

Assembling the TWISTER or ADAMS Slide

GENERAL

Assemble as much of the slide as you can in the shop to avoid rolling it around in the grass or mud. Two people may be required to assemble larger units. When possible, stack components on end on the floor for assembly.

** Left and Right turn modules can be bolted to each other, but we discourage the practice and have not drilled the modules for this configuration. The change of direction is quite severe and we recommend separating these modules with a Straight module or a Wave module.

TOOLS

'Squeeze' type bar clamps
9/16" socket and ratchet handle (or air-ratchet)
1/2" drill bit and drill (cordless?)
Long-nose pliers (for handling weldnuts)

BEGIN

Install joint sealant (if used) on slide-bed side of one end, only. Stack a turn on a turn, male end down, clamp "bolt flanges" if necessary. Install the four (4) bolt/washer/weldnut fasteners loosely. Use threadlocking compound. The barrel of the weldnut should be inside the slide. Align joint at top of rails and tighten bolts. Assemble as many Turn modules as you can, then add straight modules and entry. The Exit is usually added last because of its awkward shape.

DRILLING HOLES *(refer to illustration on back)*

The female ends of the EXIT, STRAIGHT, and WAVE modules have four sets of two holes pilot-drilled. You will have to select the proper holes to enlarge to 1/2". Most often, this will be the upper hole. ***The only time you would use the lower hole is when attaching to a Turn module***, in the following fashion *(refer to illustration on back)*:

The Turn module has a long side (outside of turn) and a short side (inside of turn). When the long side of a turn mates to the female end of the EXIT, STRAIGHT, or WAVE module, enlarge the lower holes on that (outer) side and the upper holes on the other (inner) side. If you make an error the hole must be plugged to be in compliance with standards. Use the hole plugs included in the hardware package. *(The reason for this is to ensure that the bolt is installed perpendicular to the joint).*

WAVE MODULE

The wave module is reversible and, thus, has a female joint on both ends. When possible we will prepare them prior to shipping. Each end has eight 1/4" pilot holes in the bolt flanges, four of which must be enlarged to 1/2". Of the 8 pilots that are enlarged, 6 use the UPPER pilot. Only 2 holes that you must enlarge to 1/2" will use the LOWER pilots, determined as follows: The end of the module closest to the EXIT is the male end and receives the DOUBLE-MALE adapter. In the male end, drill the 4 upper pilots. Follow the instructions in the previous step (Drilling Holes) for the female end.

SUPPORTS

Supports are required under Turn configurations and about every third module in all configurations. The support brackets should be installed during assembly of the slide, but can be installed later, as well. The support bracket uses (2) 1 $\frac{1}{4}$ " bolts into threaded inserts under the slide module. You may need to install the inserts yourself. *The bracket is installed at the upper end of a module, centered, and just below the joint.* Drill $\frac{1}{2}$ " holes and use a $\frac{3}{8}$ " Allen wrench to thread the inserts into the plastic. The 2" dia. support post has a tubing connector in one end to attach it to the bracket. Support posts can then be buried by digging or core-drilling postholes. Posts should be buried about 12", then mortared. *(Embankment slides may use a different style support bracket. It should be installed on the downhill side of the joint, in place of the washers).*

ENTRY/EXIT

The Entry hanger should be fastened to the Entry with the two $\frac{3}{4}$ " bolts supplied. You may need to drill holes through the hanger to attach to your custom deck or entry support. The Exit can be bracketed to the ground by means of the two threaded inserts on the side of the Exit foot. Bolt L-brackets to the Exit using $\frac{3}{4}$ " bolt/washer thru the round holes. *(The slotted holes are for anchoring)* Make any necessary adjustments, and then mark the locations for the last 2 masonry wedge anchors. Drill the two anchor-bolt holes, and complete the installation.

***(Use a threadlocking compound on all bolts to prevent their loosening through vibration.)*

