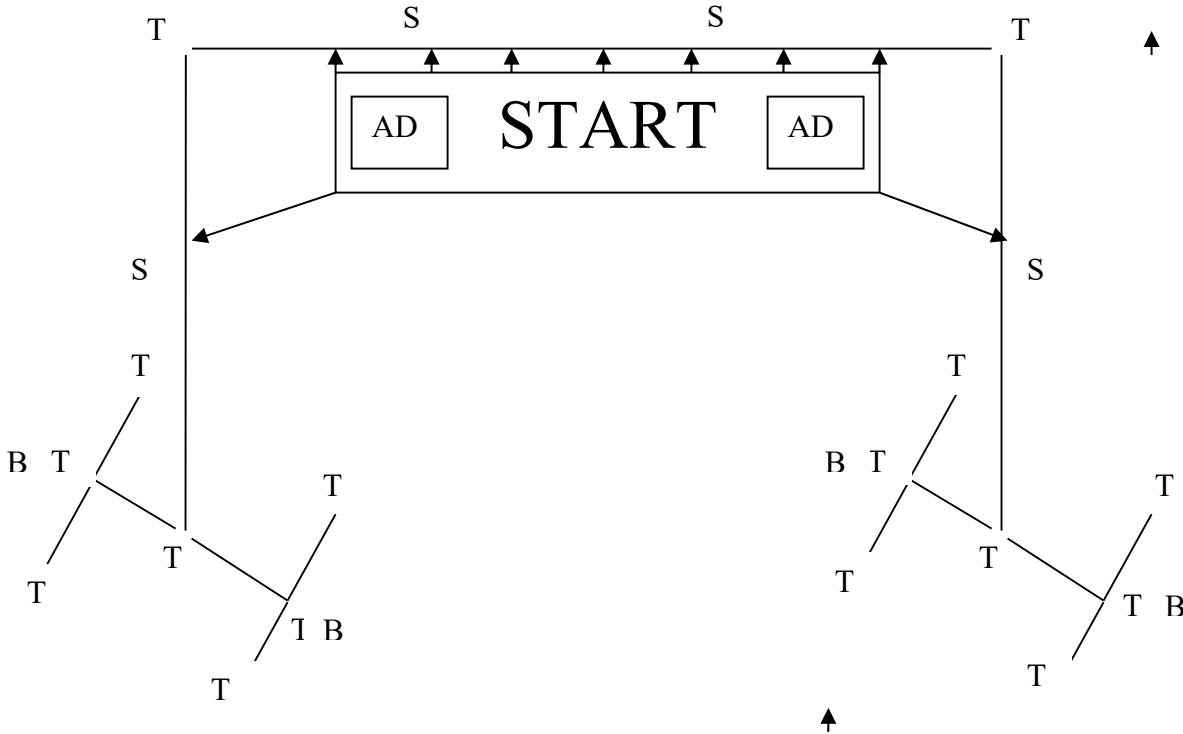


INSTRUCTIONS: ASSEMBLING THE WINDTIMER SKYHOOK

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Video: http://www.youtube.com/watch?v=W9c_1SvppJY

Schematic diagram:



Components:

- 16 $\frac{3}{4}$ -inch T-couplings
- 4 $\frac{3}{4}$ -inch straight couplings
- 12 $\frac{3}{4}$ -inch one-foot steel rods
- 5 $\frac{3}{4}$ -inch five-foot steel rods
- 2 $\frac{3}{4}$ -inch four foot steel rods
- 1 6-foot x 2-foot vinyl banner, printed START and FINISH on opposite side, with grommets every foot on top and bottom

Symbol: T

Symbol: S

or

- 1 6-foot x 2-foot vinyl banner, printed START on one side, with grommets
- 1 6-foot x 2-foot vinyl banner, printed FINISH on one side, with grommets
- 2 one-foot bungee cords with metal hook ends
- 6 shower curtain S-hooks
- 4 transparent plastic page holders
- 4 sandbags

Symbol:

Symbol:

Symbol: AD

Symbol: B

Pre-Assembly:

1. For each of four sets of two one-foot rods and T-couplings, tightly screw two one-foot rods into opposite sides of a T-coupling
2. Tightly screw a T-coupling to each of the four ends of the one-foot rods at ground level (“toes”)
3. For each of the four sets, tightly screw a one-foot rod into the center of a T-coupling (“feet”)
4. For each set of two feet, tightly screw the open end of the remaining one-foot rod into a T-coupling,
5. For each of the two sets, tightly screw a five-foot rod into the center of the T-coupling (“legs”)
6. For each of the two legs, tightly screw the open end into a straight coupling
7. For each of two four-foot rods, tightly screw one end into the center of a T-coupling (“arms”)
8. For each of two four-foot rods, tightly screw one end into the side of the T-coupling connected to an arm (“shoulders”)
9. For each of the shoulders, tightly screw the open end into a straight coupling
10. For one of the shoulders, tightly screw the remaining five-foot rod into the open end of the straight coupling. Now you have four segments
11. Attach two transparent plastic page holders on each side the “START” and “FINISH” using waterproof tape. Be sure to orient the page holders so the open end faces out
12. Print signage for your race on thick paper (use paper 24-pound or thicker, not 20-pound)
13. Insert signage into page holders. We use one side for our club logo and the other for the race logo

Race-Day Assembly:

1. Start with one leg. Loosely screw it into the open end of the straight coupling of the four-foot rod of one of the arms and shoulders
2. Next, loosely screw the second shoulder into the straight coupling at the open end of the first shoulder
3. Next, loosely screw the other leg into the straight coupling at the open end of the other arm
4. Attach the start / finish banner to the top bar using shower curtain S-hooks
5. Attach one end of one bungee to the lower right grommet of the banner
6. Attach the open end of the bungee to the middle of the right arm
7. Attach one end of the other bungee to the lower left grommet of the banner
8. Attach the open end of the other bungee to the middle of the left arm
9. Adjust the bungees and the S-hooks to achieve maximum balance
10. Grasp the assembled skyhook by the T-couplings at the shoulders and slowly work the assembly into a vertical position
11. Adjust the feet so they are perpendicular to the banner
12. Drop sandbags on top of the feet
13. For additional stability, attach the verticals to a fixed object like a post using bungees or rope

Dimensions of completed skyhook:

9 feet tall, less 2 feet for the banner
17 feet across – extensible with more rods and couplings
2-foot x 2-foot footprint at each of the two bottoms

Wind resistance:

The skyhook is stable up to 20 MPH winds
Above that wind velocity, you must secure the verticals with bungees or rope
Do not deploy skyhook if wind velocity if more than 40 MPH