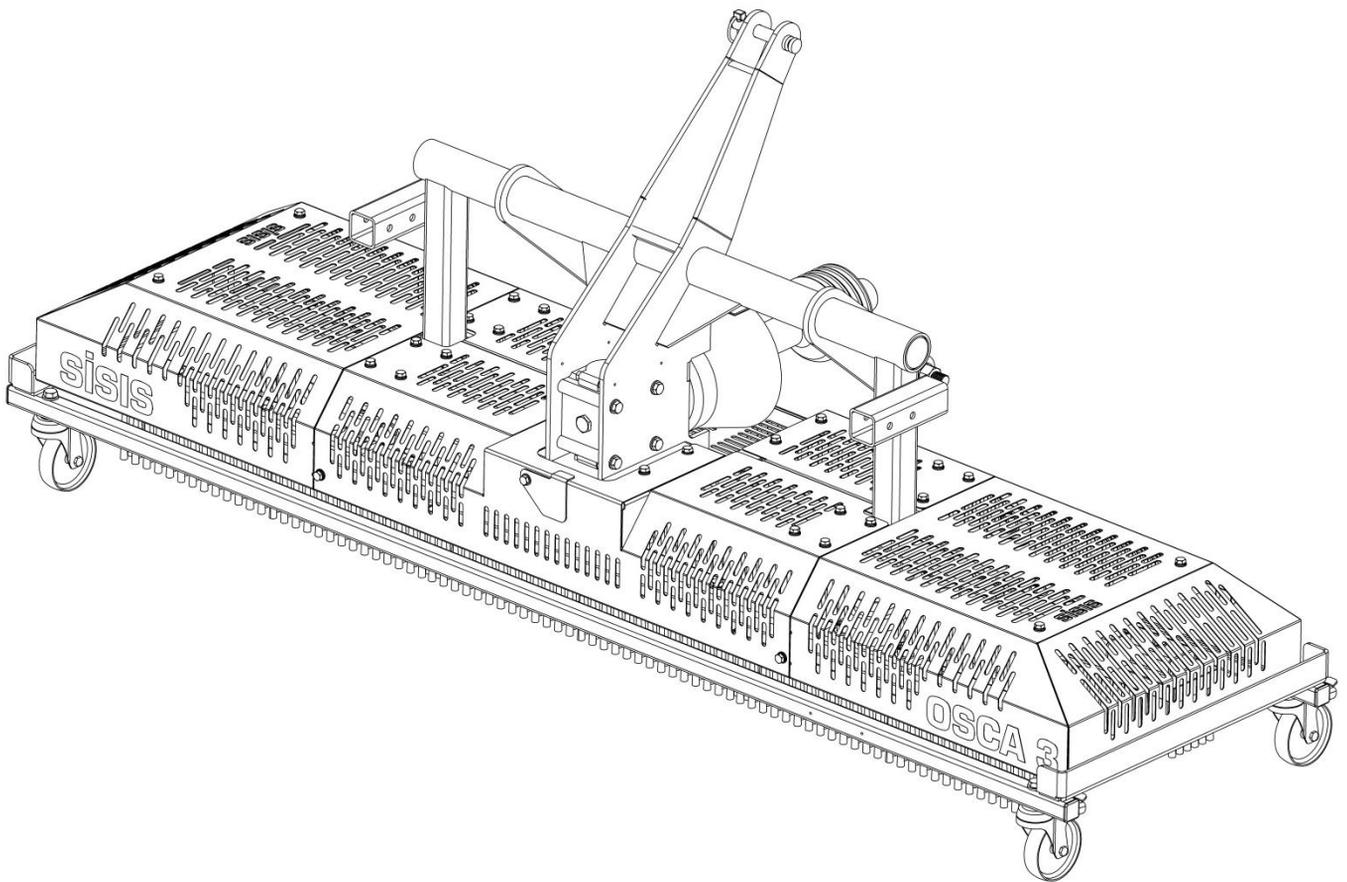


# sisis®

## OSCA 3 INSTRUCTION MANUAL





**NOTE:-**

*MAKE A NOTE OF THE SERIAL NUMBER OF YOUR MACHINE AND ALWAYS QUOTE IT IN ANY COMMUNICATION WITH PERSONNEL AT DENNIS.*

**MACHINE SERIAL NUMBER**

## INTRODUCTION

The SISIS OSCA 3 is virtually maintenance free, and brushes can be replaced should they become worn.

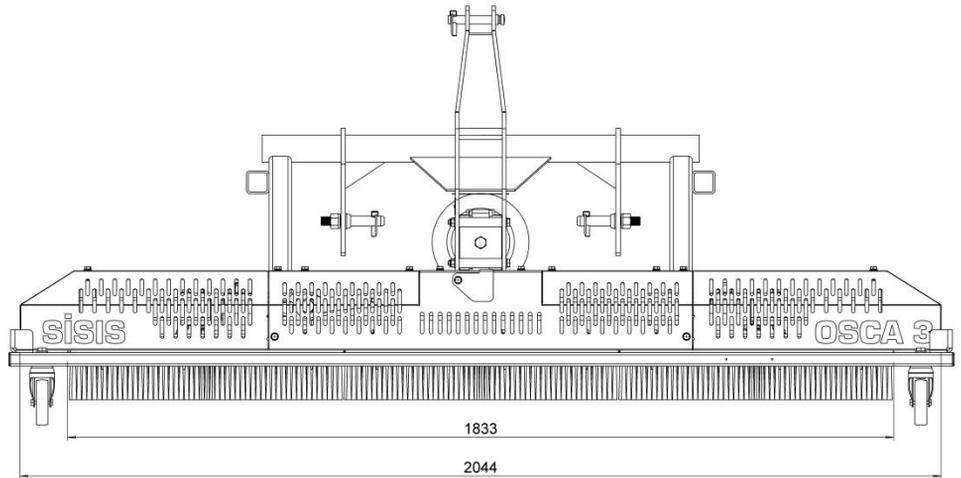
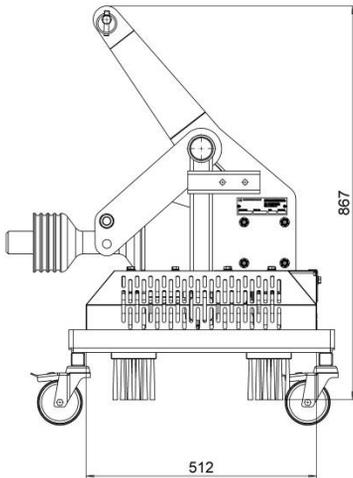
It is advisable to read the instructions carefully. Proper care and attention will enable the machine to give a continuous, satisfactory, and reliable service.

