



General Installation Introduction

This document is provided as a general guide to playground installation. Each structure will include an install sheet specifically made for that particular structure.

PLEASE NOTE THE FOLLOWING:

STORAGE:

When play equipment is received at a job site it should be installed as soon as possible (within a few days from receipt). The equipment is packaged to keep it safe and damage-free during shipment. However, the packaging material is not suited for periods of extended storage in an uncontrolled environment. The combination of moisture from the environment mixed with the heat generated inside the plastic wrapping may cause damage to the finish of the powder-coated items.

If an immediate installation is not possible, certain steps should be taken to minimize the risk of damage to the equipment. If play equipment must be stored, ideally it should be kept in a controlled environment (storage container, inside building, etc.) away from heat and moisture. If this is not possible, the packaging material should be removed from the equipment, using caution so as not to damage the finish with special regard given to powder coated items. Any large sheets of poly (panels, arch bridge panels, slide hoods, etc.) need to be stored flat or well supported to prevent warping.

INVENTORY:

Please note that inventory should only be taken with the Packing List that ships with each job.

FOOTING INFORMATION:

The following footing guidelines are general and do not supersede any specific information given in any individual set of drawings or instructions. Footing detail drawings are given at the end of this document. Recommended concrete minimum: 2500 PSI.

18" Wide x 18" Deep Footing (does not include safety surfacing depth)

Vertical posts in structure (3.5" and 5")
Most Swings (excluding 5" Single Post)

12" Wide x 18" Deep Footing (does not include safety surfacing depth)

Slide Feet / Slide Supports
Transfer Stations
Lily Pads

Ground to Deck Stair Handrails
Single Steps
Climbers attached to Structure

18" Wide x 36" Deep Footing (does not include safety surfacing depth)

Single Post Swing (5")

24" Wide x 24" Deep Footing (does not include safety surfacing depth)

Vertical posts with shade in structure (3.5" and 5")

We recommend that you build your modular structure in a radiating fashion. This means that you will start with a single post or deck assembly located at the core of the structure creating a central backbone to build outward from. Erect this post or deck assembly with the posts in the footings but not concreted into place. After completing this task you will be able to radiate outward in all directions with the remaining decks, bridges, crawl tunnels, overhead events and modular components. **We recommend you use the ACTUAL PARTS to locate the vertical post locations ALONG with the FOOTING LAYOUT drawing provided.**

There may be situations or special circumstances that will require you to use your own judgment. If you have any questions or are unsure about a situation, please contact your local Sales Representative.

Taking the time to read these instructions in their entirety will help ensure that your equipment is assembled correctly, maintained properly and enjoyed with proper adult supervision so that children can enjoy it for years to come.

PLAYGROUND SITE PREPARATION:

Using the provided plan view drawing of your playground, locate all structures within your site making sure that the placement of the structures meets all required clearances.

All asphalt, concrete and other such hard debris must be removed from the entire site prior to installation.

Site must be graded as close to level as possible to create the safest possible environment for the playground. Special installation considerations must be implemented for sites that are not level.

Check local soil and drainage conditions within the site area. Proper drainage around the structures and their supports is important. Inquire with local contractors in your area for the proper recommendations.

Check with local authorities regarding building codes, permit needs, requirements, etc. before beginning installation.

Site must be isolated from hazards such as swimming pools, ponds, lakes, other bodies of water, highways, roads, drop-offs, cliffs, etc. A method to contain children must be provided that still allows for observation by supervisors. If fences are used, they should conform to local building codes and/or ASTM F-2049.

Site should be surveyed and marked for underground utilities prior to excavation.

Never leave the job site unattended without making sure that all open holes are covered with a material such as plywood. Rope off all unfinished equipment to keep the children away until the build is complete.

PRE-INSTALLATION CHECK:

Compare all items received to the main packing list. Notify your sales representative immediately if any parts are missing or damaged. We are not responsible for items discovered missing after 72 hours from time of delivery!

COMMON INSTALLATION TOOLS

- A) 9/16" Wrench
- B) Wheelbarrow (to mix concrete)
- C) High Speed 3/8" Electric Drill w/clutch with 1/4" and 1/2" Bits
- D) String Level, Magnetic Level, 4' Level
- E) Large Flat Head Screwdriver
- F) Mallet
- G) Hack Saw
- H) Impact Gun
- I) Shovel / Post Hole Digger / Auger
- J) Pry Bar
- K) Tape Measure
- L) 3/16" and 1/4" Allen Head Wrench
- M) T-45 TORX Tool (supplied by the manufacturer)
- N) T-30 TORX Tool (supplied by the manufacturer)
- O) Straps and boards to help hold structure in a level position before and while concrete sets.

SAFETY AND CLEARANCE STANDARDS AND GUIDELINES:

Our play equipment is engineered and designed based on the most current ASTM F1487 standard.

For information regarding public playground safety and your responsibilities as the purchaser, manager or installer of this equipment, we recommend you contact the U.S. Consumer Product Safety Commission (CPSC) for the latest copy of the Public Playground Safety Handbook. You may obtain a copy of this guidebook by contacting the CPSC at 800-638-2772, or by visiting their website at www.cpsc.gov.

