, (a triangle with an esclamation mark), to indicate the degree of hazard for items of personal safety.





Indicates an imminently hazardous situation that, if not avoided, will result in death or serious injury.



Indicates a potentially hazardous situation that, if not avoided, could result in death or serious injury, and includes hazards that are exposed when guards are removed.



CAUTION Indicates a potentially hazardous situation that, if not avoided, may result in minor or moderate injury.

IMPORTANT

Indicates that a failure to observe can cause damage to equipment.

NOTE Indicates helpful information.

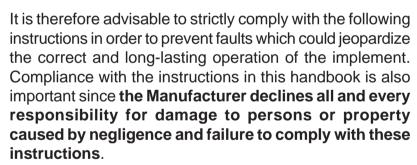
Description of the sickle bar mower

This agricultural implement can only operate by means of a cardan shaft applied to the pto of an agricultural tractor equipped with lift and universal three-point hitch. Since it is movable, the mowing machine can be easily mounted on tractors with different gauges or on tracked vehicles (Fig. 1). The two-motion tooth-blade system used in mowing machines, makes possible a scissors cut which leads to a higt speed operation on a any crop. The original tooth-blade motion guarantees a sharp and clean cut on any type of grass, be it damp or flattened. It is thanks to the total absence of soil which this mowing system does not raise, sharp because the stems are not frayed. The sickle bar may also be used with the cutting arm tilted for working on canals, ditches and embankments (Fig. 2 and 3).



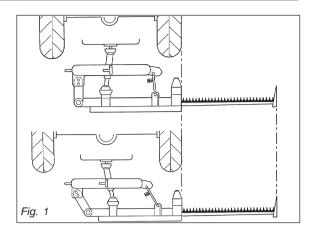
ATTENTION

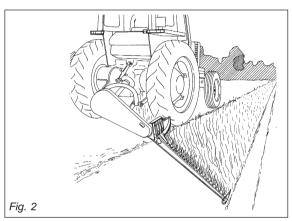
The sickle bar is suitable only for the uses indicated. Any other use different from that described in these instructions could cause damage to the machine and represent a serious hazard for the user.

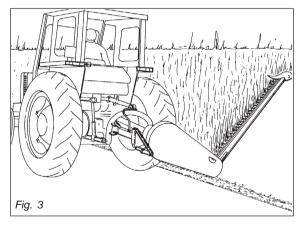


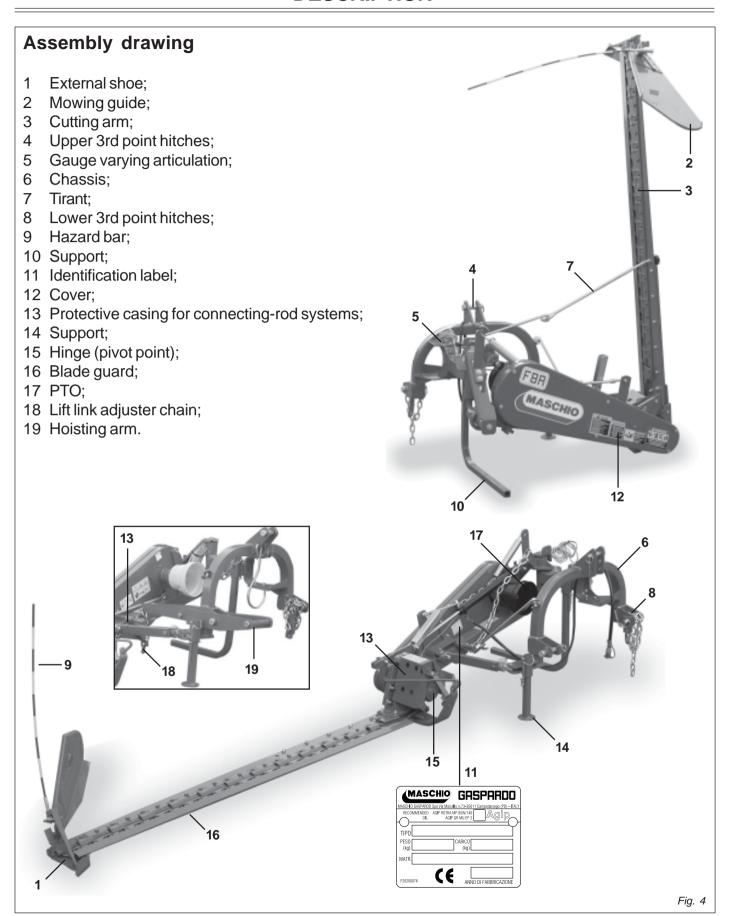
The Manufacturer shall, however, remain at the customers' disposal for immediate and thorough assistance together with anything else that may be required in order to ensure the correct operation and maximum efficiency of the implement.

The Manufacturer reserves the right to make any modifications and improvements to the implement as may be considered opportune, without being obliged to immediately inform the user.



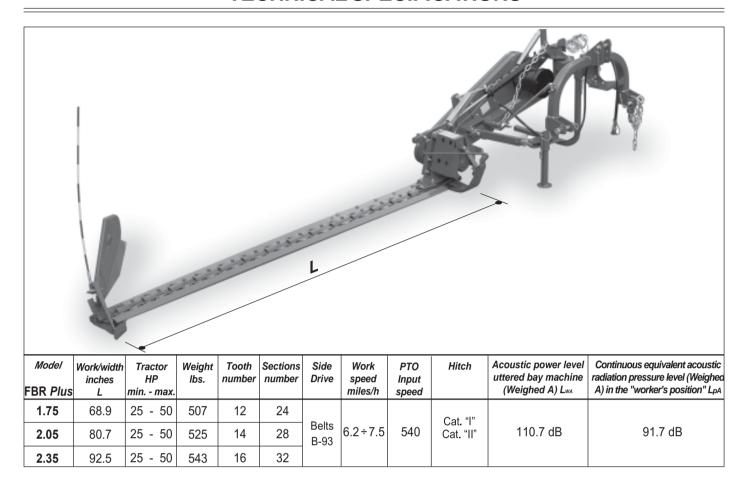






6

TECHNICAL SPECIFICATIONS



Handling

During handling operations, use suitable personal protection devices:



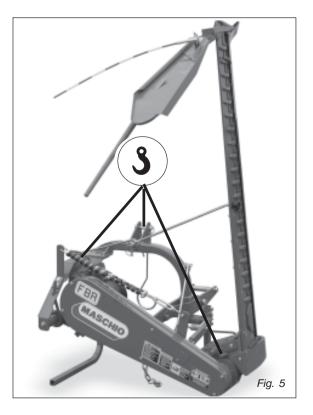


If the machine is handled, it must be lifted by hooking (Fig. 5) onto the appropriate holes with a suitable winch or crane of sufficient capacity. Because of the danger involved, this operation should be carried out by trained and responsible personnel. The mass of the machine is on the identification label (11, Fig. 4).

Stretch the rope to keep the machine level.

The lifting points can be detected by finding the symbol (8 page 9).

During handling operations make sure the implement has the required safety devices and guards.



SAFETY LABLES

Safety-alert lables

Read and recognize safety information.

Be alert to the potential for personal injury when you see this safety-alert lables.



On your machine safety labels, the words DANGER, WARNING, and CAUTION are used with a safety symbols. DANGER identifies the most serious hazards. In this manual, the word CAUTION and this symbol call attention to safety messages.

Identification machine

Identification label

Machine safety labels

1) CAUTION: AVOID INJURY

- Read Operator's Manual
- Ballast power unit per operator's manual
- Know location and function of controls
- Keep all shields in place
- Stay clear of power driven parts
- Never carry riders
- Keep people and pets a safe distance away from machine

BEFORE DISMOUNTING OR SERVICING

- Shut off engine and remove key
- Lock brake for park
- Lower or block up machine

2) CAUTION

- 1 Keep all shields in place.
- 2 Disengage and shut off all engine and/or motor power before servicing or unclogging machine.
- 3 Keep hands, feet and clothing away from power-driven parts.

3) DANGER: CRUSHING AND PINCH POINTS

MOVING MACHINERY PARTS CAN:

1° PINCH OR CRUSH OR FALL

2° WHICH MAY CAUSE INJURY OR DEATH.

4) DANGER

Entanglement in rotating driveline can cause serious injury or death.

Keep all shields in place.

Avoid contact with rotating parts.

5) DANGER: KEEP AWAY - SHARP BLADES

- Do not put hands or feet near the cutterbar. Blade contact can result in serious injury.
- Stay away until all motion has stopped and the mower is securely blocked up.
- Keep fingers clear of cutterbar when folding cutterbar for transport.

6) CAUTION

Operate only with 540 rpm PTO



MACHINE SAFETY LABELS AND POSITION



CAUTION

- COID INJURY
 EAD OPERATOR'S MANUAL
 allast power unit per operator's manual
 now location and function of controls
 eep all shields in place
 tay clear of power driven parts
 ever carry riders
 eep people and pets a safe distance
 way from machine

BEFORE DISMOUNTING OR SERVICING • Shut off engine and remove key • Lock brake for park • Lower or block up machine

2

CAUTION

- 1. Keep all shields in place.
- 2. Disengage and shut off all engine and/or motor power before servicing or unclogging machine.
- 3. Keep hands, feet and clothing away from power-driven parts.

3







(5)



DANGER

(6)



Operate only with 540 rpm PTÓ

(7)





(8)



9





0000

- 8) Coupling point for lifting.
- Greasing point.

PREPARING THE TRACTOR

Preparing the tractor



CAUTION: Avoid injury. Proper ballastings is required for safe operation of your sickle bar mower

IMPORTANT: Refer to the tractor operator manual for proper ballasting information and tire inflation

- A 540 rpm PTO
- Refer to the tractor operator manual for correct ballasting and tire pressure, depending on installed equipment.

Parking instruction

- Stop vehicle on a lever surface, not on a slope.
- Disengage PTO.
- Engage the park brake.
- STOP the engine.
- Remove the key.
- Before you leave the operator's seat, wait for engine and all moving parts to STOP.

Stay clear of rotating drivelines

Entanglement in rotating driveline can cause serious injury or death:

- Wear close fitting clothing.
- STOP the engine and be sure PTO driveline is stopped before getting near it.

Installing sickle bar on tactor

The sickle bar can be hitched to I, II or quick coupler category tractor equipped with a universal three-point coupling.



DANGER

Application of any implement to a tractor is a very dangerous operation and must only be carried out with the utmost care in compliance with the instructions.

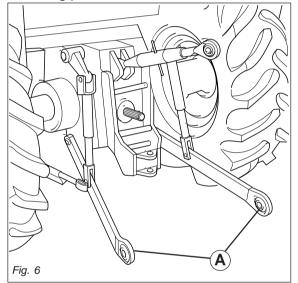
The correct tractor/sickle bar position is established by setting the implement at such a distance from the tractor that the universal coupling remains 2-4 inches from its maximum closing position. Now proceed in the following way:

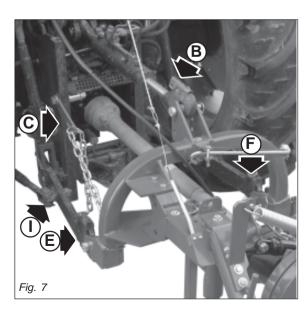
1.Back tractor into position and align draft links (A, Fig. 6) with draft link brackets on sickle bar.



CAUTION: Before you work around hitch:

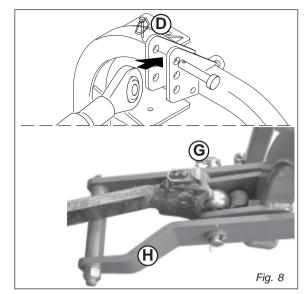
- STOP engine.
- LOCK park brake.
- FIRMLY block mower on horizontal surface.
- 2. Connect the upper third-point and correctly regulate by means of the adjuster (B, Fig. 7). Place plate (C, Fig. 7) at the left side of the hight integral with the same pin. Lock in place with the snap-in split pins (D, Fig. 8).





INSTALLING

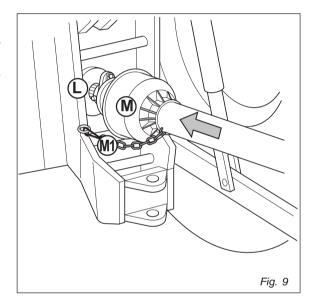
- 3. Hook the oscillating arms of the tractor to pins (E and F, Fig. 7). The hoisting arm (H, Fig. 8) must be fixed underneath the tractor arm. Lock in place with the snap-in split pins (G Fig. 8)
- 4. Lock the lift links using the relative chains (I, Fig. 7) and couplings parallel to the tractor. This operation must be carried out to prevent the machine from moving in a horizzontal direction.



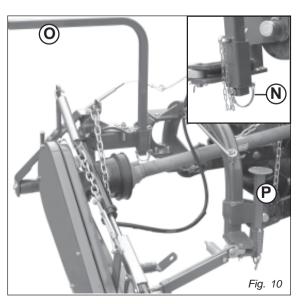
5. Install PTO shaft to tractor (Fig. 9).

IMPORTANT: Sickle bar mower MUST BE level front to rear.

Make sure PTO shaft is locked on the tractor PTO prior to engagement (L). Check that the guard (M) is free to turn and fix it with the relative latch (M1).



- 6. Remove the guard over the cutters (16, Fig. 4) and remove the tirant (7, Fig.4).
- 7. Lift-up sickle bar.
- 8. Remove spring locking pin (N, Fig. 10) from parking stand.
- 9. Remove support (O and P, Fig. 10) and remount them, upside-down in their seat.
- 10. Fasten with spring locking pin (N, Fig. 10).



PTO shaft adaptation

The PTO shaft, supplied with the machine, is of standard length. Therefore it might be necessary to adapt the PTO shaft. In that case, before doing anything, consult the Manufacturer for the eventual adaptation.

A

CAUTION

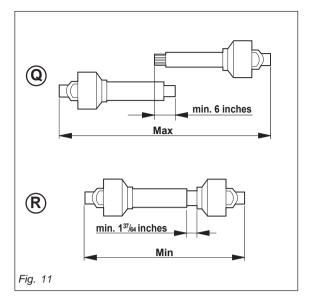
- When the PTO shaft is fully extended, the two tubes must overlap by at least 6 inches (Q Fig. 11). When fully inserted, the minimum play must be 1³⁷/₆₄ inches (R Fig.11).
- If the implement is used on another tractor, always check the above and that the guards copletely cover the rotating parts of the PTO shaft.

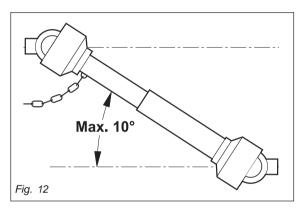


ATTENTION

Comply with the manufacturer's instructions when transporting the mowing machine.

- The equipment installed can only be controlled by means of the PTO shaft complete with the necessary overload safety (i.e. clutch) devices and guards fastened with the appropriate chain.
- Only the PTO shaft supplied by the Manufacturer must be used.
- The engine must not be running when installing and removing the PTO shaft.
- Care must be taken regarding the safety and correct assembly of the PTO shaft.
- Use the chain provided to stop the PTO shaft from rotating.
- Always check carefully that the PTO shaft guard is always in position, both during transportation and operation.
- Frequently and set intervals check the PTO shaft guard, it must always be in excellent condition.
- Before engaging the PTO, check that the set rpm corresponds to that indicated by the sticker on the equipment.
- Before inserting the PTO, make sure that there are no people or animals nearby and that the rpm selected corresponds to that permitted. Never exceed the maximum admissible speed.
- Watch out for the rotating universal joint.
- Do not insert the PTO with the engine off or synchronized with the wheels.
- Always disconnect the PTO when the cardan shaft is at too wide an angle (never more than 10°, Fig. 12) and when it is not being used.
- Only clean and grease the PTO shaft when the power take-off is disconnected, the engine is off, the hand brake pulled and the key removed.
- When not in use, place the PTO shaft on the support provided for it.
- After having dismantled the PTO, place the protective cover on the PTO shaft (S, Fig. 13).







Stability of sickle bar mower and tractor during transport

When a sickle bar is coupled to a tractor, so becoming an integral part of it for the purposes of road travel, the stability of the sickle bar-tractor complex may change and cause driving or operating difficulties (rearing up or side-slipping of the tractor). The condition of equilibrium can be restored by placing a sufficient number of ballasts on the front of the tractor so that the weights on the two tractor axles are distributed sufficiently evenly. To work in safety the instructions given in the highway code should be followed; these prescribe that at least 20% of the weight of the tractor alone should be borne by the front axle and that the weight on the arms of the hoist should not be more than 30% of the weight of the tractor itself. These factors are summarized in the following formulas:

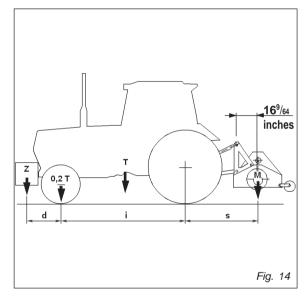
$$Z > (M \times s)-(0.2 \times T \times i)$$

(d+i)

The amount of ballast that should be applied according to the formula is the minimum required for circulation on the road. If for reasons of tractor performance or to improve the set-up of the sickle bar during operation it is thought necessary to raise these values, please refer to the registration document of the tractor to check its limits. When the formula for calculating the ballast gives a negative result it will not be necessary

to add any weight. In any case, as long as the limits of the tractor are respected, a suitable quantity of weights may be applied in order to ensure greater stability during travel. The symbols have the following meanings:

М	Kg	Mass weighing on arms off hoist with full load (Technical data table)	
Т	Kg	Mass of tractor	
Z	Kg	Total mass of ballast	
i	m	Tractor wheelbase, that is, the horizontal distance between the tractor axles	
d	m	Horizontal distance between the centre of gravity of the ballast and the front axle of the tractor	
s	m	Horizontal distance between the centre of gravity of the operating machine and the back axle of the tractor	



(please see Fig. 14 for reference):

INSTALLING

Parking instructions

- Stop vehicle on a level surface, not on a slope.
- Disengage PTO.
- Engage the park brake.
- STOP the engine.
- Remove the key.
- Before you leave the operator's seat, wait for engine and all moving parts to STOP.

Stay clear of rotating drivelines

Entanglement in rotating driveline can cause serious injury or death:

- Wear close fitting clothing.
- STOP the engine and be sure PTO driveline is stopped before getting near it.



Removing sickle bar mower

The sickle bar must be set-up on flat and compact ground, supported by the relative supports (A and B, Fig. 15).

- 1. Raise sickle bar.
- 2. Put parking stand (A and B, Fig. 15) in the DOWN position: install spring locking pin in order to secure parking stand (C, Fig. 15).
- 3. Lower sickle bar to the ground.



CAUTION: Before you work around hitch:

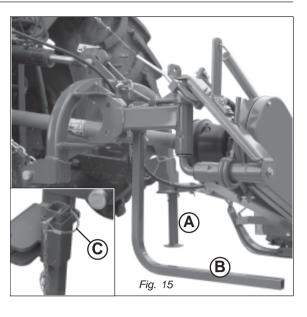
- STOP engine.
- LOCK park brake.
- FIRMLY block mower on horizontal surface.
- 4. Unhook the PTO schaft (, Fig. 16) from the tractor and put in on the special hook.
- 5. Remove quik-lock pin (D, Fig. 17) and pin (E, Fig. 17) from center link (F, Fig. 17).

