# OWNER'S MANUAL

# C-DIT 300 SPREADERS

**300 PIN DRIVE**

**300 CLUTCH DRIVE**

yelo™
MADE TO WORK

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**PARTS & SUPPORT**
For parts and service support, contact your authorised Yelo store or visit our website for store locations.
If you need further assistance, we are only a phone call or email away. Parts list included.

RGL.

# SAFETY PRECAUTIONS

# C-DIT 300

## AN IMPORTANT MESSAGE FOR OWNERS & OPERATORS OF Yelo ATTACHMENTS/ACCESSORIES

Be warned of the dangers of loading your ATV or other vehicle in excess of its carrying capacity.
It is important to understand that any loads or attachments whether fastened to or placed on a vehicle or ATV will alter the stability or handling characteristics of that vehicle or ATV.
Spreaders or other equipment must be filled only to a level where the gross weight is within the load limit of the ATV or other vehicle.

Safety is a primary concern in the design, manufacture, sale, and use of spreaders and other equipment. As manufacturers of spreaders and other equipment we want to confirm to you, our customers, our concern for safety. We take this opportunity to remind you about the simple, basic and common sense rules of safety when using spreaders and other equipment. Failure to follow these rules can result in severe injury or death to operators and bystanders.

It is essential that everyone involved in the assembly, operation, transport, maintenance and storage of this equipment be aware, concerned, prudent and properly trained in safety.

This also applies to equipment that is loaned or rented to someone who has not read the owner's manual and is not familiar with the operation of application equipment.

- NEVER EXCEED THE LOAD LIMIT CAPACITY OF THE ATV OR OTHER VEHICLE.
- ALL ATV AND TRAILED EQUIPMENT TYRES SHOULD BE INFLATED TO MANUFACTURERS RECOMMENDED OPERATING PRESSURES.
- PLEASE NOTE THAT FILLING THE SPREADERS OR OTHER EQUIPMENT COMPLETELY AND OR THE ATTACHMENT OF ADDITIONAL EQUIPMENT TO THE ATV MAY EXCEED THE ATV'S MAXIMUM LOAD CAPACITY AND IT IS NOT RECOMMENDED TO EXCEED MANUFACTURERS GUIDELINES
- CARGO SHOULD BE PROPERLY DISTRIBUTED AND SECURELY ATTACHED.
- REDUCE SPEED WHEN CARRYING CARGO OR PULLING A TRAILER OR TRAILED APPLICATION EQUIPMENT AND ALLOW GREATER DISTANCE FOR BRAKING.
- NEVER ALLOW ANYONE TO RIDE ON YOUR SPRAYER OR OTHER EQUIPMENT.
- ALWAYS FOLLOW THE INSTRUCTIONS IN THE OWNER'S VEHICLE MANUAL FOR CARRYING CARGO OR PULLING A TRAILER.
- PROPER MAINTENANCE IN LINE WITH MANUFACTURER'S RECOMMENDED MAINTENANCE PROCEDURES IS ESSENTIAL.
- BEFORE APPLYING CHEMICALS, READ THE LABEL OF THE CHEMICAL MANUFACTURER OR SUPPLIER FOR PERSONAL PROTECTIVE EQUIPMENT AND OPERATE AS RECOMMENDED.
- THE SAFETY OF ALL CHEMICALS USED IN AGRICULTURE IS UNDER THE JURISDICTION OF A GOVERNMENT AGENCY, IE N.Z. MINISTRY FOR THE ENVIRONMENT; USA ENVIRONMENTAL PROTECTION AGENCY. FURTHER LOCAL GOVERNMENT OR STATE LAWS MAY APPLY.

Before attempting to install or operate the equipment, read and understand the manual thoroughly. Failure to comply with this instruction constitutes improper use and will invalidate the warranty.

Throughout this manual there are highlighted text boxes containing warnings, cautions and notes.
**Warnings** are mandatory instructions to prevent serious injury or permanent damage.
**Cautions** are advisory instructions to ensure reliable operation of the equipment.
**Notes** are for convenient operation

- Do not overload your spreader. The maximum permissible payload is 250 Kg.
- Never use dirty product or product with stones or lumps.
- Ensure that your towing vehicle is adequate for the task. The maximum tare weight is 350 Kg.
- If using the spreader over hilly terrain the payload should be reduced to ensure that the spreader stability is not compromised.
- Never allow anyone to ride on the spreader.
- Keep the spreader in good condition. Cleanliness and maintenance are essential for safe and trouble free operation.
- Never leave product in the hopper or store the spreader without cleaning it.
- Always make sure that all moving parts are clear of debris or excess product before putting the unit away, failure to do so may cause problems with clutch mechanism

# YELO C-DIT 300 PIN DRIVE AND C-DIT 300 CLUTCH DRIVE SPEADER

## OWNER'S MANUAL

(Pt.No.2400-5600)

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## INTRODUCTION

RGL thanks you for your purchase of an advanced spreader from RGL. RGL is committed to providing you, the farmer, with quality applicating systems.

