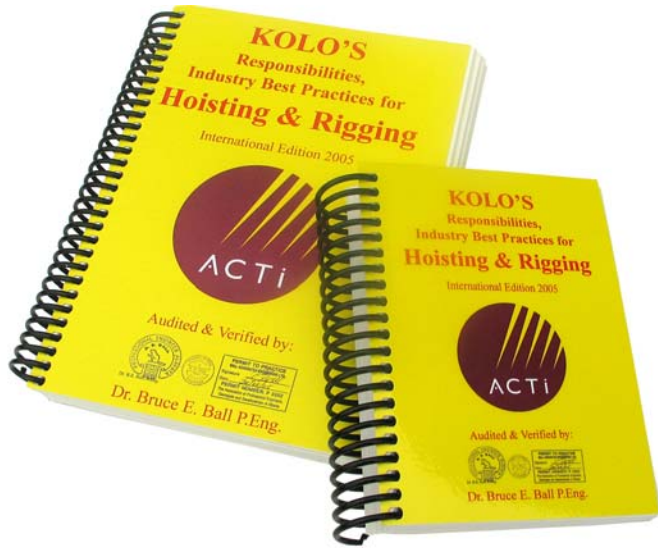


# Hoisting and Rigging Handbook Outline



This Hoisting & Rigging Handbook is among the very **first in North America to be standardized to all applicable national and international recognized codes and standards.** The material content is audited by an industry expert professional Engineer, (Dr. Bruce Ball) every three years to ensure current and compliant to all applicable codes and standards. Standardization is becoming an industry recommended practice for multi-site organizations. Having a single set of policies and procedures that is applicable to all of their hoisting equipment at every site, is very time efficient and cost effective to the company. It also provides the corporate office with proper traceability, ensuring crane operator training is consistent and constant in delivery, resulting in properly trained personnel, safer work-practices and work-sites. This is also the

objective evidence of due diligence for compliance to all applicable Health and safety Regulations in every province and state. If the standardization processes are properly implemented and maintained it will have a major impact in the reduction of all costs related to hoisting operations and equipment, which becomes a cost recovery program rather than another cost incurred. This handbook has been designed to meet all of these needs.

## ***Part One: Responsibilities, Industry Best Practices.***

As the Health & Safety regulations, codes and standards are changing across North America there is a critical need to provide employers, supervisors and crane operators, with proper information and Industry best practices that will help to make them more aware of their responsibilities, as this is the only way they can reduce their responsibility of liability in the event of accident or injury.

## ***Part Two: Hoisting Wire Rope Application (Rigging Hardware, Slings and Applications) (Hitch Types, Bridles and SWL formulas)***

To date it is a common practice that training crane operators and rigging applications are presented as separate programs. After extensive benchmarking and researching a number of instructors and end-users in this industry, we found that the majority of them were in agreement that these two programs should be integrated into one. The standards state that the crane operator is ultimately responsible for the load the moment it is live. If this is the case, all crane operators must have a complete understanding of proper rigging inspection, application and calculation for the SWL/WLL of the application prior to the lift. Taking this into serious consideration, both hoisting operations and rigging requirements have been integrated into this section. We also feel it is critically important for all crane operators to have a comprehensive understanding of the overall operational requirements of this equipment.

## ***Part Three: Documentation Process***

Due to the continuing changes in legislation and standards across North America as mentioned above, it is critical for employers, supervisors and operators to know and fully understand how to properly document and implement the required procedures for this equipment. Also included in this section is how to document a simple procedure and work instruction, perform hazard assessment, know due diligence, internal audit, non-conformance, corrective action and incident & accident reporting. Crane operators in the near future will be required to know and fully understand the codes, standards, health & safety requirements and most everything else that is included in this handbook.

**Our main objectivity is to ensure no one ever gets hurt on your watch.**

All Canadian Training Institute (ACTI)