



gullwing



Installation, Inspection & Maintenance Guide 2008



RP272 Gullwing Footing Details

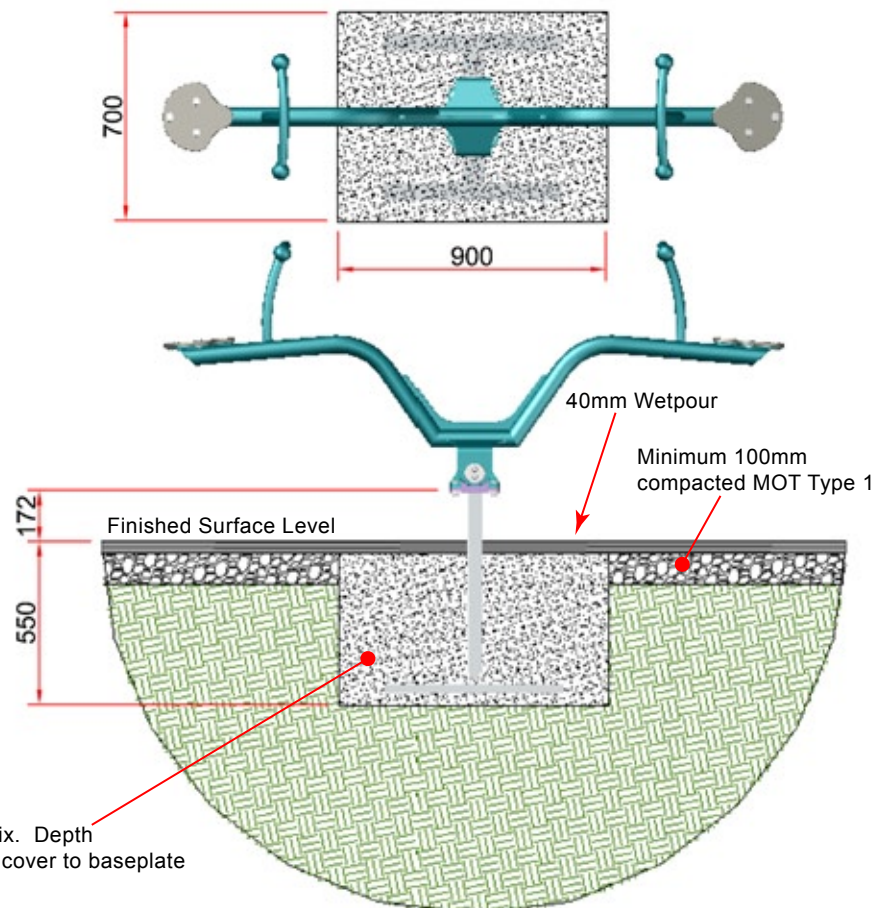
Please read this installation guide in its entirety prior to commencing any installation works

Installation Sequence.

1. Excavate foundations as indicated.
2. Set Gullwing Base Unit (503301) into previously excavated foundations **taking care to ensure the suspension fixing plate of the Base Unit is 172mm above finished surface level as indicated below and that it is level.**
3. Backfill foundations with 4:2:1 Mix and allow 60 hours for concrete to cure.
4. Fix the pre-assembled top to the base unit as indicated in the 3D Assembled views following.