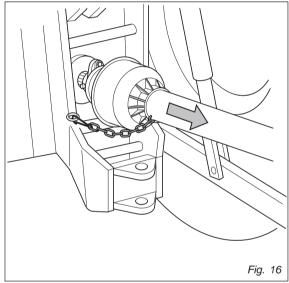


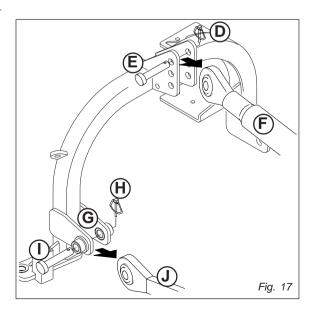
6. Remove draft links (J, Fig. 17) from draft link brackets (G, Fig. 17) by removing quiklock pins (H, Fig. 17) and pins (I, Fig. 17).

NOTE: Put quik-lock pins and pins back into brackets on sickle bar for storage.

7. Drive tractor forward slowly.







OPERATING

Operate safetly

Carefully read all the instructions before using the machine; if in doubt, contact the technicians of the Manufacturer's dealer. The manufacturer declines all responsibility for the non-observance of the safety and accident prevention regulations described below.

General norms

- 1) Pay close attention to the danger signs in this manual and on the sickle bar.
- 2) The labels with the instructions attached to the machine give abbreviated advice for avoiding accidents.
- 3) Carefully observe, with the help of the instructions, the safety and accident prevention regulations.
- 4) Avoid touching moving parts in any way whatsoever.
- 5) Any work on and adjustment to the machine must always be done with the engine switched off and the tractor blocked.
- 6) People or animals must not, under any circumstances, be transported on the equipment.
- 7) It is strictly prohibited to drive the tractor, or allow it to be driven or with the equipment attached by persons not in possession of a driver's license, an expert or in poor conditions of health.
- 8) Before starting the tractor and the equipment, check that all safety devices for transport and use are in perfect working order.
- 9) Before starting up the equipment, check the area surrounding the machine to ensure that there are no people, especially children or pets, nearby, and ensure that you have excellent visibility.
- 10) Use suitable clothing. Avoid loose clothing or garments with parts that could in any way get caught in the rotating or moving parts of the machine.
- 11) Before starting work, familiarize yourself with the control devices and their functions.
- 12) Only start working with the equipment if all the protective devices are in perfect condition, installed and in the safe position.
- 13) It is absolutely prohibited to stand within the machine's radius of action where there are moving parts.
- 14) It is absolutely forbidden to use the equipment without the guards.
- 15) Before leaving the tractor, lower the implement coupled to the lift unit, stop the engine, engage the hand brake, remove the ignition key from the control panel, cover the cutters and outer skid with the relative guards. Raise the mowing bar (transport protection) according with the instructions given in this handbook.
- 16) The driver's seat must never be left when the tractor engine is running.
- 17) Before operating the mowing machine, check that the support struts (A and B, Fig. 15 page 15) have been removed from underneath the implement. Make sure that the sickle bar has been correctly mounted and adjusted. Check that the machine is in perfect order and that all components subject to wear and deterioration are efficient.
- 18) Before releasing the equipment from the third point attachment, put the hoist command lever into the locked position and lower the support feet.
- 19) Only operate during daylight or with proper artificial light.
- 20) All operations must be carried out by expert personnel, equipped with protective gloves, in a clean and dust-free environment.
- 21) Do not climb onto the machine while it is running, even if it is stationary.
- 22) Before approaching the mowing bar, disengage the pto, switch off the tractor, engage the parking brake and check that the cutters are at a complete standstill.
- 23) The coupled implement may only be controlled through the PTO shaft complete with the necessary safety devices for overloads and with the guards fixed with the relative latch.
- 24) During maintenance and work operations, make sure that no other person goes near the tractor and the implement and accidentally works the controls with the risk of causing injury to persons and damage to property.
- 25) As a precaution, always set adeguate supports under the implement during assembly, servicing, cleaning or assembly work with the mowing bar raised.

OPERATING

- 26) DO NOT wear radio or music headphones while operating the machine. Safe operation requires your full attention.
- 27) DO NOT operate the tractor and sickle bar when you are tired or ill.

Tractor hitch

- 1) Hook the equipment to a suitable, sufficiently-powered tractor by means of the appropriate device (lifter), in conformity with applicable standards.
- 2) The class of the equipment attachment pins must be the same as that of the lifter attachment.
- 3) Take care when working within the range of the lifting arms as this is a very dangerous area.
- 4) Be very careful when hooking and unhooking the equipment.



- 5) It is absolutely forbidden to stand between the tractor and linkage for acting the lifting controls from the outside (Fig. 18).
- 6) It is absolutely forbidden to stand in the space between the tractor and the equipment (Fig. 18) with the engine running.
- 7) The attaching of additional equipment onto the tractor brings about a different distribution of weight on the axles.
 - Check the compatibility of the tractor performance with the weight that the mower transfers onto the three-point linkage. If in doubt consult the tractor Manufacturer.
- 8) Comply with the maximum admissible weight for the axle, the total mobile weight, transport regulations and the highway code.



- Wear close fitting clothing and safely equipment appropriate for the job.
- Loud noise can cause impairment or loss of hearing, wear a suitable protective device such as earplugs.



Stay clear of rotating drivelines

Entanglement in rotating driveline can cause serious injury or death:

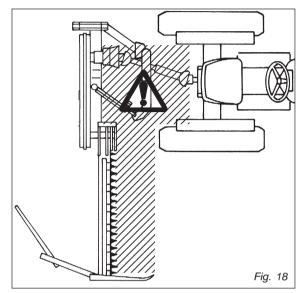
- Wear close fitting clothing
- Stop the engine and be sure PTO shaft is stopped before getting near it.





CAUTION: Before you work around hitch:

- STOP engine.
- LOCK park brake.
- FIRMLY block mower on horizontal surface.

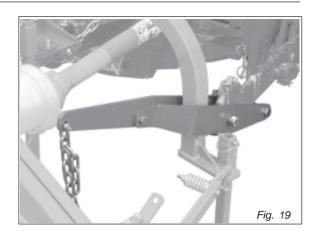


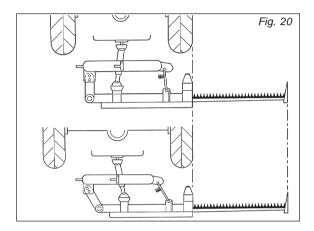
Use of MECHANICAL lifting system (Fig. 19)

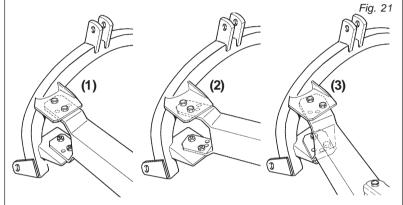
Adapting the sickle bar mower

To ensure optium use, the sickle bar must completely project from the tractor (Fig. 20); three situations are shown in the Figure 21:

- 1) hitching to a tractor normally used for mowing jobs;
- 2) hitching to a large tractor;
- 3) hitching to a small tractor or to certain types of tracked vehicle.



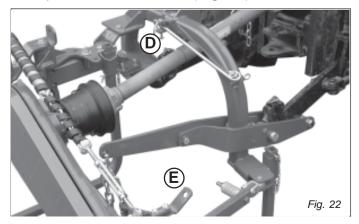


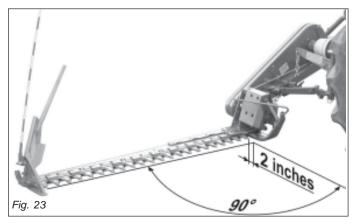


Adjustment

Before starting a mowing session, adjust the machine so that the best working setup is obtained. Correct machine setup guarantees excellent mowing, allows for the best machine-tractor performance and remarkably reduces wear of the cutting blades.

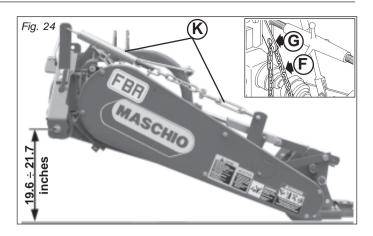
- Remove safety hook (D, Fig. 22), required only for transportation, and fit it back in the slot positioned above the chassis.
- Fit the sickle bar by adjusting the tractor tie-rods so that, when the sickle bar attachment is fitted to the three points on the tractor, the external tip of the cutting arm is approximately 2 inches. foward with respect to the arm base (Fig. 23).



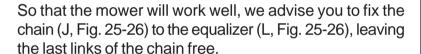


Connect one end of the chain (F, Fig. 24) to the mower using the supplied pin and the other end to a stationary point on the tractor. Adjust the height of the mower to the ground (19.6 to 21.7 inches, Fig. 24) by moving the rings of the chain (F, Fig. 24) in the hole on the plate (G, Fig. 24).
 When the lifter is lowered, this precaution will constantly hold the mower at the same height from ground level. Also, check that the inner skid is still touching the ground and adjust the spring (K, Fig.

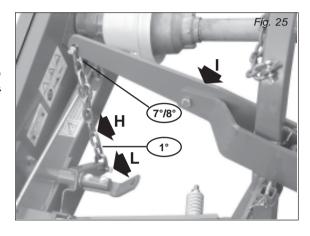
24) if necessary.

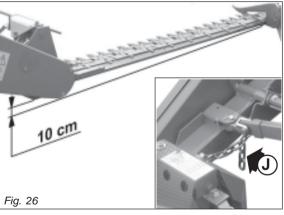


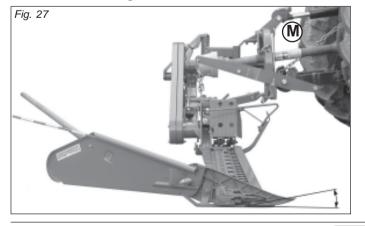
- Adjusting the hoisting chain (H, Fig. 25) so that during mowing the hoisting arm (I, Fig. 25) is free to move up and down; in this way, the cutting arm can follow any unevenness of the ground.
 So that the mower will work well, we advise you to fix the chain (H Fig. 25) to the lifting arm (I Fig. 25) at the level of the 7th or 8th link of the chain.
- Adjust the heigt of the cutting arm from the ground with chain (J, Fig. 26). Lower the mower; when the external tip of the arm touches the ground, the inner shoe must remain approximately 10 cm. above ground level (Fig. 26). Adjust by moving the chain links.

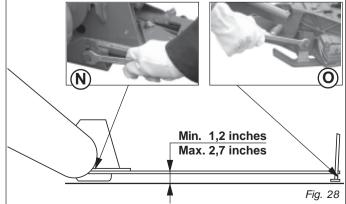


- Adjust inclination of the cutting arm teeth using tie rod (M, Fig. 27).
- Adjust the cutting height (Fig. 28) by moving the mowing bar on the holes of the inner mowing bar support (N), and, turning the nut of the outer mowing bar support (M), bring it level with the ground.



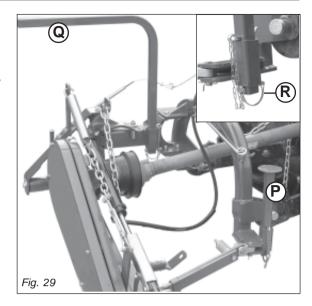






Mowing

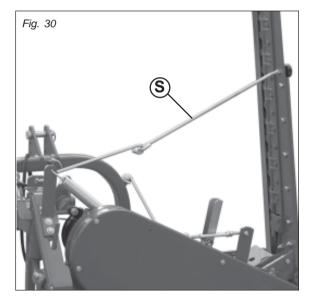
 Remove the supports (P and Q, Fig. 29) and remount them, upside-down in their seat. Install spring locking pin in order to secure parking stand (R).

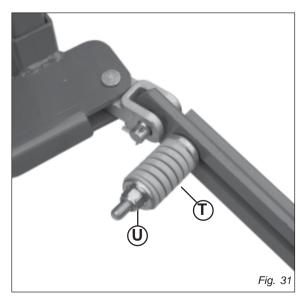


- Remove tie rod (S, Fig. 30) from the cutting arm.
- The sickle bar is fitted with a safety device for protection against obstacles. If this device is tripped by impact with an obstacle, stop the tractor without raising the cutting arm. Check that the cardan shaft has not become seperated, if so, reassemble it. Position the safety tie rod parallel to the ground, and reverse the tractor until the safety tie rod hooks up again. If the tie rod releases easly, adjust spring (T, Fig. 31) using nut (U, Fig. 31) which should be tightened half turn at a time.

For successful mowing and to avoid jamming, we advise you to:

- Set and maintain the power take-off at a constant rate of 540 rpm to ensure correct blade frequency;
- compatibly with the soil conditions and the type of grass, maintain a steady work speed: no slower than 5 mph to favor the discharging of the mown grass and no faster than 6.2 mph to avoid breaking or damaging the machine's structure.
- if the grass is tangled or flattened, keep the cutting bar grazing the ground.







If the blades becomes jammed, it is advisable to operate carefully wearing suitable personal protection. All the maintenance, adjustments and work preparation operations, must be carried out with the tractor strictly switched off and properly stationary, with the ignition key turned off and the sickle bar on the ground.

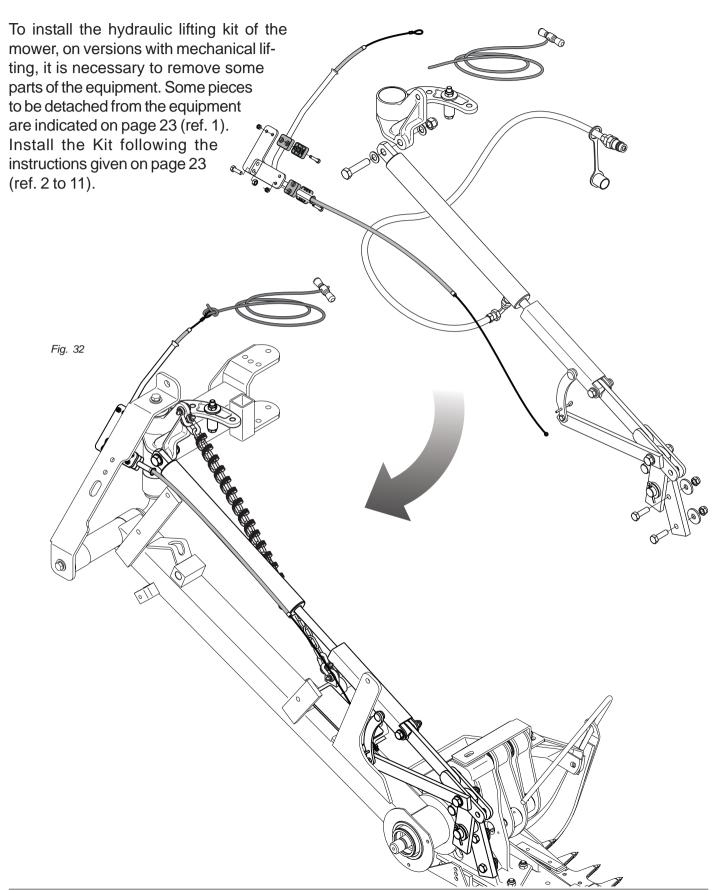


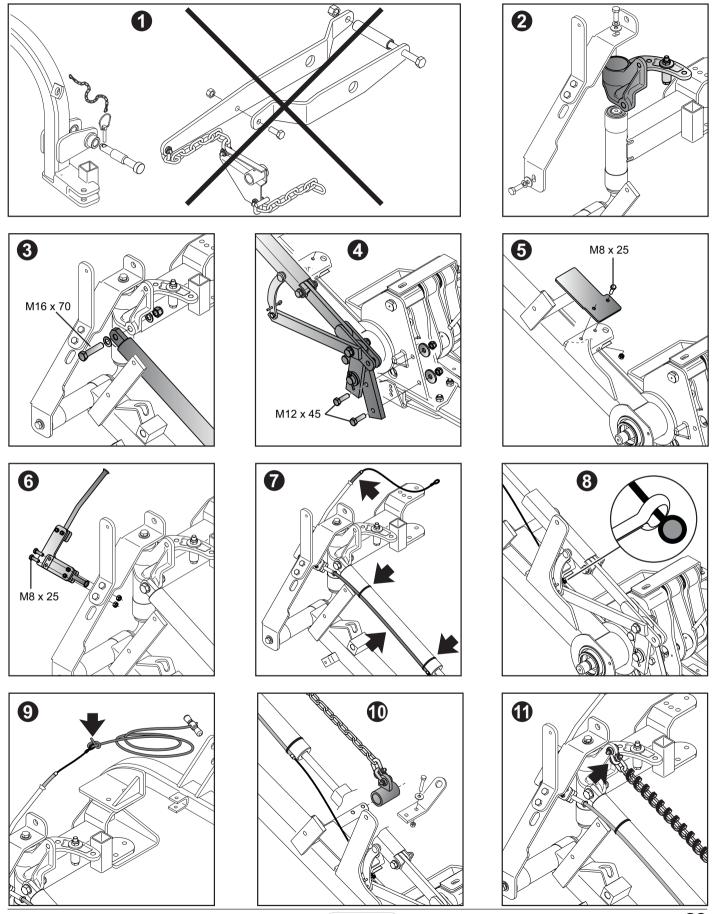
- Always raise the implement in order to reverse or change direction.
- The cutting arm should not be raised abruptly in order to avoid damaging the cutting blades.
- Power take-off must not exceed 540 r.p.m.
- Never run the engine at maximum power while mowing.
- In order to prevent breakages or damage, the speed of the tractor must never exceed 6.2 mph when the implement is working.



The mowing machine has sharp cutting blades. Always make sure that there are no persons, domestic animals, electrical cables, pipes and so forth, within the field of action of the implement.

Use of HYDRAULIC lifting system (Fig. 32)

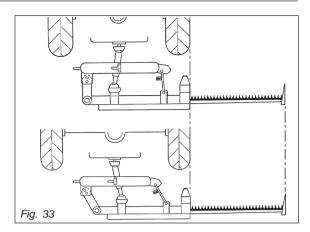


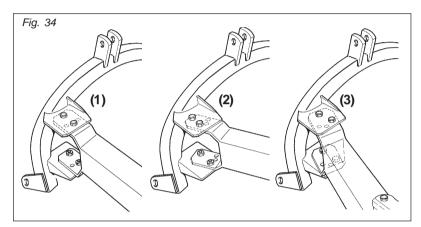


Adapting the sickle bar mower

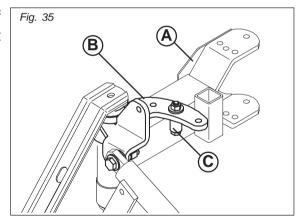
To ensure optium use, the sickle bar must completely project from the tractor (Fig. 33); three situations are shown in the Figure 34:

- 1) hitching to a tractor normally used for mowing jobs;
- 2) hitching to a large tractor;
- 3) hitching to a small tractor or to certain types of tracked vehicle.

