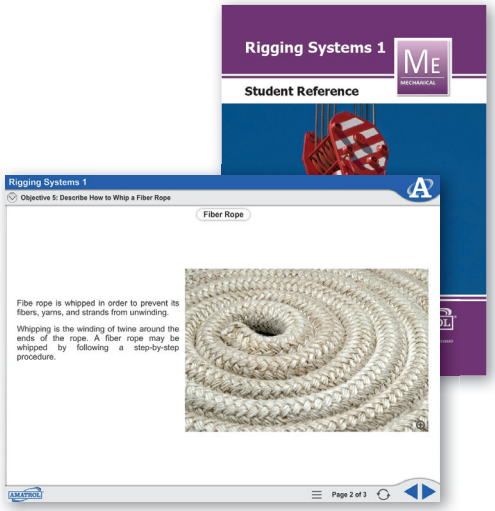
Rigging 1 Learning System

950-RGB1

ME
MECHANICAL

950-RGB1



Interactive Multimedia and Student Reference Guide

Learning Topics:

- Rigging Concepts
- Load Weight Calculations
- Hoists
- Hoist Selection and Inspection
- Sling and Lifts
- Crush Force Calculation
- Sling Efficiency
- Wire Rope
- Wire Rope Selection and Maintenance
- Chain Sling
- Chain Sling Selection and Maintenance

The Rigging 1 Learning System (950-RGB1) teaches how to safely move loads of different shapes and sizes using a variety of methods. Major topics covered by this learning system include hoists, slings, lifts, wire ropes, and chain slings. Rigging skills are required in many industries including manufacturing, construction, and transportation.

The 950-RGB1 System includes a 1-ton rated gantry crane with casters and component storage, hoists, slings, loads and load fittings to enable learners to replicate various on-the-job load movement applications. Hands-on skills include installing an eyebolt for lifting, calculating crush force, assembling and lifting a load using a two-leg wire rope bridle sling with shackles, and many more! This learning system also includes interactive multimedia curriculum for theory and lab, an instructor's guide, and a student reference guide. The 950-RGB1 can be used as a solid foundation toward industrial certifications and industry standard safety practices are followed throughout.

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Technical Data

Complete technical specifications available upon request.

Crane System, Electric Wire Rope
- Gantry Crane Assembly
- Plain Bearing Trolley (2)
- Electric Wire Rope Hoist
- 6/3 Extension Cord, 50-ft.
- Hand Chain Hoist, 1 Ton
- Wire Support Bracket
- Off-Set I Beam Clamp (2)
- 3/8-16 x 8 "J" Style Bent Anchor
- Cable Puller

Load Make-Up Items
- Load I-Beam, steel, 6-in. x 6-in. wide flange x 48-in. L
- Hanger Weldment (2)
- Weight Container Assembly
- Swivel Caster (4)
- Pipe For Lifting
- 46-in. of 4-in. x 4-in. x 0.25-in. Wall Square Steel Tubing
- Steel Rod 0.5-in. dia. X 48-in. long (4)
- 25 Pound Weight (8)
- Collar (2)
- Crib Block (4)
- Vertical Lift Assembly
- Orientation Rod

Wire Rope System
- Wire Rope Sling (2)
- Wire Rope Choker Sling

Chain Sling

Student Curriculum (MB560)

Instructor's Guide (CB560)

Installation Guide (DB560)

Student Reference Guide (HB560)

Additional Requirements:
- Twelve feet (12') of overhead clearance
- Hand Tool Package (41216)
- Rigging Ladder (41217)

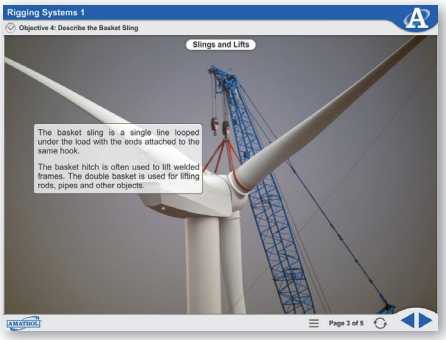
Utilities
- Electricity (120 VAC/60 Hz/1 phase)

Hands-On Training with Real World Loads

The 950-RGB1 uses a hefty 1-ton rated gantry and two types of hoists – electric wire rope and hand chain – that can lift industrial size loads. The ample dimensions of the gantry's frame provides plenty of room for learners to lift a load and demonstrate how to move it from one end of the gantry to the other. Other major components include a weight container assembly, steel I-beam, hanger weldment, pipe, eight 25-lb. weights, wire rope slings, chain sling, and more. Learners will use these components to practice skills like: assembling and lifting a load using a choker sling and inspecting a wire rope sling.

Vital Rigging Skills and Concepts Throughout Amatrol's Curriculum

Within the 950-RGB1 curriculum, learners begin studying rigging concepts, load and weight calculation, and load balance before moving onto more advanced topics and skills. Examples of these topics include describing two methods of calculating sling force, assembling and lifting a load using a two-leg wire rope bridle sling and shackles, and sizing and selecting a chain sling.



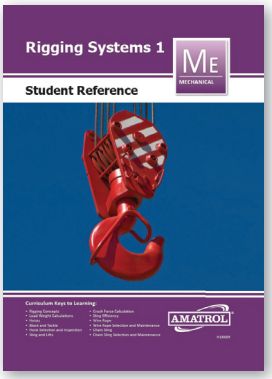
Amatrol provides this curriculum in a highly interactive multimedia format in lieu of traditional print-based learning activity packets (LAPS). This multimedia features all of the content from the printed curriculum in an exciting multimedia format with videos, 3D animations, voiceovers, and interactive quizzes.

Optional Rigging 2 and Rigging 3 Learning Systems

The 950-RGB1 features two important optional add-ons that will expand the learning system's capacity for rigging topics and skills. The Rigging 2 and 3 Learning Systems (95-RGB2 & 95-RGB3) will cover synthetic slings, industrial cranes, wire mesh swings, fiber rope, and load movement.

95-RGB2

95-RGB3



Student Reference Guide

A sample copy of the Rigging 1 Student Reference Guide is also included with the system for your evaluation. Sourced from the system's multimedia curriculum, the Student Reference Guide takes the entire series' technical content contained in the learning objectives and combines them into one perfect-bound book. Student Reference Guides supplement this course by providing a condensed, inexpensive reference tool that learners will find invaluable once they finish their training making it the perfect course takeaway

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