

SCAFFOLDING INTERMEDIATE SAFETY AND LICENCE GUIDE



Training support material for:

CPCCLSF3001
Licence to erect, alter
and dismantle scaffolding
intermediate level

Produced by:



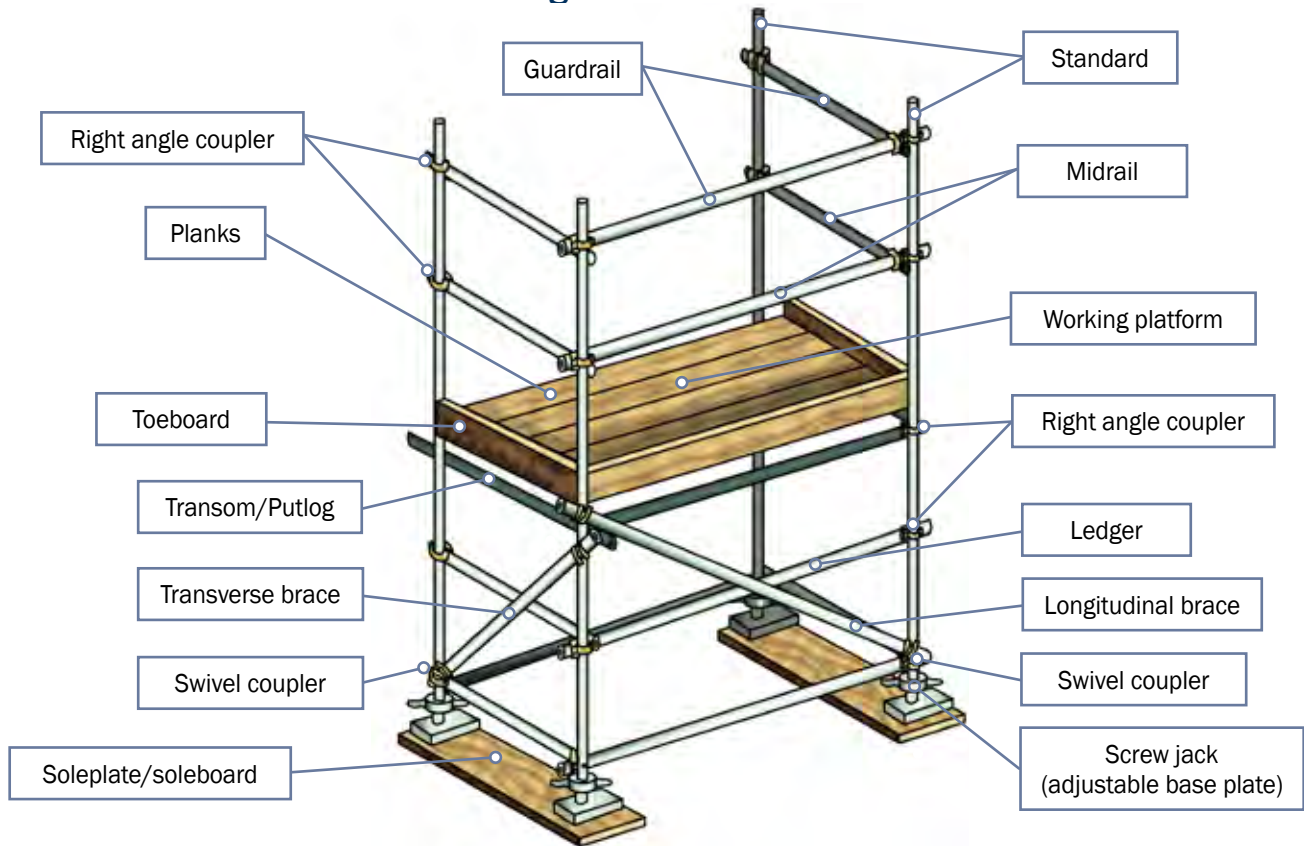
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INTRODUCTION TO INTERMEDIATE SCAFFOLDING



Parts used in intermediate scaffolding



Note: Throughout this guide certain aspects have been left off scaffold images for clarity purposes.

