

Objectives: Course CA-201 INTERMEDIATE RIGGING COURSE

At the conclusion of this course, the attendees should be able to:

Terminal Objectives

- a. Identify basic application and/or inspection requirements when using Crosby rigging hardware, lifting clamps, crane blocks and sheaves.
 - b. Be able to recognize inspection requirements per ASME B30.9 when inspecting wire rope, chain and synthetic slings.
 - c. Be able to locate and utilize basic formulas or Crosby tools to assist in the determination of load weight, location of center of gravity and sling tension before the material handling activity begins.
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Enabling Objectives:

1. Recognize ASME B30.9 wire rope, chain and synthetic sling inspection criteria.
2. Identify the correct definition of “mechanical advantage” in block applications.
3. Determine correct number of “parts of line” when using crane blocks.
4. Determine total load placed on crane blocks.
5. Recognize why a crane block or overhaul ball must weigh a minimum amount of weight.
6. Determine loading on snatch blocks when using one or two parts of line.
7. Recognize basic application requirements when using Crosby vertical and horizontal lifting clamps.
8. Recognize common formulas for calculating load weight and sling tension.
9. Calculate sling tension when C.O.G. in the middle between pick points. When load is rigged using a rigging triangle.
10. Determine correct size hardware for connection points at top of rigging triangle and connection points at the load.
11. Determine correct size of slings for attachment to the load.
12. Recognize Crosby Apple and Android Apps that are available to utilize in the field.
13. Recognize Crosby E-learning Tools that are available.

End of Objective List