In the case of any difficulty, or if further information or advice is required, our Service Department is always at your call. In the interests of speed and accuracy of information please quote the serial number of the machine when making enquires.

For the machine, this is to be found on a plate attached to the front frame. We suggest you write the numbers above.

## CONTENTS

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|                              |                   |
|------------------------------|-------------------|
| MODEL                        | OSCA 3            |
| WIDTH (mm)                   | 2044              |
| LENGTH (mm)                  | 512               |
| HEIGHT (mm)                  | 867               |
| WEIGHT (Kg)                  | 150               |
| WORKING WIDTH (mm)           | 1833              |
| NUMBER OF BRUSHES            | 6                 |
| BRUSHES                      | F33772 or SP24004 |
| RECOMMENDED TRACTOR (hp/rpm) | 16hp 540rpm       |

## IMPORTANT SAFETY INTRODUCTIONS



### **CAUTION:-**

*READ THE INSTRUCTIONS. We want you to obtain the best performances from this machine. If you have any difficulty in carrying out the following instructions please contact your local SISIS dealer.*

### **NEVER**

- Carry out adjustments whilst the machine is running.
- Allow any unauthorised person to handle machines in any way at any time.

### **ALWAYS**

- Read the operating instructions carefully and understand the controls before commencing work.
- Before starting work always visually check machine for damage or wear to parts.
- Look behind before starting to reverse and watch out for children or pedestrians.
- Switch off the power before making adjustments or repairs and never lift or carry a machine whilst any parts are moving.

PLEASE READ THE FOLLOWING INSTRUCTIONS CAREFULLY BEFORE USING THIS IMPLEMENT

We want you to obtain the best performance from this machine. If you have any difficulties after reading these operating instructions, please contact us or your local SISIS Territory Manager or SISIS Dealer.

## **OPERATING PRINCIPAL**

The SISIS OSCA 3 is a PTO driven gearbox, which in turn drives an oscillating bar. The number of oscillations per meter is controlled by the rpm of the tractor PTO and the forward speed. So the operator chooses the ideal speed to suit conditions. PTO must turn at 400 rpm or less.

## **USES**

The SISIS OSCA 3, oscillating brush unit, has been designed to brush in top dressing in less passes than a conventional drag brush, thereby reducing the compaction of fine turf by the tractor, especially when used after hollow coring.

The OSCA 3 is also an essential implement for the upkeep of artificial surfaces, to reconstitute the sand and keep the surface in good condition, whether brushing in new sand or regular maintenance of the existing surface.

## **CONNECTION TO THE TRACTOR**

Connect tractor lift arm to pins on OSCA. Connect top link pin and adjust so that OSCA is parallel to the ground. Always fit and tighten tractor lift arm stabilisers.

When fitting the PTO always ensure PTO is cut to correct length as explained in the instructions supplied with PTO.



### **NOTE:-**

*THERE MUST BE A MINIMUM CLEARANCE OF 50MM (2IN) BETWEEN THE SLIDING MEMBERS OF THE PTO SHAFT IN THEIR CLOSED POSITION. (SEE MAKERS LEAFLET FOR INFORMATION ON ADJUSTING THE LENGTH)*

Under NO circumstances must the drive shaft be allowed to close tight of 'bottom' as damage could be caused to the tractor or to the implement gear box.

