

Joining timber

What you will learn

When you have finished the worksheets on joining timber, you should be able to:

- Identify the common types of timber-joint.
- Choose the correct joint for a job.
- Make simple joints correctly.
- Choose the correct fixings (nails, screws, bolts for example).
- Fix simple joints correctly.

Tools or equipment

You will need tools to make joints:

Measuring and marking tools

Saw, chisels

Vice or clamps

Hammer, screwdriver and drill

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Course resources

Course Video. This shows you some joints and fixings like nails and screws.

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What types of joints do we use?

Here are some pictures of buildings showing how timber is joined together.

Traditional/customary joints

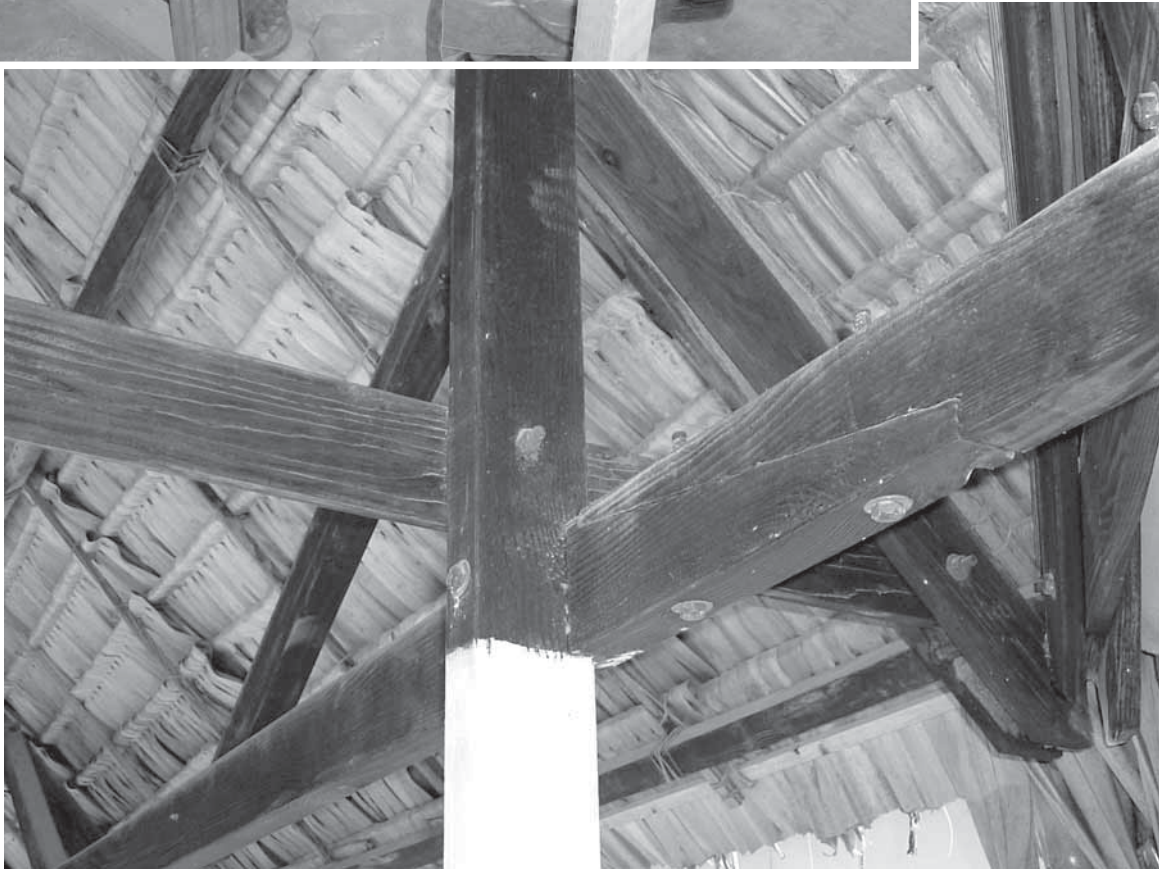


Joints used for new-style construction:

Joints cut into the wood



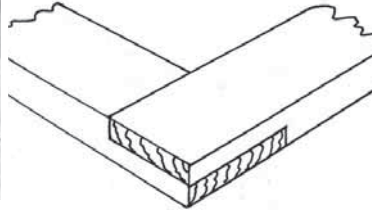
Joints fixed with nails, bolts or screws



Here are some pictures of common timber joints



Butt joint



Lap or halving joint



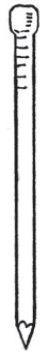
Housing or dado joint

Look back at the photos of buildings.

- Which of the joints can you find?
- Can you find any joints made with nails — and bolts ?
- What sort of joints can you see around you in the room?

What types of fixings can you use?

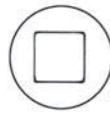
Here are some types of fixings



Nail



Screw



Bolt

What else can you use to fix timber together?

What sort of fixings do you have where you live?

Which type of fixing is best?

Your tutor will talk to you about the best sort of fixings. What do you think?

Now work through each worksheet

Each worksheet shows

- what the joint is normally used for
- how the joint is made
- how the joint is fixed

Your tutor will show you:

- examples of each joint.
- how to make each joint correctly
- the dangers to watch out for — and the safe way to do things

You will:

- practise making each type of joint.
- work in groups of 2 or 3 people.
 - talk to each other
 - help each other to get things right and make good joints
 - check that others are doing things safely.