

INSPECTION & MAINTENANCE SCHEDULE FOR ROUNABOUT RANGE

All play equipment should be maintained in accordance with EN1176 Part 7. 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.

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
 Remove Top Hat (using Torx Security Fixing Tool supplied)
 Check condition of heavy duty bearing and casting
 Check the M14 M/C Screws (No.) are torqued to 110Nm (80-lbf ft)
 Ensure handrail and connectors are secure

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
 The roundabout platform and bearing assembly must be dismantled to inspect
 fully. **WARNING** – Some of these components may exceed the single person
 lifting allowance
 Remove Top Hat (using Torx Security Fixing Tool supplied)
 Remove heavy duty bearing from Platform Assembly
 Remove Platform Assembly from Spindle
 Check for excessive wear to heavy duty bearing assembly, also combined
 bearing and speed restrictor
 Replace with new bearing as necessary
 Ensure equipment is protected from usage throughout maintenance and repair
 periods

Note: The M14 M/C Screws (4 No.) to the heavy duty bearing and the M12 M/C screws (4 No.) to the combined bottom bearing and Speed Restrictor **MUST** be torqued to 110 Nm (80 lbf ft)
Once tightened there is no additional requirement to check the bearings until the Operational Inspection is carried out

**ALL REPLACEMENT PARTS SHALL COMPLY WITH RECORD PLAYGROUND EQUIPMENT
LIMITED SPECIFICATIONS. SEE INSTALLATION INSTRUCTIONS FOR COMPONENT
REFERENCE NUMBERS.**

THIS IS A BSI KITEMARKED PRODUCT RANGE

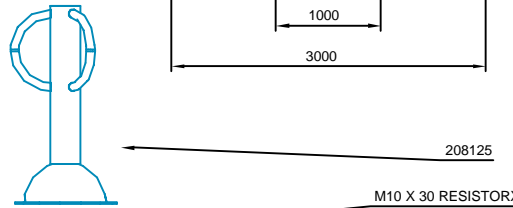
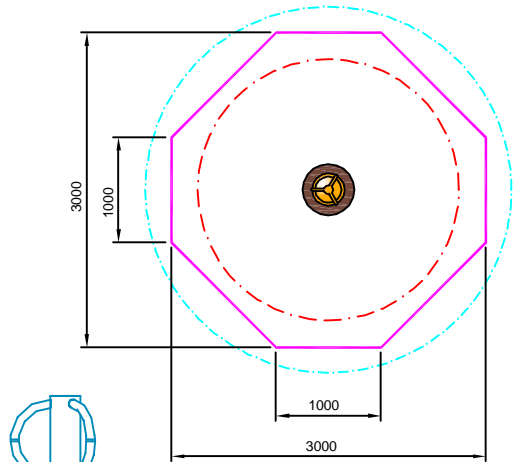
POST INSTALLATION INSPECTION

Roundabout Range					
	Yes	No		Yes	No
All touch up paint completed			All fixings fully secured		
Name plate fitted			Ground clearance 60-110mm		
Kitemark plate fitted			Running freely		



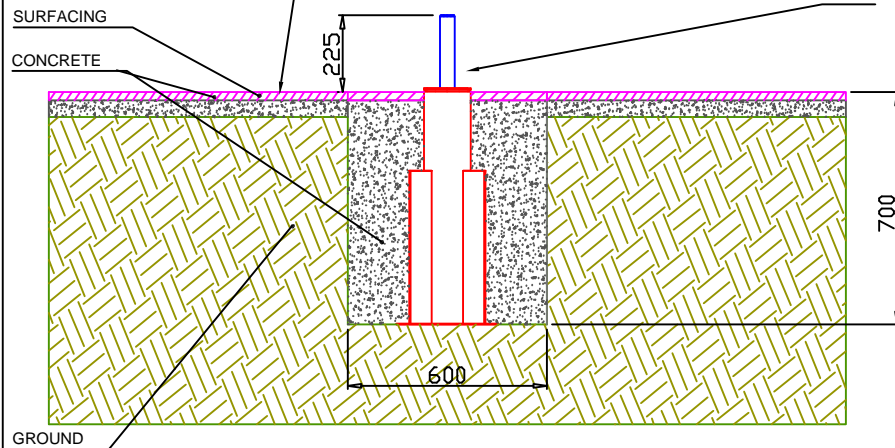
**RP445 SPINNER ROUNDABOUT
FREE HEIGHT OF FALL 140mm**