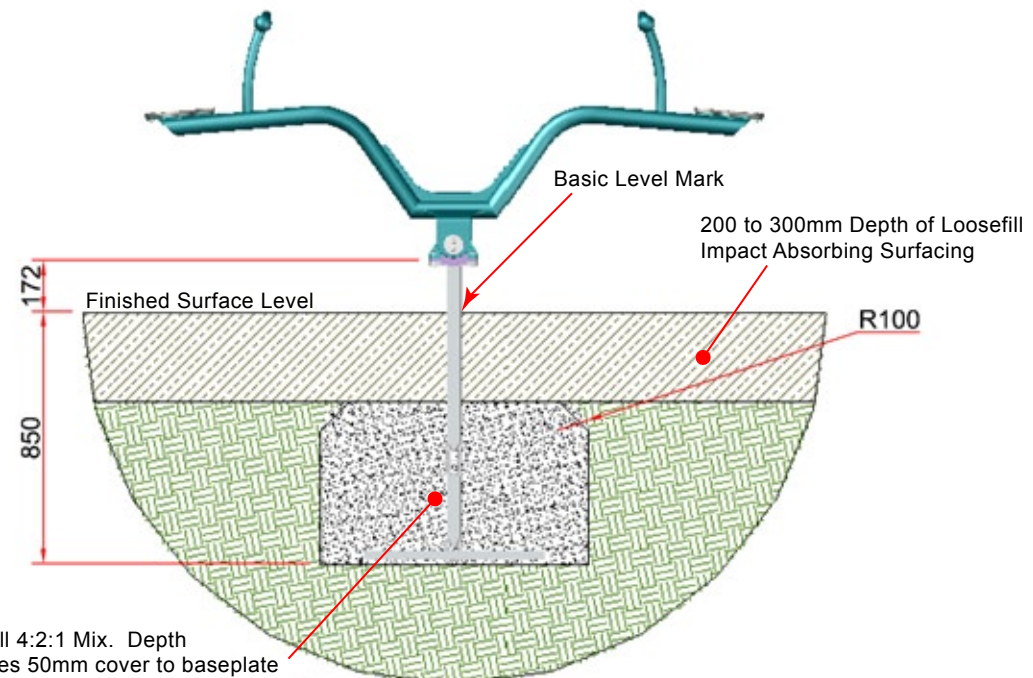
Notes: -

- A. EN1176 Part 6: Ensure a minimum ground clearance of 230mm is maintained when the Gullwing arm is fully depressed.
- B. The Free Height of Fall for Gullwing is 0.98m
- C. The Falling Space is 4.08m x 2.37m
- D. Constructional space requirements 8m x 8m
- E. Foundation is assuming good ground conditions, **care should be taken concerning abnormal ground conditions.**
- F. Check tightness of bolts following a 2 week run in period
- G. Replacement components must comply with Record RSS Ltd specifications
- H. Ensure level surface on all equipment
- I. Warning, some of these components may exceed the single persons lifting allowance
- J. Ensure equipment is protected from usage throughout installation, maintenance & repairs
- K. Touch-up any damaged paint work.
- L. This installation does not require assembly aids

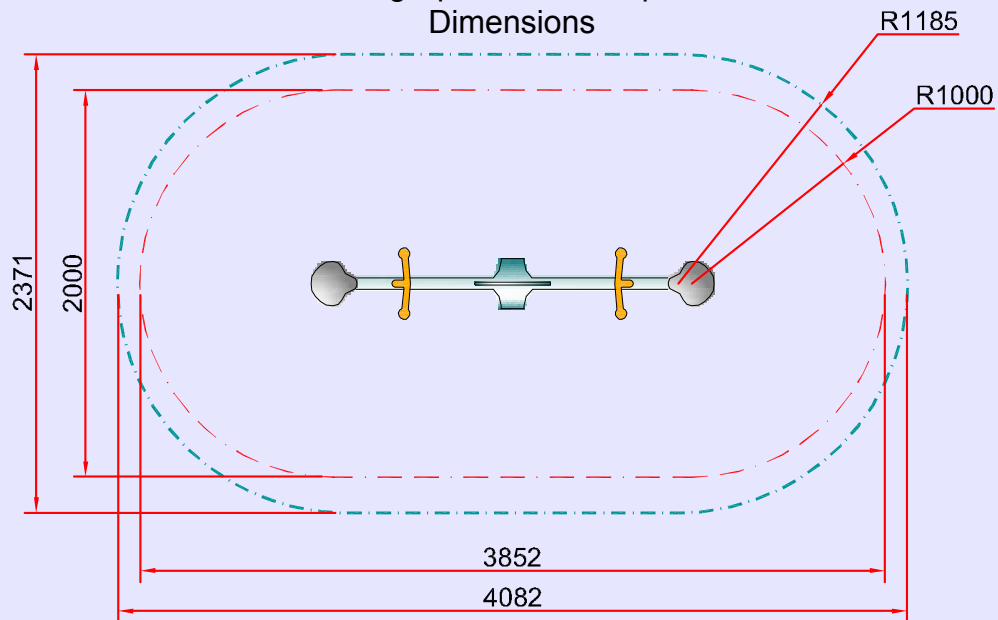


If the installation is into loose fill type surfacing the support frame should be marked with a 'Basic Level Mark' to indicate the recommended 'Finished surface Level' of the surface.

