

Single C-Span Allowable Joist Length (mm) without internal wall above								
Normal Area			Wet Area			Wet Area and Balcony		
Joist Spacing (mm)			Joist Spacing (mm)			Joist Spacing (mm)		
300	450	600	300	450	600	300	450	600
7000	6300	5900	6800	6150	5700	5900	5700	5400

Single C-Span Allowable Joist Length (mm) with 1 m internal wall above								
Normal Area			Wet Area			Wet Area and Balcony		
Joist Spacing (mm)			Joist Spacing (mm)			Joist Spacing (mm)		
300	450	600	300	450	600	300	450	600
6400	5950	5600	6250	5800	5450	5450	5300	5150

Single C-Span Allowable Joist Length (mm) with 3 m internal wall above								
Normal Area			Wet Area			Wet Area and Balcony		
Joist Spacing (mm)			Joist Spacing (mm)			Joist Spacing (mm)		
300	450	600	300	450	600	300	450	600
5700	5400	5200	5600	5300	5100	4750	4650	4550



### Assumptions

- Section dimensions are:

Web = 300 mm

Flange = 50 mm

Lip = 15 mm

BMT = 1.95 mm

- Service hole max. diameter is 200mm
- Hole is assumed to be 1m away from the supports.
- Joists less than 2m do not have service hole.
- Normal area floor dead load is assumed to be 0.45 kPa.
- Wet area floor dead load is assumed to be 0.7 kPa.
- Floor live load is assumed to be 1.5 kPa for all areas except balconies where 2.0 kPa is applicable.