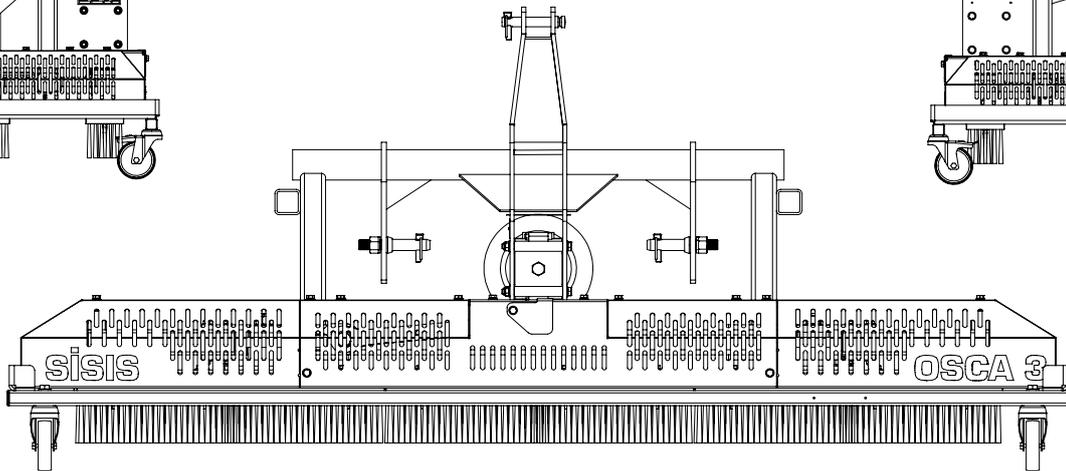
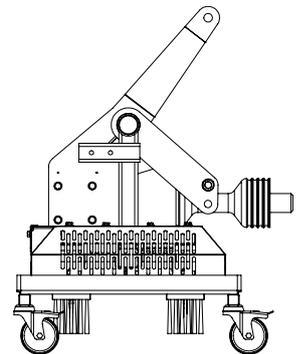
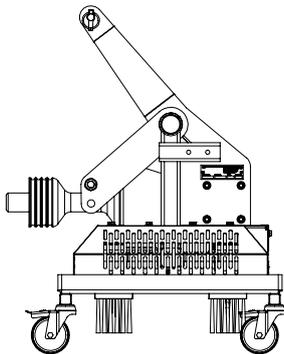
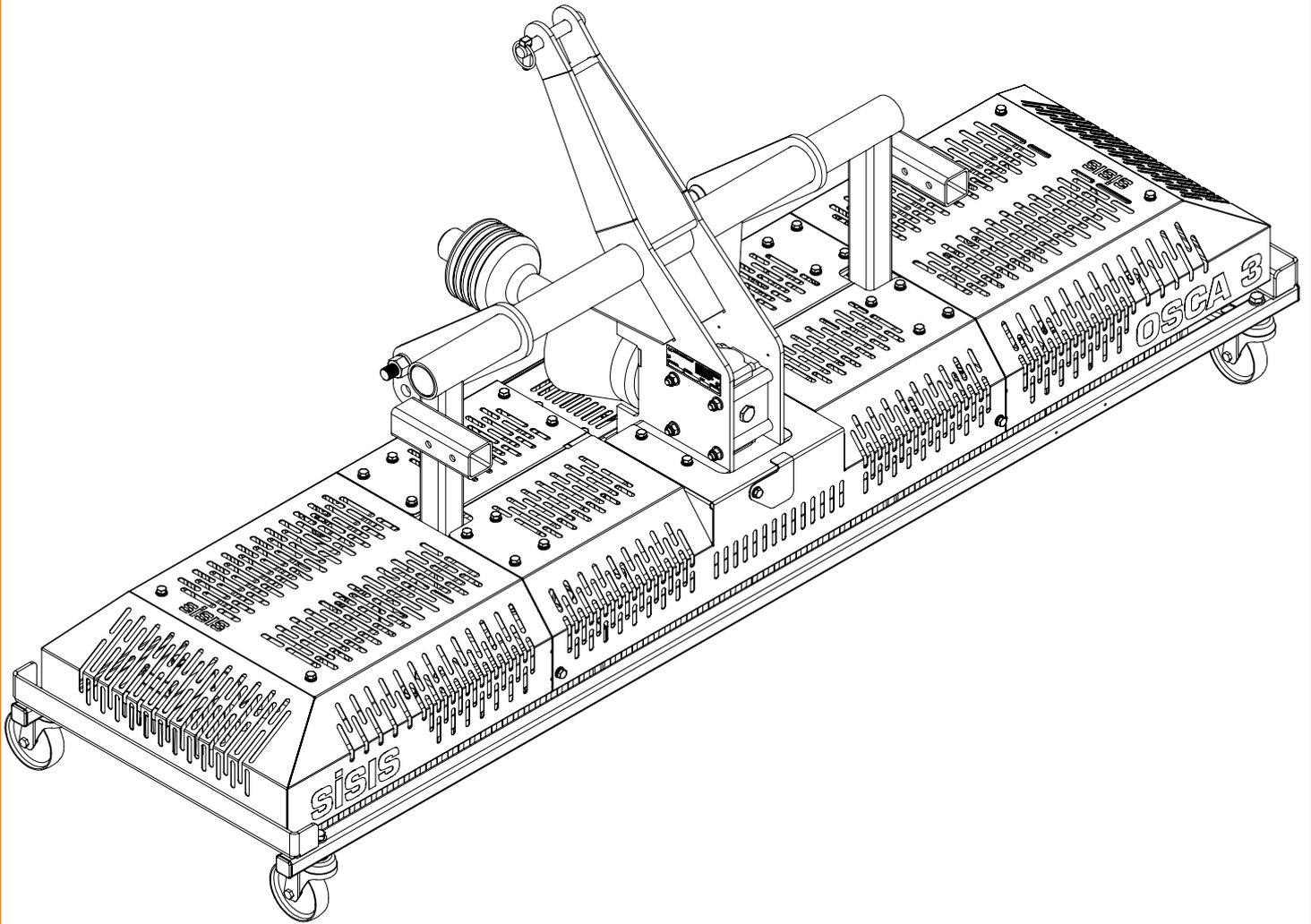
## **PTO DRIVES FROM TRACTORS**

Before attaching or adjusting PTO driven implements, always stop the engine and disengage PTO drive.