MINIMUM SPACE Ø3490 X 2730 HIGH



**CONSTRUCTIONAL SPACE
REQUIREMENTS Ø10 METERS**

**ENSURE FINISHED SURFACE
IS LEVEL & NOT LAID TO FALLS**

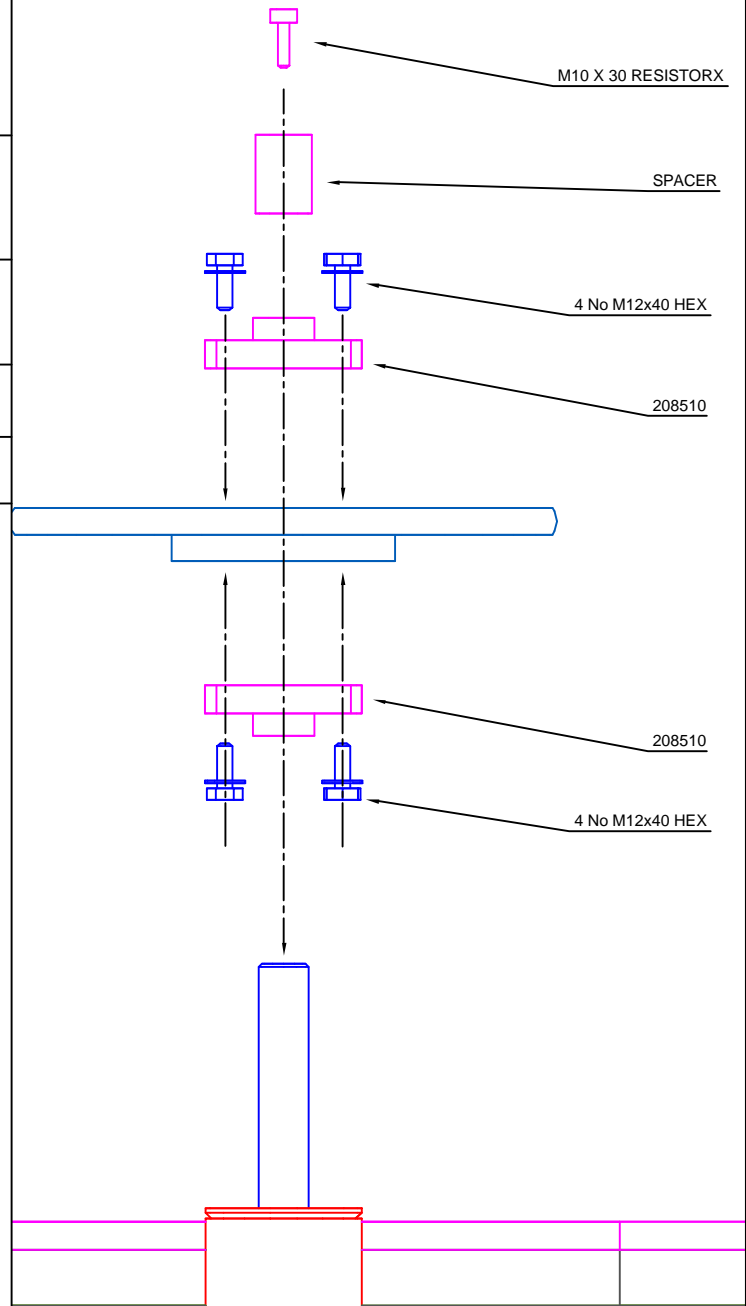


INSTALLATION SEQUENCE

STEP	DESCRIPTION & DETAILS
1	EXCAVATE FOUNDATION & SET INTO GROUND AS INDICATED ROUNDABOUT BASE & SPINDLE UNIT (208050) WITH 0.25m³ @ 4:2:1 MIX. ENSURE SPINDLE IS VERTICAL & LEVEL Allow 60 hours for concrete to cure
2	Fit BOTTOM BEARING (208510) to PLATFORM (208020) with 4 No M12 X 40 Hex HT 'wedge lock' bolts c/w shake proof washers (see note 1). Lower platform assembly onto spindle unit.
	Fit TOP BEARING (208510) to platform with 4 No M12 X 40 hex. HT 'wedge lock' bolts c/w shake proof washers (see note 1). When tightening down bearing do not place any weight on the platform (<i>do not kneel on platform</i>) and ensure platform is level.
4	Fit SPACER to spindle using M10 x 30 resistorx bolt.
5	Fit SPINNER HANDRAIL (208125) to platform using 4 No M12 X 30 Resistorx bolts

NOTES:

- ENSURE BOTH BEARINGS ARE TIGHTENED TO 110Nm(801bf ft) AND METHOD OF TIGHTENING IS DIAGONAL.
- EN 1176 PART 5: GROUND CLEARANCE AT PERIMETER FROM UNDERSIDE OF PLATFORM TO GROUND LEVEL 60-110mm WHICH IS MAINTAINED FOR AT LEAST 300mm TOWARDS THE AXIS.**
- THE FREE SPACE FOR RP445 SPINNER ROUNDABOUT IS Ø3.49m.
- FOUNDATION DETAIL IS ASSUMING GOOD GROUND CONDITIONS '**CARE SHOULD BE TAKEN CONCERNING ABNORMAL GROUND CONDITIONS**'.
- CHECK TIGHTNESS OF BOLTS FOLLOWING A 2 WEEK RUN IN PERIOD.
- REPLACEMENT COMPONENTS MUST COMPLY WITH RECORD PLAYGROUND EQUIPMENT LTD SPECIFICATIONS
- TOUCH-UP ANY DAMAGED PAINT WORK AS REQUIRED USING READY MIXED PAINT SUPPLIED.

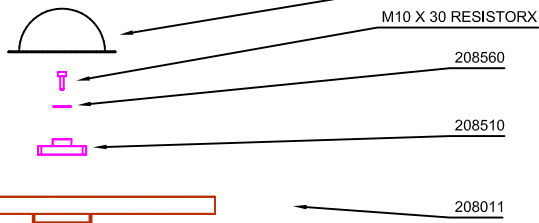
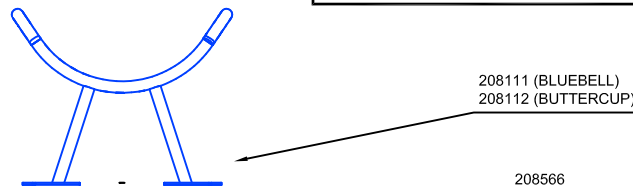




