

# Scaffold Tool & Training Company

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STC 301

Name \_\_\_\_\_

# ADVANCED SCAFFOLDING KNOWLEDGE QUESTIONS

Helping you get it right

Couplers  
Scaffold Belts  
Scaffold Tools  
Steel Scaffold Sales  
Scaffolding Pouches  
Aluminum Scaffold Sales  
Forklift & EWP Operation  
Scaffold Maintenance & Repairs  
Basic, Intermediate & Advanced Scaffolding Training & Assessment

# THE PROFESSIONALS IN SCAFFOLD TRAINING

## SECTION ONE: HUNG SCAFFOLD REQUIREMENTS

1.

a) Would you use open-ended hook rods to construct a hung scaffold?

**No**

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b) What is this minimum diameter of flexible steel wire rope you would use to support a hung scaffold?

**11mm**

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c) Will a Grade (M) chain support a greater or a lesser load than a Grade (T) chain?

**A lesser load**

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d) What is the minimum working load limit for beam clamps, trolleys and shackles used to support a hung scaffold?

**500kg**

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e) What would you use to protect a flexible steel wire rope from damage when it is fixed around the sharp edges of a beam?

**Beam chaffers (or half rounds or split tubes)**

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f) When a ledger is supported in the eye of a sling, how would you stop it from sliding?

**Fix a coupler on each side**

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g) How would you stop shackle pins from unwinding?

**Mouse them**

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h) What sort of coupler bolt-threads are unsuitable for fixing hung standards?

**Speed threads (or multi-start threads)**

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i) Would you extend the length of a hung standard by fixing scaffold tubes with end-to-end couplers?

**No**

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## SECTION TWO: SUSPENDED SCAFFOLD REQUIREMENTS

2.

a) What is the minimum rated working load for a trolley used to support a suspension rope?

**500kg**

b) Would you fix a cradle's working load limit sign to the inside or to the outside of the cradle?

**To the inside**

c) What is the minimum cradle width for a double rope suspended scaffold?

**900mm**

d) What is the maximum cradle width for a double rope suspended scaffold?

**1.7m**

e) What is the minimum width of a swing stage cradle?

**450mm**

f) What is the maximum width of a swing stage cradle?

**900mm**

g) What is the minimum width of a work cage?

**750mm**

h) What is the maximum width of a work cage?

**1.5m**

i) What is the minimum height of a stabilising sheave above the platform of a work cage?

**2m**

j) Would you fix the inboard end of a needle with friction anchors?

**No**

k) Can bags of sand be used to counterweight a needle?

**No**

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# THE PROFESSIONALS IN SCAFFOLD TRAINING

l) Would you use counterweights to fix a needle which supports two suspension ropes?

**No**

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m) What is the maximum rope tension allowed on a shackle used to support a suspension rope?

**80% of rated working load (or 80% of SWL)**

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n) What is the maximum rope tension allowed on a choked sling used to support a suspension rope?

**40% of rated working load (or 40% of SWL)**

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o) Where two trolleys are used to support a swing stage, how would you stop them from spreading?

**Connect them with a spacer tie (or spreader bar)**

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p) When a drum-type scaffolding hoist is at its lowest point, how many full turns of rope should remain on the drum?

**3**

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q) With a fully-loaded drum-type scaffolding hoist, how far should the drum flange extend beyond the built-up rope?

**2 rope diameters**

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r) When a climber-type scaffolding hoist is at its lowest point, what is the minimum length of spare rope?

**1m**

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s) Would you use bulldog grips to secure a suspension rope?

**No**

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t) What type of suspended scaffold does not need a protective device for each scaffolding hoist?

**A double rope suspended scaffold**

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u) What type of scaffolding hoist must be fitted with a load limiting device?

**An electronically powered scaffolding hoist**

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