

FIELDMASTER®

• PREMIUM FARM EQUIPMENT •

Rotary Mulcher, Pasture Topper & Orchard/Vineyard Mower Models

Models: GMM, GMT, GML, GMS, GMR, GMX & XHD



**OWNERS/OPERATORS MANUAL
AND SPARE PARTS LIST**

This manual contains valuable information about your Fieldmaster mower. It has been carefully prepared to give you helpful suggestions for operating, adjusting, servicing repair parts.

Keep this manual in a convenient place for quick and easy reference. Study it carefully. You have purchased a dependable and sturdy implement, but only by proper care and operation can you expect to get the service and long life designed and built into it.

RIGHT-HAND AND LEFT-HAND sides are determined by watching from the tractor side.

Sometime in the future, your implement may need new parts to replace those are worn or broken. If so, go to nearest Fieldmaster dealer and provide them with the model and part number.

Congratulations for purchasing your new Fieldmaster implement.

This implement has been designed and manufactured following all safety and quality requirements needed for a safe and satisfactory use over time.

A careful reading of this manual will allow you to understand this new piece of equipment and will provide you all the tools needed to use it safely.

Proper maintenance and knowledge of the safety rules of use will ensure the best performance and extend the life of the machine.



The Safety Alert Symbol used throughout this manual and on safety decals of the machine indicates the presence of potential hazard to the operator. When you see this symbol, be alert and carefully read the message that follows it.

The Safety Alert Symbol is used in conjunction with following Signal Words, according to the degree of possible injuries that may result operating the implement:



DANGER

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



WARNING

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. It may also be used to alert against unsafe practices.



CAUTION

Indicates a potentially hazardous situation that, if not avoided, may result in minor or moderate injury. It may also be used to alert against unsafe practices.

IMPORTANT

Indicates instructions or procedures that, if not observed, can cause damage to equipment or environment.

NOTE

Indicates helpful information.

READ, UNDERSTAND, and FOLLOW the safety messages following the Safety Alert Symbol and Signal Words. Failure to comply with safety messages could result in serious bodily injury or death.

ABOUT THIS MANUAL

The operator must read the manual for a correct understanding of the hazards that may present when operating the implement, as well as for obtaining optimum performance from the machine.

The manual is part of the machine, it must be kept in good condition and remain with the machine even in case of resale, until its demolition. In case of loss or damage, request a new copy from the Manufacturer, Importer or your Dealer.

The information, descriptions and illustrations in this manual describe the state of the product at the time of its publication, and may not reflect the product in the future.

The Manufacturer reserve the right to make design improvements or changes in specifications without incurring any obligation to install them on units previously sold.

Text, illustrations and drawings of this manual cannot be disclosed or transmitted, in whole or in part, to third parties without the written permission of the Manufacturer. All rights are reserved

SAFETY

Safety is a primary concern in the design and manufacturing of our products. Unfortunately, our efforts to provide safe equipment can be wiped out by a single careless act of an operator.

In addition to the design and configuration of equipment, hazard control and accident prevention are dependent upon the awareness, concern, prudence and proper training of personnel involved in the operation, transport, maintenance and storage of equipment.

It has been said, "The best safety device is an informed careful operator." We ask you to be that kind of operator.

The manufacturer assumes no liability for any damage resulting from not applying the behavioral rules indicated in the manual.

GENERAL SAFETY INSTRUCTION DANGER

The machine must be used only by authorized and well-trained operators. The operator must have read and understood the instructions of this manual. They must make adequate preparation for the proper use of the machine and in case of doubt about the use of the machine and/or the interpretation of this manual the operator must contact the Manufacturer or the Dealer immediately.

WARNING

The manual must always remain with the machine. In case of loss or damage, request a new copy from the Manufacturer or your Dealer.

WARNING

Follow strictly the rules prescribed by the safety pictograms applied to the machine.

WARNING

Be sure that all safety pictograms are legible. If pictograms are worn, they must be replaced with others obtained from the Manufacturer and placed in the position indicated by this manual.

DANGER

Before using the machine, make sure that all safety devices are installed and in good working conditions. In case of damages of shields, replace them immediately.

DANGER

Is absolutely forbidden to remove or alter safety devices.

DANGER

Before starting and during operation of the implement make sure there are no people or animals in the area of operation: the machine can project material from the back, front or side, with risks of serious injury or death.

DANGER

Pay maximum attention to avoid any accidental contact with rotating parts of the machine.

DANGER

During operation, adjustment, maintenance, repairing or transportation of the machine, the operator must always use appropriate Personal Protective Equipment (PPE).

This includes but is not limited to the following -

- A hard hat
- Protective shoes with slip resistant soles
- Protective goggles, glasses or face shield
- Heavy gloves
- Protective clothing
- Hair net or similar to contain long hair
- Suitable ear protection (ear muffs, ear plugs)

 DANGER

Do not operate the implement while wearing loose-fitting clothing that can give rise to entanglement in parts of the machine.

 DANGER

Do not operate the implement when tired, not in good condition or under the influence of alcohol or drugs.

 CAUTION

If the use of the machine is required at night or in conditions of reduced visibility, use the lighting system of the tractor and possibly an auxiliary lighting system.

EQUIPMENT SAFETY INSTRUCTIONS **WARNING**

Use the implement for its intended purpose only. Improper use can damage the implement and cause serious injury to persons, animals, or death.

 DANGER

The machine should be used by a single operator driving the tractor.

 WARNING

Any unauthorized modification of the machine may cause problems in safety and relieves the Manufacturer from any liability for damages or injuries that may result in operators, third parties and objects.

 WARNING

Before using the machine, familiarize yourself with its controls and its working capacity.

 WARNING

Do not leave the implement unattended with tractor engine running.

 WARNING

Do not operate implement on unstable (muddy or sandy) or rocky ground.

 WARNING

Keep the machine clean from debris and foreign objects which may damage functioning or cause injury.

 WARNING

Do not use the machine if the category of the connecting pins of the implement does not match that of the tractor hitch system.

 WARNING

Do not use the machine with missing bolts, screws, pins, safety guards or safety pins.

 WARNING

Never use the machine to transport or lift people, animals or objects

 WARNING

Make certain that at least 20% of the total weight (tractor, implement and ballast) is on the front axle of the tractor to ensure stability. Add front ballast if required.

 WARNING

Before engaging the tractor PTO, make sure the tractor PTO speed is set as required for this implement (540 rpm or 1000rpm). Do not over speed PTO or machine breakage may result.

 DANGER

Do not operate the implement if the driveshaft is damaged. The driveshaft could break during operation, causing serious injury or death. Remove the driveshaft and repair or replace it before continuing operation.

OPERATING SAFETY INSTRUCTIONS **WARNING**

Before using the machine, be sure to have cleared the operating area from obstacles (stones, branches, debris, etc...). Mark all the obstacles that cannot be removed (e.g. by means flags).

 DANGER

Never engage the tractor PTO in the presence of people close to the driveshaft. The body, hair or clothing of a person can get caught in rotating parts, causing serious injury or death.

 DANGER

Before engaging the PTO and during all operations, make sure that no person or animal is in the immediate area of action of the machine. Never use the implement if people are in the working area.

 DANGER

It's absolutely forbidden to stand near an implement like this when parts are moving.

 WARNING

The operator must operate implement (lifting/lowering) only from the driving seat of the tractor. Do not perform lifting manoeuvres on the side or behind the tractor.

 WARNING

Before making changes in direction, turns or going in reverse, slightly lift the implement off the ground after disengaging the power take-off, to avoid damage to the machine.

 DANGER

In presence of steep slopes the action of this machine may cause instability of the tractor with a risk of tipping off which a consequence may be serious injury or death hazard. Consult the manual for the tractor to determine the maximum slope that the tractor is able to deal with.

 DANGER

Always disengage the PTO before raising the implement and never engage the PTO with the implement raised. The machine might throw objects at high speed, causing serious injury or death.

 WARNING

Never leave the driver's seat when the tractor is turned on. Before leaving the tractor, lower the implement to the ground, disengage the PTO, insert the parking brake, stop the engine and remove the key from the control panel.

 DANGER

The PTO shields of the tractor and implement side, the driveshaft shielding and the driveshaft retaining chains must be properly installed and in good condition, to avoid the risk of entanglement with serious injury or death.

 DANGER

Before engaging the PTO of the tractor, always make sure that the drive shaft is mounted in the correct direction, and that its clamping elements are properly connected both to tractor side and to Rotary Hoe side.

 WARNING

Stop operating immediately if blades strike a foreign object. Repair all damage and make certain rotor, blades, couplings, PTO shaft and bolts are in good condition before resuming operation.

 WARNING

Always disengage the tractor PTO when the driveshaft exceed an angle of 10 degrees up or down while operating. An excessive angle with driveshaft rotating can break the driveshaft and cause flying projectiles.

 CAUTION

Avoid clutch overheating and wearing caused by too long or frequent slipping of the clutch, since it can damage the clutch components. Before checking the clutch, make sure it has cooled. Clutch could be extremely hot and cause a severe burn.

 CAUTION

Prolonged use of the implement can cause overheating of the gearbox. Do not touch the gearbox during use and immediately after, it could be extremely hot and cause a severe burn.

 WARNING

All repairs to the implement must be performed by qualified and trained operators, with the tractor engine off, the PTO disengaged, the implement lowered to the ground or on security stands, the ignition key off and the parking brake set.

TRANSPORTING SAFETY INSTRUCTIONS **WARNING**

Before transporting, determine the stopping characteristics of the tractor and implement.

 WARNING

Transport only at speeds where you can maintain control of the equipment.

 WARNING

When driving on roads, the implement must be in transport position, adequately raised from the road surface, with tractor lifting hydraulics locked so that the implement cannot be lowered accidentally.

 DANGER

The implement may be wider than the tractor. Pay attention to transporting for people, animals, buildings/sheds and/or other obstacles.

 WARNING

When turning, use extreme care and reduce tractor speed.

 WARNING

Do not operate the tractor with weak or faulty brakes or worn tires.

 CAUTION

Always use tractor lighting system and auxiliary lighting system for an adequate warning to operators of other vehicles, especially when transporting at night or in conditions of reduced visibility.

 DANGER

In the case of lifting this implement, make sure that any lifting device is suitable to perform the operation safely, and use only the lifting points prescribed on Rotary Hoe.

MAINTENANCE SAFETY INSTRUCTIONS **WARNING**

All maintenance and repair operations must be performed by qualified and trained operators, with the tractor engine off, the PTO disengaged, the implement lowered to the ground or on security stands, the ignition key off and the parking brake set.

 WARNING

Perform repairs and replacements part should only be original spare parts provided by the manufacturer, importer or your dealer.

 DANGER

Perform maintenance operations using appropriate Personal Protective Equipment (protective eyeglasses, hard hat, hearing protection, safety shoes, overall and work gloves, filter mask).

 CAUTION

Before any maintenance operation, make sure that the parts which become hot during use (friction clutch, gearbox...) have cooled.

 WARNING

Do not perform repairs that you do not know. Always follow the manual instructions and in case of doubt contact the Manufacturer or your dealer.

 DANGER

Do not swallow fuels or lubricants. In case of accidental contact with eyes, rinse well with water and consult a doctor.

STORAGE SAFETY INSTRUCTIONS **WARNING**

Never leave the tractor unattended with the implement in the lifted position. Accidental operation of lifting lever or a hydraulic failure may cause a sudden drop of the unit which may result in injury/death.

 DANGER

Following the operation, or before unhooking the implement, stop the tractor, set the brakes, disengage the PTO, lower the attached implement to the ground, shut off the engine, remove the ignition key and wait for all moving parts to stop.

 WARNING

Make sure all parked machines are on a hard, level surface and engage all safety devices.

 CAUTION

Place support blocks under implement as needed to prevent the unit from tipping over onto a child and/or an adult. An implement that tips over can result in injury or death.

 CAUTION

Store the unit in an area away from human activity.

SAFETY LABELS

The safety labels applied on the machine give fundamental information for using the machine safely.

Make sure safety labels are in good conditions. If pictograms are worn, they must be replaced with others obtained from the manufacturer and placed in the position indicated by this manual.

Make sure the safety labels are legible. If necessary, wipe them by a cloth, with soap and water.

STARTUP

Before the start-up and before each use, perform the following pre-operation inspections and service of the implement:

- Check that the implement has no damaged functional parts and has all mechanical parts are good condition. Repair and / or replace the damaged parts;
- check that the implement has no missing parts (pins, safety pins, plugs oil ...). Restore the missing parts;
- check that all guards and safety devices have no damages and are properly positioned. Repair and / or replace the damaged shields, restore the correct position;
- verify that the PTO driveshaft is properly installed (see section: Connection of the drive shaft);
- check that the driveshaft clutch is in good condition, and that its components are not subject to "sticking" (see section: Maintenance / Driveline);
- check the presence of lubricant in all greasing points of the implement (driveshaft, supports...)
- Check for oil leaks from the gearbox or the transmission side cover. Identify the reason of loss, then repair and / or replace the damaged components;
- check the correct oil level in the gearboxes
- check that blades are not excessively worn and the relating hardware is correctly tightened
- **Check that all hardware (nuts, bolts, etc.) are properly tightened.**
- check that all safety decals are correctly positioned, in good condition and legible. Replace any damaged decals;
- check that there is no constraints that may prevent the movement of equipment. Remove any constraint.

Before the startup and before each use, make the following checks on the operating area you intend to operate:

- check that area is clear of foreign objects (rocks, branches or debris). Remove any obstacle and visibly highlight obstacles that cannot be removed (e.g. with flags);
- make sure that in the area you intend to operate there are no people or animals;
- make sure the soil to be worked is not too grassy, muddy, sandy or rocky.

WARNING

Before conducting the above inspections and service, make sure the tractor engine is off, all rotation parts are completely stopped and the tractor is in park with the parking brake

engaged. Make sure the implement is resting on the ground or securely blocked up and the tractor lifting hydraulics locked.

Once all the checks above have been done, start the tractor and the implement as follows:

- start the tractor and engage the tractor PTO at low rpm, making sure that the implement is NOT in the raised position but close to the ground, then increase speed engine until to 540 or 1000 rpm (dependent on which size model you have purchased)
- lower the implement on the ground and simultaneously start driving the tractor forward at low speed. Subsequently, increase the ground speed depending on ground conditions;
- If the outside temperature is very cold, it's recommended to engage the PTO and have the implement operate at low speed (with the tractor stationary) to warm oil and lubricate parts;
- Drive for a while operating the implement then stop the tractor to check the quality of the work performed. If you need to get off the tractor, reduce engine speed and disengage PTO, set the parking brake, stop engine, and remove the ignition key.