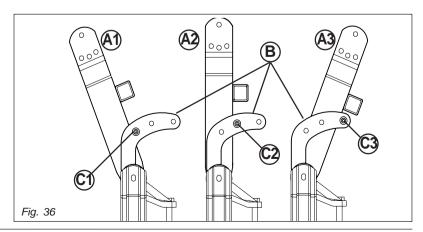


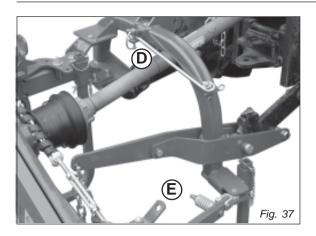


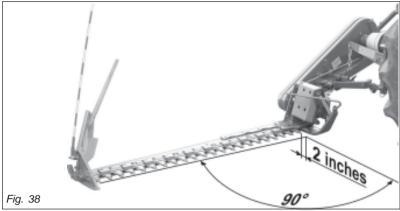
When the frame joint is moved (A, Fig. 35), the position of the stop bushing (C, Fig. 35) of the cylinder linkage must consequently be changed, according to the cases shown in figures 35 and 36.



Connections between frame joint and stop bushing for the movement of the mowing bar.



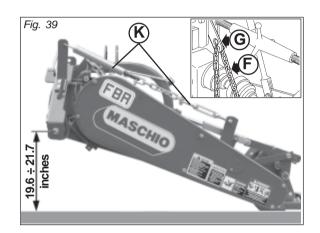


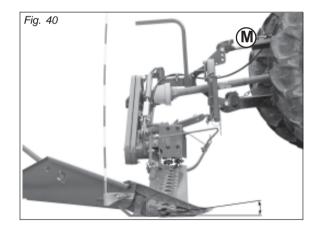


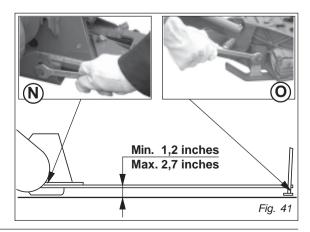
Adjustment

Before starting a mowing session, adjust the machine so that the best working setup is obtained. Correct machine setup guarantees excellent mowing, allows for the best machine-tractor performance and remarkably reduces wear of the cutting blades.

- Remove safety hook (D, Fig. 37), required only for transportation, and fit it back in the slot positioned above the chassis.
- Fit the sickle bar by adjusting the tractor tie-rods so that, when the sickle bar attachment is fitted to the three points on the tractor, the external tip of the cutting arm is approximately 2 inches. foward with respect to the arm base (Fig. 38).
- Connect one end of the chain (F, Fig. 39) to the mower using the supplied pin and the other end to a stationary point on the tractor. Adjust the height of the mower to the ground (19.6 to 21.7 inches, Fig. 39) by moving the rings of the chain (F, Fig. 39) in the hole on the plate (G, Fig. 39). When the lifter is lowered, this precaution will constantly hold the mower at the same height from ground level. Also, check that the inner skid is still touching the ground and adjust the spring (K, Fig. 39) if necessary.
- Adjust inclination of the cutting arm teeth using tie rod (M, Fig. 40).
- Adjust the cutting height (Fig. 41) by moving the mowing bar on the holes of the inner mowing bar support (N), and, turning the nut of the outer mowing bar support (O), bring it level with the ground.



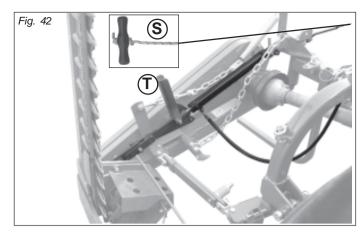




Using the lifting device

Once you have positioned the equipment, prepare it for mowing:

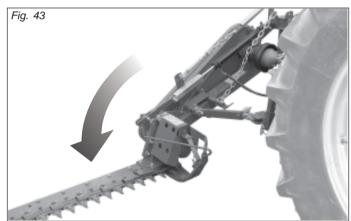
- release the blade tie rod;
- remove the support prop;
- remove the blade protection.



Operation of lifting device

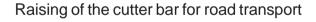
Put the rope (S, Fig. 42) for releasing the bracket (T, Fig. 42) inside the tractor cabin.

Climb into the tractor and operate the hydraulic distributor to lower the blade (Fig. 43) into the mowing position.

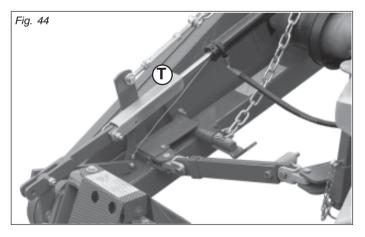


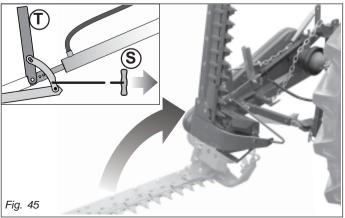


CAUTION: While working regularly check that the bracket (T) is still resting along the cylinder rod (Fig. 44).



- Fit the guards over the cutters and outer skid (C, Fig. 60).
- From the tractor, pull the rope (S, Fig. 45) to disable the bracket (T, Fig. 45) and operate the hydraulic distributor to fully raise the cutter bar.
- Sicure it with the hooking tie rod.

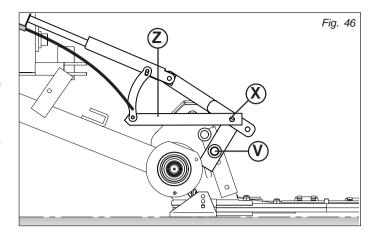




Mowing on flat ground (or ground with small depressions)

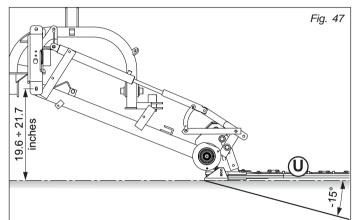
For mowing operations on level ground, couple the lever mechanisms (V and Z, Fig. 46) in position (X, Fig. 46).

Lastly insert the lifting device as described in the previous paragraph.

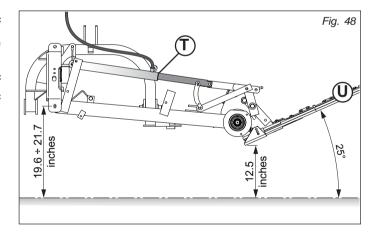


With the rapid lifting device engaged, the bar (U, Fig. 47) has a negative inclination of -15° with respect to the horizontal plane during mowing, and a positive inclination that varies according to the lie of the land.

This system has been devised for mowing quickly and safely on flat ground or ground with small depressions.

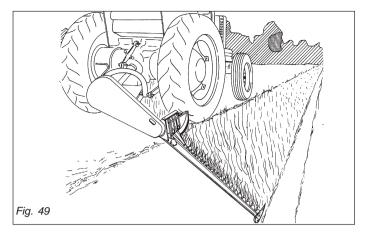


The operation of the lifting device up to the stop of the bracket on the cylinder (T, Fig. 48) allows the equipment to be raised by approx. 12.5 inches from the ground and, at the same time, an inclination of the blade (U, Fig. 48) of + 25°, so that the end of field maneuvers can be carried out.



Mowing on slopes

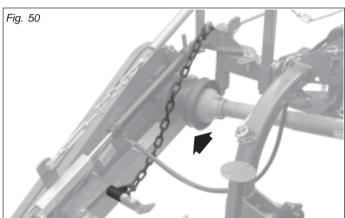
Figure 49 show type of mowing on sloping ground (banks, canals, etc.).





CAUTION: For mowing on surfaces that are not parallel to the tractor plane, we recommend removing the moving guide from the outer mowing bar support.

To mount pulling of Figure 50 in order to improve the excursion and use of the sickle bar.



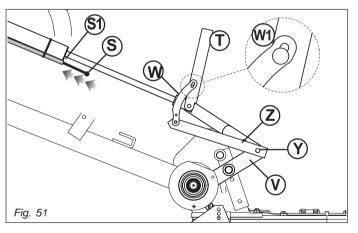
Only for mowing on sloping ground, it is necessary to prepare the machine according to the instructions given below:

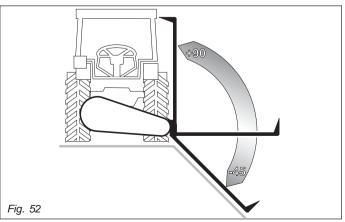
- 1) Move the lever mechanisms (V and Z, Fig. 51) to position (Y).
- 2) Lift the bracket (T) as shown in Figure 42, and lock it with the rod (W) in the lower position of the slot (ref. W1, Fig. 51).
- To avoid unpleasant problems during movement of the cutter bar, detach the steel cable (S) from the rod (W) and retrieve it up to position (S1).

In this way the bar can be adjusted with the hydraulic cylinder to mow at different angles: from -45° to +90° with respect to the horizontal plane formed by the tractor (Fig. 52).

IMPORTANT:

The sickle bar can operates in each position between -45° to +90°.

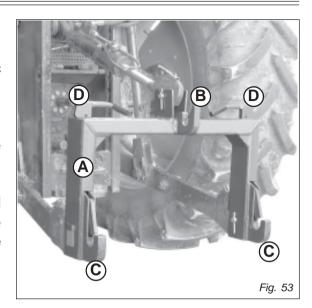




Quick Coupler

The Quick Coupler must be used only with hydraulic lifting system.

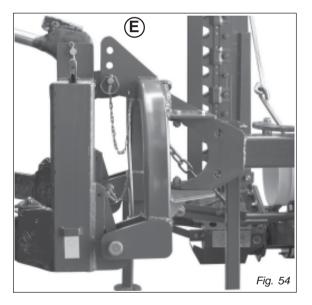
- 1) Install hitch Quick Coupler (A, Fig. 53) on the tractor (see tractor operator manual).
- 2) Parking the sickle bar on a flat and compact ground supported by the relative supports. Then slowly move the tractor back until the Quick Coupler (A) is in range with the point hitches (B and C, Fig. 53).
- 3) Raise the Quick Coupler (A, Fig. 53) and make sure that sickle bar hitch is in the right position (E, Fig. 54).





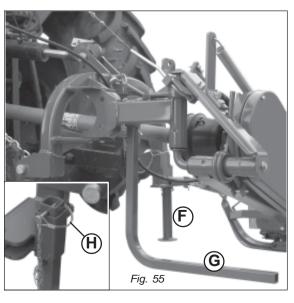
CAUTION: Before you work around hitch:

- STOP engine.
- LOCK park brake.
- FIRMLY block mower on horizontal surface.



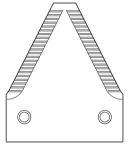
Removing sickle bar mower with Quick Coupler

- 1. Raise sickle bar.
- 2. Put parking stand (F and G, Fig. 55) in the DOWN position: install spring locking pin in order to secure parking stand (H, Fig. 55).
- 3. Lower sickle bar to the ground.
- 4. Raise the two Quick Coupler levers (D, Fig. 53) to unloch sickle bar.
- 5. Lower Quick Coupler till further free the sickle bar.



How to choose between sickle bars

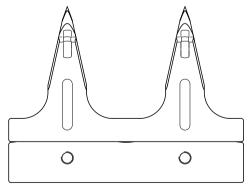
TYPE OF THE GROUND		TYPE OF THE FORAGE			
		Dry and lignificated (gramineae)	Humid, packed and low (cat coat)	Humid and packed (Lucerne-Clover)	Big and high (forage of the sorghum, corn)
Level	Normal	DSS - SD/SN	DSS - SD	DSS - SN	DSS - SN
Le	Stny field	DSS - SD/SN	DSS - SD	DSS - SN	DSS - SN
≣	Normal	DSS - SD/SN	DSS - SD	DSS - SN	DSS - SN
_	Stny field	DSS - SD/SN	DSS - SD	DSS - SN	DSS - SN
Mountain	Normal	DSS - SD/SN	DSS - SD	DSS - SN	DSS - SN
Mor	Stny field	DSS - SD/SN	DSS - SD	DSS - SN	DSS - SN



Normal Section (SN)



Self sharping double section (SD)



Replaceable Normal tooth (DSS)

SERVICE MACHINE SAFETLY

Practice safe maintenance

- Understand service procedure before doing work. Keep area clean and dry. To avoid ...
- 7
- Never lubricate, service, or adjust machine while it is moving. Keep safety devices in place and in working condition. Keep hardware tight.
- To prevent from getting caught, keep hands, feet, clothing, jewelry, and long hair away from any moving parts.
- Before servicing machine, lower it to the ground. Disengage all power and stop the vehicle engine. Lock vehicle park brake and remove the key.
- Securely support any machine elements that must be raised for maintenance.
- Keep all parts in good condition and properly installed. Fix damage immediately. Replace worn or broken parts. Remove any buildup of grease, oil, or debris.
- Unauthorized modifications to the machine may impair its function and safety.

Wear appropriate clothing

- Wear close fitting clothing and safety equipment appropriate for the job.
- Loud noise can cause impairment or loss of hearing, wear a suitable protective device such as earplugs.
- Do not wear radio or music headphones while servicing the machine. Safe servicing requires your full attention.



Stay clear of rotating PTO shaft

Entanglement in rotating driveline can cause serious injury or death:

Stop the engine and be sure PTO shaft is stopped before getting near it.



Maintenance

Various servicing operations are listed in the following paragraphs. Lower running costs and longer machine life depend on constant and methodical compliance with these operations.

During work and maintenance operations, use suitable personal protective gear:



CAUTION

- The given frequencies are indicative and refer to normal conditions of use. They may therefore
 be subject to variations in relation to the type of service, a more or less dusty environment,
 seasonal factors, etc.
- In the case of heavy-duty conditions, the maintenance operations should obviously be more frequent.
- Before injecting grease into the lubricators, the greasing points must be thoroughly cleaned to prevent mud, dust or foreign bodies from mixing with the lubricant, thus reducing lubricating effect.



ATTENTION

It is absolutely essential to disengage the tractor pto, lower the mowing machine, switch off the tractor, ensure that this is at a complete standstill and remove the key before servicing, adjusting the implement for work. All assembly operations must be carried out on a work bench.

- Always keep oils and greases well away from children's reach.
- Always thoroughly read the warnings and precautions indicated on the containers.
- · Avoid contact with the skin.
- Always thoroughly and fully wash after use.
- The utilized oils should be treated in compliance with the current laws in force.

SERVICE MACHINE SAFETLY

- Do not proceed with maintenance and cleaning if the power take-off has not been disconnected first, the engine power off, the hand brake pulled and the tractor blocked with a wooden block or stone of the right size under the wheels.
- Periodically check that the bolts and nuts are tight, and if necessary tighten them again. For this it would be advisable to use a torque wrench, respecting the values of 52 Nm for M10 bolts, resistance class 8.8, and 143 Nm for M14 bolts resistance class 8.8 (Table 1: **Bolts tightening torques**).
- During assembling, maintenance, cleaning, fitting, etc., with the mowing machine raised, place adequate supports under the equipment as a precaution.
- The spare parts must correspond to the manufacturer's specifications. **Use only original spares**.

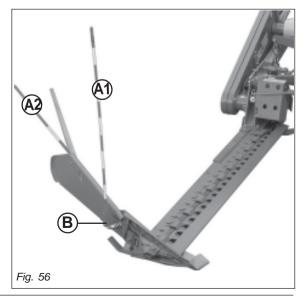
Bolts tightening torques - settings given in Nm (lb-ft)

(Table 1)

Fine pitch screws (metric)	CLASS			
	6.6	8.8	10.9	12.9
M8 x 1	15 (11)	26 (19)	36 (26.5)	44 (32.5)
M10 x 1.25	30 (22)	52 (38)	74 (54)	88 (65)
M12 x 1.25	51 (37.5)	91 (67)	127 (94)	153 (113)
M14 x 1.5	81 (60)	143 (105)	201 (148)	241 (178)
M16 x 1.5	120 (88)	214 (158)	301 (222)	361 (266)
M18 x 1.5	173 (127)	308 (227)	433 (319)	520 (384)
M20 x 1.5	242 (178)	431 (318)	606 (447)	727 (536)
M22 x 1.5	321 (237)	571 (421)	803 (592)	964 (711)
M24 x 2	411 (303)	731 (539)	1028 (758)	1234 (910)
M27 x 2	601 (443)	1070 (790)	1504 (1110)	1806 (1333)
M30 x 2	832 (614)	1480 (1090)	2081 (1535)	2498 (1843)

Hazard bar

The hazard bar has been included with the equipment of the machine for safety reasons, to indicate the space occupied by the mower at work. For working, position the hazard bar in position (A1, Fig. 56) and lock it in place with the screw (B). For transport put it in position (A2).



Lubrification

WARNING: • Firmly block sickle bar on horizontal surface.



- Always keep oils and greases well away from children's reach.
- Always thoroughly read the warnings and precautions indicated on the containers. Avoid contact with the skin.
- Always thoroughly and fully wash after use. The utilized oils should be treated in compliance with the current anti-pollution laws.

Routine maintenance

• During the first working hours, check that the screws are tight (Fig. 67).

Every 8 work hours

- Grease points (A and B, Fig. 57).
- Grease the cardan shaft and its telescoping parts.
- Adjust belt tension periodically by adjusting nut (A, Fig. 58). Check tension via the viewing panel on the belt guard.
 Belt slack must not exceed 1 inch. It is essential to close the inspection hatch with the relative lid after the belts have been examined.

B GREASE Fig. 57

Every 50 work hours

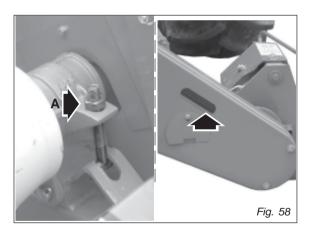
• Check the tightness of the connecting rod bolts regularly (Fig. 59).

Periodically (6 months)

• Grease point (A and B, Fig. 57).

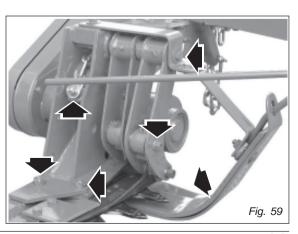
After each mowing

 Clean and oil the mowing bar blades according to the instructions in the chapter entitled: "Cleaning and oiling the cutters".



Lubricants

- It is advisable to use SAE 85W/140 OIL or equivalent for the reduction unit (or gear box) and side transmission.
- It is advisable to use GR MU EP 2 GREASE or equivalent for all greasing points.



Cleaning and oiling the sickle bar

DANGER

Cleaning and oiling are very dangerous operations. Always comply with the following instructions:

- Lift the implement by means of the lift links in a flat place where it cannot slip;
- Operate the mowing bar, checking that there are no persons or animals in the vicinity;
- Brake the tractor and make sure it is unable to move:
- Wash the sickle bar with a jet of pressurized water, standing at least one and a half meters away from the implement;
- Switch off the tractor, remove the starter key and disengage the pto;
- Check the condition of the cutters;
- When the mowing bar is dry, oil the cutters with very viscous oil;
- Operate the sickle bar for a few seconds, checking that there are no persons or animals in the vicinity;
- Switch off the tractor, remove the starter key and disengage the pto;
- Fit the guards over the cutters and outer skid (C, Fig. 60)

Each start of season

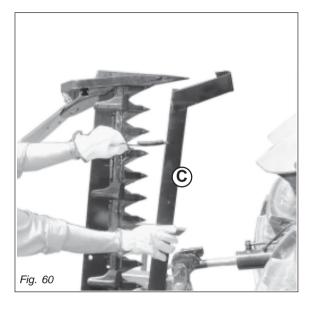
At the start of each season it is important to check that the connection between the tooth-holding bar (D, Fig. 61) and the blade guide (E) is correct.

