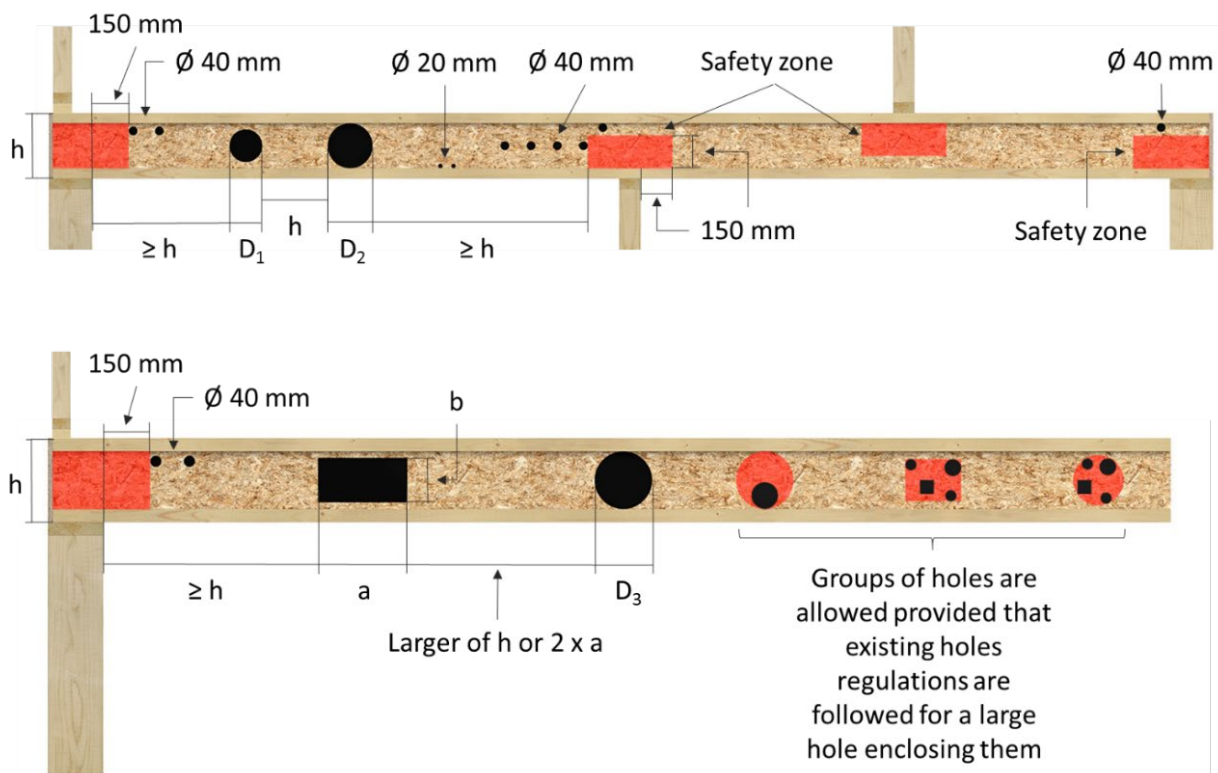


# Masonite Beams

## Regulations Regarding Holes in Web

- Unless otherwise stated:**
- All holes must be placed on the centre of the web.
  - No holes are allowed in the safety zones.
  - Holes must not extend into the flange material.

- Holes with diameter less than 20 mm can be placed anywhere in the web, but with a minimum distance of 40mm between holes.
- One hole with diameter less than 40 mm can be placed anywhere in web, except in the safety zones, if the general rules for hole spacing are followed.
- The maximum dimensions for rectangular holes are: a = 300 mm and b = 200 mm.
- Placement restrictions and the maximum sizes of holes are shown in the diagram and table below.



Product depth		220	240	300	350	400
Maximum Hole Depth		126 mm	146 mm	206 mm	256 mm	306 mm
Minimum Distance from Bearing or Point Load		≥h	≥h	≥h	≥h	≥h
Minimum Distance Between Circular Holes	≤40mm	2 x larger of (D <sub>1</sub> or D <sub>2</sub> )	2 x larger of (D <sub>1</sub> or D <sub>2</sub> )	2 x larger of (D <sub>1</sub> or D <sub>2</sub> )	2 x larger of (D <sub>1</sub> or D <sub>2</sub> )	2 x larger of (D <sub>1</sub> or D <sub>2</sub> )
	>40mm	≥h	≥h	≥h	≥h	≥h
Minimum Distance Between rectangular and other holes		Larger of h or 2 x a	Larger of h or 2 x a	Larger of h or 2 x a	Larger of h or 2 x a	Larger of h or 2 x a

**Note:** All values above are valid for uniformly distributed loads. Information regarding the calculation of the reduction of shear capacity caused by a hole can be found in Masonite Beams European Technical approval; ETA 12/0018. Any holes falling outside of these rules must be checked by our engineering support service.