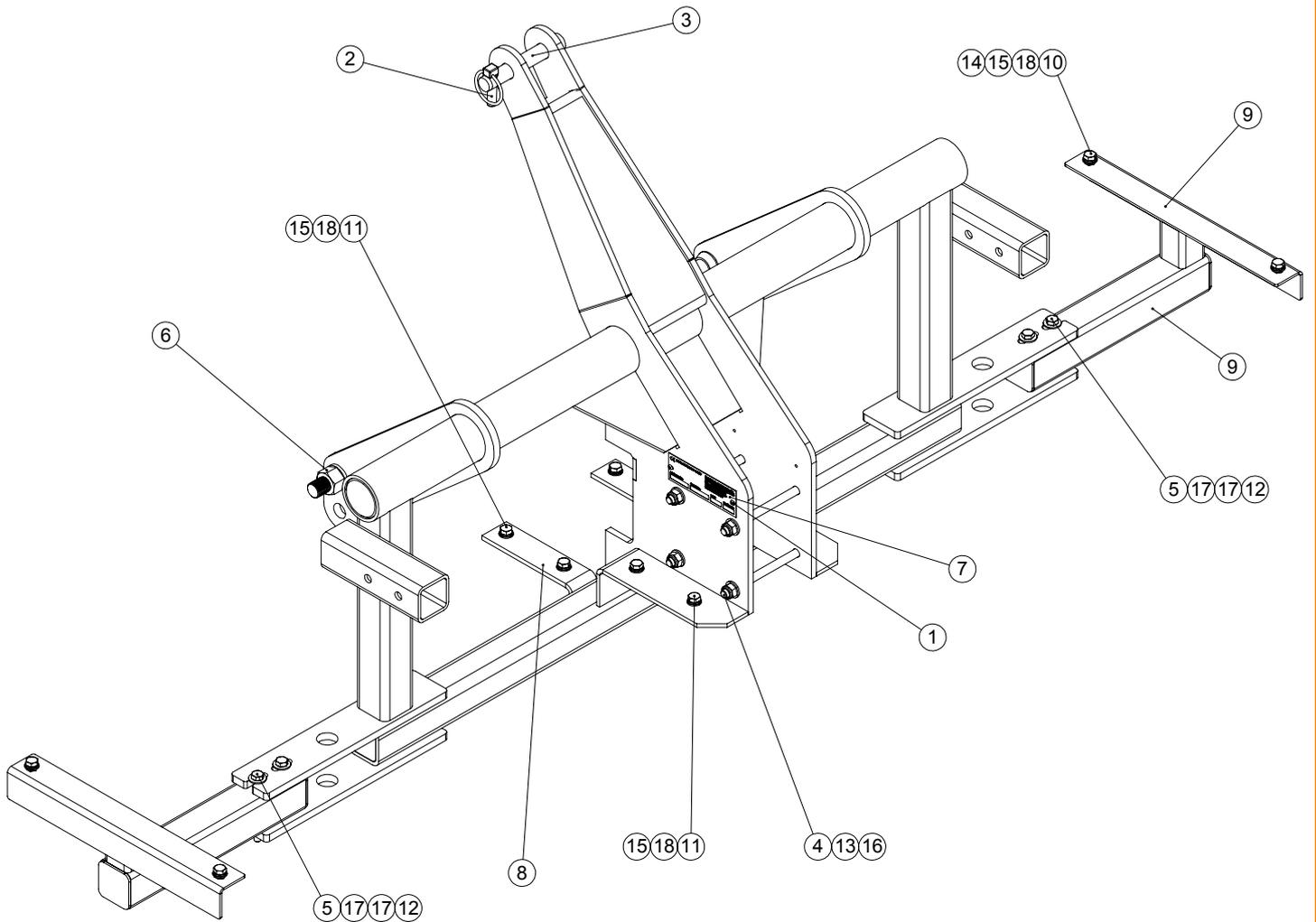
Never operate PTO shafts at extreme angles and take particular care to avoid high linkage lift positions with the PTO in operation i.e. at the end of working runs.

Many tractors now have multi speed PTO systems. Take special care that the PTO speed selected is suitable for the implement being used e.g. never use 1000rpm on an implement designed for 400rpm.

