Combined K, VS, LH & DLH Series Load Table

The following table is an economy guide with the Joists listed in sequence of increasing relative cost. That is, the most economical joist for given length is listed first. The economies were based on production costs and do not include bridging requirements or erection costs.

HOW TO USE THE ECONOMICAL JOIST GUIDE: The specifying professional simply turns to the length required and proceeds down the allowable loads column until the first joist type in the list that will carry the required load is found. (However, additional bridging due to erection stability requirements should be taken into consideration.) This will then be the most economical joist type for the combination of length and required load. The approximate weight per foot of the joist is listed to the right of the live load.

EXAMPLE: Given 40'-0" length and a required load of 300 plf. On page 126 of the table under 40', it is found that a 30K7 at 40'-0" will carry 319 plf TL.

The figures shown in red are the live loads per lineal foot of joist which will produce an approximate deflection of 1/360 of the length. If a deflection limitation of 1/240 is required multiply the figures in red by 1.5. In no case shall the total load capacity of the joist be exceeded.

NOTE: Length as used in the economical joist guide means: **clear span + 8" for K Series and clear span + 12" for LH and DLH Series joists.**

You will note that the tables have been shaded to match the load tables. This shading indicates when bolted cross bridging needs to be installed per the Steel Joist Institute specification for a particular joist series.

Where the joist span is in the **GREEN SHADED** area of the table, the row of bridging nearest the mid span shall be diagonal bridging with bolted connections at chords and intersection. Hoisting cables shall not be released until this row of bolted diagional bridging is completely installed.

Where the joist span is in the **BLUE SHADED** area of the table, all rows of bridging shall be diagonal bridging with bolted connections at chords and intersection. Hoist cables shall not be released until the two rows of bridging nearest the third points are completely installed.

Where the joist span is in the **GRAY SHADED** area of the table hoisting cables shall not be released until all rows of bridging are completely installed.

SHADING LEGEND

GREEN

BLUE

GRAY

Total loads shown in the table are allowable total loads in ASD; the loads multiplied by 1.5 are approximately factored total loads in LRFD.

ECONOMICAL JOIST GUIDE
Combined K, VS, LH & DLH Series Load Table

Joist	Allowable Loads (PLF)		Joist Weight
10' LENGTH			
10K 1	550	550	5.0
11' LENGTH			
10K 1	550	542	5.0
12' LENGTH			
10K 1	550	455	5.0
13' LENGTH			
10K 1	479	363	5.0
12K 1	550	510	5.0
14' LENGTH			
10K 1	412	289	5.0
14K 1	550	550	5.2
15' LENGTH			
10K 1	358	234	5.0
12K 1	434	344	5.0
14K 1	511	475	5.2
14K 3	550	507	5.9
16' LENGTH			
10K 1	313	192	5.0
12K 1	380	282	5.0
14K 1	448	390	5.2
12K 3	476	351	5.7
14K 3	550	467	5.9
17' LENGTH			
10K 1	277	159	5.0
12K 1	336	234	5.0
14K 1	395	324	5.2
12K 3	420	291	5.7
16K 2	512	488	5.5
16K 3	550	526	6.3
18' LENGTH			
10K 1	246	134	5.0
12K 1	299	197	5.0
14K 1	352	272	5.2
12K 3	374	245	5.5
14K 3	441	339	5.8
16K 2	456	409	5.5
16K 3	508	456	6.3
14K 4	530	397	6.7
14K 6	550	408	6.9
19' LENGTH			
10K1	221	113	5.0
12K1	268	167	5.0
14K1	315	230	5.2
12K3	335	207	5.6
16K2	408	347	5.5
16K3	455	386	6.3
18K3	514	494	6.6
16K4	547	452	7.0
16K5	550	455	7.2
20' LENGTH			
12K 1	241	142	5.0
14K 1	284	197	5.2
12K 3	302	177	5.5

Joist	Allowable Loads (PLF)		Joist Weight
20' LENGTH (Cont.)			
16K2	368	297	5.5
16K3	410	330	6.2
18K3	463	423	6.5
16K4	493	386	7.0
16K5	550	426	7.5
21' LENGTH			
12K1	218	123	5.0
14K1	257	170	5.2
12K3	273	153	5.5
14K3	322	212	5.7
16K2	333	255	5.5
16K3	371	285	6.3
18K3	420	364	6.6
16K4	447	333	7.0
20K3	468	453	6.7
16K5	503	373	7.5
18K4	506	426	7.2
20K4	550	520	7.6
22' LENGTH			
12K1	199	106	5.0
14K1	234	147	5.1
12K3	249	132	5.5
14K3	293	184	5.6
16K2	303	222	5.5
16K3	337	247	6.2
18K3	382	316	6.5
16K4	406	289	6.9
20K3	426	393	6.7
18K4	460	370	7.2
20K4	514	461	7.6
18K5	518	414	7.7
22K6	550	548	7.5
18LH2	554	439	8.8
18LH3	614	488	10
18LH4	715	566	11
18LH5	808	637	12
18LH6	955	738	14
18LH7	992	776	15
18LH8	1034	810	15
18LH9	1108	864	16
23' LENGTH			
14K1	214	128	5.1
12K3	227	116	5.5
16K2	277	194	5.5
16K3	308	216	6.0
18K3	349	276	6.6
16K4	371	252	7.0
20K3	389	344	6.7
18K4	420	323	7.2
20K4	469	402	7.6
18K5	473	362	7.7
22K6	550	518	7.7
18LH3	587	446	10
18LH4	684	517	11
20LH5	697	589	11
18LH5	772	582	13
18LH6	913	674	15
18LH7	949	709	15
20LH8	1024	858	15
18LH9	1059	790	16
20LH9	1121	935	16
20LH10	1209	1008	17
24' LENGTH			
14K1	196	113	5.1
12K3	208	101	5.6

Joist	Allowable Loads (PLF)		Joist Weight
24' LENGTH (Cont.)			
16K2	254	170	5.5
16K3	283	189	6.1
18K3	320	242	6.5
16K4	340	221	6.9
20K3	357	302	6.7
18K4	385	284	7.2
20K4	430	353	7.6
18K5	434	318	7.7
18K6	473	345	8.5
20K5	485	396	8.2
24K6	550	544	7.7
18LH3	562	409	10
20LH4	621	503	10
18LH4	655	474	11
20LH5	668	540	11
18LH5	739	534	12
18LH6	875	619	15
20LH6	892	713	15
18LH7	908	650	15
18LH8	946	679	16
20LH7	951	761	15
20LH8	980	787	16
18LH9	1014	725	17
20LH9	1073	857	16
20LH10	1158	924	17
25' LENGTH			
14K1	180	100	5.1
16K2	234	150	5.5
16K3	260	167	5.9
18K3	294	214	6.3
16K4	313	195	6.9
20K3	329	266	6.7
18K4	355	250	7.1
16K6	384	238	8.1
18K5	400	281	7.7
16K7	428	263	8.6
18K6	435	305	8.5
20K5	446	350	8.2
18K7	485	337	9.0
20K6	486	380	8.9
16K9	514	311	10
24K6	550	520	8.6
20LH4	596	463	10
18LH4	628	436	11
20LH5	641	497	11
18LH5	709	492	13
20LH6	855	656	15
18LH7	872	599	16
18LH8	908	625	16
20LH7	912	701	16
20LH8	941	724	16
18LH9	973	667	17
20LH9	1030	789	17
20LH10	1111	851	18
26' LENGTH			
14K1	166	83	5.1
16K2	216	133	5.5
16K3	240	148	5.9
18K3	272	190	6.4
16K4	289	173	6.8
20K3	304	236	6.7
18K4	328	222	7.2
20K4	366	277	7.6
18K5	369	249	7.7
22K4	404	338	8.0
20K5	412	310	8.2
20K6	449	337	8.9
22K5	455	379	8.8
26K5	542	535	8.8

