

GENERAL SAFETY INSTRUCTIONS

Congratulations on the purchase of this Jungle Gym® Do It Yourself kit. With this Jungle Gym® kit we are confident that you will be able to build a safe play set that will provide pleasure for your children for many years.

Jungle Gym® kits contain specially developed hardware. This material is designed with great care and with the safety of your children as a first matter of importance. The hardware has no sharp angles or protruding parts and is protected against all kinds of weather. All the parts in the kits are designed according to the EN 71-1, 2 & 8 (European Safety Standard) for private use, on the condition that the playground equipment is assembled and used properly in accordance with the manual. Do not deviate from these plans or alter the design.

This product is intended for family domestic use only. Use in a public setting such as a park, playground or school is a misuse of the product and may result in premature wear and also serious injury.

Carefully read these assembly instructions before you start with the assembly and save these instructions for future reference.

SAFETY INSTRUCTIONS

Choice of timber

- The quality of your set will depend greatly on the quality of the timber that you buy. The money you save on lower quality wood will be lost quickly in aggravation while building and will result in a less attractive and satisfying finished product.
- Buy wood which does not have the centre inside and is free of cracks, otherwise there is a possibility that installed hardware can become loose or fall out.
- The top beam that supports the swings should be picked with extra care. You can test the integrity of the beam by laying it with both ends on for example two crates. Let someone help you to balance and then jump up approximately 4" (10 cm). The caused impact on the beam is approximately the same as an applied weight of 200 Kg. If the beam does not break or crack, it is suited as a top beam. A slight bending of the beam is normal. Be careful not to cause personal injury.
- Hardwood will give a higher level of resistance against insect damage and wood rot than soft wood. Soft wood should always be treated before use outside. The following timber is suited for building your play set:
 - Timber with a natural resistance against wood rot and insect damage, e.g. Larix, Robinia, tropical hardwood, European hardwood, oak, chestnut, red cedar, red wood.
 - Pressure treated timber.Check with your timber dealer for rot and insect resistant species.
- Treat all sawed surfaces and ends with an outdoor wood preservative to prevent the wood from rotting; even when pressure treated wood is being used.
- Pay extra attention to parts that make contact with the ground.
- Treat all counter sunk holes and holes for the Rope ladder or Climbing rope with stain.

Safe play area

- The safe play area refers to a zone extending 6' (200 cm) beyond the play set on all sides.
- The safe play area must be free of all structures, fences, garage, house, overhanging branches, laundry lines, electrical wires and other obstacles to ensure safe play.
- Do not situate your play set in the direction of walks or gangways.
- The ground surface must be level. Installing your play set on sloping ground can cause it to lean or "rack". This leaning puts additional stress on all connections and joints and in time will cause those connections to loosen and fail.
- Remove all tripping hazards such as rocks, stumps, roots etc. from the safe play area.
- Do not install your play set over concrete, gravel, asphalt, packed earth, or any other hard surface. A fall onto a hard surface can result in serious injury.

The following is a list of recommended ground covers.

Suggested material	Minimum uncompressed depth
Double shredded bark mulch	20" (50 cm)
Uniform wood chips	20" (50 cm)
Fine gravel	20" (50 cm)
Fine sand	20" (50 cm)

- Install the ground cover in the safe play zone. Any edging used to contain the ground cover must be beyond the safe play area (Landscape timbers or other edgings).

Safe installation

- Children should stay out of the work area until the safe play area is cleared of obstacles, the play set has been completely installed, all hardware has been tightened and checked, and all tools and other items that don't belong in the play area have been picked up.
- When building this play set, at least two adults are required for lifting and holding beams, frames or other heavy assemblies in position before bolting or screwing.
- Check all the parts and group them systematically within reach. Compare these with the parts list.
- Wear proper clothing and safety equipment (e.g. safety glasses, dust mask and gloves) when you saw, drill, grind, stain or assemble the play set, especially when working with pressure treated timber.
- Follow the manufacturers' safety recommendations for the tools and equipment you use.
- Do not stand on the platform until the play set has been completely assembled; use a stepladder if you can not reach high enough.
- Avoid assembling your gym in poor weather conditions.
- The play set must be securely anchored to prevent the play set from turning over or shoving. If soil conditions permit stakes to be pulled out easily, cementing is required. Be sure that the

ground anchors do not stick out of the ground because children can trip over them.

