

FBR Plus

OPERATOR'S MANUAL - PARTS BOOK

SICKLE BAR MOWER



Cod. G19503020 2010-12

TABLE OF CONTENTS

Description	Operating - Quick Coupler	
Description of the sickle bar mower5	Quick Coupler	29
Assembly drawing6	Removing sickle bar mower with	
, ,	Quick Coupler	29
Technical specification	·	
Technical specification7	Operating	
Handling 7	How to choose between sickle bars	30
Safety lables	Service Machine Safely	
Safety-Alert lables 8	Practice safe maintenance	
Identification machine8	Wear appropriate clothing	
Machine safety labels 8	Stay clear of rotating drivelines	
	Maintenance	
Machine safety lables and position	Hazard bar	32
Machine safety lables and position 9		
	Service	
Preparing the tractor	Lubrification	
Preparing the tractor10	Routine maintenance	
Parking instruction10	Every 2 work hours	
Stay clear of rotating drivelines10	Every 8 work hours	33
	Every 50 work hours	33
Installing	Periodically (6 months)	
Installing sickle bar mower on tractor 10	After each mowing	
PTO shaft adaptation12	Cleaning and oiling the sickle bar	
Stability of sickle bar and tractor during	Each start of season	
transport13	Storage	
Parking instruction14	Extra maintenance	
Stay clear of rotating drivelines14	Replacement of section-holding bar	
	Replacement of sections	
Removing	Replacement of bar holding removable toot	
Removing sickle bar mower 15	Replacement of removable tooth	37
	Replacement of belts	
Operating	Replacement of pulleys	37
Operate safetly 16		
Wear appropriate clothing17	Transport on road	
Stay clear of rotating drivelines17	Transport on road	38
Operating Machanical Lifting System	Demolition and disposal	
Operating - Mechanical Lifting System	Demolition and disposal	30
Use of Mechanical lifting system	Demontion and disposal	33
Adapting the sickle bar mower	Assembly	
Adjustment	Assembly	40
Mowing20	Assembly	40
Operating - Hydraulic Lifting System	Spare parts	
Use of Hydraulic lifting system22	Spare parts	49
Adapting the sickle bar mower24	• •	
Adjustment25	Warranty	
Using the lifting device	Warranty	64
Operation of lifting device	Warranty for replacement parts	
Mowing on flat ground27	, ,	
Mowing on slopes28		

cod. G19503020

3

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.

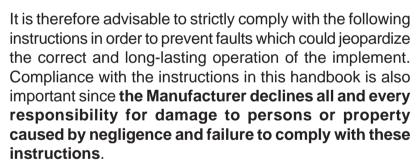
Description of the sickle bar mower

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).



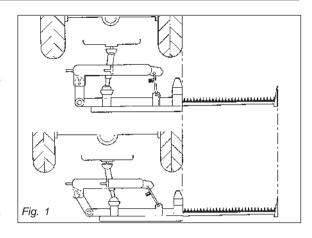
ATTENTION

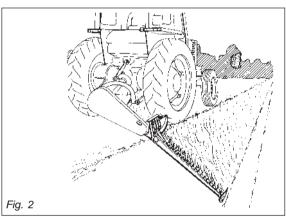
The sickle bar is suitable only for the uses indicated. Any other use different from that described in these instructions could cause damage to the machine and represent a serious hazard for the user.

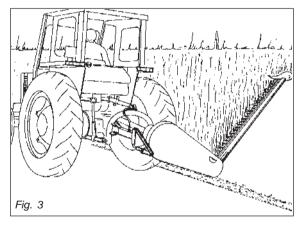


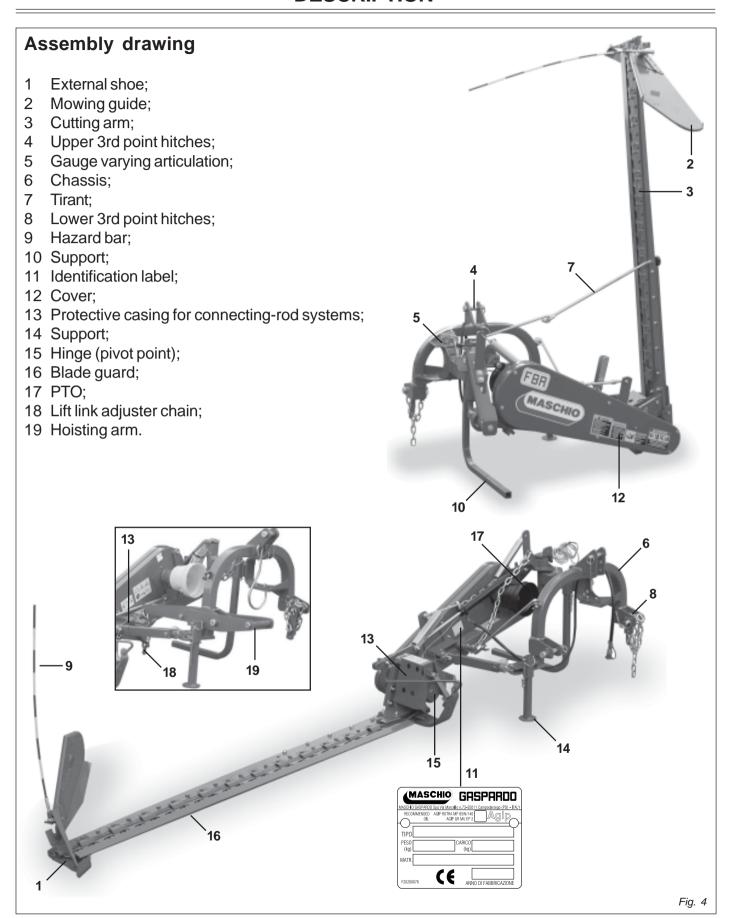
The Manufacturer shall, however, remain at the customers' disposal for immediate and thorough assistance together with anything else that may be required in order to ensure the correct operation and maximum efficiency of the implement.

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.

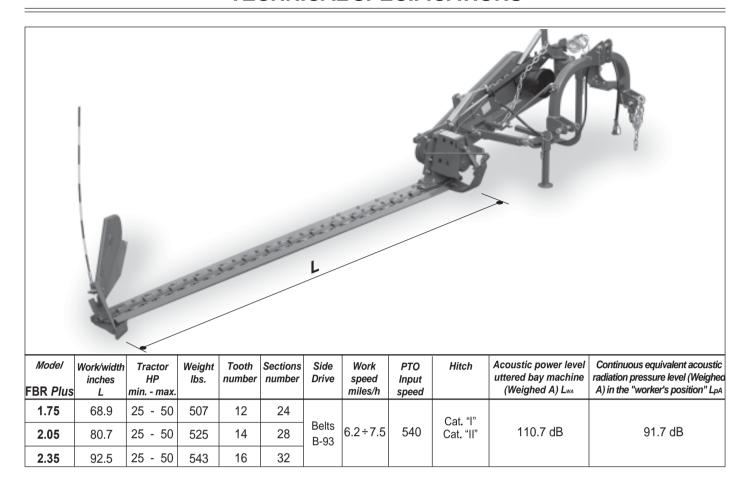








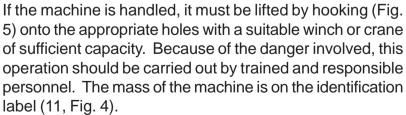
TECHNICAL SPECIFICATIONS



Handling

During handling operations, use suitable personal protection devices:

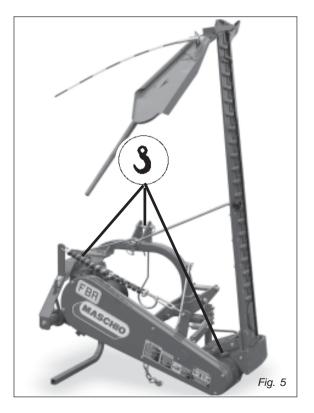




Stretch the rope to keep the machine level.

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



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)



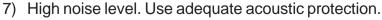


(8)



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.

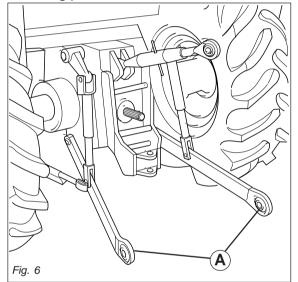
The correct tractor/sickle bar position is established by setting the implement at such a distance from the tractor that the universal coupling remains 2-4 inches from its maximum closing position. Now proceed in the following way:

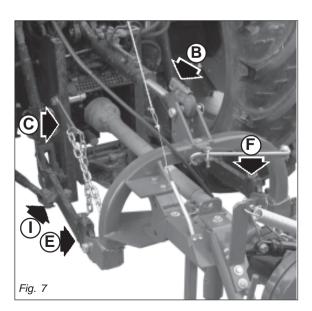
1.Back tractor into position and align draft links (A, Fig. 6) with draft link brackets on sickle bar.



CAUTION: Before you work around hitch:

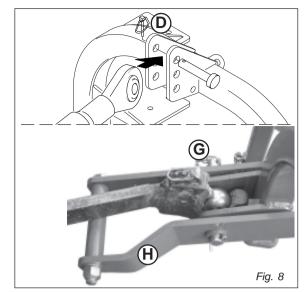
- STOP engine.
- LOCK park brake.
- FIRMLY block mower on horizontal surface.
- 2. Connect the upper third-point and correctly regulate by means of the adjuster (B, Fig. 7). Place plate (C, Fig. 7) at the left side of the hight integral with the same pin. Lock in place with the snap-in split pins (D,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





INSTALLING

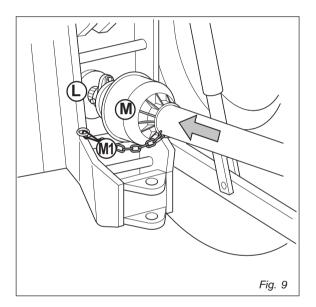
- 3. Hook the oscillating arms of the tractor to pins (E and F, Fig. 7). The hoisting arm (H, Fig. 8) must be fixed underneath the tractor arm. Lock in place with the snap-in split pins (G Fig. 8)
- 4. Lock the lift links using the relative chains (I, Fig. 7) and couplings parallel to the tractor. This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



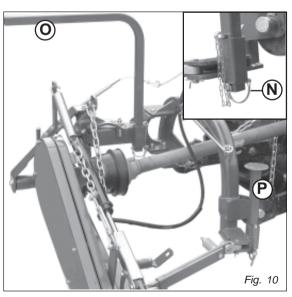
5. Install PTO shaft to tractor (Fig. 9).

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

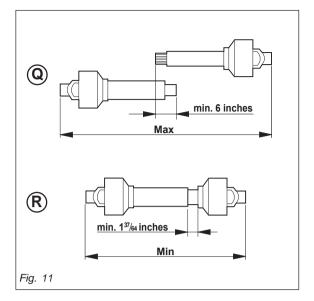
- When the PTO shaft is fully extended, the two tubes must overlap by at least 6 inches (Q Fig. 11). When fully inserted, the minimum play must be 1³⁷/₆₄ inches (R Fig.11).
- If the implement is used on another tractor, always check the above and that the guards copletely cover the rotating parts of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

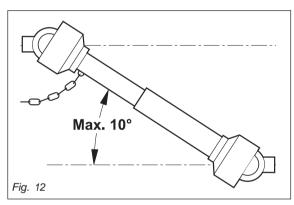


ATTENTION

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:

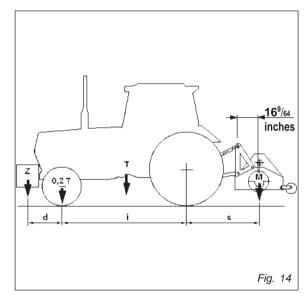
$$Z > (M \times s)-(0.2 \times T \times i)$$

(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:

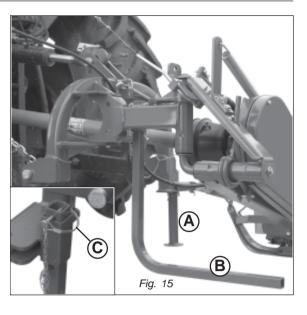
- STOP engine.
- LOCK park brake.
- FIRMLY block mower on horizontal surface.
- 4. Unhook the PTO schaft (, Fig. 16) from the tractor and put in on the special hook.
- 5. Remove quik-lock pin (D, Fig. 17) and pin (E, Fig. 17) from center link (F, Fig. 17).

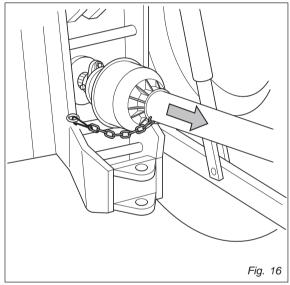
NOTE: Put quik-lock pins and pins back into brackets on sickle bar for storage.

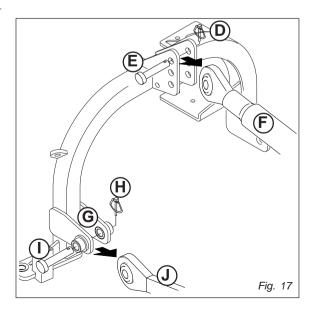
6. Remove draft links (J, Fig. 17) from draft link brackets (G, Fig. 17) by removing quiklock pins (H, Fig. 17) and pins (I, Fig. 17).

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:

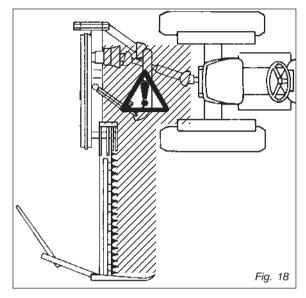
- Wear close fitting clothing
- Stop the engine and be sure PTO shaft is stopped before getting near it.





CAUTION: Before you work around hitch:

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

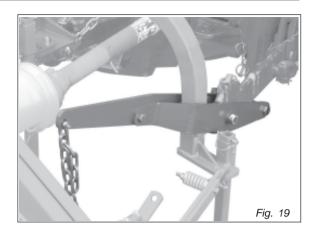


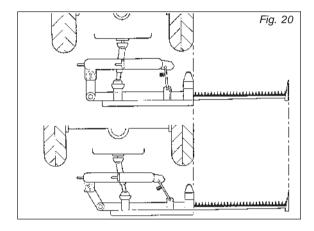
Use of MECHANICAL lifting system (Fig. 19)

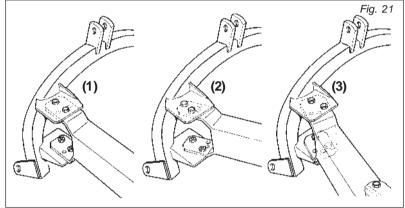
Adapting the sickle bar mower

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.



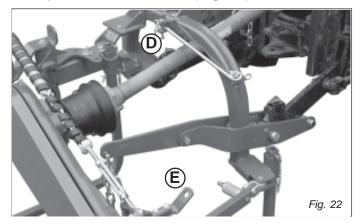


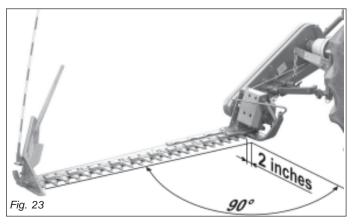


Adjustment

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.

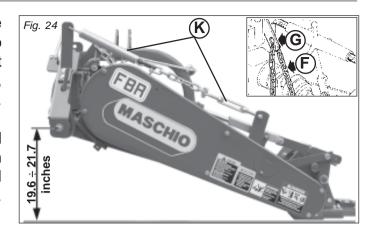
- Remove safety hook (D, Fig. 22), required only for transportation, and fit it back in the slot positioned above the chassis.
- Fit the sickle bar by adjusting the tractor tie-rods so that, when the sickle bar attachment is fitted to the three points on the tractor, the external tip of the cutting arm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



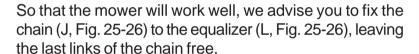


Connect one end of the chain (F, Fig. 24) to the mower using the supplied pin and the other end to a stationary point on the tractor. Adjust the height of the mower to the ground (19.6 to 21.7 inches, Fig. 24) by moving the rings of the chain (F, Fig. 24) in the hole on the plate (G, Fig. 24).
 When 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.

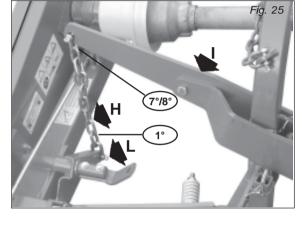
24) if necessary.