Joist	Allowable Loads (PLF)		Joist Weight
26' LENGTH (Cont.)			
24K6	543	493	8.9
24K7	550	499	9.2
20LH4	574	428	11
18LH4	604	403	12
20LH5	616	459	11
18LH5	684	454	13
20LH6	822	606	15
18LH7	840	553	16
18LH8	876	577	16
20LH7	878	647	16
18LH9	936	616	17
20LH9	990	729	17
20LH10	1068	786	18
27' LENGTH			
14K1	154	79	5.1
16K2	200	119	5.5
16K3	223	132	5.9
18K3	252	169	6.3
16K4	268	155	6.8
20K3	281	211	6.6
18K4	303	198	7.0
20K4	339	247	7.4
18K5	342	222	7.7
22K4	374	301	8.0
20K5	382	277	8.2
20K6	416	301	8.8
22K5	422	337	8.7
24K6	503	439	8.6
26K6	547	519	8.9
26K7	550	522	9.1
20LH4	566	406	11
18LH4	571	367	12
20LH5	609	437	12
18LH5	648	414	14
20LH6	791	561	15
20LH7	845	599	16
20LH8	873	619	16
20LH9	953	675	17
20LH10	1028	724	19
28' LENGTH			
14K1	143	70	5.1
16K2	186	106	5.5
16K3	207	118	5.8
18K3	234	151	6.2
16K4	249	138	6.6
20K3	261	189	6.7
16K5	281	155	7.4
18K4	282	177	7.2
20K4	315	221	7.5
18K5	318	199	7.7
18K6	346	216	8.5
20K5	355	248	8.2
22K5	392	302	8.8
26K5	466	427	8.1
24K6	467	393	8.5
22K7	475	364	9.2
26K6	508	464	8.9
28K6	548	541	9.2
28K7	550	543	9.2
20LH4	558	386	12
20LH5	602	416	13
18LH5	614	378	14
20LH6	763	521	15
20LH7	814	556	16
20LH8	842	575	17
20LH9	918	626	18
20LH10	991	673	20

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Joist	Allowable Loads (PLF)		Joist Weight
29' LENGTH			
16K3	193	106	5.9
18K3	218	136	6.2
16K4	232	124	6.7
20K3	243	170	6.6
18K4	263	159	7.0
20K4	293	199	7.4
18K5	296	179	7.7
22K4	324	242	7.8
20K5	330	223	8.1
22K5	365	272	8.7
26K5	434	384	8.0
24K6	435	354	8.4
28K6	511	486	9.1
28K7	550	522	9.5
18LH5	581	345	14
20LH5	595	395	13
18LH6	648	377	15
24LH6	708	567	14
24LH7	778	623	15
20LH7	786	518	16
24LH8	830	662	16
24LH9	977	775	18
24LH10	1033	822	19
24LH11	1088	861	20
30' LENGTH			
18K3	203	123	6.1
16K4	216	112	6.6
20K3	227	153	6.5
18K4	245	144	6.9
20K4	274	179	7.3
18K5	276	161	7.7
20K5	308	201	8.0
20K6	336	218	8.7
22K6	371	266	8.2
26K5	405	346	8.0
24K6	406	319	8.4
26K6	441	377	8.8
28K6	477	439	9.0
26K7	492	417	9.2
28K7	531	486	9.5
26K8	544	457	10
26K9	550	459	10
20LH5	571	366	13
18LH6	605	340	15
24LH6	684	529	14
24LH7	752	582	15
24LH8	802	618	16
24LH9	944	724	18
24LH10	998	768	19
24LH11	1052	804	21
31' LENGTH			
16K4	203	101	6.6
20K3	212	138	6.6
18K4	229	130	6.9
20K4	256	162	7.4
18K5	258	146	7.7
22K4	283	198	7.8
20K5	289	182	8.1
24K4	310	237	8.4
20K6	314	198	8.8
22K5	319	222	8.7
22K6	347	241	8.3
26K5	379	314	8.1
24K6	380	289	8.6
22K7	387	267	8.8
28K6	446	397	9.0
22K9	465	316	10
28K8	550	480	10
24LH6	662	495	14

Joist	Allowable Loads (PLF)		Joist
31' LENGTH (Cont.)			
24LH7	727	545	15
24LH8	776	579	16
24LH9	913	677	19
24LH10	965	718	20
24LH11	1017	752	21
32' LENGTH			
16K2	142	71	5.5
16K3	158	79	5.8
18K3	178	101	6.1
20K4	240	147	7.2
18K5	242	132	7.6
20K5	271	165	7.9
24K4	290	215	8.1
22K5	299	201	8.4
22K6	326	219	8.4
26K5	356	285	8.0
24K6	357	262	8.5
26K6	387	309	8.6
28K6	418	361	8.9
22K9	436	287	10
28K7	466	400	9.5
26K8	477	375	9.9
28K8	515	433	10
28K9	549	463	11
24LH6	641	465	14
24LH7	704	511	15
24LH8	752	543	16
24LH9	884	635	19
24LH10	935	674	20
24LH11	985	705	20
33' LENGTH			
18K3	168	92	6.1
20K4	226	134	7.3
22K4	249	164	7.9
20K5	254	150	8.1
24K4	273	196	8.3
20K6	277	163	8.7
22K5	281	183	8.5
26K5	334	259	8.0
24K6	335	239	8.3
26K6	364	282	8.6
28K6	393	329	8.8
26K7	406	312	9.1
28K7	438	364	9.4
28K8	484	399	10
26K9	488	370	11
28K9	527	432	11
28K10	532	435	11
24LH6	621	437	15
24LH7	683	480	16
24LH8	729	510	16
24LH9	857	597	19
24LH10	906	633	20
24LH11	955	663	22
34' LENGTH			
18K3	158	84	6.1
20K3	176	105	6.4
18K4	190	98	6.9
18K6	233	120	8.2
24K4	257	179	8.1
20K6	261	149	8.6
22K5	265	167	8.4
26K5	315	237	7.9
26K6	343	257	8.5
28K6	370	300	8.8
26K7	382	285	9.1
28K7	412	333	9.4

