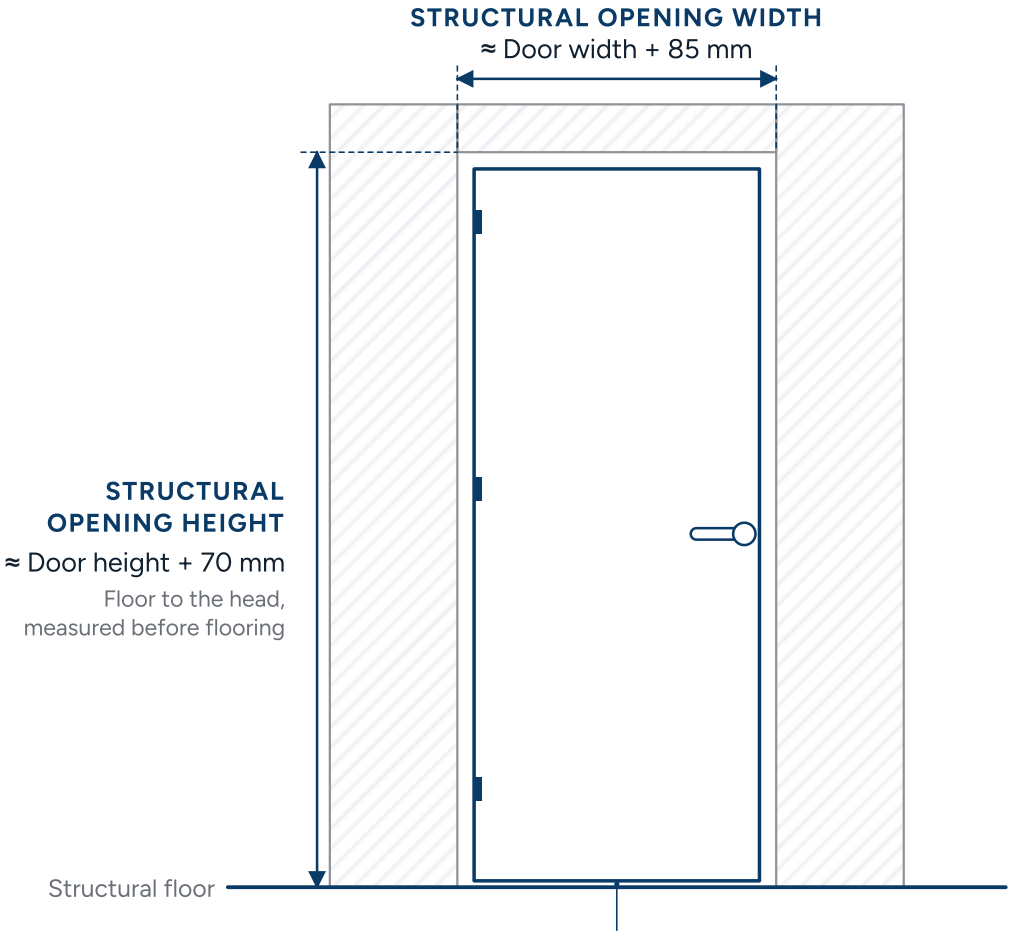
Structural opening guide

Structural openings are built approximately **85 mm wider** and **70 mm taller** than the door leaf to be used.



Imperial doors

Most popular domestic doors

Structural opening width × height, mm	Door width × height, mm	Door inches
≈ 950 × 2100	864 × 2032	34″ × 80″
≈ 920 × 2050	838 × 1981	33″ × 78″ *
≈ 900 × 2100	813 × 2032	32″ × 80″
≈ 850 × 2050	762 × 1981	30″ × 78″
≈ 800 × 2050	711 × 1981	28″ × 78″
≈ 770 × 2050	686 × 1981	27″ × 78″ *
≈ 750 × 2050	660 × 1981	26″ × 78″
≈ 700 × 2050	610 × 1981	24″ × 78″

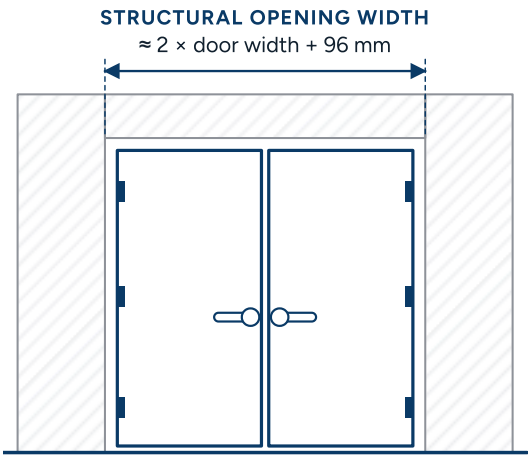
Metric doors

Structural opening width × height, mm	Door width mm	Door height mm
≈ 1110 × 2110	1026	2040
≈ 1010 × 2110	926	2040
≈ 910 × 2110	826	2040
≈ 810 × 2110	726	2040
≈ 710 × 2110	626	2040
≈ 610 × 2110	526	2040
≈ 510 × 2110	426	2040

* 33 inch and 27 inch are no longer common sizes. Structural opening sizes are rounded to the nearest 10 mm.

Fire doors: the 18 mm undercut is for doors that are not fire doors. A fire door has a smaller gap, see our Fire door guide.

Double doors and frames



Structural opening for a double door

Two doors of the same size hang in one frame, in one structural opening.

Structural opening	Double door	Single door
Width	**≈ 2 × door width + 96 mm**	≈ door width + 85 mm
Height	**≈ door height + 70 mm**	≈ door height + 70 mm
Example 30″ × 78″ doors (762 × 1981 mm)	**≈ 1620 × 2050 mm**	≈ 850 × 2050 mm

All opening sizes are approximate.

Frame width

Match the wall. The frame width is the finished wall thickness, plaster included.

Frames in our range come from 102 to 150 mm wide. The common ones:

- 107 or 108 mm (4½ in)
- 132 or 133 mm (5½ in)
- 150 mm

Not sure? Leave the frame width empty in the builder.

Fire safety

Keep the gap tight. The gap between the wall and the back of the frame should be as small as the frame allows.

Use approved fire stopping. Seal the whole gap with a fire stopping product approved by your fire engineer.

Match the frame to the door. A fire door hangs in a fire frame with the same rating.

Support and contact

Questions about sizes or fitting? Email info@altello.ie or call +353 (0)42 942 6020.

In the Altello Doorset builder. Each opening is one row, and a double door is one opening. Leave a size or the frame empty and we confirm it with you before we quote.