- After assembly be sure to use a metal saw to cut off any protruding threaded ends of bolts and other fasteners. Remove any sharp edges with a metal file.
- To prevent splinters, sand the wood with a piece of sandpaper. Also smooth all corners with sandpaper or a metal file to a radius of 1/8" (3 mm).
- Do not attach extra items to this gym set, such as ropes, chains, heavy cord or other items.
- Do not combine products of other manufacturers with Jungle Gym® products because they may create safety hazards.
- Only use the Rope Locks™ in combination with Jungle Gym® swing hooks. Do not use the Rope locks™ for other purposes, such as mountain climbing or pulling loads.
- The screw thread of the Swing Hook LS must be screwed into the wood fully and tight against the cross beam. It is important that you align the Swing Hook in the proper position. An improperly installed or misaligned swing hook will break or -pull out and cause injury!
- The distance between swinging accessories (for example a swing seat) and the ground should be at least 14" (35 cm).
- The distance between an accessory and the frame, should be at least 12" (30 cm).
- The distance between the Swing Hooks should be 18" (45 cm).
- The distance between swinging accessories should be 18" (45 cm).
- A Climbing rope or a Rope ladder always has to be secured at both top and bottom, because the free-hanging Rope could cause serious injury or death due to strangulation. Ropes should NOT be capable of looping back on themselves.

INSPECTION AND MAINTENANCE

To ensure the safety of the users of the play set, the play set has to be subjected to the safety inspections mentioned below once at the beginning of each season and further twice monthly during the usage season (p33).

Wood components

- Inspect for splinters and possible other structural defects.
- Maintain the set with periodic applications of exterior wood preservative to prevent wood rot. Do not use paint or other finishes that can cause a slippery surface.

Hardware

- Check all hardware to be sure it is tight. Caution: over-tightened hardware crushes the fibres of the wood resulting in split-boards.
- Check the remaining hardware, brackets and swing hooks also for rust, which can have affect on the strength. Replace when necessary.
- Check the ground anchors to be sure that they are secured. If necessary, reposition or replace.
- Check all coverings for bolts and sharp edges and replace when required.

Accessories (if appropriate)

- Check Rope Locks™ to be sure they are properly installed onto the Jungle Gym® swing hooks. To check the Rope Locks HC, hang with your full bodyweight onto each individual swing rope for a couple of seconds. The Rope Locks SC can be checked by sitting on the accessory with your full bodyweight for a couple of seconds. Replace when necessary. If any squeaking occurs, the Rope Locks HC can be moistened with water or vegetative oil such as olive oil.
- Check swing seats and bars for integrity and check swing ropes for fraying or extreme creation of fibre. To examine the rope, open the strands of the Rope where any fraying has occurred and securely check whether the filaments are broken. Check safety belt of baby swing. Replace when necessary.
- Check the attachment of the slide onto the platform for any openings in which for instance clothing or strings from hooded jackets can get stuck which results in entangling.
- All accessories can be cleaned with warm water and a mild detergent. Heavily dirty slides can be cleaned with a high pressure cleaner. (Be careful not to damage the slide surface and timbers.)

Surface and direct environment

- Check if the shock-absorbing surface isn't compressed too much, loosen if necessary. Fill up any holes, for example under swing seats.
- Check the play set stability.
- Check the environment for direct danger like overhanging branches, laundry lines, loose materials.

Environmental protection

- Wood parts of play sets should never be disposed of by burn ing. Dispose of all metal parts so as not to create a hazard. You should never burn pressure treated, stained or painted timber yourself, because of environmental pollution. Take it to your local disposal site.

SAFE PLAY

Attention:

- On site adult supervision must be provided for children of all ages and at all times.
- Teach the children to play safe.
- Dress children appropriately. Avoid accessories, clothing with drawstrings, loose fitting clothes and stringed items placed around the neck, which could become entangled or snagged on equipment. Also bike helmets should be taken off before playing on playground equipment.
- Last but not least: use common sense to avoid any possible unsafe situations.
- Jungle Gym® products are designed for use by children age 3 to 10 years old, unless indicated differently.