Joist	Allowable Loads (PLF)		Joist Weight
34' LENGTH (Cont.)			
24K9	423	286	10
28K8	456	364	10
28K9	496	395	11
28K10	516	410	11
28LH6	552	443	13
28LH7	624	499	14
28LH8	668	533	15
24LH8	707	480	17
28LH9	823	656	17
24LH9	832	562	20
28LH10	900	714	19
28LH11	965	763	20
28LH12	1060	835	23
28LH13	1105	872	23
35' LENGTH			
18K3	149	77	6.1
20K3	166	96	6.5
18K4	179	90	6.9
20K4	200	112	7.3
20K6	246	137	8.7
26K5	297	217	7.9
26K6	323	236	8.5
28K6	349	275	8.7
26K7	360	261	9.0
28K7	389	305	9.4
28K8	430	333	9.9
26K9	433	310	10
28K9	468	361	11
28K10	501	389	11
28LH6	537	417	13
28LH7	606	471	14
28LH8	649	503	15
24LH8	677	447	17
28LH9	799	618	18
28LH10	874	673	20
28LH11	938	719	21
28LH12	1030	787	23
28LH13	1073	822	24
36' LENGTH			
18K3	141	70	6.1
20K3	157	88	6.4
18K4	169	82	6.9
20K4	189	103	7.2
18K5	191	92	7.5
24K6	281	183	8.3
22K7	286	169	8.7
24K7	313	203	8.8
28K6	330	252	8.8
26K7	340	240	9.1
24K8	346	222	9.5
28K7	367	280	9.4
26K8	376	263	9.8
30K7	395	323	9.6
28K9	442	332	11
28K10	487	366	12
28LH6	521	394	13
28LH7	589	445	14
28LH8	631	475	15
24LH8	649	416	17
28LH9	777	584	18
28LH10	850	636	19
28LH11	911	680	21
28LH12	1001	744	23
28LH13	1043	777	24
37' LENGTH			
20K3	148	81	6.4
20K4	179	95	7.3

Joist	Allowable Loads (PLF)		Joist Weight
37' LENGTH (Cont.)			
26K5	265	183	7.9
24K6	266	169	8.3
28K6	312	232	8.7
26K7	322	221	9.1
28K7	348	257	9.3
30K7	373	297	9.5
28K8	384	282	9.9
26K9	387	262	10
30K8	413	325	10
28K9	418	305	11
30K9	449	352	11
30K10	474	374	12
28LH6	507	373	13
24LH6	530	331	15
28LH7	573	421	15
24LH7	588	367	16
28LH8	614	449	16
24LH8	622	388	17
28LH9	755	553	18
28LH10	826	602	21
28LH11	886	643	21
28LH12	974	704	23
28LH13	1015	735	25
38' LENGTH			
20K3	141	74	6.3
20K4	170	87	7.2
24K6	252	156	8.3
28K6	296	214	8.6
26K7	305	204	9.0
28K7	329	237	9.2
30K7	354	274	9.5
28K8	364	260	9.9
26K9	367	241	10
30K8	391	300	10
28K9	396	282	11
30K9	426	325	11
30K10	461	353	11
28LH6	494	354	13
24LH6	504	306	15
28LH7	558	399	15
24LH7	565	343	16
28LH8	597	426	16
28LH9	735	524	19
28LH10	804	570	20
28LH11	863	609	22
28LH12	948	667	23
28LH13	988	696	26
39' LENGTH			
20K3	133	69	6.4
20K4	161	81	7.3
20K5	181	90	7.9
28K6	280	198	8.6
26K7	289	188	9.0
28K7	313	219	9.1
30K7	336	253	9.5
28K8	346	240	9.9
26K9	348	223	10
30K8	371	277	10
28K9	376	260	11
30K9	404	300	11
26K10	413	262	12
30K10	449	333	12
32LH7	486	388	13
32LH8	528	421	14
28LH7	543	379	15
32LH9	662	526	17
32LH10	732	581	18
32LH11	802	635	20
28LH11	841	578	22

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Joist	Allowable Loads (PLF)		Joist Weight
39' LENGTH (Cont.)			
32LH12	941	742	23
28LH13	962	661	26
32LH13	1050	825	25
32LH14	1081	850	26
32LH15	1117	878	26
40' LENGTH			
20K3	127	64	6.4
20K4	153	75	7.2
22K4	169	91	7.6
20K5	172	84	7.9
24K7	253	148	8.9
26K7	275	174	9.0
28K7	297	203	9.1
30K7	319	234	9.4
28K8	328	222	9.9
26K9	331	207	10
28K9	357	241	11
30K9	384	278	11
26K10	393	243	12
30K10	438	315	12
32LH7	474	368	13
32LH8	514	400	14
28LH7	529	360	15
32LH9	645	500	16
32LH10	713	552	18
32LH11	782	604	20
32LH12	918	705	23
32LH13	1024	784	26
32LH14	1054	807	26
32LH15	1089	834	27
41' LENGTH			
22K4	161	85	7.6
24K4	176	101	8.0
24K7	241	137	8.9
26K7	262	162	9.0
24K8	266	150	9.5
24K9	290	162	10
30K7	303	217	9.5
26K9	315	192	10
28K9	340	224	11
30K9	365	258	11
26K10	374	225	12
30K10	427	300	12
32LH7	462	351	13
32LH8	502	380	14
28LH7	516	342	16
32LH9	630	476	17
32LH10	696	525	19
32LH11	762	574	21
28LH11	799	523	23
32LH12	895	671	23
32LH13	998	746	26
32LH14	1028	768	26
32LH15	1062	794	28
42' LENGTH			
22K4	153	79	7.6
24K7	229	127	8.9
26K7	249	150	9.0
24K8	253	139	9.6
28K7	269	175	9.2
26K8	275	164	9.7
30K7	289	202	9.5
26K9	300	178	10
30K8	320	221	10
28K9	324	208	11
30K9	348	240	11
26K10	356	210	12

Joist	Allowable Loads (PLF)		Joist Weight
42' LENGTH (Cont.)			
28K10	384	245	12
30K10	413	282	12
30K11	417	284	12
32LH7	451	334	14
32LH8	490	362	15
28LH7	505	326	16
28LH8	540	348	16
32LH9	614	453	17
32LH10	679	500	19
32LH11	744	547	21
32LH12	874	639	24
32LH13	974	710	26
32LH14	1003	732	27
32LH15	1037	756	28
43' LENGTH			
22K4	146	73	7.5
24K4	160	88	8.0
26K5	196	116	7.9
30K7	276	188	9.3
26K9	286	166	10
30K8	305	206	10
28K9	309	194	11
30K9	332	223	11
26K10	339	195	12
28K10	367	228	12
30K10	394	263	12
30K11	407	270	13
36LH8	434	354	13
32LH7	441	318	14
32LH8	478	346	15
36LH9	555	451	16
36LH10	612	499	17
36LH11	668	543	18
32LH11	727	522	21
36LH12	799	647	21
32LH12	853	610	25
36LH13	940	758	25
32LH13	952	678	27
36LH14	1036	833	28
36LH15	1092	877	29
44' LENGTH			
22K4	139	68	7.5
24K4	153	82	8.1
22K5	157	76	8.3
26K5	187	108	7.9
26K6	204	118	8.5
24K7	209	110	8.9
28K6	220	137	8.6
30K8	291	192	10
28K9	295	181	11
30K9	317	208	11
26K10	324	182	12
28K10	350	212	12
30K10	376	245	12
30K11	398	258	13
36LH8	424	338	13
32LH7	431	304	14
32LH8	467	330	15
36LH9	543	431	16
36LH10	598	476	17
36LH11	653	518	18
36LH12	781	617	21
32LH12	834	582	25
36LH13	918	724	25
36LH14	1012	795	28
36LH15	1067	837	29