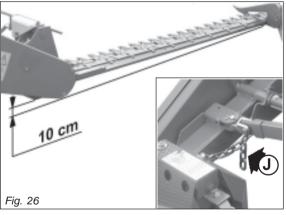


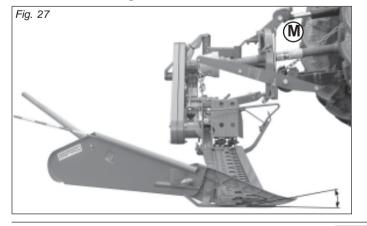
- Adjusting the hoisting chain (H, Fig. 25) so that during mowing the hoisting arm (I, Fig. 25) is free to move up and down; in this way, the cutting arm can follow any unevenness of the ground.
 So that the mower will work well, we advise you to fix the chain (H Fig. 25) to the lifting arm (I Fig. 25) 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.

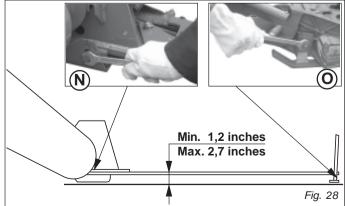


- Adjust inclination of the cutting arm teeth using tie rod (M, Fig. 27).
- Adjust the cutting height (Fig. 28) by moving the mowing bar on the holes of the inner mowing bar support (N), and, turning the nut of the outer mowing bar support (M), bring it level with the ground.



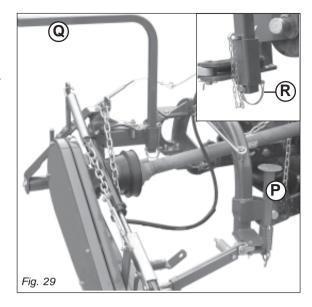






Mowing

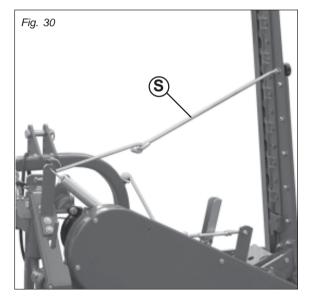
 Remove the supports (P and Q, Fig. 29) and remount them, upside-down in their seat. Install spring locking pin in order to secure parking stand (R).

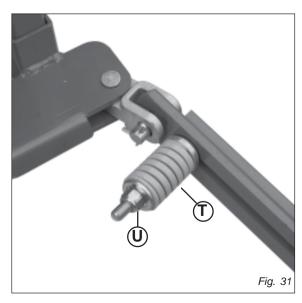


- Remove tie rod (S, Fig. 30) from the cutting arm.
- The sickle bar is fitted with a safety device for protection against obstacles. If this device is tripped by impact with an obstacle, stop the tractor without raising the cutting arm. Check that the cardan shaft has not become seperated, if so, reassemble 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.

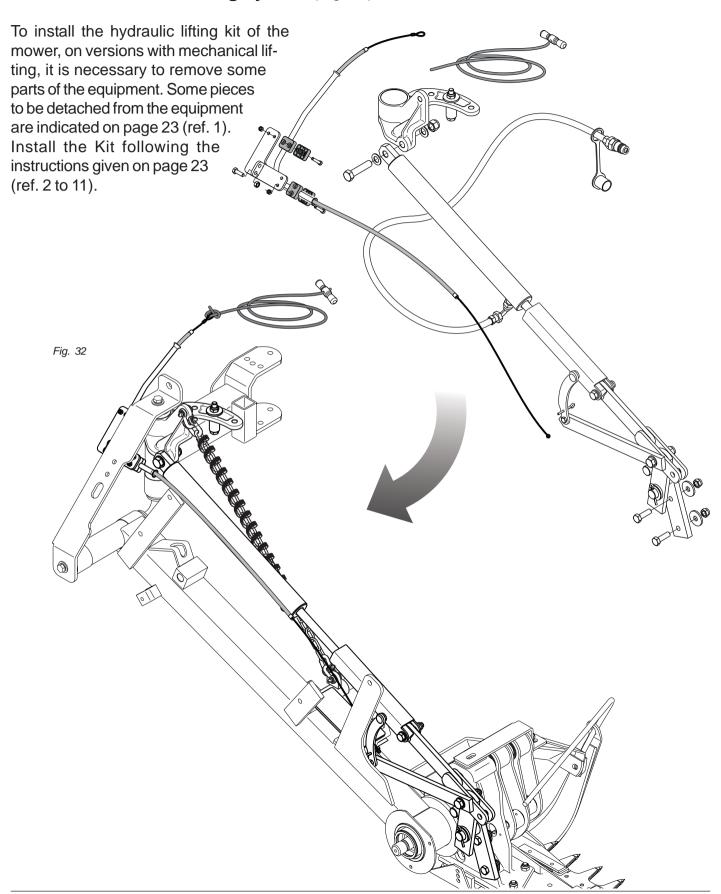


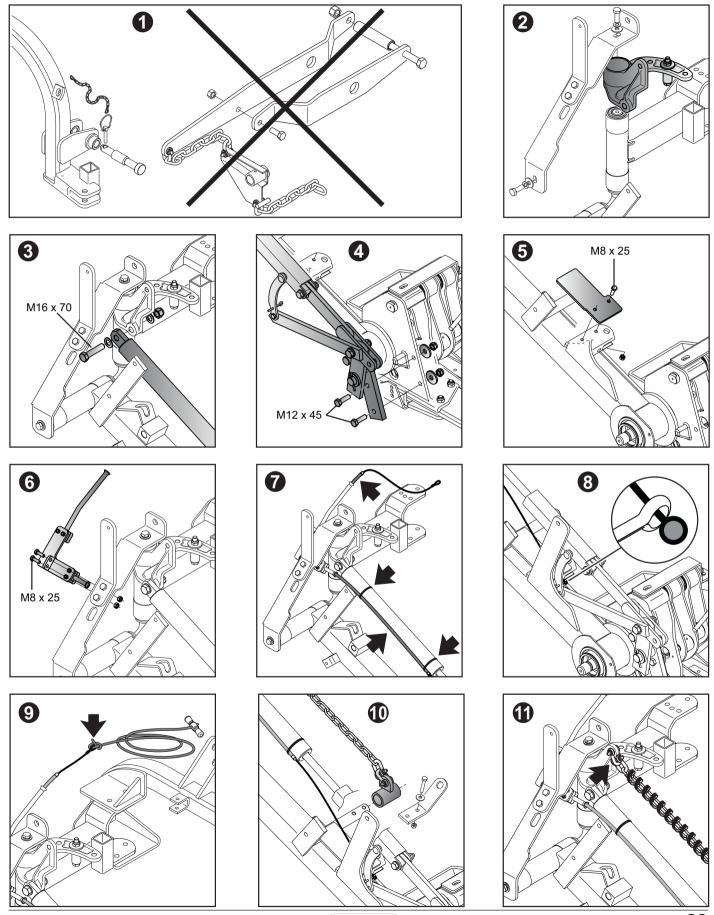
- Always raise the implement in order to reverse or change direction.
- The cutting arm should not be raised abruptly in order to avoid damaging the cutting blades.
- Power take-off must not exceed 540 r.p.m.
- Never run the engine at maximum power while mowing.
- In order to prevent breakages or damage,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

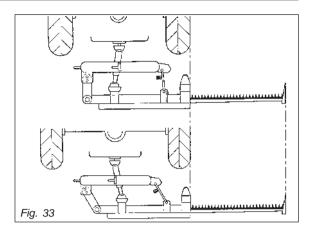


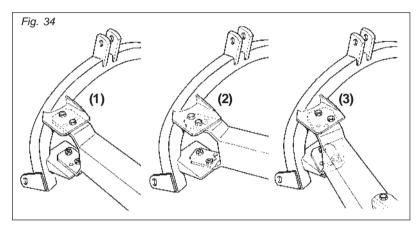


Adapting the sickle bar mower

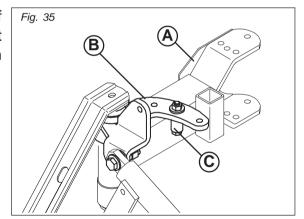
To ensure optium use, the sickle bar must completely project from the tractor (Fig. 33); three situations are shown in the Figure 34:

- 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.

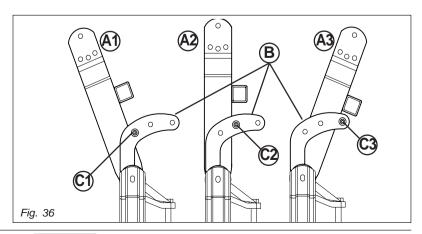


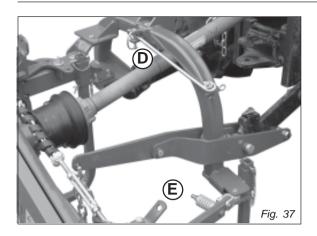


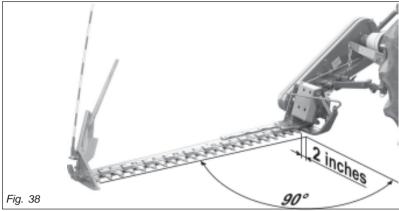
When the frame joint is moved (A, Fig. 35), the position of the stop bushing (C, Fig. 35) of the cylinder linkage must consequently be changed, according to the cases shown in figures 35 and 36.



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



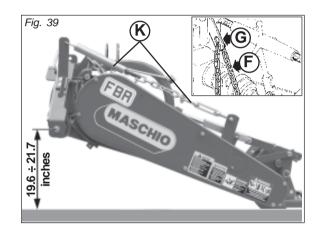


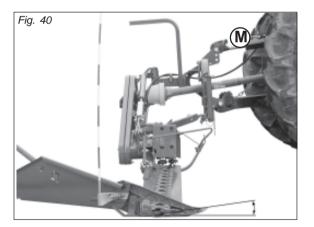


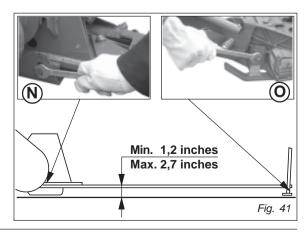
Adjustment

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.



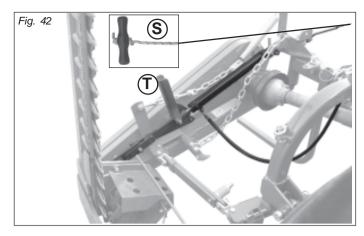




Using the lifting device

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

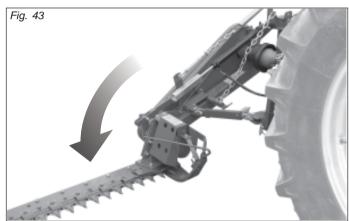
- release the blade tie rod;
- remove the support prop;
- remove the blade protection.



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.

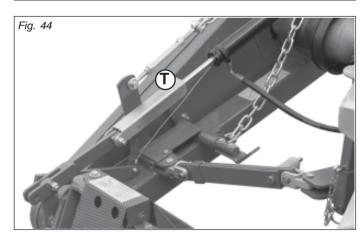


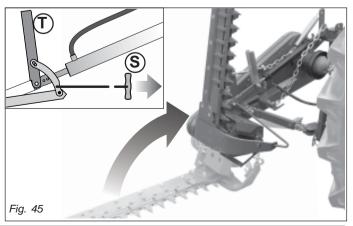


CAUTION: While working regularly check that the bracket (T) is still resting along the cylinder rod (Fig. 44).

Raising of the cutter bar for road transport

- 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.

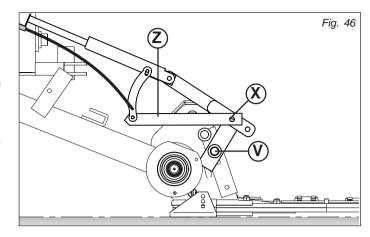




Mowing on flat ground (or ground with small depressions)

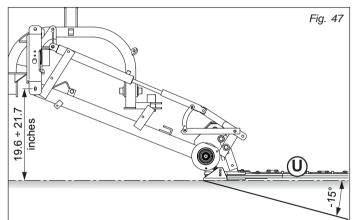
For mowing operations on level ground, couple the lever mechanisms (V and Z, Fig. 46) in position (X, Fig. 46).

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

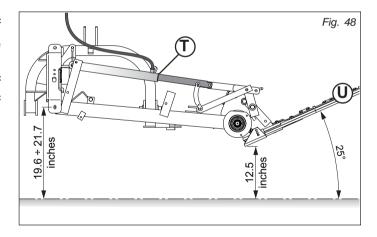


With the rapid lifting device engaged, the bar (U, Fig. 47) has a negative inclination of -15° with respect to the horizontal plane during mowing, and a positive inclination that varies according to the lie of the land.

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

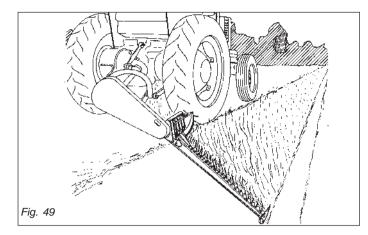


The operation of the lifting device up to the stop of the bracket on the cylinder (T, Fig. 48) allows the equipment to be raised by approx. 12.5 inches from the ground and, at the same time, an inclination of the blade (U, Fig. 48) of + 25°, so that the end of field maneuvers can be carried out.



Mowing on slopes

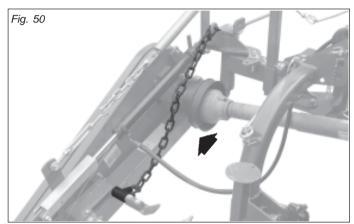
Figure 49 show type of mowing on sloping ground (banks, canals, etc.).





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.



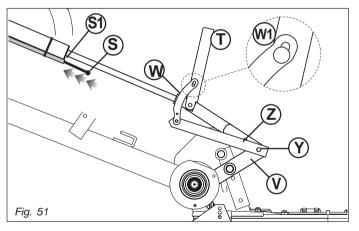
Only for mowing on sloping ground, it is necessary to prepare the machine according to the instructions given below:

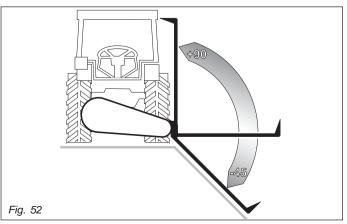
- 1) Move the lever mechanisms (V and Z, Fig. 51) to position (Y).
- 2) Lift the bracket (T) as shown in Figure 42, and lock it with the rod (W) in the lower position of the slot (ref. W1, Fig. 51).
- To avoid unpleasant problems during movement of the cutter bar, detach the steel cable (S) from the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

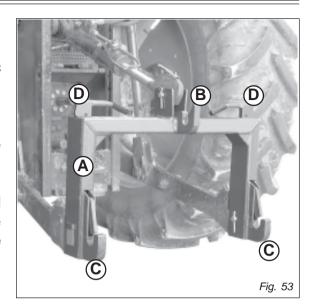




Quick Coupler

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

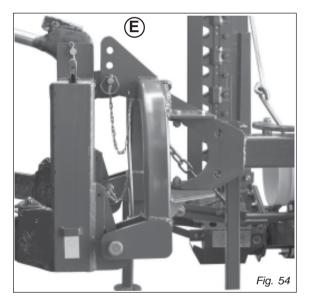
- 1) Install hitch Quick Coupler (A, Fig. 53) on the tractor (see tractor operator manual).
- 2) Parking the sickle bar on a flat and compact ground supported by the relative supports. Then slowly move the tractor back until the Quick Coupler (A) is in range with the point hitches (B and C, Fig. 53).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





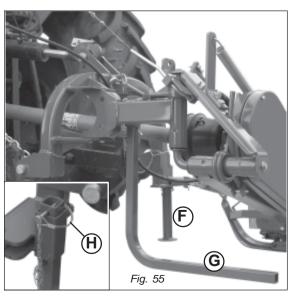
CAUTION: Before you work around hitch:

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



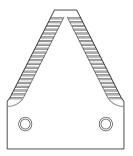
Removing sickle bar mower with Quick Coupler

- 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

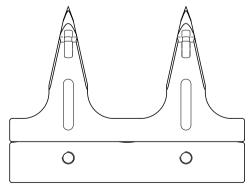
TYPE OF THE GROUND		TYPE OF THE FORAGE			
		Dry and lignificated (gramineae)	Humid, packed and low (cat coat)	Humid and packed (Lucerne-Clover)	Big and high (forage of the sorghum, corn)
Level	Normal	DS - SD/SN	DS - SD	DS - SN	DS - SN
Le	Stny field	DS - SD/SN	DS - SD	DS - SN	DS - SN
≣	Normal	DS - SD/SN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



Normal Section (SN)



Self sharping double section (SD)



Replaceable Tooth (DS)

SERVICE MACHINE SAFETLY

Practice safe maintenance

- Understand service procedure before doing work. Keep area clean and dry. To avoid ...
- 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.

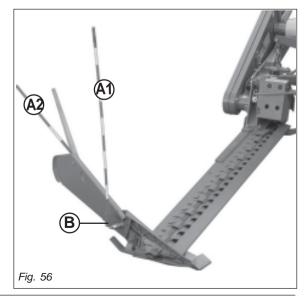
Bolts tightening torques - settings given in Nm (lb-ft)

(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.



