

SWINGS - 1 Seat Cradle Swing SW10

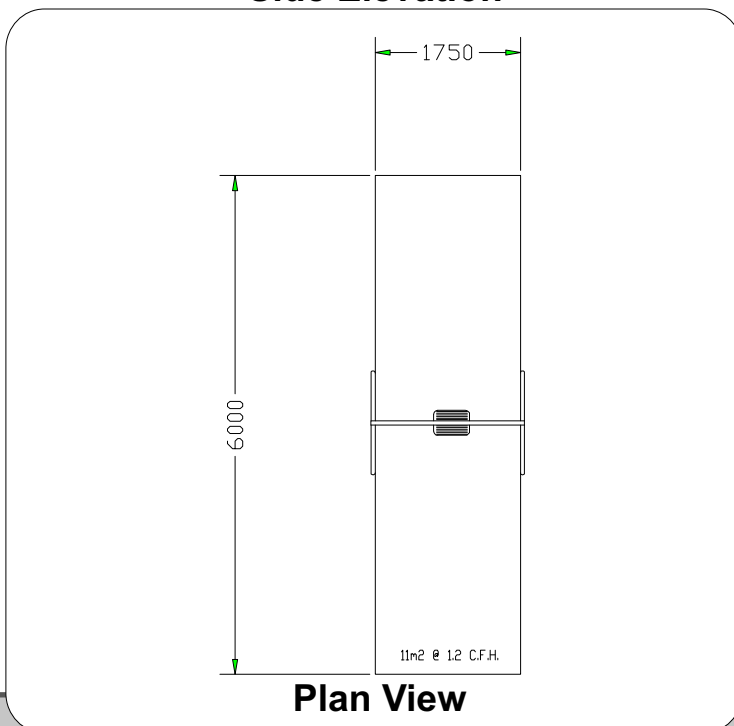


✓ All Play & Leisure's product range is fully compliant with **BS EN 1176:2008**

Technical AT-A-GLANCE

Product Code	SW10
Equipment Size	2020L x 1250W x 1800H
Minimum Space	6000 x 1750
Free Height of Fall	1200
Safety Surface Area	11m ²

Side Elevation



Plan View



Material & Product Details

Steel sections are all mild steel to the relevant BS EN steel standards

Chains are 8mm short link sherardised mild steel

Fixings are mostly BZP, high tensile steel, hex head bolts with washers and Nyloc nuts

Coatings

All steel equipment made by Play & Leisure is shotblasted to SA 2.5 before a 60-micron thick epoxy based zinc phosphate primer is applied and finally a 70 micron thick coating of polyester powder.



All Play & Leisure Ltd's equipment & surfacing complies to BS EN 1176 parts 1-10, BS EN 1177 and BS EN 15312. Equipment is guaranteed for 25 years against structural failure.

Approx Packaged Dims LxWxH (m)	Approx Weight (kg)	Approx Concrete Required (m3)	Approx Install Time
3.2 x 1.0 x 0.5	114	0.5	2 men @ 4 hours

Installation Instructions

1. Excavate area for the surfacing as shown in figure 1
2. Excavate holes for ground fixing as per figure 2, legs into the excavated holes, ensuring outside edge indicators are facing away from the swing bay
3. Assemble crossbar and legs as per figure 3 and check level in all directions (ensure fixings are only finger tight at this stage)
4. Pour in approx 0.5m³ (across the 4 excavated holes) low slump concrete and vibrate down with vibrating poker, check levels again before allowing concrete to cure.
5. Leave for 7 days before fitting chains to ensure concrete is fully cured

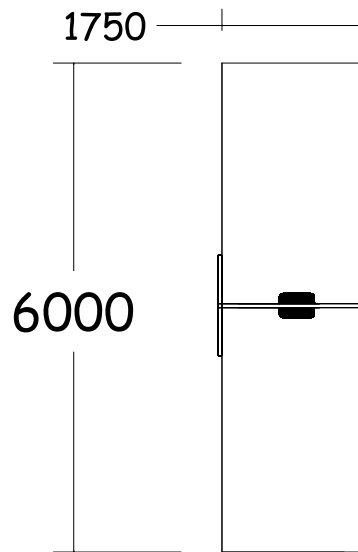
Do not leave unattended until satisfied the concrete has cured or the site is secure

Return Visit

It is advised at this stage that the M12 Oilite bushing (P) is inserted into the anti wrap triangular bracket (M), however please take note of the order the shackles are assembled before disassembly, and ensure the oilite bearing stays located until it is mechanically fixed in place.