Joist	Allowable Loads (PLF)		Joist Weight
45' LENGTH			
24K4	146	76	7.8
26K5	179	101	7.9
26K6	194	110	8.5
28K6	210	128	8.6
26K7	217	122	9.0
24K8	220	113	9.5
28K7	234	142	9.2
24K10	285	144	12
26K10	310	170	12
28K10	334	198	12
30K10	359	229	12
30K11	389	246	13
36LH8	414	323	13
32LH7	421	291	14
32LH8	457	315	15
36LH9	531	412	16
36LH10	584	455	17
36LH11	638	495	19
36LH12	763	590	21
32LH12	815	556	26
36LH13	898	692	25
36LH14	990	760	28
36LH15	1043	800	29
46' LENGTH			
24K4	139	71	7.9
26K5	171	95	7.9
26K6	186	103	8.5
28K6	201	120	8.6
26K7	207	114	9.1
24K8	211	106	9.6
26K8	229	125	9.7
26K10	296	159	12
28K10	320	186	12
30K10	344	214	12
30K11	380	236	14
36LH8	405	309	13
32LH7	412	278	14
28LH7	427	251	16
32LH8	447	302	16
36LH9	519	394	16
36LH10	572	435	18
36LH11	624	474	19
32LH11	679	455	22
36LH12	747	564	23
32LH12	797	532	26
36LH13	878	662	26
36LH14	968	727	28
36LH15	1020	765	30
47' LENGTH			
24K4	133	67	7.9
26K5	164	89	7.9
26K6	178	96	8.5
28K6	192	112	8.6
24K8	202	99	9.6
24K10	261	126	12
26K10	284	149	12
28K10	306	174	12
30K10	329	201	12
36LH7	360	270	12
30K11	372	226	14
36LH8	396	296	13
32LH7	403	266	15
28LH7	410	236	16
32LH8	437	289	16
28LH8	438	525	17
36LH9	508	377	17
36LH10	559	417	18
36LH11	611	454	20
32LH11	664	436	22

Joist	Allowable Loads (PLF)		Joist Weight
47' LENGTH (Cont.)			
36LH12	731	541	23
32LH12	780	510	26
36LH13	859	634	26
32LH13	870	566	28
36LH14	947	696	29
36LH15	999	733	30
48' LENGTH			
24K4	128	63	7.9
26K5	157	83	7.8
26K6	171	90	8.4
24K7	175	85	8.9
28K6	184	105	8.6
24K6	194	93	9.6
24K10	250	118	12
26K10	272	140	12
28K10	294	163	12
30K10	315	188	12
30K12	365	216	14
36LH8	388	284	14
28LH7	394	222	16
32LH8	428	277	16
36LH9	497	362	17
36LH10	548	400	18
36LH11	598	435	20
32LH11	650	418	23
36LH12	715	518	23
32LH12	764	489	27
36LH13	841	607	26
36LH14	927	667	29
36LH15	978	703	31
40LH15	1009	810	31
40LH16	1112	890	34
49' LENGTH			
26K5	150	78	7.9
26K6	164	85	8.4
28K6	177	99	8.6
26K7	183	94	9.1
28K7	197	110	9.3
26K8	202	103	9.7
30K7	212	127	9.4
28K8	218	120	9.9
26K9	220	112	10
30K8	234	139	10
30K10	303	177	12
30K11	347	202	14
30K12	357	207	14
28LH7	379	209	16
32LH8	419	266	16
36LH9	487	347	17
36LH10	536	383	18
36LH11	586	417	20
32LH11	637	401	23
36LH12	701	497	24
32LH12	748	469	27
36LH13	824	583	28
32LH13	834	521	30
32LH14	859	536	31
36LH14	908	640	30
36LH15	958	674	31
40LH15	988	777	31
40LH16	1089	854	34
50' LENGTH			
26K5	144	73	7.9
26K6	157	80	8.5
26K7	175	89	9.1
28K7	189	103	9.3
26K8	194	97	9.7

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50' LENGTH (Cont.)

Joist	Allowable Loads (PLF)		Joist Weight
30K7	203	119	9.4
26K9	211	105	10
28K9	228	123	11
30K9	245	141	11
26K10	250	124	12
28K10	270	144	12
30K11	333	190	14
30K12	350	199	14
36LH8	372	262	14
32LH8	411	255	16
36LH9	477	333	17
36LH10	526	368	18
36LH11	574	400	21
32LH11	625	385	23
36LH12	687	477	23
36LH13	807	559	28
36LH14	890	615	30
36LH15	938	647	32
40LH15	968	746	31
40LH16	1067	820	34

51' LENGTH

Joist	Allowable Loads (PLF)		Joist Weight
26K5	139	69	7.9
26K6	151	75	8.5
28K6	163	88	8.6
26K7	168	83	9.1
28K7	182	97	9.3
26K8	186	91	9.8
26K9	203	99	10
28K9	219	115	11
30K9	235	133	11
26K10	241	116	12
28K10	260	136	12
30K10	279	157	12
30K11	320	179	14
30K12	343	192	15
28LH7	352	186	16
36LH8	365	251	14
32LH8	397	242	16
36LH9	468	320	17
36LH10	515	354	19
36LH11	563	385	21
32LH11	602	363	23
36LH12	673	459	24
36LH13	791	538	28
32LH13	801	480	30
36LH14	872	591	31
36LH15	920	622	33
40LH15	949	717	31
40LH16	1046	788	33

52' LENGTH

Joist	Allowable Loads (PLF)		Joist Weight
26K5	133	65	7.9
26K6	145	71	8.4
28K6	157	83	8.6
26K7	162	79	9.1
28K7	175	92	9.3
26K8	179	86	9.7
26K9	195	93	10
28K9	210	109	11
30K9	226	126	11
26K10	231	110	12
28K10	250	128	12
30K10	268	148	12
28K12	325	165	15
30K12	336	184	15
28LH7	339	176	16
32LH8	383	229	16
36LH9	459	308	18
36LH10	505	340	19
36LH11	552	370	21

52' LENGTH (Cont.)

Joist	Allowable Loads (PLF)		Joist Weight
32LH11	580	343	23
36LH12	660	441	25
36LH13	776	517	28
36LH14	855	568	31
36LH15	902	598	33
40LH15	931	690	31
40LH16	1026	758	34

53' LENGTH

Joist	Allowable Loads (PLF)		Joist Weight
28K6	151	78	8.6
28K7	168	87	9.2
30K7	181	100	9.4
28K8	186	95	9.9
28K9	203	103	11
30K9	218	119	11
28K10	240	121	12
30K10	258	140	12
40LH8	315	233	12
30K12	330	177	16
44LH9	380	309	14
36LH9	450	296	18
44LH11	454	368	16
32LH9	463	270	19
36LH10	496	327	19
36LH11	541	356	21
44LH12	562	454	19
36LH12	647	424	25
36LH13	761	498	28
44LH14	767	616	26
36LH14	839	547	31
36LH15	885	575	34
44LH15	892	716	31
40LH15	913	664	32
44LH16	1029	824	34
44LH17	1105	880	37

54' LENGTH

Joist	Allowable Loads (PLF)		Joist Weight
28K6	145	74	8.7
28K7	162	82	9.2
30K7	174	94	9.4
28K8	179	89	9.9
28K9	195	97	11
30K9	209	112	11
28K10	232	114	12
30K10	249	132	12
30K11	285	150	14
40LH8	309	225	13
36LH7	313	204	13
30K12	324	170	16
44LH9	373	298	14
36LH9	442	285	18
44LH11	445	354	16
32LH9	447	256	19
36LH10	486	315	19
40LH11	488	350	18
36LH11	531	343	22
44LH12	552	437	19
36LH12	635	409	25
44LH13	654	518	23
36LH13	747	479	29
44LH14	753	594	26
36LH14	824	527	32
36LH15	868	554	34
44LH15	876	690	31
40LH15	896	639	33
44LH16	1010	793	34
44LH17	1084	848	37

55' LENGTH

Joist	Allowable Loads (PLF)		Joist Weight
28K6	140	70	8.6

55' LENGTH (Cont.)