## DESCRIPTION

The Yelo C-DIT300 is a ground-driven spreader designed for application of pelleted fertilisers. It can also be used for application of other products such as grass seed and magnesium oxide. The uniquely designed 300-litre translucent non-corrosive polyethylene hopper is specially profiled for good product flow and ease of filling. The convenient flexible polypropylene cover is easy to remove, install and store if not required. A high-quality stainless steel agitator and shutter ensures even flow of product to the spinner. A unique spinner design ensures wide, even spread of product over 180 degrees (Urea). Also standard are mudguards, swivel tow-hitch and a fully shrouded polyethylene front deflector to further protect the operator from product being thrown off the spinner. The drive train uses high quality steel and a double sealed self-aligning bearing and heavy-duty gearbox for maximum durability. While seated, the operator has access to the control handle.

**Clutch Drive:** The single handle allows disengagement and engagement of the clutch and opening and shutting the setting of product feed rate all in one motion.

**Pin Drive:** The drive can be disconnected using a convenient pin clutch.

**Specifications: All Models Unless Stated**
(Specifications subject to change without notice)

| | |
|---|---|
| Dry Weight | 90 Kg |
| Dimensions | W1450mm, H1230mm, L1700mm |
| Capacity | 300 litre (250Kg Urea) |
| Drive | Ground driven (single wheel) |
| Wheels | 18x950x8 Chunky turf tyres |
| Tyre Pressure | 12 PSI |
| Clutch | Clutch Drive - Lever operated mechanical clutch<br>Pin Drive - Removable axle pin |
| Control | Adjustable stainless steel slide with index handle |
| Agitator | Mechanical arm, stainless steel |
| Spinner | Stainless steel with three-position adjustable vanes |
| Hopper | Non-corrosive polyethylene, ergonomically designed for ease of filling and inspection |
| Hopper Cover | Lightweight polypropylene fabric |
| Frame | Galvanised steel |
| Gearbox | Heavy duty with double sealed bearings |
| Gearbox oil | 400ml SAE30 |
| Axle Bearings | Sealed ball races |
| Clutch bearing | Self-lubricating Vesconite bearing |
| Axle grease | General Purpose |
| Application Rate | 140Kg per hectare @ 10 kph (nominal, Urea) |
| Spread width | 18M (nominal, Urea @ 15 Kph) |
| Towing speed | 15 Kph (Maximum recommended) |

| **Order Information** | | **NZ** |
|---|---|---|
| Yelo C-DIT 300 Clutch Drive Spreader | P/N | 3003 |
| Yel0 C-DIT 300 Pin Drive Spreader | P/N | 3005 |

# 1 WARRANTY AND LIABILITY

**Use of the equipment**

1.1 You must satisfy yourself as to the suitability of the equipment for your intended use(s) of the equipment.

**Your relationship with the retailer**

1.2 Where you consider you have a warranty claim (or any other claim) in relation to the equipment, you must contact the retailer who sold you the equipment, not RGL directly. The retailer is responsible for liaising with RGL in respect of your claim.

**Warranty**

1.3 RGL warrants to the original purchaser that the equipment is sold free from defects in materials and workmanship for a period of 12 months from date of first retail sale subject to the terms set out below.

1.4 RGL will at its option repair or replace the defective equipment (or part of the equipment) or notify the retailer of the equipment to refund the purchase price for such defective equipment to you in the event of a breach of this warranty, subject to the terms set out below.

**Liability**

1.5 Except for the warranty set out in clause 1.2 above, all warranties and representations (including those expressed or implied by law) in respect of the equipment or advice relating to the equipment provided to you by RGL are excluded to the extent permitted by law.

1.6 Notwithstanding anything else in this manual, RGL's maximum liability to you (in the event that such liability exists) in respect of any breach of warranty, any matter set out in this manual, or for defective equipment or advice relating to the equipment provided is limited at RGL's option to:

(a) repairing or replacing the equipment (or part of the equipment); or

(b) notifying the retailer of the equipment to refund the price for the equipment paid by you.

1.7 Notwithstanding anything else in this manual, in no event will RGL be liable, whether in contract, tort (including negligence) or otherwise:

(a) where you have altered or modified the equipment, misused or misapplied the equipment, or the equipment has been subjected to any unusual, excessive or non-recommended use, service or handling (including as set out in this manual);

(b) where the equipment is not transported, stored, handled or used in accordance with any directions given by RGL (or the retailer) to you (including as set out in this manual);

(c) where the equipment:

(i) has been subject to neglect, accident or hireage, or the damage arises from fair wear and tear, battery damage or chemical attack;

(ii) has been built to a customer's specifications; or

(iii) has been dismantled, repaired or serviced other than by an authorised service agent of RGL;

(d) for loss or damage caused by any factors beyond RGL's control; or

(e) for any loss of profit or revenue, or for any special, indirect, incidental or consequential damage, loss or injury of any kind suffered by you.

1.8 Where RGL elects to repair or replace the equipment it will use reasonable endeavours to do so as soon as practicable but will not be liable for any delay in doing so.

1.9 You agree that the transactions entered into between you and the retailer (and RGL) are for the purposes of trade and that, having regard to all relevant circumstances of the transactions, it is fair and reasonable that the provisions of the Consumer Guarantees Act 1993 (NZ) do not apply to those transactions to the fullest extent permitted by law.

## OPERATION

The product to be spread is placed in the hopper. When the spreader is towed forward, the right hand wheel drives the gearbox to turn the spinner in a clockwise direction.

