

LEARNER GUIDE



**This material is only intended for use with a Scissor lift
Includes question/answer and operational checklists**



EWP- Scissor Lift

RII COMPETENCY

Training support material for:

**RIIHAN301E –
Operate elevating work platform
(Scissor lift)**

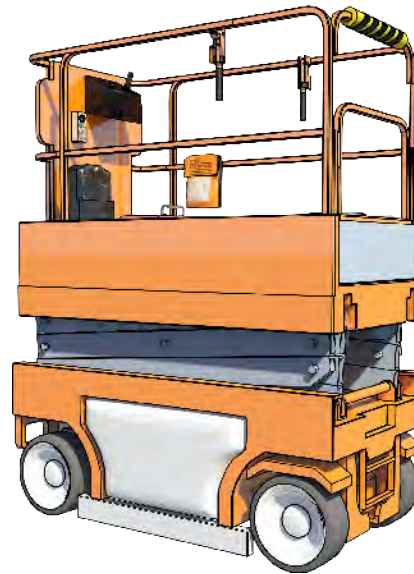
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Introduction to Scissor lift



Parts of a scissor lift



Types of scissor lifts

Scissor lifts are work platforms which can be raised to make working at heights much easier. There are a number of different types of scissor lift available. Some examples are:

Self propelled

Designed for use on solid, flat surfaces.



Self propelled with stabilisers/outriggers

Designed for use on rough terrain.

Can be electric or combustion engine powered.



Manually propelled with stabilisers/outriggers

Designed for use on solid surfaces only.

Operator must push machine into position manually before elevating.



Manually propelled single man lift

Push around type.

Only one person allowed to be on platform.



Types of scissor lifts (continued)

Trailer mounted



Vehicle mounted



Plan and prepare for operating an elevating work platform

Element 1



You are using a scissor lift with a working load limit of 300 kg to do some painting work. You need to work out how many tins of paint you can safely lift with you.

1. In this example, the weight of each tin of paint is 25 kg.



25 kg

2. Your weight is 90 kg and your fall arrest harness and lanyard is 10 kg.



90 kg

10 kg

3. Add the weight of your fall arrest equipment to your body weight.

$$90 \text{ kg} + 10 \text{ kg} = 100 \text{ kg}$$



$$90 \text{ kg} + 10 \text{ kg} = 100 \text{ kg}$$

4. Now subtract this from the working load limit of the scissor lift.

$$300 \text{ kg} - 100 \text{ kg} = 200 \text{ kg}$$



$$300 \text{ kg} - 100 \text{ kg} = 200 \text{ kg}$$

5. To work out how many paint tins you can lift, divide 200 kg by the weight of each tin of paint.

$$200 \text{ kg} \div 25 \text{ kg} = 8$$

You can safely carry 8 tins of paint on this scissor lift.



QUESTION 8

How can you find out the weight of everything on the platform?

Add the weight of the operator, the tools and equipment and materials together. The total must **not be more** than the WLL.

Operator 85 kg + Tools and equipment 25 kg + Materials 50 kg = **160 kg** Weight in basket

WLL 225 KG

QUESTION 9

Where can you find out the highest wind speed (velocity) the scissor lift can work in?

On the scissor lift data plate or in the scissor lift operator manual.

