

**Rigging 101 and Signal Person Classrooms are available at the following locations:**

### **Albuquerque, NM**

505 Murry Rd. SE  
Albuquerque, NM 87105  
(505) 877-1100 Phone  
(505) 877-6900 Fax

### **El Paso, TX**

7992 Quejette Rd.  
Vinton, TX 79821  
(915) 351-6234 Phone  
(915) 351-6235 Fax

### **Sweetwater, TX**

9526 North I-20  
Sweetwater, TX 79556  
(325) 236-6132 Phone  
(325) 263-6159 Fax

The following topics and objectives are covered:

- Rigging Application
- Load Control
- Taglines
- Sling Capacities
- Splicing Efficiencies
- Hitches
- D/d Ratios
- Sling Configuration Workshops
- Sling Loading
- Load Angle Multiplier (LAM)
- Tension Workshops
- Load Weight Estimation
- Load Weight Estimation Workshops
- Crane Hand Signals
- Mobile Cranes
- Overhead Cranes
- Best Rigging Practices

Learning Objectives:

- Identify Center of Gravity (CG) locations for different shaped loads.
- Know proper tagline use.
- Know splice efficiencies of wire rope sling termination points.
- Identify the three basic hitches (vertical, choker, and basket) and their load rating efficiency.
- Know how to calculate affects of D/d ratio on wire rope slings.
- Will be able to calculate sling tension for symmetric and non-symmetric loads.
- Will be able to estimate weights of common construction material.
- Will learn ASME 30.5 Mobile crane hand signals.
- Know the difference between good and poor rigging practices.
- Inverse proportion of weight and distance rigging practices for off center loads.

Literature

- "Competent Rigger" by Rigging Institute
- Riggers Reference Handbook
- Formula to find CG
- Rigging 101 Test
- Riggers Reference Field Guide
- Angle Load Multiplier Card

Additional Class Details

- Length of class 8 ½ - 9 Hours
- Upon successful completion of course, students will receive completion certificates and a wallet sized certification card.
- Snacks and lunch provided
- \*Pricing: \$360 Per Person Rigging 101 / \$125 Per Person Signal Person. In the event training is requested outside of our facilities, additional travel expenses will apply and a suitable training class must be provided. Pricing based on a minimum of 10 students and a maximum of 20.

**If you have any questions, you need further information, or you would like to schedule a class, please contact Todd Brown at the Albuquerque Branch.**