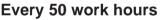
- Always keep oils and greases well away from children's reach.
- Always thoroughly read the warnings and precautions indicated on the containers. Avoid contact with the skin.
- Always thoroughly and fully wash after use. The utilized oils should be treated in compliance with the current anti-pollution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

Routine maintenance

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

Every 8 work hours

- Grease points (A, 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.



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

Periodically (6 months)

• Grease point (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.

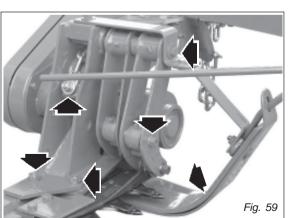


Fig. 58

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

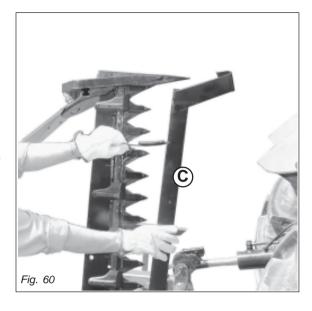
At the start of each season it is important to check that the connection between the tooth-holding bar (D, Fig. 61) and the blade guide (E) is correct.

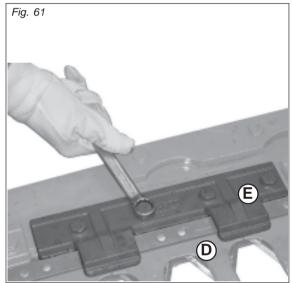
After many hours of work, wear of the blade guide material may be seen, and this will cause an increase in the coupling tolerance with the tooth blade.

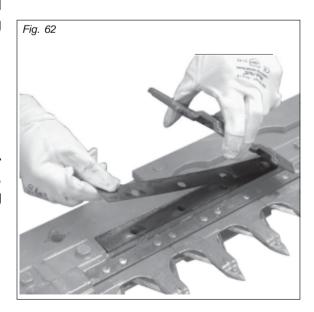
It is therefore advisable to restore the correct tolerance:

- 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.





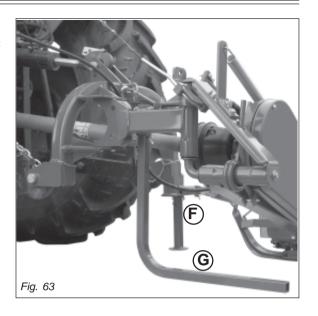


Storage

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.

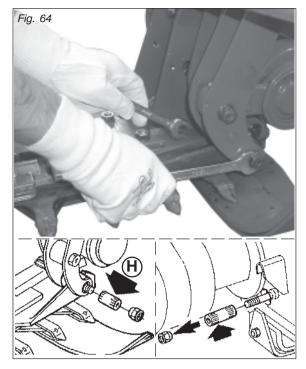


Extra maintenance



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.

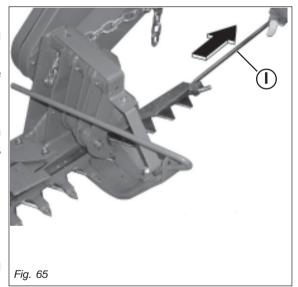


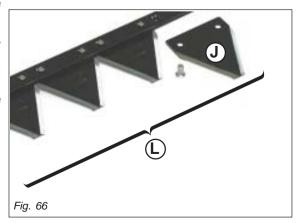
Replacement of section-holding bar (L, Fig. 66)

- 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

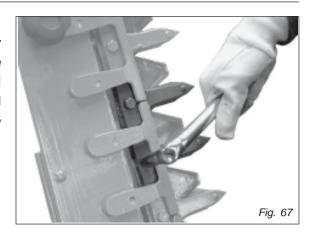
- Unscrew the screws (O, Fig. 69) and remove the protective casing.
- Loosen the belt tensioner completely (P, Fig. 69).
- Replace the worn belts with new ones.
- Put these at the optimum tension using the belt tensioner.
 Belt play should not exceed 1 inch.
- Put the protective casing back in position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

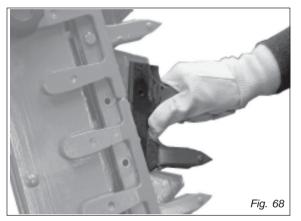
Replacement of pulleys

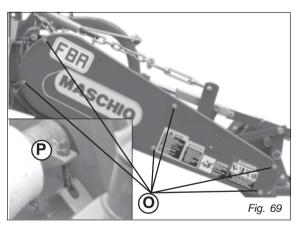
Notes for replacement of pulleys, if necessary.

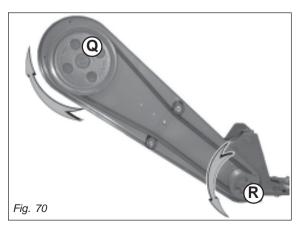
- Unscrew the screws (O, Fig. 69) and remove the protective casing.
- Loosen the belt tensioner completely (P, Fig. 69).
- · Remove the belts.

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



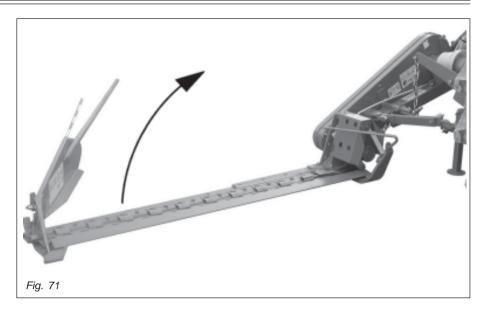






TRANSPORT ON THE ROAD

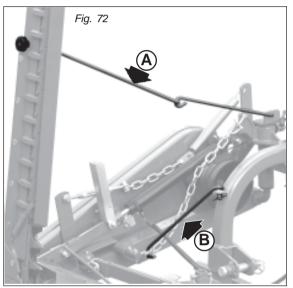
Transport on road

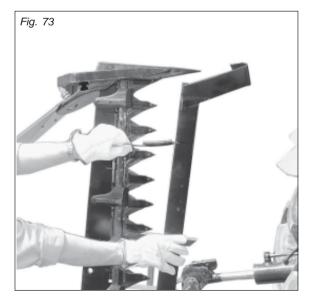


For transport, adjust and fix the chains of the side lifting arms of the tractor; lift the mowing bar (Fig. 71); secure it with the hooking tie rod (A, Fig. 72); slide in the safety hook (B, Fig. 72); cover the cutting blades and the outer mowing bar support with the guards provided (Fig. 73); lift the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

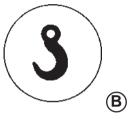
When the machine is demolished the identification label must be destroyed together with this manual.

ASSEMBLY

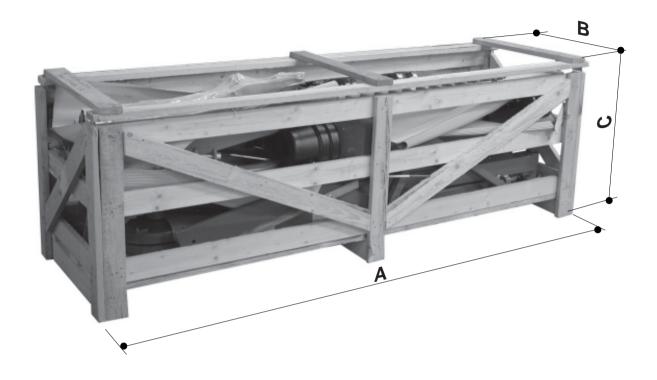
Foreword

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.



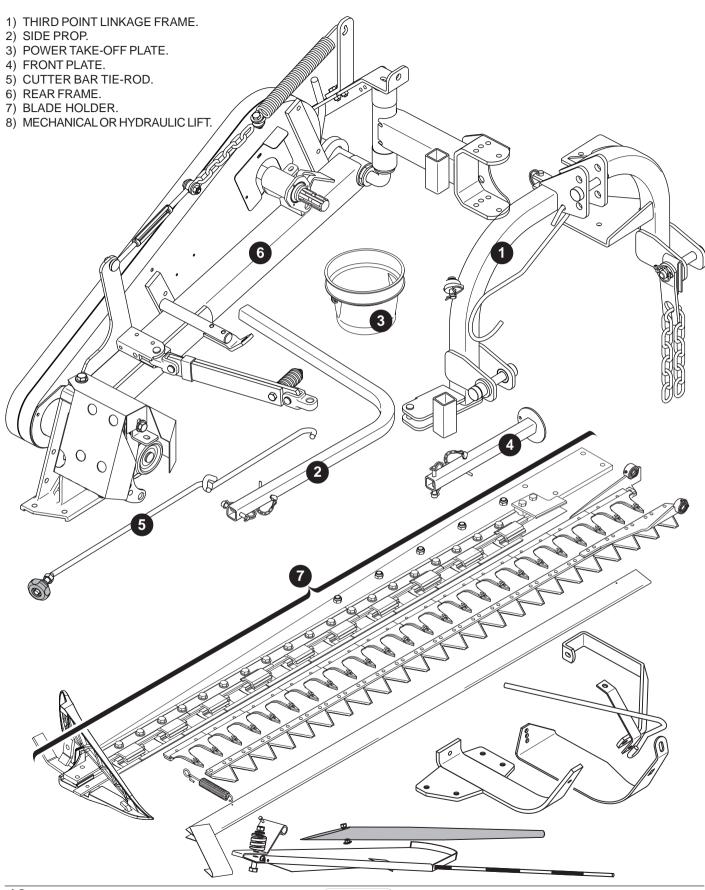


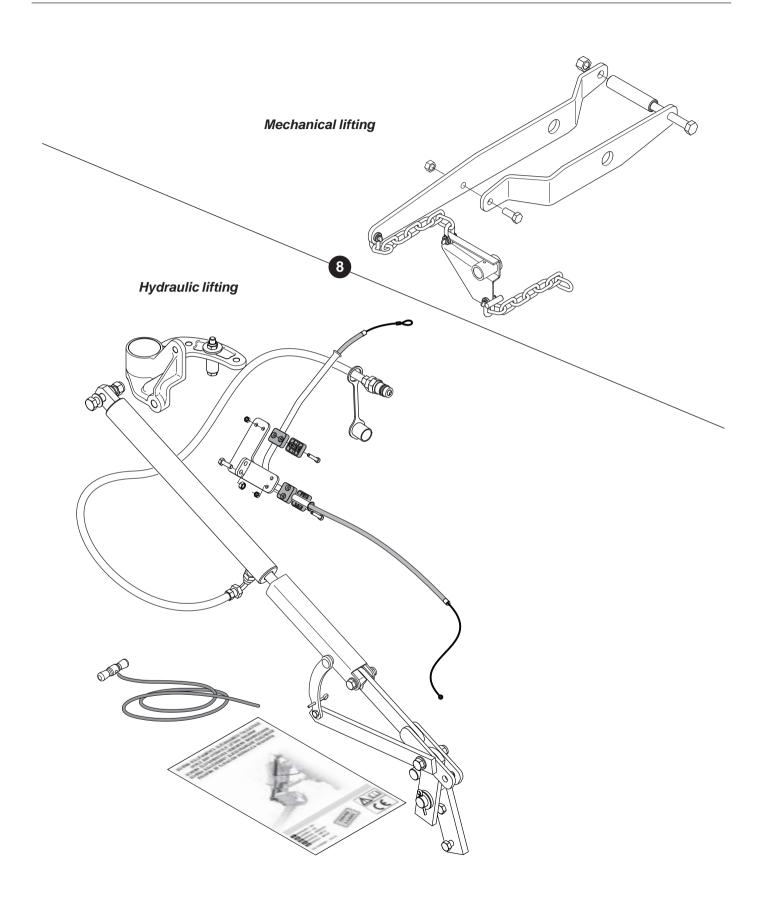
Dimensions and weight

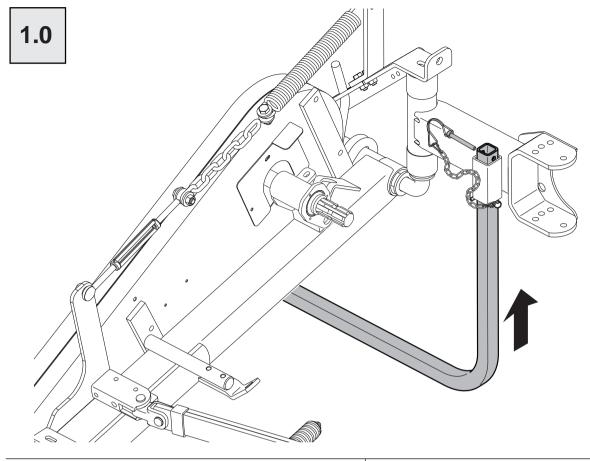


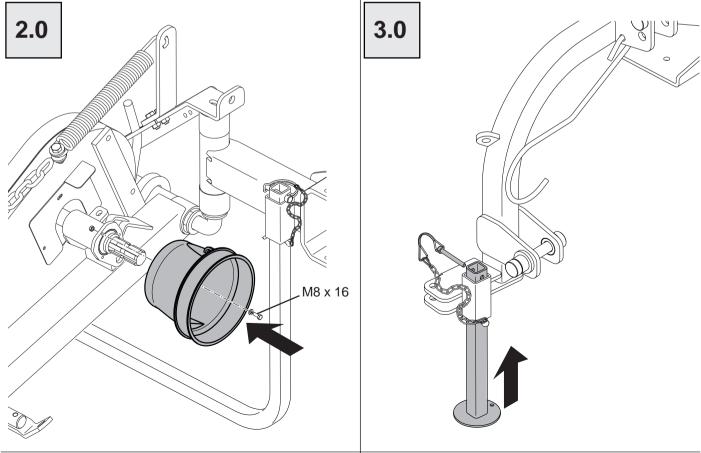
TYPE	A (cm - inch)	B (cm - inch)	C (cm - inch)	(kg - <i>lb</i>)
FBR <i>Plus</i> 175 (X2)	234 - 92	70 - 27.5	74 - 29	520 - <i>1145</i>
FBR <i>Plus</i> 205 (X2)	234 - 92	70 - 27.5	74 - 29	560 - <i>1235</i>
FBR <i>Plus</i> 235 (X2)	275 - 108	73 - 28.7	72,5 - 28.5	600 - 1320
FBR <i>Plus</i> 175 (X5)	234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