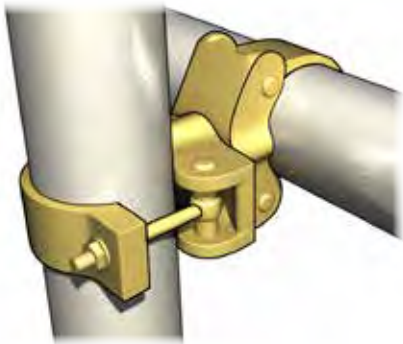
Tube-and-coupler scaffolding

A tube-and-coupler scaffold is constructed with standards, ledgers, braces and ties that are steel tubes joined together with purposed-designed couplers.

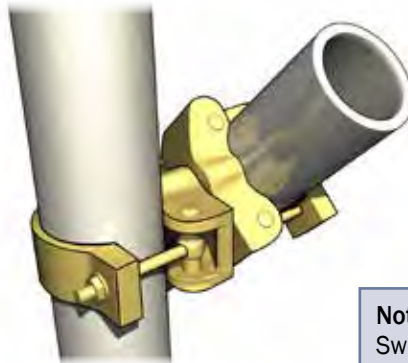


Examples of couplers

Right angle coupler - 90°

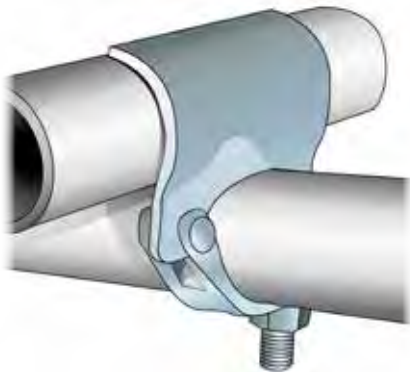


Swivel coupler - tubes at 45° or any angle required

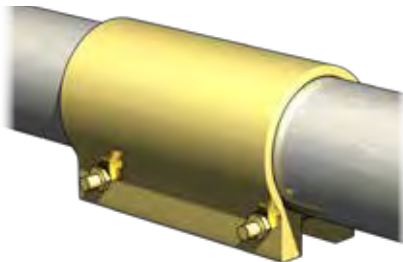


Note:
Swivel couplers are **not** load bearing

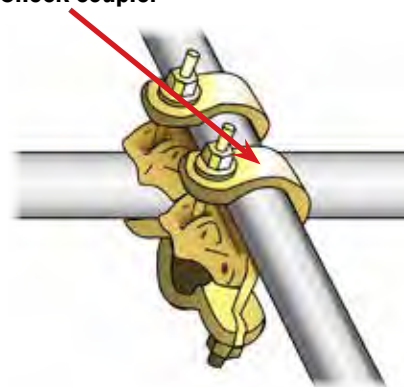
Putlog coupler



External joiner



Check coupler



Explanation of bay and lift

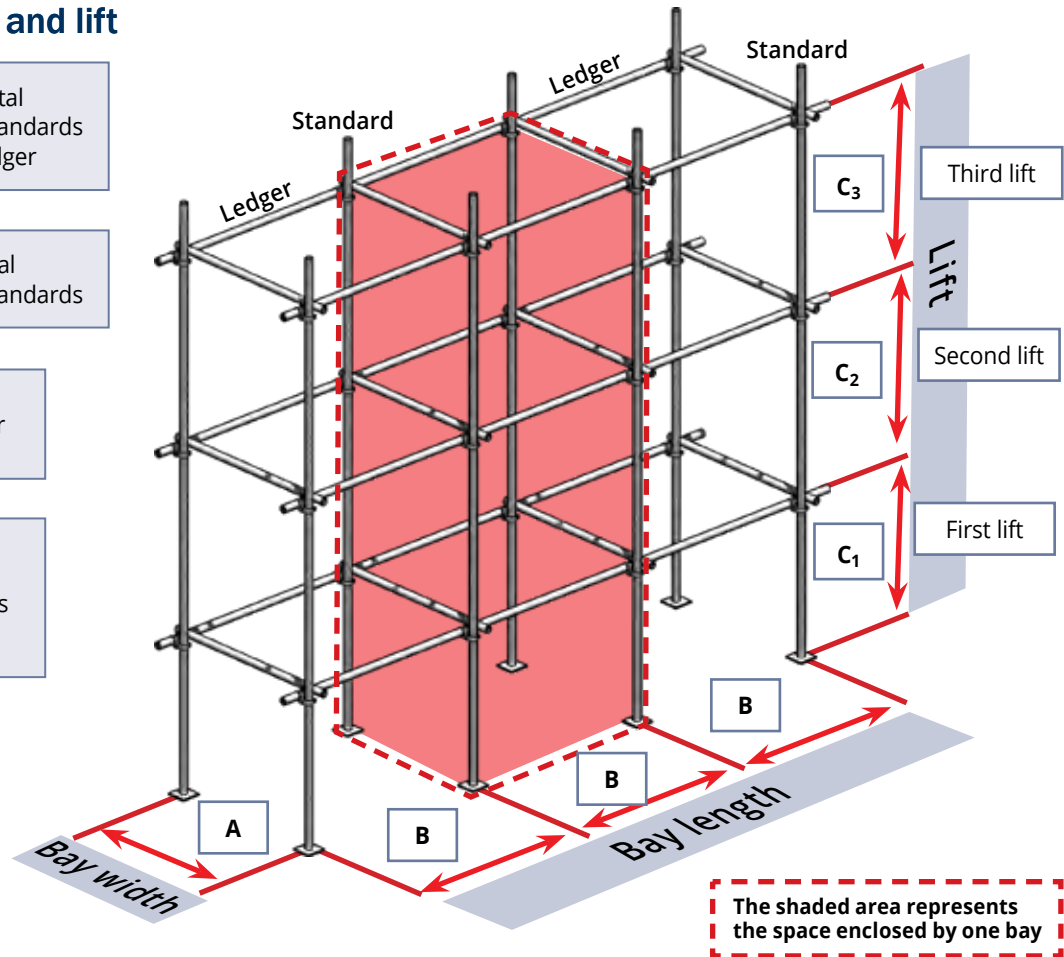
Bay length is the horizontal measurement between standards along the length of the ledger

