

DIVEQUIP Trampoline Spotting Rig

(Item # DIVEQUIPTrampRig)

SPECIFICATIONS:

- The DIVEQUIP Trampoline Spotting Rig will attach to any make or model of trampoline. It is the finest trampoline-spotting rig available for purchase in the United States. It will attach to all sizes and shapes of trampolines *including round trampolines*.
- The DIVEQUIP Trampoline Spotting Rig features our EXCLUSIVE “Double Failure Protection” device. If one of the pulleys or one of the clips that holds a pulley should ever fail, the cable wire loop will “catch” the falling rope and not allow the diver to crash into the trampoline bed or landing mat.
- The Trampoline Spotting Rig is 18’ high and can vary in width from 9 feet to 13 feet depending on the size and shape of your trampoline.
- The Trampoline Spotting Rig uprights are constructed of 1½-inch 11-gauge tubular steel. The slide joints are constructed from 2-inch 7-gauge steel.
- The Trampoline Spotting Rig is painted with red oxide primer using an electrostatic process. Most customers paint the spotting rig with their school or club colors.
- The Trampoline Spotting Rig itself weighs approximately 160 lbs. and ships unassembled wrapped in shrink-wrap via ground freight. The pulleys, spotting ropes, pulley attachment quick links, swivel belt clips and assembly instructions are shipped separately via Fed Ex Ground.

PARTS LIST:

- Two (2) 18’ uprights
- Two (2) Caster Hole Sliders (already attached to uprights)
- Two 3/8” Steel bolts for securing Caster Hole Sliders to transport holes in trampoline.
- One Horizontal Cross Piece with exclusive built in “double failure protection” device. The Horizontal Cross Piece is expandable to fit any size trampoline.
- Four (4) 14’ galvanized steel aircraft cables with attached turnbuckles. The cables are already attached to the uprights (These cables run from the top of the spotting rig to the four corners of the trampoline to add stability to the rig.)
- Four (4) small steel plates with three pre-drilled holes (for attaching cable guide wires to four corners of the trampoline)
- Four (4) “U” Bolts that attach small steel plates to the trampoline. NOTE: Non-folding trampolines require SIX (6) “U” bolts – four for the cable wires and two for securing the spotting rig to the center of the trampoline.
- One (1) 3” single sheave rescue pulley with oilite bushing.
- One (1) 3” double sheave rescue pulley with oilite bushing.
- Two (2) heavy duty “Quick Links” for attaching spotting pulleys to spotting rig.
- One (1) piece 40’ long ½” NFPA Certified static spotting rope
- One (1) piece 55’ long ½” NFPA Certified static spotting rope
- Two (2) steel belt clip swivels (for attaching spotting ropes to spotting belt)
- Assembly Instructions and intended use sheet.

WARNING:

Any activity involving motion or height creates the possibility of serious injury, including permanent paralysis and even death. YOU assume a risk of serious injury in the use of this equipment, but this risk can be significantly reduced by always following these simple rules:

- 1) Use this equipment ONLY under the close and careful supervision of a trained and qualified instructor. We recommend instructors certified by United States Diving, Inc. (USD), United States Gymnastics Safety Association (USGSA) or United States Gymnastics Federation (USGF).
- 2) KNOW YOUR LIMITATIONS AND THE LIMITATIONS OF THIS EQUIPMENT. Follow USD, USGSA or USGF, guidelines and progressive learning techniques. ALWAYS CONSULT YOUR INSTRUCTOR.
- 3) This equipment MUST be used with proper spotting equipment and qualified spotters SUITABLE to the skill or trick being learned. ALWAYS CONSULT YOUR INSTRUCTOR.
- 4) Prior to each use, INSPECT this equipment for loose fittings, damaged pulleys, damaged quick links or frayed spotting rope. Be sure to check for proper tightness and positioning of the spotting belt.
- 5) TEST STABILITY of spotting rig before each use.

TOOLS NEEDED:

- Adjustable wrench or 3/8" box wrench or socket wrench
- 9/16" box wrench or socket wrench
- Tape measure
- Small container of "Loc-Tite Red" Brand (Found at most hardware or home improvement stores)

ASSEMBLY INSTRUCTIONS:

NOTE: AT LEAST TWO ADULTS (PREFERABLY THREE ADULTS) ARE REQUIRED TO SAFELY ASSEMBLE (OR DISASSEMBLE) THE TRAMPOLINE SPOTTING RIG AND INSTALL (OR UNINSTALL) IT TO THE TRAMPOLINE. IF INSTALLING (OR UNINSTALLING) TO A NON-FOLDING TRAMPOLINE, AT LEAST FOUR ADULTS ARE REQUIRED.