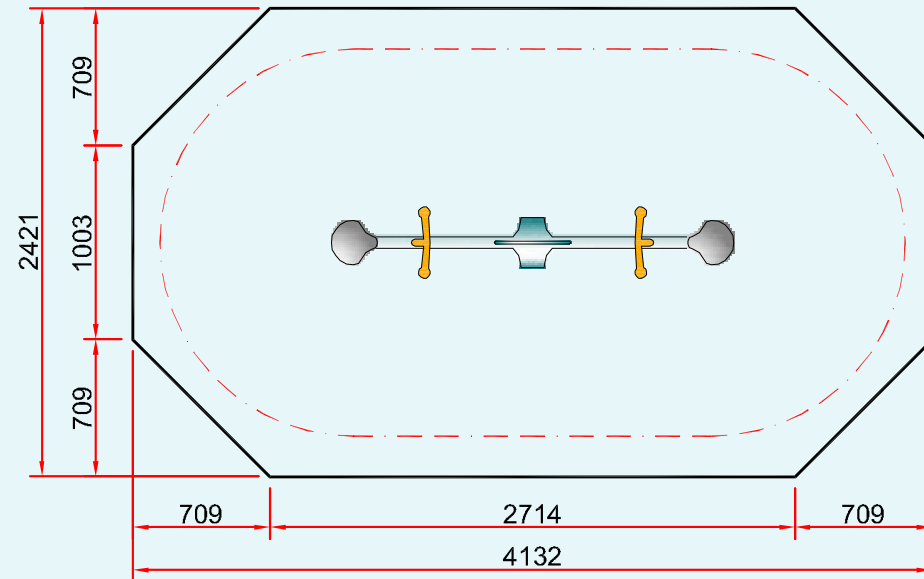
Using masking tape, paint a 10mm wide mark around each leg with paint provided.