Joist	Allowable Loads (PLF)		Joist Weight
28K7	156	77	9.3
30K7	168	89	9.4
28K8	173	85	9.9
30K8	185	98	10
28K9	188	92	11
30K9	202	106	11
28K10	223	108	12
30K10	240	125	12
40LH8	304	216	13
36LH7	307	197	13
30K12	312	161	16
44LH9	366	287	15
36LH9	434	275	18
40LH10	439	312	17
36LH10	477	304	20
36LH11	521	330	22
32LH11	522	292	24
44LH12	541	421	20
36LH12	624	394	25
44LH13	642	499	23
36LH13	734	462	29
44LH14	739	572	26
36LH14	809	507	32
36LH15	852	534	34
44LH15	860	665	31
40LH15	880	616	33
44LH16	991	765	34
44LH17	1065	817	36

56' LENGTH

Joist	Allowable Loads (PLF)		Joist Weight
28K6	135	66	8.6
28K7	151	73	9.2
30K7	162	84	9.4
28K8	166	80	9.9
30K8	179	92	10
28K9	181	87	11
30K9	195	100	11
28K10	215	102	12
30K10	231	118	12
30K11	265	135	14
40LH8	298	209	13
30K12	301	153	16
44LH9	359	277	15
36LH9	426	265	18
44LH11	429	329	17
40LH10	431	301	17
36LH10	469	293	21
40LH11	471	326	19
36LH11	512	319	23
44LH12	532	406	20
36LH12	613	380	25
44LH13	631	482	23
40LH13	675	465	26
36LH13	720	445	30
44LH14	726	552	27
32LH14	738	395	33
36LH14	794	489	34
36LH15	837	515	35
44LH15	844	641	30
40LH15	864	594	33
44LH16	974	737	35
44LH17	1046	788	37

57' LENGTH

Joist	Allowable Loads (PLF)		Joist Weight
30K7	156	80	9.4
30K8	173	88	10
30K9	188	95	11
30K10	223	112	12
30K11	256	128	14
40LH8	293	201	13
48LH10	353	293	15

57' LENGTH (Cont.)

Joist	Allowable Loads (PLF)		Joist Weight
48LH11	383	316	15
36LH9	418	256	18
44LH11	422	318	17
40LH10	424	290	17
36LH10	461	283	21
36LH11	503	308	22
36LH12	602	367	25
44LH13	619	465	23
40LH13	664	449	26
36LH13	708	430	30
32LH14	713	374	33
36LH14	780	472	34
36LH15	822	497	36
44LH14	829	619	31
40LH15	849	573	33
48LH16	905	737	31
44LH16	956	711	36
44LH17	1027	761	38

58' LENGTH

Joist	Allowable Loads (PLF)		Joist Weight
30K7	151	76	9.4
30K8	167	83	10
30K9	181	90	11
30K10	215	106	12
30K11	247	121	14
40LH8	288	195	13
44LH9	347	258	15
48LH11	376	305	15
40LH9	378	254	17
44LH10	383	284	16
32LH9	391	208	19
44LH11	414	307	17
40LH10	416	280	18
36LH10	454	273	21
36LH11	495	297	22
36LH12	593	354	25
44LH13	609	449	23
36LH13	697	415	30
44LH14	701	514	28
36LH14	768	456	35
36LH15	809	480	36
44LH15	815	597	31
48LH16	890	712	31
40LH16	919	608	37
44LH16	940	687	37
48LH17	999	796	37
44LH17	1009	734	40

59' LENGTH

Joist	Allowable Loads (PLF)		Joist Weight
30K7	146	72	9.4
30K8	161	79	10
30K9	175	86	11
30K10	208	101	12
40LH8	283	188	13
48LH10	341	273	14
44LH10	377	274	16
32LH9	379	198	19
44LH11	407	296	17
36LH10	440	260	20
36LH11	480	283	23
36LH12	575	338	25
44LH13	598	434	24
36LH13	675	395	30
44LH14	689	497	28
36LH14	755	434	35
36LH15	795	464	36
44LH15	801	577	31
40LH15	820	535	34
48LH16	874	688	32
40LH16	903	588	37
44LH16	924	664	37

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Joist	Allowable Loads (PLF)		Joist Weight
59' LENGTH (Cont.)			
48LH17	982	769	37
44LH17	992	710	39
60' LENGTH			
30K7	141	69	9.4
30K8	156	75	10
30K9	169	81	11
30K10	201	96	12
30K11	231	109	14
40LH8	278	182	13
48LH10	335	264	15
44LH10	370	265	16
44LH11	401	287	17
36LH10	426	248	20
40LH11	439	283	19
36LH11	465	269	23
36LH12	557	322	25
44LH13	588	419	25
36LH13	654	376	30
44LH14	677	480	28
36LH14	729	412	34
48LH15	746	577	28
36LH15	781	448	36
44LH15	788	558	31
48LH16	860	665	32
44LH16	908	642	36
48LH17	965	744	37
44LH17	975	686	39
61' LENGTH			
40LH8	274	176	13
48LH10	330	256	15
44LH10	364	257	16
44LH11	394	277	17
40LH10	396	253	18
36LH10	413	236	21
40LH11	432	274	21
36LH11	451	257	23
44LH12	488	342	21
40LH12	526	334	25
44LH13	579	405	25
40LH13	620	391	28
48LH14	638	487	26
44LH14	666	464	28
48LH15	734	558	29
44LH15	775	540	31
40LH15	793	500	36
48LH16	846	643	33
44LH16	893	621	37
48LH17	949	719	37
44LH17	959	664	39
62' LENGTH			
40LH8	269	170	14
48LH10	324	247	15
44LH10	358	248	17
44LH11	388	268	18
40LH10	389	245	19
36LH10	401	225	21
40LH11	425	265	21
36LH11	438	246	23
44LH12	480	331	21
40LH12	517	323	25
44LH13	569	392	25
40LH13	610	379	29
48LH14	628	472	26
44LH14	655	450	29
52DLH14	736	584	29
44LH15	762	522	31
52DLH15	827	658	32

