



**ASME/OSHA  
BASIC RIGGING REQUIREMENTS  
2017**

**Two-Day Rigging Trainer Development Program  
Selected cities offer optional Block Technology or  
Advanced Rigging Courses**

**See Schedule  
page 4**

This SEMINAR and support materials were developed for the Crosby product line. The materials are intended to be used as classroom references in training sessions conducted by individuals authorized by Crosby. Crosby provides instruction only on how to use the materials. Crosby does not select or determine whether each attendee is qualified to be a trainer. The management of companies requesting the Crosby training are responsible for determining the capability and suitability of all trainers in their employment.

Those who attend Day One, Course #CA005, will receive:

- Certificate of Completion
- A Crosby Seminar Workbook
- Crosby's laminated pocket reference guide

Those who attend the full two-day program will receive:

- Certificate of Completion
- "Electronic file" containing the Crosby rigging PowerPoint slides. Acceptance of Crosby's licensing agreement is required.
- Ability to order Crosby training materials at reduced prices
- Those individuals who successfully complete the two-day course CA-005 & CA-006B, and meet all requirements will receive a certificate stating they are "Authorized" to use Crosby training materials for 48 months.

**See page 3 to review "Criteria for Earning IACET "CEU" Credits" for Two Day Rigging Trainer Development and Instructions for Viewing Course Objectives.**

**Classroom training is only a small part of the needed qualifications.  
Demonstrated ability on the job is equally important.**

**Registration Form Enclosed**

**For Authorized Full Line Crosby Distributors and End Users of Crosby Products Only!**

# Course Agendas

## DAY 1

### RIGGING TRAINER DEVELOPMENT COURSE CA-005

Non-Trainers may attend Day 1 only

*(Day 1 is a prerequisite for attending Day 2)*

**(Check in: 7:30 a.m. Program time: 8:00 a.m. – 5:00 p.m.)**

- ♦ **RISK MANAGEMENT**  
The Working Load Limit  
Evaluating The Rigging  
The Basic Rigging Plan
- ♦ **RIGGING PRINCIPLES AND LOAD CONTROL**  
Sling Operating Practices per B30.9  
Load Control Basics
- ♦ **LOADS ON RIGGING AND THE RIGGING TRIANGLE**  
Determining Weight of Load  
Finding the COG  
The Rigging Triangle  
The Load Multiplier and L/H  
Workshop: Determining Tension in Sling Legs
- ♦ **APPLICATION OF HARDWARE**  
Hoist Hooks and Latches  
Proper Application of Shackles  
Links and Rings  
Eye Bolts and Hoist Rings
- ♦ **INSPECTION OF RIGGING HARDWARE**  
Crosby Guidelines and ASME B30.26
- ♦ **PROPER APPLICATION OF SLINGS**  
Wire Rope Slings  
Chain Slings  
Synthetic Slings

## DAY 2

### RIGGING TRAINER DEVELOPMENT COURSE CA-006B CONTINUED (1.4 CEUs)

*(Prior attendance at Day 1 is required)*

**(Check in: 7:30 a.m. Program time: 8 am – 5 pm)**

- ♦ **INSPECTION OF SLINGS PER ASME B30.9**
- ♦ **RIGGING JEOPARDY CHALLENGE – II**
- ♦ **BASIC BLOCK CONCEPTS**
- ♦ **CROSBY ELECTRONIC TRAINING TOOLS/APPS OVERVIEW**
- ♦ **RIGGING MATH WORKSHOP**
- ♦ **DISCUSS TAKE HOME MATERIALS AND FINAL WRAP UP**
- ♦ **RIGGING JEOPARDY CHALLENGE – I**
- ♦ **WIRE ROPE TERMINATIONS**

### **OPTIONAL DAY 3**

(Offered in Selected Cities Only)

#### **BLOCK TECHNOLOGY - COURSE #BT-001**

Attendance of two-day course CA-007A not required

**(Check in: 7:30 a.m.)**

**(Program time: 8:00 a.m. – Noon)**

- ♦ **Block Terminology**
- ♦ **Mechanical Advantage**
- ♦ **Overhaul Weights**
- ♦ **Rigging with Snatch Blocks and The Load Angle Factor**
- ♦ **Sheaves and D/d Ratio**
- ♦ **Sheave Bearings**
- ♦ **Block and Sheave Inspection**
- ♦ **Exercises and Workshops**

