



SERIES: MAKING HOLES

**MAKING PENETRATION HOLES
USING A HYDRAULIC PUNCH**

Making penetration holes for ventilation or services is easily achieved in steel thicknesses up to 3.2mm by using a hydraulic punch. Seek the advice of a qualified engineer if punching large holes in load-bearing studs.



1 A hydraulic punch has a fast action slip on/off chuck making it quick and easy to use.



2 Remove the slug by slipping off the chuck.



3 Use the punch for single C-channel studs, noggins and top plates.



4 The same hydraulic tool is used to make smaller holes for water pipe and electrical cable.



5 Larger penetration holes are achieved by fitting a larger mandle into the tool.



6 A larger pilot hole is required for the bigger mandle. In this case, use a water pipe-size punch or cutter.



7 A hand punch for light gauge steel is used to create the pilot hole.



8 Or use the pre-made service holes already provided in the frame studs as pilot holes for the large punch.