

# KD C16 Softwood Span Tables

**Span Tables for Kiln Dried, C16 Strength Graded British Grown timbers for domestic floor joists (Imposed load 1.5kN/m<sup>2</sup>) - Sawn condition**

	Dead load (kN/m <sup>2</sup> ) excluding self-weight of joist								
	Not more than 0.25			> 0.25 but < 0.50			> 0.50 but < 0.75		
	400	450	600	400	450	600	400	450	600
Size of Joist	Maximum clear span of joist (m)								
47 x 125	<b>2.67</b>	<b>2.57</b>	<b>2.32</b>	<b>2.55</b>	<b>2.45</b>	<b>2.19</b>	<b>2.45</b>	<b>2.35</b>	<b>2.06</b>
47 x 150	<b>3.23</b>	<b>3.10</b>	<b>2.81</b>	<b>3.08</b>	<b>2.96</b>	<b>2.62</b>	<b>2.96</b>	<b>2.84</b>	<b>2.46</b>
47 x 175	<b>3.78</b>	<b>3.63</b>	<b>3.26</b>	<b>3.61</b>	<b>3.47</b>	<b>3.05</b>	<b>3.47</b>	<b>3.32</b>	<b>2.87</b>
47 x 200	<b>4.34</b>	<b>4.17</b>	<b>3.72</b>	<b>4.14</b>	<b>3.98</b>	<b>3.47</b>	<b>3.98</b>	<b>3.79</b>	<b>3.26</b>
47 x 225	<b>4.81</b>	<b>4.67</b>	<b>4.16</b>	<b>4.65</b>	<b>4.49</b>	<b>3.89</b>	<b>4.49</b>	<b>4.24</b>	<b>3.66</b>
75 x 200	<b>4.95</b>	<b>4.80</b>	<b>4.43</b>	<b>4.78</b>	<b>4.64</b>	<b>4.23</b>	<b>4.64</b>	<b>4.48</b>	<b>4.06</b>
75 x 225	<b>5.42</b>	<b>5.26</b>	<b>4.88</b>	<b>5.23</b>	<b>5.08</b>	<b>4.72</b>	<b>5.08</b>	<b>4.93</b>	<b>4.58</b>

Disclaimer: No responsibility can be taken for the accuracy of the above information. For exact tolerances and permissible loads, please consult a structural engineer.

**Span Tables for Kiln Dried, C16 Strength Graded British Grown timbers for domestic floor joists (Imposed load 1.5kN/m<sup>2</sup>) - "J-Joists" (Planed Eased Edges) condition.**

	Dead load (kN/m <sup>2</sup> ) excluding self-weight of joist								
	Not more than 0.25			> 0.25 but < 0.50			> 0.50 but < 0.75		
	400	450	600	400	450	600	400	450	600
Size of Joist	Maximum clear span of joist (m)								
44 x 120	<b>2.50</b>	<b>2.40</b>	<b>2.17</b>	<b>2.39</b>	<b>2.29</b>	<b>2.03</b>	<b>2.29</b>	<b>2.20</b>	<b>1.91</b>
44 x 145	<b>3.05</b>	<b>2.93</b>	<b>2.62</b>	<b>2.91</b>	<b>2.79</b>	<b>2.45</b>	<b>2.79</b>	<b>2.67</b>	<b>2.30</b>
44 x 170	<b>3.59</b>	<b>3.45</b>	<b>3.07</b>	<b>3.43</b>	<b>3.29</b>	<b>2.86</b>	<b>3.29</b>	<b>3.12</b>	<b>2.69</b>
44 x 195	<b>4.13</b>	<b>3.97</b>	<b>3.50</b>	<b>3.95</b>	<b>3.79</b>	<b>3.27</b>	<b>3.79</b>	<b>3.57</b>	<b>3.08</b>
44 x 220	<b>4.65</b>	<b>4.49</b>	<b>3.94</b>	<b>4.47</b>	<b>4.26</b>	<b>3.68</b>	<b>4.26</b>	<b>4.01</b>	<b>3.46</b>
72 x 195	<b>4.80</b>	<b>4.66</b>	<b>4.26</b>	<b>4.64</b>	<b>4.49</b>	<b>4.07</b>	<b>4.49</b>	<b>4.31</b>	<b>3.90</b>
72 x 220	<b>5.27</b>	<b>5.11</b>	<b>4.75</b>	<b>5.09</b>	<b>4.94</b>	<b>4.59</b>	<b>4.94</b>	<b>4.80</b>	<b>4.42</b>

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