**Clutch Drive:** The clutch system can be engaged or disengaged at up to 5KPH while the spreader is in motion.

When the control handle is in the disengage position (fully back) the clutch is disengaged and the shutter is closed. Pulling the handle forward (towards the operator) engages the clutch and rotates the shutter located at the bottom of the hopper to an open position.

**Pin Drive:** The drive from the wheel to the gearbox may be disengaged by removing a pin from the axle. The pin may then be stowed by inserting it into a holder on the side of the frame.

The size of the opening is set by a shutter stop lever, which locates into one of nine pre-set positions.

An extension of the spinner boss is connected to a stainless steel agitator arm inside the bottom of the hopper. The agitator ensures that product flows continuously out of the hopper to the spinning disk.

A delivery chute on the bottom of the hopper ensures that product is delivered to the correct spot of the disk so that the deflectors distribute the product over a wide angle behind and to each side of the spreader.

A fabric hopper cover with an elastic band sewn into the outer edge to grip the lip of the hopper can be fitted to prevent rain and debris from entering the hopper.

**WARNING**
To prevent premature failure or damage to the CDIT300 clutch system, do not engage or disengage the clutch at speeds in excess of 5 KPH.

## CALIBRATION

1. Ensure the control handle is fully back (clutch disengaged, shutter closed).

2. To calibrate your spreader, place a measured amount of product (10 Kg) in the hopper.

3. Set the Shutter Stop Lever to the position (1-9) indicated in the Calibration Guides below. Hole position 9 (shutter fully open) is denoted by two holes vertically one above the other.

4. **Clutch Drive:** Tow the spreader at the desired speed and pull the control handle forward to engage the clutch and open the shutter.

   **Pin Drive:** Ensure the drive pin is correctly inserted into the hole in the drive axle.
   Tow the spreader at the desired speed and pull the Shutter Control Handle forward.

5. When the product has been exhausted, measure the distance covered and band width in metres. It is recommended that this be done over an area where the product can be seen on the ground so that the spread width can be measured.

6. Check the application rate using the following formula:

$$\text{Rate (Kg/ha)} = \frac{\text{product applied (Kg)} \times 10{,}000}{\text{distance travelled (metres)} \times \text{spread width (metres)}}$$

7. Adjust either the Shutter Stop Lever or the speed of travel until the desired application rate is achieved.

**NOTE**
Because of variations in product characteristics, speedometer calibration and driving speed, the information in the calibration guide should be regarded as a starting point only. It is recommended that the spreader be calibrated before use.

Calibration Guide
(Average Speed 10 Kph)

| Product | Rate (Kg/ha) | Shutter Setting (Lever Position) | Nominal Spread (Metres) |
|---|---|---|---|
| Urea or DAP | 50 | 4 | 15 |
| Urea or DAP | 75 | 5 | 15 |
| Urea or DAP | 100 | 6 | 15 |
| Super phosphate | 100 | 7 | 12 |
| 30% Potassic Super | 100 | 8 | 10 |
| Rye Grass | 30 | 3 | 4 |

**Magnesium Oxide**
Magnesium Oxide powder is applied at a rate determined by the number of cows to be treated. When spreading this product, calculate the weight of powder to be applied and apply this amount using shutter setting 4 or 5. Because this product may set hard if left exposed to air, it must not be stored in the machine even for a short time. Load the spreader only with the amount required to be spread and clean **all** traces of product from the machine after use.

## OPERATING THE SPREADER - CLUTCH DRIVE

When the spreader has been correctly calibrated, the hopper may be filled to the required level and spreading commenced.

To reduce agitator damage to product and to ensure that product is not forced past the agitator shaft when towing the spreader to the area to be treated, the drive to the gearbox should be disconnected by ensuring the control lever is in the disengage position (fully back) .

**WARNING**

To prevent damage to the spreader do not tow the spreader at speeds in excess of 15 Kph.
To prevent damage to the mechanical clutch do not engage or disengage the clutch on the CDIT300 at speeds in excess of 5 KPH.

**CAUTION**

The double roll pins present in the clutch assembly are designed to shear if subject to excessive use (preventing greater damage to the rest of the unit). If you find these pins to continually break, engage the clutch at a slower speed.

To prevent inadvertent operation of the shutter while the spreader is in transit it is recommended that the Shutter Stop Lever be moved to Position 1 to lock the shutter closed.

To prevent the shutter from vibrating closed when the spreader is operated over rough ground, the Shutter Control Handle friction may be increased by tightening the adjustment nut at the bottom of the Handle.

## OPERATING THE SPREADER - PIN DRIVE

When the spreader has been correctly calibrated, the hopper may be filled to the required level and spreading commenced.

To reduce agitator damage to product and to ensure that product is not forced past the agitator shaft when towing the spreader to the area to be treated, the drive to the gearbox should be disconnected by removing the pin from the drive axle until spreading is to be commenced. The pin can be stowed by inserting it through a receptacle provided on the right hand side of the hopper frame.

