



READY REFERENCE CHECKLIST MOBILE CRANE

YOU WILL NEED A MOBILE CRANE IN EITHER OF THE FOLLOWING CATEGORIES:

- Lattice Boom Crane (truck or crawler)
- Small Telescopic Crane (Fixed Cab)
- Large Telescopic Crane (Swing Cab)

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

- A cylindrical Test Weight, diameter 2 ft.- 4 ft. (76-152 inches in circumference), weight (including rigging, overhaul ball and any ancillary equipment hanging below the hook) to be calculated at 20-30% of maximum permissible single line pull on the top layer of rope for the crane as configured. **NOTE: 55 Gallon Drums do not meet NCCCO Test Weight requirements and CAN NOT be used.**
- Two (2) lengths of $\frac{3}{8}$ inch chain, painted fluorescent orange or red, that measure 3 foot long from the bottom inside edge of the Test Weight and from the bottom of the crane hook.
- Overhaul ball, 30-48 inches in circumference, with a 2 inch wide horizontal white line painted or taped around the center.
- Rigging slings to attach the Test Weight to the hook no more than 3 feet long.
- Two (2) empty steel drums approximately 22 inches outside diameter and 34 inches high (e.g., 55 gallon diesel drum), open at one end.
- FOR LATTICE BOOM CRANE ONLY** Forty (40) lbs. of non-permeable ballast for ballasting the barrels (20 lbs. each).
- PVC pipe, white, 1 $\frac{1}{2}$ inches, SHD 40, sufficient to make forty-two (42), 36 inch long poles.
- Two (2) 4 ft. x 4 ft. sheets of $\frac{3}{4}$ inch CDX-grade (or better) plywood, placed under Barrels secured or weighted as necessary to prevent movement.
- $\frac{3}{4}$ inch CDX-grade (or better) plywood or high density polyethylene (HDPE), sufficient to create forty-two (42) pole bases, 1 $\frac{1}{2}$ " ($\pm \frac{1}{2}$ ") x 12" x 12".
- Forty-two (42) tennis balls.
- Forty-two (42) feet of #18 nylon string, to attach tennis balls to poles (optional).
- Eighty-four (84) 1 $\frac{1}{4}$ inch zinc plated (galvanized) screws, or equivalent, to secure nylon string to tennis balls and poles (optional)
- 500 feet brightly colored, string line (for Zigzag Corridor and test site layout use) **NOTE: Chalk line may NOT be used for Zigzag Corridor layout.**
- Paint (fluorescent orange or red) for painting the tops of the poles and chain **NOTE: Red electrical tape may be used for the poles).**
- Paint (white) for identifying the barrels, marking the overhaul ball and circles.
- Hand-held wind speed indicator (anemometer).
- Two (2) 100 foot tape measures and one (1) 30 foot 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.

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