All machine warranty provisions include correct operational and maintenance advice included in this manual.

1. Tractor horsepower and machine transmission rating match

To ensure long operational life of driveshaft, gearbox couplings etc, the following options should be added before use to avoid costly repairs and safety protection.

- a. Tractors 90hp or higher should use matching clutch hp rated to tractor.
- b. Tractors with PTO brake should use an overrun type of driveshaft.
- c. For tractors over 100hp, we recommend purchasing a 3m wide machine which is designed to operate at 1000RPM and matching hp clutch.

These options are available from Fieldmaster.

If in doubt or need advice,

phone 0800 500 275 HELP DESK

2. **Blade options – to suit application of use**

- a. 3 tier mulching blades – all mulching operations, stubble, kikuyu, prunings etc. Special Tungsten treated blade option for lower blade, recommended for abrasive conditions.
- b. Axe head flails – rushes, gorse & manuka up to 50mm
- c. Gold tips – replaceable flail tip for clean cut pasture topping.

These options are available from Fieldmaster and only take a few minutes to change.

Note: Blades must be replaced in pairs for balance – NEVER MIX WORN AND NEW BLADES

3. **Anti scalp options**

- a. Rear roller is recommended for undulating contour and/or low cutting cut
- b. Anti scalp saucers, top hat under rotor (does not limit scalping) fit where roller is not suitable.
- c. Puncture proof castor wheels – orchard, vineyard, stony ground etc.

These options are available from Fieldmaster and can be retrofitted.

FITTING TO TRACTOR

3 point linkage

- When attached, make sure sway chains are adjusted taut
- Fit top link to fixed hole for transport position
- Fit top link in slot position for contour following approx 20mm from front end of slot
- Lateral movement of machine chassis can be gained using tractor hydraulic drop arm position (one side only)
- Use tractor draft control for partial weight transfer and to increase skid life.



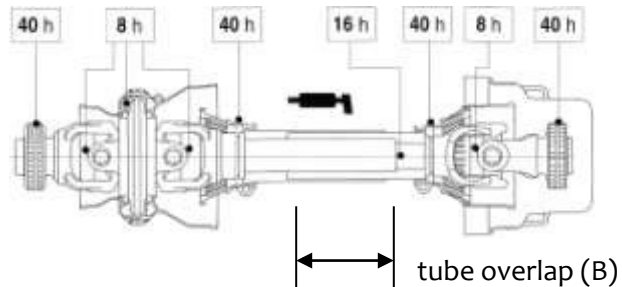
Care taken in observing linkage settings can avoid undue stresses to linkage and chassis resulting in premature fractures and/or other damage not covered by warranty.

NEW MACHINE

Fitting driveshaft

Driveshaft length: tractors vary, so driveshaft length needs checking. Driveshaft must not bottom out when lifting or lowering linkage.

See diagram – at any position driveshaft tubes (B) must be engaged by at least one third of the length of telescoping tube.



Shortening driveshaft

- Remove plastic safety covers.
- Cut steel tubing to required length – remove any burrs on cut ends.
- Re-cut safety cover ends and refit covers.

Ensure liberal grease is applied to sliding shaft before reassembling.

Grease cross nipples and small wipe on splines to make easier first fit of new splines.



Safety first – make sure locating pins are properly engaged in locating groove on tractor and machine gearbox. **DANGER HAZARD IF NOT PROPERLY SECURE.**

Check gearbox oil level

85W-140 or EP90 rated oil recommended

Fill from breather plug on top of gearbox – oil level plug on side of gearbox or dipstick check – must be above centre pinion shaft.



IMPORTANT OPERATIONAL ADVICE



Machines with slip clutch

- a. To correctly set slip, compress tension springs fully then back off two turns.
Note: fine tune so the clutch slips occasionally.
- b. On 20 spline models, clutch retaining clamp bolt must be rechecked after first 5 hours work to 150ft/lbs and rechecked weekly after that.

LOOSE BOLTS = STRIPPED SPLINES

- c. Once a year, release springs completely to allow clutch to slip and polish pressure plates. Otherwise, plates may adhere to each other and offer no slip protection.
- d. If fitted with a cam clutch, this is factory set and it is advised to grease before operating.

Failure to attend to all of the above may void warranty

Start up caution

Engage PTO at low engine revs and then gradually bring up to operating speed (under load speed)

Safety practice

- Keep spectators and children etc. away from machine and out of range of any possible flying material being ejected.
- Do not use the machine with any safety guards missing or damaged.
- Make regular inspection of blades and flail bolts, and replace in the case of excessive wear, vibration, or loose flail bolt – flail bolts must be tight.



When inspecting underneath a machine raised on tractor linkage, please put blocks or chassis stands under the skid/rollers to prevent being crushed by machine in the case of any inadvertent dropping of the machine.

It is recommended to replace the flail bolt when replacing blades – always replace blades in sets on the same rotor. Note: double edged blades can be rotated for a fresh cutting edge – sharp blades mean less power required.

- Set cutting height high if mowing tall material in unknown areas. Avoid hazards such as stumps, rocks etc.
- **Never** adjust height or attempt to clear blockage etc while blades are rotating – ensure totally stopped.

- Operator is advised to start with slow ground speed until familiar with tractor and machines capacity. A lower gear with correct revs is easier on tractor and machine and will produce a better cut finish or mulching result.
- Never operate a vibrating machine. Establish the cause and remedy immediately.

PLEASE MAKE SAFETY TOP PRIORITY – KEEP HANDS AND FEET CLEAR, WEAR APPROPRIATE CLOTHING, BOOTS AND EYE PROTECTION AS APPLICABLE.

SETTINGS

Model GMM & GMT ‘3 n 1’ series skid cutting height control

- a. Cutting height is changed by loosening the skid retaining bolts first then winding the screw height adjuster on the top of the skid flange to selected height setting on height gauge transfer on skid slot – central ‘V’ on the screw is the setting mark – then retighten skid retaining bolts.

Please note: the height setting transfers are factory set to ensure slight forward tilt of mower so blades cut principally on forward arc, saving power. The forward tilt of the deck may be noticeable – this is normal.

Note: the transfer height setting will be accurate only to the blade type originally fitted at the factory. It is important that both skids are set at matching heights and have the same deck tilt forward.

- b. If the machine has a skid mounted rear roller, this will add approximately 15mm to the setting height. The full weight of the machine should run on the roller – take the front skids off the ground using the hydraulic lift to make them airborne or use the top link to do so in the fixed hole setting.

Model GML, GMS & GMR ‘2 n 1’ series Mulcher/Mower cutting height

- a. Cutting height is achieved by raising or lowering the roller bracket with selecting the hole on quadrant radius – the same selected position both on the front stubbie rollers and rear roller brackets.

Mulching:

For mulching prunings it will be found that low height settings will give best pruning pick up and mulching result – note that many prunings slit horizontally for fast composting.

Mulching vane retains material for fine cut results.

Mowing:

- a. Bolt on mulching vane may be removed.
- b. Side panels may be removed for LH/RH discharge of grass or retained for rear discharge of grass.
- c. Axe head flails or gold tip blades can be optionally fitted if preferred for normal grass mowing applications.

General factory option recommendations

- a. Rollers best for same track operation as vineyards and performs as safety barrier.
- b. Puncture proof castor wheels – pneumatic absorbing wheel on stony conditions. May need extra guarding if rear discharge option for safety.

Phone Fieldmaster HELP DESK 0800 500 275

IMPORTANT: CONDITIONS OF WARRANTY COVERAGE

Initial check intervals after first 1 hour / 4 hours / 8 hours / 12 hours of operation from new.

‘Bed in’ can require attention to the following:

- **Gearbox bolts – check and tighten.**
- **Machine Body bolts – check and tighten.**
- **Headstock bolts – check and tighten.**
- **Blade Bolts/Nuts – Check and tighten.**
- **Oil levels of gearboxes – some initial seepage of output shaft is not uncommon**
- **Main hub nut on flail/blade carrier taper spline on gearbox output shaft – Check fitment on shaft**
- **Grease roller bearings, driveshaft, and wheel bearings as applicable**

****It is highly recommended that these checks be carried out as part of your pre-operation checklist before commencing operation of this machine. ****

Operator tip: For machines fitted with rollers, grease bearings after a day's use and/or machine washing to force out water and foreign material will prolong bearing life.

- Flail bolts – check must be tight and not rotating
- Check clamp bolt on slip clutch 150ft/lbs – very important on 20 spline models
- Remove cross shaft cover, check driveshaft clamps (grease driveshaft cross bearings on GM300), check coupling bolts and clamps. Replace cover.

Failure to attend to the above may cause premature failure and such failure is considered operator neglect and is not covered by warranty.

Routine servicing

Regular servicing is basic to getting the best service and component life from your machine. Lubrication is low cost yet essential to longevity of even quality componentry that Fieldmaster uses.

Service intervals

- Driveshaft cross and bearings – daily
- Roller bearings – daily
- Driveshaft slide pull apart and grease – weekly
- Wheel bearings and pivot points grease or oil as applicable – weekly
- Sharpening blades (careful when grinding not to blunt edge) – check weight with opposite blade as balance is critical

Spare parts

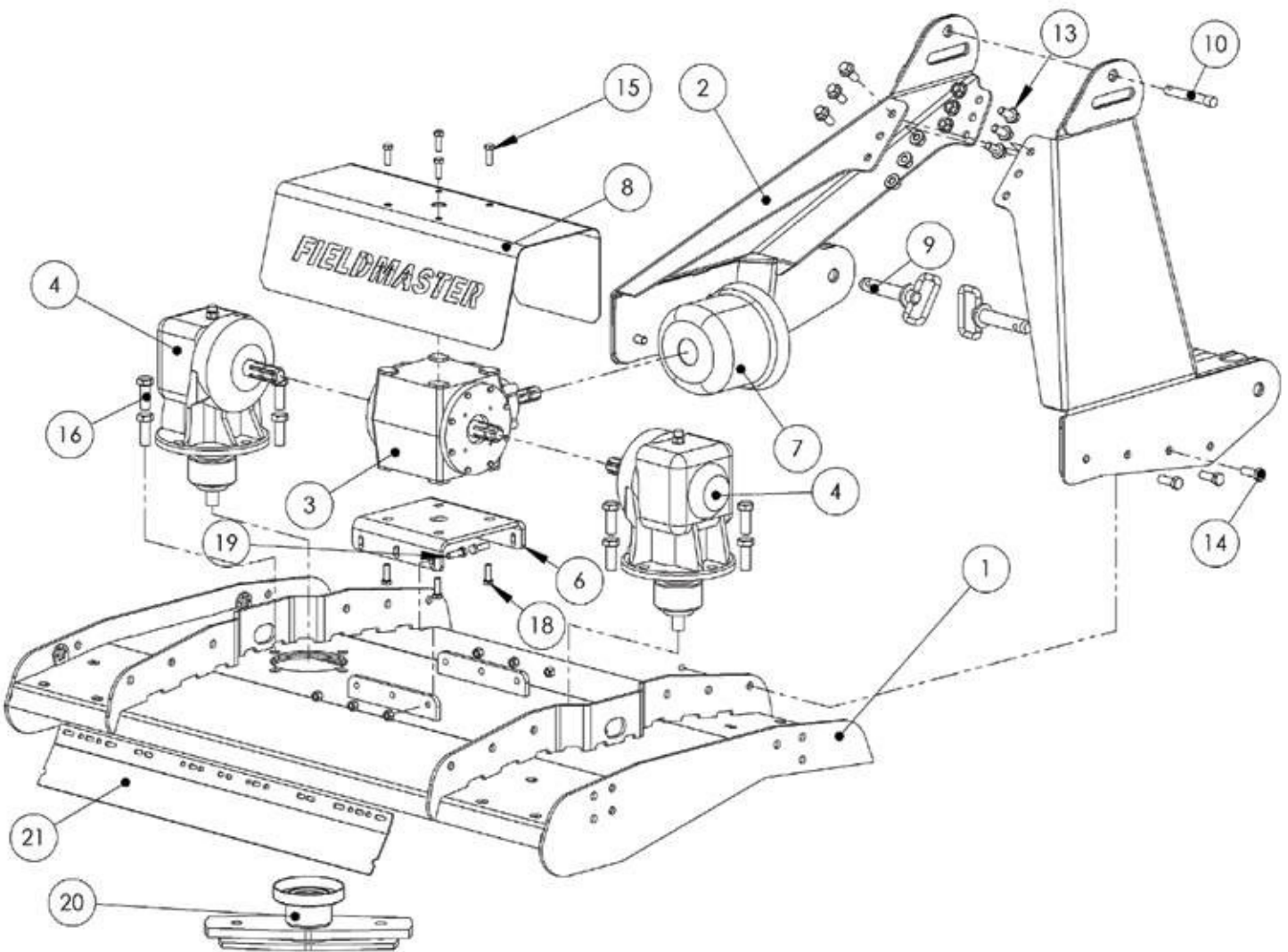
Using genuine safety tested Fieldmaster parts will ensure both safety and proven long service life

Birthday service

Machines in contractor and high hourage applications will find benefit in a 'Birthday Service' check by your dealer. Worn or suspect parts should be replaced before the new season to avoid costly downtime and inconvenience.