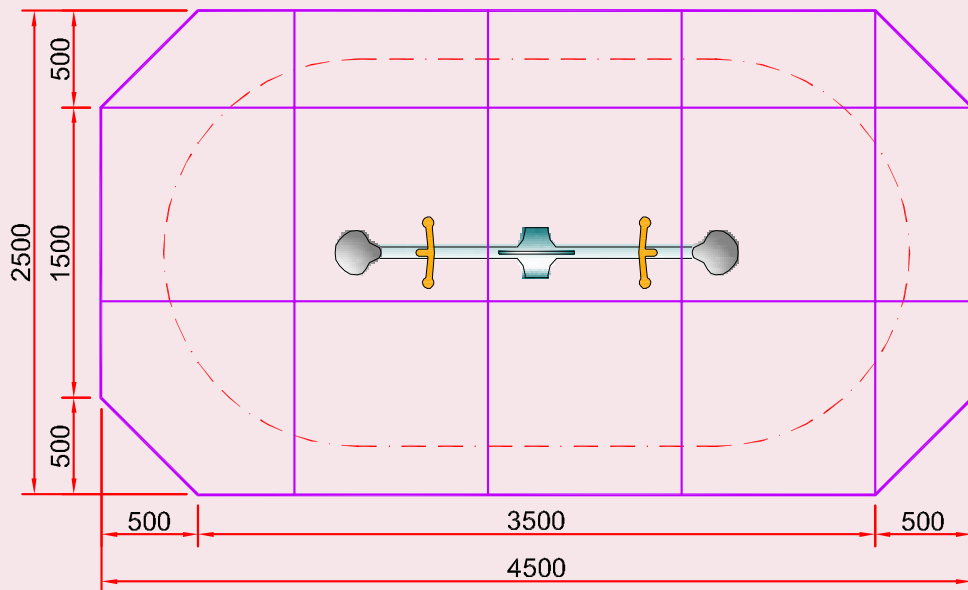
Falling Space & Free Space Dimensions



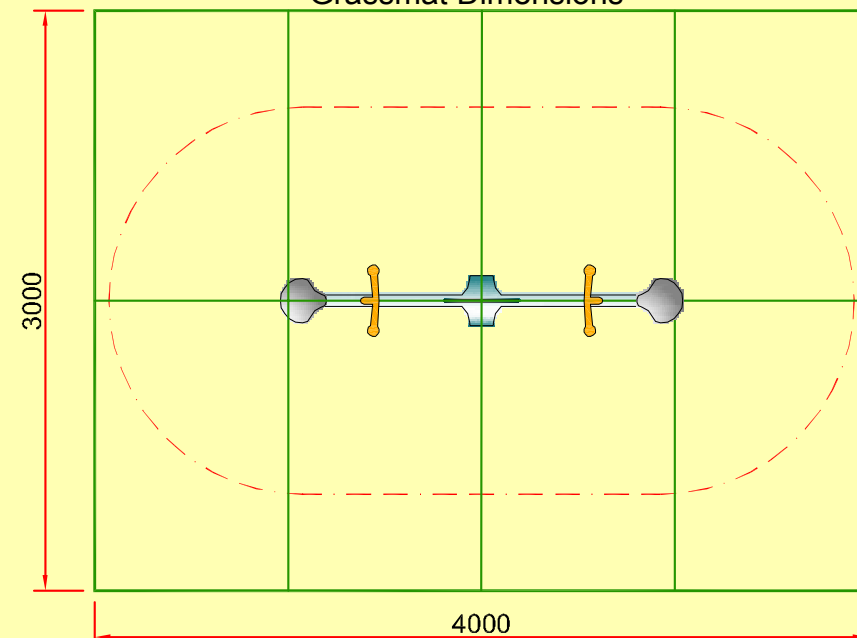
Wetpour Dimensions



Playtile Dimensions

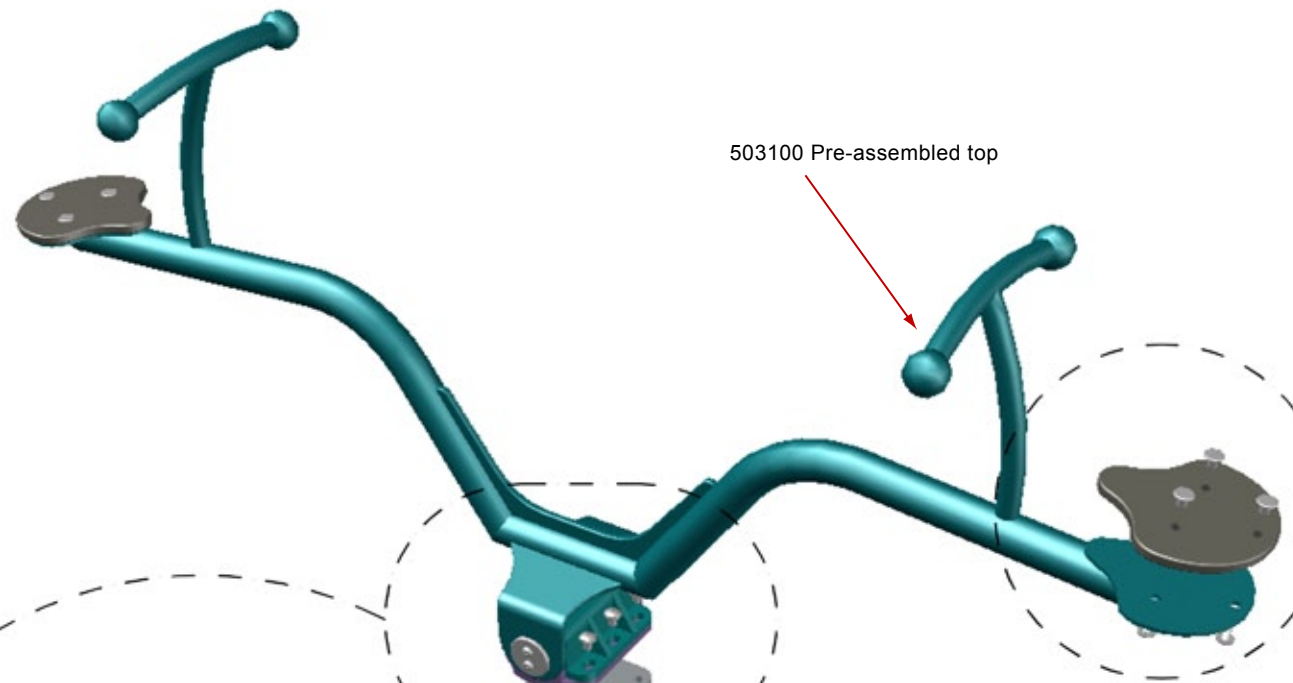


Grassmat Dimensions





RP272 Gullwing Exploded Views



503100 Pre-assembled top

503301 Base Unit

6 No 10301005 M10 Barrel Bolts
c/w 10291400 M14 Washers

6 No 10121040 M10 x 40 Resistorx