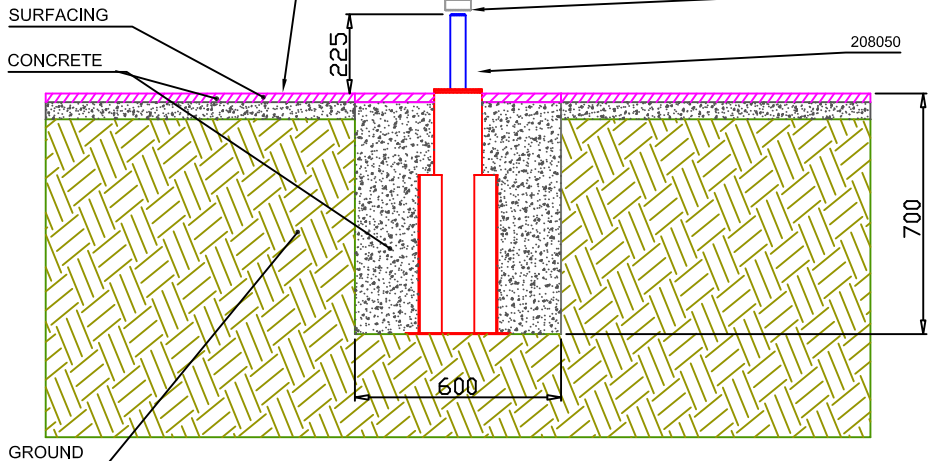
RP408 BLUEBELL
FREE HEIGHT OF FALL 415mm
MINIMUM SPACE Ø4900 X 2890 HIGH



RP409 BUTTERCUP
FREE HEIGHT OF FALL 435mm
MINIMUM SPACE Ø4900 X 2650 HIGH



ENSURE FINISHED SURFACE IS LEVEL & NOT LAID TO FALLS

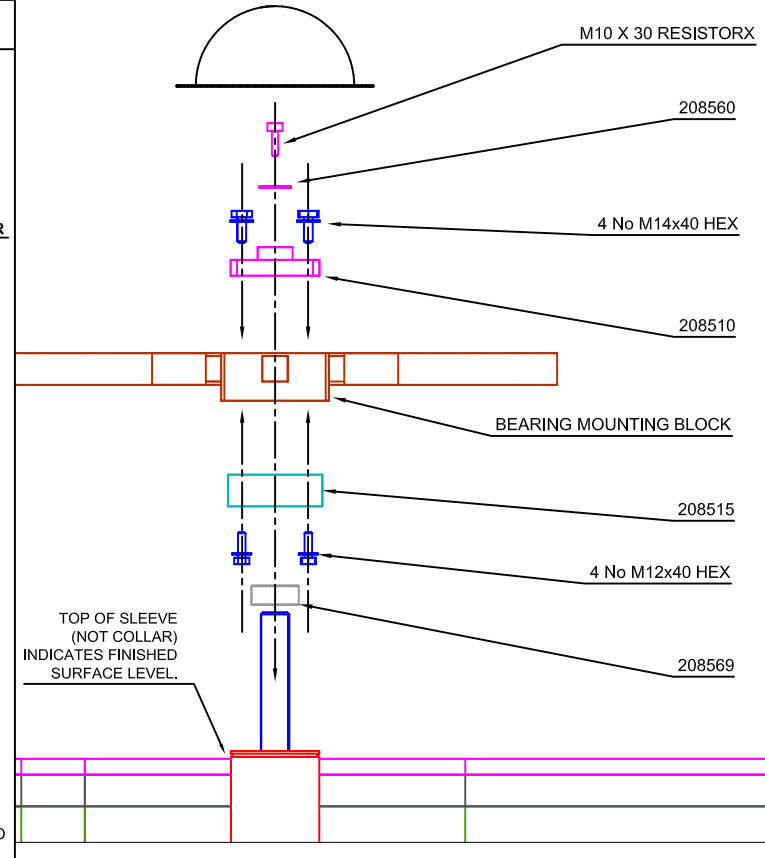
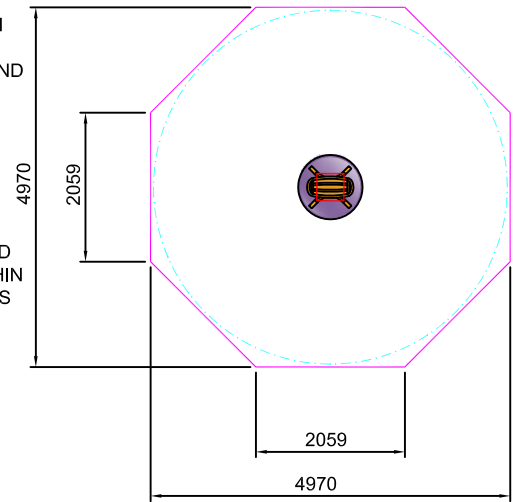


INSTALLATION SEQUENCE	
STEP	DESCRIPTION & DETAILS
1	EXCAVATE FOUNDATION & SET INTO GROUND AS INDICATED ROUNDABOUT BASE & SPINDLE UNIT (208050), TOP OF SLEEVE (NOT COLLAR) IS TO FINISHED SURFACE LEVEL , WITH 0.25m ² @ 4:2:1 MIX. ENSURE SPINDLE IS VERTICAL & LEVEL Allow 60 hours for concrete to cure
2	Fit COMBINED BOTTOM BEARING & SPEED RESTRICTOR (208515) to 0.9m PLATFORM (208011) with 4 No M12 X 40 Hex HT 'wedge lock' bolts c/w shake proof washers (see note 1). Lower platform assembly onto spindle unit ensuring Shaft Sleeve (208569) is in position on the shaft.
3	Fit TOP BEARING (208510) to platform with 4 No M14 X 40 hex. HT 'wedge lock' bolts c/w shake proof washers (see note 1). When tightening down bearing do not place any weight on the platform (<i>do not kneel on platform</i>) and ensure platform is level.
4	Fit BEARING LOCK PLATE (208560) to spindle using M10 x 30 resistorx bolt.
5	Fit DUST COVER (208566) to platform using 4 No M10 X 30 Resistorx bolts.
6	Fit HANDRAIL to platform using 8 No M12 X 30 Resistorx bolts.