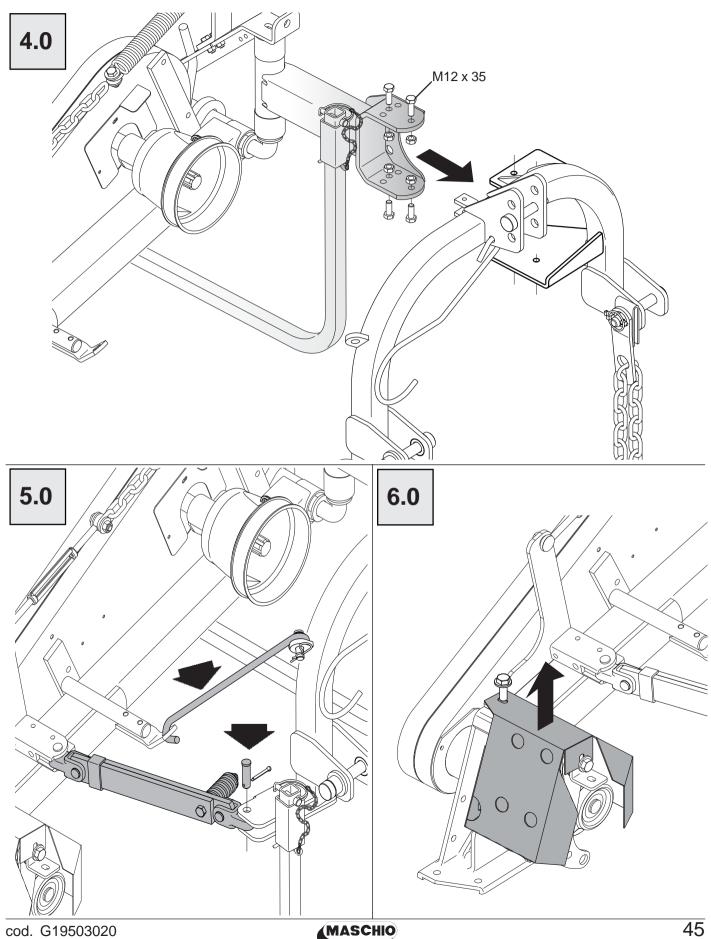
Sickle bar components

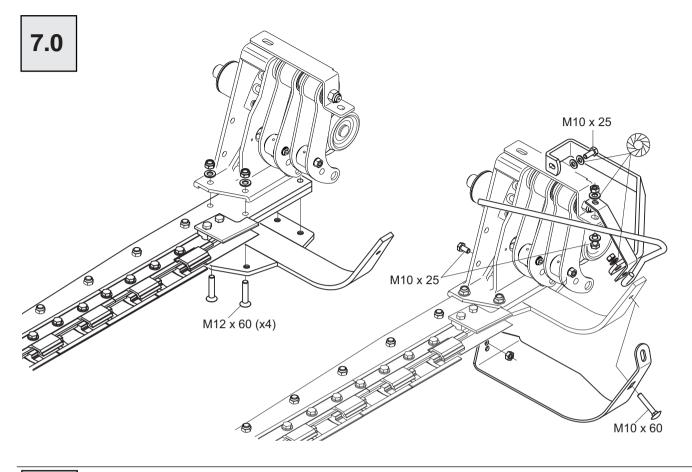


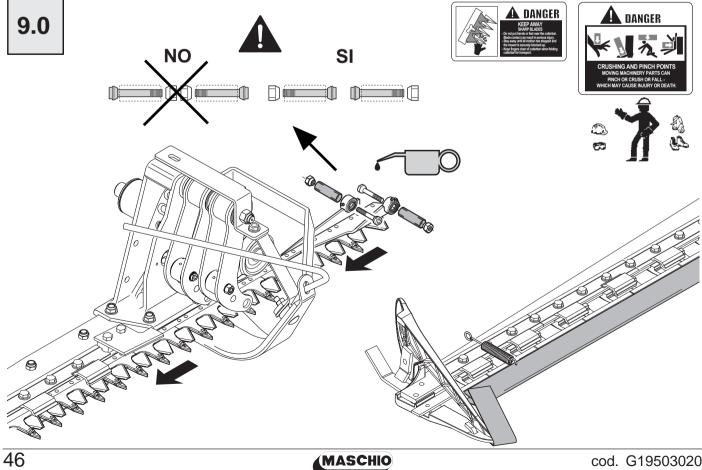


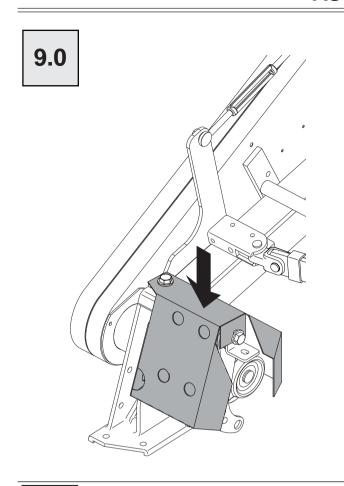


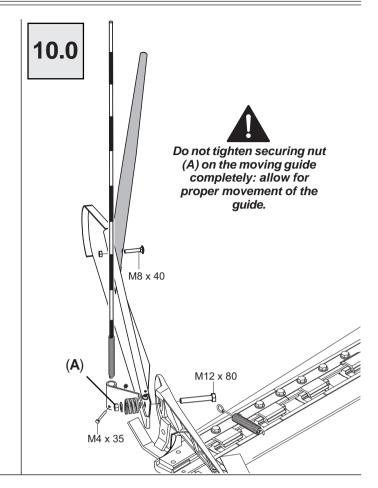


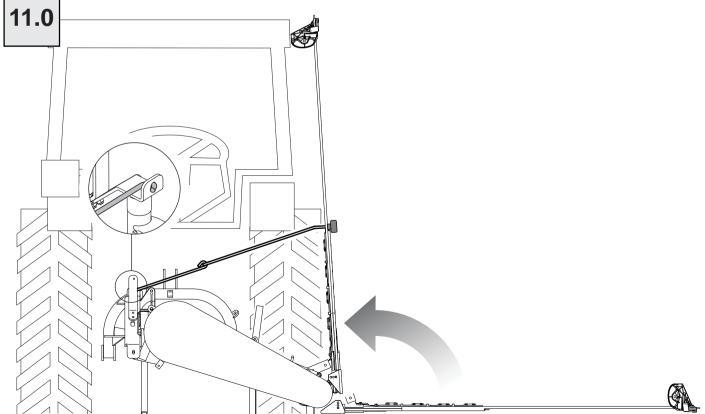




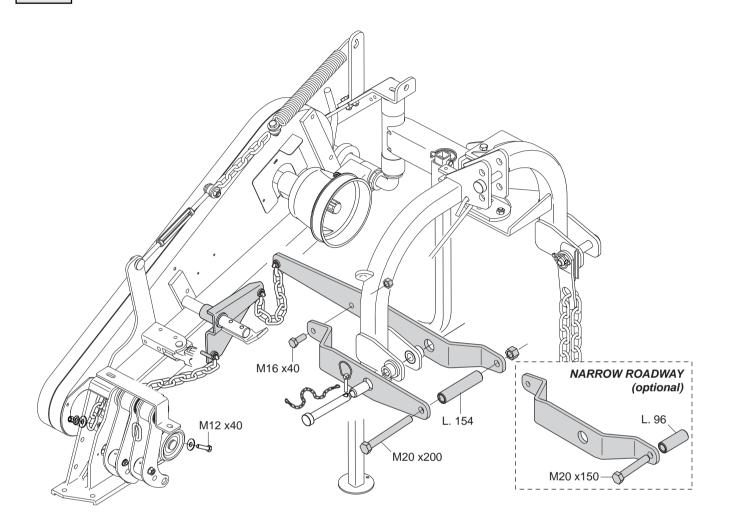








11.0



Spare parts

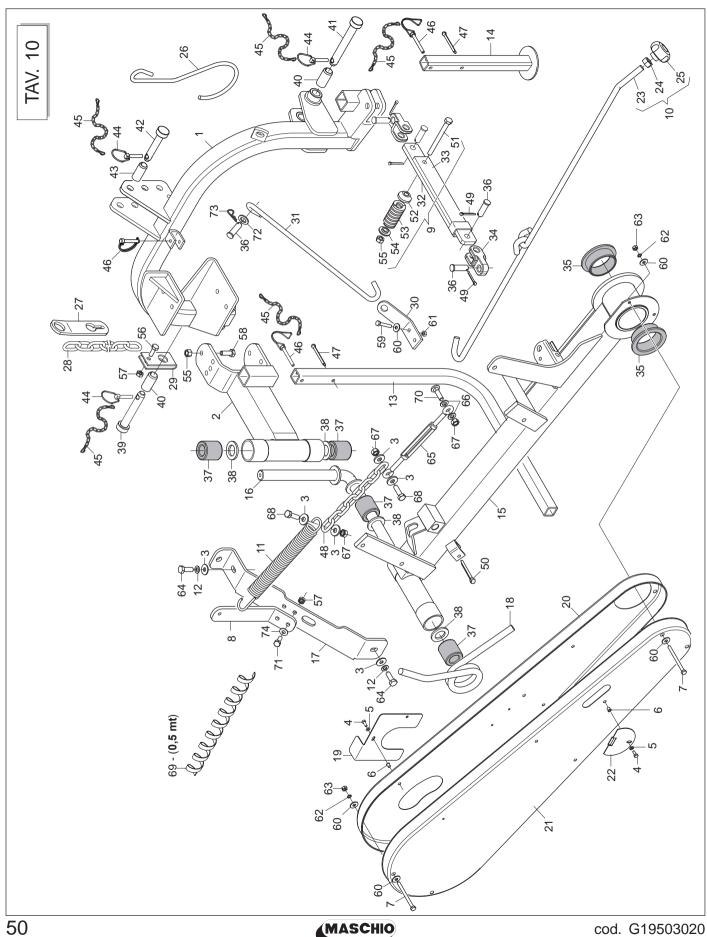
Orders must be transmitted through our area dealers and should always include the following indications:

- 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.

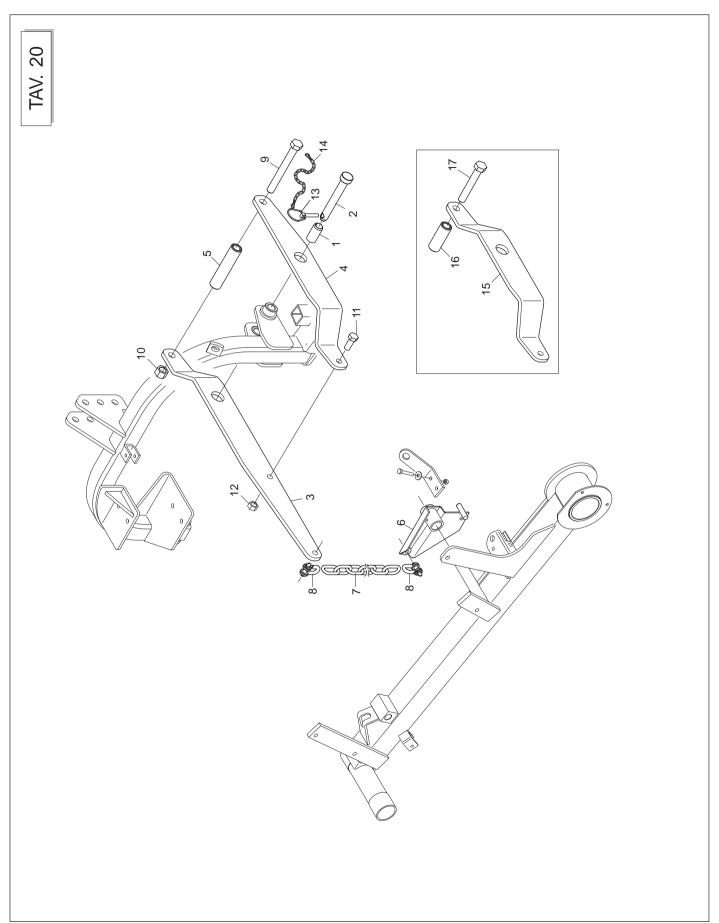
NOTE: The terms Right or Left indicated in the descriptions refer to the implement when viewed from the rear side.

Table index

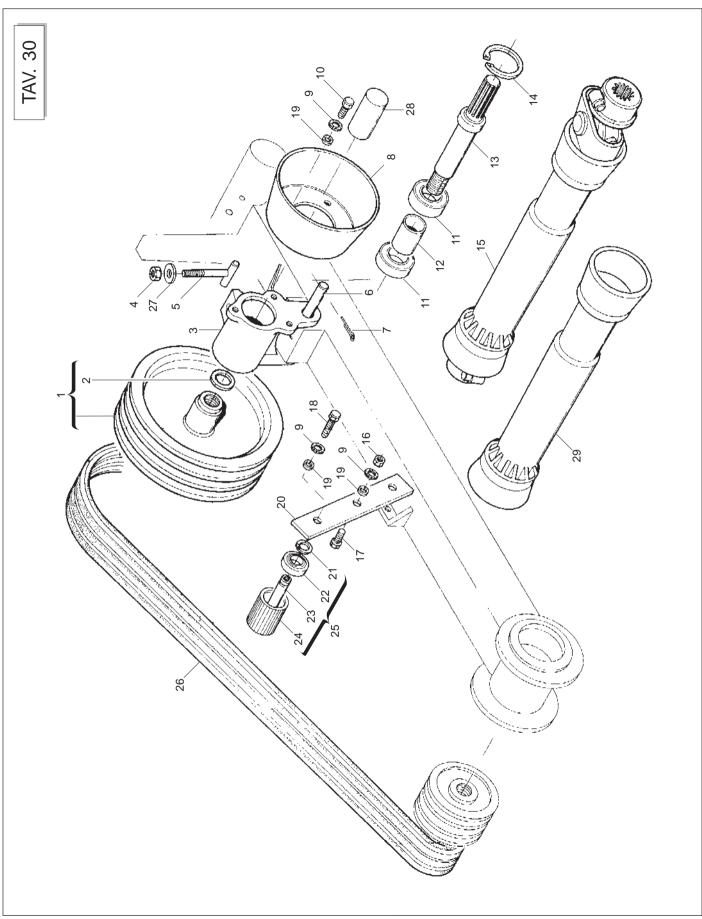
Frame	Tav. 10 pag. 50
Mechanical lifting system	Tav. 20 pag. 52
Transmission	Tav. 30 pag. 54
Hinge	Tav. 40 pag. 56
Blade holder	Tav. 51 pag. 58
Cutting blade	Tav. 61 pag. 60
Hydraulic lifting system	Tav. 71 pag. 62



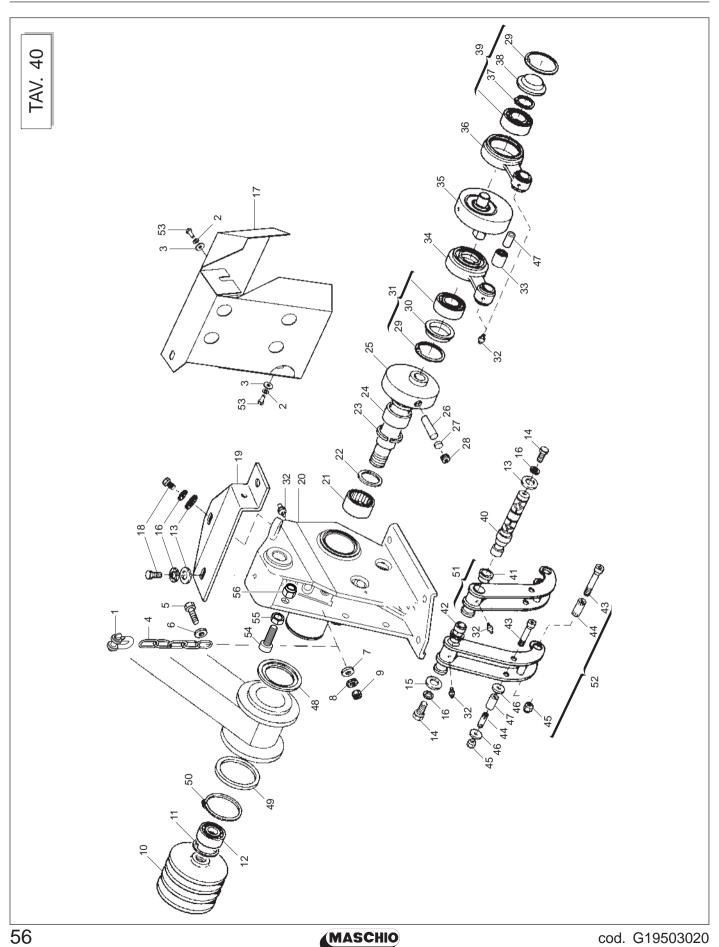
00s.					
← (Cod.	Description	Pos.	Cod.	Description
(G12217592	FBR FRAME	38	G20970067	WASHER 54X5X32
N	G12217821	JOINT	39	F20100047	PIN
က	G20970035	WASHER 32X4X13	40	G21010042	BUSHING 12. POINT
4	F01020403	BOLT M 6X16	41	F20100115	GASPARDO PIN 22X144 ZN
2	F01410037	PLANE WASHER D.6	42	F20100035	PIN
9	F02250680	THREADED INSERT M6X13 ZN	43	G12217660	THIRD POINT BUSH
7	F01020092	BOLT 8 X110 5737 8.G GALVANIZ.	44	F02200507	SNAP PIN D 9 B/83
œ	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	51	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	99	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



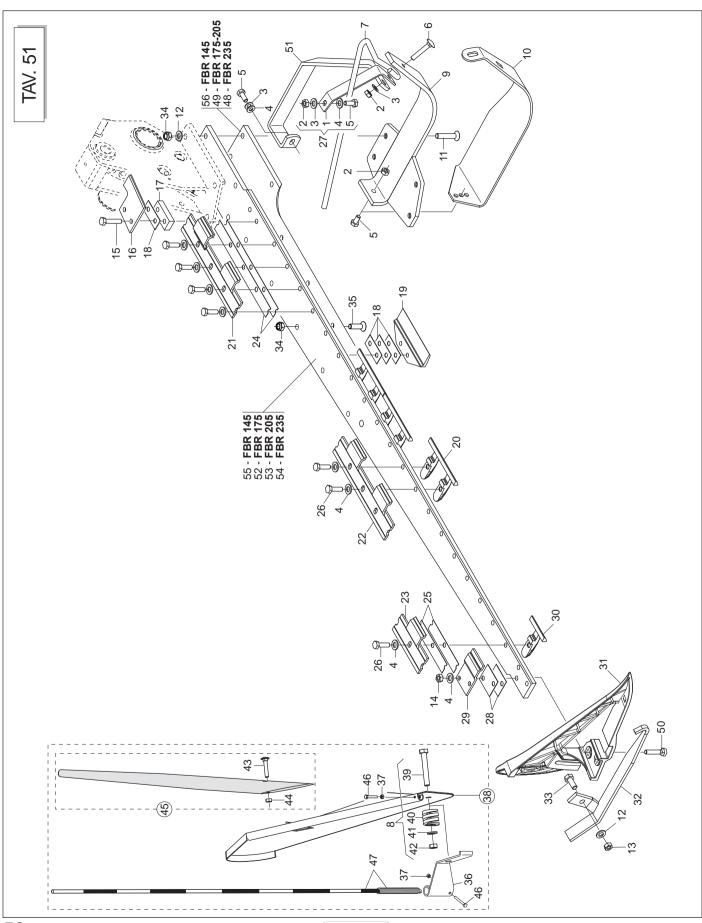
	MECHANICA	MECHANICAL LIFTING SYSTEM			TAV. 20	0.
Pos.	. Cod.	Description	Pos.	Cod.	Description	
_	G21010042	BUSHING 12. POINT				
0 6	F20100115 G12217600	GASPARDO PIN 22X144 ZN I ONG ARM				
) 4	G12217610	SHORTARM				
2	G12217620	ARM SPACER				
9	G21120006	LIFTER ROCKER				
7	G21120007	ARM SIDE CHAIN L.600				
∞	F02250667	CLEVIS- 3/8- GALVANISED-ART.				
6	F01020323	SCREW M20X200 U5737 8.8 ZB				
10) F01220092	SELF LOCKING NUT M20X2,5 980V				
1	F01020566	BOLT M16X2X40				
12	2 F01220266	NUT M16X 2 D980 8 ZG				
13	3 F02200507	SNAP PIN D 9 B/83				
14	4 G13812311	CHAIN WITH SPRING CATCH				
15	5 G12217970	NARROW ROADWAY ARM				
16		ARM SPACER				
17	7 F01020317	BOLT M20X2,5X150				