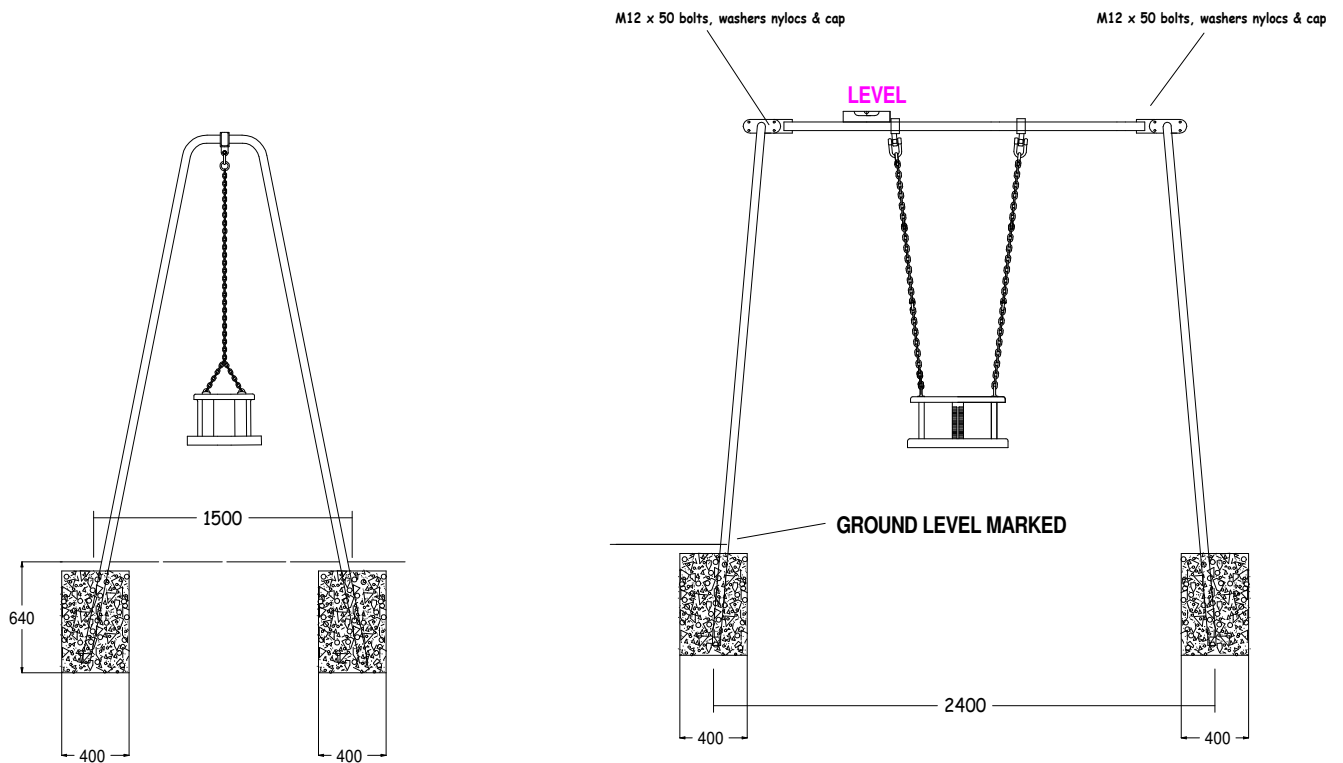
1. Attach anti wrap bearing brackets to the located nylon sleeves as shown in figure 5. Ensure anti wrap fixings are tightened, but allow the brackets to move freely in both axis of operation.
2. Attach swing chain to anti wrap bracket using 'D' shackles (R) as per figure 5, ensuring fittings are in the same order as they come pre assembled. Do not over tighten shackles, ensuring they move freely when tightened.
3. Ensure all fastenings are tightened and swing is fully operational, with a minimum ground clearance of 350mm at rest (no maximum seat to surface height is specified)

Surfacing Plan (fig. 1)