- NOTES:**
- ENSURE BOTH BEARINGS ARE TIGHTENED TO 110Nm(801bf ft) AND METHOD OF TIGHTENING IS DIAGONAL.
NOTE:-ROTATE ROUNDABOUT 20 TIMES TO BED IN BEARINGS PRIOR TO FIRST USE
 - EN 1176 PART 5: GROUND CLEARANCE AT PERIMETER FROM UNDERSIDE OF PLATFORM TO GROUND LEVEL 60-110mm WHICH IS MAINTAINED FOR AT LEAST 300mm TOWARDS THE AXIS.
 - THE FREE SPACE/FALLING SPACE FOR Ø0.9m ROUNDABOUTS Ø4.9m
 - CONSTRUCTIONAL SPACE REQUIREMENTS Ø10 METRES
 - FOUNDATION DETAIL IS ASSUMING GOOD GROUND CONDITIONS 'CARE SHOULD BE TAKEN CONCERNING ABNORMAL GROUND CONDITIONS'.
 - CHECK TIGHTNESS OF BOLTS FOLLOWING A 2 WEEK RUN IN PERIOD.
 - REPLACEMENT COMPONENTS MUST COMPLY WITH RECORD PLAYGROUND EQUIPMENT LTD SPECIFICATIONS
 - ENSURE LEVEL SURFACE ON ALL EQUIPMENT
 - WARNING-SOME OF THESE COMPONENTS MAY EXCEED THE SINGLE PERSONS LIFTING ALLOWANCE.
 - ENSURE EQUIPMENT IS PROTECTED FROM USAGE THROUGHOUT INSTALLATION, MAINTENANCE & REPAIR PERIODS.
 - TOUCH-UP ANY DAMAGED PAINT WORK AS REQUIRED USING READY MIXED PAINT SUPPLIED.

SETTING OUT AND WETPOUR SAFER SURFACING DETAIL IN ACCORDANCE WITH EN1176-7, PLAYGROUND EQUIPMENT.

ENSURE THE FINISHED SURFACE LEVEL WITHIN THE FALLING SPACE IS NOT LAID TO FALLS.



