



Ready Reference Checklist - Tower Crane

YOU WILL NEED A TOWER CRANE OF THE FOLLOWING TYPES:

- Hammerhead
- Luffer
- Self Erecting

YOU WILL NEED THE FOLLOWING FOR EACH CRANE TO BE TESTED ON:

- A cylindrical test weight, diameter 3 ft. (114 in. in circumference), weight (including rigging) must be between 1,500 – 2,000 lbs.
- One (1) 3 ft. length of 3/8 in. chain, measured from the bottom of the hook, that can be quickly and easily attached and detached, must be painted fluorescent orange or red and be hung from the load hook.
- Four (4) lengths of 3/8 in. chain, painted fluorescent orange or red, that are easily detachable and measure 3 ft. long when attached to the bottom inside edge of the test weight.
- Suitable rigging to attach the test weight to the hook, no more than 4 ft. long.
- PVC pipe, white, 1½ in, SHD. 40, sufficient to make sixty-four (64), 36 in. long poles.
- ¾ in. CDX grade (or better) plywood or high density polyethylene, sufficient to create sixty-four (64) pole bases, 1½" (± ½") x 12" x 12".
- Sixty-four (64) tennis balls.
- Forty-two feet of #18 nylon string, to attach tennis balls to poles (optional).
- 120 1¼ in. zinc plated (galvanized) screws, or equivalent, to secure nylon string to tennis balls and poles (optional).
- 500 ft. brightly colored, string line (for Zigzag Corridor and test site layout use).
- Spirit level to verify level (minimum 2 ft. length for Self Erecting Crane only).
- Paint (fluorescent orange or red) for painting the tops of the poles and chain.
- Paint (white) for marking circles.
- Hand-held wind speed indicator (anemometer).
- Two (2) 100 ft. tape measures and one 30 ft. steel tape.
- Stop watches and clipboards for Examiner(s) and Proctor(s).

EQUIPMENT SOURCES.

Anemometers: West Marine, PO Box 50070, Watsonville, CA 95077. 1-800-262-8464. www.westmarine.com.

HDPE bases: House of Plastics, 2580 S. Orange Blossom Trail, Orlando, FL 32805. 1-888-707-5278. plastics@hopu.com.

CCO does not endorse or recommend particular vendors of any equipment.