


## Making penetration holes using a tungsten carbide hole cutter

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 Making penetration holes for ventilation or services is easily achieved in all steel framing thicknesses by drilling with tungsten carbide cutters. Seek the advice of a qualified engineer if drilling large holes in load-bearing studs.



**1** To drill a penetration hole in a **boxed stud** first locate the centre point for the hole on one side of the stud and drill.



**2** Use a lubricant to assist with cutting and extend the life of the cutter.



**3** Once the first side is penetrated, push through to locate the pilot hole on the other side.



**4** Using the pilot hole, drill back from the other side to complete the hole.



**5** Drilling **back-to-back C-channels** is simple.



**6** First, locate the centre point.



**7** Then drill until both wall thicknesses are penetrated.



**8** Hole cutting creates swarf. Remove swarf to avoid risk of corrosion. For a professional result, clean up any swarf on the surface of the metal. Use a magnet to efficiently remove swarf from the base plate.

### 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.

For more information visit [truecore.com.au/tradies](http://truecore.com.au/tradies) or call BlueScope Steel Direct 1800 800 789.

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