The playground area, both around and underneath the structure, must be covered with impact attenuating surfacing material. The surfacing material used should have a Critical Height Value of at least the height of the highest designated play surface on the equipment. The critical height for surfacing is to be rated in accordance with the most current version of ASTM F1292. To purchase a copy of ASTM F1292, Standard specification for impact attenuation of surface systems under and around playground equipment, contact American Society for Testing and Materials (ASTM) by calling 610-832-9585, or by visiting their website at www.astm.org. This information is also given in the Public Playground Safety Handbook. Additional considerations for protective surfacing materials are given as well.

Acceptable playground surfacing materials are available in two basic types: unitary or loose fill. Contact the manufacturer of unitary surfacing materials (rubber matting) for the critical height rating for their products. If loose-fill surfacing materials are used, please refer to the Public Playground Safety Handbook published by the CPSC for critical height values for tested materials. We recommend a minimum depth of 12" for our play equipment.

Never add components that are not approved by the manufacturer.

If relocation of any equipment is desired that differs from the drawings and/or site plan that was provided, prior written approval from the manufacturer must be obtained. Failure to do so may create a dangerous play environment for children.

If individual pieces of equipment are ordered as parts only (without being placed in a site plan drawing), it is the responsibility of the customer/installer to determine the appropriate use zone needed for that equipment. Contact your local sales representative to get this information.

If you have any doubt about the correct placement of any piece of equipment, please contact your sales representative to get clarification.

Unless specified otherwise, the fall height of a piece of equipment is the distance between the highest designated playing surface and the protective surfacing beneath it.

The use zone for equipment should extend a minimum of 6' in all directions from the perimeter of the equipment.

The use zones of two stationary pieces of playground equipment that are positioned adjacent to each other may overlap of the adjacent designated play surfaces of each structure are no more than 30" above the protective surface and the equipment is at least 6' apart.

If adjacent designated play surfaces on either structure exceed a height of 30", the minimum distance between the structures should be 9'.

Use zones of the play equipment will be shown in the plan view drawing and must be adhered to. The fall height of the equipment will also be given in the drawing.

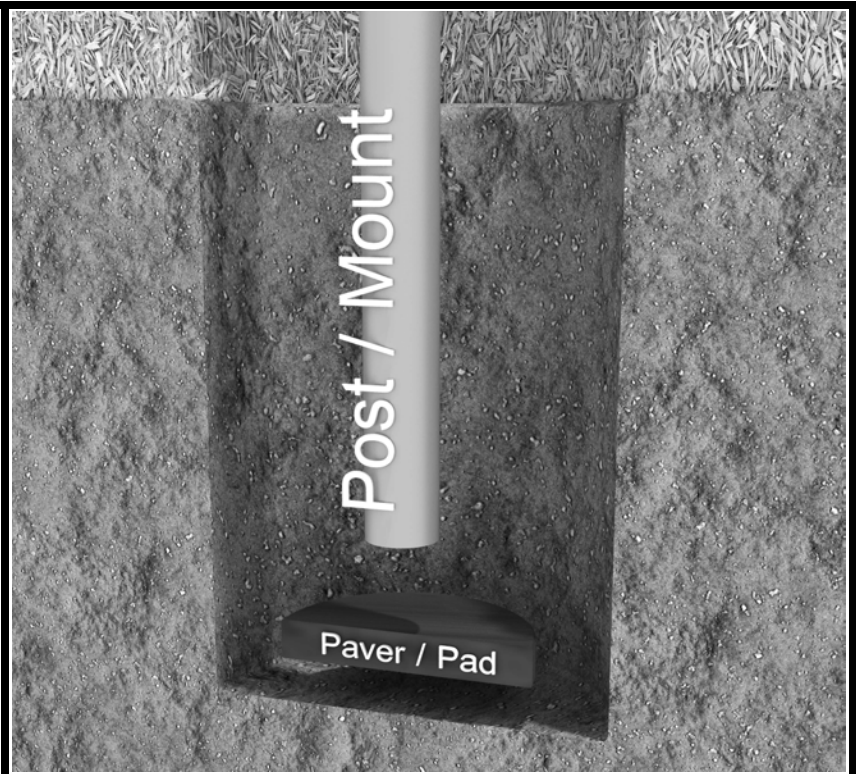
Inground Post/Mount Installation

STEP: 1

DO NOT CEMENT POSTS/MOUNTS INTO PLACE UNTIL THE ENTIRE STRUCTURE IS ASSEMBLED.

Refer to the General Installation guide footing size information and digging proper holes for the support posts/mounts.

For Nest Swing, ensure finished install height of top rail is 7ft from designated play surfacing by digging footing deeper to accommodate.



