



**ASME/OSHA
BASIC RIGGING REQUIREMENTS
2016**

**Two Day Rigging Trainer Development Program
Selected cities offer optional Heavy Lift 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, Course #CA005 and # CA006B, will receive:

- Crosby General Catalog on DVD
- An "electronic file" with Crosby rigging PowerPoint slides. Acceptance of Crosby's licensing agreement is required.
- The ability to order Crosby training materials at reduced prices
- Other Crosby CD-ROMs and electronic tools will be made available
- Those individuals who successfully complete the two day course CA-005 and CA-006B and meet all requirements will be mailed 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
FUNDAMENTALS OF RIGGING - COURSE #CA-005
(NON-TRAINERS CAN 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, Hoist Rings, Sorting Hooks
New Expectations per ASME B30.26
- ◆ **INSPECTION OF RIGGING HARDWARE**
Crosby Guidelines and ASME B30.26
- ◆ **PROPER APPLICATION OF SLINGS**
Wire Rope Sling
Chain Slings
Synthetic Slings

DAY 2
RIGGING TRAINER DEVELOPMENT - COURSE #CA-006B
(1.4 CEUs)
(Prior Attendance at Day 1 is required in order to attend)
(Check in: 7:30 a.m. Program time: 8:00 a.m. – 5:00 p.m.)

- ◆ Inspection of slings per ASME B30.9
- ◆ Basic Block Concepts
- ◆ Rigging Math Workshop
- ◆ Rigging Jeopardy Challenge - I
- ◆ Wire Rope Terminations
- ◆ Rigging Jeopardy Challenge - II
- ◆ Crosby Electronic Training Tools/Apps Overview
- ◆ Discuss take home materials and final wrap up

Topics are subject to change.

OPTIONAL DAY 3
(Offered in Selected Cities Only)
ADVANCED RIGGING CONCEPTS
(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

OPTIONAL DAY 3
(Offered in Selected Cities Only)
HEAVY LIFT RIGGING - COURSE #HL-002
(Check in: 7:30 a.m.)
(Program time: 8:00 a.m. – 4:00 p.m.)

- ◆ The Basic Rigging Plan and Critical Lifts
- ◆ Heavy Lift Shackles and Hooks
- ◆ Heavy Lift Connections and Terminations
- ◆ Heavy Lift Block Considerations
- ◆ Sheave, Bearings, and Snatch Block Considerations
- ◆ Rigging Triangle and Heavy Loads
- ◆ D/d and W.L.L. of Heavy Slings
- ◆ Various 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-005 and CA-006B).
2. Must fill out the seminar roster each day.
3. Must attend a minimum of ninety percent (90%) of the seminar.
4. Must attain minimum of 70% overall on assessments.

If All Steps Above Are Met, You Can Earn the following "CEU" Credits.

Day One (CA-005) and Day Two (CA-006B) – attendees can earn 1.4 "CEUs". (Must attend both days).

To view course objectives go to the Crosby website, 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 The Crosby Group, Corporate Director of Value Added Training, Danny Bishop, at dannybishop@thecrosbygroup.com.



ASME/OSHA RIGGING TRAINER DEVELOPMENT PROGRAM

REGISTER THE FOLLOWING PERSON TO NOTED SEMINAR(S)