Gearmower GMM/GMT/GML/GMS/GMR

2 ROTOR MODELS



Gearmower GMM/GMT/GML/GMS/GMR

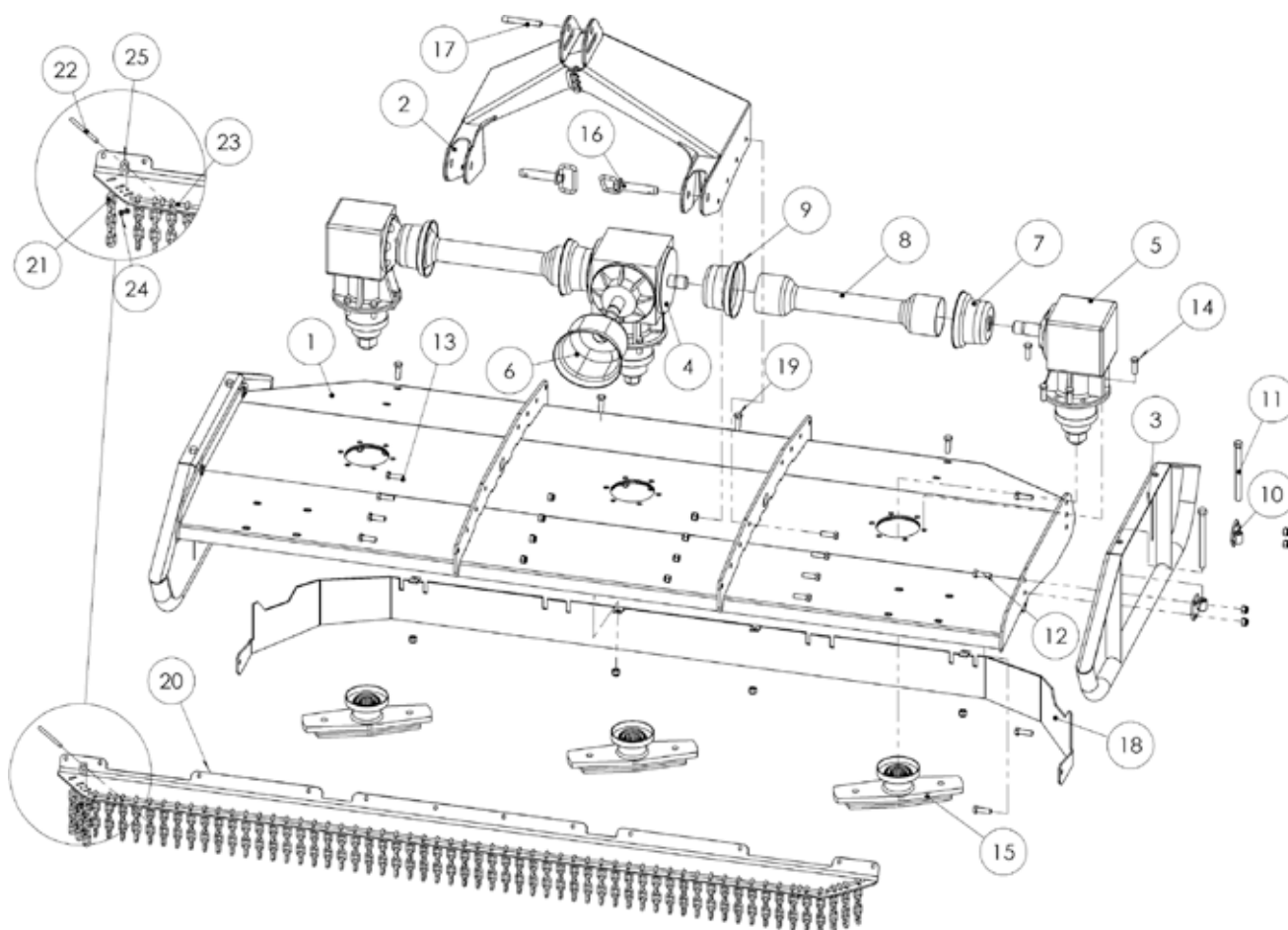
ITEM NO	PART NO	DESCRIPTION
1	160.02	Main Deck, Gearmower 160
	160.02E	EURO 160 DECK
	180.02	Main Deck, Gearmower 180
	180.02E	EURO 180 DECK
	200.02	Main Deck, Gearmower 200
	200.02E	EURO 200 DECK
	230.02	Main Deck, Gearmower 230
	230.02E	EURO 230 DECK
	270.02	Main Deck, Gearmower 270
	270.02E	EURO 270 Deck
	300.02	Main Deck, Gearmower 300
	300.02E	EURO 300 Deck
2	1880LH	M A Frame LHS
	1880RH	GM A Frame RHS
3	1.666	Centre T Box - ITG (standard)
	2050053G111	Centre T Box (GM 140 only)
	FM1032	Euro 270/230/200/180 Centre T G/B (1:1.46)
	FM1096	Euro 140 Centre T Gearbox (1:1.92)
4	1.265	Outer Gearbox (1:1.93)
	1.114	Outer Gearbox 270 model (1:1.46)
	1.004	Outer Gearbox (GM 140 only)
	FM1095	Euro 140 Side Gearbox (1:1.92)
	FM1030	Euro 230/200/180 Side Gearbox (1:1.91) #1
	FM1033	Euro 270 Side Gearbox (1:1.53) #2
	19.075B	Coupling Rubber Element only
	FM1079	Red Flexible Coupling Element with Bushes

See separate page for skid, roller, and wheel listings.

ITEM NO	PART NO	DESCRIPTION
6	77040	Centre Gearbox Mount
	20337020	GM140 Euro Central Gear Box Bridge
	1141004	GM Euro Central Gear Box Bridge
7	2190402	PTO Cone
	FST	PTO Cone Mounting Bolt
8	117020	Transmission Cover 160/180
	117025	Transmission Cover 200/230
	77088	Transmission Cover 270
	337039	GM140 Gearbox Cover
	12302001	EURO GM160/180 Gearbox Cover
	1192001	EURO GM200/230 Gearbox Cover
	1142001	EURO GM270 Gearbox Cover
9	5050	Lower Link Pin
10	10041	Top Link Pin
13	FST	Flange head Bolt & Nut
14	FST	Flange head bolt/nut
15	FST	Cover Bolt
16	FST	Outer Gearbox Mounting Bolt/Nut
18	FST	Centre Gearbox Mounting Bolt
19	FST	M12 x 50 Bolt (G/B Box Bracket)
20	7403218	Flail Carrier GM160 (old XHD's)
	7403220	Flail Carrier GM180-230
	12603FA01	Euro GM160 Flail Carrier - 35mm offset
	11903FA01	Euro GM180/200 Flail Carrier - 55mm offset
	7403223	Flail Carrier GM270
	11403FA01	Euro GM230/270/300 Side Flail Carrier - 95mm
21	77112	Rear Mulch Panel (660mm long)
	77111	Rear Mulch Panel (900mm long)
	193126	Rear Mulch Panel Set (GM270)
	197160	GM200 Full Width Rear Mulch Panel
	197161	GM230 Full Width Rear Mulch Panel

Gearmower 3.0m & 3.3m

3 ROTOR MODELS



ITEM NO	PART NO	DESCRIPTION	QTY
1a	300.02	Main Deck GM300 (3.0m)	1
	300.02E	EURO 300 Deck	1
1b	330.02	Main Deck GM330 (3.3m)	1
	1880RHS	GM A Frame RHS	1
	1880LHS	GM A Frame LHS	1
3a	725000	GM/TM Mulcher/Topper Skid	2
	424004	GM270 New Style Skid (LH or RH)	2
4	FM1029	Euro 300 Centre Gearbox	1
	1.670	Centre Gearbox (2011 onwards)	1
5	1.261	Outer Gearbox (1:1)	2
	FM1031	Euro 300 Side Gearbox	2
7	2190402	P.T.O Cone	5
8a	A6043017	Transfer Driveshaft c/w Covers	2
	A8043017	Series 8 Cross Shaft 1 3/4" 20Sp (A6043017)	2
	FM1037	Euro/GMM300 PTO Coupling Cross Shaft	2
8b	507063851	Driveshaft yoke only (1 3/4"x20)	-
8c	41206	Driveshaft Universal Joint	-
10-11	910912	Skid adjuster c/w screw	4

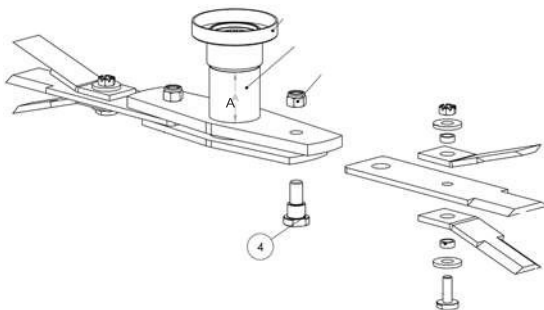
ITEM NO	PART NO	DESCRIPTION	QTY
12	FST	Skid Mounting Bolt	8
13	FST	Flanged Nut & Bolt	14
14	FST	Gearbox Mounting Bolt & Nut	18
15	970140.01	Flail carrier (GM300/330)	3
	11403FA01	Euro GM230/270/300 Side Flail Carrier	2
	11502FA01	Euro GM300 Centre Flail Carrier	1
16	5050	Lower link pin	2
17	100041	Top link pin	1
18	193125	GMM300 Full Width Rear Mulch Panel Set	1
19		Mounting bolt/nut	4
	193125	GMM300 Full Width Rear Mulch Panel Set	1
20b	77121	GMM300 Front Chain Guard	1
	193125	GMM300 Full Width Rear Mulch Panel Set	1
21	540805	Chain link (Per metre)	A/R
22	FM1049	12mm Rod (per mtr)	A/R
23	FM1049	12mm Rod (per mtr)	A/R
24-25	BU840	U Bolt Retainer for 8mm Chain Curtain Links	A/R

Refer to following pages for other parts breakdown

GEARMOWER & XHD

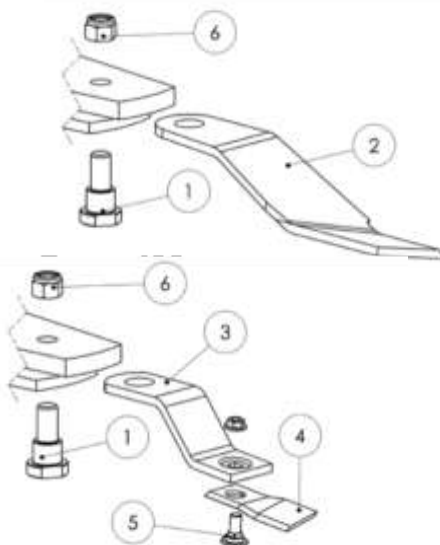
BLADE ASSEMBLY (MULCHER)

ITEM NO	PART NO	DESCRIPTION
1	10401200	Centre Mulching Flail 140/160
	10501210	Centre Mulching Flail 180
	10601220	Centre Mulching Flail 200/300
	10701230	Centre Mulching Flail 230
	10801240	Centre Mulching Flail 270
2	1255	Mulching Tip 140 - 160 (170mm)
	388	Mulching Tip 200 - 300 (245mm)
3a	188	Flail Bolt
3b	FST	Hardened Washer
3c	1778	Hardened Bush
3d	368	Castlenut
N/S	2.402	Split Pin
4	2443	Main Flail Bolt - Stepped
5	377PL	Main Flail Lock Nut
6	19-099	Weld on Seal Protector Ring
7	7406218	Flail Hub and Carrier (A=30mmo/a)
	7403220	Flail Hub and Carrier (A=55mmo/a)
	7403223	Flail Hub and Carrier (A=90mmo/a)
	970140.01	Flail Hub & Carrier (GM300)



BLADE ASSEMBLY (TOPPING / SLASHER)

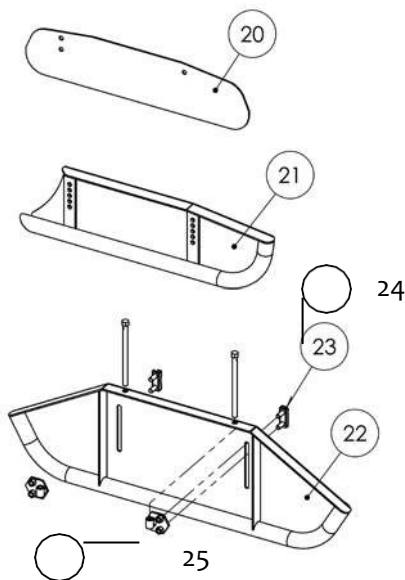
ITEM NO	PART NO		DESCRIPTION
	LH	RH	
1	2443		Flailbolt - stepped
2	100L	100R	Slasher Flail (140/160)
	1050LH	1050RH	Slasher Flail (180)
	1060LH	1060RH	Slasher Flail (200/300)
	1070LH	1070RH	Slasher Flail (230/330)
	1080LH	1080RH	Slasher Flail (270)
3	10401300		Flail tip carrier (160)
	10501310		Flail tip carrier (180)
	10601320		Flail tip carrier (200/300)
	10701330		Flail tip carrier (230/330)
	10801340		Flail tip carrier (270)
4	2365.01	2365.02	Gold Tip Flail
5	2365		Flail Bolt / Nut - Gold Tip
6	377PL		Locking nut



Older Gearmowers Prior to 2006 used 'Shear-Tip' blade system on a beam - see page 8

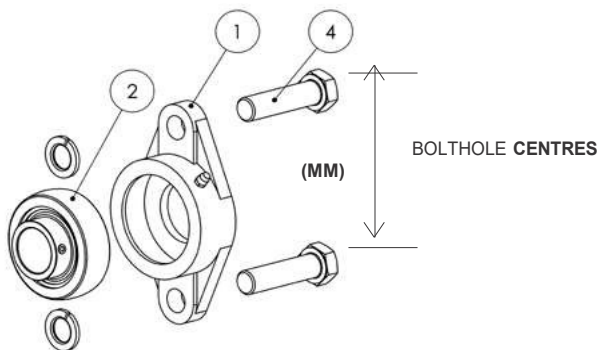
GEARMOWER & XHD SKIDS / PANELS

GEARMOWER



ITEM NO	PART NO	DESCRIPTION
20	197042	Side Plate (GM200)
	77103	Side Plate (GM270)
	187031	Side Plate (MX60)
	187032	Side Plate (MX70)
	227058	Side Plate (MX160/180)
21	717000	Short Skid - LH GM 180-230
21	717001	Short Skid - RH GM 180-230
22	725000	Topper Skid GM180-230
	720000	Topper Skid LH - GMT270/300
	720001	Topper Skid RH - GMT270/300
23	910913	Bolt Retainer Plate
	53210	Skid bolt/nut (M16X50)
24 & 25	910912	Long Threaded Adjuster Bolt & Clamp (11") - 2hole
	910916	Short Threaded Adjuster Bolt & Clamp (9") - 2 hole
	910910	Short Threaded Adjuster Bolt & Clamp (9") - 1 hole