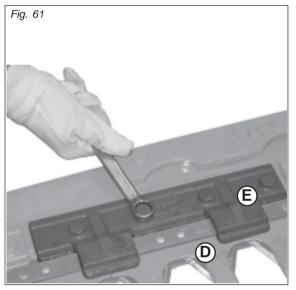
After many hours of work, wear of the blade guide material may be seen, and this will cause an increase in the coupling tolerance with the tooth blade.

It is therefore advisable to restore the correct tolerance:

- unscrew the blade guide (Fig. 61);
- remove one or more shims (Fig. 62);
- put the blade guide back in the same position.

IMPORTANT: When replacing the teeth or the toothholding bar, carry out the check described above. When required, put back the shims to avoid striping or damage.





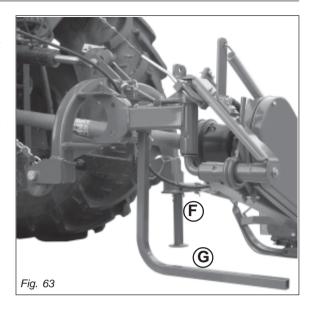


Storage

It is advisable to proceed in the following way at the end of the season or if the machine is to remain inactive for a long period of time:

- Treat the implement in compliance with the instructions given in the chapter entitled: "Cleaning and oiling the cutters".
- Carefully check for any damaged or worn parts and replace these as necessary.
- Fully torque all screws and bolts.
- Apply a little lubricant to the unpainted parts.
- Protect the entire implement with a cover.
- Lastly, store the implement in a dry place where it cannot be tampered with by unauthorized persons; the mowing machine must be set-up on flat and compact ground, supported by the relative supports (F and G, Fig. 63).

Careful compliance with these instructions will be all to the advantage of the user who will be sure to use an implement in perfect conditions when work begins again.

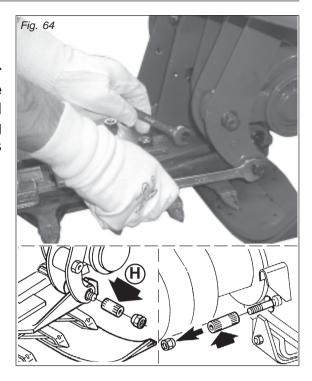


Extra maintenance



ATTENTION

It is absolutely essential to disengage the tractor pto, lower the mowing machine, switch off the tractor, ensure that this is at a complete standstill and remove the key before servicing, adjusting the implement for work. All assembly operations must be carried out on a work bench.

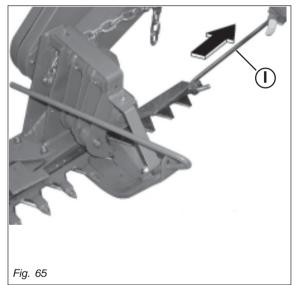


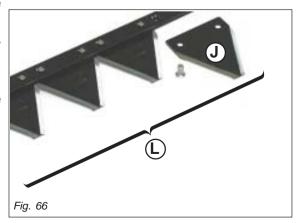
Replacement of section-holding bar (L, Fig. 66)

- With the implement resting on the ground, open the mowing bar.
- Remove the expansion pin (H, Fig. 64) and pull out the section-holding bar (Fig. 65) with the hooking tie rod (I Fig. 65).
- Insert the new section-holding bar and lock it in place with the expansion pin. Lubricate the cutters with very viscous oil during the assembly phase.

Replacement of sections (J, fig. 66)

- With the implement resting on the ground, open the mowing bar.
- Remove the expansion pin (H, Fig. 64) and slide out the section-holding bar (Fig. 65).
- Remove the damaged section using a pin punch (7, Fig. 4 on page 6).
- Rivet a new section with the rivets provided (J, Fig. 66).
- Insert the section-holding bar and lock it in place with the expansion pin.







ATTENTION

It is absolutely essential to disengage the tractor pto, lower the mowing machine, switch off the tractor, ensure that this is at a complete standstill and remove the key before servicing, adjusting the implement for work. All assembly operations must be carried out on a work bench.

Replacement of bar holding removable tooth

- With the implement resting on the ground, raise the mowing bar and secure it with the hooking tie rod.
- Unscrew all the tooth fastening screws (Fig. 67).
- Remove all the teeth (Fig. 68).
- Remove the expansion pin and slide out the bar.
- Insert the new tooth-holding bar and lock it in place with the expansion pin.
- Reposition the teeth and fasten them with the screws.

Replacement of removable tooth

- With the implement resting on the ground, raise the mowing bar and secure it with the hooking tie rod.
- Unscrew the screws of the tooth to be replaced (Fig. 67).
- Slide out the tooth (Fig. 68), put in the new one and lock it in place with the screws. For this it would be advisable to use a torque wrench, respecting the values of 30 Nm.

Replacement of belts

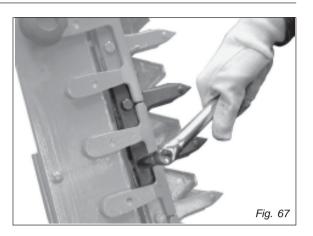
- Unscrew the screws (O, Fig. 69) and remove the protective casing.
- Loosen the belt tensioner completely (P, Fig. 69).
- Replace the worn belts with new ones.
- Put these at the optimum tension using the belt tensioner.
 Belt play should not exceed 1 inch.
- Put the protective casing back in position and fix it in place with the screws (O, Fig. 69).

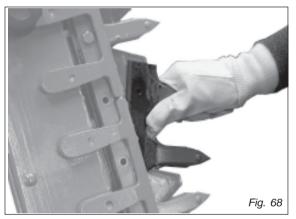
Replacement of pulleys

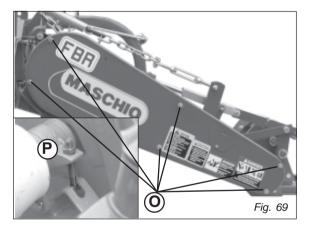
Notes for replacement of pulleys, if necessary.

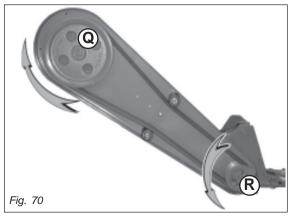
- Unscrew the screws (O, Fig. 69) and remove the protective casing.
- Loosen the belt tensioner completely (P, Fig. 69).
- · Remove the belts.

To replace the driving pulley (Q, Fig. 70), turn it clockwise; viceversa, turn the driven pulley (R, Fig. 70) counterclockwise.



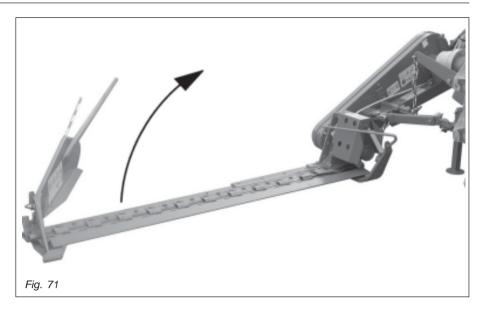






TRANSPORT ON THE ROAD

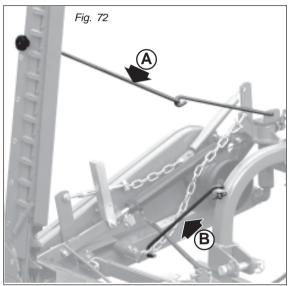
Transport on road

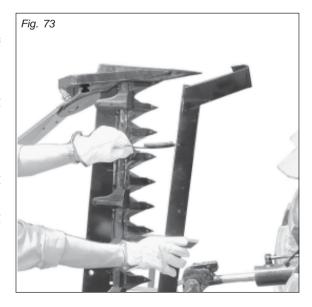


For transport, adjust and fix the chains of the side lifting arms of the tractor; lift the mowing bar (Fig. 71); secure it with the hooking tie rod (A, Fig. 72); slide in the safety hook (B, Fig. 72); cover the cutting blades and the outer mowing bar support with the guards provided (Fig. 73); lift the implement; put the hydraulic lifting command lever in the locked position.

Transport on Road

- When driving on public roads, be sure to follow the highway code of the country involved.
- Any transport accessories must be provided with suitable signs and guards.
- It is very important to remember that road holding capacity as well as direction and braking capacity can be influenced, sometimes con-siderably, by equipment being either carried or towed.
- When negotiating curves, be aware of the variation in centrifugal force exerted in a position other than that of the center of gravity, with and without the equipment in tow. Also pay greater attention on sloping roads or ground.
- For displacements beyond the work area, the equipment must be placed in the transportation position.
- When the dimensions of carried or partially-carried equipment conceal the tractor's signalling and lighting devices, these must also be installed on the equipment itself, in conformity with regulations of the highway code of the country involved. When in operation make sure that the lighting system is in perfect working order.





DEMOLITION AND DISPOSAL

Demolition and disposal

This operation is to be carried out by the customer.

Before demolishing the machine, you are advised to carefully check its physical condition and ascertain whether there are any parts of the structure that may be susceptible to structural collapse or breakage during demolition.

The customer should operate in compliance with the environment protection laws in force in his/her country.



CAUTION

The machine demolition operations should be carried out by skilled personnel only, equipped with suitable protective clothing (safety footwear and gloves) and auxiliary tools and equipment. All the disassembly operations for demolition should be carried out with the machine stopped and detached from the tractor.

Before demolishing the machine, you are advised to render harmless all the parts that may be a source of danger and therefore:

- · scrap the structure using specialized firms,
- remove any electrical apparatus according to the laws in force,
- collect oils and greases separately, to be disposed of through specialized firms, in accordance with the regulations of the country in which the machine was used.

When the machine is demolished the identification label must be destroyed together with this manual.

ASSEMBLY

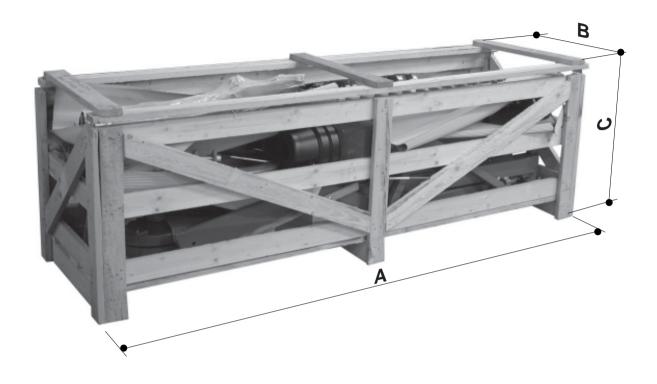
Foreword

This chapter describes the phases involved in assembling a crated mower. When handling and assembling the unit, and subsequently during use and maintenance, always use suitable personal protection devices (A): always wear suitable clothing and the indicated protections. See the operating manual supplied with the unit for indication of the symbols used in this manual. When handling the unit, lift it by hooking up the special attachments and using a suitable hoist or crane rated for the weight of the unit. This operation is quite dangerous and must only be performed by prepared, responsible personnel. The machine weight is indicated on the ID label. The hook-up points are identified by the "hook" symbol (B). When moving the unit, make certain that all protections and safety devices are in place.



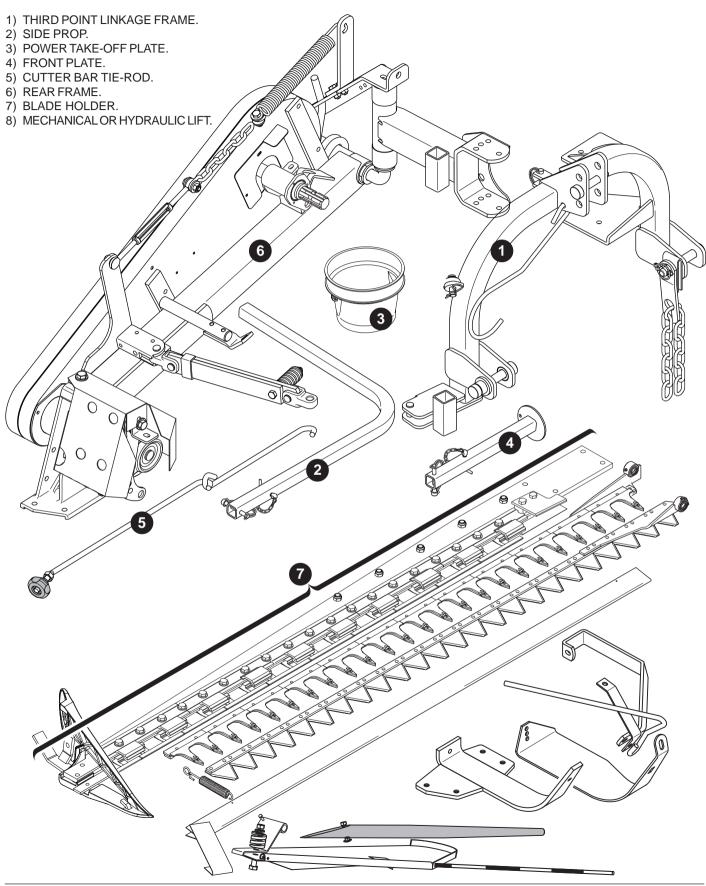


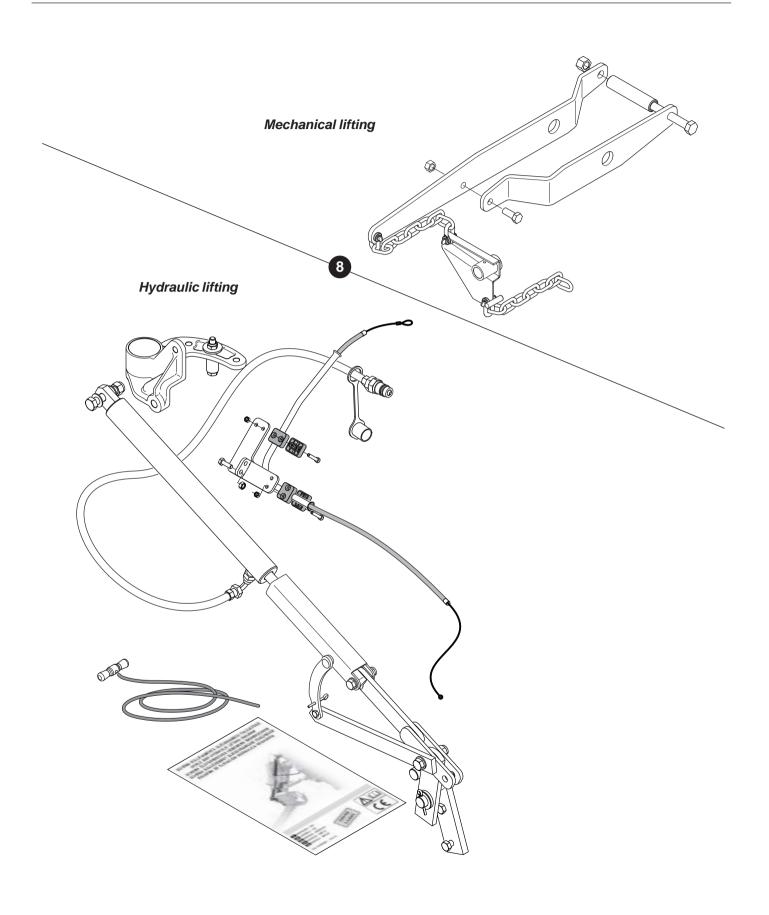
Dimensions and weight

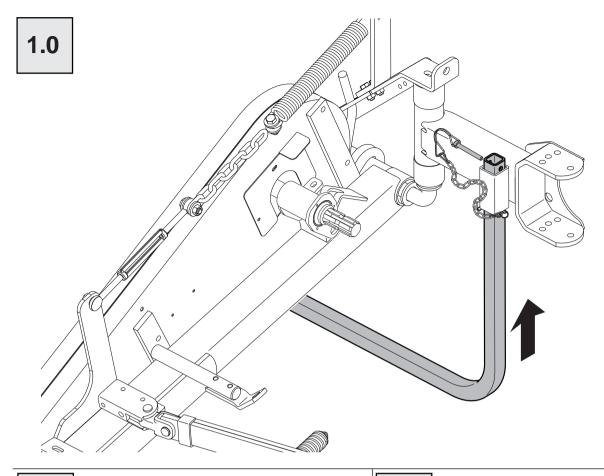


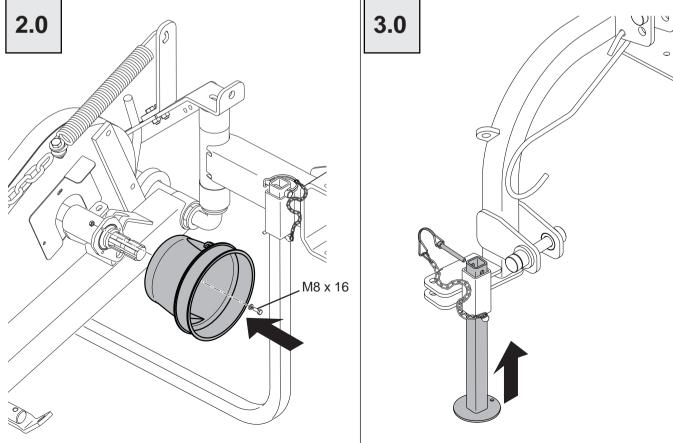
TYPE	A (cm - inch)	B (cm - <i>inch</i>)	C (cm - <i>inch</i>)	(kg - <i>lb</i>)
FBR <i>Plus</i> 175 (X2)	234 - 92	70 - 27.5	74 - 29	520 - <i>1145</i>
FBR <i>Plus</i> 205 (X2)	234 - 92	70 - 27.5	74 - 29	560 - <i>1235</i>
FBR <i>Plus</i> 235 (X2)	275 - 108	73 - 28.7	72,5 - 28.5	600 - <i>1320</i>
FBR <i>Plus</i> 175 (X5)	234 - 92	140 - <i>55</i>	100 - 39	1200 - <i>2640</i>
FBR <i>Plus</i> 205 (X5)	234 - 92	140 - <i>55</i>	100 - 39	1300 - <i>2860</i>
FBR <i>Plus</i> 235 (X5)	234 - 92	140 - <i>55</i>	100 - 39	1400 - 3085