c/w 1030100 M10 Shakeproof washers
& 10291000 M10 Washers

2 No 502420
seats
6 No 10931000
M10 T-Nuts

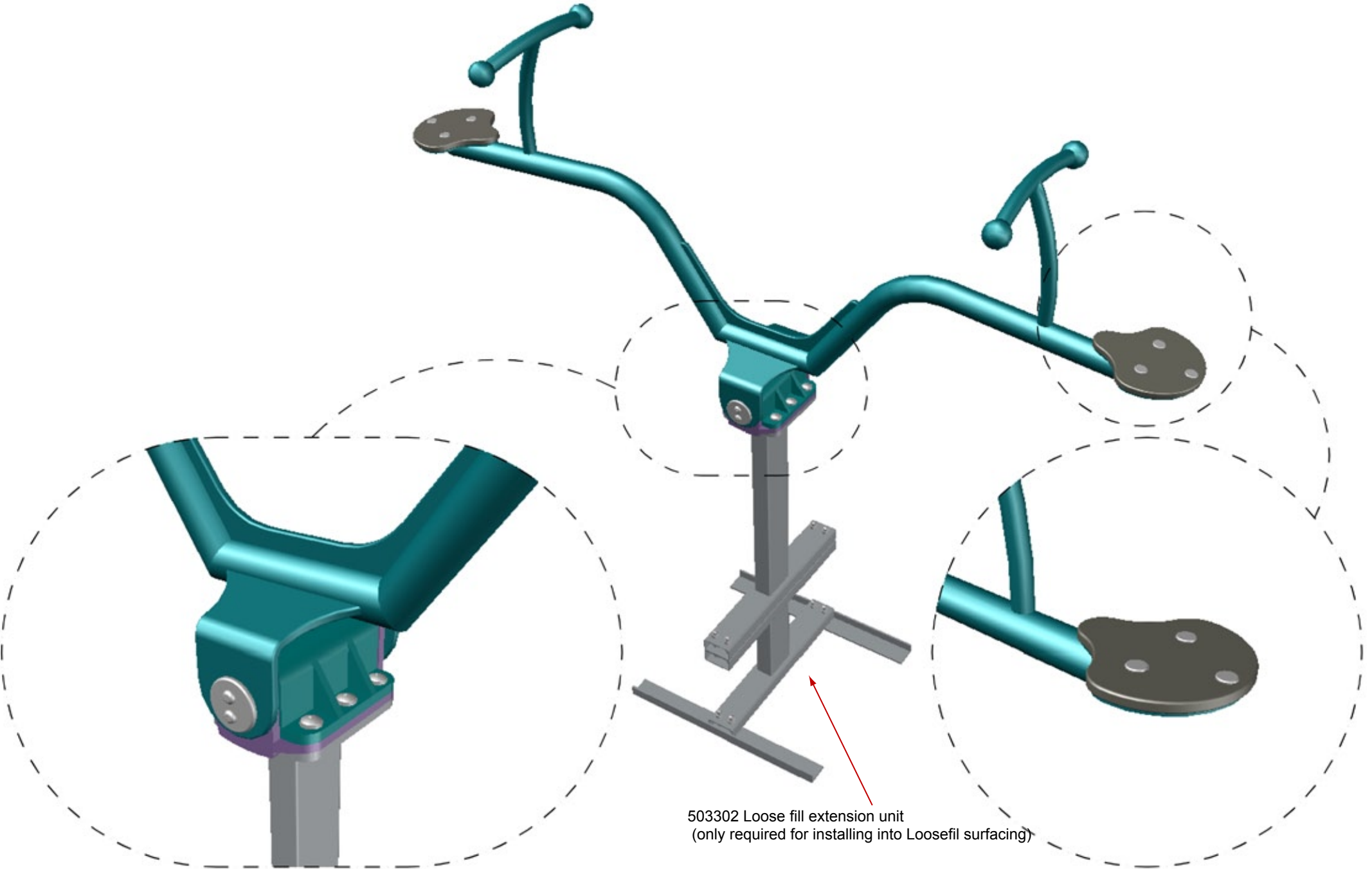
2 No 503304 foot
c/w 4 No 10251270
M12 x 70 bolts & 10261200
Lock nuts

6 No 10121020
M10 x 20 Resistorx

503302 Loose fill extension unit c/w 4 No 10221210 M12 x 100 bolts & 10261200
M12 lock nuts (only required for installing into Loosefil surfacing)