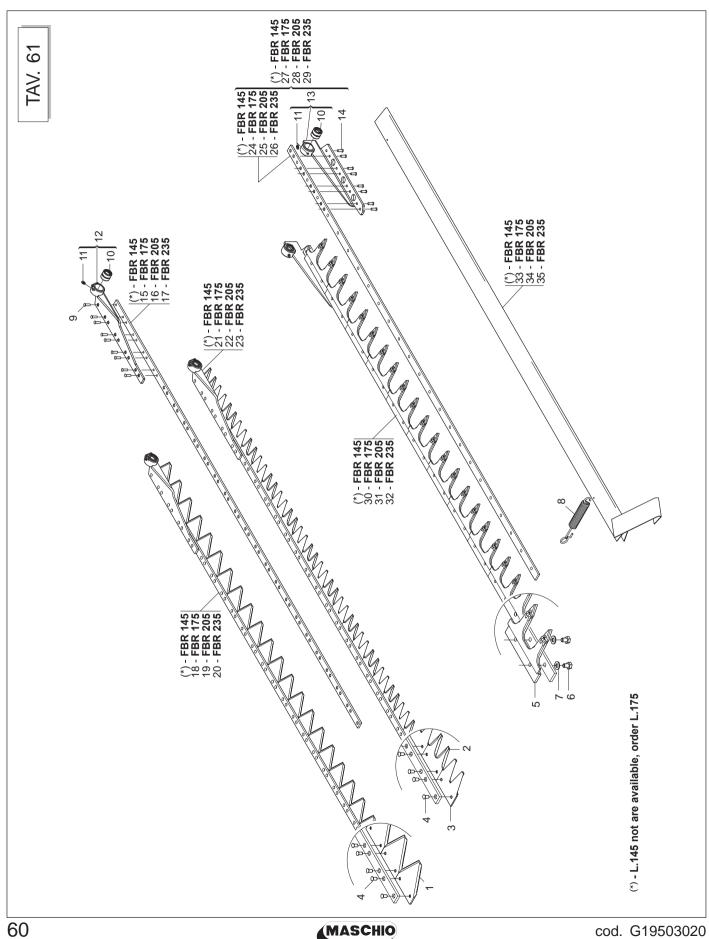
Pos. Cod. 1 G21 2 G20 3 G21 4 F01; 5 G21 6 G21 7 F02; 7 F0	od.	-				
		Description	Pos.	Cod.	Description	
	G21120117	3 GROOVE DRIVING PULLEY				
	G20970129	WASHER 48X3X30-5				
	G21030015	PTO SUPPORT				
	F01200306	NUT M14X2				
	G21120318	BELT REGISTER ASSY. FB940				
7 F(G21120013	INTERM. TRANSM. SUPP. PIN				
	F02200227	SPLIT PIN 5 X30 1336 GALVAN.				
8 FC	F05150403	POWER TAKE-OFF PROTECTION HOUS				
9 FC	F01430059	WASHER D8 DIN 6798 D.INT.ZN				
10 FC	F01020432	BOLT M 8X16				
11 FC	F04010174	BEARING 6206 2RS				
12 G	G21030020	SPACER				
13 G	G21120152	POWER TAKE-OFF FB				
	F02050392	SEEGER RING E. 62X 2 U7437 C70				
	F08011931	UNIVERSAL JOINT B3 1200 AM				
	F01200244	NUT M8				
	F01060043	BOLT 8 X35 5732 4.6 GALVANIZED				
	F01020440	BOLT M8 X25 5739 8.8 ZN				
19 G	G20970140	WASHER 20X2X8,5				
20 G	G21120226	BELT TIGHTENER ROLLERS SUPPORT				
21 FC	F02050056	SEEGER RING E. 17X 1 U7435 C70				
	F04010161	BEARING 6203				
23 G	G21120119	3 GROOVE P.TIGHTEN. PIN				
24 G(G66248107	BELT TIGHTENER L.70 FB				
25 G	G21120121	TIGHTENER ROLLER 3G. CP				
26 FC	F06010240	BELT- B 93				
27 FC	F01410088	WAS.M14 15X 28X2,5 U6592 ZB				
	G19002131	POWER TAKE-OFF PROTECTION HOUS				
29 FC	F08011933	SAFETY GUARD AM				



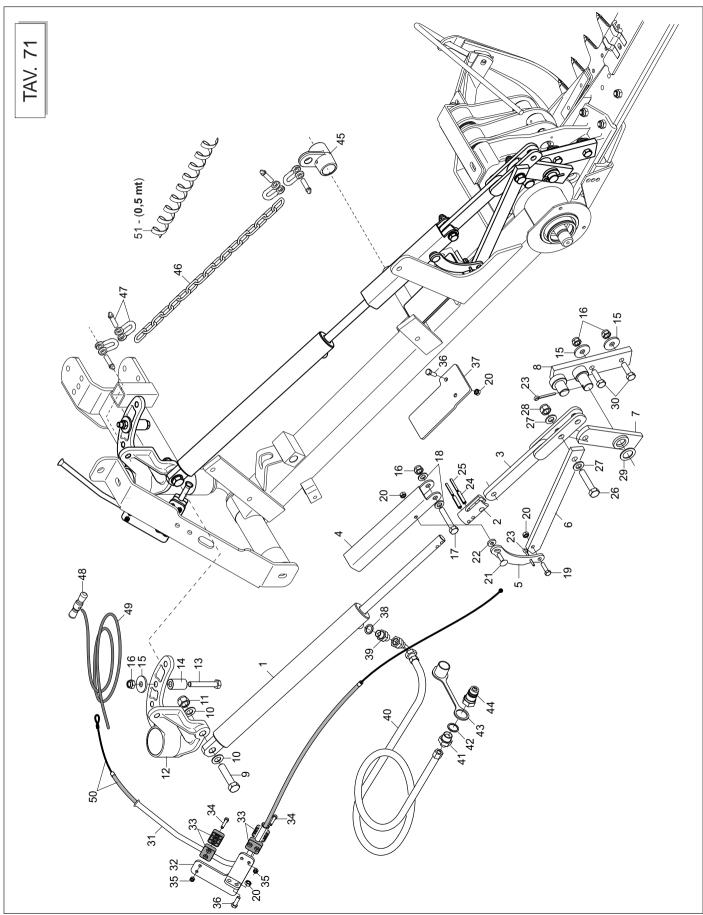
	VIS- 3/8- GALVANISED- ART. SHER D6 DIN 6798 D.INT.GALV.	Pos.	Cod.	Description	
	SHER D6 DIN 6798 D.INT.GALV.	38	G21120028	PROTECTION PLUG	
		39	G21120154	KIT- EXT. CONN. ROD BEARING FB	
	FLAT WASHER 6-6X 18X2 6593 ZN	40	G21120224	HINGE BLADE SHAFT - ASSY.	
	ARM SIDE CHAIN L.600	4	G21120067	BRONZE BUSHING	
	SCREW 12X40 5739 10.9 ZN	42	G21120225	BLADES SPACER FB/S	
	WASHER 35X8X13	43	G21120071	PIN FASTENING BOLT	
	WASHER 32X4X13	44	G21120069	EXPANSION PIN FB	
	WASHER D12 DIN 6798 D.INT.ZN	45	G21120068	CONICAL NUT	
	NUT M12	46	G20970519	BOTTOMED WASHER 39X20-25X5X1	
	3-GROOVE DRIVEN PULLEY	47	G21120137	INTERNAL RING FB	
F02050392 SEE	SEEGER RING E. 62X 2 U7437 C70	48	G21120018	ANTERIOR WASHER	
F04010171 BEA	BEARING 6206 Z	49	G20970023	WASHER 102X2X75-2	
F01420060 WAS	WASHER 10,5X30	20	F02050642	STOP RING 75 UNI 7435-75	
F01020479 BOL	BOLT M 10X35	21	G21120070	BLADE W/ BUSHINGS	
G18701140 WAS	WASHER 11 X 35 X 5	25	G21120156	KIT- BLADE FASTENING PIN FB	
F01430023 WAS	WASHER D10 DIN 6798 D.INT.ZN	23	F01020403	BOLT M 6X16 5739 8.8 GALV.	
G12236490 CON	CONNECTING-ROD SYSTEM GUARD	24	F01040162	BOLT M 6X40 5931 8.8	
F01020472 BOL	BOLT 10X25 5739 8.G GALVANIZED	22	F01200324	NUT 16 UNI 5588 8.8 GALVANIZED	
	BLADE SHAFT SUPPORT FB/S	26	F01220266	NUT M16X 2 D980 8 ZG	
_	GE				
F04010363 BEA	BEARING DHK 5025				
F03011069 SEA	SEALING RING DH 50X58X4				
F04010409 SHO	SHOULDER RING WR 45				
F04100131 INTE	NTERNAL IR. RING 45X50X35				
G21120223 HING	HINGE SPINDLE FB/S				
G21120126 CON	CONIC PIN FB				
G21120136 PIN 8	PIN SPACER FB				
G21120127 PIN (PIN GRUB-SCREW FB				
F02050403 SEE	SEEGER RING E.72X2,5 U7437 C70				
G66248111 SAFE	SAFETY GUARD AM				
G21120153 KIT-	KIT- INT. CONN. ROD BEARING FB				
F01100011 SPH	SPHERE NIPPLE M6X1/A				
F04010362 BEA	BEARING DHK 2538				
G21120128 PIN	PIN HINGE CONNECTING ROD FB				
G21170020 HING	HINGE ECCENTRIC				
G21170021 OUT	OUTER CONNECTING ROD				
F02050112 SEE	SEEGER RING 30X 1,5 U7435 C70				