ROLLER BEARINGS



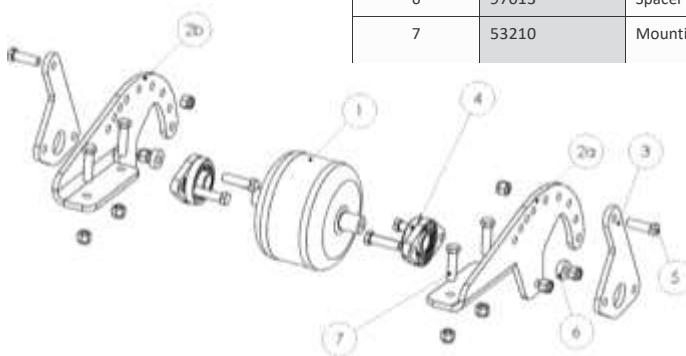
ITEM	PART NO	DESCRIPTION	A
1	1199A	Bearing Housing 206	117mm
	1200A	Bearing Housing 207	130mm
	1208A	Bearing Housing 208	145mm
	1208HDA	3 Bolt Housing	XHD
2	1199B	Bearing (30mm shaft)	
	1200B	Bearing (30mm shaft)	
	1200HDB	Bearing (35mm shaft)	

ITEM	PART	DESCRIPTIO	A
	1208B	Bearing (40mm shaft)	
3	1199C	Bearing Cover	117mm
	1200C	Bearing Cover	130mm
	1300C	Bearing Cover	145mm
4	B1660N	Bolt & Nuts Set for Bearing cover (M16x60)	
	B1675N	Bolt & Nuts Set for Bearing cover (M16x75)	

GEARMOWER FRONT STUBBIE ROLLER

Ø ROLLER 21 cm diameter

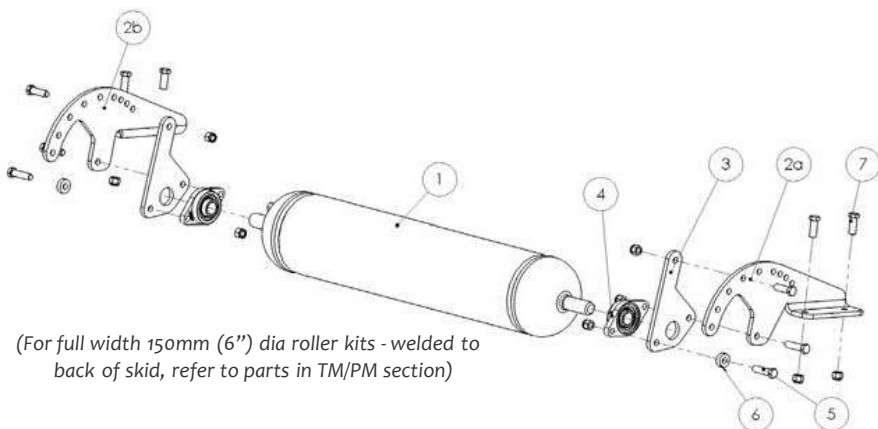
ITEM NO	PART NO	DESCRIPTION
1	980760HD	Stubbie roller (35mm axle)
2a/2b/3	988710	Roller bracket set GM140-230 (4pcs)
2a/2b/3	988709	Roller bracket set GM270-300 (4pcs)
3	988711	Adjuster bracket (2007-7-048)
4	1200A	Bearing Housing only
	1200B	Bearing only - for 30mm axle
	1200HDB	Bearing only - for 35mm axle
5	B1675	Adjuster bolt/nut (M16x75)
6	97013	Spacer bush (2019 -7-013)
7	53210	Mounting bolt/nut (M16x50)



GEARMOWER REAR ROLLER (MEGA)

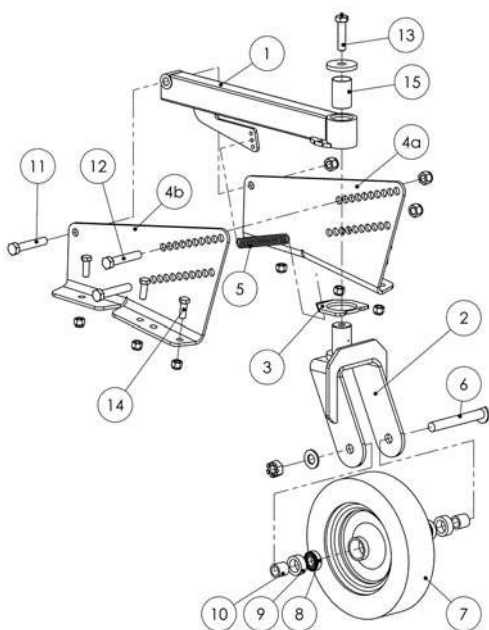
Ø ROLLER 21 cm diameter

ITEM NO	PART NO	DESCRIPTION
1	980761.1	Mega Rear Roller GM160 - 180
	980763.1	Mega Rear Roller GM200 - 230
	980764	GM270 - 300/330
2a/2b/3	988710	Roller bracket set GM140-230 (4pcs)
2a/2b/3	988709	Roller bracket set GM270-300 (4pcs)
3	988711	Quadrant Adjuster Plate
4	1200A	Bearing Housing Only
	1200HDB	Roller Bearing Only
5	B1675	Bearing Bolt and Nut (M16x75)
6	97013	Bush
7	53210	Mounting Bolt and Nut (M16x50)



(For full width 150mm (6") dia roller kits - welded to back of skid, refer to parts in TM/PM section)

GEARMOWER WHEEL ASSEMBLY



ITEM NO	PART NO	DESCRIPTION
1	114007	Front Wheel arm (Models 160-230)
	194007	Front Wheel Arm (Models 140)
	114019	Front Wheel Arm (MX60/70)
	194007	Rear Wheel Arm (Models 140-230)
	114007	Rear Wheel Arm (MX)
2	114018	Front Wheel Clevis
	114008	Rear Wheel Clevis
3	981011	Spring Locking Plate
4a/4b	334002	Mounting Plate (pair)
	197016/7	L & RH Front Mounting Plate (GM160-230)
	197018/9	L & RH Rear Mounting Plate (GM160-230)
	97001/2	L & RH Front Mounting Plates (GM270-300)
5	981115	Wheel Return Spring
6	06.049	Wheel Axle with grease nipple)
	11.063	Axle Castlenut
7	16.090	Wheel & Rim (Pneum. filled)
8	6205	Wheel Bearing
9	355207	Axle Seal
10	116009	Wheel Spacer
11	B20100	Arm Pivot bolt & nut
12	B20100	Height Settingbolt/nut
	5039	Height Settingpin
13	116608	Retaining bolt
14	116018	H.D Pivot retaining washer
15	46275	Wheel Pivot bush

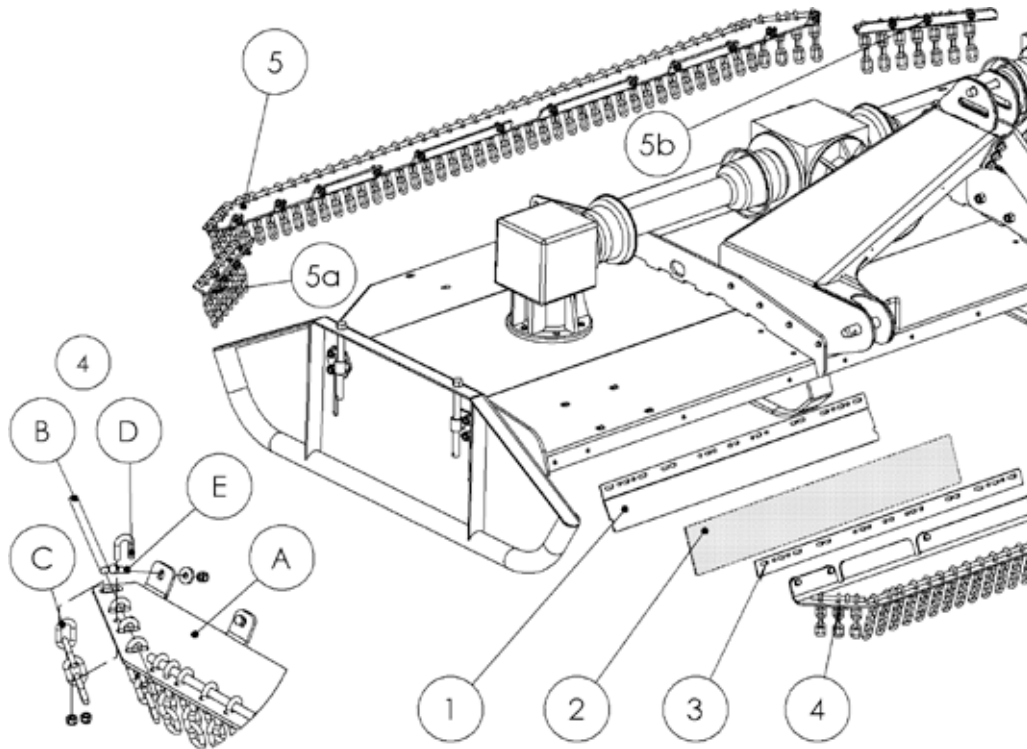
WELD ON ANTISCALP SKID



PART NO	DESCRIPTION	QTY
719002	Weld on Skid GM300	2
719003	Weld on Skid GM180 - 270	1

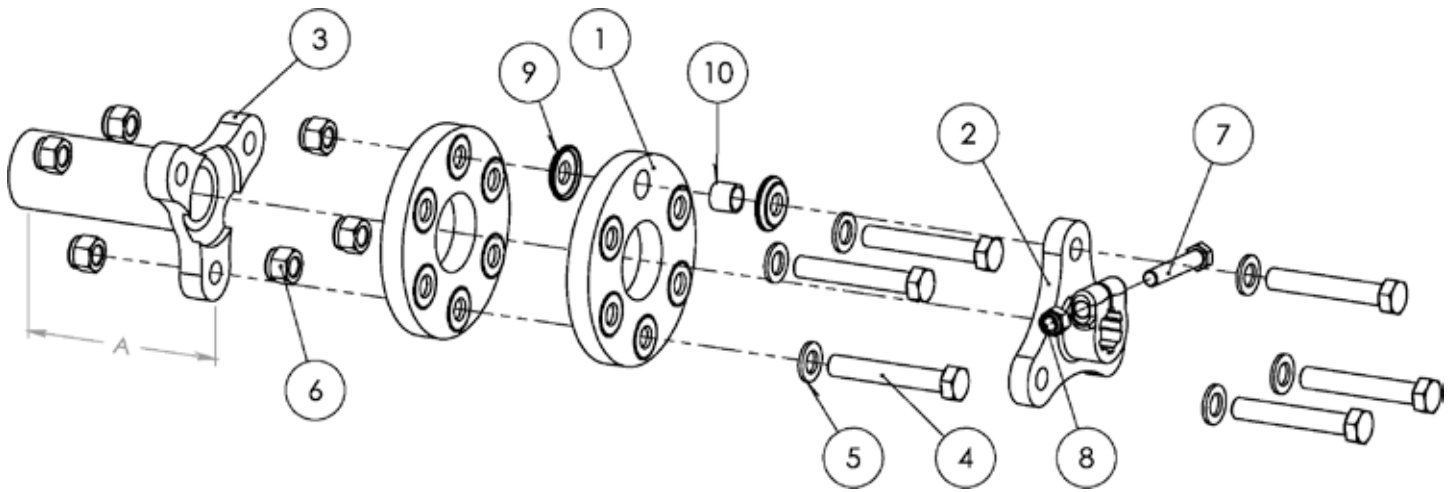
*Weld on antiscalp skid fits at the front of the
Gearmower model machines, in between rotors.*

Rubber/Metal Skirt/Chain Curtain



ITEM	PART NO	DESCRIPTION
2	771400	125mm Wide Rubber Guard (per metre)
2	771300	150mm Wide Rubber Guard (per metre)
3	775300	Backing Support Strip (Metal) per metre
4a	197046	Front/Rear Curtain Plate GMM180
	197047	Front Curtain Plate GMM200
	197091	Front/Rear Curtain Plate GMM230/270
	197079	Front Curtain Plate GMM270
	77121	Front Curtain Plate GMM300
4b	FM1049	Metal Rod (per metre)
4c	540805	Chain Link (per metre)
4d-e	BU840	U-Bolt (Comes with nuts)
5	77136	Rear Chain Plate 300
	20197239	RH Rear Corner Guard GM230
	20197240	LH Rear Corner Guard GM230
	20197236	LH Rear Corner Guard GM180
	20197235	RH Rear Corner Guard GM180
	197093	RH Rear Corner Guard GM270
	197094	LH Rear Corner Guard GM270
	197095	LH Rear Corner Guard GM300
	197092	RH Rear Corner Guard GM300

Coupling Assembly - Gearmower & XHD



ITEM	PART NO	DESCRIPTION	QUANTITY USED					
			1	1	1	2	2	2
1	19.075B	Rubber Element Only	1	1	1	2	2	2
	FM1079	Red Element	1	1	1	2	2	2
	35.158	4 Bolt 50 Series (Used on XHD Series)	N/A	N/A	N/A	N/A	N/A	N/A
	30.075	3 Bolt 30 Series (Used on XHD Series)	N/A	N/A	N/A	N/A	N/A	N/A
	2032GM180/3BH	GM180 3Bolt Centre Flex Hub (13/8 26) XHD Series	N/A	N/A	N/A	N/A	N/A	N/A
	2032EGM3BF	Euro GMHD 3 Bolt Flange (1 3/4" 26)	N/A	N/A	N/A	N/A	N/A	N/A
	2032GM230H	GM230 HD 3 Bolt Centaflex Hub - (1 3/8" Z6)	N/A	N/A	N/A	N/A	N/A	N/A
	2032GM3BF	GM HD 3 Bolt Centaflex Flange - (1 3/8" Z6)	N/A	N/A	N/A	N/A	N/A	N/A
2	314003	Clamp Flange Standard	N/A	1	2	2	1	1
	203102FA01	Euro GM230 Centre GB Coupling (13/4 26m)	N/A	N/A	N/A	N/A	2	N/A
	203103FA01	Euro GM 200 Centre Coupling	N/A	N/A	N/A	2	N/A	N/A
	203104FA02	Euro GM 160/180/ Centre Coupling GB (13/4 26)	N/A	2	2	N/A	N/A	N/A
	203104FA01	Euro GM 160/180 Side Coupling GB (13/8 26)	N/A	2	2	N/A	N/A	N/A
	203107FA01	Euro GM 200/230/270 GB Coupling (1 3/8 26)	N/A	N/A	N/A	4	4	4
	203105FA01	Euro GM 140 Side/Centre Coupling (13/8 26)	1	N/A	N/A	N/A	N/A	N/A
3	35.208U	Flange with extension (A = 160mm)	N/A	N/A	N/A	N/A	1	N/A
	35.209U	Flange with extension (A = 260mm)	N/A	N/A	N/A	N/A	N/A	1
4/5/6	FST	Coupling Bolt Nut & Washer M16x90	12	12	12	24	24	24
7/8	FST	Clamp Bolt & Nut 1/2" x 3"						
9	FST	Metal Cupped Washer	24	24	24	48	48	48