Joist	Allowable Loads (PLF)		Joist Weight
62' LENGTH (Cont.)			
48LH16	832	623	33
44LH16	879	601	37
52DLH16	892	732	34
48LH17	934	696	37
44LH17	944	642	41
52DLH17	1026	835	40
63' LENGTH			
40LH8	265	165	14
48LH10	319	239	15
40LH9	348	215	18
44LH10	353	240	17
44LH11	381	260	18
40LH10	383	237	19
36LH10	389	215	21
40LH11	418	257	21
36LH11	425	234	23
44LH12	472	321	22
40LH12	509	313	25
44LH13	560	380	25
40LH13	600	367	28
52DLH13	634	506	26
44LH14	645	435	29
52DLH14	724	565	29
44LH15	750	506	31
52DLH15	814	637	32
48LH16	819	603	33
44LH16	865	582	37
52DLH16	878	708	35
48LH17	919	674	38
44LH17	929	622	40
52DLH17	1010	809	40
64' LENGTH			
40LH8	261	160	15
48LH10	314	232	15
40LH9	342	209	18
44LH10	347	233	17
44LH11	375	252	18
40LH10	377	230	19
36LH10	378	206	21
40LH11	412	249	21
48LH12	430	314	19
44LH12	465	311	22
36LH12	493	267	25
44LH13	551	368	25
40LH13	591	355	28
52DLH13	625	490	26
44LH14	635	422	29
52DLH14	713	547	29
44LH15	738	490	31
52DLH15	801	617	32
48LH16	806	584	34
52DLH16	864	686	35
48LH17	905	653	39
44LH17	914	602	43
52DLH17	994	783	40
65' LENGTH			
40LH8	257	155	15
48LH10	309	225	15
44LH10	342	226	17
44LH11	370	244	18
40LH10	371	223	19
40LH11	405	241	21
48LH12	424	305	20
44LH12	458	301	23
36LH12	478	255	25
40LH12	493	294	25
52DLH12	506	392	22

Joist	Allowable Loads (PLF)		Joist Weight
65' LENGTH (Cont.)			
44LH13	543	357	26
40LH13	581	344	28
52DLH13	614	475	26
44LH14	625	409	29
52DLH14	702	531	30
44LH15	727	475	31
52DLH15	789	598	33
52DLH16	851	665	34
44LH17	900	584	43
52DLH17	979	759	40
66' LENGTH			
40LH8	254	150	15
48LH10	305	216	16
44LH10	337	219	17
44LH11	364	237	18
40LH10	367	216	20
40LH11	399	234	22
48LH12	417	295	20
44LH12	451	292	23
40LH12	486	285	25
52DLH12	498	380	23
44LH13	535	346	26
52DLH13	605	461	26
44LH14	615	396	31
52DLH14	691	515	30
44LH15	716	461	31
40LH15	734	427	36
52DLH15	777	580	34
48LH16	781	549	35
52DLH16	838	645	37
44LH17	886	566	43
52DLH17	964	736	40
67' LENGTH			
40LH8	247	144	15
44LH9	300	193	16
40LH9	323	188	18
44LH10	332	212	18
44LH11	359	230	18
56DLH11	422	363	20
44LH12	444	283	23
36LH12	450	232	25
40LH12	472	273	25
52DLH12	491	369	23
44LH13	527	336	26
48LH14	581	404	27
52DLH13	596	447	27
44LH14	606	385	30
40LH14	638	367	34
48LH15	668	462	31
52DLH14	681	499	31
44LH15	705	447	31
40LH15	712	408	36
52DLH15	765	563	34
48LH16	770	533	35
52DLH16	825	626	37
48LH17	864	596	40
44LH17	873	549	44
52DLH17	950	715	40
68' LENGTH			
40LH8	241	138	15
44LH9	296	187	17
40LH9	315	180	18
44LH10	327	206	18
56DLH11	415	352	20
44LH12	437	275	23
40LH12	459	261	25
44LH13	519	326	26

Joist	Allowable Loads (PLF)		Joist Weight
68' LENGTH (Cont.)			
48LH14	572	392	28
52DLH13	587	434	27
44LH14	597	373	30
48LH15	658	449	32
52DLH14	671	485	31
44LH15	695	434	31
52DLH15	754	546	34
48LH16	758	517	36
52DLH16	813	608	37
48LH17	851	578	41
44LH17	860	533	45
52DLH17	935	694	42
69' LENGTH			
40LH8	234	132	15
44LH9	291	182	17
40LH9	306	173	18
44LH10	322	200	18
40LH10	338	190	20
44LH11	348	216	20
56DLH11	409	342	21
44LH12	431	267	23
40LH12	447	251	25
48LH13	478	323	24
44LH13	511	317	29
52DLH13	578	421	27
44LH14	588	363	31
48LH15	648	436	32
52DLH14	661	471	31
44LH15	684	421	31
56DLH15	735	568	32
52DLH15	743	530	34
48LH16	747	502	36
52DLH16	801	590	38
48LH17	839	562	41
44LH17	848	518	45
52DLH17	922	674	44
70' LENGTH			
40LH8	228	127	15
40LH9	298	166	18
44LH10	317	195	18
40LH10	329	183	20
44LH11	343	210	20
36LH11	348	173	23
40LH11	358	198	22
56DLH11	403	332	21
44LH12	425	259	24
40LH12	435	241	25
52DLH12	469	338	24
48LH13	471	313	24
44LH13	504	307	27
48LH14	556	370	29
52DLH13	570	409	29
44LH14	580	352	31
48LH15	639	423	32
52DLH14	652	457	31
44LH15	675	409	31
52DLH15	732	515	34
48LH16	736	488	36
52DLH16	789	573	37
48LH17	827	546	41
44LH17	835	503	45
56DLH17	901	700	40
52DLH17	909	654	44
71' LENGTH			
40LH8	222	122	15
44LH9	283	172	17
40LH9	291	160	18

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Combined K, VS, LH & DLH Series Load Table

Joist	Allowable Loads (PLF)		Joist Weight
71' LENGTH (Cont.)			
44LH10	313	189	18
40LH10	321	176	20
44LH11	338	204	20
40LH11	349	190	22
56DLH11	398	323	21
44LH12	419	252	24
40LH12	424	231	25
52DLH12	463	328	24
48LH13	464	305	26
44LH13	497	299	28
40LH13	500	271	30
52DLH13	562	398	28
44LH14	572	342	31
52DLH14	642	444	31
44LH15	665	398	31
52DLH15	722	501	35
52DLH16	778	557	37
48LH17	815	530	41
44LH17	824	489	45
56DLH17	889	680	40
52DLH17	896	636	44
60DLH18	1017	818	46
72' LENGTH			
36LH7	196	95	15
36LH8	215	104	16
40LH8	217	117	16
44LH9	279	167	17
40LH9	283	153	18
44LH10	308	184	18
40LH10	313	169	20
44LH11	333	199	19
56DLH11	392	314	20
44LH12	413	245	25
52DLH12	456	319	24
48LH13	458	296	26
44LH13	490	291	29
52DLH13	554	387	28
44LH14	564	333	31
52DLH14	633	432	31
44LH15	656	387	31
52DLH15	712	487	35
48LH16	716	461	38
52DLH16	767	542	38
44LH17	812	475	45
52DLH17	883	618	44
60DLH18	1003	796	46
73' LENGTH			
40LH8	211	112	15
44LH9	275	162	17
40LH9	276	147	18
44LH10	304	179	18
40LH10	305	162	20
44LH11	329	193	19
56DLH11	387	305	20
44LH12	407	238	25
52DLH12	450	311	24
48LH13	451	288	26
44LH13	483	283	29
52DLH13	546	376	28
44LH14	556	324	31
52DLH14	625	420	32
44LH15	647	376	31
52DLH15	702	474	37
48LH16	706	448	37
52DLH16	757	527	38
44LH17	801	462	47
52DLH17	871	601	44
60DLH18	989	774	46

