

MEWP - Scissor – A25

Learning for CPCS



Outcomes

Through a combination of targeted training and experience, an individual with the MEWP - scissor will be able to:

Roles and responsibilities	<ul style="list-style-type: none">• Describe the nature of the sector of industry and their role and responsibilities as an access operator
Preparing for work	<ul style="list-style-type: none">• Name and explain the purpose of principal components, the basic construction, controls and terminology• Conform with manufacturer's requirements as per the operator's handbook, other types of information source and relevant regulations and legislation• Undertake all pre-use checks• Check emergency lowering functions
Travelling and manoeuvring	<ul style="list-style-type: none">• Configure and set for site travel• Travel over level surfaces and inclines• Explain travel procedures and precautions over rough terrain and inclines• Manoeuvre in confined spaces
Setting up for work	<ul style="list-style-type: none">• Configure and set for accessing duties• Position the platform to access a work position• Explain actions required for hazards, underground and overhead services
Working tasks	<ul style="list-style-type: none">• Access working points up to full operating height• Travel with a raised platform (where applicable)• Employ extension units
Shutting down	<ul style="list-style-type: none">• Carry out shut down and securing procedures• Explain the loading and unloading procedures for machine transporting

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Syllabus

Learning outcome	Training content	
<ul style="list-style-type: none"> Describe the nature of the sector of industry and their role and responsibilities as an access operator 	<ul style="list-style-type: none"> Industry type Role Reporting structures Lifelong skills Social responsibilities 	<ul style="list-style-type: none"> Communication with colleagues / management / other trades Health and Safety at Work Act Environmental issues
<ul style="list-style-type: none"> Name and explain the purpose of principal components, the basic construction, controls and terminology 	<ul style="list-style-type: none"> Differing types Functions and applications Power units Hydraulic systems Drive systems Chassis / wheels / tyres 	<ul style="list-style-type: none"> Stability / ground pressure Outriggers Attachments / extensions Safety systems / isolators
<ul style="list-style-type: none"> Conform with manufacturer's requirements as per the operator's handbook, other types of information source and relevant regulations and legislation 	<ul style="list-style-type: none"> Operator's Manual Machine decals Health and Safety at Work Act PPE / harnessing Codes of Practice Site plans / drawings 	<ul style="list-style-type: none"> Method statements Certification Risk assessments / COSHH Inspection and reporting forms / procedures
<ul style="list-style-type: none"> Undertake all pre-use checks 	<ul style="list-style-type: none"> Regular and non-scheduled maintenance procedures 	<ul style="list-style-type: none"> Sequence of pre-use checks Defect reporting
<ul style="list-style-type: none"> Check emergency lowering functions 	<ul style="list-style-type: none"> Types Procedure 	<ul style="list-style-type: none"> Security and hazards
<ul style="list-style-type: none"> Configure and set for site travel 	<ul style="list-style-type: none"> Steering controls Attachments / accessories Travel position 	<ul style="list-style-type: none"> Site travel Visibility Road Traffic Act
<ul style="list-style-type: none"> Travel over level surfaces and inclines 	<ul style="list-style-type: none"> Travel routes Slopes / inclines Direction of travel Traction Hazards 	<ul style="list-style-type: none"> Working area Ground conditions Personnel integrity Environment protection / minimise damage
<ul style="list-style-type: none"> Explain travel procedures and precautions over rough terrain and inclines 	<ul style="list-style-type: none"> Machine capability Routes Stability Ground clearance 	<ul style="list-style-type: none"> Traction Environment protection / minimise damage

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Syllabus (continued)



