

## Electric shears and nibblers

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1

Electric shears and electric nibblers are power tools useful for cutting steel building frames. They provide an alternative cutting method to hand tools such as snips.



2

⚠ As with all electric tools, ensure safety procedures are followed and that the tool is in good condition and regularly tagged.



3

The **electric shear** operates by cutting-out a continuous strip that leaves the material on either side of the cut undistorted.



4

When cutting any straight line, it's best done by measuring the line and marking it out with a ruler, giving you an easy-to-follow guide.



5

The shear is limited to straight cutting, but can be used for notching or cutting 90° cut-offs on stud or noggin sections.



6

Cutting with a shear will produce a strip of scrap that can easily and safely be disposed of in a scrap recycling container.



7

The **electric nibbler** is more versatile than the shear giving you scope to cut to a particular shape.



8

Like the shear, the nibbler will cut in a straight line. It will also cut other steel framing profiles such as roof battens.



9

⚠ Nibblers produce sharp off-cuts in the shape of half-moons. Please ensure the scrap doesn't fall on the ground or floor as it will be picked up by your shoes.

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Work safely with steel

BlueScope Steel recommends safety precautions are taken when working with steel – protect yourself with long sleeves, steel-capped boots, gloves and safety glasses and ensure you have the right tool for the job.

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## Electric shears and nibblers (continued)

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10

Penetration slots can be cut using both the shear and the nibbler. First apply holes to the stud or noggin by using a punch or tungsten carbide hole cutter and cut out the two holes to form the curved ends of the penetration hole.



11

Then cut out the hole using your electric nibbler...



12

...or electric shear.



13

The finished penetration slot, in this example, made by an electric nibbler.

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