Installation Instruction For:-

0.9 METER DIAMETER ROUNDABOUTS

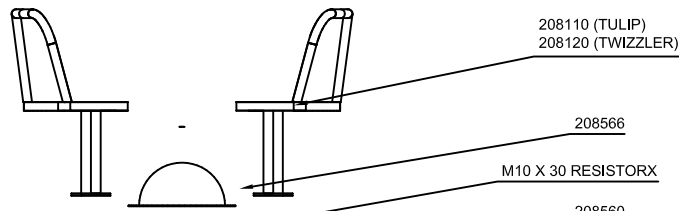
REF	ISSUE	DATE
IN409	B	17/09/09



RP440 TWIZZLER ROUNDABOUT USES
208120 HANDRAIL
FREE HEIGHT OF FALL 450mm
MINIMUM SPACE Ø5200 X 2600 HIGH

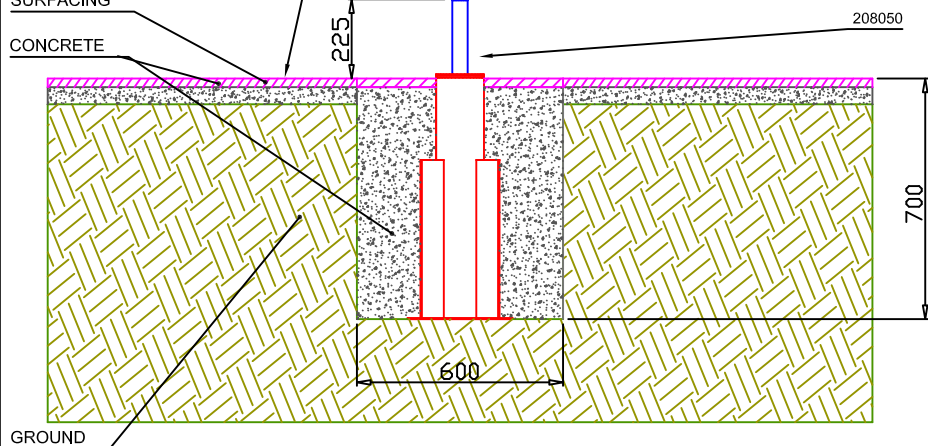


RP424 TULIP ROUNDABOUT USES
208110 HANDRAIL.
FREE HEIGHT OF FALL 135mm
MINIMUM SPACE Ø5200 X 2795 HIGH



ENSURE FINISHED SURFACE IS LEVEL & NOT LAID TO FALLS

SURFACING
CONCRETE



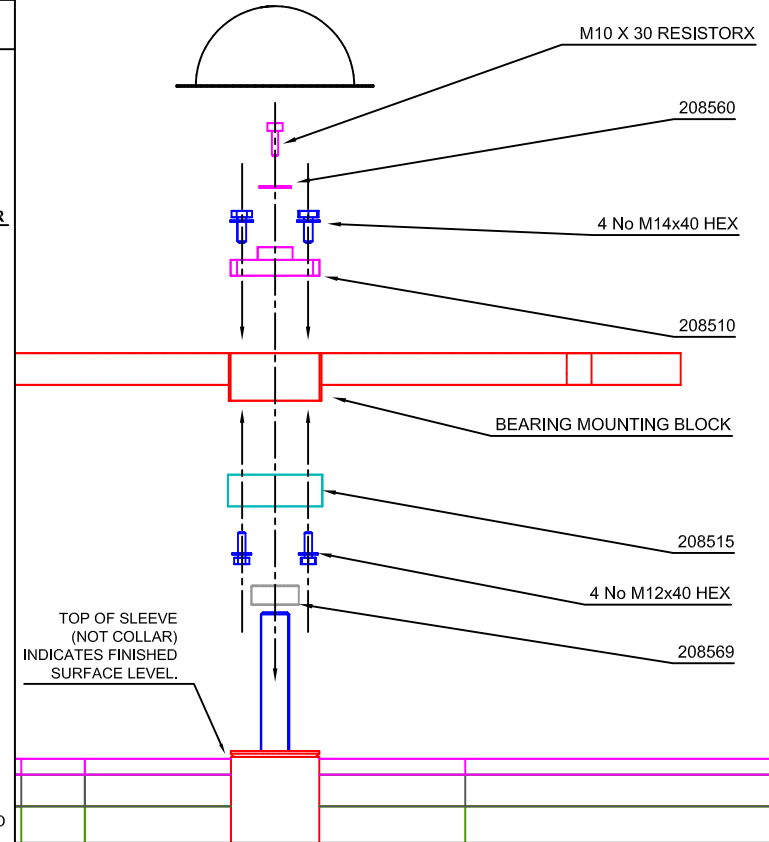
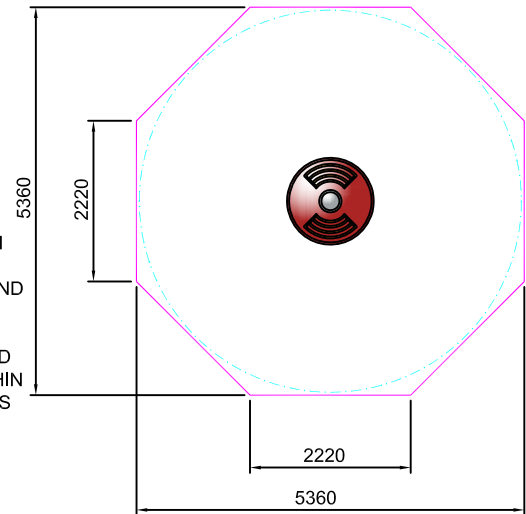
GROUND

INSTALLATION SEQUENCE	
STEP	DESCRIPTION & DETAILS
1	EXCAVATE FOUNDATION & SET INTO GROUND AS INDICATED ROUNDABOUT BASE & SPINDLE UNIT (208050), TOP OF SLEEVE (NOT COLLAR) IS TO FINISHED SURFACE LEVEL , WITH 0.25m ² @ 4:2:1 MIX. ENSURE SPINDLE IS VERTICAL & LEVEL Allow 60 hours for concrete to cure
2	Fit COMBINED BOTTOM BEARING & SPEED RESTRICTOR (208515) to 1.2m PLATFORM (208001) with 4 No M12 X 40 Hex HT 'wedge lock' bolts c/w shake proof washers (see note 1). Lower platform assembly onto spindle unit ensuring Shaft Sleeve (208569) is in position on the shaft.
3	Fit TOP BEARING (208510) to platform with 4 No M14 X 40 hex. HT 'wedge lock' bolts c/w shake proof washers (see note 1). When tightening down bearing do not place any weight on the platform (<i>do not kneel on platform</i>) and ensure platform is level.
4	Fit BEARING LOCK PLATE (208560) to spindle using M10 x 30 resistorx bolt.
5	Fit DUST COVER (208566) to platform using 4 No M10 X 30 Resistorx bolts.
6	Fit HANDRAIL to platform using 8 No M12 X 30 Resistorx bolts.

- NOTES:**
1: ENSURE BOTH BEARINGS ARE TIGHTENED TO 110Nm(801bf ft) AND METHOD OF TIGHTENING IS DIAGONAL.
NOTE:-ROTATE ROUNDABOUT 20 TIMES TO BED IN BEARINGS PRIOR TO FIRST USE
- 2: EN 1176 PART 5: GROUND CLEARANCE AT PERIMETER FROM UNDERSIDE OF PLATFORM TO GROUND LEVEL 60-110mm WHICH IS MAINTAINED FOR AT LEAST 300mm TOWARDS THE AXIS.**
- 3: THE FREE SPACE/FALLING SPACE FOR 1.2m ROUNDABOUTS Ø5.2m**
- 4: CONSTRUCTIONAL SPACE REQUIREMENTS Ø10 METRES**
- 5: FOUNDATION DETAIL IS ASSUMING GOOD GROUND CONDITIONS **'CARE SHOULD BE TAKEN CONCERNING ABNORMAL GROUND CONDITIONS'**.
- 6: CHECK TIGHTNESS OF BOLTS FOLLOWING A 2 WEEK RUN IN PERIOD.
- 7: REPLACEMENT COMPONENTS MUST COMPLY WITH RECORD PLAYGROUND EQUIPMENT LTD SPECIFICATIONS
- 8: ENSURE LEVEL SURFACE ON ALL EQUIPMENT
- 9: WARNING-SOME OF THESE COMPONENTS MAY EXCEED THE SINGLE PERSONS LIFTING ALLOWANCE.
- 10: ENSURE EQUIPMENT IS PROTECTED FROM USAGE THROUGHOUT INSTALLATION, MAINTENANCE & REPAIR PERIODS.
- 11: TOUCH-UP ANY DAMAGED PAINT WORK AS REQUIRED USING READY MIXED PAINT SUPPLIED.

SETTING OUT AND WETPOUR SAFER SURFACING DETAIL IN ACCORDANCE WITH EN1176-7, PLAYGROUND EQUIPMENT.

ENSURE THE FINISHED SURFACE LEVEL WITHIN THE FALLING SPACE IS NOT LAID TO FALLS.



Installation Instruction For:-

1.2 METER DIAMETER ROUNDABOUTS

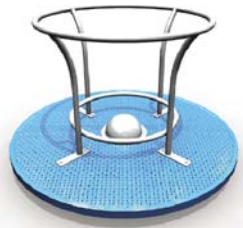
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IN412	H	17/09/09



Record RSS Ltd.
Waterfront Complex, Shipyard Industrial Estate,
Selby, North Yorkshire, YO8 8AP.
Tel 01757 703620 Fax 01757 705158.