Oct Description Pos. Cod. G21120321 INNER SLIDE SPACER FB940 38 G21120134 F01300222 WASHER D10 DIN 6798 D.INT.ZN 40 G65338001 F01430023 WASHER D10 DIN 6798 D.INT.ZN 41 F01410076 F01400242 WASHER M10 10,5X20X2 U6592 ZN 41 F01410076 F01600041 BOLT 10X25 67324 & GALVANIZ 41 F01400076 F01600081 BOLT 10X25 67328 & GALVANIZ 44 F01230034 G21120322 HINGE PROTECTION FB940 47 G130146004 G21120322 HINGE PROTECTION FB940 47 G130166004 G21120322 HINGE PROTECTION FB940 47 G130166004 G21120324 HINGE PROTECTION FB940 47 G13017620 F01300293 HUNGE WILL SUBS B S ALVANIZ 48 G13013030 F014200204 BOLT 12X60 5933 8 GALVANIZ 48 G13013030 F01200203 NUT M10X 1, 5 D980 8 ZN 51 G13014250 F01200203 NUT M2X 1, 5 D580 8 ZN 51 G13014250 G2112004	-	_		-		TAV. 51	
C21120321 INNER SLIDE SPACER FB940 38 G21120134 C11300270 NUT MITXT 15 U588 8 8 ZN 39 F01060105 F01300270 NUT MITXT 15 U588 8 12 NT ZN 41 F0140005 F01410064 MASHER D10 DIN F98 DINTZN 41 F0140005 F01020472 MASHER M10 (1)5x20x2 U6852 XN 41 F01410076 F01020472 BOLT 10X25 5739 8.G GALVANIZED 42 F01230059 F01020472 BOLT 10X25 5739 8.G GALVANIZED 42 F01230059 F01020403 HINGE PROTECTION FB940 45 G203000061 G21120324 HINGE PROTECTION FB940 47 G13013006 F01020012 MVASHER DLY ZDIN G798 D.INTZN 49 G13013070 F01200203 NUT MIXX.175 U588 8.8 ZN 51 G13013070 F012002041 SCREW M10X.15X50 U577 8.8 ZN 51 G13013070 F01200203 NUT MIXX.175 U588 8.8 ZN 51 G1301306 G21120045 NURRE LOMER BLADE GUIDE EXT REMOVAB 51 G1301307 G2120046 NURRE LOMER BLADE GUIDE EXT REMOVAB G1301460	Pos.	Cod.	Description	Pos.	Cod.	Description	
F01200270 NUT M10X 1,5 U558B 6 8 ZN 9 F01060106 F01430022 NUT M410X 1,5 U558B 6 8 ZN 42 F01060106 F01410064 WASHER D10 DIN 6798 D.INTZN 40 G5533801 F01020472 BOLT 10X25 6739 8 C GALVANIZED 42 F01230059 F01020472 BOLT 10X56 5732 4 GALVANIZED 42 F01230059 F01020021 BOLT 10X60 5732 4 GALVANIZED 43 F0106004 G21120322 HINGE PROTICTION FB940 44 F01230059 G13013020 INTERNAL RUNNER 45 G20800006 G21120323 SWATHBQARD BOLT ASSY.FB 46 F01020011 G21120324 RUNNIRE WINE INT. SLIDE FB940 47 G13011660 F01430071 WASHER D12 DIN 6798 D.INTZN 46 G1301307 F01420033 NUT M12X.1,75 U5688 6.8 ZN 50 G1301420 F01420043 NUT M12X.1,75 U5688 6.8 ZN 51 G1301420 G21120044 SCREW M10X.1,50 U578 D.INTZN 52 G1301346 G13013161 UPPER BLADE GUIDE ES940 51 G1301460 G13013161 UPPER BLADE GUIDE EXPOVABE 51 G1301460 G13013161 UPPER BLADE GUIDE EXILOMORABE TI 61301460 <	_	G21120321	INNER SLIDE SPACER FB940	38	G21120134	SWATHBOARD - ASSY. FB	
F01430023 WASHER D10 DIN 6798 D.INT.ZN 40 G65338001 F01430024 WASHER D10 DIN 6798 D.INT.ZN 41 F01410076 F0120472 BOLT 10X25 5732 8.G GALVANIZED 42 F01420058 F01020472 BOLT 10X25 5732 4.G GALVANIZED 43 F01020054 G21120322 HINGE PROTECTION FB940 45 F01230054 G21120324 RUNNER WIDE INT. SLIDE FB940 47 G103106001 F01200233 INTERNAL RUNNER 47 G103106001 F01200234 RUNNER WIDE INT. SLIDE FB940 47 G13013080 F01200235 NUT MIXX1, 55 D980 2 N 613013070 F01220033 NUT MIXX1, 55 D980 2 N 613013070 F01220033 NUT MIXX1, 55 D980 2 N 613013420 G21120044 SIMBALDE GUIDE FB940 53 G13014250 G13011601 INNER LOWER BLADE GUIDE FB940 53 G13014250 G1301361 LOWER DOUBLE BLADE GUIDE FROMOVAB 54 G13014426 G1301361 UPPER BLADE GUIDE FROMOVAB G1301460 G13014426	2	F01200270		39	F01060105	BOLT 12X80 5732 4.6	
F01410064 WASHER M10 10,5X20X2 U6592 ZN 41 F01410076 F01020472 BOLT 10X25 5739 G GALVANIZED 42 F0102005 F01020322 HINGE PROTEOTION FB940 44 F01230034 G21120322 HINGE PROTEOTION FB940 45 G20800061 G1303020 INTERNAL RUNNER 45 G20800061 G1303021 INTERNAL RUNNER 45 G13013000 F01303021 BOLT 12X66 5333 8.6 GALVANIZ 45 G1301300 F01303021 BOLT 12X66 5333 8.6 GALVANIZ 45 G1301300 F0120033 NUT M1XX1, 50 U5588 6.8 ZN 45 G1301300 F0120033 NUT M1XX1, 50 U5588 6.8 ZN 50 F01030021 F0120033 NUT M1XX1, 50 U5588 6.8 ZN 50 G13013420 G2112034 SCREW M10X 1,5X50 U5738 8.8 ZN 50 G13013420 G13014600 INT. BLADE GUIDE ERMOYAB 51 G13013460 G1301501 UPPER BLADE GUIDE ERMOYAB 51 G13011460 G13011501 UPPER BLADE GUIDE ERMOYAB 61 G1301360 G	က	F01430023	WASHER D10 DIN 6798 D.INT.ZN	40	G65338001	SWATHBOARD COMP. SPRING	
FO1020472 BOLT 10X25 5739 8.G GALVANIZED 42 F01230059 F01060081 BOLT 10X26 5739 8.G GALVANIZED 43 F01030045 G21120323 HINGE PROTECTION FB940 45 F01030034 G21120324 HINGE PROTECTION FB940 45 G20800061 G21120324 RUNNER WIDE INT. SLIDE FB940 45 G20800061 F0130023 INTERNAL RUNNER 49 G13011660 F01430071 MASHER D12 DNR G789 D.INTZN 49 G13011660 F01200233 NUT M10X 1,5 D980 8 ZN 50 F01030501 F01200233 NUT M10X 1,5 D980 8 ZN 51 G13014250 F0120033 NUT M10X 1,5 D980 8 ZN 51 G13014250 F0120034 NUT M10X 1,5 D980 8 ZN 51 G13014250 G13011600 INT. BLADE GUIDE G10DE 51 G13013030 G1301160 INT. BLADE GUIDE SUPPORT 55 G13013030 G1301160 SHIMS-LOWER BLADE GUIDE ERMOYAB 51 G13014250 G1301161 SHIMS PRADE GUIDE ERMOYAB G13014260 G130143030 </td <td>4</td> <td>F01410064</td> <td>WASHER M10 10,5X20X2 U6592 ZN</td> <td>4</td> <td>F01410076</td> <td>WASHER D12 U6592 ZN</td> <td></td>	4	F01410064	WASHER M10 10,5X20X2 U6592 ZN	4	F01410076	WASHER D12 U6592 ZN	
F01060081 BOLT 10X60 5732.4.6-GALVANIZ 43 F01060046 C21120322 HINGE PROTECTION FB940 44 F01200034 G21120324 HINGE PROTECTION FB940 45 G20800061 G21120324 INTERNAL RUNNER 46 F01200011 G21120324 RUNNER WIDE INT. SLIDE FB940 47 G13013080 F012002032 NUT MIZXI,75 U5888 68 ZN 48 G13013080 F01200303 NUT MIXXI,75 U5888 68 ZN 50 G13013020 F01200312 NUT MIXXI,75 U5888 68 ZN 50 G13013426 F0120033 NUT MIXXI,75 U5888 68 ZN 50 G13013426 F01200414 SCREW MIOX 1,5X50 U5737 88 ZN 50 G13013426 G21120312 UPPER INNER BLADE GUIDE 56 G13013426 G21120045 INNER LOWER BLADE GUIDE 56 G1301360 G13013150 UPPER BLADE GUIDE EXT REMOVAB 51 G1301340 G1301450 SHIM FOR UPPER BLADE GUIDE 61 G130140 G1301150 UPPER BLADE GUIDE EXT REMOVAB 61 G130140	2	F01020472	BOLT 10X25 5739 8.G GALVANIZED	42	F01230059	∞	
G21120322 HINGE PROTECTION FB940 44 F01230034 G21120323 SWATHBOARD BOLT ASSY. FB 45 F01230034 G21120324 RUNNARLA LUNINER 46 F01020011 G21120324 RUNNER WIDE INT. SLIDE FB940 47 G13011660 F013030121 BOLT 12X60 5833 8.6 GALVANIZ. 48 G13013080 F01220033 NUT MIOX 1,5 D980 8 ZN 50 F01030101 F01220033 NUT MIOX 1,5 D980 8 ZN 51 G13013420 F01220033 NUT MIOX 1,5 D980 8 ZN 51 G13013420 G21120312 UPPER WINNER BLADE GUIDE FB940 53 G13013420 G2112034 UPPER BLADE GUIDE EBADE GUIDE 56 G13013401 G1301351 LOWER DOUBLE BLADE GUIDE 56 G13017620 G1301351 LOWER BLADE GUIDE EMOVABE 51 G13013401 G1301351 LOWER BLADE GUIDE EXIL 56 G13017620 G1301352 SCREW MIOX 1.5X35 U5739 8.8 BR 613017620 G13017620 G1301351 LOWER EX.TELAGE GUIDE G1301360 G1301360 <t< td=""><td>9</td><td>F01060081</td><td>BOLT 10X60 5732 4.6- GALVANIZ</td><td>43</td><td>F01060045</td><td>BOLT 8X40 5732 4.6 GALVANIZED</td><td></td></t<>	9	F01060081	BOLT 10X60 5732 4.6- GALVANIZ	43	F01060045	BOLT 8X40 5732 4.6 GALVANIZED	
G21120133 SWATHBOARD BOLTASSY. FB 45 G20800061 G13013020 INTERNAL RUNNER 46 F01220011 G13013020 INTERNAL RUNNER 47 G13013060 F01030121 BOLT 12X60 5933 8 8 GALVANIZ 49 G13013070 F01200233 NUT MICX1,75 U5588 6.8 ZN 49 G13013070 F01200293 NUT MICX1,75 U5588 6.8 ZN 50 F01030501 F01200293 NUT MICX1,75 U5588 6.8 ZN 50 G13014250 F0120031 NUT MICX1,55 U5588 6.8 ZN 50 G13014250 G21120312 UPPER INNER BLADE GUIDE FB940 53 G13013450 G21120043 INT. BLADE GUIDE FB940 54 G13013401 G13011500 INT. BLADE GUIDE FB04DRT 56 G13017620 G1301301 UPPER BLADE GUIDE FEMOVAB 56 G13017620 G13011501 UPPER BLADE GUIDE FEXT. REMOVAB 613017620 COMPLETE SPACER G13011510 UPPER BLADE GUIDE EXT. REMOVAB 613017620 COMPLETE SPACER G21120040 SHIM MILLY LESPACER G13017620 G1301351 <td>7</td> <td>G21120322</td> <td>HINGE PROTECTION FB940</td> <td>44</td> <td>F01230034</td> <td>SELF LOCK.NUT M8X1,25 D982 8ZN</td> <td></td>	7	G21120322	HINGE PROTECTION FB940	44	F01230034	SELF LOCK.NUT M8X1,25 D982 8ZN	
G13013020 INTERNAL RUNNER 46 F01020011 G21120324 RUNNER WIDE INT. SLIDE FB940 47 G13011660 G21120324 RUNNER WIDE INT. SLIDE FB940 47 G13011660 F01430071 WASHER D12 DIN 6798 D.INT.ZN 49 G13013070 F012200233 NUT M1XX.75 U5588 6.8 ZN 51 G13014250 F012200233 NUT M1XX.75 U5588 6.8 ZN 52 G13014250 F01220033 NUT M1XX.75 U5580 6.8 ZN 51 G13014250 G21120312 UPPER INNER BLADE GUIDE 56 G13013450 G21120045 INI. R. LADE GUIDE 56 G1301360 G13013501 UPPER BLADE GUIDE 56 G13017620 G13013501 UPPER BLADE GUIDE 58 G13017620 G13013501 UPPER BLADE GUID	œ	G21120133	SWATHBOARD BOLT ASSY. FB	45	G20800061	SWATHBOARD RODASSY.	
G21120324 RUNNER WIDE INT. SLIDE FB940 47 G13011660 F01300121 BOLT 12X60 5933 8.8 GALVANIZ. 48 G13013080 F01430071 WASHER D12 DIN 6798 D.INTZN 49 G13013080 F01220023 NUT M1XX 1,5 D988 6.8 ZN 50 F01030501 F01220033 NUT M1XX 1,5 D980 8. ZN 51 G13014260 G21120312 UPPER INNER BLADE GUIDE FB940 53 G13013090 G21120043 SCREW M10X 1,5X50 U5737 8.8 ZN 56 G13013090 G21120044 SHIMS-LOWER BLADE GUIDE 56 G13013090 G21120045 INNER LOWER BLADE GUIDE 56 G13017620 G13013151 LOWER DOUBLE BLADE GUIDE 56 G13017620 G19203301 UPPER BLADE GUIDE EXIR REMOVAB 56 G13017620 G13011501 UPPER BLADE GUIDE EXIR REMOVAB 613017620 G13017620 G13011501 UPPER BLADE GUIDE EXIR 613017620 G13017620 G130131501 UPPER BLADE GUIDE G13017620 G13017620 G130131501 UPPER RXI. BLADE GUIDE G13017620	6	G13013020	INTERNAL RUNNER	46	F01020011	BOLT 4X35 5737 8.G GALVANIZ.	
F01030121 BOLT 12X60 5933 8.8 GALVANIZ. 48 G13013080 F01430071 WASHER D12 DIN 6798 D.INT.ZN 49 G13013070 F012200233 NUT M12X1,75 U5888 6.8 ZN 50 G13014250 F01220033 NUT M10X1,55 D980 8 ZN 51 G13014250 F01220033 NUT M10X1,55 D980 8 ZN 52 G13014260 G21120312 UPPER INNER BLAGE GUIDE FB940 53 G13014360 G2112032 UPPER INNER BLADE GUIDE 56 G1301340 G2112044 SHIMS-LOWER INT. GUIDE 56 G13017620 G2120045 INT. BLADE GUIDE ERMOVABE 56 G13017620 G13013151 LOWER DOUBLE BLADE GUIDE 56 G13017620 G1200331 UPPER BLADE GUIDE EXT. REMOVABE 56 G13017620 G13011501 UPPER BLADE GUIDE EXT. REMOVABE 613017620 G13017620 G13011501 UPPER BLADE GUIDE EXT. REMOVABE G13017620 G130117620 G13013120 COMPLETE SPACER G21120040 SHIM FON UPPER BLADE GUIDE G1301311 G1120040 SHIMS MM.1 UPPER EXT. GUI	10	G21120324	RUNNER WIDE INT. SLIDE FB940	47	G13011660	INDICATIN BAR	
F01430071 WASHER D12 DIN 6798 D.INT.ZN 49 G13013070 F01200293 NUT M12X1,75 U5588 6.8 ZN 50 F01036601 F01220033 NUT M10X1,5 D980 8 ZN 51 G13014250 F01220034 NUT M10X1,5 D980 8 ZN 52 G13013420 G21120014 SCREW M10X 1,5X50 U5773 8.8 ZN 52 G13013420 G21120044 IN. BLADE GUIDE BB4DERT 56 G13013400 G21120045 IN. BLADE GUIDE E BLADE GUIDE 56 G13017620 G13013151 LOWER BLADE GUIDE 56 G13017620 G19203311 UPPER BLADE GUIDE 56 G13017620 G19203311 UPPER BLADE GUIDE 56 G13017620 G19203311 UPPER BLADE GUIDE EMMOVABE 613017620 613017620 G13011501 UPPER BLADE GUIDE EMM 50 50 G1301151 SHIM FOR UPPER BLADE GUIDE 613017620 613017620 G13011501 UPPER EXT. BLADE GUIDE 613017620 613017620 G1301151 UPPER SINCE BLADE GUIDE 61301361 61301361	7	F01030121	BOLT 12X60 5933 8.8 GALVANIZ.	48	G13013080	BAR REINFORCEMENT 5 HOLES	
F01200293 NUT M12X1,75 U5588 6.8 ZN 50 F01030501 F01220033 NUT M10X1,5 D980 8 ZN 51 G13014250 F01220033 NUT M10X1,5 D980 8 ZN 52 G13014250 F01020114 SCREW M10X1,5 D980 8 ZN 52 G13014250 G21120312 UPPER INNER BADE GUIDE 54 G13013420 G21120044 SHIMS-LOWER INT. GUIDE 56 G13013401 G21120045 INNER LOWER BLADE GUIDE 56 G13013401 G13013151 LOWER DOUBLE BLADE GUIDE 56 G13017620 G13013151 LOPER BLADE GUIDE EXMOVABLE TI 613017620 G13017620 G13011501 UPPER BLADE GUIDE EXT. REMOVAB 613017620 G13017620 G13011510 UPPER BLADE GUIDE SHIM F01020480 SCREW M10X 1,5X35 US739 8.8 BR G21120040 SHIMS MM.1 UPPER EXT. GUIDE G21120039 UPPER OUT. BLADE GUIDE G13013511 LOWER SINGLE BLADE GUIDE G13013511 LOWER SINGLE BLADE GUIDE G13013611 G13013611 G13013611 G13013611 G13013611 G13013611 G13013611 G13013611 G130	12	F01430071	WASHER D12 DIN 6798 D.INT.ZN	49	G13013070	BAR REINFORCEMENT 4 HOLES	
F01220033 NUT M10X 1,5 D980 8 ZN 51 G13014250 F01220144 SCREW M10X 1,5X50 U5737 8.8 ZN 52 G13013420 G21120312 UPPER INNER BLADE GUIDE FB940 53 G13013420 G21120044 SHIMS-LOWER INT. GUIDE 56 G13013030 G21120045 INNER LOWER BLADE GUIDE 56 G13013401 G1301311 LOWER BLADE GUIDE REMOVAB 613017620 G1301501 UPPER BLADE GUIDE REMOVABLE TI 613017620 G13011501 UPPER BLADE GUIDE REMOVABLE TI 613017620 G13011501 UPPER BLADE GUIDE EXT. REMOVAB 613017620 G13011502 UPPER EXT. BLADE GUIDE 613017620 G13011501 SHIM FOR UPPER EXT. GUIDE 621120043 G13013501 UPPER RAY. GUIDE 621120043 G13001351 LOWER SINGLE BLADE GUIDE 6130106 G11200048 EXT. RUNNER SLIDE 619200903 G10200003 OUT	13	F01200293	NUT M12X1,75 U5588 6.8 ZN	20	F01030501	SCREW TSQST 10X45 8.8	
F01020114 SCREW M10X 1,5X50 U5737 8.8 ZN 52 G13013420 G21120312 UPPER INNER BLADE GUIDE FB940 53 G13013460 G13011600 INT. BLADE GUIDE SUPPORT 54 G13013030 G21120044 SHIMS-LOWER BLADE GUIDE 56 G1301461 G21120045 INNER LOWER BLADE GUIDE 56 G13017620 G13013151 LOWER BLADE GUIDE 56 G13017620 G1301501 UPPER BLADE GUIDE EXT. REMOVAB 613017620 613017620 G13011501 UPPER BLADE GUIDE EXT. REMOVAB 613017620 8HIM FOR UPPER BLADE GUIDE 613017620 G13011520 UPPER EXT. BLADE GUIDE G13011520 SCREW M10X 1,5X35 U5739 8.8 BR 61301320 G1301320 COMPLETE SPACER G21120040 SHIMS MM.1 UPPER EXT. GUIDE G21120040 G13013511 LOWER SINGLE BLADE GUIDE G13013511 LOWER SINGLE BLADE GUIDE G1301351 G21120039 UPPER W M12X1,75X35 5739 8.8 ZN F01020612 SCREW M12X1,75X35 5739 8.2 N F01220048 NUT M12X1,75 D380 8 ZN F01220048 NUT M12X1,75 <t< td=""><td>4</td><td>F01220033</td><td>NUT M10X 1,5 D980 8 ZN</td><td>21</td><td>G13014250</td><td>HINGE PROTECTION</td><td>_</td></t<>	4	F01220033	NUT M10X 1,5 D980 8 ZN	21	G13014250	HINGE PROTECTION	_
G21120312 UPPER INNER BLADE GUIDE FB940 53 G13013460 G13011600 INT. BLADE GUIDE SUPPORT 54 G13013030 G21120044 SHIMS-LOWER INT. GUIDE 56 G13013401 G21120045 INNER LOWER BLADE GUIDE 613017620 G13013151 LOWER DOUBLE BLADE GUIDE 613017620 G19203301 UPPER BLADE GUIDE EXT. REMOVAB 613011620 G13011501 UPPER BLADE GUIDE EXT. REMOVAB 613011620 G13011520 UPPER BLADE GUIDE EXT. REMOVAB 613011620 G13011520 UPPER EXT. BLADE GUIDE 61301162 G13011520 UPPER EXT. BLADE GUIDE 61301162 G13011520 SCREW M10X 1.5X35 U5739 8.8 BR 61301162 G21120040 SHIMS MM.1 UPPER EXT. GUIDE 621120040 SHIMS MM.1 UPPER EXT. GUIDE 61301321 LOWER SINGLE BLADE GUIDE 613013511 LOWER SINGLE BLADE GUIDE 613013511 G21120039 UPPER M12X1,75X35 5739 8.8 ZN F01220048 NUT M12X1,75 D980 8 ZN F01030111 BOLT 12X40 5933 8.8 GALVANIZ.	15	F01020114	SCREW M10X 1,5X50 U5737 8.8 ZN	52	G13013420	REMV. TOOTH-HOLDING BAR 1.75	
G13011600 INT. BLADE GUIDE SUPPORT 54 G13013030 G21120044 SHIMS-LOWER INT. GUIDE 55 G13013401 G21120045 INNER LOWER BLADE GUIDE 56 G13017620 G13013151 LOWER DOUBLE BLADE GUIDE 613017620 G13017620 G1301351 UPPER BLADE GUIDE REMOVAB 613017620 G13017620 G13011501 UPPER BLADE GUIDE EXT. REMOVAB 61301150 SHIM FOR UPPER BLADE GUIDE G1301150 UPPER BLADE GUIDE EXT. REMOVAB G1301150 SHIM FOR UPPER BLADE GUIDE G1301150 UPPER EXT. BLADE GUIDE G1301150 SCREW M10X 1.5X35 U5739 8.8 BR G21120040 SCREW M10X 1.5X35 U5739 8.8 BR G2112003 UPPER OUT. BLADE GUIDE G13013511 LOWER SINGLE BLADE GUIDE G1301351 LOWER SINGLE BLADE GUIDE G13013511 LOWER SINGLE BLADE GUIDE G112003 OUTER BAR SUPPORT G13013511 BOLT 12X40 5933 8.8 GALVANIZ. G13011650 S1120048 G13011650 INDICATION BAR SUPPORT G1301160 S1120048 S1120048	16	G21120312	UPPER INNER BLADE GUIDE FB940	53	G13013460	REMV. TOOTH-HOLDING BAR 2.05	
G21120044 SHIMS-LOWER INT. GUIDE 55 G13013401 G21120045 INNER LOWER BLADE GUIDE 56 G13017620 G13013151 LOWER DOUBLE BLADE GUIDE 613017620 G13017620 G130203311 UPPER BLADE GUIDE REMOVABLE TI G13011501 UPPER BLADE GUIDE EXT. REMOVAB G13011501 UPPER BLADE GUIDE EXT. REMOVAB G13011501 UPPER BLADE GUIDE EXT. REMOVAB G1301150 UPPER BLADE GUIDE EXT. REMOVAB G1301150 UPPER BLADE GUIDE EXT. REMOVAB G13011500 UPPER EXT. BLADE GUIDE EXT. REMOVAB G1301150 UPPER EXT. BLADE GUIDE G1301150 UPPER EXT. BLADE GUIDE G1301150 UPPER EXT. BLADE GUIDE G2112003 UPPER EXT. GUIDE G2112003 UPPER EXT. GUIDE G2112003 UPPER OUT. BLADE GUIDE G2112003 UPPER OUT. BLADE GUIDE G2112003 UPPER OUT. BLADE GUIDE G1301351 UPPER OUT. BLADE GUIDE G2112003 UPPER OUT. BLADE GUIDE G1301351 UPPER OUT. BLADE GUIDE G13	17	G13011600	INT. BLADE GUIDE SUPPORT	24	G13013030	BAR MT. 2.35	_
G21120045 INNER LOWER BLADE GUIDE 56 G13017620 G13013151 LOWER DOUBLE BLADE GUIDE 613017620 G13017620 G19203311 UPPER BLADE GUIDE REMOVABLE TI G13011501 UPPER BLADE GUIDE EXT. REMOVAB G13011501 UPPER BLADE GUIDE EXT. REMOVAB G13011501 UPPER BLADE GUIDE EXT. REMOVAB G13011500 UPPER EXT. BLADE GUIDE G13011500 G13011600 G13011600 </td <td>18</td> <td>G21120044</td> <td>SHIMS- LOWER INT. GUIDE</td> <td>22</td> <td>G13013401</td> <td>REMOV. TOOTH-HOLDING BAR 1,45</td> <td></td>	18	G21120044	SHIMS- LOWER INT. GUIDE	22	G13013401	REMOV. TOOTH-HOLDING BAR 1,45	
G13013151 G19203311 G19203311 G13011501 G13011520 F01020480 G21120040 G21120040 G21120039 G13013511 G19200903 G21120038 F01020512 F01020512 F01020511 G13011650	19	G21120045	INNER LOWER BLADE GUIDE	26	G13017620	BAR REINFORCEMENT 2 HOLES	
G19203311 G19203301 G13011501 G13011510 G13011520 F01020480 G21120040 G21120040 G21120039 G21120038 G21120038 F01020512 F01020512 F01020511 G13011650 F01030111	20	G13013151	LOWER DOUBLE BLADE GUIDE				
G19203301 G13011501 G13011510 G13011520 F01020480 G21120040 G21120039 G21120039 G21120038 F01020512 F01020512 F01030111 G13011650	21	G19203311	UPPER BLADE INT. GUIDE REMOVAB				
G13011501 G13011510 G13011520 F01020480 G21120040 G21120040 G21120039 G13013511 G19200903 G21120038 F01020512 F01020512 F01020111 G13011650	22	G19203301	UPPER BLADE GUIDE REMOVABLE TI				
G13011510 G13011520 F01020480 G13013120 G21120040 G21120039 G13013511 G19200903 G21120038 F01020512 F01020512 F01030111 G13011650	23	G13011501	UPPER BLADE GUIDE EXT. REMOVAB				
G13011520 F01020480 G13013120 G21120040 G21120039 G13013511 G19200903 G21120038 F01020512 F01020512 F01030111 G13011650	24	G13011510	SHIM FOR UPPER BLADE GUIDE				
F01020480 G13013120 G21120040 G21120039 G13013511 G19200903 G21120038 F01020512 F01020512 F01030111 G13011650	25	G13011520	UPPER EXT. BLADE GUIDE SHIM				
G13013120 G21120040 G21120039 G13013511 G19200903 G21120038 F01020512 F01020512 F01030111 G13011650	26	F01020480	SCREW M10X 1.5X35 U5739 8.8 BR				
G21120040 G21120039 G13013511 G19200903 G21120038 F01020512 F01020111 G13011650 F01230016	27	G13013120	COMPLETE SPACER				
G21120039 G13013511 G19200903 G21120038 F01020512 F01220048 F01030111 G13011650	28	G21120040	SHIMS MM.1 UPPER EXT. GUIDE				
G13013511 G19200903 G21120038 F01020512 F01220048 F01030111 G13011650 F01230016	29	G21120039	UPPER OUT. BLADE GUIDE				
G19200903 G21120038 F01020512 F01220048 F01030111 G13011650 F01230016	30	G13013511	LOWER SINGLE BLADE GUIDE				
G21120038 F01020512 F01220048 F01030111 G13011650 F01230016	31	G19200903	OUTER BAR SUPPORT				
F01020512 F01220048 F01030111 G13011650 F01230016	32	G21120038	EXT. RUNNER SLIDE				
F01220048 F01030111 G13011650 F01230016	33	F01020512	SCREW M12X1,75X35 5739 8.8 ZN				
F01030111 G13011650 F01230016	34	F01220048	NUT M12X1,75 D980 8 ZN				
G13011650 F01230016	35	F01030111	BOLT 12X40 5933 8.8 GALVANIZ.				
	36	G13011650	INDICATION BAR SUPPORT				
	37	F01230016	NORM.SELF-LOCKING NUT 4 GALVAN				