**WARNING**

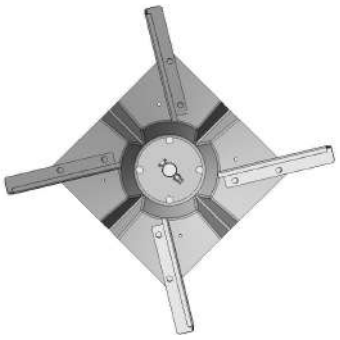
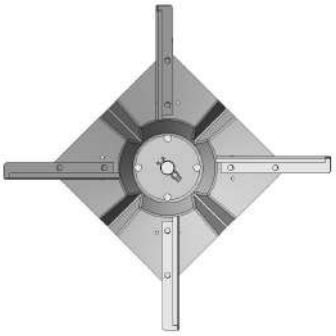
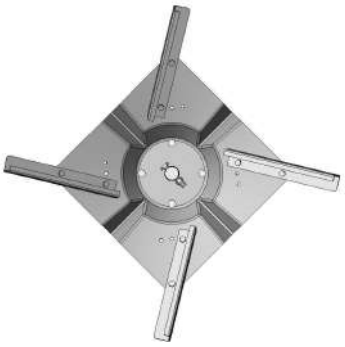
To prevent damage to the spreader do not tow the spreader at speeds in excess of 15 Kph.

To prevent inadvertent operation of the shutter while the spreader is in transit it is recommended that the Shutter Stop Lever be moved to Position 1 to lock the shutter closed.

To prevent the shutter from vibrating closed when the spreader is operated over rough ground, the Shutter Control Handle friction may be increased by tightening the adjustment nut at the bottom of the Handle.

**Adjusting the Spread Pattern**

The spreader has been set up for spreading pelletised fertiliser. When spreading lighter products or products with a high powder content it may be necessary to adjust the deflectors on the spinner to centralise the spread pattern. To shift the pattern to the left (facing forward) the inside end of the vanes should be moved anti-clockwise. To shift the pattern to the right (facing forward) the inside end of the vanes should be adjusted clockwise. These positions are highlighted in the diagram on the following page.

| | | |
|---|---|---|
|  |  |  |
| Shift to the left setup | Default setup | Shift to the right setup |

**WARNING**

To prevent damage to the spinner and shrouds, do not operate the spreader unless the screws are tight.

**Fitting the Rain Cover**

To fit the rain cover to the hopper, loop one corner of the cover over a corner of the hopper then stretch the cover over the opposite corner of the hopper so that the elastic edge holds it in place. Then stretch the third corner over the hopper rim followed by the last corner. Ensure that the cover is properly stretched over the hopper rim before moving off.

## MAINTENANCE

The following maintenance actions are mandatory for reliable use of the spreader.

**Before Use**
Check the tyre pressures and charge with air as required. The correct pressure is 12 psi. (80 Kpa)

**Clutch Drive:** Disengage the clutch by ensuring the control lever is fully back then turn the spinner by hand to ensure that it is free to turn without interference.

**Pin Drive:** Remove the gearbox drive pin and turn the spinner by hand to ensure that it is free to turn without interference.

Check the hopper to ensure that no debris is inside.

If the spreader has not been used for some time, grease the wheel bearing located in the pillow block mount near the drive wheel.

Check the gearbox for leaks. If leaks are detected it will be necessary to drain and replenish the gearbox with 400ml of SAE 30 oil.

**CAUTION**
To replenish the gearbox the spreader may be inverted to place the filler plug uppermost. However in doing so extreme care must be taken to prevent damage to the spinner and deflectors.

**After Each Use or Daily when in Use**
Remove all traces of product from the spreader by brushing or washing. Pay particular attention to areas where product has accumulated and built up. Remove by scraping if necessary taking care not to damage the surface finish of the spreader or its components.

If washing do not direct high-pressure water onto the gearbox, axle or wheel bearing seals.

After washing, apply grease to the grease nipple on the wheel bearing and apply water displacing fluid such as WD 40 or LPS3 to all metal parts.

Check for damaged or worn components and replace as required.

## HINTS

If the drive axle is removed from the axle housing for any reason care must be taken to ensure that both the axle scroll and bush are clean and free of debris before reassembly.

To remove the agitator from the hopper, remove the bolt, which attaches the agitator shaft to the spinner flange assembly then withdraw the agitator from inside the hopper.