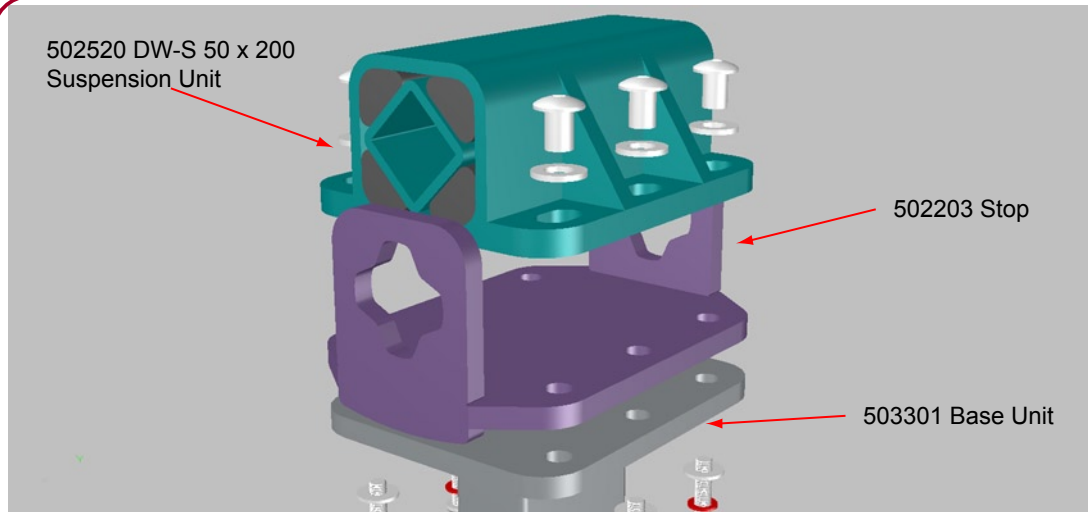
RP272 Gullwing Assembled Views



503302 Loose fill extension unit
(only required for installing into Loosefil surfacing)

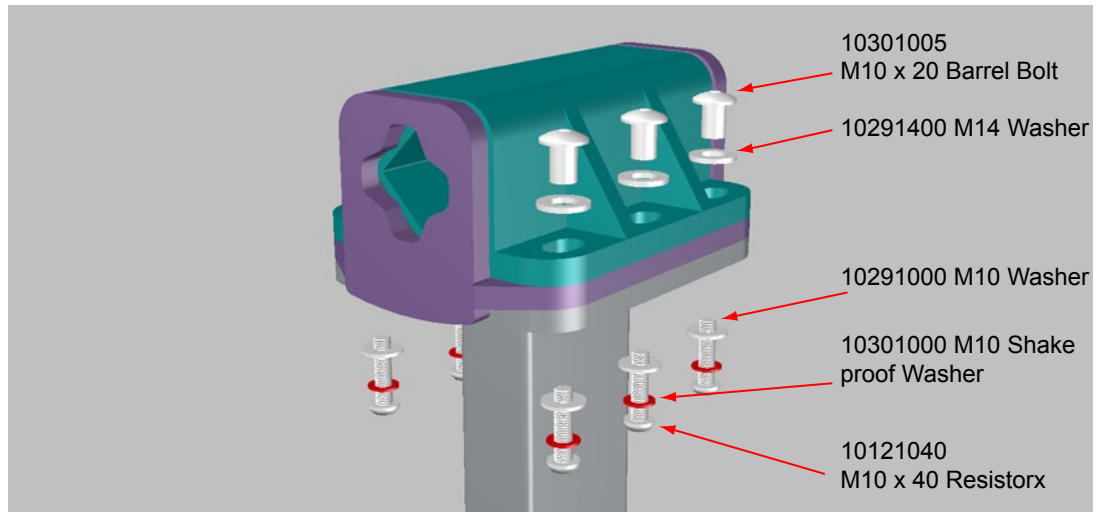


RP272 Gullwing Assembly Sequence for Replacement Parts - 1 of 2



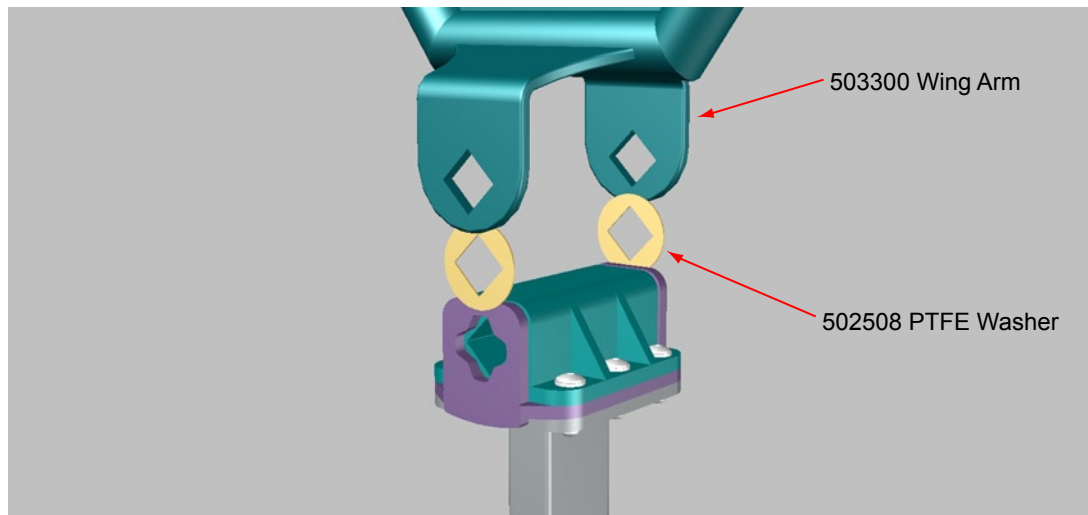
STEP 1

Assemble the DW-S 50 x 200 Suspension unit with the 502203 Stop and 503301 Base unit.