Bay width is the horizontal measurement between standards

Bay
The space enclosed by four adjacent standards

Lift
The vertical distance between working platforms (usually 2 metres)

- A - Bay width
- B - Bay length
- C₁ - First lift
- C₂ - Second lift
- C₃ - Third lift



Scaffolding terminology

These scaffolding terms begin with components at ground level and move up from there.

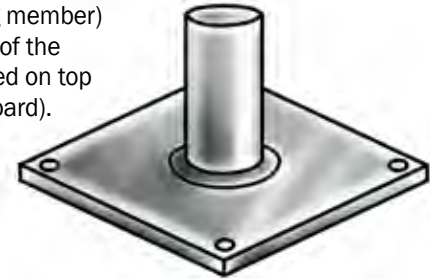
Soleplate (soleboard)

A timber board used under a baseplate or screw jack to distribute the weight of the scaffold on to the ground.



Baseplate

A plate with a locating pin placed underneath a standard (vertical load bearing member) to spread the weight of the scaffold usually placed on top of a soleplate (soleboard).



Adjustable baseplate (screw jack)

A threaded bar with a large nut that fits inside a standard, to level a scaffold.



Board (plank)

Is constructed of timber and used to span across transoms to form a working platform (deck). These boards cannot be less than 220 mm in width.



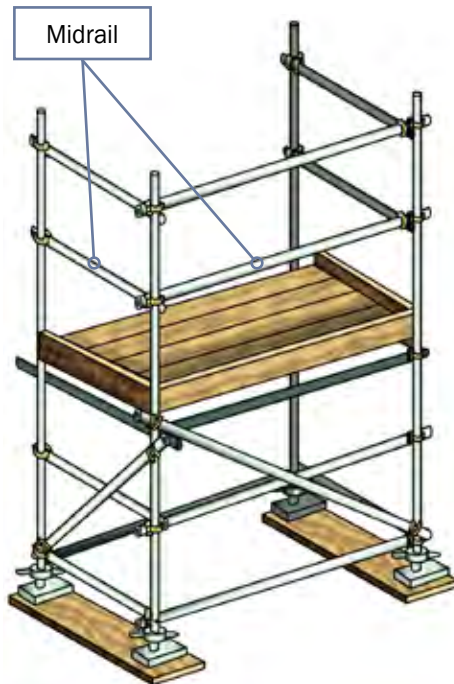
Note:

Steel planks are **not** used in tube and coupler scaffolding.

Scaffolding terminology (continued)

Midrail

A horizontal member fixed parallel to the working deck located on the inside of the standards midway between the toeboard and the guardrail, to prevent persons or objects falling from a scaffold.

**Guardrail**

A horizontal member fixed parallel to the working deck located on the inside of the standards, not less than 900 mm or more than 1100 mm above the working platform.

These must be used with a midrail and a toeboard where a person or object can fall 2 metres or more.