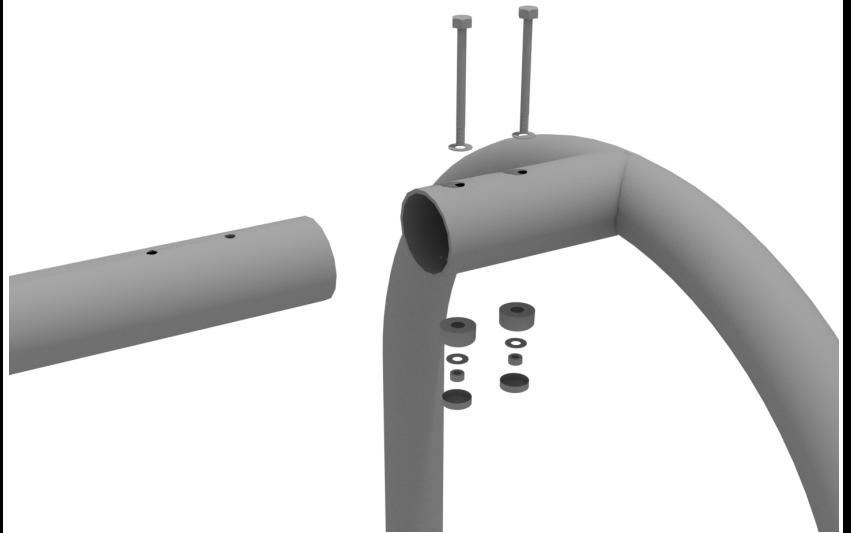
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Elite Series 3.5-inch Arch Post Nest Swing 7 foot Installation

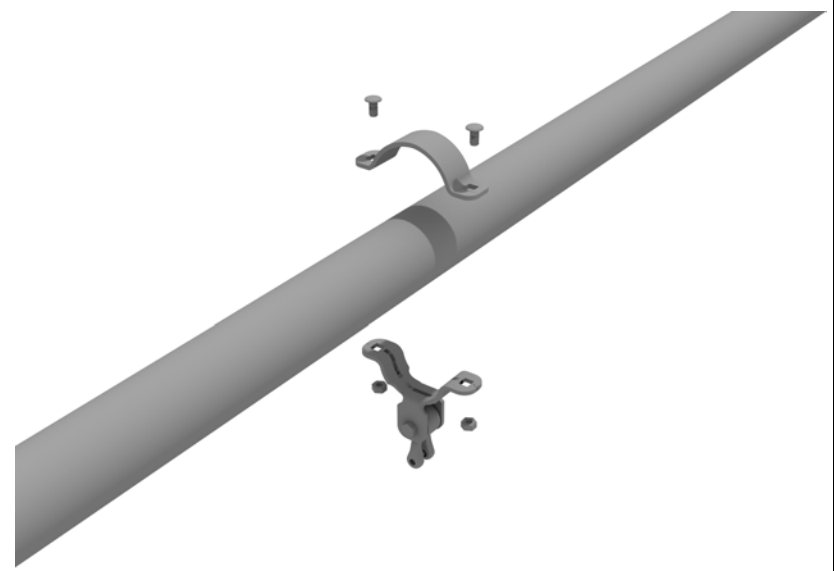
For easy installation it is recommended to assemble swing frame and lower onto footers. Once frame is assembled and leveled with hardware installed on top rail, cement into place. Follow guidelines from Concrete manufacturer for amount / time of curing, etc. It is also recommended the use of ratchet straps along with stakes / anchor spike to stabilize frame while cement cures.

Attach end post to top rail using two (2) 6-1/4" bolts, four (4) washers, two (2) lock nuts and two (2) bolt covers with cap.

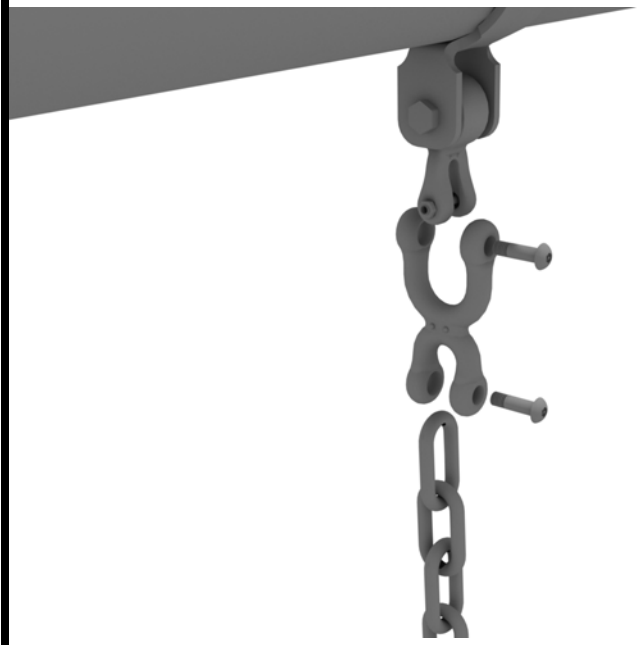


Elite Series 3.5-inch Arch Post Nest Swing 7 foot Installation

Loosen and attach swing hanger on to top rail. Spacing hangers with a minimum distance of 20" between each other.



Loosen the hardware on the Nest Swing H clevis and attach the chain.



Elite Series 3.5-inch Arch Post Nest Swing 7 foot Installation

Loosen the H clevis hardware and
attach the chain.

Repeat for the other attachment
points.