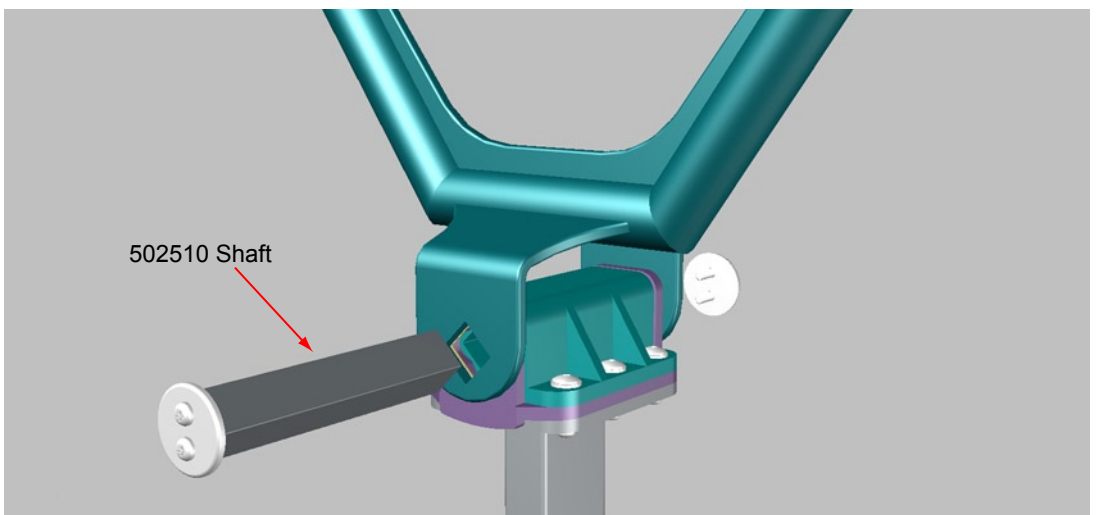
STEP 2

Fix together the afore mentioned components using 6 No M10 x 40 Resistorx c/w 6 No M10 Shakeproof washers, 6 No M10 flat washers, 6 No M14 flat washers and 6 No M10 barrel bolts.



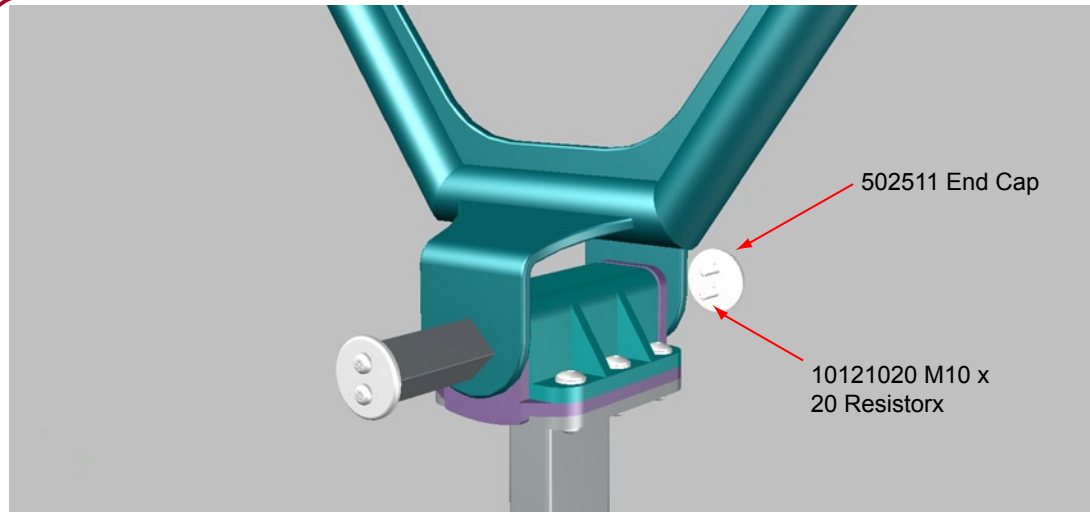
STEP 3

Lower onto previously assembled components the 503300 Wing arm and 502508 PTFE washers ensuring the washer fits between the wing arm and the stop