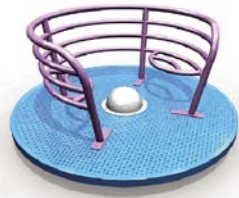
KM27563



RP415 SNOWDROP ROUNDABOUT
USES 208105 HANDRAIL

FREE HEIGHT OF FALL 290mm

MINIMUM SPACE Ø5500 X 2910 HIGH



RP417 WALTZER ROUNDABOUT
USES 208113 HANDRAIL

FREE HEIGHT OF FALL 400mm

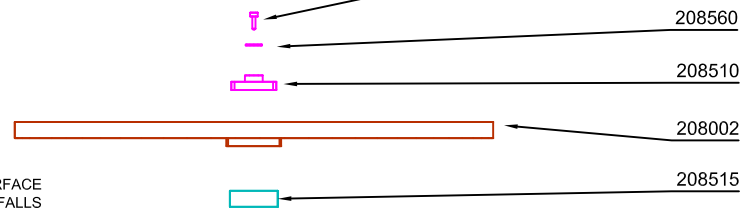
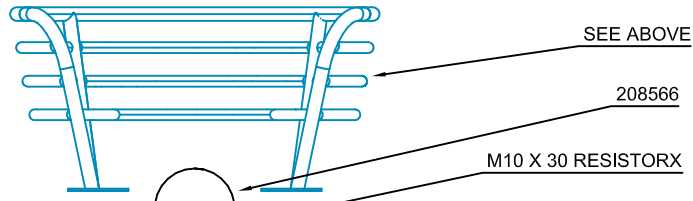
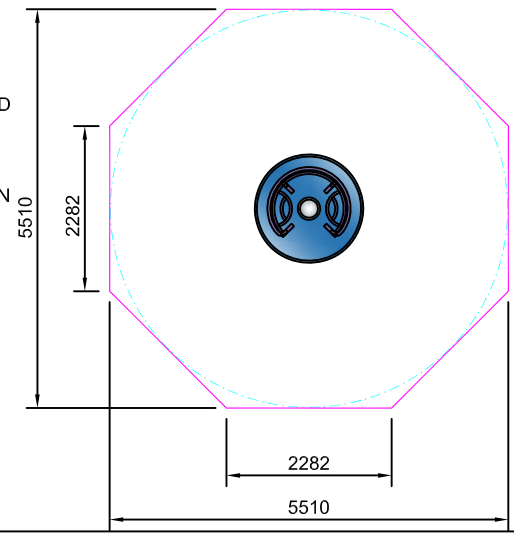
MINIMUM SPACE Ø5500 X 2710 HIGH

INSTALLATION SEQUENCE

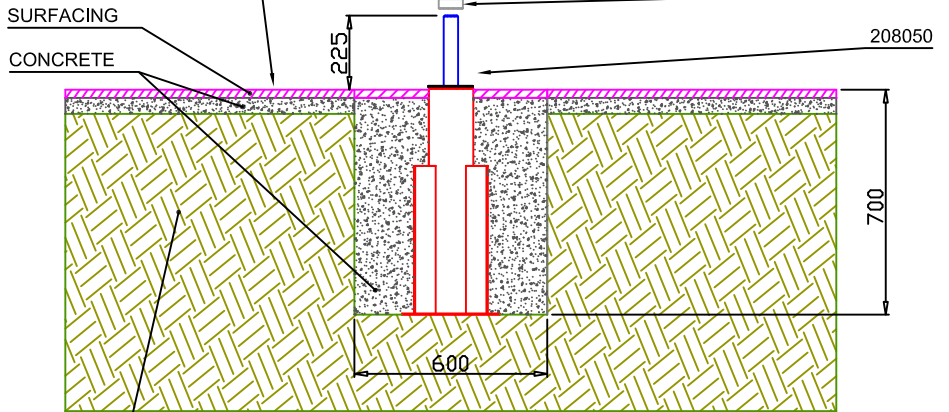
STEP	DESCRIPTION & DETAILS
1	EXCAVATE FOUNDATION & SET INTO GROUND AS INDICATED ROUNDABOUT BASE & SPINDLE UNIT (208050). FINISHED SURFACE LEVEL IS TO SLEEVE OF SPINDLE, WITH 0.25m³ @ 4:2:1 MIX. ENSURE SPINDLE IS VERTICAL & LEVEL Allow 60 hours for concrete to cure
2	Fit COMBINED BOTTOM BEARING & SPEED RESTRICTOR (208515) to 1.5m PLATFORM (208002) with 4 No M12 X 40 Hex HT 'wedge lock' bolts c/w shake proof washers (see note 1). Lower platform assembly onto spindle unit ensuring Shaft Sleeve (208569) is in position on the shaft.
3	Fit TOP BEARING (208510) to platform with 4 No M14 X 40 hex. HT 'wedge lock' bolts c/w shake proof washers (see note 1). When tightening down bearing do not place any weight on the platform (do not kneel on platform) and ensure platform is level.
4	Fit BEARING LOCK PLATE (208560) to spindle using M10 x 30 resistorx bolt.
5	Fit DUST COVER (208564) to platform using 4 No M10 X 30 Resistorx bolts.
6	Fit HANDRAIL to platform using 8 No M12 X 30 Resistorx bolts

SETTING OUT AND WETPOUR SAFER SURFACING DETAIL IN ACCORDANCE WITH EN1176-7, PLAYGROUND EQUIPMENT.

ENSURE THE FINISHED SURFACE LEVEL WITHIN THE FALLING SPACE IS NOT LAID TO FALLS.