Learning outcome	Training content	
<ul style="list-style-type: none"> • Manoeuvre in confined spaces 	<ul style="list-style-type: none"> • Visibility • Limitations of vision • Hazards • Height restrictions 	<ul style="list-style-type: none"> • Protection of ground / surface / tight turns • Environmental / noise / fumes
<ul style="list-style-type: none"> • Configure and set for accessing duties 	<ul style="list-style-type: none"> • Machine capability • Required specification • Height 	<ul style="list-style-type: none"> • Platform loadings • Tools / equipment security • Personnel security
<ul style="list-style-type: none"> • Position the platform to access a work position 	<ul style="list-style-type: none"> • Machine positioning • Ground • Hazards • Stability 	<ul style="list-style-type: none"> • Working area segregation • Signalling
<ul style="list-style-type: none"> • Explain actions required for hazards, underground and overhead services 	<ul style="list-style-type: none"> • Types of typical services • Reporting procedures for damage to services 	<ul style="list-style-type: none"> • Minimum distances and clearances • Warning / identification systems
<ul style="list-style-type: none"> • Access working points up to full operating height 	<ul style="list-style-type: none"> • Hazards • Raising / lowering controls • Stability 	<ul style="list-style-type: none"> • Environmental / noise / fumes • Environmental / weather conditions
<ul style="list-style-type: none"> • Travel with a raised platform (where applicable) 	<ul style="list-style-type: none"> • Machine capability • Travel route • Hazards • Travel surface • Travel controls 	<ul style="list-style-type: none"> • Travel route segregation • Visibility • Direction of travel / steering
<ul style="list-style-type: none"> • Employ extension units 	<ul style="list-style-type: none"> • Types • Hazards 	<ul style="list-style-type: none"> • Environmental factors
<ul style="list-style-type: none"> • Carry out shut down and securing procedures 	<ul style="list-style-type: none"> • Shut down procedures • Security 	<ul style="list-style-type: none"> • Parking and positioning
<ul style="list-style-type: none"> • Explain the loading and unloading procedures for machine transporting 	<ul style="list-style-type: none"> • Compatibility • Positioning 	<ul style="list-style-type: none"> • Security • Types of transporter

Note: The listed training content should not be considered exhaustive and subjects may be added to reflect the individuals' working environment.

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Safety critical



Emphasis to be placed on the following topics:

Topic	Emphasis
<ul style="list-style-type: none">• Stability	<ul style="list-style-type: none">• Manufacturer’s guidance followed with regards to working and travelling at height
<ul style="list-style-type: none">• Fall arrest equipment	<ul style="list-style-type: none">• Selection of the correct type following a comprehensive risk assessment of the activity and MEWP type

Duration / Ratios

To allow effective learning, these training times are recommended for this category. Candidates must be profiled to establish learning needs. Durations should be of a length to ensure the learning outcomes are met.

Experience	Accumulated hours
<ul style="list-style-type: none">• Novice operators with no industry or machine experience	14
<ul style="list-style-type: none">• Novice operators with industry experience but no machine experience	14
<ul style="list-style-type: none">• Operators with unrelated (access) machine experience	7
<ul style="list-style-type: none">• Operators with similar (access) machine experience	7

All candidates must have received the equivalent to 7 hours of site safety and induction training

To allow effective learning, the listed candidate / machine / instructor ratio is the maximum recommended for this category

3 candidates : 1 machine: 1 instructor

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Resources



Practical equipment	Theory equipment
<ul style="list-style-type: none"> • MEWP scissor that meets current legislation • Operator’s manual for the machine(s) • Sufficient area of ground suitable for travelling and manoeuvring • Structures for accessing <p>PLUS</p> <ul style="list-style-type: none"> • Suitable PPE • Harnessing (if required) • Risk assessment for all areas where training is occurring 	<ul style="list-style-type: none"> • PUWER 1998 Regulations • LOLER 1998 Regulations • HSE GS6 • Operator’s Manual • Specifications for types of MEWP scissors <p>PLUS</p> <ul style="list-style-type: none"> • Suitable room for theory training purposes • Welfare and rest facilities during training.

Category

Category description and types

CPCS defines a category as an item of plant or equipment used within the construction or allied industries and worked in accordance with the manufacturer’s basic design. Although this category can have varying uses within industry and used with many attachments, for CPCS training and assessment standards, the descriptions reflect basic core use.

To identify a machine within this category, a typical MEWP scissor would normally have the listed features and be used within the described characteristics.

Category features	Category characteristics
<ul style="list-style-type: none"> • Chassis containing a power unit; drive, hydraulic and electrical units • Hydraulically operated vertically raisable platform 	<ul style="list-style-type: none"> • Able to travel in forward and reverse and change direction during travel by steering from the operating platform • Mostly used on smooth surfaces but some units can travel and operate on uneven and loose ground and slopes • Raisable platform allows work to be carried out at height from the platform