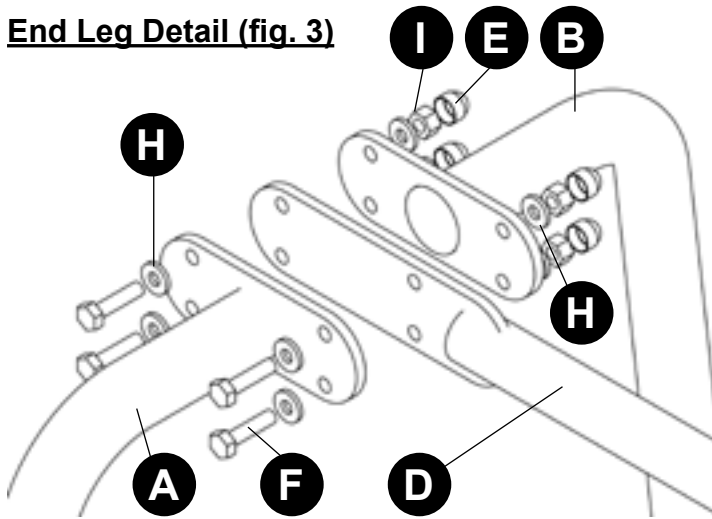


Surfacing Required (m2)	Critical Fall Height (m)
11	1.2

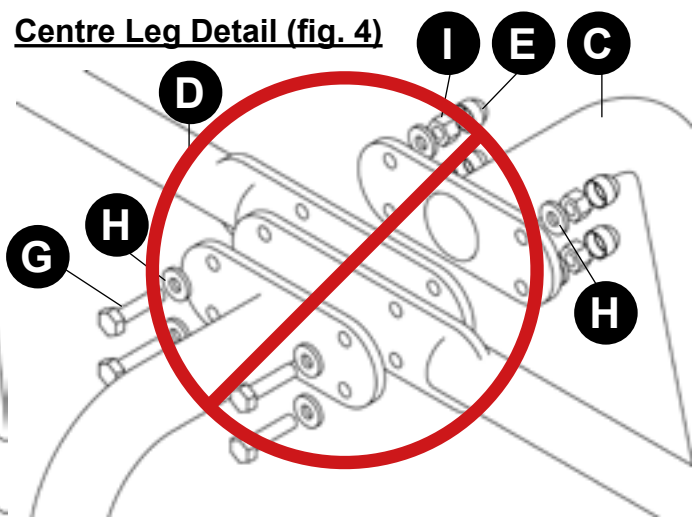
Foundation Detail (fig. 2)



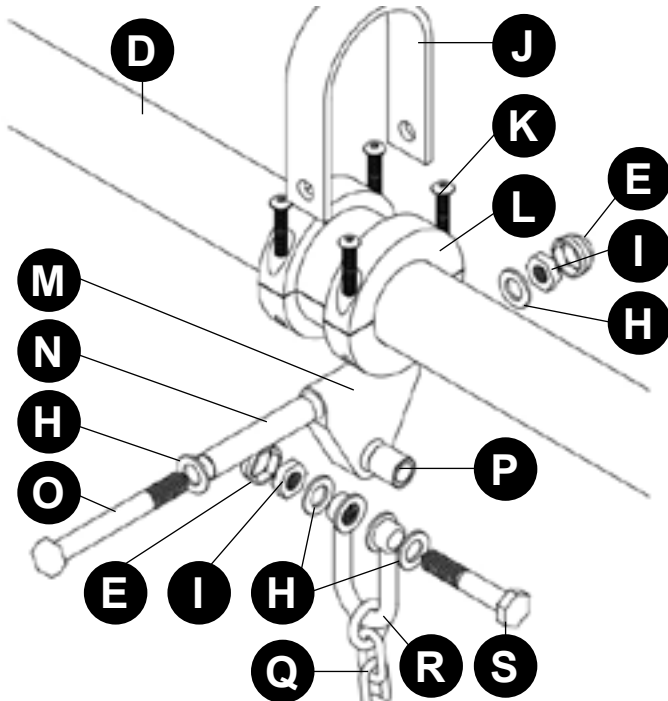
End Leg Detail (fig. 3)



Centre Leg Detail (fig. 4)