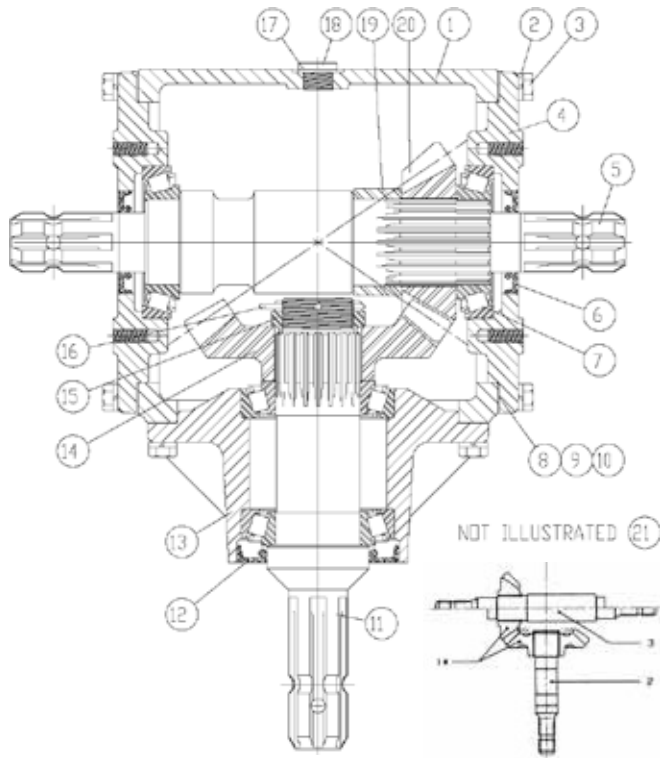
01-126/01-666 Gearmower Centre Gearbox

01-126 GM 160-230 (1 3/8" x 6 SP Input)

01-666 GM 270 (1 3/4" x 20 SP Input)

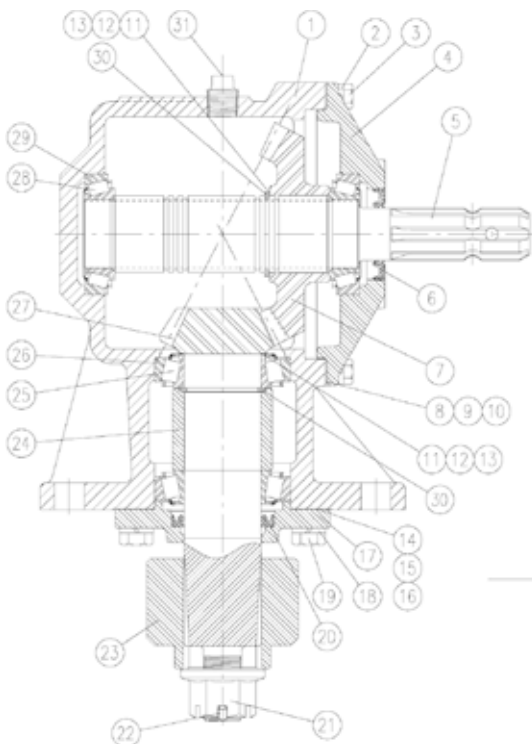
Ratio: 1.46

Suits: GMT + old generation GMM/GML/GMS/GMR)



ITEM	PART NO.	QTY	DESCRIPTION
1	18020	1	Housing
2	7.001	24	dia 10 Lockwasher
3	FST	24	M10 x 1.5 x 30 Hex Head Cap Screw
4	20.021	2	Thru Cap
5	2.045	1	Thru Shaft
6	5.04.112.12	2	Oil Seal
7	4.011	4	Bearing Assembly
8	8.006	VAR	Gasket (0.30)
11	2.017	1	Input Shaft (1 "x 6 spline)
11/ a	2.039	1	1 3/4" x 20 spline input shaft
12	5.012B	1	Oil Seal
13	20.018	1	Input Hub Cap
14	3.009	1	19 Tooth Gear
15	11.012	1	Bearing Adjusting Nut
16	2.402	1	Cotter Pin
17	7.022	4	Sealing Washer
18	9.013	3	M18 x 1.5 Level Plug
19	10.001	1	Spacer
20	3.008	1	13 Tooth Gear
21	9.011	1	M18 x 1.5 Vent Plug

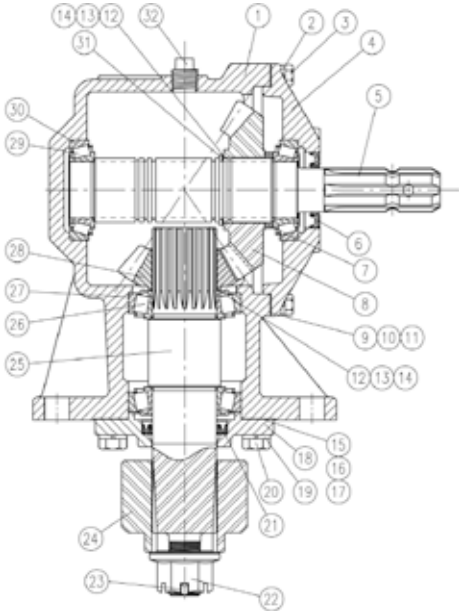
1.265 (1:1.93) M50, M60, Outer Gearmower, TM/PM Gearbox



2	7.001	8	dia 10 Lockwasher
3	6.017	8	Hex Head Cap Screw
4	20.026	1	Input Cap
5	2.054	1	Input Shaft
6	5.02.112..12	1	Input Oil Seal
7	3.113	1	29 Tooth Gear
8	8.006	VAR	Input Cap Gasket (0.15)
12	17.002	VAR	Shim (0.30)
13	17.003	VAR	Shim (0.50)
14	8.001	VAR	Output Cap Gasket (0.15)
15	8.002	VAR	Output Cap Gasket (0.25)
17	20.025	1	Output Cap
18	7.01	4	Lockwasher
19	FST	4	Hex Head Cap Screw
20	5.04.133.34	1	Output Oil Seal
21	FST	1	1" UNF Nyloc Nut Hex
22	2.4.2	1	Cotter Pin
23	15.006	1	2 1/2" Blade Hub
24	10.083	1	Output Spacer
25	4.01.101.13	2	Bearing Cone
26	4.01.102.09	2	Bearing Cup
27	3.112	1	15 Tooth Output Shaft & Pinion
28/29	4.007/8	2	Bearing Cone and Cup
30	21.001	2	Retaining Ring
31	9.002	2	1/2"-14 NPT Level Plug
32	9.008	1	1/2"-14 NPT Vent Plug

1.114 (1:1.46) Gearmower 270 Outer Gearbox

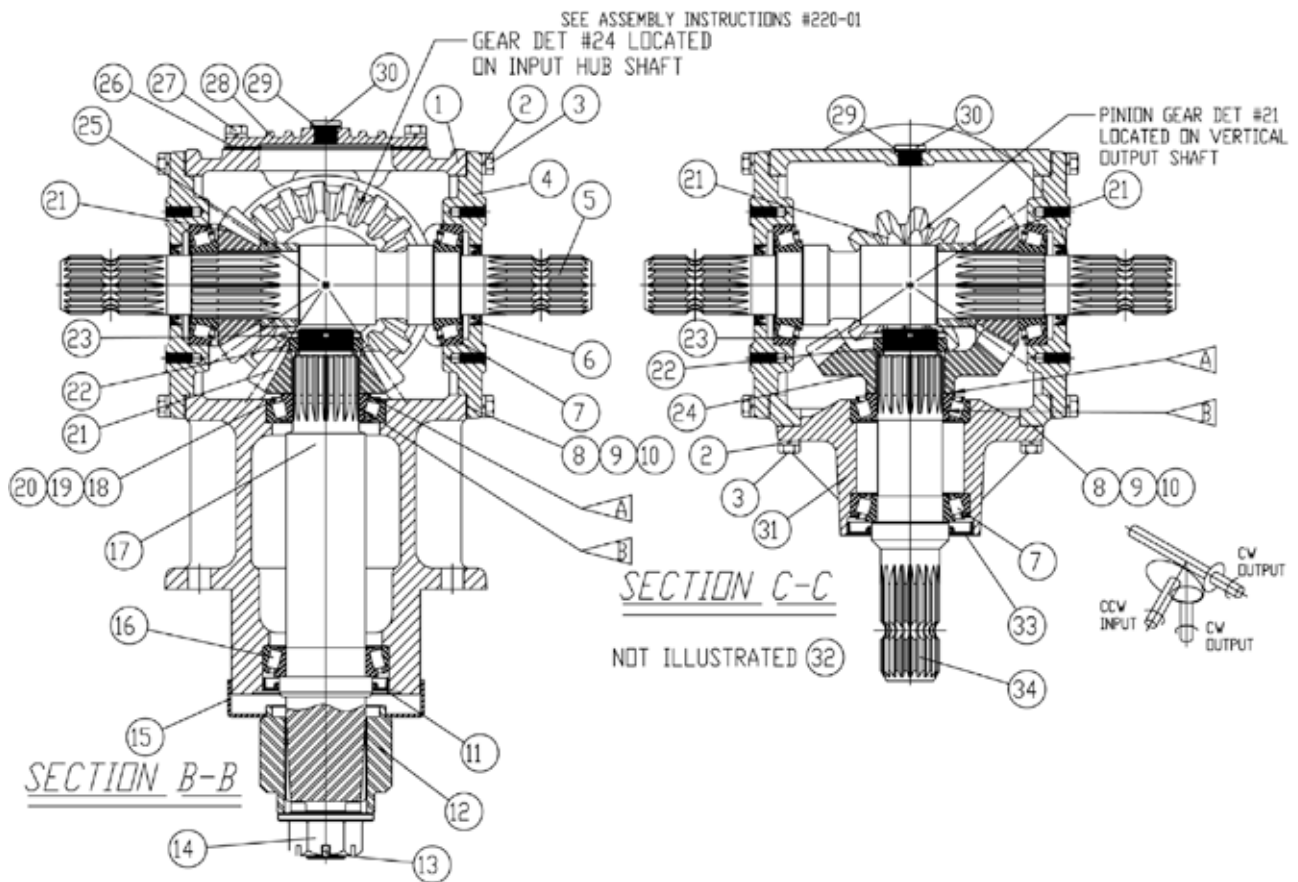
Suits: GMT + old generation GMM/GML/GMS/GMR)



DET.	PART NO	QTY	DESCRIPTION
1	18.027	1	Housing
2	7.001	8	Lockwasher
3	6.017	8	Hex Head Cap Screw
4	20.026	1	Input Cap
5	2.054	1	Input Shaft
6	5.014	1	Input Oil Seal
7	10.027	1	Spacer
8	3.06	1	19 Tooth Gear
9	8.006	VAR	Input Cap Gasket (0.10)
11	8.008	VAR	Input Cap Gasket (0.40)
13	17.002	VAR	Shim (0.30)
14	17.003	VAR	Shim (0.50)
15	8.001	VAR	Output Cap Gasket (0.15)
16	8.002	VAR	Output Cap Gasket (0.25)
18	20.025	1	Output Cap
19	7.01	4	Lockwasher
20	6.018	4	Hex head Cap Screw
21	5.04.133.34	1	Output Oil Seal
22	FST	1	UNF Hex Nyloc Nut
23	12.003	1	Cotter Pin
24	15.006	1	2 1/2" Blade Hub
25	2.053	1	Output Shaft
26	4.01.101.13	2	Bearing Cone
27	4.01.102.09	2	Bearing Cup
28	3.061	1	13 Tooth Gear
29/30	4.007/8	2	Bearing Cone/Cup
	4.008	2	Bearing Cup
31	21.001	1	Retaining Ring
32	9.002	2	1/2"-14 NPT Level Plug
33	9.008	1	1/2"-14 NPT Vent Plug

01-260 (1:1.46) Gearmower 300 Centre Gearbox

Suits: GMT + old generation GMM/GML/GMS/GMR)

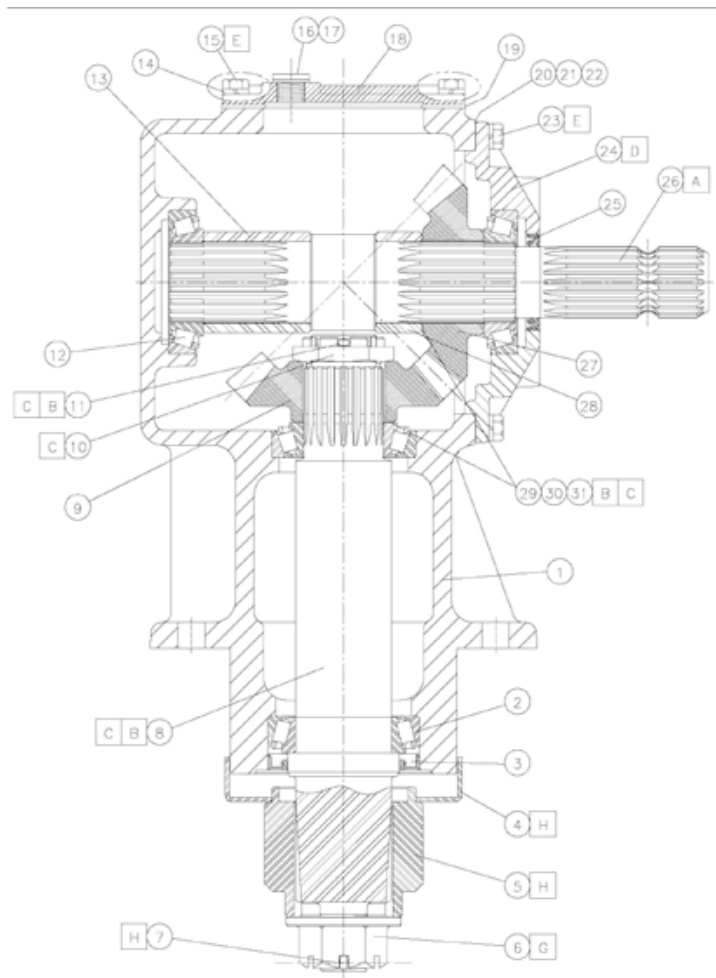


DET.	ITG NO	QTY	DESCRIPTION
1	18.056	1	Housing
2	7.001	28	dia 10 Lockwasher
3	6.003	24	M10 x 1.5 x 30 Cap Screw
4	20.021	2	Output Thru Cap
5	2.041	1	Output Thru Shaft
6	5.007	1	Oil Seal Thru Shaft
7	4.011	5	Bearing Assembly
8	8.006	VAR	Gasket (0.10)
9	8.007	VAR	Gasket (0.25)
11	5.03	1	Oil Seal Vertical Shaft
12	15.019	1	Blade Hub
13	2.402	1	Cotter Pin
14	11.029	1	M30 x 2 Flanged Nut
15	19.099	1	Seal Protector
16	4.084	1	Bearing Assembly
17	2.113	1	Vertical Output Shaft
19	17.003	VAR	Shim (0.40)