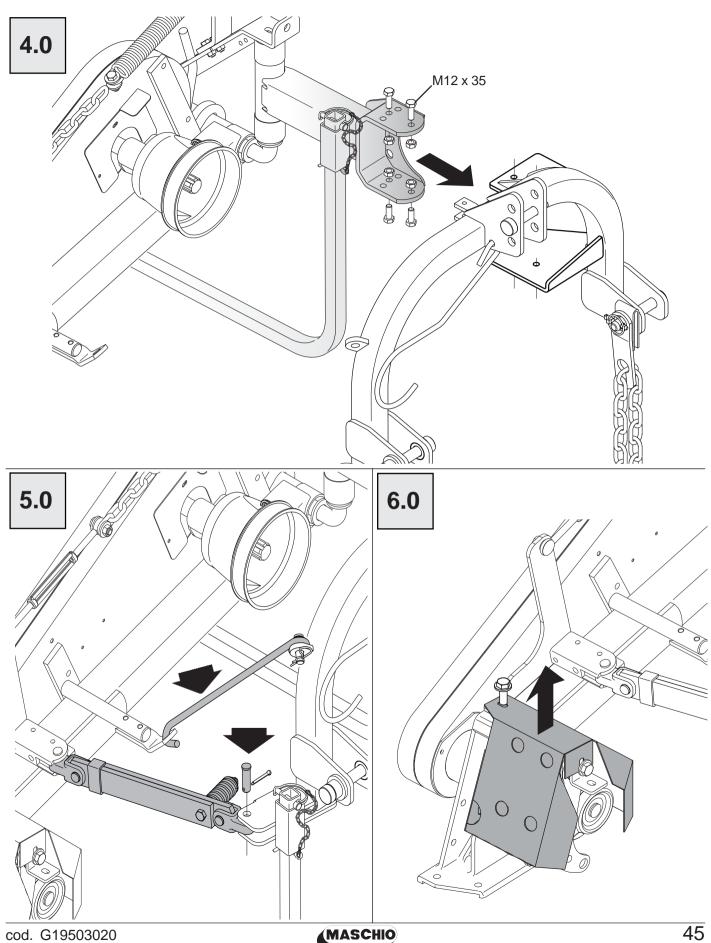
Sickle bar components

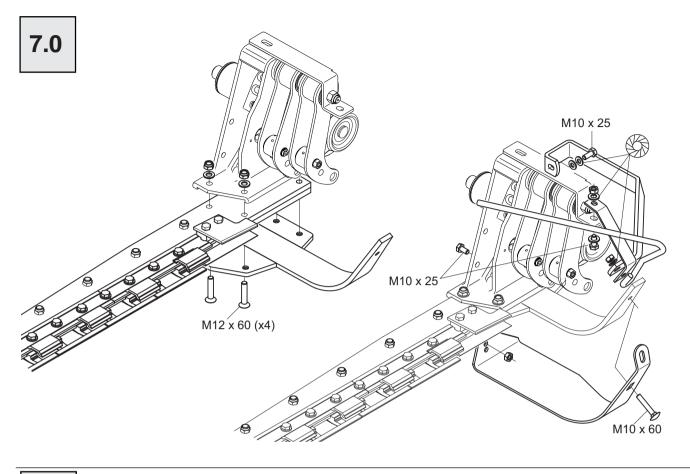


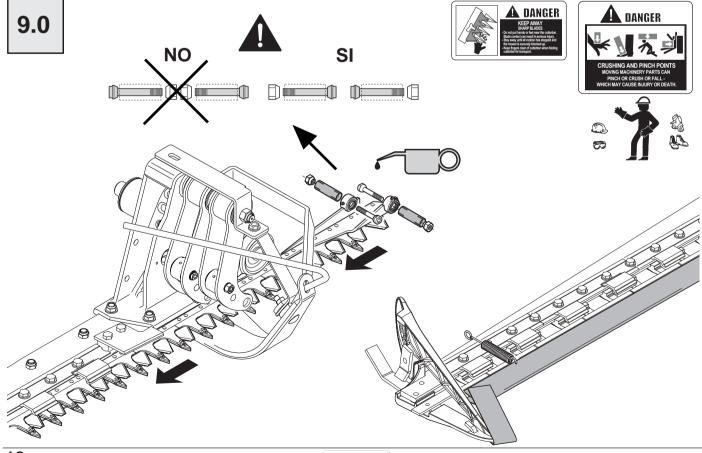


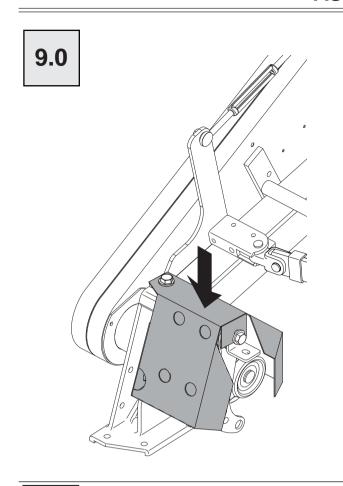




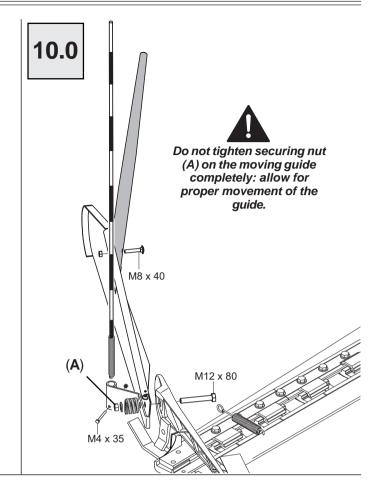


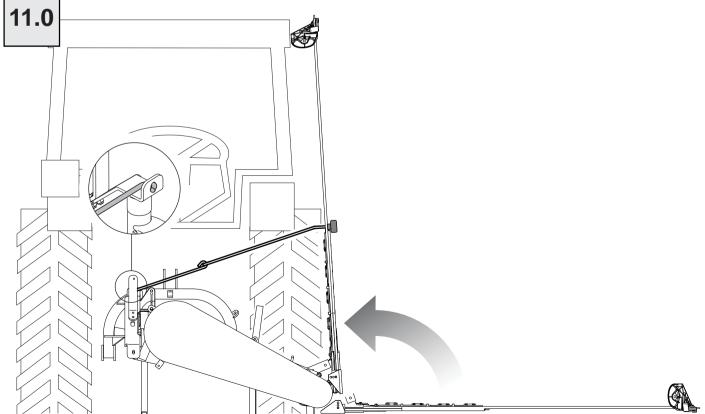






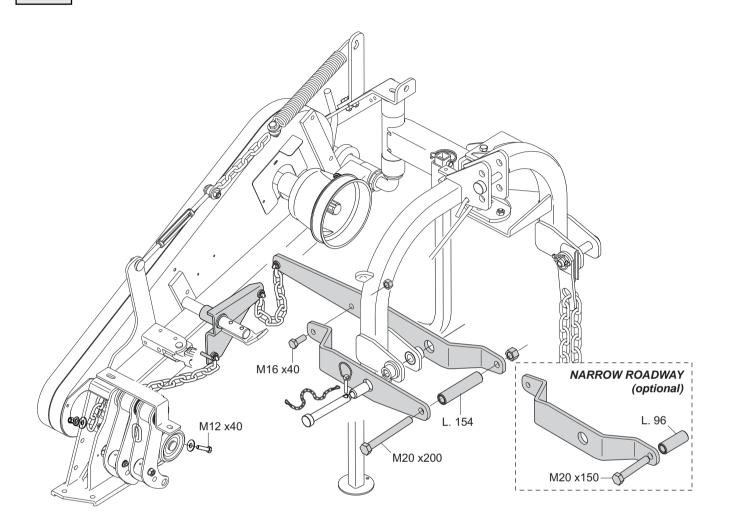
cod. G19503020





47

11.0



Spare parts

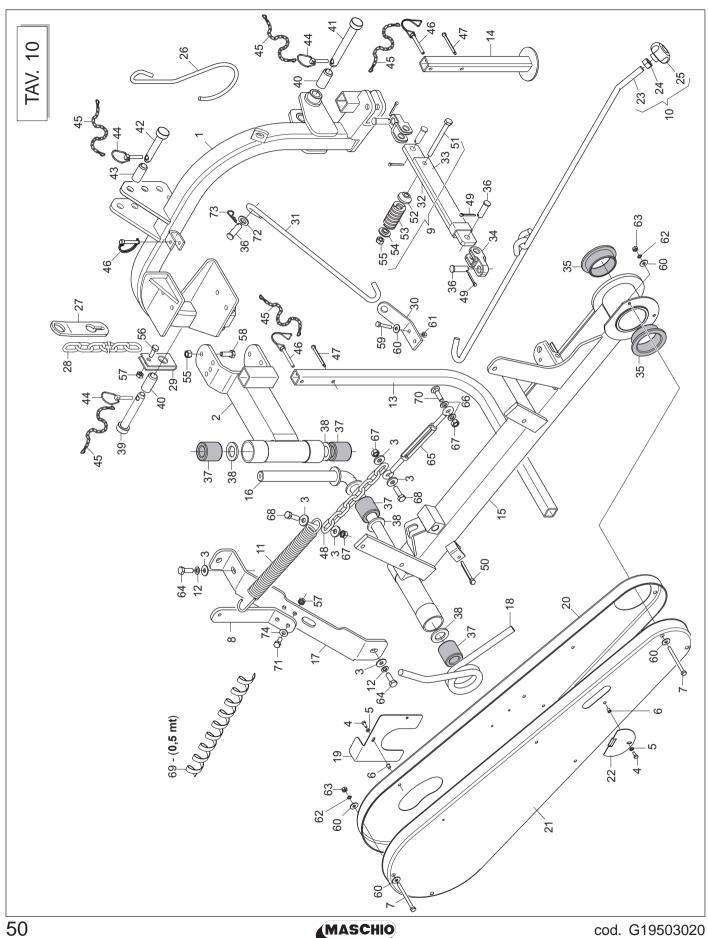
Orders must be transmitted through our area dealers and should always include the following indications:

- Type, model and serial number of the machine. These data are punched on the data plate with which every implement is equipped.
- Code number of the required spare part. This will be found in the spare parts catalogue.
- Description of the part and required quantity.
- Means of dispatch. If this item is not indicated, the Manufacturer, while dedicating particular care to
 this service, shall not be held responsible for delays in delivery caused by cases of force majeure.
 Transport expenses shall always be at the consignee's charge. The goods travel at the purchaser's
 risk and peril even when sold ex destination.

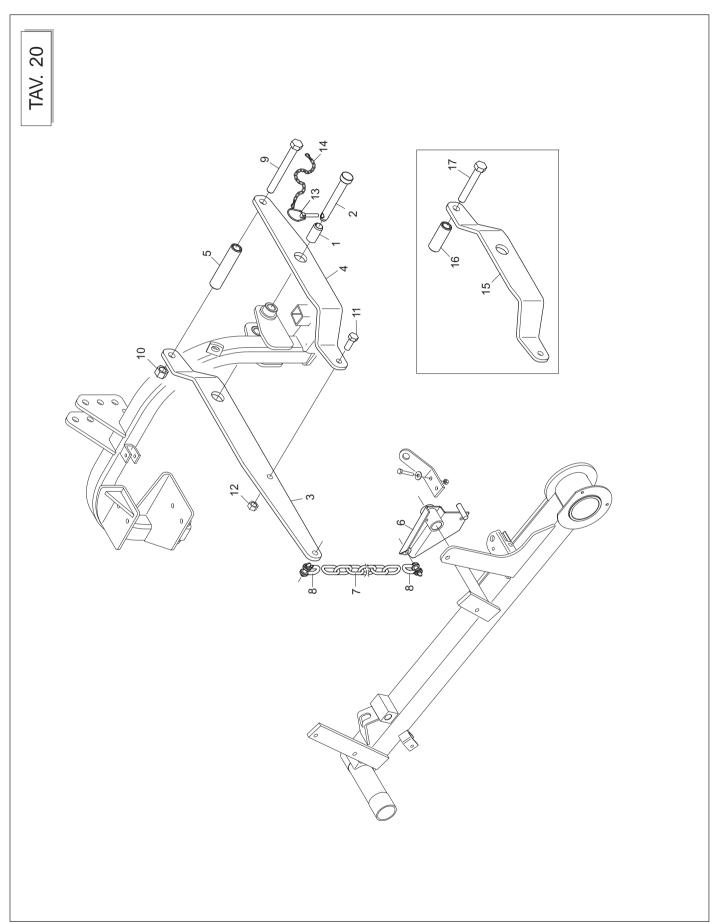
NOTE: The terms Right or Left indicated in the descriptions refer to the implement when viewed from the rear side.

Table index

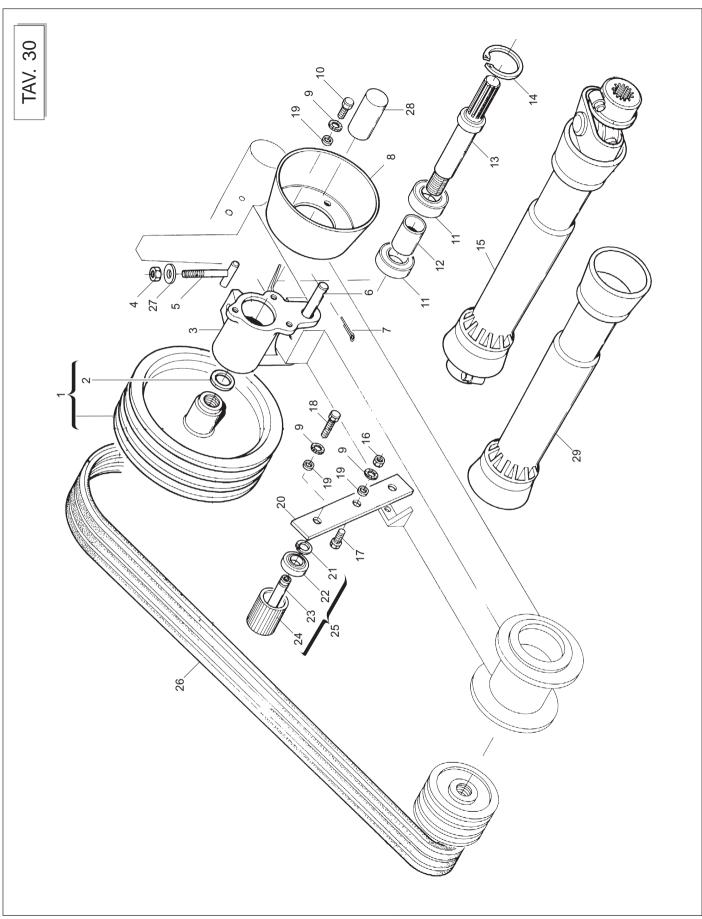
Frame	Tav. 10 pag. 50
Mechanical lifting system	Tav. 20 pag. 52
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Hinge	Tav. 40 pag. 56
Blade holder	Tav. 50 pag. 58
Cutting blade	Tav. 60 pag. 60
Hydraulic lifting system	Tav. 70 pag. 62



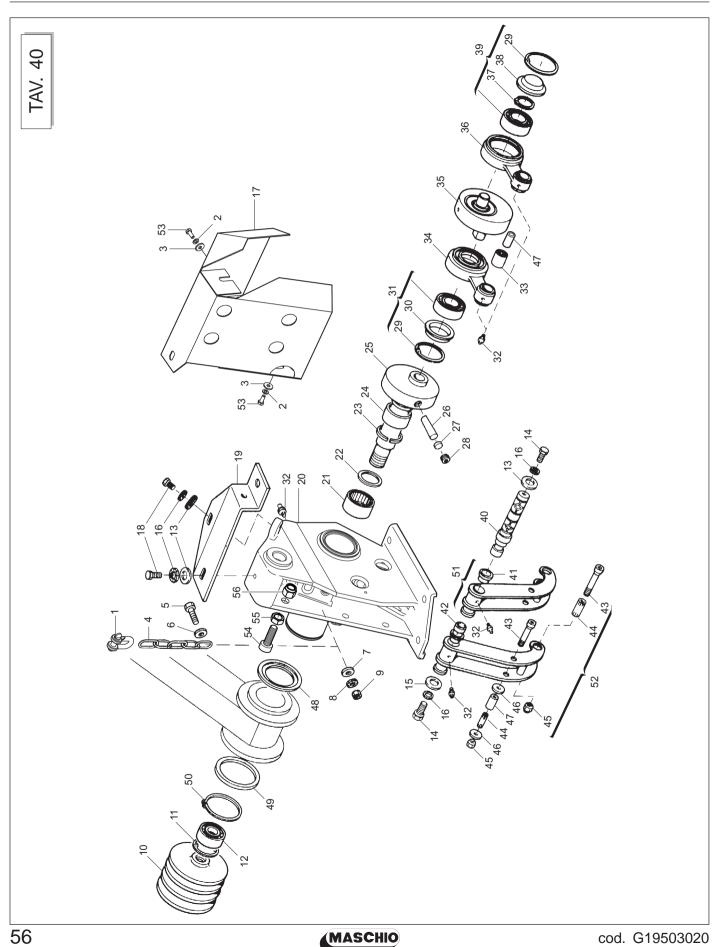
208 - 2 8 4 5 C	Cod.	Description	2	Pos Cod	
- 0 E 4 G (C12217592		JON.	5	Description
7 W 4 LG (014411004	FBR FRAME	38	G20970067	WASHER 54X5X32
ω 4 το (G12217821	JOINT	39	F20100047	PIN
4 73 (G20970035	WASHER 32X4X13	40	G21010042	BUSHING 12. POINT
2	F01020403	BOLT M 6X16	41	F20100115	GASPARDO PIN 22X144 ZN
(F01410037	PLANE WASHER D.6	42	F20100035	PIN
 	F02250680	THREADED INSERT M6X13 ZN	43	G12217660	THIRD POINT BUSH
_	F01020092	BOLT 8 X110 5737 8.G GALVANIZ.	44	F02200507	SNAP PIN D 9 B/83
8	G12219140	SPRING COUPLING PLATE	45	G13812311	CHAIN WITH SPRING CATCH
6	G12218170	TRIP TIE-ROD	46	F02200562	SPLIT PIN D.8X70 ZB
10	G12219200	CUTTER BAR TIE ROD	47	F02200272	SPLIT PIN 10 X60 1336 GALVAN.
7	G16214150	SPRING	48	G12219180	CHAIN L.255
12	F01430071	WASHER D12 DIN 6798 D.INT.ZN	49	F02200195	SPLIT PIN 4 X25 1336 GALVAN.
13	G12217810	PROP TUBE	20	F02200260	SPLIT PIN 8 X60 1336 GALVAN.
4	G12217650	FRONT PROP	21	F01020176	BOLT M 12X130
15	G12217801	HINGE BEARING ARM	52	G21120301	CONE DISCONNECT FB940
16	G21030010	ARMARTICULATION	53	F02400013	SPRING G 38X75 SPECIAL SPRINGS
17	G12218190	JOINT ELEMENT	54	G22310047	REAR ARM BUSHING DP
18	G21120319	HINGE ARM SPRING FB940	22	F01230058	SELF LOCKING NUT M12X1,25
19	G12236471	DRIVEN AXLE PULLY PROTECTION	26	F01020476	BOLT M 10X30
20	G21120215	INNERPROTECTION CASE FB/S	22	F01220033	NUT M10X 1,5 D980 8 ZB
21	G21120216	OUTERPROTECTION CASE FB/S	28	F01020512	SCREW M 12X35
22	G21120217	INSPECTION OPENING COVER-GUARD	29	F01020072	BOLT M 8X1,25X50 U5737 8.8 ZG
23	G12219160	TIE ROD	09	G20970140	WASHER 20X2X8,5
24	F01200306	NUT M14X2	61	F01230034	SELF LOCKING NUT M8X1,25
25	F06220023	4-LOBE HANDWHEEL M14	62	F01430059	WASHER D8 DIN 6798 D.INT.ZN
26	F20120400	SHAFT HOOK	63	F01200244	NUT M8
27	G21030007	TRACTOR COUPLING PLATE	64	F01020510	BOLT M 12X30
28	G21030035	CHAIN L.900	65	F02250708	TIE-ROD 2-EYES M12 GALVANIZED
29	G21030034	FRAME COUPLING	99	F01410076	PLANE WASHER D12 UNI 6592 ZN
30	G21120308	SAFETY HOOK COUPLING	29	F01220048	SELF LOCKING NUT M12X1,75 980V
31	G12217440	HOOKATTACHMENT FRAME	89	F01020152	BOLT M12X1,75X 40 5737 8.8 ZB
32	G12218160	SLIDING ROD	69	F05150484	SPIRAL GUARD D.27-32
33	G12217761	SNAP TIE ROD GUIDE	20	F01060120	BOLT 12X40 U5732 8.8 ZN
34	G12217950	FORK FOR TRIP TIE-ROD	71	F01020479	BOLT M 10X35
35	G66248064	HINGE ARM BUSHING FB.	72	F01410100	PLANE WASHER D16 UNI 6592 ZN
36	F20100504	U BOLT PIN D.16X45	73	F02200363	SPLIT PIN R 3X62
37	G21030027	RUBBER BLOCKS	74	F01420060	WASHER 10,5X30