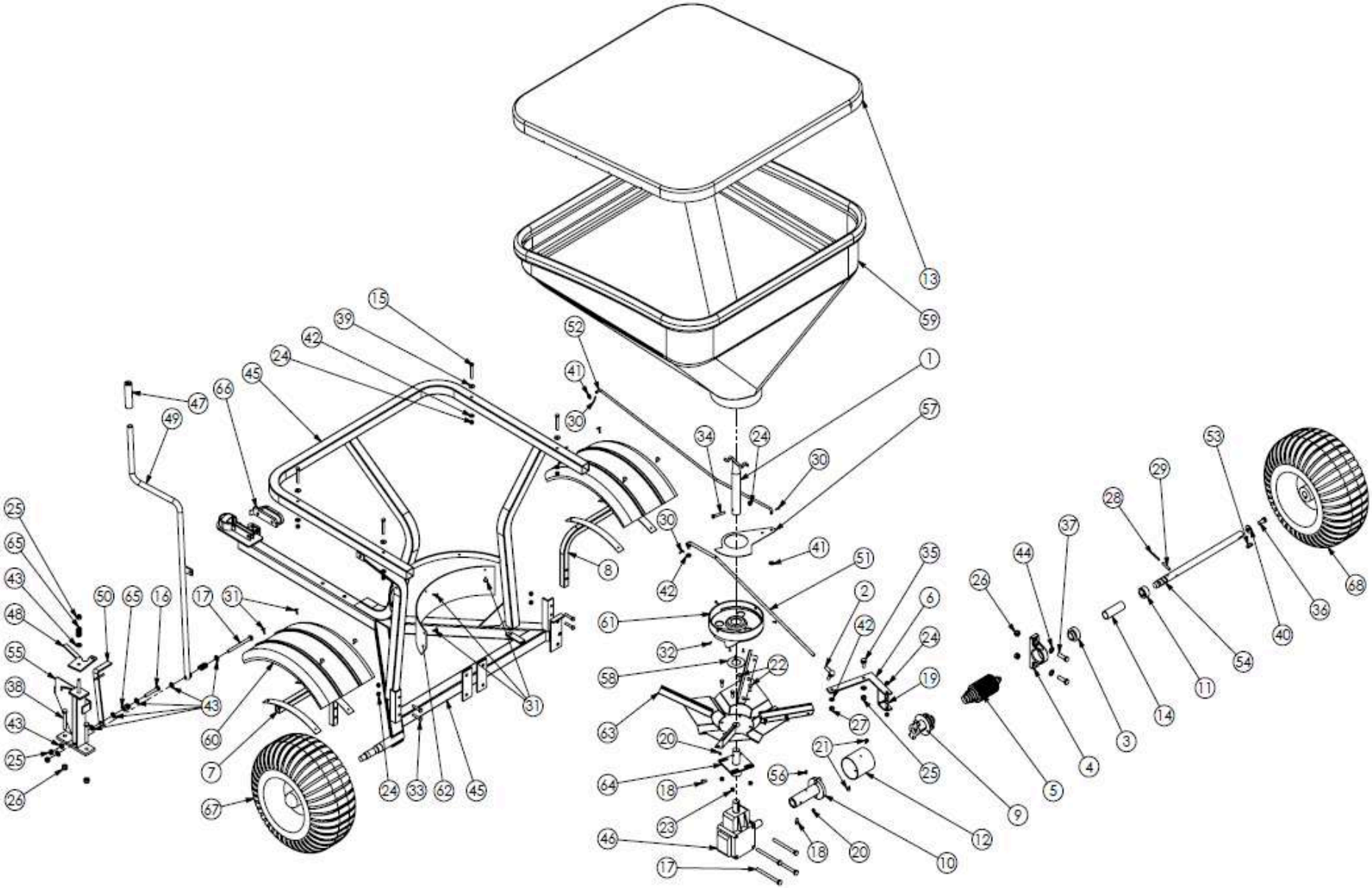
When ordering replacement parts always quote the Part Number of the required part.

**Clutch Drive:** The mechanical clutch engage/disengage bolt, which operates the clutch head is intended as a replacement item. If excessive wear is noticed, remove the bolt and replace with part number # 2890-0816.

**Pin Drive:** When greasing the pin clutch bearing in the axle assembly, leave the pin in place. This will assist the grease to fully enter the scroll in the axle and prevent the axle from being displaced if the bearing housing should be over pressurised with grease.

The clutch mechanism in the axle assembly utilises a steel shaft and with self-lubricating plastic bushes on the moving part of the clutch. This arrangement does not require greasing and doing so may attract unwanted particulate into the mechanism.