Name: _____

Company: _____

Address: _____

City: _____ State: _____ Zip: _____ Phone: _____

FAX: _____ E-mail Address: _____

(Must Have Fax or 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 26, 2016	8:00 a.m. – 5:00 p.m.	CA-005	Fundamentals of Rigging	Hillside, IL
<input type="checkbox"/> January 27, 2016	8:00 a.m. – 5:00 p.m.	CA-006B	Rigging Trainer Development	Hillside, IL
<input type="checkbox"/> January 28, 2016	8:00 a.m. – 4:00 p.m.	ADV-001	Advanced Rigging Course	Hillside, IL
<input type="checkbox"/> March 15, 2016	8:00 a.m. – 5:00 p.m.	CA-005	Fundamentals of Rigging	Nashville, TN
<input type="checkbox"/> March 16, 2016	8:00 a.m. – 5:00 p.m.	CA-006B	Rigging Trainer Development	Nashville, TN
<input type="checkbox"/> March 17, 2016	8:00 a.m. – 4:00 p.m.	ADV-001	Advanced Rigging Course	Nashville, TN
<input type="checkbox"/> March 22, 2016	8:00 a.m. – 5:00 p.m.	CA-005	Fundamentals of Rigging	Houston, TX
<input type="checkbox"/> March 23, 2016	8:00 a.m. – 5:00 p.m.	CA-006B	Rigging Trainer Development	Houston, TX
<input type="checkbox"/> March 24, 2016	8:00 a.m. – 4:00 p.m.	ADV-001	Advanced Rigging Course	Houston, TX
<input type="checkbox"/> April 5, 2016	8:00 a.m. – 5:00 p.m.	CA-005	Fundamentals of Rigging	Tarrytown, NY
<input type="checkbox"/> April 6, 2016	8:00 a.m. – 5:00 p.m.	CA-006B	Rigging Trainer Development	Tarrytown, NY
<input type="checkbox"/> April 7, 2016	8:00 a.m. – 4:00 p.m.	ADV-001	Advanced Rigging Course	Tarrytown, NY
<input type="checkbox"/> April 19, 2016	8:00 a.m. – 5:00 p.m.	CA-005	Fundamentals of Rigging	Dallas, TX
<input type="checkbox"/> April 20, 2016	8:00 a.m. – 5:00 p.m.	CA-006B	Rigging Trainer Development	Dallas, TX
<input type="checkbox"/> April 21, 2016	8:00 a.m. – 4:00 p.m.	HL-002	Heavy Lift Rigging	Dallas, TX
<input type="checkbox"/> May 3, 2016	8:00 a.m. – 5:00 p.m.	CA-005	Fundamentals of Rigging	Hillside, IL
<input type="checkbox"/> May 4, 2016	8:00 a.m. – 5:00 p.m.	CA-006B	Rigging Trainer Development	Hillside, IL
<input type="checkbox"/> May 5, 2016	8:00 a.m. – 4:00 p.m.	HL-002	Heavy Lift Rigging	Hillside, IL
<input type="checkbox"/> May 24, 2016	8:00 a.m. – 5:00 p.m.	CA-005	Fundamentals of Rigging	Pittsburgh, PA
<input type="checkbox"/> May 25, 2016	8:00 a.m. – 5:00 p.m.	CA-006B	Rigging Trainer Development	Pittsburgh, PA
<input type="checkbox"/> June 1, 2016	8:00 a.m. – 5:00 p.m.	CA-005	Fundamentals of Rigging	Los Angeles, CA
<input type="checkbox"/> June 2, 2016	8:00 a.m. – 5:00 p.m.	CA-006B	Rigging Trainer Development	Los Angeles, CA
<input type="checkbox"/> June 21, 2016	8:00 a.m. – 5:00 p.m.	CA-005	Fundamentals of Rigging	Brampton, ON
<input type="checkbox"/> June 22, 2016	8:00 a.m. – 5:00 p.m.	CA-006B	Rigging Trainer Development	Brampton, ON
<input type="checkbox"/> June 23, 2016	8:00 a.m. – 4:00 p.m.	ADV-001	Advanced Rigging Course	Brampton, ON

EMAIL THIS FORM ALONG WITH THE FOLLOWING PAGES TO CINDY.GRUBER@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.235 or E-mail cindy.gruver@thecrosbygroup.com.

*See schedule of other Crosby seminars via website: www.thecrosbygroup.com

*Attendee Disclosure Form must be submitted with this form.

Remainder of 2016 Schedule will be available after March 1st, 2016

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.

The Crosby Group reserves the right to deny access to Crosby sponsored training sessions at any time.

This form must be emailed to 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 235 or send email to cindy.gruver@thecrosbygroup.com.