### **OPTIONAL DAY 3**

(Offered in Selected Cities Only)

#### **ADVANCED RIGGING CONCEPTS**

Attendance of two-day course CA-007A not required

**(Check in: 7:30 a.m.)**

**(Program time: 8:00 a.m. – 4:00 p.m.)**

- ♦ **Calculating Weight of the Load**
- ♦ **Finding the Center of Gravity**
- ♦ **Achieving Load Stability**
- ♦ **The Rigging Triangle and Load Angle Multiplier**
- ♦ **Calculating Sling Tension**
- ♦ **Heavy Lift Considerations**
- ♦ **Team Workshops and Exercises**



## **CRITERIA FOR EARNING IACET "CEU" (CONTINUING EDUCATION UNIT) CREDITS**



"The Crosby Group, LLC has been accredited as an Authorized Provider by the International Association for Continuing Education and Training (IACET). In obtaining this accreditation, the Crosby Group, LLC has demonstrated that it complies with the ANSI/IACET Standard which is recognized internationally as a standard of good practice. As a result of the Authorized Provider status, The Crosby Group, LLC is authorized to offer IACET CEUs for programs that qualify under the ANSI/IACET Standard."

1. Must participate in all exercises, discussions, and workshops. (For course CA-007A).
2. Must fill out the seminar roster each day.
3. Must attend a minimum of ninety percent (90%) of the two day seminar.
4. Must attain minimum of 80% overall on assessments.

### **If All Steps Above Are Met, You Can Earn 1.4 "CEU" Credits**

To view course objectives go to the Crosby website, [www.thecrosbygroup.com](http://www.thecrosbygroup.com) and go to Training/Courses Registration/ASME/OSHA. Select the ASME/OSHA Rigging Trainer Development Course. You will find a link to Course Objectives located towards the bottom of the page in the course description section.

If you have any questions regarding information as set forth in this letter, please email Cindy Gruver at [cindy.gruver@thecrosbygroup.com](mailto:cindy.gruver@thecrosbygroup.com).



## ASME/OSHA RIGGING TRAINER DEVELOPMENT PROGRAM

☐ REGISTER THE FOLLOWING PERSON TO NOTED SEMINAR(S)

Name: \_\_\_\_\_

Company: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ Phone: \_\_\_\_\_

E-mail Address: \_\_\_\_\_

**(Must Have E-mail in order to Confirm Registration)**

Register me in the courses indicated below. All courses available on a first come basis.