## PARTS DIAGRAM - CLUTCH DRIVE

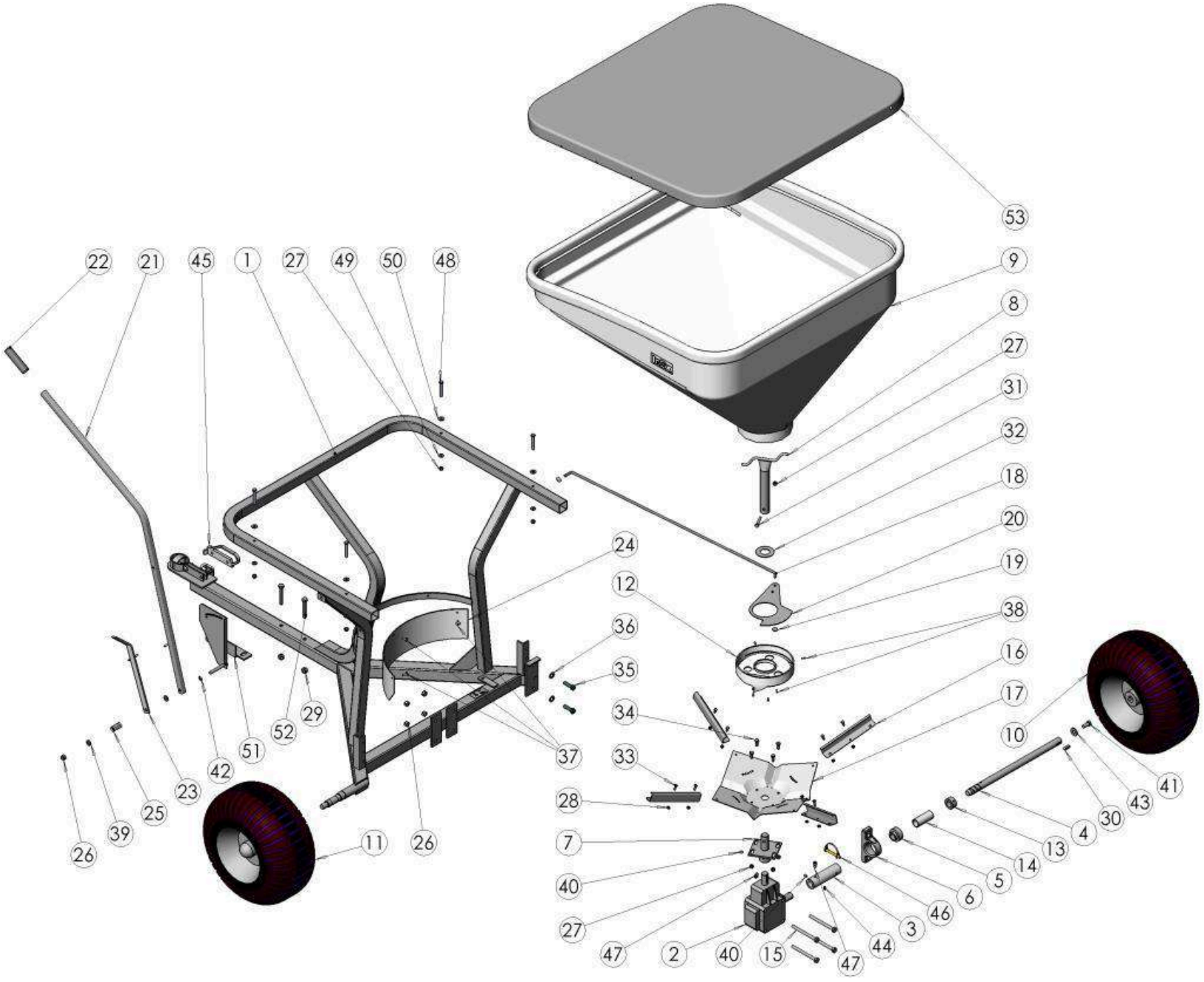


## PARTS LIST - CLUTCH DRIVE

| Item No. | QTY | Part NO | Description |
|---|---|---|---|
| 1 | 1 | 1036-8240 | Agitator-Spreader-CDIT300/400-In-Ex300/400-SS |
| 2 | 1 | 1110-2310 | Ball-End-Internal Thread-M10-Zinc Plated |
| 3 | 1 | 1140-1200 | Bearing-Ball-Pillow Block-Drive Axle-Spreaders |
| 4 | 1 | 1140-4000 | Bearing-Housing-Pillow Block-Drive Axle-Spreaders |
| 5 | 1 | 1280-1600 | Boot-Clutch-Convoluted-CDIT300/400-Rubber |
| 6 | 1 | 1300-3010 | Bracket-Clutch Engager-CDIT300/400GT-ZP |
| 7 | 1 | 1300-6800 | Bracket-Mudguard-CDIT300/400/MM165-LH-GL |
| 8 | 1 | 1300-6801 | Bracket-Mudguard-CDIT300/400/MM165-RH-GL |
| 9 | 1 | 2100-2300 | Clutch-Engager-CDIT400-ZP |
| 10 | 1 | 2100-6000 | Clutch-Pin Engager-CDIT300/400-ZP |
| 11 | 1 | 2150-0025 | Collar-Shaft-ID25-ZP |
| 12 | 1 | 2250-1600 | Cover-Clutch-CDIT300/400-OD 90x92 Long-Grey-PVC |
| 13 | 1 | 2250-4100 | Cover-Hopper-Silver Fabric-Spreader CDIT300 |
| 14 | 1 | 2250-7920 | Cover-Shaft-Drive Axle-90mm Long-CDIT300GT-PVC |
| 15 | 4 | 2810-0860 | Fastener-Bolt&Nut-Hex-304 Grade-M8x60-Stainless |
| 16 | 1 | 2840-1065 | Fastener-Bolt&Nut-Hex-8.8 Grade-M10x65-ZP |
| 17 | 5 | 2840-1120 | Fastener-Bolt&Nut-Hex-8.8 Grade-M10x120-ZP |
| 18 | 2 | 2890-0812 | Fastener-Cap Head-Allen-Screw-12.9 Grade-M8x12-Black |
| 19 | 2 | 2890-0816 | Fastener-Cap Head-Allen-Screw-12.9 Grade-M8x16-Black |
| 20 | 2 | 3010-0810 | Fastener-Grub Screw-Socket Head-M8x10-Stainless |
| 21 | 2 | 3070-0512 | Fastener-Machine-Screw-CSK-M5x12-Phillips-Stainless |
| 22 | 4 | 3075-0820 | Fastener-Set-Screw-Hex-304 Grade-M8x20-Stainless |
| 23 | 4 | 3130-0108 | Fastener-Nut-Nyloc-M8-Stainless Steel |
| 24 | 11 | 3170-0008 | Fastener-Nut-Nyloc-M8-ZP |
| 25 | 8 | 3170-0010 | Fastener-Nut-Nyloc-M10-ZP |
| 26 | 4 | 3170-0012 | Fastener-Nut-Nyloc-M12-ZP |
| 27 | 1 | 3180-0010 | Fastener-Nut-Plain-M10-ZP |
| 28 | 1 | 3210-0540 | Fastener-Pin-Roll-M5x40-Black |
| 29 | 1 | 3210-0840 | Fastener-Pin-Roll-M8x40-BK |
| 30 | 3 | 3220-0320 | Fastener-Pin-Split-M3.2x20-ZP |
| 31 | 11 | 3240-0018 | Fastener-Rivet-Blind-Truss Head-3/16x18mm-Aluminium |
| 32 | 6 | 3270-8012 | Fastener-Self Tap-Screw-CSK-8Gx1/2"-Pozi-Stainless |
| 33 | 4 | 3290-0840 | Fastener-Set Screw-Hex-8.8 Grade-M8x40-ZP |
| 34 | 1 | 3290-0850 | Fastener-Set Screw-Hex-8.8 Grade-M8x50-ZP |
| 35 | 1 | 3290-1025 | Fastener-Set Screw-Hex-8.8 Grade-M10x25-ZP |
| 36 | 1 | 3290-1225 | Fastener-Set Screw-Hex-8.8 Grade-M12x25-ZP |
| 37 | 2 | 3290-1240 | Fastener-Set Screw-Hex-8.8 Grade-M12x40-ZP |
| 38 | 2 | 3290-1275 | Fastener-Set Screw-Hex-8.8 Grade-M12x75-ZP |
| 39 | 4 | 3310-2809 | Fastener-Washer-Flat-M8x22x1.5-Grade 316-Stainless |
| 40 | 1 | 3310-5012 | Fastener-Washer-Flat-Heavy-M12x32x3-Galv |
| 41 | 2 | 3310-6008 | Fastener-Washer-Flat-M8-ZP |
| 42 | 6 | 3310-6008 | Fastener-Washer-Flat-M8-ZP |
| 43 | 10 | 3310-6010 | Fastener-Washer-Flat-M10-ZP |
| 44 | 2 | 3310-6012 | Fastener-Washer-Flat-M12-ZP |

