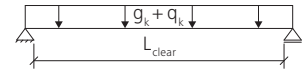


## Span tables for STEICOjoist according to BS EN 1995-1-1

### Single spans

Maximum single spans  $L_{clear}$  (m) | Max. final deflection  $L/250$  | Fundamental frequency  $f_1 > 8$  Hz



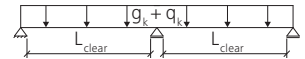
Live load  $q_k = 1.5$  kN/m<sup>2</sup>

Type	Joist height h [mm]	$g_k = 0.75$ kN/m <sup>2</sup> Joist centers [mm]				$g_k = 1.25$ kN/m <sup>2</sup> Joist centers [mm]			
		300	400	480	600	300	400	480	600
STEICOjoist SJ <sub>L</sub> 45	200	4.285	4.170	3.940	3.630	4.280	3.855	3.600	3.310
	220	4.540	4.415	4.235	3.935	4.540	4.175	3.905	3.590
	240	4.785	4.655	4.465	4.240	4.785	4.495	4.205	3.870
	300	5.455	5.305	5.090	4.875	5.455	5.305	5.050	4.650
	360	6.055	5.890	5.650	5.415	6.055	5.890	5.650	5.390
STEICOjoist SJ <sub>L</sub> 60	200	4.580	4.455	4.270	3.970	4.580	4.215	3.940	3.620
	220	4.855	4.720	4.525	4.310	4.855	4.575	4.275	3.930
	240	5.110	4.970	4.765	4.565	5.110	4.920	4.595	4.225
	300	5.820	5.660	5.430	5.200	5.820	5.660	5.430	5.080
	360	6.455	6.275	6.020	5.765	6.455	6.275	6.020	5.765
STEICOjoist SJ <sub>L</sub> 90	200	5.025	4.885	4.685	4.485	5.025	4.790	4.465	4.100
	220	5.325	5.175	4.960	4.750	5.325	5.175	4.845	4.450
	240	5.605	5.450	5.225	5.000	5.605	5.450	5.215	4.790
	300	6.375	6.200	5.945	5.690	6.375	6.200	5.945	5.690
	360	7.070	6.870	6.590	6.305	7.070	6.870	6.590	6.305
	400	7.495	7.285	6.985	6.685	7.495	7.285	6.985	6.685

## Span tables for STEICOjoist according to BS EN 1995-1-1

### Double spans

Maximum double spans  $L_{clear}$  (m) with mid span support | Max. final deflection  $L/250$  | Fundamental frequency  $f_1 > 8$  Hz



Live load  $q_k = 1.5$  kN/m<sup>2</sup>

Type	Joist height h [mm]	$g_k = 0.75$ kN/m <sup>2</sup> Joist centers [mm]				$g_k = 1.25$ kN/m <sup>2</sup> Joist centers [mm]			
		300	400	480	600	300	400	480	600
STEICOjoist SJ <sub>L</sub> 45	200	4.690	4.560	4.375	4.135	4.690	4.455	4.190	3.885
	220	4.970	4.830	4.635	4.440	4.970	4.820	4.535	4.205
	240	5.240	5.095	4.885	4.680	5.240	5.095	4.875	4.520
	300	5.975	5.810	5.575	5.335	5.975	5.810	5.575	4.960
	360	6.640	6.455	6.190	5.930	6.640	6.455	6.190	4.960
STEICOjoist SJ <sub>L</sub> 60	200	5.015	4.875	4.675	4.470	5.015	4.875	4.610	4.275
	220	5.315	5.165	4.950	4.740	5.315	5.165	4.950	4.630
	240	5.595	5.440	5.215	4.995	5.595	5.440	5.215	4.970
	300	6.375	6.200	5.945	5.690	6.375	6.200	5.945	5.690
	360	7.075	6.880	6.600	6.315	7.075	6.880	6.600	5.945
STEICOjoist SJ <sub>L</sub> 90	200	5.505	5.345	5.125	4.900	5.505	5.345	5.125	4.895
	220	5.830	5.665	5.430	5.195	5.830	5.665	5.430	5.195
	240	6.140	5.965	5.720	5.470	6.140	5.965	5.720	5.470
	300	6.990	6.790	6.510	6.230	6.990	6.790	6.510	6.230
	360	7.750	7.530	7.220	6.905	7.750	7.530	7.220	6.905
	400	8.215	7.985	7.655	7.325	8.215	7.985	7.655	7.325

See notes on page 17.