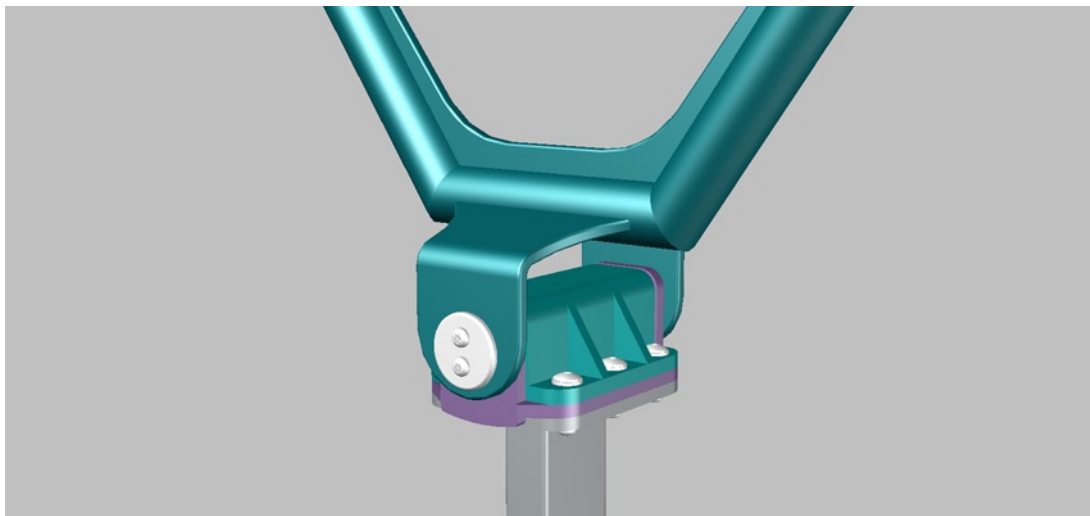
STEP 4

Offer up the 502510 shaft to the previously assembled components and thread it through the assembly.



STEP 5

Once it is correctly in position, to each end of the shaft fit the 502511 end caps using 2 No M10 x 20 resistorx each end.



STEP 6

The finished on site assembly should look as above and right.





RP272 Gullwing Inspection & Maintenance Schedule

All play equipment should be maintained in accordance with EN1176 Part 1. The frequency of inspection will vary with the type of equipment or materials used and other factors, e.g. heavy use, levels of vandalism, coastal location, air pollution and age of equipment. Should you require additional information or assistance please contact our office on 01757 703620.

Routine Visual Inspection (WEEKLY)

- Check For:
- Structural integrity
 - Excessive wear of moving parts
 - Missing parts
 - Sharp edges
 - Exposed foundations
 - Ground clearances
 - Cleanliness
 - Ground surface finishes and surface condition

For playgrounds subject to heavy use or vandalism, daily inspection is advised as above.

For Playgrounds utilizing Loosefil Surfacing ensure level of surfacing is maintained at the level mark.

Operational Inspection (1 TO 3 MONTHS)

- Check For:
- All the foregoing
 - No trip points or obstructions within the falling space
 - Special attention should be given to 'sealed for life' parts
 - Check moving components for wear and lubricate as required
 - Seats are undamaged and free of foreign objects
 - Check seat height when unit is fully depressed
 - The distance between the underside of the seat and the finished surface level should not be less than 230mm
 - Check "non-bump" unit is functioning correctly

Annual Main Inspection (NOT EXCEEDING 12 MONTHS)

- Check For:
- All the foregoing
 - Effects of weather
 - Rotting or corrosion
 - A change in the level of safety of the equipment as a result of repairs made, or of added or replaced components

ALL REPLACEMENT PARTS SHALL COMPLY WITH RECORD RSS LIMITED SPECIFICATIONS. SEE INSTALLATION INSTRUCTIONS AND THE TABLE ABOVE RIGHT FOR COMPONENT REFERENCE NUMBERS.

Replacement Part Codes		
Code	Description	No off
502203	Stop Component	1
502520	DW-S 50 x 200 Suspension Unit	1
502501	Suspension Unit Deck Plate	1
502509	PTFE Washer	2
502510	Shaft	1
502511	Shaft End Cap	2
503300	Gullwing Wing Arm	1
503301	Gullwing Base Unit	1
503302*	Gullwing LIAS Extension*	1*
503304	Gullwing Base Foot	2
10221210*	M12 x 100 Hex Head Bolt*	4*
10251270	M12 x 70 Hex Head Bolt	4
10261200	M12 Lock nuts	4
10121020	M10 x 20 Resistorx	10
10121040	M10 x 40 Resistorx	6
10301005	M10 Barrel bolt	6
10291000	M10 Flat Washer	12
10291400	M14 Flat Washer	6
10301000	M10 Shakeproof Washer	6
10931000	M10 Blank T-nut	6
*Only required for LIAS Installation		