CUTTING BLADE	BLADE				TAV. 61	
Cod. Description	Description		Pos.	Cod.	Description	
G21120243 CUT SECTION FB/S G13013550 LOWER DOUBLE POINT SECTION	CUT SECTION FB/S	NOIFC				
	UPPER DOUBLE POINT SE	CTION				
	PACK BLAD.MOUNT.TSC 6 x	(13-8				
_	EVO11 REMOVABLE TEETH					
	SCREW 8X1X1Z 5/40 10.9					
G65337002 TRACTION SPRING GIARD ES	TRACTION SPRING GLIARD F	χ <i>(</i> /,				
	PACK BLAD.MOUNT.TSC 6 X1	9-8 KG				
G21120048 BUSHING- BLADE HEAD 28X20X24	BUSHING- BLADE HEAD 28X2	0X24				
	GREASE NIPPLE M6X1 7663-A	NZ				
	COMPL. BLADE HEAD SECTION	S				
G13013230 COMPL. BLADE HEAD W/ REMV. I EE	COMPL. BLADE HEAD W/ REMV.					
	PACK BLAD.MOUNT.TSC 6 X19:	3 KG				
	ROD SECTIONS MI. 1.75 FB/S					
	ROD SECTIONS MI. 2.05 FB/S					
	ROD SECTIONS MT. 2.35 FB/S	77				
G13013580 COMPL. SECTION-HOLDING BAR 1.73	COMPL. SECTION-HOLDING BAR	7.75				
	COMPL. SECTION-HOLDING BAR	2.35				
	DOUBLE-TIP SECTION BLADE R.	T 1.75				
G13013680 DOUBLE-TIP SECTION BLADE R.T 2.05	DOUBLE-TIP SECTION BLADE R	.T 2.05				
G13013110 DOUBLE-TIP SECTION BLADE R.	DOUBLE-TIP SECTION BLADE R.	T 2.35				
	REMV. TOOTH-HOLDING BAR 1.7	'5				
	REMV. TOOTH-HOLDING BAR 2.0)5				
	REMV. IOO IH-HOLDING BAK 2.:	35 5 0 0 4 75				
G13013340 BLADE HEAD-TOOTH-HOLDING BA	BLADE HEAD-TOOTH-HOLDING	BAR 1.73 BAR 2.05				
	BLADE HEAD-TOOTH-HOLDING	3 BAR 2.35				
G13013772 COMPL. REMVTOOTHED BLADE FBR 1,75	COMPL. REMVTOOTHED BLAE	DE FBR 1,75				
G13013782 COMPL. REMVTOOTHED BLADE FBR 2.05	COMPL. REMVTOOTHED BLA	DE FBR 2.05				
G13013061 COMPL. REMVTOOTHED BLADE F	COMPL. REMVTOOTHED BLAI	JE FBR 2.35				
	GUARD - PROTECTION MT.1-75	10				
	COMPLETE PROTECTION MT	2,05				
G21120266 COMPL. PROTECTION .MT.2-35 FB/	COMPL. PROTECTION .MT.2	35 FB/				



