



## CICT - Rigging

### 1. **COURSE OBJECTIVES**

- a. On completion of the course, you will know:
  - i. Your Roles and Responsibilities
  - ii. How to determine load weight
  - iii. How to read sling capacity charts
  - iv. How to determine safe working load (SWL)
  - v. The effect of sling angles
  - vi. How to find the center of gravity
  - vii. How to inspect rigging equipment
  - viii. Hand Signals

### 2. **OCCUPATIONAL HEALTH AND SAFETY (OH&S) ACT**

- a. **Obligations of Employers, Workers, etc.** 2(1)-(5)
- b. **Serious Injuries and accidents** 18(1)-(2)
- c. **Existence of Imminent Danger** 35(1)-(2)

### 3. **OCCUPATIONAL HEALTH AND SAFETY (OH&S) REGULATION**

- a. **General protection of workers** 13(1)-(4)
- b. **Duties of workers** 14(1)-(2)
- c. **Safety training** 15(1)(2)(4)(5)

### 4. **OCCUPATIONAL HEALTH AND SAFETY (OH&S) CODE**

- a. **PART 6 - Cranes, Hoists and Lifting Devices**
  - i. **Load weight** 68
  - ii. **Lift Calculation** 68.1
  - iii. **Loads over work areas** 69(1)-(5)
  - iv. **Tag and Hoisting Lines** 70(1)-(3)
  - v. **Hand signals** 71
- b. **PART 21 – Rigging**
  - i. **Breaking Strength** 292(1)-(2)
  - ii. **Safety Factors** 292.1(1)-(2)
  - iii. **Load Ratings** 293(1)-(2)
  - iv. **Inspection** 294
  - v. **Rigging Protection** 296
  - vi. **Standards** 297(1)-(4)
  - vii. **Slings** 298(1)-(2)
  - viii. **Rope wound on drum** 299(1)-(2)0
  - ix. **Cable Clips** 300(1)-(4)
  - x. **Matching Components** 302(1)-(5)
  - xi. **Safety Latches** 303(1)-(4)
  - xii. **Makeshift rigging and welding** 304

#### **Rejection Criteria**

- xiii. **Synthetic fibre slings** 305(1)-(4)
- xiv. **Wire Rope** 306(1)-(4)
- xv. **Electric Arc damage** 308
- xvi. **Damaged Hooks** 309



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### 5. STANDARDS

#### a. American Society of Mechanical Engineers (ASME)

i. ASME Standard B30.9-1996

ii. ASME Standard B30.20-2006