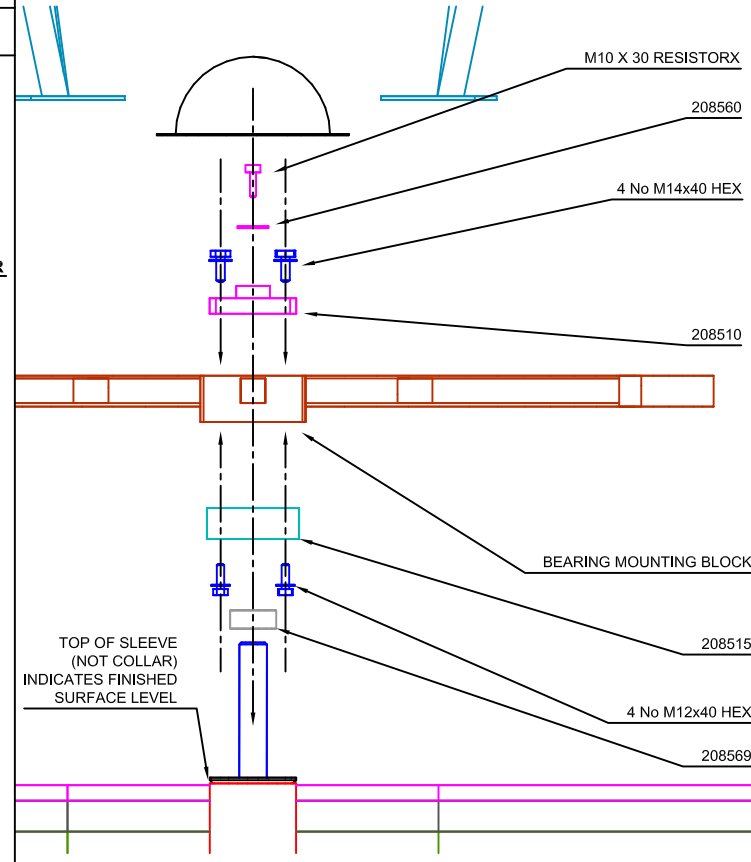
ENSURE FINISHED SURFACE IS LEVEL & NOT LAID TO FALLS



GROUND

NOTES

- ENSURE BOTH BEARINGS ARE TIGHTENED TO 110Nm(801bf ft) AND METHOD OF TIGHTENING IS DIAGONAL.
NOTE: ROTATE ROUNDABOUT 20 TIMES TO BED IN BEARINGS PRIOR TO FIRST USE
- EN 1176 PART 5: GROUND CLEARANCE AT PERIMETER FROM UNDERSIDE OF PLATFORM TO GROUND LEVEL 60-110mm WHICH IS MAINTAINED FOR AT LEAST 300mm TOWARDS THE AXIS.**
- THE FREE SPACE/FALLING SPACE FOR 1.5m ROUNDABOUTS Ø5.5m**
- CONSTRUCTIONAL SPACE REQUIREMENTS Ø10 METRES**
- FOUNDATION DETAIL IS ASSUMING GOOD GROUND CONDITIONS '**CARE SHOULD BE TAKEN CONCERNING ABNORMAL GROUND CONDITIONS**'.
- CHECK TIGHTNESS OF BOLTS FOLLOWING A 2 WEEK RUN IN PERIOD.
- REPLACEMENT COMPONENTS MUST COMPLY WITH RECORD PLAYGROUND EQUIPMENT LTD SPECIFICATIONS
- ENSURE LEVEL SURFACE ON ALL EQUIPMENT
- WARNING-SOME OF THESE COMPONENTS MAY EXCEED THE SINGLE PERSONS LIFTING ALLOWANCE.
- ENSURE EQUIPMENT IS PROTECTED FROM USAGE THROUGHOUT INSTALLATION, MAINTENANCE & REPAIR PERIODS.
- TOUCH-UP ANY DAMAGED PAINT WORK AS REQUIRED USING READY MIXED PAINT SUPPLIED.