Most of these instructions refer to installing the spotting rig to a FOLDING trampoline. If installing to a non-folding trampoline, some of these steps will be omitted.

STEP 1: Make sure that you have all parts and tools listed above including assembly instructions and safety warnings. If any parts, instructions or warnings are missing or damaged, please contact DIVE Cincinnati, Inc. Toll Free at 1-877-348-3246.

STEP 2: CAREFULLY read this entire specification sheet, parts list, safety warnings and assembly instructions BEFORE beginning to assemble or use this equipment.

STEP 3: If you plan to paint the Trampoline Spotting Rig with your school or club colors, we recommend using "Rust-o-leum" brand paint and that you paint before assembling your rig. If this spotting rig will be used outdoors or in an indoor pool environment, it is imperative that it be painted right away to avoid any rust damage.

STEP 4: Lay the two 18' uprights with attached caster hole sliders on the ground on either side of the trampoline. NOTE: The caster hole sliders should be facing inward – towards the trampoline.

STEP 5: Using a 9/16" wrench, loosen the Caster Hole Slider set screws. Then, use a tape measure to measure from the ground to the trampoline caster hole. The trampoline caster hole is located in the middle of the trampoline just below the frame. It is used to house the wheel deck when moving the trampoline. (For a non-folding trampoline, measure from the ground to the trampoline frame.)

STEP 6: With the measurement acquired in Step 5, use the tape measure to position the Caster Hole Slider at the approximate height on the trampoline spotting rig upright. Tighten the setscrews to hold the Caster Hole Slider in place. **NOTE:** Some final height adjustments may need to be made when you are finished assembling the spotting rig.

STEP 7: Using a 9/16" wrench, loosen all the setscrews on the horizontal crosspiece and attach each end to the uprights. Make sure that the horizontal cross piece slides all the way onto the vertical uprights. Tighten the setscrews that hold the horizontal crosspiece to the uprights using a wrench or socket. **NOTE:** DO NOT yet tighten the set-screws of the horizontal cross piece as you may need to make some minor width adjustments when attaching the spotting rig to the trampoline.

STEP 8: With at least TWO ADULTS, attach the spotting rig to the trampoline by inserting the caster hole sliders into the caster hole receptacles on the trampoline. **NOTE:** The spotting rig should be lying on its side when you insert the caster hole sliders into the trampoline. If attaching the spotting rig to a non-folding trampoline, skip this step and move to Step 9.

STEP 9: Using a 9/16" wrench, attach the four small steel plates to the corners of the trampoline frame using the four "U" bolts and nuts. **NOTE:** The "U" bolts should be facing DOWN when attaching the steel plates to the trampoline frame. **NOTE:** The "U" bolt should go through the middle hole and the offset hole. The third pre-drilled hole that is right next to the middle hold should be on the OUTSIDE edge of the trampoline and this is the hole into which the cable wires with turnbuckles will attach. **NOTE:** Depending on the size of your trampoline, these small steel plates may attach directly on the corners of your trampoline OR they may attach to the long sides of your trampoline just where the trampoline frame begins to curve. They should NEVER be attached to the short ends of the trampoline frame. Some minor positioning adjustments may need to be made once the spotting rig is lifted into place.

STEP 10: Attach two of the four cable wires from the uprights to the now attached small steel plates located at the two corners of the trampoline that are on the same end of the trampoline where the spotting rig is laying. Attach these cable wires by inserting the attached turnbuckles into the "third" hole of the small steel plate. **NOTE:** The hook from the turnbuckle, when attached to the small steel plate, should be facing the center of the trampoline and the cable wires that attach to the trampoline in this step should be the wires that are hanging from the current "bottom" of the spotting rig.

STEP 11: Attach the pulleys to the welded-on loops at the top corners of the spotting rig using the heavy-duty quick links. Make sure that the double sheave pulley is on the side of the spotting rig where the spotter will stand. Tighten the quick links using a wrench. (We recommend that you use Loc-Tite Red on the quick links to prevent any accidental unscrewing of the quick link during use.)

