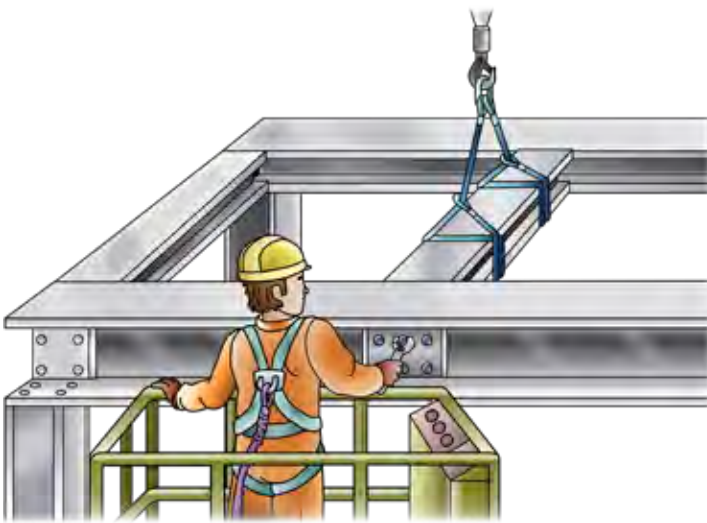


# BASIC RIGGING POWERPOINT NOTEBOOK



Training support material for:

**CPCCLRG3001**  
Licence to  
perform  
basic rigging



Learner name: \_\_\_\_\_

Student number: \_\_\_\_\_ Date: \_\_\_\_\_

# CONTENTS

<b>Introduction to Rigging – Basic</b>	<b>5</b>
<b>High Risk Licensing and the Law</b>	<b>9</b>
<b>Plan task</b>	<b>19</b>
<b>Select and inspect equipment</b>	<b>95</b>
<b>Set up task</b>	<b>125</b>
<b>Undertake basic rigging activities</b>	<b>195</b>
<b>Complete task</b>	<b>259</b>
<b>Test yourself – Learning tasks</b>	<b>273</b>

# INTRODUCTION TO RIGGING – BASIC

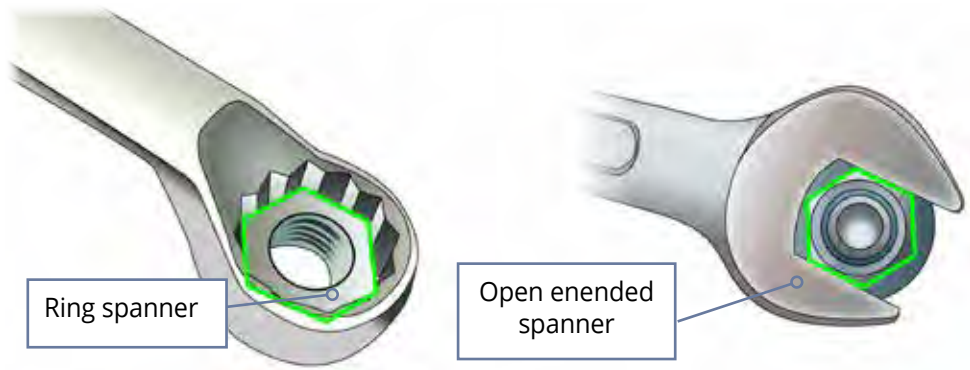




QUESTION 1

What type of spanner must you use when working high off the ground?

A ring or open spanner that is the right size.



QUESTION 2

What kind of spanner must never be used?

A shifter must never be used.



Notes



A series of horizontal dotted lines for taking notes.



Associated equipment – Part 2 (continued)

**Synthetic slings**

Synthetic slings are made from nylon, polyester, polypropylene or aramid polyamide.



**Shackles**

Shackles are used to attach slings to a load or anchor point.

Shackles are designed to take vertical forces only.

Shackles are either a 'D' shape or 'bow' shape.



**Terminations**

Terminations are used to secure the ends of wire ropes.

They include thimbles, sockets and double or single base clamps (saddle grips).



**Wedge sockets**

A wedge socket termination is useful when the fitting needs to be changed frequently.



**Blocks**

A block is an appliance that supports one or more sheaves.

When a rope is reeved (threaded through) a sheave it is called a tackle.



**Plate clamps**

Plate clamps are used to lift steel plates.

They latch onto the edge of the plate and can be used to lift the load vertically or horizontally.



Notes



Series of horizontal dotted lines for writing notes.

**Beam clamps**

Beam clamps are used to attach or suspend equipment such as temporary lifting gear to the bottom flange of an over head beam or girder.



**Eyebolts**

An eyebolt is a lifting lug (a projection by which something is held or supported) that is screwed into a load. There are two types of eyebolts.

Collared eyebolt



Uncollared eyebolt



**Turnbuckle or rigging screws**

An attachment used to tension:

- Rope
- FSWR
- Chain
- To provide fine adjustment.