DET.	ITG NO	QTY	DESCRIPTION
21	3.008	2	13 Tooth Gear
22	11.012	1	Bearing Adjusting Nut
23	2.402	2	Cotter Pin
24*	3.009	1	19 Tooth Gear
25	10.001	1	Spacer
26	8.009	1	Inspection Cover Gasket
27	6.01	4	M10 x 1.5 x 20 Cap Screw
28	20.005	1	Inspection Cover
29	7.022	3	Sealing Washer
30	9.013	2	Level Plug
31	20.018	1	Input Hub
32	9.011	1	Vent Plug
33	05.012B	1	Oil Seal
34	2.039	1	Input Shaft

01-261 (1:1) Gearmower 300 Outer Gearbox

Suits: GMT + old generation GMM/GML/GMS/GMR)



DET.	ITG NO	QTY	DESCRIPTION
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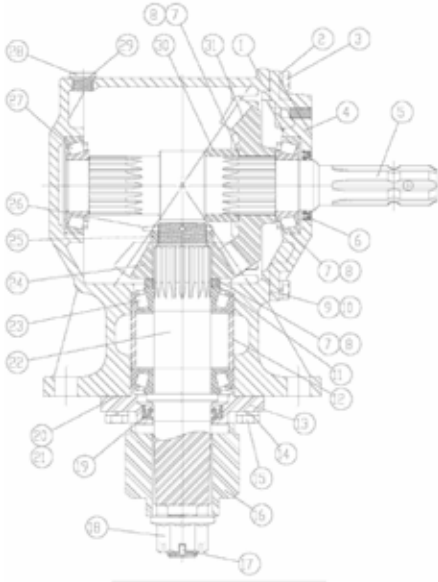
DET.	ITG NO	QTY	DESCRIPTION
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1	18.058	1	Housing
2	4.084	1	Bearing Assembly
3	5.030	1	Output Oil Seal
4	19.099	1	Seal Protector
5	15.019	1	Blade Hub
6	11.029	1	M30 x 2 Flange Nut
7	12.024	1	Cotter Pin
8	2.113	1	Vertical Output Shaft
9	3.095	2	17 Tooth Gear
10	11.012	1	Bearing Adjusting Nut
11	2.402	1	Cotter Pin
12	4.011	3	Bearing Assembly
13	10.049	1	Input Shaft Spacer
14	7.001	12	dia 10 Lockwasher
15	6.010	4	Hex Head Cap Screw
16	9.013	2	M18 x 1.5 Level Plug

17	7.022	3	Sealing Washer
18	20.005	1	Inspector Cover
19	8.006	1	Inspector Cover Gasket
20	8.006	VAR	Gasket (0.10)
21	8.007	VAR	Gasket (0.25)
23	6.003	8	Hex Head Cap Screw
24	20.019	1	Input Cap
25	5.007	1	Input Oil Seal
26	2.077	1	Input Shaft
27	10.001	1	Input Shaft Spacer
28	17.002	VAR	Shim (0.30)
30	17.003	VAR	Shim (0.50)
31	9.011	1	M18 x 1.5 Pressure Relief Valve

1.028 (1:1.46) M70/80 & XHD Outer GB

Suits: old generation **XHD**

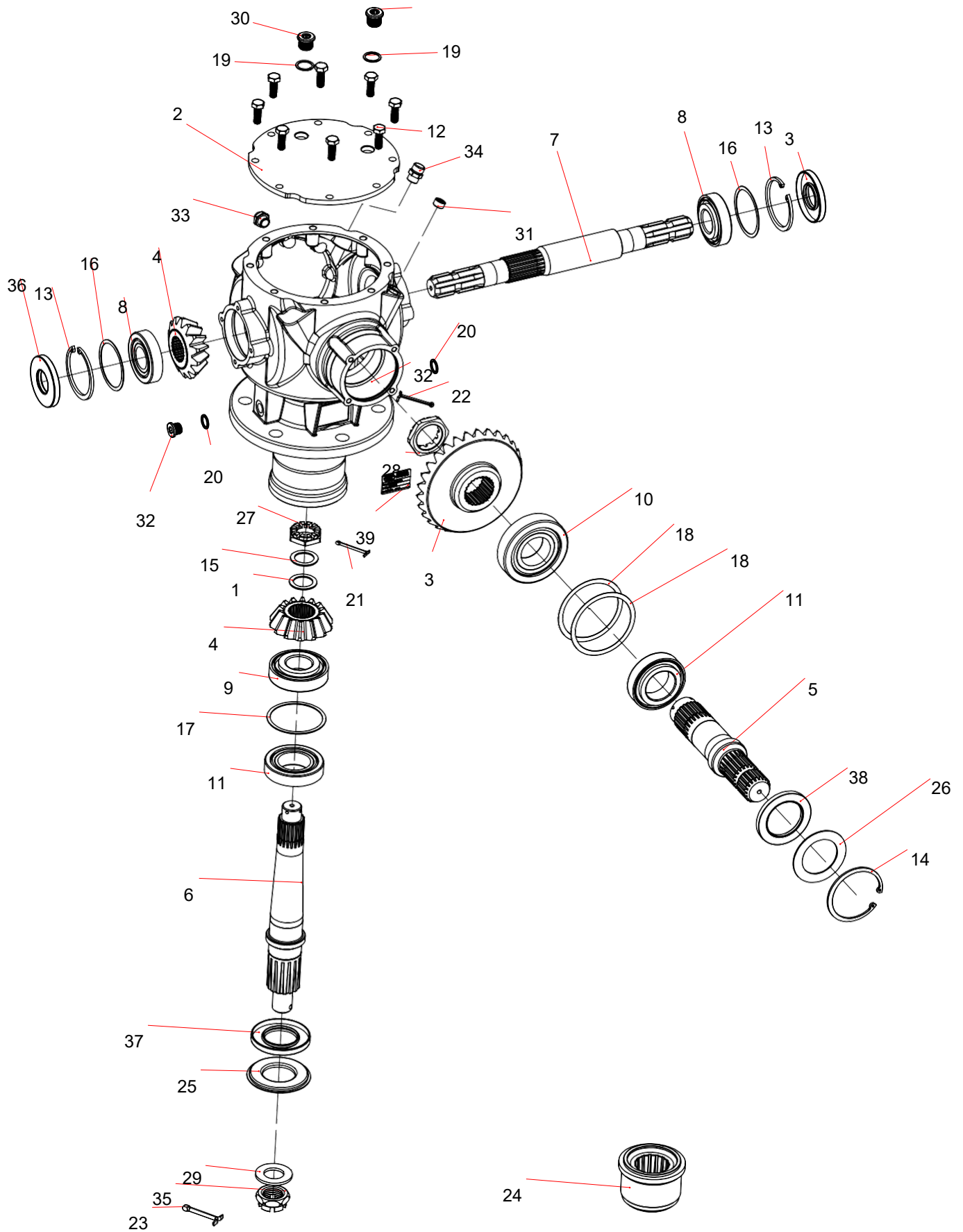


DET	PART NO	QTY	DESCRIPTION
1	18.001	1	Housing
2	7.001	8	dia 10 Lockwasher
3	6.003	8	M10 x 1.5 30 Hex Head Cap Screw
4	20.001	1	Input Cap
5	2.002	1	Input Shaft
6		1	Input Seal
7	17.001	VAR	Gear Adjusting Shim (0.30)
8	17.003	VAR	Gear Adjusting Shim (0.50)
9	8.006	VAR	Input Cap Gasket (0.10)
11	10.016	1	Gear Mounting Spacer
12	10.003	1	Output Spacer
13	20.002	1	Output Cap
14	7.002	4	dia 12 Lockwasher
15	FST	4	M12 x M1.75 x 38 heax head Cap Screw
16	15.002	1	2 1/2" Blade Hub
17	12.003	1	Cotter Pin
18	FST	1	1" UNF Hex Nyloc Nut
19	5.008	1	Output Oil Seal
20	8.001	VAR	Output Cap Gasket (0.10)
21	8.002	VAR	Output Cap Gasket (0.25)
22	2.004	1	Output Shaft
23	4.011	2	Bearing Assembly
24	3.008	1	13 Tooth Gear
25	11.012	1	Bearing Adjusting Nut
26	12.008	1	Cutter Pin
27	4.017	2	Bearing Assembly
28	9.013	2	M18 Drain Plug
29	7.022	3	Sealing Washer
30	10.001	1	Spacer
32	3.009	1	19 Tooth Gear
33	9.011	1	M18 Vent Plug

EURO GMM300 Centre Gearbox

ID	DESCRIPTION	Default/ Qty	CODE	ALTERNATE CODE
1	HOUSING	1	01.402LF000	Default
2	COVER PLATE	1	02.40200400	Default
3	WHEEL Z29 M6.13 R2.07	1	03.402207C0	Default
4	PINIONA8 Z14 M6.13 R2.07	2	04.402207P0	Default
5	INPUT SHAFT TYPE R	1	05.40200100	Default
6	OUTPUT SHAFT	1	05.40200102	Default
7	CROSS SHAFT	1	05.40200104	Default
8	BEARING 30307	2	06.30307	Default
9	BEARING 30308	1	06.30308	Default
10	BEARING 30310	1	06.30310	Default
11	BEARING 32210	2	06.32210	Default
12	EXAGONAL SCREW 10*30	8	08.10x30.ES	filettata
13	ELASTIC RING UNI 7438 - 80	2	11.AES.80.38	Default
14	ELASTIC RING UNI 7437 - 90	1	11.AES.90.37	Default
15	SHIM DIN 988 30*42*2	2	13.30x42x2	13.30*42*2
16	SHIM 69,3*79,7*1,0 ITT	2	13.69x80x1,0	13.69*80*1,0
17	SHIM 80,2*89,8*1,5	1	13.80x90x1,5 FE	13.80*90*1,5
18	SHIM 95,3*109,8*0,5 ITT	2	13.95x110x05	13.95*110*05
19	COPPER WASHER 1/2"	2	14.G.RAME 1-2"	Default
20	COPPER WASHER 3/8"	2	14.G.RAME 3-8"	Default
21	COTTER PIN UNI 1336-4x50	1	23.C.4X50 N	Piegata
22	COTTER PIN UNI 1336-4x63	1	23.C.4X63 N	Piegata
23	COTTER PIN 6,3X56 UNI1336	1	23.C.6,3X56 N	Default
24	TAPER BUSH	1	24.24600200	Default
25	PROTECTION COVER	1	24.24600300	Default
26	PROTECTION COVER 60*90*2	1	24.40200700	13.55*90*1
27	THREADED RING M30x1.5 12 cave CH46	1	30.G.30-12C-46	Default
28	THREADED RING M45x1.5 12 cave CH60	1	30.G.45-12C-60	Default
29	WASHER	1	33.ROS.30 N TE	Default
30	GALVANIZED PLUG 1/2" DIN 908	2	37.T.1-2-908 Z	Default
31	GALVANIZED PLUG 3/8" DIN 906 ZIN-LOC	1	37.T.3-8-906 ZL	Default
32	GALVANIZED PLUG 3/8" DIN 908	2	37.T.3-8-908 Z	Default
33	OIL LEVEL PLUG	1	37.TLVCIL.3-8 C	Default
34	BREATHER TAPER PLUG 3/8" BRASS	1	37.TSVCO.3-8-O	Default
35	NUT UNI 5594 M30x2 (pf)	1	43.D.CO.30-21 F	filettato
36	SEAL RING	2	07.35*80*10.TC	07.35*80*10.TC
37	SEAL RING	1	07.50*90*10.TC	07.50*90*10.TC
38	SEAL RING	1	07.60*90*8.TC	07.60*90*8.TC
39	METALLIC PLATE	1	METALLIC PLATE	Default