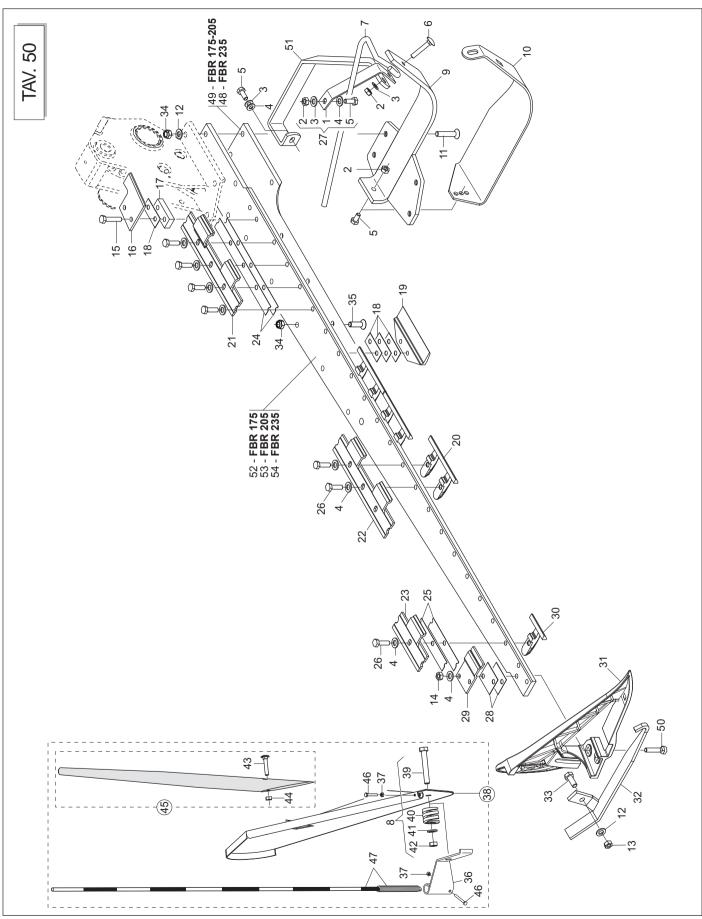
	MECHANIC,	MECHANICAL LIFTING SYSTEM			TAV. 20	20
Ä	Pos. Cod.	Description	Pos.	Cod.	Description	
		BUSHING 12. POINT				
Ω (f	E F20100115 G12217600	GASPARDO PIN 22X144 ZN I ONG ARM				
) 4		SHORTARM				
2		ARM SPACER				
9	3 G21120006	LIFTER ROCKER				
	7 G21120007	ARM SIDE CHAIN L.600				
∞	3 F02250667	CLEVIS- 3/8- GALVANISED- ART.				
رن	9 F01020323	SCREW M20X200 U5737 8.8 ZB				
_	10 F01220092	SELF LOCKING NUT M20X2,5 980V				
_	11 F01020566	BOLT M16X2X40				
_	12 F01220266	NUT M16X 2 D980 8 ZG				
_	13 F02200507	SNAP PIN D 9 B/83				
	14 G13812311	CHAIN WITH SPRING CATCH				
_	15 G12217970	NARROW ROADWAY ARM				
_		ARM SPACER				
	17 F01020317	BOLT M20X2,5X150				



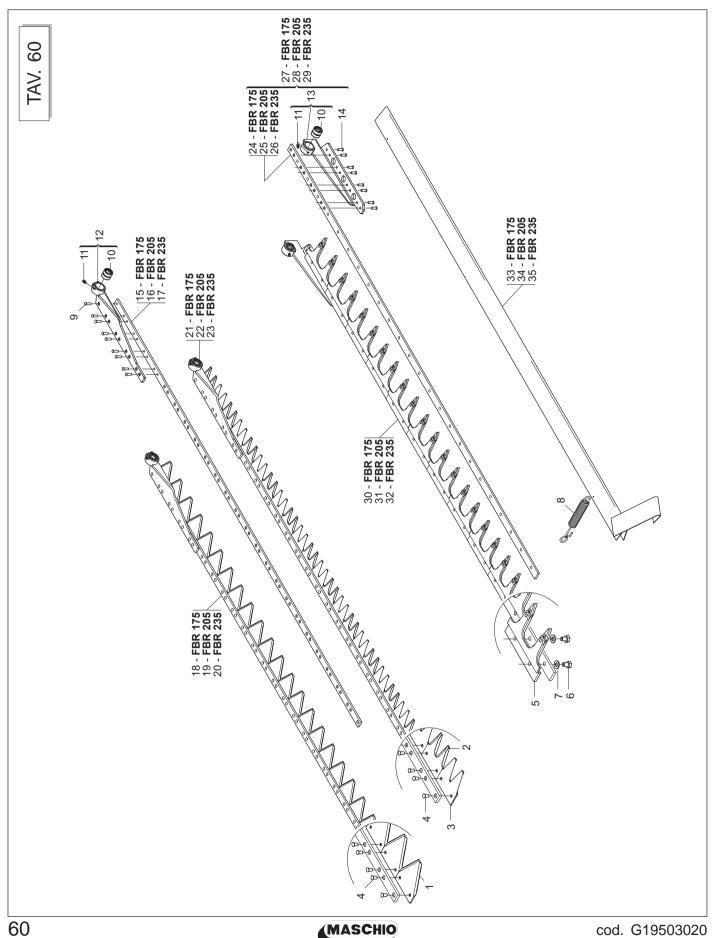
N S S S S S S S S S S S S S S S S S S S			IAV. 30
Description	Pos.	Cod.	Description
3 GROOVE DRIVING PULLEY			
WASHER 48X3X30-5			
PTO SUPPORT			
NUT M14X2			
BELT REGISTER ASSY. FB940			
INTERM. TRANSM. SUPP. PIN			
SPLIT PIN 5 X30 1336 GALVAN.			
POWER TAKE-OFF PROTECTION HOUS			
WASHER D8 DIN 6798 D.INT.ZN			
BOLT M 8X16			
BEARING 6206 2RS			
SPACER			
POWER TAKE-OFF FB			
SEEGER RING E. 62X 2 U7437 C70			
UNIVERSAL JOINT B3 1200 AM			
NUT M8			
BOLT 8 X35 5732 4.6 GALVANIZED			
BOLT M8 X25 5739 8.8 ZN			
WASHER 20X2X8,5			
BELT TIGHTENER ROLLERS SUPPORT			
SEEGER RING E. 17X 1 U7435 C70			
BEARING 6203			
3 GROOVE P.TIGHTEN. PIN			
BELT TIGHTENER L.70 FB			
TIGHTENER ROLLER 3G. CP			
BELT- B 93			
WAS M14 15X 28X2.5 U6592 7B			
POWER TAKE-OFF PROTECTION HOUS			
SAFETY GUARD AM			