# OSCA 3 - PARTS BOOK

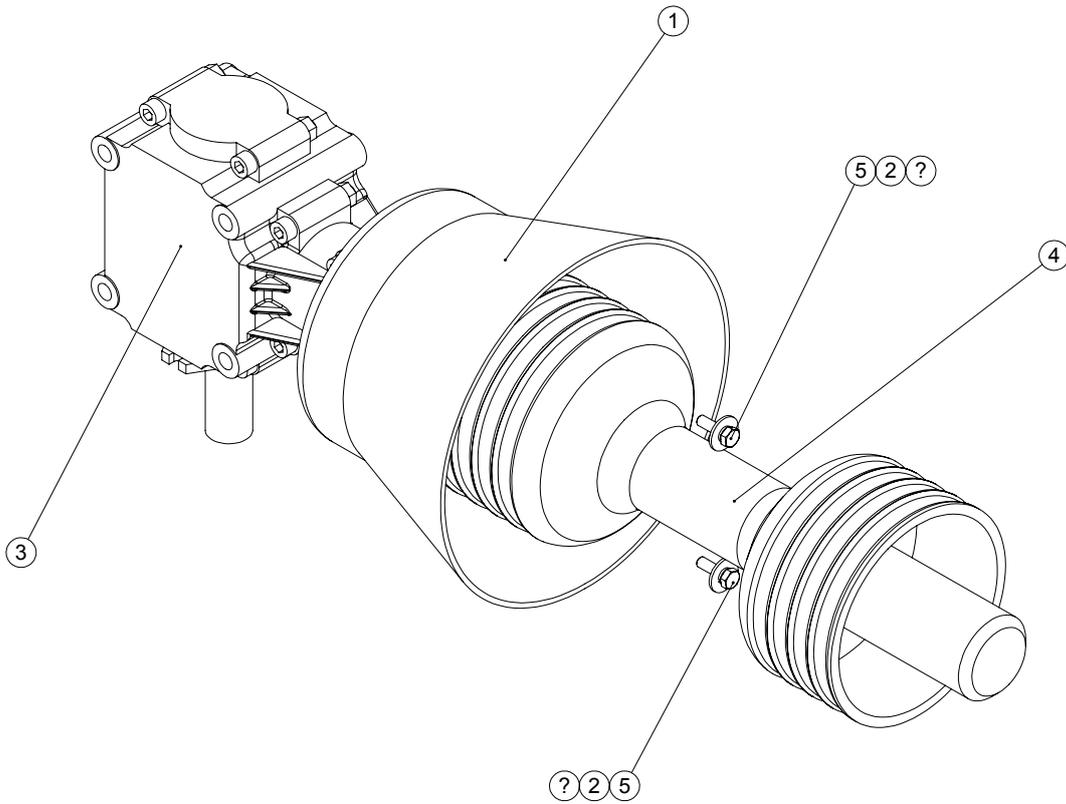


# FRAME



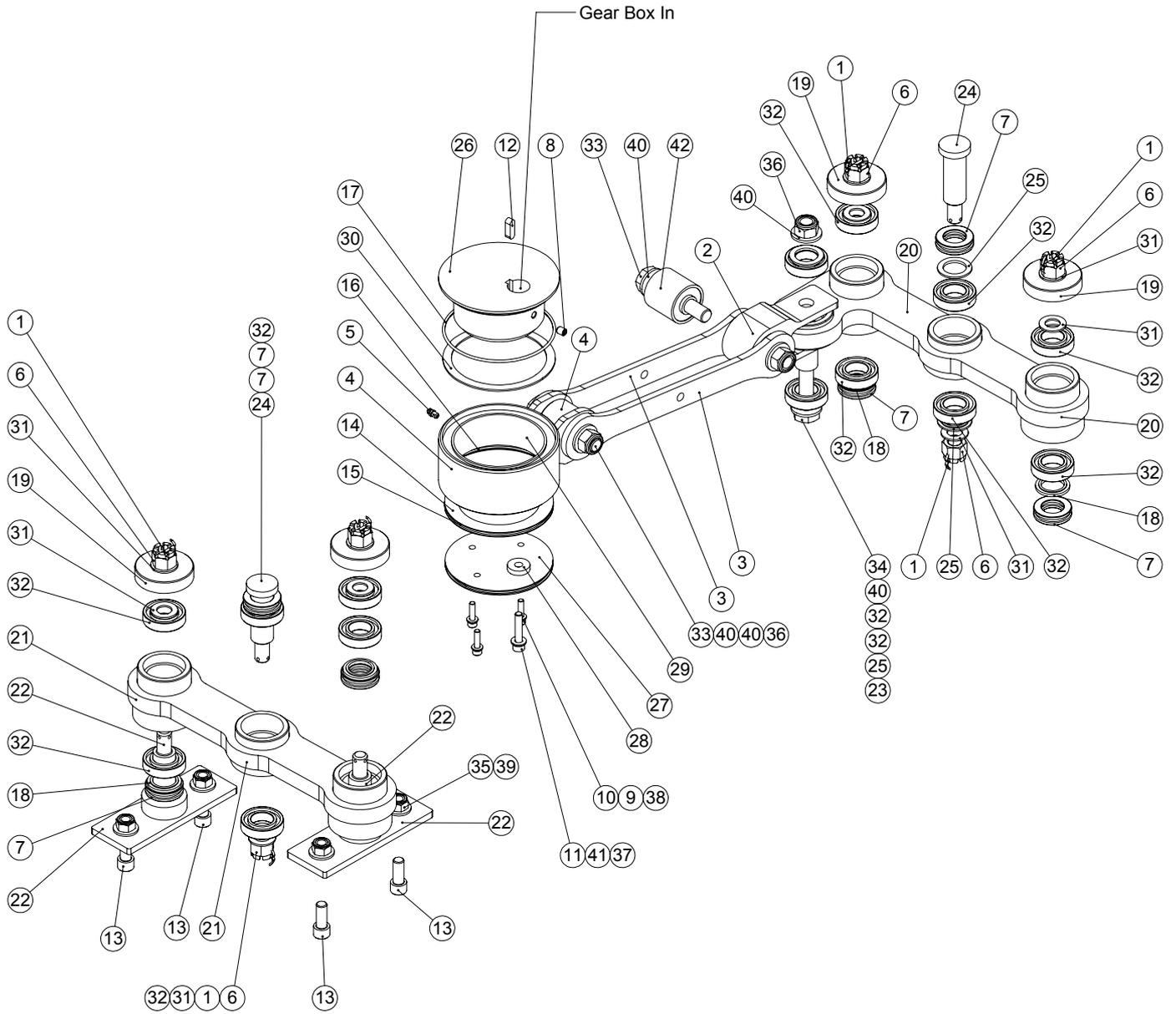
| ITEM NO. | PART NUMBER  | DESCRIPTION                       | FRAME/QTY. |
|----------|--------------|-----------------------------------|------------|
| 1        | D1871_REV1   | RIVET 3.2 X 6                     | 2          |
| 2        | D8326_REV1   | PIN LINCH 7/16"                   | 3          |
| 3        | D8617_REV1   | TOP LINK PIN 3/4"                 | 1          |
| 4        | E1-1141_REV0 | HEX SET SCREW M10 X 130           | 4          |
| 5        | E1-1621_REV0 | HEX BOLT M8 X 90                  | 4          |
| 6        | F20327_REV0  | IMPLEMENT MOUNTING PIN            | 2          |
| 7        | F36000_REV2  | SERIAL NO PLATE (SISIS)           | 1          |
| 8        | F36273_REV3  | OSCA FRAME ASSY                   | 1          |
| 9        | F36281_REV1  | COVER SUPPORT                     | 2          |
| 10       | SP01045_REV0 | HEX SET SCREW M8 X 25             | 4          |
| 11       | SP01076_REV0 | HEX SET SCREW M8 X 16             | 8          |
| 12       | SP02006_REV0 | NUT M8 NYLOC (T)                  | 4          |
| 13       | SP02008_REV0 | NUT M10 NYLOC (T)                 | 4          |
| 14       | SP02044_REV0 | RIVNUT HEX M8 (0.5-3.0) [NO HEAD] | 4          |
| 15       | SP03008_REV0 | WASHER M8 FORM A                  | 12         |
| 16       | SP03011_REV0 | WASHER M10 FORM A                 | 8          |
| 17       | SP03015_REV0 | WASHER M8 FORM C                  | 8          |
| 18       | SP03029_REV0 | WASHER M8 SPRING LOCK             | 12         |

# DRIVE



| ITEM NO. | PART NUMBER  | DESCRIPTION           | DRIVE/QTY. |
|----------|--------------|-----------------------|------------|
| 1        | D1734_REV1   | IMPLEMENT SHIELD      | 1          |
| 2        | E1-1061_REV0 | WASHER M6 SPRING      | 2          |
| 3        | F21875_REV1  | GEAR BOX              | 1          |
| 4        | F30510_REV0  | PTO SHAFT             | 1          |
| 5        | SP01028_REV0 | HEX SET SCREW M6 X 20 | 2          |
| 6        | SP03007_REV0 | WASHER M6 X 20        | 2          |

