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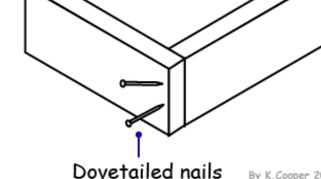
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Joining timber using Components

In industry wood joints are being substituted for new quicker and cheaper methods of fixing wood together. The commercial move towards flat pack furniture has encouraged the use of these components.

Nails

Nails are used to improve very weak joints but they can rust within the timber. Nails on wood joints are often used with glue to improve the joints strength. Nails are often used for quick fix's such as fixing backs of cupboards and general building and DIY work. Nails and pins are usually made of mild steel and come in many types e.g. – panel pins, veneer pins, oval nails and round nails. Putting nails in at an angle or dovetailing the nails makes a stronger joint. Nails are useful for fixing woods to woods.

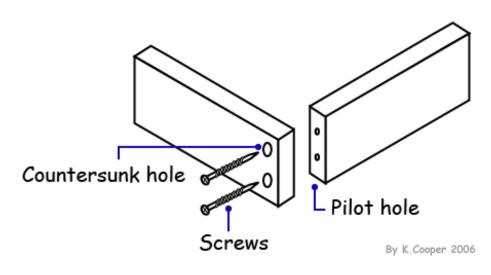


nails By K.Cooper 2006

The nails above are put in on an angle (dovetailing) to make the joint stronger.

Screws

Screws are often used with glue to improve joints strength. A screw is at its strongest when used across the grain. There are many types of screws but the most popular are the cross-head screws as they are easier to fix in by hand or using an electric screwdriver. Screws can come with flat heads or cross heads. Flat headed screws if counter sunk will run flush with the wood. This means that the screw will be neat and not obvious to see. Screws are useful for fixing woods to woods or metal or plastic to woods.



Useful web links

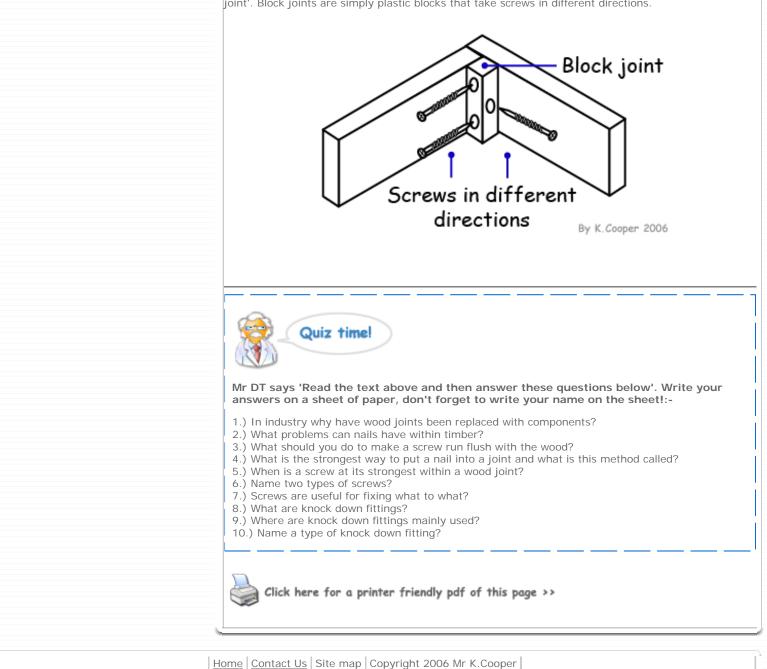
Components pages

More about components from the BBC bitesize website.

View the components pages >>

Knock down fittings

Knock down (KD) fittings are mainly used within flat pack furniture or for assembly by the user. They are used within kitchen units or self-assembly furniture. Knock down (KD) fittings are often plastic fittings which can be joined together with one screw or bolt. A simple knock down fitting is a 'block joint'. Block joints are simply plastic blocks that take screws in different directions.



http://www.lanfrancdt.co.uk/manufacturing/JoiningtimberusingComponents.htm (2 of 2)03/12/2006 12:08:43