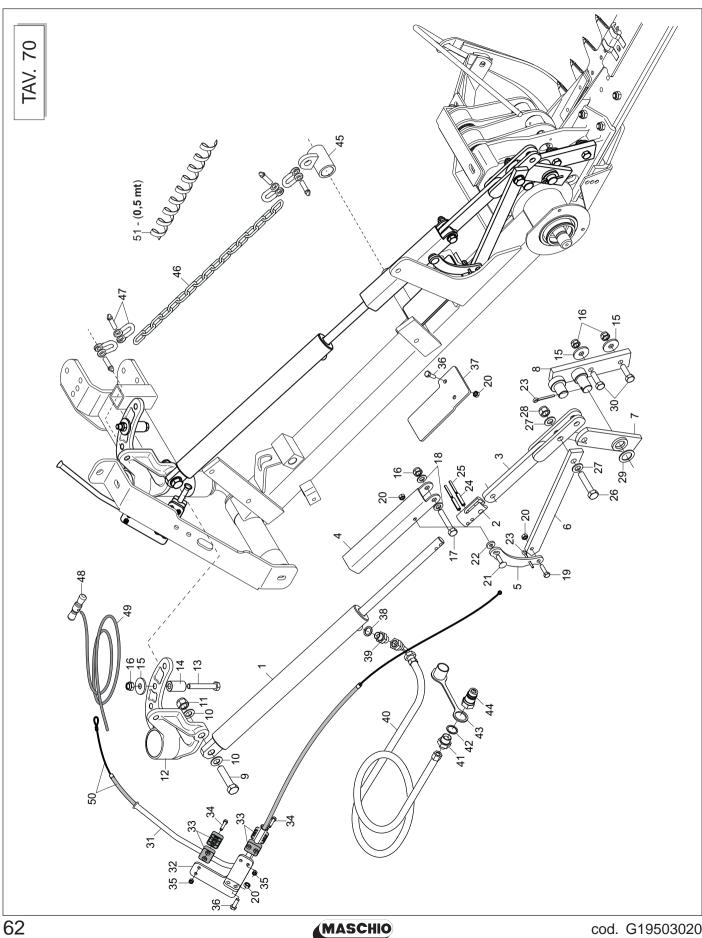
FOZZ50667 CLEVIS -38- GALVANISED-ART. 38 G21120026 FO1430047 WASHER D6 DIN 6738 D.INT.GALV. 39 G21120024 FO1430036 FLAT WASHER D6 DIN 6738 D.INT.GALV. 40 G21120024 G21120007 GASHER 35K8X13 42 G21120027 G20970037 WASHER 32X4X13 42 G21120027 G20970037 WASHER D12 DIN 6738 D.INT.ZN 46 G21120069 F01200293 WASHER D12 DIN 6738 D.INT.ZN 46 G21120076 F01200293 NUT M12 3-GROOVE DRIVEN PULLEY 47 G21120018 F01420069 SEEGER RING E 62X 2 U7437 C70 49 G21120018 F0142006 WASHER 10,6X30 51 G21120013 F0142007 WASHER 10,6X30 52 F01020403 F0142006 WASHER 10,6X30 52 F01020403 F0142007 WASHER 10,6X30 52 F01020403 F0142007 WASHER 10,6X30 52 F01020403 F0142007 WASHER 10,6X30 52 F01020403 G1722860 HI	Pos	HINGE	Description	Pos	Cod	Description	
PUZ20003 WASHER DO BIN RTORAN 30 621120154 F01420036 HANSHER DO BIN RTORAN 30 621120154 F01420036 FLAT WASHER 6-6X 18X2 6593 ZN 40 621120254 F01420036 FLAT WASHER 6-6X 18X2 6593 ZN 40 621120254 G20370007 SCREW 12X40 579 10.9 ZN 41 621120067 F014000528 SCREW 12X40 579 10.9 ZN 42 621120067 G20970075 WASHER DOLD DRIVEN PULLEY 45 621120076 F01200293 SEEGER RING E. 62X 2 U7437 C70 49 621120018 F01200293 SEEGER RING E. 62X 2 U7437 C70 49 621120018 F01400171 BERRING E. 62X 2 U7437 C70 49 621120018 F014002047 BOLT M 10X35 51 621120018 F01400171 BERRING E. 62X 2 U7437 C70 49 621120076 F01400171 BERRING DHK 5025 51 F01000072 F014001903 SHADE SHAFT SUPPORT FB/S 51 F01200072 F014001903 SHADLIDER RING E. FB 62112016 F04100116	,	7000000	Hav and 100 00 00 11 10		024120020		
FOLYZONGA WASHER DIZ DIN OF SERVE SERV	- 0	F04430047	CLEVIS- 3/0- GALVANISED-ANI.	0 0	G21120026	KIT, EXT CONN BOD BEABING EB	
G21120007 ARM SIDE CHAIN L 600 41 G21120067 F01020528 SCREW 12X40 5739 10.9 ZN 42 G21120225 G20970007 WASHER 35X8X13 43 G21120068 F01200233 WASHER 35X8X13 44 G21120068 F01200233 WASHER D12 DIN 6798 D.INTZN 46 G20970619 G21120118 **ASHER D12 DIN 6798 D.INTZN 48 G21120108 F01200233 NUT M12 GCX U7437 C70 48 G20970018 F01200293 NUT M12 GCX U7437 C70 48 G20120018 F01200409 WASHER 10.5X30 50 F02050642 F01020479 WASHER 11 X 35 X 5 51 G2112007 F01020479 WASHER 11 X 35 X 5 F01020403 51 G2112006 F01020479 WASHER D10 DIN 679B D.INTZN 54 F01040162 F01020403 G12236400 GNONECTING PDR SASBX4 F01020403 F0122026 F0122026 G12236400 GNONECTING BNG 45X50X35 G21120123 BRAING BNG 45X50X35 F01020403 G12236500	v ر	F01420036	VACUIEN DO DIN 0730 D.IIVI.GAEV. FLAT WASHER 6-6X 18X2 6593 ZN	40	G21120224	HINGE BLADE SHAFT - ASSY.	
F01020528 SCREW 12X40 5739 10.9 ZN 42 G21120027 G20970007 WASHER 35X8X13 43 G21120071 G20970035 WASHER 35X4X13 44 G21120008 F0120023 WASHER D12 DIN 6798 D.INTZN 45 G21120008 F0120023 WASHER D12 DIN 6798 D.INTZN 46 G20970619 G21120118 "AGNOVE DRIVEN PULLEY 47 G21120018 F0401017 BEARING 6206 Z 49 G20120018 F04120060 WASHER 11 X35 X5 F0420000 51 G20120018 F04120060 WASHER 11 X35 X5 F0120000 51 G21120073 F04120060 WASHER D1 DIN 6798 D.INTZN 55 F0120000 F04120060 WASHER D1 DIN 6798 D.INTZN 56 F0120006 F041200247 BOLT M10X35 GALVANIZED 56 F0120026 F04100409 SHOULDER RING WR 45 F040040 56 F0120026 F04100409 SHOULDER RING WR 45 F040040 56 F0120026 F04100131 INTERNAL IR. RING 45X60X35 G) 4	G21120007	ARM SIDE CHAIN L.600	7 4	G21120067	BRONZE BUSHING	
G20970007 WASHER 35X8X13 43 G21120007 G20970035 WASHER 22XAX13 44 G21120069 G20970035 WASHER D12 DIN 6738 D.INTZN 46 G21120068 F01200323 NUT M12 46 G20970519 G21120118 3-GEGER RING E. 62X 2 U7437 C70 48 G21120178 F02050392 SEEGER RING E. 62X 2 U7437 C70 48 G2102018 F04100071 BEARING 6206 Z 50 F02050642 F0410070 WASHER 10, 6330 51 G21120073 F01120479 WASHER 10, DIN 6798 D.INT.ZN 57 F01020403 G12236490 CONNECTING-ROD SYSTEM GUARD 55 F01020403 G12236500 HINGE F0100042 56 F01020403 G12236500 HINGE F0401048 56 F0120024 G1223660 HINGE F0401048 56 F0120024 G21120223 HINGE SPINDE FB/S 56 F0120024 G21120124 INTERNAL IR. RING 45X50X35 G2112017 F0100011 SPHERE NIPOLE MS	2	F01020528	SCREW 12X40 5739 10.9 ZN	42	G21120225	BLADES SPACER FB/S	
G20970035 WASHER 3ZX4X13 44 G21120068 F01430071 WASHER D12 DIN 6798 D.INTZN 45 G21120068 F0120013 3-GEOVOCE DRIVEN PULLEY 47 G2112013 F0212011 3-GEOVOCE DRIVEN PULLEY 47 G2112013 F0200032 SEEGER RING E. 6ZX 2 U7437 C70 49 G20970023 F04010171 BEARING 6206 Z 49 G20970023 F042006 WASHER 10,5X30 51 G2112016 F0102047 BOLT M 0x35 51 G2112016 G18701400 WASHER 11 X35 X 5 51 F0120403 G18701401 WASHER 11 X35 X 5 51 F0120403 G12236490 CONNECTING-ROD SYSTEM GUARD 56 F0120403 G12236491 BOLT NOXS 5739 8.G GALVANIZED 56 F01200024 G12236500 HINGE F040168 56 F01200024 G1223660 HINGE F02050403 56 F0120006 G1223660 HINGE F02050403 56 F0120006 G2112012 BLADE SHA	9	G20970007	WASHER 35X8X13	43	G21120071	PIN FASTENING BOLT	
F01430071 WASHER D12 DIN 6798 D.INT.ZN 45 G21120068 F01200283 NUT M12 46 G20970519 F01200293 NUT M12 47 G2120018 F02050392 SEEGER RING E. 62X 2 U7437 C70 48 G21120018 F0401071 BEARING 6206 Z 49 G20970023 F04120060 WASHER 10,5X30 50 F0205042 F0412007 WASHER 10,5X30 51 G21120070 F0142006 WASHER 11, X35 X 5 52 G21120070 F01430023 WASHER D10 DIN 6798 D.INT.ZN 53 F01020403 G12236400 CONNECTITIOG-ROD SYSTEM GUARD 56 F01020403 G1223640 CONNECTITIOG-ROD SYSTEM GUARD 56 F01020403 G1223640 HINGE F04010408 56 F0120026 G21120221 BLADE SHAFT SUPPORT FB/S 56 F01200324 G21120222 HINGE F04010408 50 F0120006 G21120123 HINGE SPINDLE FB/S G2112012 F04010408 F04010408 G21120123<	7	G20970035	WASHER 32X4X13	44	G21120069	EXPANSION PIN FB	
F01200293 NUT M12 G21120118 3-GROOVE DRIVEN PULLEY 47 G21120118 G21120118 3-GROOVE DRIVEN PULLEY 47 G21120137 F04010171 BEARING G206 Z 49 G20370023 F04010171 BEARING G206 Z 50 F02050023 F01420060 WASHER 10,6X30 51 G21120070 F01430023 WASHER 11 X 35 X 5 F01420060 51 G21120070 G12236490 CONNECTING-ROD SYSTEM GUARD 54 F01420403 G12236500 HINGE F0140165 F0120203 G12236500 HINGE F0140165 F0120204 G12236500 HINGE F010016 F010016 F04010363 BEARING DHK 5025 F030016 F0120204 F04010409 SHOULDER RING WR 45 F04010409 F02012022 F04100131 INTERNALI R. RING 4X50X35 G2112012 G2112012 G21120126 CONIC PIN FB G2112013 R011 RINGE SPINDLE FB/S G21120127 PIN GRUB-SCREW FB F0100011 SPHERE NIPPLE MG	œ	F01430071	WASHER D12 DIN 6798 D.INT.ZN	45	G21120068	CONICAL NUT	
G21120118 3-GROOVE DRIVEN PULLEY 47 G21120137 F02060322 SEEGER RING E. 62X 2 U7437 C70 48 G21120018 F02010171 BERRING E. 62X 2 U7437 C70 48 G21120018 F0420060 WASHER 10,5X30 50 F02050642 F01220479 BOLT M 10X35 51 G21120166 G18701140 WASHER 11 X 35 X 5 F0102043 F01020403 G12236490 CONNECTING-ROD SYSTEM GUARD 54 F01020403 G12236490 CONNECTING-ROD SYSTEM GUARD 56 F01200204 G12236500 HINGE F01000017 F01020403 BEARING DHK 5025 F0301069 F010018 F0100018 F04010409 SHOULDER RING WR 45 F04010409 F0201066 F04100131 INTERNALI R. RING 48X50X35 G2112012 F01020403 G21120126 PIN GRUB-SCREW FB G2112012 F0100018 F0100018 G21120127 PIN GRUB-SCREW FB F02050403 SEEGER RING E.72X2,5 U7437 C70 G66248111 SAFETY GUARD AM G21120128 PIN HINGE CCENTRIC </td <td>0</td> <td>F01200293</td> <td>NUT M12</td> <td>46</td> <td>G20970519</td> <td>BOTTOMED WASHER 39X20-25X5X1</td> <td></td>	0	F01200293	NUT M12	46	G20970519	BOTTOMED WASHER 39X20-25X5X1	
F02050392 SEEGER RING E. 62X 2 U7437 C70 48 G21120018 F04010171 BEARING 6206 Z 49 G20970023 F0410171 BEARING 6206 Z 50 620970023 F0122040 WASHER 10,5X30 51 G21120023 F01430023 WASHER 11 X 35 X 5 52 G21120156 F01430023 WASHER 10 DIO DIN 6798 D.INT.ZN 53 F01020403 G12236490 CONNECTING-ROD SYSTEM GUARD 56 F01040162 F01020472 BOLT 10X25 5739 8.G GALVANIZED 56 F01200324 G2120521 BLADE SHAFT SUPPORT FB/S 56 F01200324 G12236500 HINGE F0401068 56 F01220266 G21120221 BLADE SHAFT SUPPORT FB/S 62112026 F01400408 57 G21120126 HINGE F0100DH F01000H	10	G21120118	3-GROOVE DRIVEN PULLEY	47	G21120137	INTERNAL RING FB	
F04010171 BEARING 6206 Z 49 G20970023 F01420060 WASHER 10,5X30 50 F02050642 F01020479 BOLT M 10X35 51 G21120070 G1870140 WASHER 10,5X30 52 G21120070 G12236490 CONNECTING-ROD SYSTEM GUARD 53 F01020403 G12236490 CONNECTING-ROD SYSTEM GUARD 56 F01040162 F01020472 BOLT 10X25 5739 8.G GALVANIZED 56 F01040162 G212236500 HINGE F0100 BART SUPPORT FB/S 56 F01220266 G12236500 HINGE F04010409 SHOULDER RING WR 45 56 F01220266 G2120223 HINGE F04010409 SHOULDER RING WR 45 56 F01220266 G21120123 HINGE SPINDE FB/S G2112012 F04010409 SHOULDER RING WR 45 56 F01220266 G21120123 HINGE SPINDE FB/S G21120128 F0100011 F01000011 <t< td=""><td>7</td><td>F02050392</td><td>SEEGER RING E. 62X 2 U7437 C70</td><td>48</td><td>G21120018</td><td>ANTERIOR WASHER</td><td></td></t<>	7	F02050392	SEEGER RING E. 62X 2 U7437 C70	48	G21120018	ANTERIOR WASHER	
F01420060 WASHER 10,5X30 50 F0205042 F01020479 BOLT M 10X35 51 G21120070 G18701140 WASHER 11 X 35 X 5 52 G21120070 G18701140 WASHER 11 X 35 X 5 52 G21120070 G12236490 CONNECTING-CONSYSTEM GUARD 54 F01040162 F0102021 BLADE SHAFT SUPPORT FB/S 56 F01220266 G12236500 HINGE F04010363 BEARING DHK 5025 F01220266 F04010363 BEARING DHK 5025 F03011069 SEALING RING DH 50X58X4 F04010409 SHOULDER RING WR 45 F04010409 F04010409 SHOULDER RING WR 45 F04010409 SHOULDER RING WR 45 F04010409 SHOULDER RING BASSOX35 G2112012 RING E-7X2X,5 U7437 C70 G2112012 RING E-7X2X,5 U7437 C70 G6624811 SPHERE NIPPLE M6X1/A F040100011 SPHERE NIPPLE M6X1/A F04010362 BEARING DHK 2538 G2112012 BEARING DHK 2538 G2112012 BEARING DHK 2538 G21120012 BING E-CCENTRIC G21170020 HINGE ECCENTRIC G21170021 HINGE ECCENTRIC G21170020 <td>12</td> <td>F04010171</td> <td>BEARING 6206 Z</td> <td>49</td> <td>G20970023</td> <td>WASHER 102X2X75-2</td> <td></td>	12	F04010171	BEARING 6206 Z	49	G20970023	WASHER 102X2X75-2	
F01020479 BOLT M 10X35 51 G21120070 G18701140 WASHER 11 X 35 X 5 52 G21120156 G18701140 WASHER 11 X 35 X 5 52 G21120156 F01430023 WASHER D10 DIN 6798 D.INT.ZN 53 F01020403 G12236400 CONNECTING-ROD SYSTEM GUARD 56 F01400162 G21120221 BLADE SHAFT SUPPORT FB/S 56 F01200266 G12236500 HINGE F0401086 56 F01220266 F04010693 SEALING RING DH 5025 F041001 F04010409 SHOULDER RING WR 45 F04010409 SHOULDER RING WR 45 F04100131 INTERNAL IR. RING 45X50X35 G2112012 F04100131 INTERNAL IR. RING 550X35 G21120136 F04100131 F0	13	F01420060	WASHER 10,5X30	20	F02050642	STOP RING 75 UNI 7435-75	
G18701140 WASHER 11 X 35 X 5 52 G21120156 F01430023 WASHER D10 DIN 6798 D.INT.ZN 53 F01020403 G12236490 CONNECTING-ROD SYSTEM GUARD 54 F01040162 F01020472 BOLT 10X25 5739 8.G GALVANIZED 55 F01200324 G21120221 BLADE SHAFT SUPPORT FB/S 56 F01220266 G41236500 HINGE F04010409 F0410040 SHOULDER RING DHK 5025 F04010409 SHOULDER RING 45X50X35 F04100131 INTERNAL IR. RING 45X50X35 G21120126 F04100131 F04100131 INTERNAL IR. RING 45X50X35 G21120136 F0410013 F0410013 PIN SPACER FB G21120136 PIN SPACER FB G21120136 F0401030 SEGER RING E.SCREW FB F02050403 SEGER RING E.72X2,5 U7437 C70 G66248111 SAFETY GUARD AM G21120153 KIT- INT. CONN. ROD BEARING FB F04010362 BEARING DHK 2538 G21120136 PIN HINGE CONNECTING ROD FB G21170020 HINGE ECCENTRIC G21170020 G21170020 G21170020 G21170020	14	F01020479	BOLT M 10X35	21	G21120070	BLADE W/BUSHINGS	
F01430023 WASHER D10 DIN 6798 D.INT.ZN 53 F01020403 G12236490 CONNECTING-ROD SYSTEM GUARD 54 F01040162 F01020472 BOLT 10X25 5739 8.G GALVANIZED 55 F01200324 G21120221 BLADE SHAFT SUPPORT FB/S 5 F01220266 G12236500 HINGE F04010363 BEARING DHK 5025 F0401032 F04010363 BEARING DHK 5025 F04010409 SHOULDER RING WR 45 F04010409 F04010409 SHOULDER RING 48550X35 G21120126 HINGE SPINDLE FB/S G21120126 G21120126 PIN SPACER FB G21120136 PIN SPACER FB G21120136 G21120136 PIN SPACER FB G21120146 SEGER RING E.72X2,5 U7437 C70 G66248111 SAFETY GUARDAM G21120153 KIT- INT. CONN. ROD BEARING FB F04010362 BEARING DHK 2538 G21120128 PIN HINGE CONNECTING ROD FB G21170020 HINGE ECCENTRIC G21170020 HINGE ECCENTRIC G21170020 HINGE ECCENTRIC	15	G18701140	WASHER 11 X 35 X 5	52	G21120156	KIT- BLADE FASTENING PIN FB	
G12236490 CONNECTING-ROD SYSTEM GUARD 54 F01040162 F01020472 BOLT 10X25 5739 8.G GALVANIZED 55 F01200324 G21120221 BLADE SHAFT SUPPORT FB/S 56 F01220266 G12236500 HINGE F04010363 BEARING DHK 5025 F01220266 F04010363 BEARING DHK 5025 F03011069 F0401040 F0401040 F04010409 SHOULDER RING WR 45 F041004 F0401040 F0401040 F04100131 INTERNAL IR. RING 45X50X35 G21120126 G20112012 F0401040 G21120126 CONIC PIN FB G2112012 F0401040 F0401040 F02050403 SEEGER RING E.72X2,5 U7437 C70 G6624811 SAFETY GUARD AM G66248111 SAFETY GUARD AM G21120123 KIT. INT. CONIN. ROD BEARING FB F04010362 BEARING DHK 2538 G21170020 HINGE ECCENTRIC G21170021 HINGE ECCENTRIC G21170020 F02050112 F02050112 SEEGER RING 30X 1,5 U7435 C70 G21170020 F02050112	16	F01430023	WASHER D10 DIN 6798 D.INT.ZN	53	F01020403	BOLT M 6X16 5739 8.8 GALV.	
F01020472 BOLT 10X25 5739 8.G GALVANIZED 55 F01200324 G21120221 BLADE SHAFT SUPPORT FB/S 56 F01220266 G12236500 HINGE F04010363 BEARING DHK 5025 F01220266 F04010363 BEARING DHK 5025 F0201000 F02010000 F0201000 F0201000 F0201000 F02010000 F0201000 F02010000 F02010000 F02010000 F02010000 F02010000 F02010000 F020100000 F02010000 F02010000 F02010000 F02010000 F02010000 F02010000 F0201000000 F02010000 F02010000 F02010000 F020100000 F020100000 F0201000000 F020100000 F020100000 F020100000000<	17	G12236490	CONNECTING-ROD SYSTEM GUARD	24	F01040162	BOLT M 6X40 5931 8.8	
G21120221 BLADE SHAFT SUPPORT FB/S 56 F01220266 NUT M16X 2 G12236500 HINGE F04010363 BEARING DHK 5025 F04010363 BEARING DHK 5025 F04010409 NUT M16K F04010409 SEALING RING DH 50X58X4 F041004 F04010409 SHOULDER RING WR 45 F041004 F041004 </td <td>18</td> <td>F01020472</td> <td>BOLT 10X25 5739 8.G GALVANIZED</td> <td>22</td> <td>F01200324</td> <td>NUT 16 UNI 5588 8.8 GALVANIZED</td> <td></td>	18	F01020472	BOLT 10X25 5739 8.G GALVANIZED	22	F01200324	NUT 16 UNI 5588 8.8 GALVANIZED	
G12236500 F04010363 F03011069 F04010409 F04100131 G21120126 G21120126 G21120127 F02050403 G66248111 G21120153 F01100011 F04010362 G21170020 G21170020 G21170021	19	G21120221	BLADE SHAFT SUPPORT FB/S	99	F01220266		
F04010363 F03011069 F04100131 G21120223 G21120126 G21120136 G21120127 F02050403 G66248111 G21120153 F01100011 F04010362 G21170020 G21170021	20	G12236500	HINGE				
F03011069 F04010409 F04100131 G21120223 G21120126 G21120127 F02050403 G66248111 G21120153 F01100011 F04010362 G21170020 G21170020	21	F04010363	BEARING DHK 5025				
F04010409 F04100131 G21120223 G21120126 G21120127 F02050403 G66248111 G21120153 F01100011 F04010362 G21170020 G21170020 G21170021	22	F03011069	SEALING RING DH 50X58X4				
F04100131 G21120126 G21120126 G21120127 F02050403 G66248111 G21120153 F01100011 F04010362 G21170020 G21170020 G21170021	23	F04010409	SHOULDER RING WR 45				
G21120223 G21120126 G21120136 G21120127 F02050403 G66248111 G21120153 F01100011 F04010362 G21170020 G21170021	24	F04100131	INTERNAL IR. RING 45X50X35				
G21120126 G21120136 G21120127 F02050403 G66248111 G21120153 F01100011 F04010362 G21120128 G21170020 G21170021	25	G21120223	HINGE SPINDLE FB/S				
G21120136 G21120127 F02050403 G66248111 G21120153 F01100011 F04010362 G21170020 G21170021 F02050112	26	G21120126	CONIC PIN FB				
G21120127 F02050403 G66248111 G21120153 F01100011 F04010362 G21120128 G21170020 G21170021 F02050112	27	G21120136	PIN SPACER FB				
F02050403 G66248111 G21120153 F01100011 F04010362 G21120128 G21170020 G21170021 F02050112	28	G21120127	PIN GRUB-SCREW FB				
G66248111 G21120153 F01100011 F04010362 G21120128 G21170020 G21170021	29	F02050403	SEEGER RING E.72X2,5 U7437 C70				
G21120153 F01100011 F04010362 G21120128 G21170020 G21170021 F02050112	30	G66248111	SAFETY GUARD AM				
F01100011 F04010362 G21120128 G21170020 G21170021 F02050112	31	G21120153	KIT- INT. CONN. ROD BEARING FB				
F04010362 G21120128 G21170020 G21170021 F02050112	32	F01100011	SPHERE NIPPLE M6X1/A				
G21120128 G21170020 G21170021 F02050112	33	F04010362	BEARING DHK 2538				
G21170020 G21170021 F02050112	34	G21120128	PIN HINGE CONNECTING ROD FB				
G21170021 F02050112	35	G21170020	HINGE ECCENTRIC				
F02050112	36	G21170021	OUTER CONNECTING ROD				
	37	F02050112	SEEGER RING 30X 1,5 U7435 C70				



Cod.				00.32
	Description	Pos.	Cod.	Description
G21120321	INNER SLIDE SPACER	38	G21120134	SWATHBOARD - ASSY.
F01200270	NUT M10 GALVANIZED	39	F01060105	SCREW M 12X80 5732 8.8 GALVANIZED
F01430023	WASHER D10 DIN 6798 D.INT. GALVANIZED	40	G65338001	SWATHBOARD COMP. SPRING
F01410064	WASHER 10,5X21 GALVANIZED	41	F01410076	PLANE WASHER D12 UNI 6592 GALVANIZED
F01020472	BOLT 10X25 5739 8.G GALVANIZED	42	F01230059	NUT M12X1,75 D982 8 GALVANIZED
F01060081	BOLT 10X60 5732 4.6- GALVANIZ	43	F01060045	BOLT M8X40 U5732 4.6 GALVANIZED
G21120322	HINGE PROTECTION	44	F01230034	SELF LOCKING NUT M8X1,25
G21120133	SWATHBOARD BOLT ASSY.	45	G20800061	SWATHBOARD ROD ASSY.
G13013020	INTERNAL RUNNER	46	F01020011	SCREW M 4X35 5737 8.8 GALVANIZED
G21120324	RUNNER WIDE INT. SLIDE	47	G13011660	INDICATIN BAR
F01030121	SCREW M 12X60 5933 10.9	48	G13013080	BAR REINFORCEMENT 5 HOLES
F01430071	WASHER D12 DIN 6798 D.INT. GALVANIZED	49	G13013070	BAR REINFORCEMENT 4 HOLES
F01200293	NUT M12 GALVANIZED	20	F01030501	SCREW TSQST 10X45 8.8
F01220033	NUT M10X 1,5 D980 8 GALVANIZED	51	G13014250	HINGE PROTECTION
F01020114	BOLT 10X50 5737 8.G GALVANIZED	52	G13013431	REMV. TOOTH-HOLDING BAR FBR175
G21120312	UPPER INNER BLADE GUIDE	53	G13013471	REMV. TOOTH-HOLDING BAR FBR205
G13011600	INT. BLADE GUIDE SUPPORT	54	G13013030	REMV. TOOTH-HOLDING BAR FBR235
G21120044	SHIMS-LOWER INT. GUIDE			
G21120045	INNER LOWER BLADE GUIDE			
G13013151	LOWER DOUBLE BLADE GUIDE			
G19203311	UPPER BLADE INT. GUIDE REMOVAB			
G19203301	UPPER BLADE GUIDE REMOVABLE TI			
G13011501	UPPER BLADE GUIDE EXT. REMOVAB			
G13011510	SHIM FOR UPPER BLADE GUIDE			
G13011520	UPPER EXT. BLADE GUIDE SHIM			
F01020480	SCREW 10X35 5739 8.G			
G13013120	COMPLETE SPACER			
G21120040	SHIMS MM.1 UPPER EXT. GUIDE			
G21120039	UPPER OUT. BLADE GUIDE			
G13013511	LOWER SINGLE BLADE GUIDE			
G19200903	OUTER BAR SUPPORT			
G21120038	EXT. RUNNER SLIDE			
F01020512	SCREW M 12X35 GALVANIZED			
F01220048	SELF LOCKING NUT M12X1,75 980 GALVANIZED			
F01030111	SCREW M 12X40 5933 10.9			
313011650	INDICATION BAR SUPPORT			
F01230016	NORM.SELF-LOCKING NUT 4 GALVANIZED			