Joist	Allowable Loads (PLF)		Joist Weight
74' LENGTH			
40LH8	206	108	15
40LH9	269	141	18
44LH9	272	158	18
40LH10	297	156	20
44LH10	300	174	19
56DLH11	381	297	21
44LH12	402	232	25
52DLH12	444	302	24
48LH13	445	280	25
44LH13	477	275	29
48LH14	525	331	29
52DLH13	539	366	29
44LH14	549	315	31
52DLH14	616	409	32
44LH15	639	366	31
60DLH15	669	525	32
52DLH15	692	461	37
52DLH16	747	513	38
48LH17	782	488	45
44LH17	790	450	47
60DLH17	846	667	40
52DLH17	859	585	45
60DLH18	976	753	46
75' LENGTH			
40LH8	201	104	15
44LH9	265	152	18
40LH10	290	150	20
44LH10	293	168	19
56DLH11	376	289	21
44LH12	393	224	25
48LH13	439	273	25
44LH13	466	265	28
48LH14	518	322	29
56DLH13	532	356	29
44LH14	534	302	31
52DLH14	608	398	33
44LH15	623	352	31
60DLH15	660	511	32
52DLH15	683	449	37
48LH16	687	425	39
60DLH16	726	571	35
52DLH16	737	499	40
48LH17	771	475	45
44LH17	780	438	47
60DLH17	834	649	40
52DLH17	848	570	45
60DLH18	963	733	47
76' LENGTH			
40LH8	196	100	15
44LH9	259	146	17
40LH10	283	144	20
44LH10	286	162	19
48LH11	287	177	18
44LH11	310	175	21
52DLH10	353	240	21
44LH12	383	215	25
52DLH11	387	263	23
52DLH12	432	286	26
48LH13	433	266	26
44LH13	454	254	28
48LH14	511	313	30
52DLH13	525	347	30
52DLH14	600	388	34
44LH15	608	339	31
60DLH15	652	497	32
52DLH15	674	437	37
60DLH16	716	556	36
52DLH16	727	486	40
48LH17	761	462	45

Joist	Allowable Loads (PLF)		Joist Weight
76' LENGTH (Cont.)			
44LH17	769	428	47
60DLH17	823	632	41
52DLH17	837	555	45
60DLH18	950	714	47
77' LENGTH			
40LH8	192	97	16
44LH9	253	141	18
44LH10	279	155	19
48LH11	283	172	18
44LH11	302	168	21
44LH12	374	207	25
52DLH11	382	256	24
52DLH12	427	279	26
48LH13	428	259	27
44LH13	444	246	28
52DLH13	518	338	30
40LH15	538	268	36
56DLH14	577	404	32
52DLH14	592	378	34
44LH15	593	326	31
60DLH15	643	484	34
52DLH15	665	425	38
60DLH16	707	541	36
56DLH16	711	508	37
52DLH16	717	473	40
48LH17	751	450	45
52DLH17	826	540	46
60DLH18	938	695	47
78' LENGTH			
40LH8	187	93	16
44LH9	247	136	18
44LH10	272	150	19
48LH11	279	168	18
44LH11	295	162	21
44LH12	365	200	25
52DLH11	377	249	24
52DLH12	421	272	26
48LH13	422	252	26
44LH13	433	236	28
52DLH13	511	329	30
40LH15	524	258	36
56DLH14	569	394	32
52DLH14	585	368	34
52DLH15	657	415	38
48LH16	661	393	40
60DLH16	698	528	38
56DLH16	702	495	38
52DLH16	708	461	41
48LH17	742	439	45
52DLH17	815	526	45
60DLH18	926	677	46
79' LENGTH			
40LH8	183	90	15
44LH9	242	131	18
44LH10	266	144	19
48LH11	276	164	18
44LH11	289	157	21
52DLH10	339	222	22
44LH12	356	192	25
52DLH11	372	243	24
52DLH12	416	265	26
48LH13	417	246	26
44LH13	423	228	29
52DLH13	505	321	30
56DLH14	562	384	31
52DLH14	577	359	34
52DLH15	648	404	38

Joist	Allowable Loads (PLF)		Joist Weight
79' LENGTH (Cont.)			
48LH16	652	383	40
60DLH16	689	514	38
56DLH16	693	482	38
52DLH16	699	450	41
48LH17	732	428	45
64DLH17	788	622	41
60DLH17	792	585	44
52DLH17	805	513	48
60DLH18	914	660	47
80' LENGTH			
40LH8	178	86	15
40LH9	233	113	18
44LH9	236	127	18
40LH10	255	124	20
44LH10	260	139	19
48LH11	272	160	18
44LH11	282	151	21
52DLH10	335	217	22
44LH12	347	185	25
52DLH11	368	237	24
52DLH12	410	258	26
48LH13	412	240	26
44LH13	413	220	29
48LH14	486	283	32
52DLH13	498	313	31
60DLH14	527	380	30
56DLH14	555	374	32
52DLH14	570	350	35
52DLH15	640	394	38
64DLH16	675	533	35
60DLH16	680	501	38
56DLH16	684	470	38
52DLH16	690	438	41
48LH17	723	417	47
60DLH17	782	570	44
52DLH17	795	500	48
60DLH18	903	644	48
81' LENGTH			
44LH9	231	122	18
44LH10	254	134	19
48LH11	269	156	18
44LH11	276	146	21
52DLH10	331	211	22
44LH12	339	179	25
48LH12	340	196	23
52DLH11	363	231	23
52DLH12	405	252	26
48LH13	407	234	27
48LH14	480	276	32
52DLH13	492	305	31
56DLH14	548	365	32
52DLH14	563	341	35
52DLH15	632	384	38
64DLH16	667	520	36
60DLH16	672	489	38
52DLH16	682	428	42
48LH17	714	407	47
64DLH17	769	592	41
52DLH17	785	488	48
64DLH18	888	669	47
60DLH18	891	628	53
68DLH19	998	803	52
82' LENGTH			
44LH9	226	118	18
44LH10	249	130	19
44LH11	269	140	21
44LH12	331	172	25

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Combined K, VS, LH & DLH Series Load Table

82' LENGTH (Cont.)

