



Ready Reference Checklist

ARTICULATING BOOM LOADERS

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

- A Test Weight 800–1,200 lbs., 4 ft. × 8 ft. × 17 in., with 4 in. × 4 in. dunnage attached to the bottom 12 in. from outside edge of Test Weight to outside edge of dunnage
- Length of 3/8- or 5/16-inch chain, painted orange or red, measuring 2 ft. long from the bottom of the fork assembly
- PVC pipe, white, 1½ in. (SCH 40), sufficient to make 40 three-foot-long poles
- ¾-inch, CDX-grade (or better) plywood or 1-inch high density polyethylene (HDPE)*, sufficient to create 44 pole bases, 12 in. × 12 in. (nominal); must weigh 5 lb. ± 10%
- 44 tennis balls
- 7 ft. (± 1 in.) long horizontal obstruction pole made of 1 inch inner diameter PVC pipe (SCH 40)
- 44 ft. of nylon string to attach tennis balls to poles (optional)
- 88 1¼-inch zinc-plated (galvanized) screws, or equivalent, to secure nylon string to tennis balls and poles (optional)
- 300 ft. string line, brightly colored (for Zigzag Corridor and Test Site Layout use) **NOTE: chalk line may NOT be used**
- Spirit level to verify levelness (minimum 1 ft. long)
- Paint (orange or red) for painting the tops of the poles and chain **NOTE: red electrical tape may be used for the poles**
- Rubber mats or paint to mark the circular Designated Areas (If marking circles, designated areas, or other parts of a course on plywood or mats, the borders must be marked with materials with a flat, uniform surface and a lip variance not to exceed 3/4 in. Any materials used may not interfere with the free movement of the pole bases.)
- 2 in. wide (minimum) clearly visible, durable tape or other material to mark the rectangular Designated Areas and denotation lines
- Handheld wind speed indicator (anemometer)
- 50 ft. tape measure
- Stopwatches and clipboards for Examiner(s) and Proctor(s); multifunction devices such as cell phones and wristwatches are not acceptable
- Two-way communication devices for top seat operator station
- If using remote controls, sufficient batteries to conduct all Practical Exams

EQUIPMENT SOURCES

NCCCO does not endorse or recommend particular vendors of any equipment, but the following sources may help you find specific required materials and equipment:

- **HDPE bases:** House of Plastics (part number HOP01-055), 2580 S. Orange Blossom Trail, Orlando, FL 32805, 407-843-3290, plastics@hopu.com