<u>Date</u>	<u>Time</u>	<u>Course</u>	<u>Topic</u>	<u>City</u>
<input type="checkbox"/> January 24, 2017	8:00 a.m. – 5:00 p.m.	CA-005	Fundamentals of Rigging	Houston, TX
<input type="checkbox"/> January 25, 2017	8:00 a.m. – 5:00 p.m.	CA-006B	Rigging Trainer Development	Houston, TX
<input type="checkbox"/> February 7, 2017	8:00 a.m. – 5:00 p.m.	CA-005	Fundamentals of Rigging	Hillside, IL
<input type="checkbox"/> February 8, 2017	8:00 a.m. – 5:00 p.m.	CA-006B	Rigging Trainer Development	Hillside, IL
<input type="checkbox"/> March 14, 2017	8:00 a.m. – 5:00 p.m.	CA-005	Fundamentals of Rigging	Baltimore, MD
<input type="checkbox"/> March 15, 2017	8:00 a.m. – 5:00 p.m.	CA-006B	Rigging Trainer Development	Baltimore, MD
<input type="checkbox"/> March 22, 2017	8:00 a.m. – 5:00 p.m.	CA-005	Fundamentals of Rigging	Phoenix, AZ
<input type="checkbox"/> March 23, 2017	8:00 a.m. – 5:00 p.m.	CA-006B	Rigging Trainer Development	Phoenix, AZ
<input type="checkbox"/> April 11, 2017	8:00 a.m. – 5:00 p.m.	CA-005	Fundamentals of Rigging	Edmonton, AB
<input type="checkbox"/> April 12, 2017	8:00 a.m. – 5:00 p.m.	CA-006B	Rigging Trainer Development	Edmonton, AB
<input type="checkbox"/> June 6, 2017	8:00 a.m. – 5:00 p.m.	CA-005	Fundamentals of Rigging	Houston, TX
<input type="checkbox"/> June 7, 2017	8:00 a.m. – 5:00 p.m.	CA-006B	Rigging Trainer Development	Houston, TX
<input type="checkbox"/> June 13, 2017	8:00 a.m. – 5:00 p.m.	CA-005	Fundamentals of Rigging	Hillside, IL
<input type="checkbox"/> June 14, 2017	8:00 a.m. – 5:00 p.m.	CA-006B	Rigging Trainer Development	Hillside, IL
<input type="checkbox"/> June 15, 2017	8:00 a.m. – 4:00 p.m.	ADV-001	Advanced Rigging Course	Hillside, IL
<input type="checkbox"/> September 19, 2017	8:00 a.m. – 5:00 p.m.	CA-005	Fundamentals of Rigging	Houston, TX
<input type="checkbox"/> September 20, 2017	8:00 a.m. – 5:00 p.m.	CA-006B	Rigging Trainer Development	Houston, TX
<input type="checkbox"/> December 12, 2017	8:00 a.m. – 5:00 p.m.	CA-005	Fundamentals of Rigging	Houston, TX
<input type="checkbox"/> December 13, 2017	8:00 a.m. – 5:00 p.m.	CA-006B	Rigging Trainer Development	Houston, TX
<input type="checkbox"/> December 14, 2017	8:00 a.m. – 4:00 p.m.	ADV-001	Advanced Rigging Course	Houston, TX

EMAIL THIS FORM ALONG WITH THE FOLLOWING PAGES TO [CINDY.GRUVER@THECROSBYGROUP.COM](mailto:CINDY.GRUVER@THECROSBYGROUP.COM)

You should receive a confirmation of registration with seminar location's address within one week.

If not, or if you have questions, please call 918-834-4611 ext. 5357 or E-mail [cindy.gruver@thecrosbygroup.com](mailto:cindy.gruver@thecrosbygroup.com).

\*See schedule of other Crosby seminars via website: [www.thecrosbygroup.com](http://www.thecrosbygroup.com)

\*Attendee Disclosure Form must be submitted with this form.

## ATTENDEE DISCLOSURE FORM

Completed for \_\_\_\_\_  
(name of attendee)

Crosby training seminars are designed for supporting full line Crosby Distributors, end users, and non-competing support personnel in the lifting/material moving industry. The Crosby courses are instructor led by Crosby employees. On occasion a retired Crosby employee may be contracted to serve as an instructor.

Please check the appropriate box below that best describes your occupation/employer.

- ☐ Authorized Full Line Crosby Distributor
- ☐ End User of Crosby Products

If you are not employed by an authorized full-line Crosby distributor or are not an end user of Crosby products, please check one of the boxes below.

- ☐ Consultant/Trainer
- ☐ Risk Management/Insurance
- ☐ Other

If you checked "Other" above, briefly describe your occupation: \_\_\_\_\_

\_\_\_\_\_

All potential attendees that are not Authorized Full Line Crosby Distributors or actual end users of Crosby products must be pre-approved by Crosby before admittance.

ONLY THOSE INDIVIDUALS that attend at least 90% of the two-day seminar, are eligible to receive a Crosby Certificate of Achievement.

The Crosby Group reserves the right to deny access to Crosby sponsored training sessions and reserves the right to cancel a scheduled training session at any time.

**This form must be emailed to [cindy.gruver@thecrosbygroup.com](mailto:cindy.gruver@thecrosbygroup.com) with the preceding form, which requires name, employer, address, date/location of training site selected.**

Questions or concerns? Please call 918-834-4611 extension 5357 or send email to [cindy.gruver@thecrosbygroup.com](mailto:cindy.gruver@thecrosbygroup.com).