



**SmartJoist Comparison Guide - (Based on 40kg/m<sup>2</sup> Floor DL, 1.5kPa FLL & 1.8kN FPL - Floor & Ceiling Loads Only)**

PRODUCT	SIZE	SINGLE SPAN				CONTINUOUS SPAN			
		300	400	450	600	300	400	450	600
SMARTJOIST	SJ20044	4.70	4.35	4.10	3.70	5.45	5.00	4.90	4.35
CHH HYJOIST	HJ20045	-	-	3.80	3.60	-	-	4.50	4.20
WESBEAM E-JOIST	EJ20045	4.40	-	3.40	3.20	5.20	-	4.40	4.00
	EJ20063	4.70	-	3.90	3.60	5.70	-	5.00	4.60
	EJ20090	5.20	-	4.40	4.10	6.20	-	5.50	5.10
LP SolidStart I-Joist	225 LPI 53-T	5.10	4.80	4.50	4.20	5.60	5.20	5.00	4.70
	225 LPI 70-T	5.50	5.10	5.00	4.60	6.00	5.60	5.40	5.00

PRODUCT	SIZE	SINGLE SPAN				CONTINUOUS SPAN			
		300	400	450	600	300	400	450	600
SMARTJOIST	SJ24040	5.10	4.75	4.60	4.20	5.95	5.50	5.35	4.90
	SJ24051	5.40	5.00	4.90	4.50	6.30	5.80	5.65	5.20
	SJ24070	5.80	5.40	5.20	4.85	6.70	6.20	6.00	5.50
	SJ24090	6.15	5.70	5.60	5.10	7.20	6.65	6.45	5.95
CHH HYJOIST	HJ24045	-	-	4.50	4.20	-	-	5.10	4.70
	HJ24063	-	-	4.90	4.50	-	-	5.50	5.10
	HJ24090	-	-	5.40	5.00	-	-	6.10	5.60
WESBEAM E-JOIST	EJ24045	5.00	-	4.50	4.20	5.70	-	5.10	4.70
	EJ24063	5.40	-	4.70	4.40	6.20	-	5.60	5.20
	EJ24090	6.10	-	5.40	5.00	6.90	-	6.10	5.60
LP SolidStart I-Joist	241 LPI 53-T	5.30	5.00	4.80	4.50	5.80	5.40	5.20	4.90
	241 LPI 70-T	5.70	5.30	5.20	4.80	6.30	5.80	5.60	5.20

PRODUCT	SIZE	SINGLE SPAN				CONTINUOUS SPAN			
		300	400	450	600	300	400	450	600
SMARTJOIST	SJ30040	5.90	5.40	5.30	4.90	6.80	6.30	6.10	5.65
	SJ30051	6.20	5.70	5.60	5.15	7.20	6.65	6.45	5.90
	SJ30070	6.60	6.10	6.00	5.50	7.60	7.10	6.80	6.30
	SJ30090	6.95	6.50	6.30	5.90	8.15	7.55	7.30	6.70
CHH HYJOIST	HJ30045	-	-	5.10	4.70	-	-	5.80	5.40
	HJ30063	-	-	5.50	5.10	-	-	6.30	5.80
	HJ30090	-	-	6.10	5.70	-	-	7.00	6.40
WESBEAM E-JOIST	EJ30045	5.70	-	5.10	4.70	6.50	-	5.80	5.40
	EJ30063	6.10	-	5.50	5.00	7.00	-	6.20	5.90
	EJ30090	6.90	-	6.20	5.70	7.80	-	6.90	6.40
LP SolidStart I-Joist	302 LPI 53-T	6.10	5.70	5.50	5.10	6.60	6.20	6.00	5.50
	302 LPI 70-T	6.50	6.10	5.90	5.40	7.10	6.60	6.40	5.90

PRODUCT	SIZE	SINGLE SPAN				CONTINUOUS SPAN			
		300	400	450	600	300	400	450	600
SMARTJOIST	SJ36058	7.15	6.60	6.50	6.00	8.30	7.70	7.40	6.90
	SJ36090	7.70	7.20	7.00	6.50	9.05	8.40	8.10	7.50
CHH HYJOIST	HJ36063	-	-	6.20	5.70	-	-	6.80	6.00
	HJ36090	-	-	6.80	6.30	-	-	7.80	7.10
WESBEAM E-JOIST	EJ36063	6.80	-	6.10	5.70	7.80	-	6.90	6.40
	EJ36090	7.60	-	6.80	6.30	8.60	-	7.70	7.00
LP SolidStart I-Joist	356 LPI 53-T	6.70	6.20	6.00	5.60	7.30	6.80	6.60	6.10
	356 LPI 70-T	7.20	6.70	6.50	6.00	7.80	7.30	7.00	6.50

PRODUCT	SIZE	SINGLE SPAN				CONTINUOUS SPAN			
		300	400	450	600	300	400	450	600
SMARTJOIST	SJ40090	8.15	7.50	7.30	6.90	9.60	8.90	8.65	7.80
CHH HYJOIST	HJ40090	-	-	7.20	6.70	-	-	7.90	7.10
WESBEAM E-JOIST	EJ40090	-	-	7.10	6.60	-	-	-	-
LP SolidStart I-Joist	406 LPI 53-T	7.20	6.70	6.50	6.00	7.90	7.30	7.10	6.60
	406 LPI 70-T	7.70	7.20	7.00	6.50	8.40	7.80	7.60	7.00

**Note:**

- 1) The values in the above table have been extracted from public domain data (hardcopy and/or software) for the respective product at the time of publication of this document, and are for the purpose of initial comparisons only.
- 2) Tilling Timber Pty Ltd accepts no responsibility whatsoever for the structural efficacy or fitness for purpose of ANY of the non SmartFrame product.
- 3) Definitions of "Continuous Span" may differ between manufacturers.

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