G14911000 CYLINDER COUPLING 38 F01500012 G12216820 CYLINDER COUPLING 39 G16011690 G12217900 FORK LEVER COUNECTION 40 G23440617 G12219080 LIFTING BAR EDGE 41 F0315025 G12219080 LIFTING BAR EDGE 42 F03160325 G12219080 LIFTING PATTCULATION BAR 42 F03160325 G12219020 LIFTING PLATE 45 F03160325 G12219020 LIFTING PLATE 45 F031500426 G12020260 SCREW MINGXX70 U5737 8.8 ZN 45 F031500426 G19204260 SCREW MINGXX70 U5737 8.8 ZN 48 F0515014 G19204260 SCREW MINGXX70 U5737 8.8 ZN 48 F0515014 G19204260 SCREW MINGXX70 U5737 8.8 ZN 50 F0515044 G19204260 SCREW MINGXX7, TSX00 U5737 8.8 ZN 50 F0515044 G19204260 SCREW MINGXX7, TSX00 U5737 8.8 ZN 50 F0515044 G19204260 SCREW MIXXX7, TSX00 U5737 8.8 ZN 50 F0515044 G19204260	Pos	HYDRAULIC	HYDRAULIC LIFTING SYSTEM Cod. Description	Pos	Ö	Description	
G12219070 CYLINDER U.J.C.D.S.39U 38 F0150001 G12219070 LIFTING BAR EDGE 40 G23440617 G12219070 LIFTING BAR EDGE 41 F03150211 G12219070 LIFTING BAR EDGE 42 F03150321 G12219070 LIFTING BAR EDGE 44 F03150321 G12219080 LEVER 45 F03150325 G12219080 LIFTING PAATE 45 F03150935 G12219020 LIFTING PAATE 45 F03150935 G12230026 SCREW M16XZ7O U573 8.8 ZN 47 F03150935 G12230026 SCREW M16XZ7O U573 8.8 ZN 48 F0515014 G19204260 SCREW M16XZ7, 75x00 U573 8.8 ZN 48 F0515048 G19204260 SCREW M16XZ7, 75x00 U573 8.8 ZN 50 F03100344 G19207005 SCREW M17XZ7, 75x00 U573 8.8 ZN 50 F03150484 G19207004 SCREW M17XZ7, 75x00 U573 8.8 ZN 50 F03150484 F01020044 BOLT M M27, 75x00 U573 8.8 ZN 50 F03150484 F01020040 W10 EL S. 36 U	3 ,			5			
612217900 CORK LEVER COUNING 93 91201790 612217900 CORK LEVER COUNING 93 91201790 612219000 LIFTING BAR EDGE 41 F0315021 612219020 LIFTING SARTICULATION BAR 42 F03150325 612219020 LIFTING RATICULATION BAR 43 F05150325 612219020 LIFTING RATICULATION BAR 43 F05150325 612219020 LIFTING PLATE 44 F03150325 610220260 SCREW MIGKZXYO U5737 8.8 ZN 47 F02150047 619204260 CYLINDER LINKAGE DEVICE 49 F0515014 61020426 BOSHING 1.25 D98	<u> </u>	G14911000	CYLINDER D.40-D.20-380	χ ς	F01500012	WASHER 13 X19X1,5 - 1/4"	
G12219070 LIFTING BAR EDGE 47 F0315021 G12219070 LEVER 42 F0315021 G12219070 LEVER 42 F0315021 G1220920 LIFTING ARTICULATION BAR 42 F03150325 G12219020 LIFTING PATE 43 F03150325 G12219020 LIFTING PATE 44 F03150325 G12219020 LIFTING PATE 45 G12120007 G2097011 WASHER 29 8X2X16,5 48 F0515014 G19204260 SCREW M16X2X70 U5737 8.8 ZN 48 F0515014 G19204260 CYLINDER LINKAGE DEVICE 49 F0515044 G19204260 SCREW M12X1, 56X80 U5737 8.8 ZN 51 F05150484 G18802150 BOSHING 12,3X25X42 60 F05150484 G18802164 SCREW M12X1, 55X90 U5737 8.8 ZN F0120007 F0120007 MASHER ADA ER	۷ °	G12217900	CTLINDER COOPEING FORK EVER CONNECTION	S 4	G16011630 G23440517	OFRIGHT 1/4 NIFFLE WITH GROB	
G12219060 LEVER 42 F03151237 G12219080 LIFTING ARTICULATION BAR 43 F05150325 G12219020 LIFTING ARTICULATION BAR 43 F05150325 G12219020 LIFTING ARTICULATION BAR 45 G1204250 F01202026 SCREW MIGXXXTO U5737 8.8 ZN 47 F02150007 G20970111 WASHER 29,8X2X16,5 48 F0515014 G19204260 SCREW MIGXXXTO U5737 8.8 ZN 48 F0515014 G18204260 SCREW MIZXI,75X80 U5737 8.8 ZN 51 F05150484 G18204066 SCREW MIZXI,75X90 U5737 8.8 ZN 51 F05150484 G18204068 NASHER ADXAXI3 50 F03100344 G1020445 WASHER ADXAXI3 F0120007 SCREW MIZXI,75X70 U5737 8.8 ZN F0120007 WASHER ADXAXAS-5 F0120007 WASHER ADXAXAS-5 F0220029 F012000741 PIN EL. 8X 36 U6873 C70 BR F0120007 F0120007 WASHER ADXAXAS-5 F01200070 WASHER ADXAXXB F0120007 WASHER ADXAXXB F0120007 F01200070 WASHER ADXA) 4	G12219070	LIFTING BAR EDGE	5 4	F03150211	NIPLE MM CIL-CIL 1/4-1/2 ZN	
G12219080 LIFTING ARTICULATION BAR 43 F05150325 G12219020 LIFTING ARTICULATION BAR 44 F03150935 G12219020 LIFTING PLATE 45 G1920426 G12219020 SCREW MIGKZXZYO UG737 8.8 ZN 46 G27120007 G20970111 WASHER P.9.8X2X16.5 48 F0515014 G1230026 SCREW MIGKZI,75X80 U5737 8.8 ZN 48 F0515014 G19204260 CYLINDER LINKAGE DEVICE 49 F0515041 G19204260 CYLINDER LINKAGE DEVICE 49 F0515041 G18204260 CYLINDER LINKAGE DEVICE 49 F0515041 G18204260 CYLINDER LINKAGE DEVICE 49 F0515041 G18204260 SCREW MIZXI,75X80 U573 R.8 ZN 51 F0515044 G18204008 NUT MIZXI,25 D980 8.ZN 51 F05150484 F01020041 BOLT R X25 5732 4.6 GALVANIZED F07100044	2	G12219060	LEVER	42	F03151237	COPPER WASHER 21X27X1,5 1/2	
G19204240 LIFTING ROD 44 F03150935 G12219020 LIFTING PLATE 45 G19150920 G12219020 LIFTING PLATE 45 G19204250 G12219020 LIFTING PLATE 46 G21120007 G203070111 MASHER 29,8X2X16,5 47 F0220667 F01230084 SELF LOCKING NUT M16X1,5 48 F05150114 G19204260 CYLINDER LINKAGE DEVICE 49 F05150410 G19204260 CYLINDER LINKAGE DEVICE 49 F05150410 G18002164 SCREW M12X1,75X80 U5737 8.8 ZN 51 F05150484 G20970085 NUT M3X1,25 D982 8 ZN F0120022 F0120022 F01200164 SCREW M12X1,75X70 U5737 8.8 ZN F0120022 F0120022 F01200202 NUT M8X1,25 D980 8 ZN F0120022 F0120022 F01200041 BOLT 8 X25 5732 4,6 GALVANIZED F0120022 F0120022 F01200020 NASHER D1X 45X8-5 F012022 F0120022 F0120022 F01200020 SCREW M14X1,75X45 U5737 8.8 ZN F01200202 F01200202 F01	9	G12219080	LIFTING ARTICULATION BAR	43	F05150325	COVER CONNECT F 1/2 RED	
G12219020 LIFTING PLATE 45 G19204250 F01020260 SCREW MARGXXZO U5737 8 8 ZN 46 C21120007 G20970111 WASHER R2,8X2X16,5 48 F05150114 G20970111 WASHER R2,8X2X16,5 49 F05150114 G19204260 CYLINDER LINKAGE DEVICE 49 F05150410 F01020166 SCREW M12X1,75X80 U5737 8.8 ZN 50 F05150484 G18802150 BOSHING 12,3X25X42 50 F05150484 G18802150 BOSHING 12,3X25X42 50 F05150484 G1802150 BOSHING 12,3X25X42 50 F05150484 G1802160 WASHER ADKAXX13 F0102014 F0102014 F0102045 F01120024 WASHER D12 U6592 ZN F0102045 F0102045 F0102045 F0102045 F0120024 WASHER Z1X4X8-5 F02500ES F012004 F02500ES F02500ES F01200207 WASHER ADKAX2R BZN F01200CS F01200CS F01200CS F01200207 SCREW M12X1,75X45 U6592 ZB F01200CS F01200CS F01200CS	7	G19204240	LIFTING ROD	44	F03150935	QUICK CONNECT MALE CONE 1/2	
F01020260 SCREW M16X2X70 U573 R 8 ZN 46 G21120007 G209707111 WASHER 29,8X2X16,5 47 F02260667 F01230084 SELF LOCKING NUT M16X1,5 49 F05150410 F01230085 SELF LOCKING NUT M12X1,5 50 F03100344 G18802150 SCREW M12X1,75X80 U573 R 8 ZN 51 F05150484 G18802150 BOSHING 12,3X25X42 51 F05150484 G18802150 BOSHING 12,3X25X42 51 F05150484 G18002160 WASHER A0X2X13 F01 F01 F01020164 SCREW M12X1,75X70 U5737 R 8 ZN F01 F01 F0120025 NUT M8X 1,25 D980 R ZN F01 F01 F01200445 BOLT M 8X30 F01 F01 F0120045 BOLT M 8X30 F01 F01 F01200207 WASHER Z1X4X8-5 F02 F01 F01200207 SCREW M14XXX70 U5737 R 8 ZN F01 F01200207 SCREW M14XXX70 U5737 R 8 ZN F01 F01200509 SCREW M12X1,755X45 U5537 R 8 ZN F01 G20370070 </td <td>_∞</td> <td>G12219020</td> <td>LIFTING PLATE</td> <td>45</td> <td>G19204250</td> <td>TIE-ROD BUSH</td> <td></td>	_∞	G12219020	LIFTING PLATE	45	G19204250	TIE-ROD BUSH	
G20970111 WASHER 29,8X2X16,5 47 F02250667 F01230084 SELF LOCKING NUT MIGX1,5 48 F0515014 G19204260 CYLINDER LUNKAGE DEVICE 49 F0515014 G1802150 SCREW MIZX1,75X80 U5737 8.8 ZN 51 F0515044 G18802150 WASHER 40X4X13 F01230058 F01230058 F01230058 NUT M1ZX1,25 D982 8 ZN F0122002 F01200144 SCREW M1ZX1,75X70 U5737 8.8 ZN F0122002 F01220022 NUT M8X1,25 D980 8 ZN F0122002 F0122002 F0122002 F01200041 BOLT N 8X5 5732 4.6 GALVANIZED G20970104 WASHER 21X4X8-5 F02200228 F02100049 PIN EL. SX 50 U6873 C70 BR F02100099 F014 U008 F014 U008 F014 U008 F01410008 WASHER 21X4X8-5 F0220022 SPLIT PIN 5X 45 U6592 ZB F014 U008 F014 U008 F01410008 WASHER 21X4X8-5 F0200700 WASHER 21X4X8-5 F014 U008 F014 U008 F01200070 WASHER 40X2X26 F0140008 F014 U008 F014 U008 F014 U008 F01200154	<u></u>	F01020260	SCREW M16X2X70 U5737 8.8 ZN	46	G21120007	ARM SIDE CHAIN L.600	
F01230084 SELF LOCKING NUT M16X1,5 48 F05150114 G19204260 CYLINDER LINKAGE DEVICE 49 F0515014 F0120166 SCREW M12X1,75X80 U5737 8.8 ZN 51 F05150484 G18802150 BOSHING 12,3X25X42 51 F05150484 G20970085 WASHER 40X4X13 51 F05150484 G20970086 WASHER 40X4X13 52 F05150484 F0122002 NUT M12X1,25 D982 8.ZN F01410076 WASHER D12 U6592 ZN F012002 NUT M8X 1,25 D980 8.ZN F0160041 BOLT M 8X30 F0160041 F012002 NUT M8X 1,25 D980 8.ZN F0160041 BOLT M 8X30 F0160041 F012002 SPLIT PIN 5X 45 U1336 ZN F0200070 WASHER 2VX2X6 F0200070 F0210004 PIN EL. 8X 36 U6873 C70 BR F0102007 SCREW M14X2X70 U5737 8.8 ZN F0102004 F01200207 SCREW M14X2X70 U5737 8.8 ZN G20970070 WASHER 40X2X26 F0104006 F01220020 SCREW M12X1,55X45 U5737 8.8 ZN G1221910 SLIDING TUBE SUPPORT F01040066 F0122001 NUT M6X1 D980 8	10	G20970111	WASHER 29,8X2X16,5	47	F02250667	CLEVIS- 3/8- GALVANISED- ART.	
G19204260 CYLINDER LINKAGE DEVICE 49 F05150410 G19204260 CYLINDER LINKAGE DEVICE 49 F05150410 F01020166 SCREW M12X1,75K80 U573 R.8 ZN 51 F05160484 G20970085 WASHER AQX4X13 F0122002 F01220164 F01220164 F01220164 F01220162 F01220164 F01220164 F01220022 F0220022 F01220022	7	F01230084	SELF LOCKING NUT M16X1,5	48	F05150114	HANDLE	
F01020166 SCREW M12X1,75X80 U5737 8.8 ZN 50 F03100344 G18802150 BOSHING 12,3X25X42 51 F05150484 G20970085 WASHER 40X4X13 51 F05150484 F01230058 NUT M12X1,25 D802 8 ZN F01020445 SCREW M12X1,75X70 U5737 8.8 ZN F01020445 BOLT M8X30 F01220022 NUT M8X 1.25 D980 8 ZN F01020045 BOLT M8X30 F01020045 BOLT M8X30 F01060041 BOLT 8 X25 5732 4.6 GALVANIZED GALVANIZED GALVANIZED GALVANIZED G20970104 WASHER 21X4X8-5 F0200229 SPLIT PIN 5X 45 U1336 ZN BOLT 8 X25 5732 4.6 GALVANIZED F02100089 PIN EL. 8X 36 U6873 C70 BR F02100089 F0102007 SCREW M14X2X70 U6737 8.8 ZN F0102007 SCREW M14X1,75X45 U6737 8.8 ZN F0120007 WASHER 40X2X26 F01200144 SCREW M14X1,75X45 U6737 8.8 ZN F012219050 F0120141 F0121131 F012141 F012141 F012141 F012141 F012141 F012141 F012141 F012141 F012141 F0122041 F0122041 F0122041 F0122041 F0122041 F0122041 F0122041 <td< td=""><td>12</td><td>G19204260</td><td>CYLINDER LINKAGE DEVICE</td><td>49</td><td>F05150410</td><td>NYLON CABLE D.5</td><td></td></td<>	12	G19204260	CYLINDER LINKAGE DEVICE	49	F05150410	NYLON CABLE D.5	
G18802150 BOSHING 12,3X25X42 51 F05150484 G20970085 WASHER 40X4X13 F01230058 F01230058 NUT M12X1,25 D982 8 ZN F01020164 SCREW M12X1,75X70 U5737 8.8 ZN F0102045 KASHER D12 U6592 ZN F0102045 KASHER D12 U6592 ZN F0102042 WASHER D12 U6592 ZN F0102045 KASHER D12 U6592 ZN F0102041 F0102043 BOLT M 8X36 E02002 F0102004 KASHER 21X4X8-5 F02002 F0200029 SPLIT PIN 5X 45 U1336 ZN F0210008 F0101 PIN EL. 8X 36 U6873 CTO BR F0210008 F0100089 PIN EL. 8X 36 U6873 CTO BR F0102007 SCREW M14X2X70 U5737 8.8 ZN F0110088 WASMHA 15X 28X2,5 U6592 ZB F0120004 MASHER 40X2X56 F01200070 WASHER 40X2X56 F0102014 SCREW M12X1,5 X45 U5737 8.8 ZN G12219050 SLIDING TUBE SUPPORT F01221905 F01040066 BOLT AR A1-1.2 S F01020440 BOLT M6X1 D980 8 ZN F01020440 BOLT M8X1,25X25 U5739 8.8 ZN F01020440 BOLT M8X1,25X25 U5739 8.8 ZN	13	F01020166	SCREW M12X1,75X80 U5737 8.8 ZN	20	F03100344	SHEATH WITH CABLE D.1.9 COMPLETE	
G20970085 F01230058 F01230058 F01020164 F01020445 F01220022 F01060041 G2200229 F02100141 F02100089 F01020207 F01120070 F01230072 G20970070 F01230072 G20970070 F012219120 G12219120 G12219050 F01020440 G12219110	4	G18802150	BOSHING 12,3X25X42	21	F05150484	SPIRAL GUARD D.27-32	
F01230058 F01020164 F01410076 F01020445 F01220022 F01060041 G20970104 F02100089 F012200207 F01410088 F01220070 F01230072 G20970070 F01230072 G20970070 F01230072 G12219120 G12219050 F01020440 G12219110	15	G20970085	WASHER 40X4X13				
F01020164 F01410076 F01020445 F01220022 F01060041 G20970104 F02200229 F02100141 F02100089 F01420089 F01420089 F01220070 G12219120 G12219120 G12219050 F01020440 G12219110	16	F01230058	NUT M12X1,25 D982 8 ZN				
F01410076 F01020445 F01220022 F01060041 G20970104 F022100189 F02100189 F01410088 F01420072 G20970070 F01230072 G20970070 F01230072 G20970070 F012219120 G12219050 F03151136 F03151136 F010200440 G12219110	17	F01020164	SCREW M12X1,75X70 U5737 8.8 ZN				
F01020445 F01220022 F01060041 G20970104 F02200229 F02100089 F0120207 F01410088 F01230072 G20970070 F012219120 G12219050 F01020154 G12219050 F01020111 F01120011	18	F01410076	WASHER D12 U6592 ZN				
F01220022 F01060041 G20970104 F02200229 F02100141 F02100089 F01020207 F01410088 F01230072 G20970070 F012219120 G12219120 G12219050 F01020440 F01020440	19	F01020445	BOLT M 8X30				
F01060041 G20970104 F02200229 F02100141 F02100089 F01020207 F01410088 F01230072 G20970070 F012219120 G12219050 F01020440 G12219110	20	F01220022	NUT M8X 1,25 D980 8 ZN				
G20970104 F02200229 F02100141 F02100089 F0142008 F014230072 G20970070 F012219120 G12219120 G12219050 F01020440 G12219110	21	F01060041	BOLT 8 X25 5732 4.6 GALVANIZED				
F02200229 F02100141 F02100089 F01020207 F01410088 F01230072 G20970070 F01020154 G12219120 G12219050 F03151136 F01020440 G12219110	22	G20970104	WASHER 21X4X8-5				
F02100141 F02100089 F01410088 F01230072 G20970070 F01020154 G12219050 F03151136 F01020041 F01020440 G12219110	23	F02200229	SPLIT PIN 5X 45 U1336 ZN				
F02100089 F01020207 F01410088 F01230072 G20970070 F01020154 G12219120 G12219050 F03151136 F01020011 F01020440	24	F02100141	PIN EL. 8X 36 U6873 C70 BR				
F01020207 F01410088 F01230072 G20970070 F01020154 G12219120 G12219050 F03151136 F01040066 F01020410 G12219110	25	F02100089	PIN EL. 5X 36 U6873 C70 BR				
F01410088 F01230072 G20970070 F01020154 G12219050 G12219050 F03151136 F01040066 F01020440 G12219110	26	F01020207	SCREW M14X2X70 U5737 8.8 ZN				
F01230072 G20970070 F01020154 G12219120 G12219050 F03151136 F01040066 F01020440 G12219110	27	F01410088	WAS.M14 15X 28X2,5 U6592 ZB				
G20970070 F01020154 G12219120 G12219050 F03151136 F01040066 F01220011 F01220440	28	F01230072	SELF LOCKING NUT M14X1,5				
F01020154 G12219120 G12219050 F03151136 F01040066 F01220011 F01220440 G12219110	29	G20970070	WASHER 40X2X26				
G12219120 G12219050 F03151136 F01040066 F01220011 F01020440 G12219110	30	F01020154	SCREW M12X1,75X45 U5737 8.8 ZN				
G12219050 F03151136 F01040066 F01220011 F01020440 G12219110	31	G12219120	SLIDING TUBE				
F03151136 F01040066 F01220011 F01020440 G12219110	32	G12219050	SLIDING TUBE SUPPORT				
F01040066 F01220011 F01020440 G12219110	33	F03151136	COLLAR A1-12 S				
F01220011 F01020440 G12219110	34	F01040066	BOLT 6 X35 5931 8.G GALVANIZ.				
F01020440 G12219110	35	F01220011	NUT M6X1 D980 8 ZN				
G12219110	36	F01020440	BOLT M8X1,25X25 U5739 8.8 ZN				
	37	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



DEALER:



MASCHIO GASPARDO SpA Sede legale e stabilimento produttivo

Via Marcello, 73 - 35011 Campodarsego (Padova) - Italy Tel. +39 049 9289810 Fax +39 049 9289900 Email: info@maschio.com www.maschionet.com

MASCHIO DEUTSCHLAND GMBH

Äußere Nürmberger Straße 5 D - 91177 Thalmässing Deutschland Tel. +49 (0) 9173 79000 Fax +49 (0) 9173 790079

Email: info@gaspardo.it

MASCHIO FRANCE Sarl
1, Rue de Mérignan ZA
F - 45240 La Ferte St. Aubin
France
Tel. +33 (0) 2.38.64.12.12
Fax +33 (0) 2.38.64.66.79

MASCHIO GASPARDO SpA

Morsano al Tagliamento (PN) - Italy

Stabilimento produttivo

Via Mussons, 7 - 33075

Tel. +39 0434 695410

Fax +39 0434 695425

MASCHIO IBERICA S.L.

Calle Cabernet, 10
Poligono Industrial Clot de Moja
Olerdola - 08734 Barcelona
Tel. +34 93.81.99.058
Fax +34 93.81.99.059

MASCHIO-GASPARDO USA Inc

G19503020

120 North Scott Park Road Eldridge, IA 52748 - USA Ph. +1 563 2859937 Fax +1 563 2859938 e-mail: info@maschio.us

000 МАСКИО-ГАСПАРДО РУССИЯ

Улица Пушкина, 117 Б 404126 Волжский Волгоградская область Тел. +7 8443 525065 факс. +7 8443 525064

MASCHIO-GASPARDO ROMANIAS.R.L.

Strada Înfrátirii, F.N. 315100 Chisineu-Cris (Arad) - România Tel. +40 257 307030 Fax +40 257 307040 e-mail: maschio@maschio.ro MASCHIO-GASPARDO POLAND MASCHIO-GASPARDO UCRAINA GASPARDO BIELORUSSIA MASCHIO MIDDLE EAST MASCHIO-GASPARDO CANADA Inc GASPARDO-MASCHIO TURCHIA MASCHIO-GASPARDO CINA MASCHIO-GASPARDO KOREA