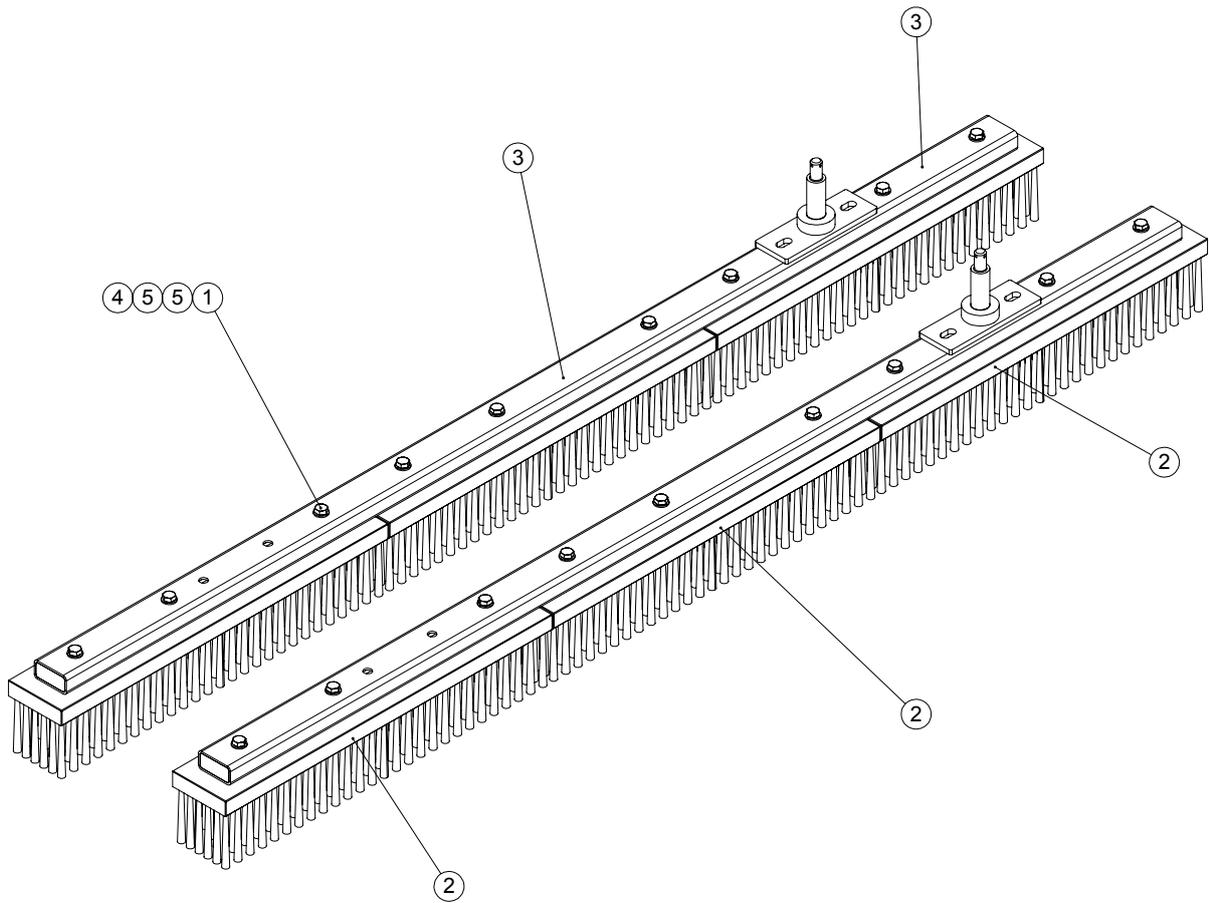
# LINKAGE



# LINKAGE

| ITEM NO. | PART NUMBER  | DESCRIPTION             | LINKAGE/QTY. |
|----------|--------------|-------------------------|--------------|
| 1        | 060659_REV0  | SPLIT PIN 1/8" X 1 1/2" | 6            |
| 2        | 401026_REV0  | CONNECTING LINK         | 1            |
| 3        | 401029_REV0  | CONNECTING ARM          | 2            |
| 4        | 401030_REV1  | CAM ASSY                | 1            |
| 5        | D1947_REV1   | GREASE NIPPLE M6        | 1            |
| 6        | D1950_REV0   | NUT M16 (CASTLE)        | 6            |
| 7        | D8047_REV0   | BEARING 51105 (THRUST)  | 6            |
| 8        | D8153_REV1   | GRUB SCREW M8 X 10      | 1            |
| 9        | E1-1061_REV0 | WASHER M6 SPRING        | 3            |
| 10       | E1-1669_REV0 | CAP HEAD M6 X 25        | 3            |
| 11       | F20005_REV0  | CAP HEAD M8 X 40        | 1            |
| 12       | F20684_REV0  | KEY PARALLEL 8 X 7 X 25 | 1            |
| 13       | F21854_REV1  | CAP HEAD M12 X 30       | 4            |
| 14       | F21876_REV0  | BEARING WASHER          | 2            |
| 15       | F21877_REV0  | THRUST BEARING          | 1            |
| 16       | F21878_REV0  | O RING 115ID            | 1            |
| 17       | F21879_REV0  | O RING 119ID            | 1            |
| 18       | F33764_REV1  | THRUST WASHER           | 4            |
| 19       | F33765_REV1  | DUST COVER              | 4            |
| 20       | F36274_REV1  | SWIVEL (DRIVE)          | 1            |
| 21       | F36275_REV1  | SWIVEL (NON DRIVE)      | 1            |
| 22       | F36276_REV1  | PIVOT                   | 2            |
| 23       | F36291_REV1  | BEARING BUSH            | 1            |
| 24       | F36292_REV4  | PIVOT PIN               | 2            |
| 25       | F36293_REV1  | SPACER                  | 6            |
| 26       | F36312_REV2  | DRIVE CAM               | 1            |
| 27       | F36313_REV1  | CAM PLATE               | 1            |
| 28       | F36315_REV1  | SPACER                  | 1            |
| 29       | F36316_REV1  | MODIFIED BUSH           | 1            |
| 30       | F36317_REV1  | THRUST WASHER           | 1            |
| 31       | J209012_REV0 | WASHER M16 FORM B       | 10           |
| 32       | J209040_REV1 | BEARING 6005-2RS        | 14           |
| 33       | SP01108_REV0 | HEX BOLT M16 X 90       | 2            |
| 34       | SP01116_REV0 | HEX BOLT M16 X 75       | 1            |
| 35       | SP02010_REV0 | NUT M12 NYLOC (T)       | 4            |
| 36       | SP02028_REV0 | NUT M16 NYLOC (T)       | 3            |
| 37       | SP03008_REV0 | WASHER M8 FORM A        | 1            |
| 38       | SP03010_REV0 | WASHER M6 FORM A        | 3            |
| 39       | SP03017_REV0 | WASHER M12 FORM C       | 4            |
| 40       | SP03021_REV0 | WASHER M16 FORM C       | 6            |
| 41       | SP03029_REV0 | WASHER M8 SPRING LOCK   | 1            |
| 42       | SP14008_REV0 | BUSH 13/1004            | 1            |

