



JOISTZ

SPAN TABLES

SpaceJoist span table for domestic floor loading (Based on TR26 timber)



DOMESTIC FLOOR LOADINGS

Top Chord Dead	550 N/m ²
Bottom Chord Dead	200 N/m ²
Live Load	1500 N/m ²

Includes an allowance of 350 N/m² for partition load. Spans governed by EC5 vibration check were applicable. Timber strength class – TR26. Self-weight included. Spans include 100mm bearing at each end.

DEPTH	CENTRES (MM)	TIMBER SIZE (MM)	SPAN (MM)
219mm	400	47 x 72	4940
		47 x 97	5300
		47 x 122	5590
	600	47 x 72	4360
		47 x 97	4770
		47 x 122	5100
254mm	400	47 x 72	5430
		47 x 97	5820
		47 x 122	6150
	600	47 x 72	5010
		47 x 97	5490
		47 x 122	5880
304mm	400	47 x 72	5900
		47 x 97	6330
		47 x 122	6680
	600	47 x 72	5600
		47 x 97	6010
		47 x 122	6400
375mm	400	47 x 72	6600
		47 x 97	7100
		47 x 122	7500
	600	47 x 72	6240
		47 x 97	6780
		47 x 122	7150
425mm	400	47 x 72	7050
		47 x 97	7600
		47 x 122	8000
	600	47 x 72	6730
		47 x 97	7200
		47 x 122	7600

SpaceJoist span table for office floor loading (Based on TR26 timber)

OFFICE FLOOR LOADINGS

Top Chord Dead	1200 N/m ²
Bottom Chord Dead	200 N/m ²
Live Load	2500 N/m ²

Includes an allowance of 1000 N/m² for partition load. Spans governed by EC5 vibration check were applicable. Timber strength class – TR26. Self-weight included. Spans include 100mm bearing at each end.

DEPTH	CENTRES (MM)	TIMBER SIZE (MM)	SPAN (MM)
219mm	400	47 x 72	4140
		47 x 97	4520
		47 x 122	4840
	600	47 x 72	3550
		47 x 97	3780
		47 x 122	4020
254mm	400	47 x 72	4770
		47 x 97	5220
		47 x 122	5580
	600	47 x 72	3800
		47 x 97	4400
		47 x 122	4800
304mm	400	47 x 72	5240
		47 x 97	5680
		47 x 122	6050
	600	47 x 72	4170
		47 x 97	4750
		47 x 122	5050
375mm	400	47 x 72	5850
		47 x 97	6700
		47 x 122	7200
	600	47 x 72	4560
		47 x 97	5320
		47 x 122	6100
425mm	400	47 x 72	6050
		47 x 97	7150
		47 x 122	7750
	600	47 x 72	4900
		47 x 97	6050
		47 x 122	6600

SpaceJoist span table for robust detail floor loading (Based on TR26 timber) (UK Only)

ROBUST DETAIL FLOOR LOADINGS

Top Chord Dead	720 N/m ²
Bottom Chord Dead	420 N/m ²
Live Load	1500 N/m ²

Includes an allowance of 250 N/m² for partition load. Spans governed by EC5 vibration check were applicable. Timber strength class – TR26. Self-weight included. Spans include 100mm bearing at each end. SpaceJoists are approved for use in Robust Details E-FT-3 and E-FT-6.

DEPTH	CENTRES (MM)	TIMBER SIZE (MM)	SPAN (MM)
219mm	400	47 x 72	N/A
		47 x 97	N/A
		47 x 122	N/A
	600	47 x 72	N/A
		47 x 97	N/A
		47 x 122	N/A
254mm	400	47 x 72	5400
		47 x 97	5820
		47 x 122	6150
	600	47 x 72	4750
		47 x 97	5200
		47 x 122	5550
304mm	400	47 x 72	5900
		47 x 97	6330
		47 x 122	6680
	600	47 x 72	5200
		47 x 97	5620
		47 x 122	6020
375mm	400	47 x 72	6600
		47 x 97	7100
		47 x 122	7500
	600	47 x 72	5850
		47 x 97	6620
		47 x 122	7100
425mm	400	47 x 72	7050
		47 x 97	7600
		47 x 122	8000
	600	47 x 72	6230
		47 x 97	7150
		47 x 122	7600

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