



Rope and Sling Specialists

LEEA Lifting and Slinging Course Outline



Training Course Outline			
Course Name	Lifting And Slinging	Duration	2 days
Training Objective	To Act as a Slinger / Banksman (Part A)		
Enabling Objective	KLP No.	Key Learning Point	Method of Testing*
Carry out a brief covering: Health & Safety / Facilities / Refreshments			T
Demonstrate a knowledge of the legislation, regulations and standards governing the use of lifting equipment	1.1	British & European Legislation 1. UK: Criminal & Civil Law 2. EU: Status in UK Law	T
	1.2	Health & Safety at Work Summary 1. Section 2 – Brief Outline 2. Section 6 – CE marking 3. Section 7 & 8 - (Employees Duties)	T
	1.3	Lifting Equipment Definitions & Terminology 1. Lifting Operation 2. Lifting Equipment 3. Lifting Accessories 4. Lifting Machine 5. Thorough Examination 6. In Service Inspection / Pre Use Check 7. Responsible Person 8. Working Load Limit (WLL) 9. Safe Working Load (SWL) 10. Factor of Safety 11. Mode Factor	T
	1.4	PUWER '98 1. Regulation 3 - Application 2. Regulation 4 – Suitability 3. Regulation 5 – Maintenance 4. Regulation 6 – Inspection 5. Regulation 8 – Information & Instruction 6. Regulation 9 – Training LOLER '98 1. Regulation 2 – Interpretation 2. Regulation 3 – Application 3. Regulation 7 – Marking 4. Regulation 8 – Organisation 5. Regulation 9 - Thorough Examination 6. Regulation 10 - Reports & Defects	T
	1.5	Requirements for a Pre Use Check	T
Demonstrate a knowledge of Force Influences & Rating Methods	2.1	Calculate the forces in slings	T & P
	2.2	Uniform Load Method 1. How it is calculated (mode Factors) 2. Identification 3. Use (All new slings)	T
	2.3	Trigonometric Load Method 1. Old Equipment 2. Special Purpose Slings 3. Identification	T

Demonstrate how to do Load Estimation	3.1	Calculating Load Weight(s) 1. Importance 2. Cubes & Cylinders	T & P
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Course Name		Lifting & Slinging (Part B)	
Enabling Objective	KLP No.	Key Learning Point	Method of Testing*
Demonstrate a knowledge of different types of slings and how to carry out a pre use check	4.1	Textile Materials & Slings 1. Different Materials 2. Effects of Acids & Alkalis 3. Colour Code (Label & Material) 4. Different Sling Types 5. Pre Use Check (Faults)	T
Demonstrate a knowledge of different types of slings and how to carry out a pre use check	4.2	Chain Slings 1. Types of Slings (Welded/Assembled) 2. Materials (HTS & Alloy) 3. Grade marks 4. Effects of Acids (Alloy Steel) 5. Different Types (Single/Multi Leg) 6. Pre Use Check (Faults)	T
	4.3	Steel Wire Rope Slings 1. Manufacture 2. Lays (Ordinary & Lang's) 3. Different Terminations 4. Different Types (Single/Multi Leg) 5. Pre Use Check (Faults)	T
	4.4	Sling Configurations 1. Straight Pull 2. Choke Hitch 3. Basket Hitch(s) 4. Single & Double Wrap 5. Back Hooking 6. Pocket Guides	T
	4.5	Advantages / Disadvantages of different Sling types	T
Demonstrate a knowledge of different types of lifting accessories and how to carry out a pre use check	5.1	Shackles 1. Dee & Bow 2. Uses 3. Pre Use Check	T
	5.2	Eyebolts 1. Dynamo/Collared/Eyebolt with Link 2. Uses & Restrictions 3. Pre Use Check 4. New Types (Star)	T
	5.3	Shortening Clutches 1. Types 2. Uses	T
	5.4	Hooks 1. Types (Latch/Safety/Swivel) 2. Pre Use Check	T
	5.5	Rigging Screws 1. Types 2. Uses (Inline Only) 3. Pre Use Check	T
	5.6	Wire Rope Grips 1. Types 2. Uses 3. Correct Fitment 4. Pre Use Checks	T

Course Name	Lifting & Slinging (Part C)		
Demonstrate a knowledge of how to complete a lift plan	6.1	Complete a Lift Plan/Assessment	P
Demonstrate a knowledge of crane signals in accordance with BS 7121	7.1	Correct Crane Signals	P
Practical Assessment	8.1	Correct Selection of Lifting Equipment	P
	8.2	Complete a Safe Lifting Operation	P

* Method of testing is by either a Theoretical exam (T) or Practical (P) assessment