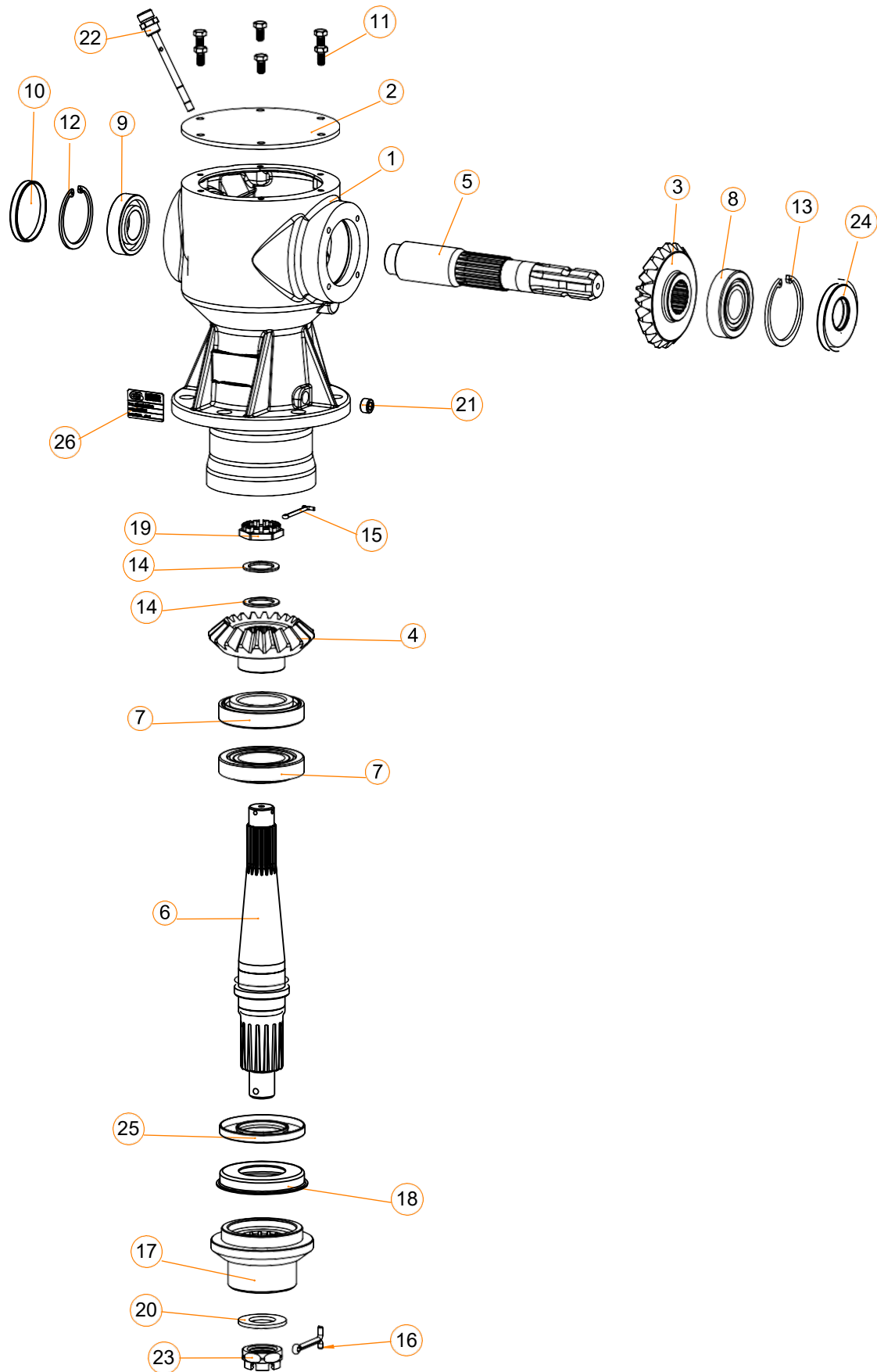
EURO GMM300 Centre Gearbox



EURO GMM300 Side Gearbox

ID	DESCRIPTION	Qtà	CODE	ALTERNATE CODE
1	METALLIC PLATE	1	M761V1,24WA2	Default
2	HOUSING	1	01.281LF000	Default
3	COVER PLATE	1	02.28100400	Default
4	GEAR Z20 M6 R1/1 MONT. A-C	1	03.28110010	Default
5	GEAR Z20 M6 R1/1 MONT. IN B	1	03.28110011	Default
6	INPUT SHAFT W DX	1	05.28100100	COLORE
7	OUTPUT SHAFT	1	05.28100101 (COLORE)	COLORE
8	BEARING 30211	2	06.30211	Default
9	BEARING 30307	1	06.30307	Default
10	BEARING 6207	1	06.6207	Default
11	SEAL RING	1	07.35*80*10.TC	07.35*80*10.TC
12	SEAL RING	1	07.55*100*10.TC	07.55*100*10.TC
13	SEALING COVER 72x9 RCA	1	07.72x9.RCA	07.72*9,RCA
14	HEXAGONAL SCREW 8x16	6	08.8x16.ES	filettata
15	ELASTIC RING UNI 7438 - 72	1	11.AES.72.38	Default
16	ELASTIC RING UNI 7438 - 80	1	11.AES.80.38	Default
17	SHIM DIN 988 30*42*2	2	13.30x42x2	13.30*42*2
18	Copiglia UNI 1336-4x50	1	23.C.4X50 N	Piegata
19	COTTER PIN 6,3X56 UNI1336	1	23.C.6,3X56 N	Default
20	OUTPUT BUSH	1	24.28100200	Default
21	PROTECTION COVER	1	24.28100300	Default
22	LOCKING RING M30x1.5 CH46	1	30.G.30-12C-46	Default
23	WASHER	1	33.ROS.30 N TE	Default
24	OIL PLUG. 3/8" DIN 906 ZIN-LOC	1	37.T.3-8-906 ZL	Default
25	LEVEL PLUG 3/8" LENGHT 100	1	37.TSCO.3-8.100	Default
26	NUT UNI 5594 M30x2 (pf)	1	43.D.CO.30-21 F	filettato

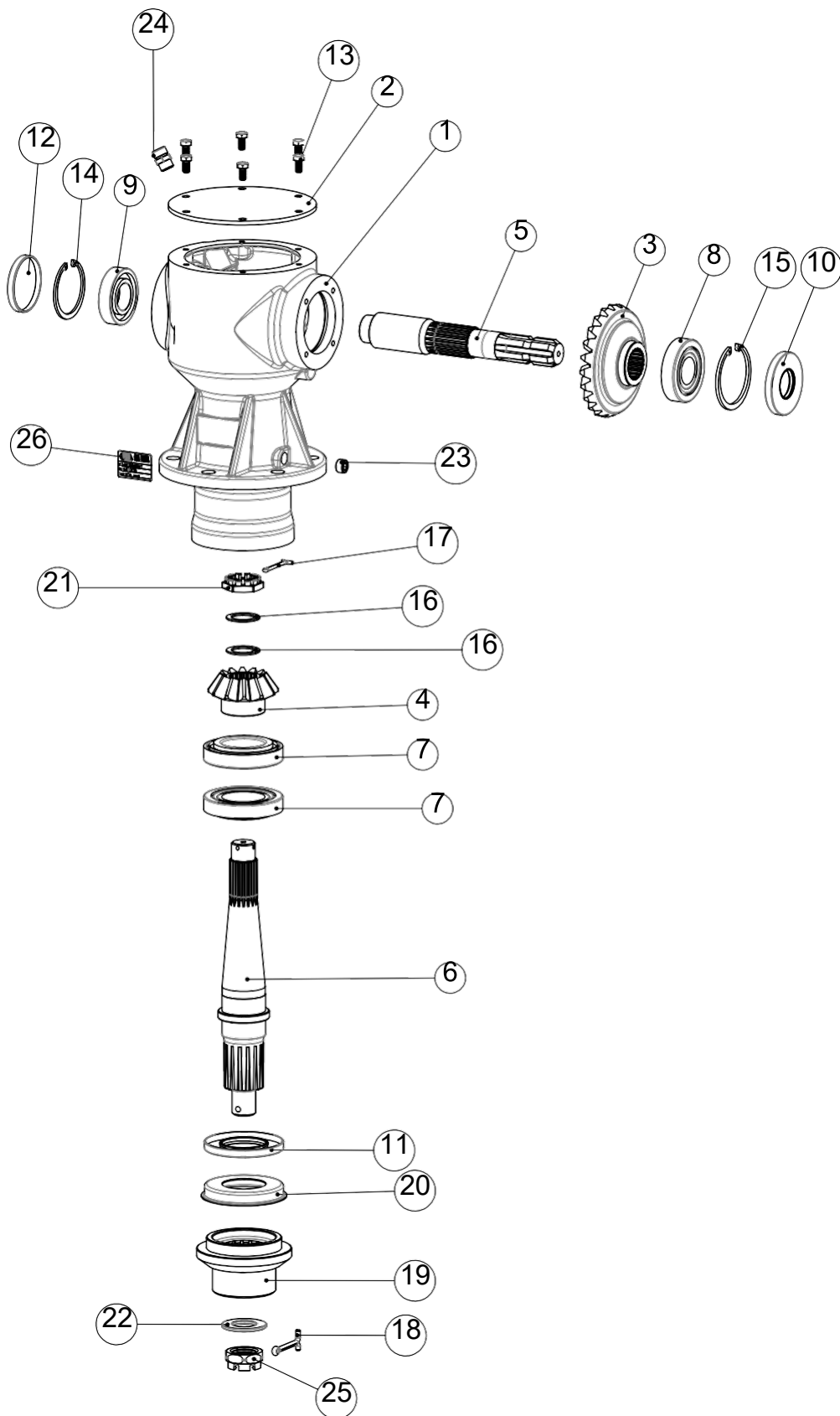
EURO GMM300 Side Gearbox



EURO GMM230/200/180/160 Side Gearbox

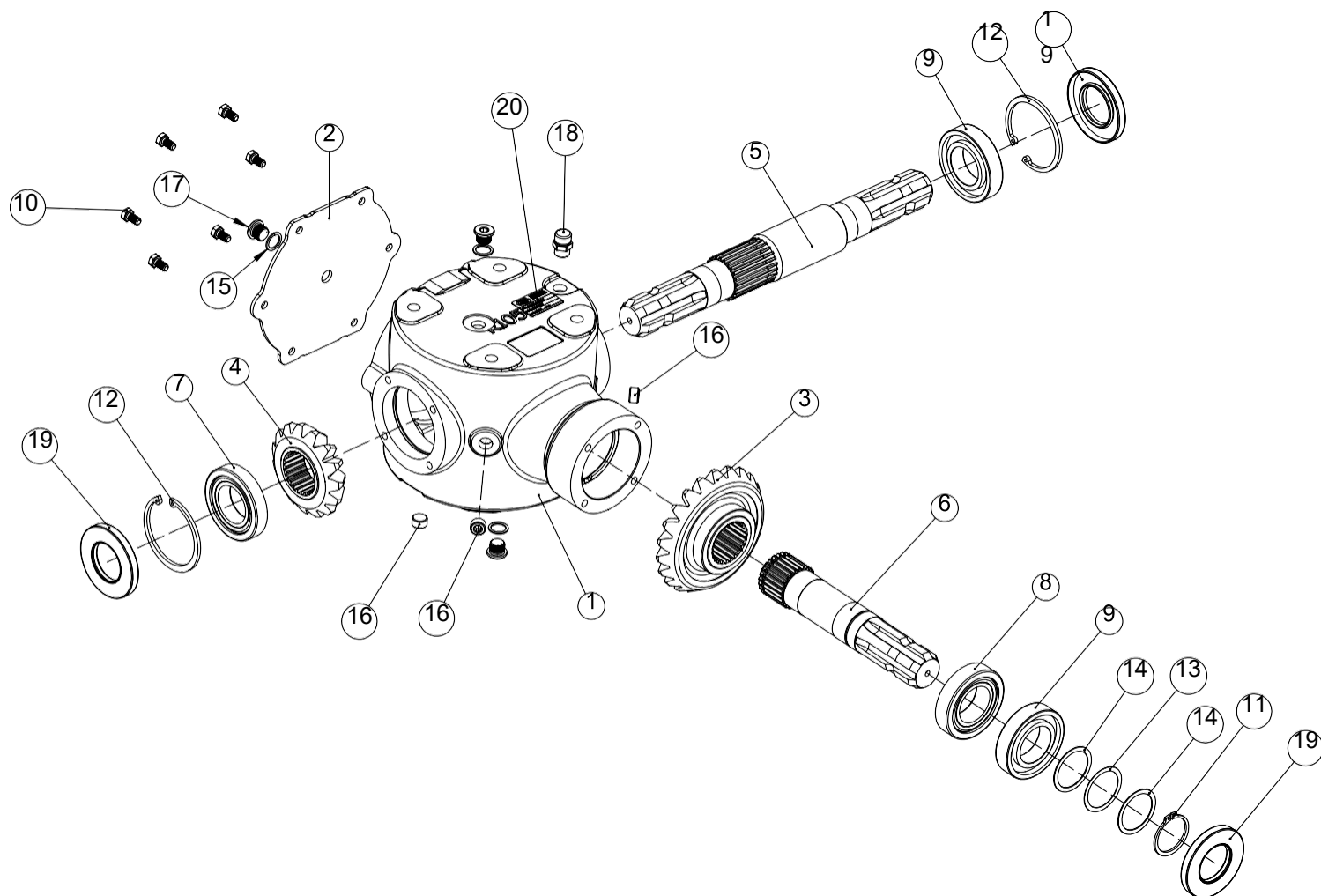
ID	DESCRIPTION	Qtà	CODE	ALTERNATE CODE
1	HOUSING	1	01.281LF000	Default
2	COVER PLATE	1	02.28100400	Default
3	WHEEL Z23 M6.3 R1/1.91	1	03.281191C0	Default
4	PINION Z12 M6.3 R1/1.91	1	04.281191P0	Default
5	INPUT SHAFT W DX	1	05.28100100	COLORE
6	OUTPUT SHAFT	1	05.28100101D4	COLORE
7	BEARING 30211	2	06.30211	Default
8	BEARING 30307	1	06.30307	Default
9	BEARING 6207	1	06.6207	Default
10	SEAL LRING	1	07.35*80*10.TC	07.35*80*10.TC
11	SEAL RING	1	07.55*100*10.TC	07.55*100*10.TC
12	SEAL PLUG 72x9 RCA	1	07.72x9.RCA	07.72*9.RCA
13	HEXAGONAL SCREW 8x16	6	08.8x16.ES	filettata
14	ELASTIC RING UNI 7438 - 72	1	11.AES.72.38	Default
15	ELASTIC RING UNI 7438 - 80	1	11.AES.80.38	Default
16	SHIM DIN 988 30*42*2	2	13.30x42x2	13.30*42*2
17	COTTER PIN UNI 1336-4x50	1	23.C.4X50 N	Piegata
18	COTTER PIN 6,3X56 UNI1336	1	23.C.6,3X56 N	Default
19	OUTPUT BUSH	1	24.28100200	Default
20	COVER PLATE M761V	1	24.28100300	Default
21	LOCKING RING M30x1.5 CH46	1	30.G.30-12C-46	Default
22	WASHER UNI 6592 - TE-30	1	33.ROS.30 N TE.	COLORE
23	OIL PLUG 3/8" DIN 906 ZIN-LOC	1	37.T.3-8-906 ZL	Default
24	BREATHER PLUG. 3/8" BRASS	1	37.TSVCO.3-8-O	Default
25	NUT UNI 5594 M30x2 (pf)	1	43.D.CO.30-21 F	filettato
26	METALLIC PLATE	1	D4 M761V1,91WA2	Default

