



Prolyte Rigging training Elementary Rigging Technology in the Entertainment Industry

Programme

Day 1

- Welcome, introduction and program explanation
- Safety, Responsibility & Liability, Legislation
- Lifting of unguided and guided loads; Standards and Codes of Practice, European Machinery Directive.
- Danger, hazards and risks. Risk reduction, factor of safety, factor of design, factor of use. Failure in deformation or breaking.
- Machinery & equipment: chain hoist (hand & electric), winch, theatre fly bar, wind-up & crane; lifting tools and lifting accessories
- Maintenance, inspection and testing and certification

Day 2

- Lifting materials: wire rope and wire rope slings, composition
- Wire rope sling terminations and characteristics
- Safe use of wire rope: bending and sharp edges
- Lifting materials: chain types: hoist chain & slinging chain,
- Hooks, shackles, beam clamps, eye-bolts etc.
- Lifting materials: webbing & round slings + soft steels

Day 3

- Slinging material, - standards, - methods & - factors, sharp edges
- Force calculation: . reaction forces
- Force calculation: . vector forces
- Force calculations: . two legged bridle forces

Day 4

- Hands on: bridle components and placement, secondary safeties
- Evaluation of bridle assemblies
- Truss: structural principle, connections and function of components
- Reading, understanding & interpretation of load tables
- Truss slinging, suspension materials & force factors
- Truss: Inspection & criteria for discard
- Truss: design & calculation check of truss structures

Day 5

- Fibre ropes & Knowledge of Knots
- Questions & calculation exercise
- EXAMINATION in ENGLISH
- Evaluation