Installation Instruction For:-

1.5 METER DIAMETER ROUNDABOUTS

REF	ISSUE	DATE
IN415	B	17/09/09



RP446 KIDDI-RIDE ROUNDABOUT
USES 208105 HANDRAIL

FREE HEIGHT OF FALL 450mm

MINIMUM SPACE Ø5800 X 2855 HIGH



RP416 DAFFODIL ROUNDABOUT
USES 208100 HANDRAIL

FREE HEIGHT OF FALL 140mm

MINIMUM SPACE Ø5800 X 2895 HIGH



RP426 CROWN ROUNDABOUT
USES 208130 HANDRAIL

FREE HEIGHT OF FALL 140mm

MINIMUM SPACE Ø5800 X 2950 HIGH



RP446 KIDDI-RIDE ROUNDABOUT
USES 208115 HANDRAIL

FREE HEIGHT OF FALL 450mm

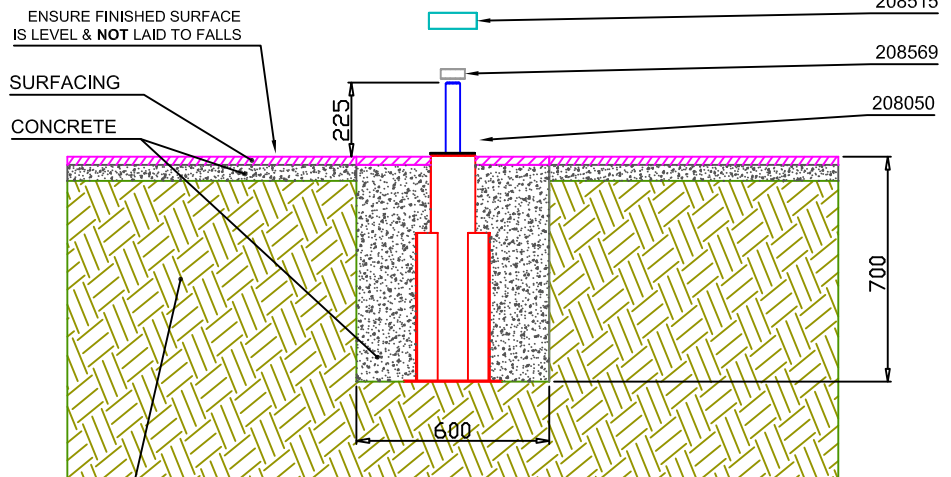
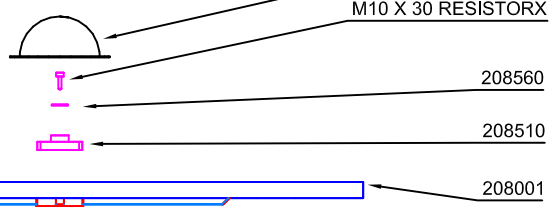
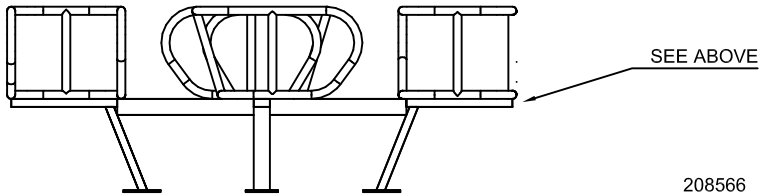
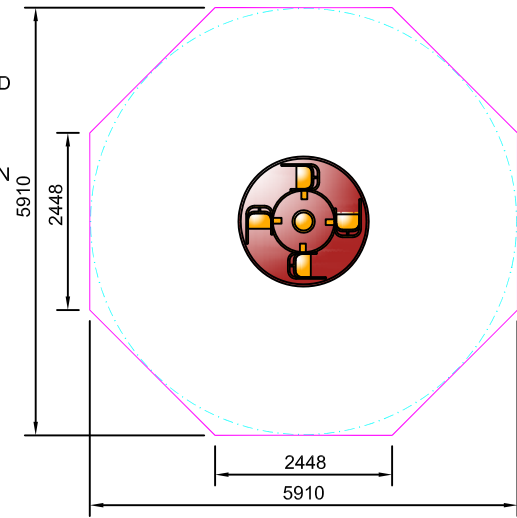
MINIMUM SPACE Ø5800 X 2710 HIGH

INSTALLATION SEQUENCE

STEP	DESCRIPTION & DETAILS
1	EXCAVATE FOUNDATION & SET INTO GROUND AS INDICATED ROUNDABOUT BASE & SPINDLE UNIT (208050), FINISHED SURFACE LEVEL IS TO SLEEVE OF SPINDLE, WITH 0.25m³ @ 4:2:1 MIX. ENSURE SPINDLE IS VERTICAL & LEVEL Allow 60 hours for concrete to cure
2	Fit COMBINED BOTTOM BEARING & SPEED RESTRICTOR (208515) to 1.8m PLATFORM (208001) with 4 No M12 X 40 Hex HT 'wedge lock' bolts c/w shake proof washers (see note 1). Lower platform assembly onto spindle unit ensuring Shaft Sleeve (208569) is in position on the shaft..
3	Fit TOP BEARING (208510) to platform with 4 No M14 X 40 hex. HT 'wedge lock' bolts c/w shake proof washers (see note 1). When tightening down bearing do not place any weight on the platform (<i>do not kneel on platform</i>) and ensure platform is level.
4	Fit BEARING LOCK PLATE (208560) to spindle using M10 x 30 resistorx bolt.
5	Fit DUST COVER (208564) to platform using 4 No M10 X 30 Resistorx bolts.
6	Fit HANDRAIL to platform using 8 No M12 X 30 Resistorx bolts

SETTING OUT AND WETPOUR SAFER SURFACING DETAIL IN ACCORDANCE WITH EN1176-7, PLAYGROUND EQUIPMENT.

ENSURE THE FINISHED SURFACE LEVEL WITHIN THE FALLING SPACE IS NOT LAID TO FALLS.



NOTES

- 1: ENSURE BOTH BEARINGS ARE TIGHTENED TO 110Nm(801bf ft) AND METHOD OF TIGHTENING IS DIAGONAL.
NOTE: ROTATE ROUNDABOUT 20 TIMES TO BED IN BEARINGS PRIOR TO FIRST USE
- 2: EN 1176 PART 5: GROUND CLEARANCE AT PERIMETER FROM UNDERSIDE OF PLATFORM TO GROUND LEVEL 60-110mm WHICH IS MAINTAINED FOR AT LEAST 300mm TOWARDS THE AXIS.
- 3: THE FREE SPACE/FALLING SPACE FOR 1.8m ROUNDABOUTS Ø5.8m
- 4: CONSTRUCTIONAL SPACE REQUIREMENTS Ø10 METRES
- 5: FOUNDATION DETAIL IS ASSUMING GOOD GROUND CONDITIONS 'CARE SHOULD BE TAKEN CONCERNING ABNORMAL GROUND CONDITIONS'.
- 6: CHECK TIGHTNESS OF BOLTS FOLLOWING A 2 WEEK RUN IN PERIOD.
- 7: REPLACEMENT COMPONENTS MUST COMPLY WITH RECORD PLAYGROUND EQUIPMENT LTD SPECIFICATIONS
- 8: ENSURE LEVEL SURFACE ON ALL EQUIPMENT
- 9: WARNING-SOME OF THESE COMPONENTS MAY EXCEED THE SINGLE PERSONS LIFTING ALLOWANCE.
- 10: ENSURE EQUIPMENT IS PROTECTED FROM USAGE THROUGHOUT INSTALLATION, MAINTENANCE & REPAIR PERIODS.
- 11: TOUCH-UP ANY DAMAGED PAINT WORK AS REQUIRED USING READY MIXED PAINT SUPPLIED.