Pos. Gott. Description 1 G711/2243 OLT ESCTIVOR BAS 2 G11/2013-0.00 LOWER DOUBLE POINT SECTION 3 G11/2015-0.00 LOWER DOUBLE POINT SECTION 4 F02/2015-0.00 LOWER DOUBLE POINT SECTION 5 G11/2015-0.00 LOWER DOUBLE POINT SECTION 6 F01/2015-0.00 LOWER DOUBLE POINT SECTION 7 F01/2016-0.00 LOWER DOUBLE POINT SECTION 8 F02/2015-0.00 LOWER DOUBLE POINT SECTION 9 F02/2015-0.00 LOWER DOUBLE POINT SECTION 10 G11/2015-0.00 LOWER DOUBLE POINT SECTION 11 F01/100/11 SPHER NUMBER LEAD & READ SECTIONS 12 G11/2048 BUSING-BURD ELEMO XEXAD-24 13 G11/2048 BUSING-BURD ELEMO XEXAD-24 14 F02/2050-0.00 PACK BLAD MOUNT TSC & K11-8 K 15 G11/2048 BUSING-BURD ELEMO XEXAD-24 16 G11/2047 ROD SECTIONS MIT 1.3 F BS 17 G11/2048 BUSING-BURD ELEMO XEXAD-24 18 G11/2048 BUSING-BURD ELEMO XEXAD-24 19 G11/2048 BUSING-BURD ELEMO SECTIONS MIT 1.3 F BS 10 G11/2048 BUSING-BURD ELEMO XEXAD-24 11 G11/2048 BUSING-BURD ELEMO SECTIONS MIT 1.3 F BS 12 G11/2048 BUSING-BURD ELEMO SECTIONS MIT 1.3 F BS 13 G11/2049 BUSING-BURD ELEMO SERVE 2.6 S 14 G11/2049 BUSING-BURD ELEMO SECTIONS MIT 1.3 F BS 15 G11/2040 BUSING-BURD ELEMO SE		CUTTING BLADE	LADE		TAV. 60	
G21120243 G13013550 G13013550 G13013540 F02250519 G13013330 F0100022 F01460138 G65337002 F02250520 G21120048 F01100011 G13013190 G13013190 G13013390 G13013580 G13013580 G13013500 G13013340 G13013340 G13013340 G13013350 G13013350 G130133781 G130133781 G13013781 G13013781 G13013781 G13013781	Pos.	Cod.	Description	Pos.	Description	
G13013550 G13013840 F02250519 G13013830 F01010222 F01010222 F01100011 G21120048 F01100011 G21120246 G21120246 G21120246 G21120247 G21120248 G13013300 G13013350 G13013360 G13013350 G13013350 G13013350 G13013350 G13013350 G13013350 G13013350 G13013350 G13013350 G13013350 G13013350 G13013350 G13013350 G13013350 G13013350 G13013350	_	G21120243	CUT SECTION FB/S			
G13013540 F02250519 G13013830 F01010222 F01460138 G65337002 F02250520 G21120048 F01100011 G13013190 G21120246 G21120246 G21120248 G13013350 G13013350 G13013360 G13013350 G13013350 G13013350 G13013350 G13013350 G13013350 G13013350 G13013350 G130133771 G13013771 G13013771	7	G13013550	LOWER DOUBLE POINT SECTION			
F02250519 G13013830 F01010222 F01460138 G65337002 F02250520 G21120048 F01100011 G13013190 G13013230 G21120246 G21120248 G13013390 G13013590 G13013590 G13013340 G13013340 G13013340 G13013350 G130133781 G13013781 G13013781 G13013781 G13013760 G13013781 G13013760	က	G13013540	UPPER DOUBLE POINT SECTION			
G13013830 F01010222 F01460138 G65337002 F02250520 G21120048 F01100011 G13013230 G13013230 G21120246 G21120246 G21120248 G13013580 G13013580 G13013580 G13013310 G13013310 G13013340 G13013340 G13013350 G130133781 G13013781 G13013781 G13013781 G13013781	4	F02250519	PACK BLAD.MOUNT.TSC 6 X13-8			
F01010222 F01460138 G65337002 F02250520 G21120048 F01100011 G13013190 G21120246 G21120246 G21120248 G21120248 G13013580 G13013580 G13013580 G13013360 G13013360 G13013370 G13013350 G13013371 G13013371 G13013371 G13013371 G13013371 G13013371 G13013371 G13013771 G13013771 G13013060 G21120054	2	G13013830	SPECIAL REMOVABLE TEETH			
F01460138 G65337002 F02250520 G21120048 F01100011 G13013190 G13013230 F02250520 G21120246 G21120247 G21120247 G21120248 G13013580 G13013680 G13013360 G13013340 G13013340 G13013350 G13013350 G13013350 G13013350 G13013350 G13013350 G13013350 G13013350 G13013371	9	F01010222	SCREW 8X1X12 5740 10.9			
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G21120248 G13013580 G13013590 G13013090 G13013670 G13013310 G13013310 G13013340 G13013340 G13013350 G13013350 G13013050 G13013771 G13013050 G13013781 G13013060	16	G21120247	ROD SECTIONS MT. 2.05 FB/S			
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G13013040 G13013340 G13013350 G13013050 G13013771 G13013781 G13013060 G21120054 G21120112 G21120266	25	G13013310	REMV. TOOTH-HOLDING BAR 2.05			
G13013340 G13013350 G13013050 G13013771 G13013781 G21120054 G21120112 G21120266	26	G13013040	REMV. TOOTH-HOLDING BAR 2.35			
G13013350 G13013050 G13013771 G13013781 G13013060 G21120054 G21120112 G21120266	27	G13013340	BLADE HEAD-TOOTH-HOLDING BAR 1.75			
G13013050 G13013771 G13013781 G13013060 G21120054 G21120112 G21120266	28	G13013350	BLADE HEAD-TOOTH-HOLDING BAR 2.05			
G13013771 G13013781 G13013060 G21120054 G21120112 G21120266	29	G13013050	BLADE HEAD-TOOTH-HOLDING BAR 2.35			
G13013781 G13013060 G21120054 G21120112 G21120266	30	G13013771	COMPL. REMVTOOTHED BLADE FBR 1,75			
G13013060 COMPL. REMVTOOTHED BLADE G21120054 GUARD - PROTECTION MT.1-75 G21120266 COMPL. PROTECTION .MT.2-35 FB	31	G13013781	COMPL. REMVTOOTHED BLADE FBR 2.05			
G21120054 G21120112 G21120266	32	G13013060				
G21120112 G21120266	33	G21120054	GUARD - PROTECTION MT.1-75			
G21120266	34	G21120112	COMPLETE PROTECTION MT 2,05			
	35	G21120266	COMPL. PROTECTION .MT.2-35 FB/			



Pos. God. Description Pos. Cod. Description 2 612210820 CYLINIDER D.40.20.380 38 F01500012 WASHER 3 612217800 CYLINIDER COUPLING 39 F0150012 WASHER 4 612217800 CYLINIDER COUPLING 49 G73404517 PIPE 1474.7 5 612217800 LEPING PRESENCE COUPLING 41 F03150217 PIPE 147.12 6 612217800 LEPING PRESENCE COUPLING 42 F03150221 PIPE 147.12 7 612217800 LEPING PRESENCE COUPLING 42 F03150227 COUNC CONNECT MALE CONFERENCE 8 612218000 LETING PRESENCE COUNCING NUT MAKEL, S. 42 F03150227 COUNC CONNECT MALE CONFERENCE 9 612218020 LETING PRESENCE DEVICE 45 F03150227 CLENICS SPECIAL AND SECURATION OF MARKEL, S. 44 F03150228 GUIT CONNECT MARKEL, S. 45 F05150204 SPIRAL GUIT MAKEL AND CONNECT MARKEL, S. 45 F05150204 SPIRAL GUIT MAKEL AND CONNECT MARKEL, S. 45 F05150204 SPIRAL GUIT M	God. G14911000 G12216820 G12219000 G12219020 F01020166 G18802150 G20970011 F01220022 F010200445 F01220022 F01020445 F01220022 F01020445 F01220022 F01020445 F01220022 F01020445 F01220022 G209701041 G209701041 F02100089 F01220027 G20970070 F012219050 F012219050 G12219050 F012200113		
C14911000 CYLINDER D.40-D.20-380 38 F01500012 G12218620 CYLINDER COUDEINIG 39 G16011680 G12217900 FORK LEVER CONNECTION 40 F0316127 G12219070 LIFTING BAR EDGE 42 F0316021 G12219080 LIFTING GARTICULATION BAR 43 F03160325 G12210007 LIFTING GARTICULATION BAR 44 F03160325 G12210009 LIPTING GARTICULATION BAR 45 F03160325 G1220020 LIPTING GARTICULATION BAR 46 G21220007 F01220020 SELF LOCKING NUT MRX1, 25 49 F03160410 F01220020 SCALINDER LINKAGE DEVICE 50 F03160410 F01220020 SCALI MAX30 F01700041 BOLT MXX1, 25 F01700041 F01220020 SCALI LOCKING NUT MAX1, 5 F02200220 F01700040 <t< th=""><th>G14911000 G12216820 G12217900 G12219070 G12219070 G12219080 G12219080 G12219020 G12219020 G12219020 G12219020 G12219020 G12219020 G12219020 G12219020 F01020445 F01020166 G18802150 G209700141 F01220022 F01020445 F011230072 F011230072 G20970104 F02100141 F02100188 F011230072 G12219120 G12219120 G12219120 G12219120 G12219120</th><th></th><th>Description</th></t<>	G14911000 G12216820 G12217900 G12219070 G12219070 G12219080 G12219080 G12219020 G12219020 G12219020 G12219020 G12219020 G12219020 G12219020 G12219020 F01020445 F01020166 G18802150 G209700141 F01220022 F01020445 F011230072 F011230072 G20970104 F02100141 F02100188 F011230072 G12219120 G12219120 G12219120 G12219120 G12219120		Description
G12216820 CYLINDER COUPLING 39 G16011690 G12219020 LIFTING BAR EDGE 40 F03150211 G12219070 LIFTING BAR EDGE 41 F03150211 G12219080 LIFTING BAR EDGE 42 F0315021 G12219080 LIFTING ARTICULATION BAR 42 F0315032 G12219020 LIFTING ARTICULATION BAR 44 F0315032 G12219020 LIFTING PAD 44 F0315032 G12219020 BOLT MIAKSXX70 US737 8.8 ZG 46 G21120007 G20970111 WASHER 29,8X2X16,5 47 F05150414 G18802150 BOLT MIAKSZRAZA 6ALVANIZED 50 F03100344 G1880216 BOSHING 12,3X25X42 6ALVANIZED 50 F05150484 G1880216 BOSHING 12,3X25X42 6ALVANIZED 50 F05150484 G1880216 BOLT MIAX1,75X70 US738 8.8 ZB F0140007 F0120002 F0120007 F01200028 BOLT MIAX1,75 F0100004 WASHER 21X4X8-5 F01401011X1 F0100004 F0100004 F01000004 <t< td=""><td>G12216820 G12217900 G12219070 G12219060 G12219080 G12219080 G12219020 G12219020 G12219020 G12219020 G12219020 G1020445 F01020166 G19204045 F01020166 G1020022 F01020022 F01020022 F01020028 F01020022 F01020027 G209700141 F02100089 F0112200124 G12219120 G12219120 G12219120 G12219050 F0102001141</td><td></td><td>WASHER</td></t<>	G12216820 G12217900 G12219070 G12219060 G12219080 G12219080 G12219020 G12219020 G12219020 G12219020 G12219020 G1020445 F01020166 G19204045 F01020166 G1020022 F01020022 F01020022 F01020028 F01020022 F01020027 G209700141 F02100089 F0112200124 G12219120 G12219120 G12219120 G12219050 F0102001141		WASHER
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G12219060 LEVER 42 F03151237 G12219060 LIFTING ARTICULATION BAR 42 F03150325 G12219020 LIFTING PAZE 44 F03150325 G12219020 LIFTING PAZE 45 G1218030 G12219020 LIFTING PAZE 45 G21210007 F01020260 BOLT MI6X2X70 U5737 8.2G 46 G21120007 G122030111 WASHER 29,8X2X16.5 48 F05150410 G19204260 CYLINDER LINKAGE DEVICE 49 F05150410 F01020164 BOLT 12X80 67378.6 GALVANIZED 50 F03100344 G18802150 BOSHING 12,3X25X42 6ALVANIZED 50 F03150484 G18020260 WASHER ADIX UNI 6592 ZN 51 F05150484 F03150484 F03150484 <td< td=""><td>G12219060 G12219080 G12219080 G12219020 G12219020 F01020260 G20970111 F01230084 G19204260 F01020166 G19204260 F01020164 F01220022 F01020164 F01020164 F01020022 F01020028 F01020028 F01020028 F011020028 F011230072 G20970070 F011230072 G12219120 G12219120 G12219120</td><td></td><td>NIPLE 1/4-1/2</td></td<>	G12219060 G12219080 G12219080 G12219020 G12219020 F01020260 G20970111 F01230084 G19204260 F01020166 G19204260 F01020164 F01220022 F01020164 F01020164 F01020022 F01020028 F01020028 F01020028 F011020028 F011230072 G20970070 F011230072 G12219120 G12219120 G12219120		NIPLE 1/4-1/2
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G12217880 LIFTING ROD 44 F03150935 G1221020 LIFTING PATE 45 G12210007 G1221020 LIFTING PATE 46 G2120007 G2097011 WASHER 29,8X27 (6,5) 47 F0250667 G19204260 BOLT MIGKALINKAGE DEVICE 49 F05150410 F01230084 SELF LOCKING NUT M16X1,5 49 F05150410 F0123008 BOLT TX80 5737 8.6 GALVANIZED 50 F03100344 G18802150 BOCHING NUT M12X1,25 F01230068 SELF LOCKING NUT M2X1,25 F01230058 SELF LOCKING NUT M8X1,25 980V F0120044 BOLT M3X1,75X70 U5737 8.8 ZB F0120042 F01410076 BOLT M42X1,75X70 U5737 8.8 ZB F0120042 BOLT M4X1,5 F0120042 F01200245 BOLT M4X1,5 G20970104 WASHER 21X4X8-5 F0120022 F0120022 F0120029 PIN EL. 5 X36 DIN 1481 F0210049 PIN EL. 5 X36 DIN 1481 F0102006 F0141008 F0120009 PIN EL. 5 X36 DIN 1481 F0102007 F0141008 WAS-MER A0XXX26 F0123007 SELF LOCKING NUT M6	G12217880 G12219020 G12219020 F01020260 G20970111 F01230084 G19204260 F01020166 G18802150 G20970085 F01020164 F01220022 F01020445 F01220022 F01020445 F01020445 F01020445 F01020028 F01020028 F01020028 F01020028 F0112200141 F02100089 F011230070 G12219120 G12219120 G12219050 F01040066 F01020011		COVER 1/2
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	G12219110	SLIDING PLATE	

WARRANTY

MASCHIO GASPARDO warrants this product to be free from defect in material and workmanship. Except as otherwise set forth below, the duration of this Warranty shall be for TWELVE (12) MONTHS COMMENCING ON THE DATE OF DELIVERY OF THE PRODUCT TO THE ORIGINAL PURCHASER.

Under no circumstances will this Warranty apply in the event that the product, in the good faith opinion of MASCHIO GASPARDO, has been

subjected to improper operation, improper maintenance, misuse, or an accident. This Warranty does not apply in the event that the product has been materially modified or repaired by someone other than MASCHIO GASPARDO, a MASCHIO GASPARDO authorized dealer or distributor, and/or a MASCHIO GASPARDO authorized service center. This Warranty does not cover normal wear or tear, or normal maintenance items. This Warranty also does not cover repairs made with parts other than those obtainable through MASCHIO GASPARDO.

This Warranty is extended solely to the original purchaser of the product. Should the original purchaser sell or otherwise transfer this product to a third party, this Warranty does not transfer to the third party purchaser in any way. There are no third party beneficiaries of this Warranty.

MASCHIO GASPARDO makes no warranty, express or implied, with respect to engines, batteries, tires or other parts or accessories not manufactured by FRONTIER. Warranties for these items, if any, are provided separately by their respective manufacturers.

MASCHIO GASPARDO' obligation under this Warranty is limited to, at MASCHIO GASPARDO' option, the repair or replacement, free of charge, of the

product if MASCHIO GASPARDO, in its sole discretion, deems it to be defective or in noncompliance with this Warranty. The product must be returned to MASCHIO GASPARDO S.p.A. with proof of purchase within thirty (30) days after such defect or noncompliance is discovered or should have been discovered, routed through the dealer and distributor from whom the purchase was made, transportation charges prepaid. MASCHIO GASPARDO shall complete such repair or replacement within a reasonable time after MASCHIO GASPARDO receives the product.

THERE ARE NO OTHER REMEDIES UNDER THIS WARRANTY. THE REMEDY OF REPAIR OR REPLACEMENT IS THE SOLE AND EXCLUSIVE REMEDY UNDER THIS WARRANTY.

THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THE DESCRIPTION ON THE FACE OF THIS WARRANTY. MASCHIO GASPARDO MAKES NO OTHER WARRANTY, EXPRESS OR IMPLIED, AND MASCHIO GASPARDO SPECIFICALLY DISCLAIMS ANY IMPLIED WARRANTY OF MERCHANTABILITY AND/OR ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE.

MASCHIO GASPARDO shall not be liable for any incidental or consequential losses, damages or expenses, arising directly or indirectly from the product, whether such claim is based upon breach of contract, breach of warranty, negligence, strict liability in tort or any other legal theory. Without limiting the generality of the foregoing, MASCHIO GASPARDO specifically disclaims any damages relating to (i) lost profits, business, revenues or goodwill; (ii) loss of crops; (iii) loss because of delay in harvesting; (iv) any expense or loss incurred for labor, supplies, substitute machinery or rental; or (v) any other type of damage to property or economic loss.

This Warranty is subject to any existing conditions of supply which may directly affect MASCHIO GASPARDO' ability to obtain materials or manufacture replacement parts.

No agent, representative, dealer, distributor, serviceperson, salesperson, or employee of any company, including without limitation, MASCHIO GASPARDO, its authorized dealers, distributors, and service centers, is authorized to alter, modity, or enlarge this Warranty.

This Warranty is effective only if the warranty registration is returned within ten (10) days.

For warranty services contact your selling dealer.

WARRANTY

WARRANTY FOR REPLACEMENT PARTS

MASCHIO GASPARDO warrants this product to be free from defect in material and workmanship for a period of ninety (90) days from the date of delivery of the product to the original purchaser.

Under no circumstances will this Warranty apply in the event that the product, in the good faith opinion of MASCHIO GASPARDO, has been subjected to improper operation, improper maintenance, misuse, or an accident. This Warranty does not cover normal wear or tear, or normal maintenance items.

This Warranty is extended solely to the original purchaser of the product. Should the original purchaser sell or otherwise transfer this product to a third party, this Warranty does not transfer to the third party purchaser in any way. There are no third party beneficiaries of this Warranty.

MASCHIO GASPARDO' obligation under this Warranty is limited to, at MASCHIO GASPARDO' option, the repair or replacement, free of charge, of the

product if MASCHIO GASPARDO, in its sole discretion, deems it to be defective or in noncompliance with this Warranty. The product must be returned to MASCHIO GASPARDO with proof of purchase within thirty (30) days after such defect or noncompliance is discovered or should have been discovered, routed through the dealer and distributor from whom the purchase was made, transportation charges prepaid. MASCHIO GASPARDO shall complete such repair or replacement within a reasonable time after MASCHIO GASPARDO receives the product. THERE ARE NO OTHER REMEDIES UNDER THIS WARRANTY THE REMEDY OF REPAIR OR REPLACEMENT IS

THE SOLE AND EXCLUSIVE REMEDY UNDER THIS WARRANTY.

THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THE DESCRIPTION ON THE FACE OF THIS WARRANTY. MASCHIO GASPARDO MAKES NO OTHER WARRANTY, EXPRESS OR IMPLIED, AND MASCHIO GASPARDO SPECIFICALLY DISCLAIMS ANY IMPLIED WARRANTY OF MERCHANTABILITY AND/OR ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE.

MASCHIO GASPARDO shall not be liable for any incidental or consequential losses, damages or expenses, arising directly or indirectly from the product, whether such claim is based upon breach of contract, breach of warranty, negligence, strict liability in tort or any other legal theory. Without limiting the generality of the foregoing, MASCHIO GASPARDO specifically disclaims any damages relating to (i) lost profits, business, revenues or goodwill; (ii) loss of crops; (iii) loss because of delay in harvesting; (iv) any expense or loss

incurred for labor, supplies, substitute machinery or rental; or (v) any other type of damage to property or economic loss.

This Warranty is subject to any existing conditions of supply which may directly affect MASCHIO GASPARDO' ability to obtain materials or manufacture replacement parts.

No agent, representative, dealer, distributor, service person, salesperson, or employee of any company, including without limitation, MASCHIO GASPARDO, its authorized dealers, distributors, and service centers, is authorized to alter, modify, or enlarge this Warranty.

For warranty services contact your selling dealer.

NOTES



NOTES

ALWAYS USE ORIGINAL SPARE PARTS



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