# BRUSHES

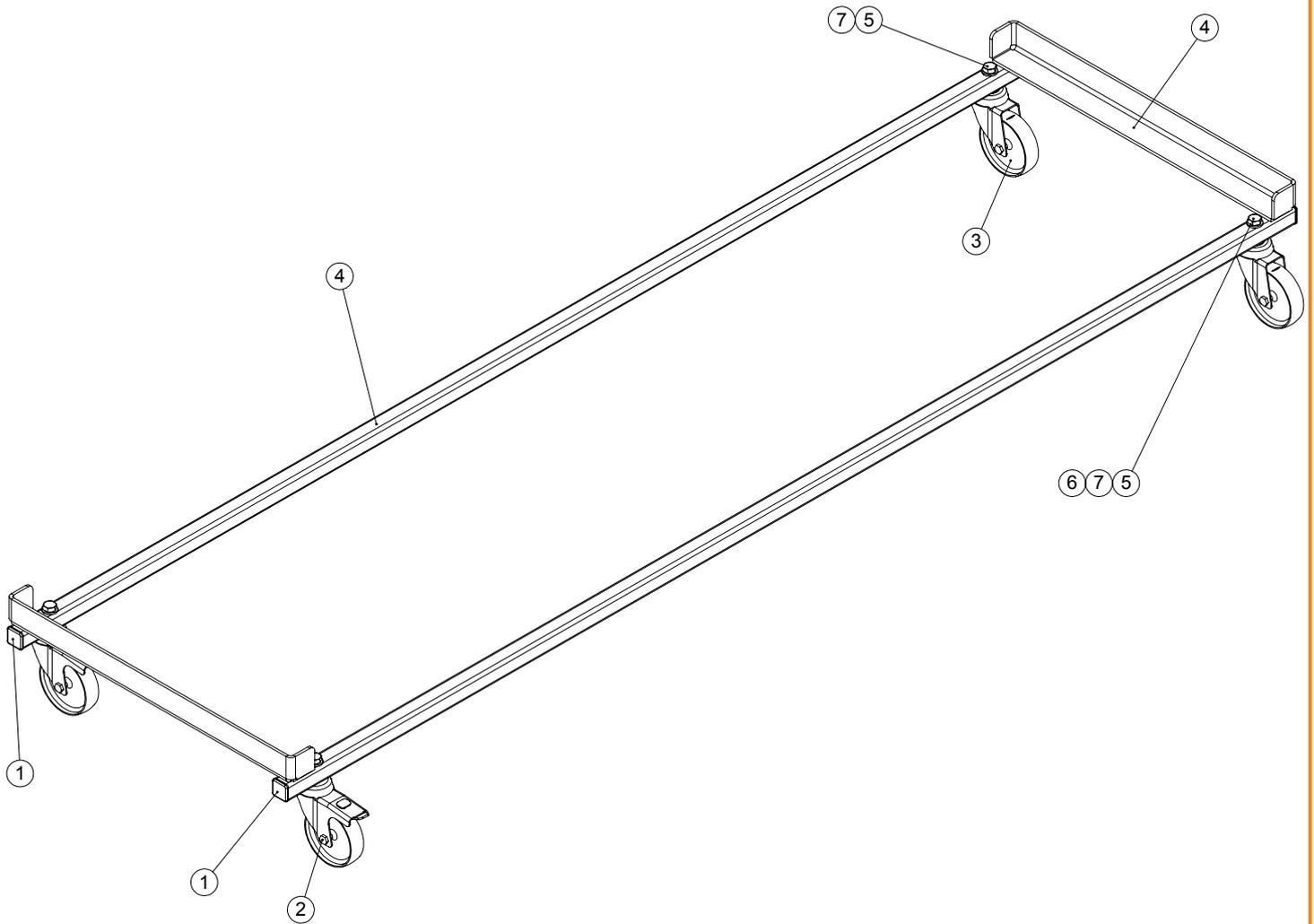


| ITEM NO. | PART NUMBER  | DESCRIPTION            | BRUSHES/QTY. |
|----------|--------------|------------------------|--------------|
| 1        | E1-1134_REV0 | HEX SET SCREW M10 X 80 | 18           |
| 2        | F33772_REV3  | BRUSH OSCA             | 6            |
| 3        | F36278_REV1  | BRUSH FRAME            | 2            |
| 4        | SP02008_REV0 | NUT M10 NYLOC (T)      | 18           |
| 5        | SP03011_REV0 | WASHER M10 FORM A      | 36           |