| | | | |
|---|---|---|---|
| 45 | 1 | 3500-5600 | Frame-Spreader-CDIT300GT-GL |
| 46 | 1 | 3800-1000 | Gearbox-Ferroni-RV10-Ratio 1 to 2.78 |
| 47 | 1 | 3865-3800 | Grip-Handle-7/8"-PVC-Black-Plastic |
| 48 | 1 | 3990-3900 | Guide-Handle-CDIT300/400GT-ZP |
| 49 | 1 | 4050-1500 | Handle-CDIT300/400GT-ZP |
| 50 | 1 | 4050-4250 | Handle-Indicator-CDIT400GT-ZP |
| 51 | 1 | 5050-1600 | Linkage-Clutch-CDIT300/400GT-ZP |
| 52 | 1 | 5050-7960 | Linkage-Shutter-CDIT300GT-ZP |
| 53 | 1 | 5200-6300 | Machined-Key-8x8-Ground Drive Spreaders |
| 54 | 1 | 5200-6500 | Machined-Shaft-Axle-CDIT300GT-ZP |
| 55 | 1 | 5245-3900 | Mount-Handle-CDIT300/400GT-ZP |
| 56 | 1 | 5270-0003 | Nipple-Grease-Straight-Short-M6-ZP |
| 57 | 1 | 6500-7770 | Profiled-Shutter-CDIT300/400 |
| 58 | 1 | 6500-9000 | Profiled-Washer-Spinner Shaft-34.9x67x2mm-Stainless 304 |
| 59 | 1 | 7500-2140 | Rota-Hopper-Spreader-CDIT300 -Yellow-MDPE |
| 60 | 2 | 7500-2590 | Rota-Mudguard-MDPE-1/4 Circle |
| 61 | 1 | 7500-2830 | Rota-Spout-Spreader-CDIT400GT-Yellow-MDPE |
| 62 | 1 | 7970-8200 | Shroud-Spreader CDIT300GT-MDPE-Yellow |
| 63 | 1 | 8200-1010 | Spinner Assembly-Spreader-CDIT300/400-STAINLESS |
| 64 | 1 | 8200-5200 | Spinner-Mount-CDIT300/400/INEX300-ZP |
| 65 | 3 | 8250-1800 | Spring-Compression-Crinkle Plate-ZP |
| 66 | 1 | 8800-3800 | Tow-Coupling-Handle-Double Ended-1 78 x 50mm-ZP |
| 67 | 1 | 9200-8700 | Wheel-Turf-Bearing-18x950x8-4 Ply |
| 68 | 1 | 9200-8900 | Wheel-Turf-Keyed-18x950x8-4 Ply |

