



Swing Set Stuff Inc.
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End Frame fitting 2 3/8 Installation: A middle frame fitting is needed to make separate bays for swing sets. These fittings require schedule 40 2" pipe for both the top beam and legs. Schedule 40 2" pipe is 2" inside diameter and 2 3/8" outside diameter. To determine amount of bays needed for swing set consult Figure 23, Table 7 for commercial swing sets. For residential sets see spacing dimensions See Page 4 of the Outdoor Home Playground Safety Handbook, <http://www.cpsc.gov/cpsc/pub/pubs/324.pdf>. Determine length of pipe needed for each top beam per bay. Swings intended for the same age groups should be suspended from structures that are separate from those for other swings for different age groups, or at least suspended from a separate bay of the same structure. For instance, a full bucket swing should be in the same bay with another full bucket swing, not a full bucket and a strap seat in the same bay. To minimize the likelihood of children being struck by a moving swing, it is recommended that no more than two swings be hung in each bay of the supporting structure. Install swing set where a child can easily be supervised and not in direct sun. Do not install playground equipment over concrete, asphalt, or any other hard surface. A fall onto a hard surface can result in serious injury to the equipment user. Grass and dirt are not considered protective surfacing because wear and environmental factors can reduce their shock absorbing effectiveness. Carpeting and thin mats are generally not adequate protective surfacing. Install your play equipment on level ground with adequate surfacing and anchoring. Use proper hardware, and tighten all connections.

To determine the length of pipe needed for the legs figure the SIN of 45 degrees = .96 = Height. Divide by length of pipe. For example a ten foot pipe would be 8 ft 10" above the ground.

Lay out all the pipes and end frame fittings on the ground. Arrange them as they will eventually be connected as the finished assembly, approximately, two to three feet from where the set will set into the ground. Slide the one end frame fittings on an end of the top beam pipe. Tighten the two included set screws on the top of the end frame fitting. If you are using any swing hangers, attach them at this time

Then slide the poles into each leg of the end frame fitting and tighten the included set screws for each leg. After installing the end frame fitting, then slide top beam pole into one side of the middle frame fitting. Tighten the two included set screws. Repeat this process with the next top beam pipe. Then slide the poles into each leg of the middle frame fitting and tighten the included set screws for each leg. After this, slide the end of the final top beam pipe into the end frame fitting. Tighten the included set screws for each leg. The set screws use a 6 millimeter Allen wrench. Make sure set screws are tight.

Have multiple people lift structure and rotate structure, so that it is upright. Drive stakes into the ground to mark the location of each pipe on the swing set as determined above. Dig holes until you have the correct number of holes. Depth and diameter of



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hole will be determined by height of set, but average size holes are two feet deep and two feet in diameter.

Place a brick in the bottom of each hole with the widest edge facing up. The bricks will prevent the swing set from sinking in the dirt. Set the swing set in place. Lift the set and do not drag. Hold a level on the top bar of the swing set. Add gravel under each brick to adjust the height as needed. Pour the contents of one 40-lb. bag of concrete into the wheelbarrow. Add the recommended amount of water to the concrete, and mix with the shovel until there is no dry material. Shovel the mixed concrete into a hole, add more concrete if necessary to fill hole. Smooth the concrete with a trowel. Repeat this step for each hole. Allow the concrete to dry for twenty-four hours, and check for sturdiness before allowing children to use swing set.

Safe Use: This is for children 0 - 12 years old only. Adults should supervise children at all times. Do not allow children to use unsafely. Do not allow it to be used if damaged.