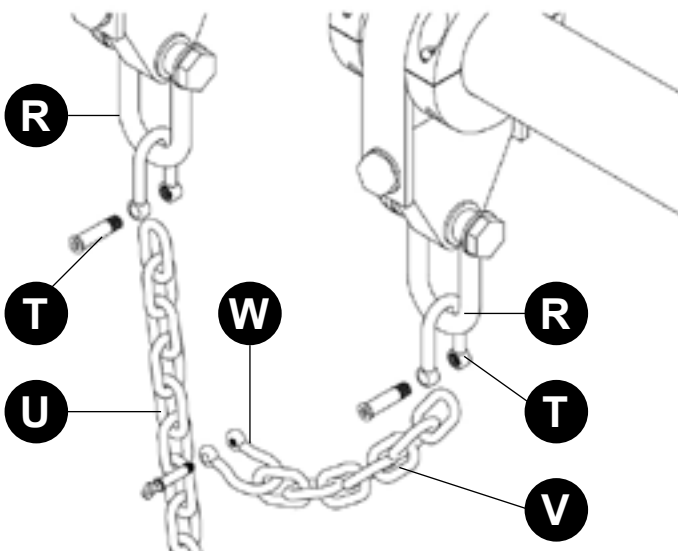
Anti-Wrap Detail - Cradle/Flat Seat (fig. 5)



Component List

Ref	Part Description	Part No.	Qty
A	Side Leg (LH)		2
B	Side Leg (RH)		2
C	Centre Leg		NIL
D	Crossbar		1
E	M12 Bolt Cap	9014	8
F	M12 x 50 Bolt	9133	8
G	M12 x 60 Bolt	9137	NIL
H	M12 Washer	9012	16
I	M12 Nyloc Nut	9013	8
J	Anti-wrap U Bracket	9108	2
K	M8 x 40 Resistorx Bolt (pre assembled with 'D' & 'L')	9023	8
L	Nylon Sleeve (pre attached to 'D')	9153-50	2
M	Anti-Wrap Triangular Bracket	9107	2
N	Anti-Wrap Sleeve	9124	2
O	M12 x 110 Bolt	9024	2
P	M12 Oilite Bush	9093	2
Q	Swing Chains (assembled with seats)	9025C-6	1
R	M12 Galv 'D' Shackle	9103	2
S	M12 x 70 Bolt	9015	2
T	M10 Stainless Shackle & Bolt	9092	NIL
U	Basket Swing Chains (assembled with basket)	9123	NIL
V	8mm Safety Chains (set of 2)	9153	NIL
W	M6 Shackle	9135	NIL

Basket Swing Detail (fig. 6)



Maintenance Schedule

Maintenance & Inspection

All Play & Leisure's products should be inspected and maintained in accordance with the recommendations as detailed in BS EN 1176-7:2008

If any part of the equipment is found to be unsafe during an inspection and cannot be immediately rectified the equipment should be protected against further use.

Routine Visual Inspection

Routine visual inspections are to be conducted to identify obvious hazards resulting from vandalism, use or weather conditions. e.g. Hazards such as broken parts or broken bottles.

Operational Inspection

To reduce accidents the operator should ensure an appropriate routine maintenance schedule is established, implemented and maintained. Inspection shall be carried out on a monthly basis, although consideration should be taken regarding local conditions and usage.

During an operational inspection the following should be included:

- Tightening of fastenings.
- Re-painting and re-treatment of surfaces.
- Maintenance of any impact attenuating surfaces.
- Lubrication of bearings.
- Marking of equipment to signify loose fill finished surface levels.
- Cleaning.
- Removal of broken glass and other debris or contaminants.
- Restoring loose fills to the correct level.
- Maintenance of free space areas.

Annual Main Inspection (NOT EXCEEDING 12 MONTHS)

Inspection intended to establish the overall level of safety of equipment, foundation and playing surfaces.

- 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/replaced components

One Post Equipment Maintenance

Special attention should be paid to the stability of products being of a one post design.

Corrective Maintenance

Corrective maintenance should include measures to correct defects, or to establish the necessary levels of safety of the playground equipment and surfaces. Such measures should include:

- Replacement of fastenings.
- Welding or welding repairs.
- Replacement of worn or defective parts.
- Replacement of defective structural components.

Equipment Alterations

Alterations to parts of any products that could affect the essential safety of the equipment should only be carried out after consultation with Play and Leisure.

Equipment Identification

Information regarding the manufacturer, I.D. Number, year of manufacturer and the European Standard is displayed on an identification plaque.