## PARTS DIAGRAM - PIN DRIVE



**PARTS LIST - PIN DRIVE**

| Item No. | QTY. | Part No. | Description |
|---|---|---|---|
| 1 | 1 | 3500-5600 | Frame-Spreader-CDIT300GT-GL |
| 2 | 1 | 3800-1000 | Gearbox-Ferroni-RV10-Ratio 1 to 2.78 |
| 3 | 1 | 5200-5200 | Machined-Housing-Drive Axle-INEX300/INEX130-ZP |
| 4 | 1 | 5200-6500 | Machined-Shaft-Axle-CDIT300GT-ZP |
| 5 | 1 | 1140-1200 | Bearing-Ball-Pillow Block-Drive Axle-Spreaders |
| 6 | 1 | 1140-4000 | Bearing-Housing-Pillow Block-Drive Axle-Spreaders |
| 7 | 1 | 8200-5200 | Spinner-Mount-CDIT300/400/INEX300-ZP |
| 8 | 1 | 1036-8240 | Agitator-Spreader-CDIT300/400-In-Ex300/400-SS |
| 9 | 1 | 7500-2120 | Rota-Hopper-Spreader 300 -MDPE-Yelo |
| 10 | 1 | 9200-8900 | Wheel-Turf-Keyed-18x950x8-4 Ply |
| 11 | 1 | 9200-8700 | Wheel-Turf-Bearing-18x950x8-4 Ply |
| 12 | 1 | 7500-2795 | Rota-Spout-Spreader-165/300/400-Natural-MDPE |
| 13 | 1 | 2150-0025 | Collar-Shaft-ID25-ZP |
| 14 | 1 | 2250-7940 | Cover-Shaft-Drive Axle-77mm Long-Spreader 300-PVC |
| 15 | 4 | 2840-1120 | Fastener-Bolt&Nut-Hex-8.8 Grade-M10x120-ZP |
| 16 | 4 | 6500-8950 | Profiled-Vane-Spinner-Spreader-CDIT300/400-Galv |
| 17 | 1 | 8200-2100 | Spinner-Disc-CDIT300/400/1300 |
| 18 | 1 | 5050-7940 | Linkage-Shutter-In-Ex Spreader 300-ZP |
| 19 | 2 | 3230-0008 | Fastener-Retainer Cap-Starlock-8mm-Nickle Plated |
| 20 | 1 | 6500-7770 | Profiled-Shutter-CDIT300/400 |
| 21 | 1 | 4050-1600 | Handle-In-Ex Spreader 300-ZP |
| 22 | 1 | 3865-3800 | Grip-Handle-7/8"-PVC-Black-Plastic |
| 23 | 1 | 4050-4200 | Handle-Indicator-In-Ex 300-ZP |
| 24 | 1 | 7970-8100 | Shroud-Spreader 300-MDPE-Yelo |
| 25 | 1 | 8250-1800 | Spring-Compression-Crinkle Plate-ZP |
| 26 | 5 | 3170-0010 | Fastener-Nut-Nyloc-M10-ZP |
| 27 | 9 | 3170-0008 | Fastener-Nut-Nyloc-M8-ZP |
| 28 | 8 | 3170-0006 | Fastener-Nut-Nyloc-M6-ZP |
| 29 | 4 | 3170-0012 | Fastener-Nut-Nyloc-M12-ZP |
| 30 | 1 | 5200-6300 | Machined-Key-8x8-Ground Drive Spreaders |
| 31 | 1 | 3290-0850 | Fastener-Set Screw-Hex-8.8 Grade-M8x50-ZP |
| 32 | 1 | 6500-9000 | Profiled-Washer-Spinner Shaft-34.9x67x2mm-Stainless 304 |
| 33 | 8 | 3290-0616 | Fastener-Set Screw-Hex-8.8 Grade-M6x16-ZP |
| 34 | 4 | 3290-0820 | Fastener-Set Screw-Hex-8.8 Grade-M8x20-ZP |
| 35 | 2 | 3290-1240 | Fastener-Set Screw-Hex-8.8 Grade-M12x40-ZP |
| 36 | 2 | 3310-6012 | Fastener-Washer-Flat-M12-ZP |
| 37 | 3 | 3240-0018 | Fastener-Rivet-Blind-Truss Head-3/16x18mm-Aluminium |
| 38 | 6 | 3270-8012 | Fastener-Self Tap-Screw-CSK-8Gx1/2"-Pozi-Stainless |
| 39 | 2 | 3310-6010 | Fastener-Washer-Flat-M10-ZP |
| 40 | 2 | 3010-0810 | Fastener-Grub Screw-Socket Head-M8x10-Stainless |
| 41 | 1 | 3290-1225 | Fastener-Set Screw-Hex-8.8 Grade-M12x25-ZP |
| 42 | 1 | 3320-7010 | Fastener-Washer-Shakeproof-External Star-M10-ZP |
| 43 | 1 | 3310-5012 | Fastener-Washer-Flat-Heavy-M12x32x3-Galv |
| 44 | 1 | 5270-0003 | Nipple-Grease-Straight-Short-M6-ZP |
| 45 | 1 | 8800-3800 | Tow-Coupling-Handle-Double Ended-1 78 x 50mm-ZP |

| | | | |
|---|---|---|---|
| 46 | 1 | 6100-4860 | Pin-Locking-8x57mm-ZP |
| 47 | 2 | 2890-0812 | Fastener-Cap Head-Allen-Screw-12.9 Grade-M8x12-Black |
| 48 | 4 | 2810-0860 | Fastener-Bolt&Nut-Hex-304 Grade-M8x60-Stainless |
| 49 | 4 | 3310-6008 | Fastener-Washer-Flat-M8-ZP |
| 50 | 4 | 3310-2809 | Fastener-Washer-Flat-M8x22x1.5-Grade 316-Stainless |
| 51 | 1 | 5245-3905 | Mount-Handle-Spreader 300-ZP |
| 52 | 2 | 3290-1275 | Fastener-Set Screw-Hex-8.8 Grade-M12x75-ZP |
| 53 | 1 | 2250-4100 | Cover-Hopper-Silver Fabric-Spreader CDIT300 |