Safe play (fig. 01)

- Equipment should not be played upon in wet weather conditions because of potentially slippery surfaces, in periods of frost, even the softest ground can change into a very hard surface. Accessories should be removed and taken indoors when temperatures drop below 0° C (32° F).
- Using the playground of the accessories in any other manner than the way intended could lead to damage or, even injury. Do not twist or wrap swings, chains, ropes or any other accessories. Twisting will reduce the strength of the accessories and may cause entrapment.
- Caution children not to:
 - jump off swings while they are in motion
 - swing empty seats or other empty accessories
 - swing at an angle
 - hang upside down from any part of the gym set
 - grasp or stop another child on any moving equipment
 - walk close to, in front of, between or behind moving accessories
- Caution children to sit in the centre of the swings with their full weight on the seats. Only one child per each planned occupant seat should be allowed. A standard tower: maximum 3 children are allowed to play on the play set with a maximum weight of 110 pounds (50 kg) each. A standard tower in combination with a swing: maximum 5 children are allowed to play on the play set with a maximum weight of 110 pounds (50 kg) each.
- Climbing on top of the roof or on top of the Swing or Monkey Module frame must not be permitted. Serious injuries can be result from falls.
- The play area must be free of all structures and obstacles.
- Each open area on a platform increases the risk of possible accidents. The risk can be significantly reduced with the addition of safety features like handles, safety bars and fence boards.
- Do not allow children to go down the slide in any other manner than sitting. Avoid southern sunlight exposure to the slide. All components may become hot when exposed to direct sunlight. Make sure the play set is not hot before allowing children to play. If necessary the play set can be cooled down with water, dry the play set before using. Do not spray water on the slide to increase speed as children slide too fast, which can cause injury.
- Hanging accessories must be removed prior to using overhead Monkey Bars on Monkey Module. Do not allow children under age of 7 to use Monkey Module bars unless supported by an adult. Do not attach anything to the play set that is not approved by Jungle Gym. Some examples of items NOT approved are dog runs, clothes lines, electrical devices, loose ropes or chains etc.

Required tools (fig. 02)

- Tape measure
- Pencil
- Hack/ wood saw
- Combination square
- Wood- & metal file
- Electric drill
- Hammer

Standard bolt connections (fig. 03)

- Drill a hole of ø 10 mm in the parts to be fastened.
- Drive the barrel of the weld nut into the hole with a hammer. The barrel of the weld nut should be inside the wood.
- Place the lock washer over the shank of the bolt, followed by the flat washer and bottom part of the boltcap. Start preliminary tightening of bolt into the weld nut by hand before using the 13 mm socket in your electric drill to tighten each bolt until the spring action of the lock washer is fully compressed between the head of the bolt and the flat washer. Close the bolt protection cap with it's top.
- If the bolt appears to be too short, we advise to counter drill the upper part of the hole in the thickest part of the wood with the ø22 mm drill, to a depth of 15 mm or more, so the bolt will be sunk after assembly. Treat the hole with stain. Because the bolt head is recessed now, there is no need to use the bolt protection cap.
- If the bolt appears too long, it is necessary to remove the protruding end by cutting it off using a metal saw. If any sharp edges appear, use a file.

Pilot holes (fig. 04)

- In order to prevent the wood from splitting, drilling pilot holes are recommended for all screws. These pilot holes should be 10 mm shorter than the length of the screws.

Wood screws (fig. 04.a)

- Drill ø 3 mm pilot holes for wood screws.
- It is very important to make certain that the tops of all screws are flush with the surface of the wood and there are no protruding sharp edges.

XL Stealth™ fasteners (fig. 04.b)

- For a XL Stealth™ first drill a hole ø 5 mm through both parts to be fastened.
- Place the flat washer and bottom part of the bolt cap over the shank of the screw. Place screw in hole and use the T40 bit in your electric drill to tighten. Close the bolt protection cap with its top.

Caution: do not over tighten bolts and screws!

When hardwood is being used it may be necessary to drill pilot holes with a larger diameter, depending on the density of the wood.