STEP 12: Install the spotting ropes through the now attached spotting pulleys. The long rope should go over the double pulley, across the Horizontal Cross Piece of the spotting rig and down over the single pulley. *Be sure to feed the rope through the built-in "Double Failure Protection" device.* The short rope should only go over the double pulley. **NOTE:** It does not matter which sheave of the double pulley is used for each rope.

STEP 13: With AT LEAST TWO adults, preferably THREE adults, lift the spotting rig up into place. **METHOD:** With one adult on each side of the spotting rig, lift the top corners of the spotting rig off the ground above your head and walk towards the center of the trampoline lifting the spotting rig into a vertical, position as you walk. The spotting rig should pivot on the caster hole sliders that are inserted into the trampoline frame. **NOTE:** The two cable wires that you have already attached will prevent the spotting rig from falling away from you once the spotting rig reaches a vertical position.

IMPORTANT: *If attaching this spotting rig to a non-folding trampoline – one without caster holes, at least FOUR adults are required to lift and maneuver the spotting rig into place and tighten the "U bolt" clamps over the trampoline frame.*

STEP 14: With the spotting rig now standing in a vertical position, each adult should grab hold of the remaining cable wires and keep walking towards the other end of the trampoline. Connect these cable wires to the attached steel plates at the corners of the trampoline by inserting the turnbuckles into the open hole on the steel plate. Remove any slack in the cable wires by tightening the turnbuckles that attach the cable wires to the trampoline frame. NOTE: If you are unable to remove all of the slack in the cable wires by tightening the turnbuckles, then you must reposition the small steel plates farther down the frame of the trampoline. To do this, simply unscrew the "U" bolts, move the small steel plates farther down the frame and then re-attach. Do this to all four cable wires if necessary. When finished, all four cable wires should be tight. Periodic adjustment of the turnbuckles will be necessary after repeated use of the trampoline spotting rig. It is very important that these cable guide wires be frequently checked for tightness.

STEP 15: Once the cable guide wires are in place and tight, make sure the bottoms of the vertical uprights are touching the ground. If they are not touching the ground, loosen the setscrews on the Caster Hole Sliders and slide the vertical uprights down until they touch the ground. Be sure to place a small piece of Mondo, Rough-Tex or similar material underneath the uprights to prevent any damage or sliding on a pool deck or gym floor. Tighten the setscrews on the caster hole sliders with a 9/16" wrench.

STEP 16: Attach the belt clips to the ends of the spotting ropes by tying a knot or crimping some ferrels over the rope. We recommend a "Re-traced Figure 8" knot to attach the rope clips to the spotting rope. A "square" knot or similar is NOT an acceptable knot for this type of application and may be cause for rope breakage. Remember that the knot is the weakest part of the rope.

STEP 17: Insert and tighten the two 3/8" bolts and nuts that go through the Caster Hole Slider "neck" to prevent the Caster Hole Slider from coming out of the transport holes in the trampoline.

STEP 18: TEST THE SPOTTING RIG BEFORE USING. To do this, have one adult stand on the trampoline and tightly hold each of the ropes in each hand. Have another adult pull on the spotting ropes from the ground in order to apply as much tension as possible to the ropes, pulleys, clips and spotting rig without causing injury to the person on the trampoline. Once you are satisfied that the trampoline spotting rig has been properly assembled and tested, you can now begin spotting your athletes.

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NOTE: Both the manufacturer and marketer of this product encourages, recommends and advises all persons using this or any trampoline spotting rig to attend, understand and successfully complete a "Spotting Certification Course" as presented by United States Diving, Inc. – the National Governing Body of the sport of springboard and platform diving in the United States. Visit the U.S. Diving website at www.usdiving.org for more information detailing dates and times of a clinic in your area.

ADDITIONAL WARNING: Great caution and care should be exercised when dismantling the spotting rig and removing it from the trampoline. This endeavor should NEVER be attempted alone. AT LEAST TWO ADULTS (preferably THREE adults) are required to safely dismantle and remove the spotting rig from the trampoline. If this spotting rig is attached to a non-folding trampoline, FOUR adults are required to assist in the dismantling and removal of this device from the trampoline.