**Wire rope grip (bulldog grip)**

A removable device used to secure the end of wire ropes. Used in permanent fixed stays or guys.



**Lever block**

A hand-powered device used to hoist a load suspended on a chain.

Also called a come-along, com-a-long or chain puller.



**Chain block**

A portable device used to hoist a load suspended on a chain.



Notes



.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....



# SELECT AND INSPECT EQUIPMENT

## Element 2

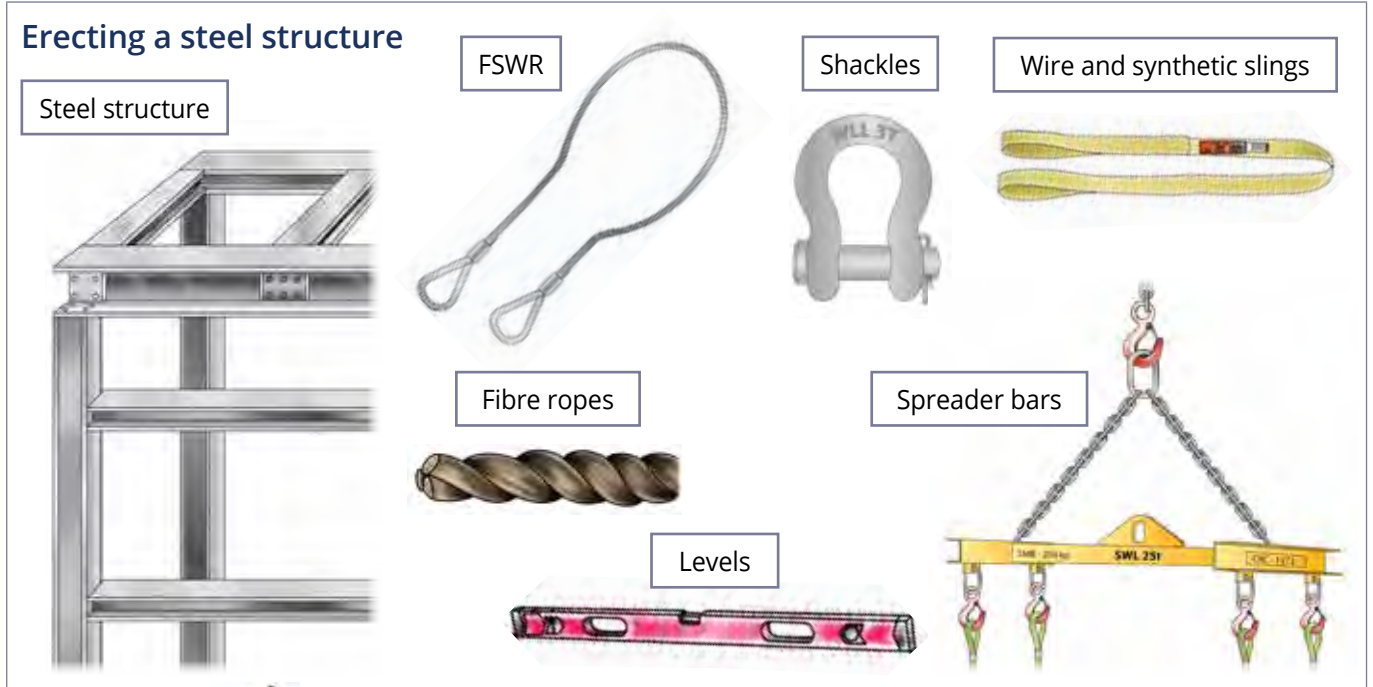


### Select and inspect rigging equipment

When you start a job you need to select and inspect the right rigging equipment.

#### Choosing the right equipment for the task

There are many different rigging tasks you will have to do. For each task, there are common pieces of equipment you will need. The following details show some examples of common basic rigging tasks and the equipment needed for them.



Notes



A series of horizontal dotted lines for taking notes, starting from the 'Notes' section and extending down the page.

### Erecting a steel structure (continued)

Chains



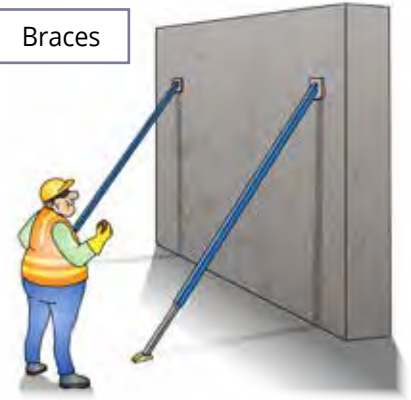
Bolts



Wedges



Braces



Spanners



Podger bars



### Setting up horizontal lines

Horizontal line



FSWR



Anchors



Eye bolts



Rope grips



Bolts



Turnbuckles



Notes



A series of horizontal dotted lines for taking notes.