## ALTERNATIVE BRUSH

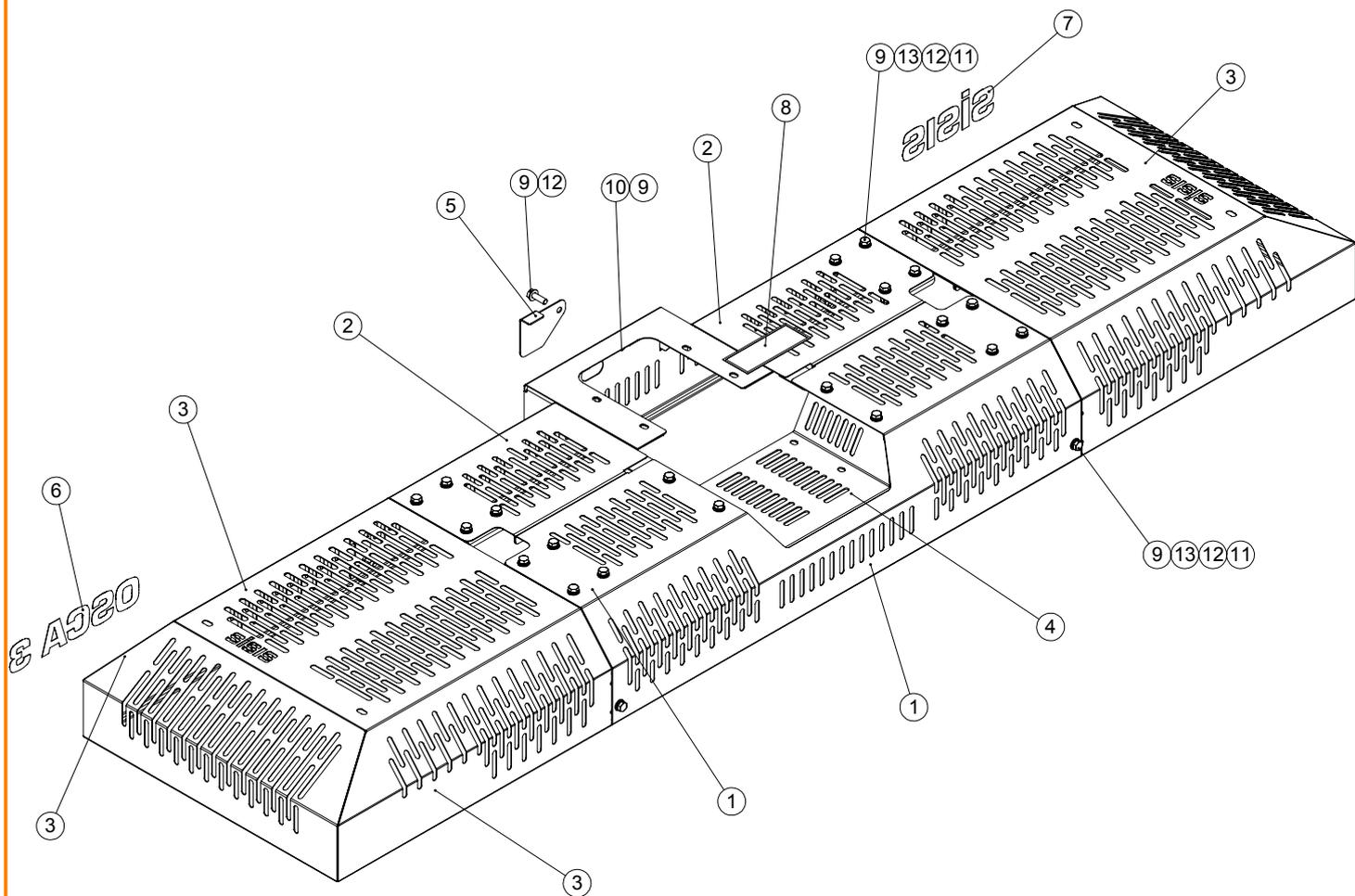
| ITEM NO. | PART NUMBER | DESCRIPTION            | BRUSH/QTY. |
|----------|-------------|------------------------|------------|
| 3        | SP24004     | BRUSH COARSE OSCA 75mm | 6          |

# STAND



| ITEM NO. | PART NUMBER  | DESCRIPTION            | STAND/QTY. |
|----------|--------------|------------------------|------------|
| 1        | F21656_REV1  | TUBE INSERT 30X30      | 4          |
| 2        | F25007_REV0  | CASTOR 100 DIA BRAKED  | 2          |
| 3        | F25056_REV0  | CASTOR 100 DIA         | 2          |
| 4        | F37623_REV2  | OSCA STAND             | 1          |
| 5        | SP01082_REV0 | HEX SET SCREW M12 X 50 | 4          |
| 6        | SP02010_REV0 | NUT M12 NYLOC (T)      | 4          |
| 7        | SP03012_REV0 | WASHER M12 FORM A      | 8          |

## GUARD & DECALS



| ITEM NO. | PART NUMBER  | DESCRIPTION                        | GUARD/QTY. |
|----------|--------------|------------------------------------|------------|
| 1        | 401829_REV0  | GUARD CENTRE DRIVE SIDE            | 1          |
| 2        | 401830_REV0  | GUARD CENTRE REAR                  | 1          |
| 3        | 401831_REV0  | GUARD SIDE                         | 2          |
| 4        | 401832_REV0  | BRACKET GUARD CENTRE               | 1          |
| 5        | 401884_REV0  | COVER BRACKET GREASE               | 1          |
| 6        | F36308_REV0  | DECAL OSCA LABEL WHITE 50MM HEIGHT | 1          |
| 7        | F36332_REV0  | DECAL SISIS WHITE 50MM HEIGHT      | 1          |
| 8        | F36870_REV1  | LABEL WARNING                      | 1          |
| 9        | SP01045_REV0 | HEX SET SCREW M8 X 25              | 25         |
| 10       | SP02006_REV0 | NUT M8 NYLOC (T)                   | 1          |
| 11       | SP02044_REV0 | RIVNUT HEX M8 (0.5-3.0) [NO HEAD]  | 24         |
| 12       | SP03008_REV0 | WASHER M8 FORM A                   | 26         |
| 13       | SP03029_REV0 | WASHER M8 SPRING LOCK              | 24         |



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