EURO GMM230/200/180/160 Side Gearbox



EURO GMM230/200/180/160 Centre Gearbox

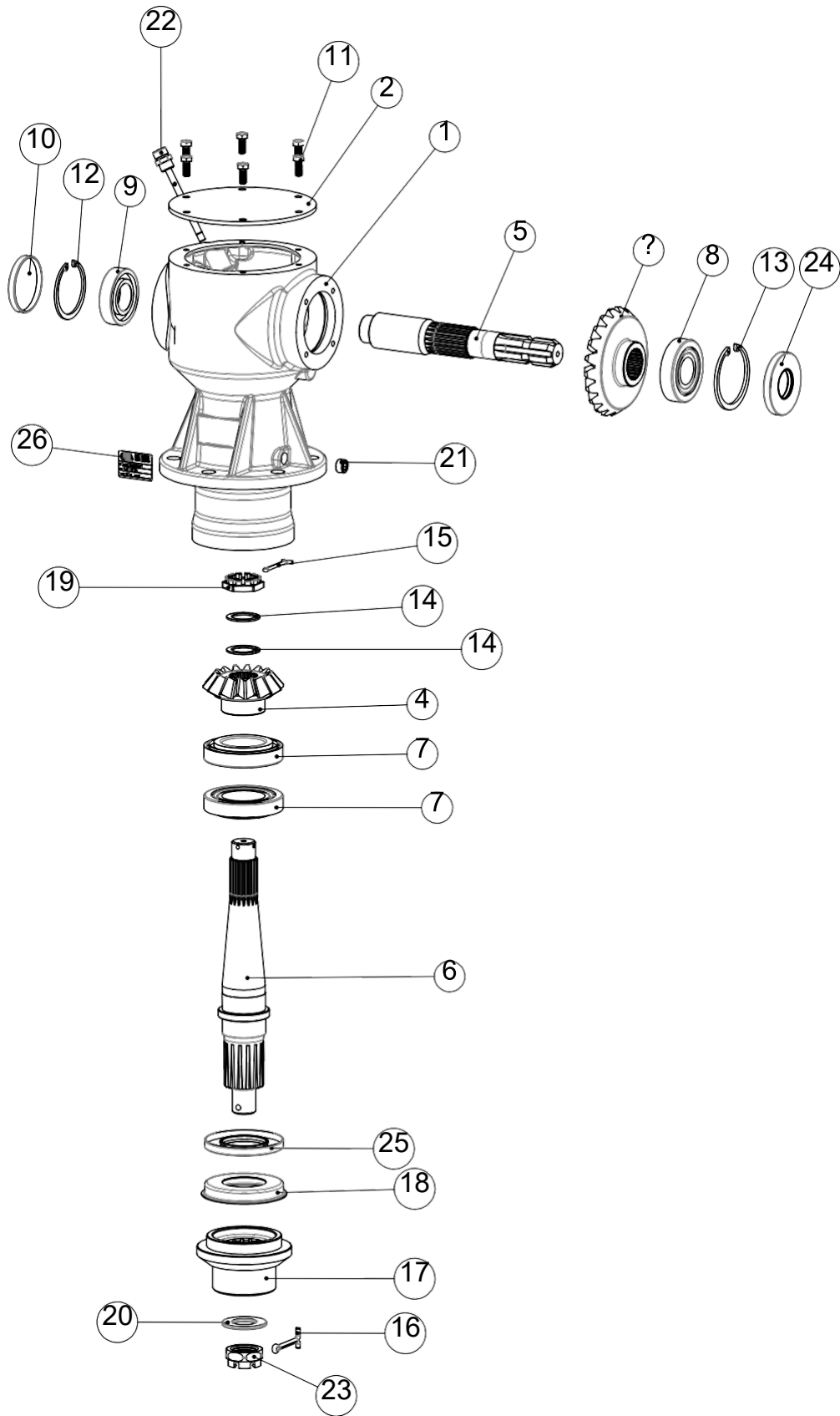
ID	DESCRIPTION	Qtà	CODE	ALTERNATE CODE
1	SCATOLA R105 FINITA	1	01.234LF000	Default
2	COPERCHIO R105 Fe37 FINITO	1	02.23400403	Default
3	CORONA Z22 M6.8 R1/1.46	1	03.234146C0	Default
4	PIGNONE Z15 M6.8 R1/1.46	1	04.234146P0	Default
5	ALBERO JJ	1	05.23400100	Default
6	ALBERO J B	1	05.23400101	Default
7	Cuscinetto a rulli conici ad una corona	1	06.30209	Default
8	Cuscinetto a rulli conici ad una corona	1	06.32209	Default
9	CUSCINETTO 6209	2	06.6209	Default
10	VITE 8x16 ESAGONALE	6	08.8x16.ES	filettata
11	Anello UNI 7436 - 45	1	11.AES.45.36	Default
12	Anello UNI 7438 - 85	2	11.AES.85.38	Default
13	RONDELLA DIN 988 45*55*0,5	1	13.45x55x0,5	13.45*55*0,5
14	RONDELLA DIN 988 45*55*1	2	13.45x55x1	13.45*55*1
15	GUARNIZIONE RAME TAPPO 3/8"	3	14.G.RAME 3-8"	Default
16	TAPPO OLIO BRUG. 3/8" DIN 906 ZIN-LOC	3	37.T.3-8-906 ZL	Default
17	TAPPO OLIO BRUG. 3/8" DIN 908 ZINCATO	3	37.T.3-8-908 Z	Default
18	TAPPO SFIATO CONICO VALV. 3/8" OTTONE	1	37.TSVCO.3-8-O	Default
19	ANELLO DI TENUTA, configuration:07.45*85*10.TC	3	ANELLO DI TENUTA (07.45*85*10.TC)	07.45*85*10.TC
20	TARGHETTA M1051,46JJJB5	1	TARGHETTA M1051,46JJJB5	Default



EURO GMM270 Side Gearbox

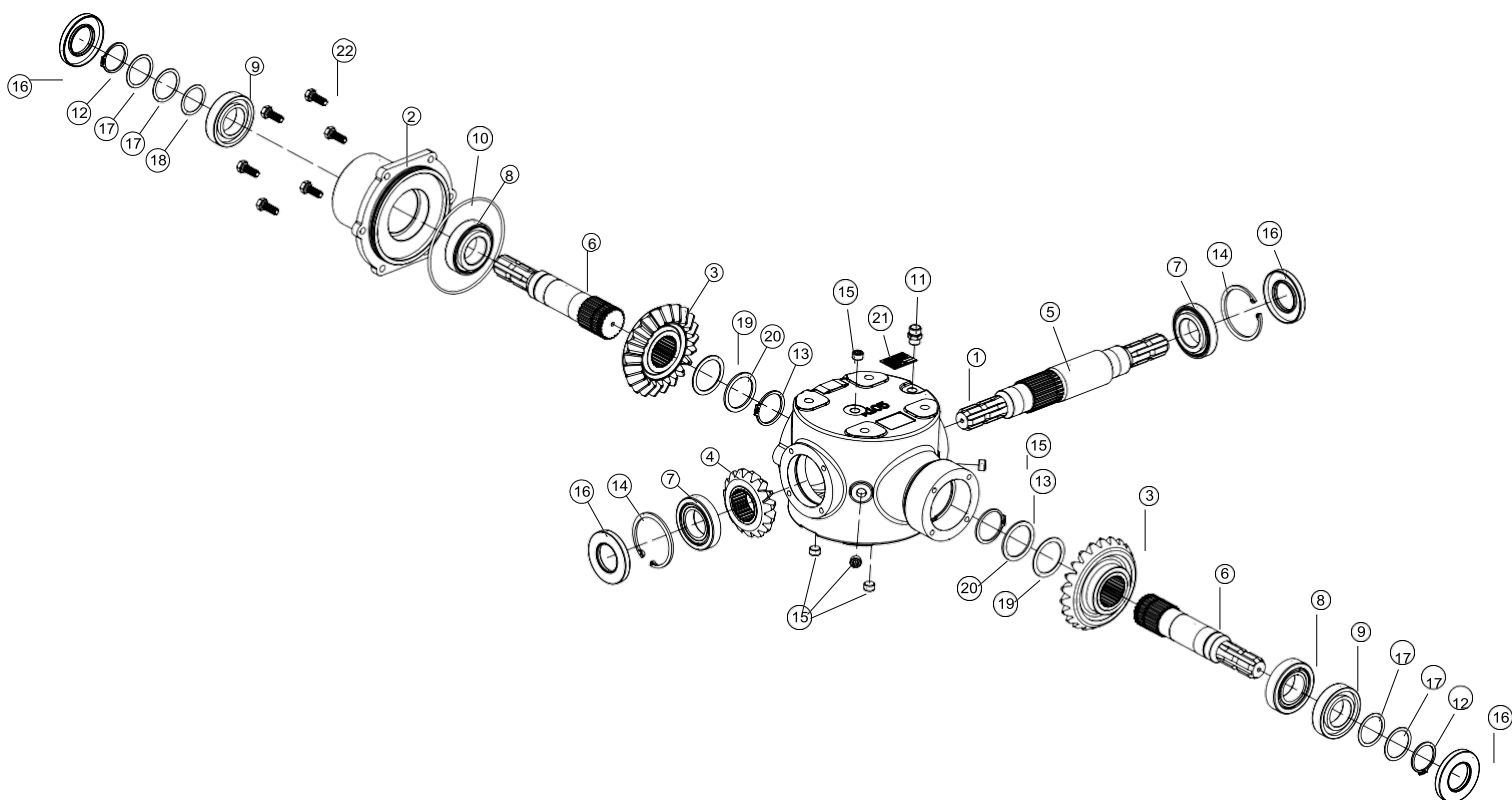
ID	DESCRIPTION	Qtà	CODE	ALTERNATE CODE
1	HOUSING	1	01.281LF000	Default
2	COVER PLATE	1	02.28100400	Default
3	WHEEL Z21 M6.5 R1/1,53	1	03.281153C0	Default
4	PINION Z14 M6.5 R1/1.53	1	04.281153P0	Default
5	INPUT SHAFT W DX	1	05.28100100	COLORE
6	OUTPUT SHAFT	1	05.28100101	COLORE
7	BEARING 30211	2	06.30211	Default
8	BEARING 30307	1	06.30307	Default
9	BEARING 6207	1	06.6207	Default
10	SEAL RING	1	07.35*80*10.TC	07.35*80*10.TC
11	SEAL RING	1	07.55*100*10.TC	07.55*100*10.TC
12	SEAL PLUG 72x9 RCA	1	07.72x9.RCA	07.72*9.RCA
13	HEXAGONAL SCREW ISO 4018 M8x20	6	08.8x20.ES	filettata
14	ELASTIC RING UNI 7438 - 72	1	11.AES.72.38	Default
15	ELASTIC RING UNI 7438 - 80	1	11.AES.80.38	Default
16	SHIM DIN 988 30*42*2	2	13.30x42x2	13.30*42*2
17	COTTER PIN UNI 1336-4x50	1	23.C.4X50 N	Piegata
18	COTTER PIN 6,3X56 UNI1336	1	23.C.6,3X56 N	Default
19	OUTPUT BUSH	1	24.28100200	Default
20	COVER PLATE	1	24.28100300	Default
21	LOCKING RING M30x1.5 CH46	1	30.G.30-12C-46	Default
22	WASHER UNI 6592 - TE-30	1	33.ROS.30 N TE.	COLORE
23	OIL PLUG 3/8" DIN 906 ZIN-LOC	1	37.T.3-8-906 ZL	Default
24	BREATHER TAPER PLUG 3/8" LENGHT 100	1	37.TSCO.3-8.100	Default
25	NUT UNI 5594 M30x2 (pf)	1	43.D.CO.30-21 F	filettato
26	METALLIC PLATE	1	M761V1,91WA2	Default

EURO GMM270 Side Gearbox



EURO 4-way Gearbox (540RPM)

ID	DESCRIPTION	Qtà	CODE	ALTERNATE CODE
1	SCATOLA R105 PER TORRETTA FINITA	1	01.234LF004	Default
2	TORRETTA FINITA	1	02.23400600	Default
3	CORONA Z22 M6.8 R1/1.46	2	03.234146C0	Default
4	PIGNONE Z15 M6.8 R1/1.46	1	04.234146P0	Default
5	ALBERO WW	1	05.23400104	Default
6	ALBERO W B-D	2	05.23400105	Default
7	Cuscinetto a rulli conici ad una corona	2	06.30209	Default
8	Cuscinetto a rulli conici ad una corona	2	06.32209	Default
9	Cuscinetto radiale a sfere ad una corona	2	06.6209	Default
10	07.OR.4600	1	07.OR.4600	Statico su albero
11	08.TAPPO SFIATO	1	08.TAPPO SFIATO	Default
12	Anello UNI 7436 - 45	2	11.AES.45.36	Default
13	Anello UNI 7436 - 52	2	11.AES.52.36	Default
14	Anello UNI 7438 - 85	2	11.AES.85.38	Default
15	TAPPO OLIO BRUG. 3/8" DIN 906 ZIN-LOC	5	37.T.3-8-906 ZL	Default
16	ANELLO DI TENUTA, configuration:07.45*85*10.TC	4	ANELLO DI TENUTA (07.45*85*10.TC)	07.45*85*10.TC
17	Rosetta di spessoramento	4	SPESSORE	13.45*55*1
18	Rosetta di spessoramento	1	SPESSORE	13.40*50*1
19	Rosetta di spessoramento	2	SPESSORE	13.52*65*2
20	Rosetta di spessoramento	2	SPESSORE	13.52*65*3
21	TARGHETTA M1051,46WWWWB10	1	TARGHETTA M1051,46WWWWB10	Default
22	VITE TESTA ESAG ISO 4018 M10X30	6	VITE TESTA ESAG ISO 4018 M10X30	filettata



NOTES

Lined area for notes, consisting of multiple horizontal lines.

NOTES

WARRANTY

The manufacturer's obligation under this warranty is limited to correcting without charge at its factory or by one of its authorised Dealers, with the manufacturer's approval, any parts thereof, within 12 or 24 months from date of purchase by the original user, and which upon examination shall disclose to the manufacturer's satisfaction to have been originally defective.

Correction of such defect by repair to, or supplying of replacements of defective parts, shall constitute fulfillment of all obligations to the original user: Manufacturer shall not be liable for loss, damage, or expense directly or indirectly from the use of its product or from any other cause. Defective parts must be returned freight paid each way by the purchaser to the manufacturer.

This warranty shall not apply to any parts which must be replaced because of normal wear, or which have been subject to misuse, negligence or accident or which have been repaired or altered outside of the manufacturer's factory, unless authorised by the manufacture. This warranty should not be construed as a free service period during the warranty period.

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