Joist	Allowable Loads (PLF)		Joist Weight
52DLH11	359	225	24
52DLH12	400	246	27
48LH13	402	228	28
44LH14	446	231	31
52DLH13	486	298	31
60DLH14	514	362	31
44LH15	524	271	31
52DLH14	556	333	35
60DLH15	604	427	34
52DLH15	624	375	39
64DLH16	659	508	36
60DLH16	664	477	38
52DLH16	673	417	44
48LH17	706	397	47
52DLH17	775	476	48
64DLH18	877	653	46
60DLH18	880	613	53
68DLH19	986	783	52

83' LENGTH

Joist	Allowable Loads (PLF)		Joist Weight
44LH9	221	114	18
44LH10	243	125	19
44LH11	264	136	21
44LH12	323	166	25
48LH12	329	185	24
52DLH11	354	220	25
52DLH12	396	240	27
44LH14	436	223	31
60DLH13	457	332	28
56DLH13	473	311	30
52DLH13	480	291	32
60DLH14	508	353	30
44LH15	512	261	31
52DLH14	549	325	35
60DLH15	596	417	34
56DLH15	611	392	37
60DLH16	656	466	38
52DLH16	665	407	44
48LH17	690	383	47
60DLH17	754	529	45
52DLH17	766	465	48
64DLH18	866	637	48
60DLH18	870	598	53
68DLH19	974	765	54

84' LENGTH

Joist	Allowable Loads (PLF)		Joist Weight
44LH9	216	110	18
44LH10	238	121	19
44LH11	258	131	21
44LH12	315	160	25
52DLH10	319	196	23
48LH12	322	179	24
52DLH11	350	215	25
52DLH12	391	234	27
44LH14	425	215	31
56DLH13	467	304	30
52DLH13	475	284	32
44LH15	500	252	31
60DLH14	502	345	31
48LH15	521	287	36
52DLH14	543	317	37
60DLH15	589	407	34
56DLH15	604	383	38
60DLH16	648	455	39
52DLH16	657	397	44
48LH17	675	371	47
60DLH17	745	517	45
56DLH17	751	485	46
52DLH17	757	454	52
64DLH18	856	622	48
60DLH18	859	584	53

84' LENGTH (Cont.)

Joist	Allowable Loads (PLF)		Joist Weight
68DLH19	962	746	54

85' LENGTH

Joist	Allowable Loads (PLF)		Joist Weight
44LH9	211	108	18
44LH10	233	117	19
44LH11	252	127	21
44LH12	308	155	25
52DLH10	315	192	24
52DLH11	346	210	25
52DLH12	386	229	27
44LH14	415	207	31
56DLH13	462	297	30
52DLH13	469	277	32
44LH15	488	243	31
60DLH14	496	336	31
48LH15	510	278	36
52DLH14	536	310	37
60DLH15	582	397	34
56DLH15	596	374	38
60DLH16	640	444	39
56DLH16	644	416	41
52DLH16	650	388	45
48LH17	660	358	47
72DLH17	690	564	38
60DLH17	736	505	45
56DLH17	742	474	46
52DLH17	748	443	52
64DLH18	846	607	47
60DLH18	849	570	53
68DLH19	951	729	54

86' LENGTH

Joist	Allowable Loads (PLF)		Joist Weight
44LH9	207	103	18
44LH10	228	113	19
44LH11	247	123	21
44LH12	300	149	25
52DLH10	312	187	24
52DLH11	342	205	26
52DLH12	382	223	27
44LH14	406	200	31
56DLH13	456	290	30
52DLH13	463	271	33
60DLH14	490	329	32
48LH15	499	269	36
52DLH14	530	302	37
60DLH15	575	388	36
56DLH15	589	365	38
52DLH15	595	341	41
68DLH16	626	488	37
64DLH16	628	461	38
60DLH16	633	434	40
56DLH16	636	407	41
52DLH16	642	379	45
48LH17	646	346	47
72DLH17	682	551	38
60DLH17	727	493	45
56DLH17	733	463	48
52DLH17	739	433	52
68DLH18	816	627	46
60DLH18	839	557	53
68DLH19	940	712	54

87' LENGTH

Joist	Allowable Loads (PLF)		Joist Weight
44LH9	202	99	18
44LH10	223	110	19
44LH11	242	119	21
44LH12	293	144	25
52DLH10	308	183	24
52DLH11	338	200	26
52DLH12	377	218	27

87' LENGTH (Cont.)

Joist	Allowable Loads (PLF)		Joist Weight
44LH14	396	193	31
48LH14	425	227	32
56DLH13	451	283	31
52DLH13	458	264	33
44LH15	466	227	31
60DLH14	485	321	32
48LH15	488	260	36
52DLH14	524	295	37
64DLH15	552	403	35
56DLH15	583	357	38
52DLH15	588	333	41
64DLH16	621	451	38
56DLH16	629	397	41
52DLH16	635	370	45
72DLH17	674	538	39
60DLH17	719	482	46
56DLH17	725	452	48
52DLH17	730	423	52
68DLH18	807	613	46
60DLH18	830	544	53
68DLH19	929	696	54

88' LENGTH

Joist	Allowable Loads (PLF)		Joist Weight
44LH9	198	96	18
44LH10	218	106	19
44LH11	236	115	21
44LH12	287	139	25
52DLH10	305	179	23
52DLH11	334	196	26
52DLH12	373	213	27
44LH14	387	187	31
48LH14	416	220	32
56DLH13	446	277	31
52DLH13	453	258	33
44LH15	455	219	31
60DLH14	479	314	32
52DLH14	518	289	37
64DLH15	545	393	35
60DLH15	562	370	37
56DLH15	582	325	41
64DLH16	614	440	38
52DLH16	627	362	45
72DLH17	666	526	41
60DLH17	711	471	46
56DLH17	716	442	48
52DLH17	722	413	52
72DLH18	780	594	47
68DLH18	797	599	48
60DLH18	820	532	53
72DLH19	915	674	54
68DLH19	918	680	56

89' LENGTH

Joist	Allowable Loads (PLF)		Joist Weight
48LH10	212	112	18
48LH11	229	120	20
52DLH10	301	175	23
52DLH11	330	191	26
52DLH12	369	209	28
48LH14	407	212	32
52DLH13	448	253	33
60DLH14	474	307	32
52DLH14	512	282	38
64DLH15	539	385	34
60DLH15	556	362	37
52DLH15	575	318	41
64DLH16	607	431	38
60DLH16	611	405	40
52DLH16	620	354	45
72DLH17	659	514	41
60DLH17	703	460	46
56DLH17	708	432	49

89' LENGTH (Cont.)

Joist	Allowable Loads (PLF)		Joist Weight
52DLH17	714	404	52
72DLH18	771	581	47
68DLH18	788	586	48
60DLH18	811	520	53
72DLH19	905	659	54
68DLH19	908	665	55

90' LENGTH

Joist	Allowable Loads (PLF)		Joist Weight
48LH10	208	108	18
48LH11	225	117	20
52DLH10	298	171	24
52DLH11	327	187	26
48LH13	338	175	29
52DLH12	365	204	29
48LH14	399	206	32
60DLH13	422	282	30
56DLH13	436	265	31
52DLH13	443	247	34
60DLH14	468	300	32
52DLH14	507	276	38
64DLH15	533	376	34
60DLH15	550	354	37
64DLH16	600	421	39
60DLH16	604	396	40
52DLH16	614	346	45
72DLH17	651	503	40
60DLH17	695	450	46
72DLH18	763	568	46
68DLH18	780	573	48
60DLH18	802	508	53
72DLH19	894	644	54
68DLH19	898	650	55

91' LENGTH

Joist	Allowable Loads (PLF)		Joist Weight
48LH10	204	105	18
48LH11	220	113	20
52DLH10	291	165	24
52DLH11	320	181	26
48LH13	332	170	29
52DLH12	357	197	29
48LH14	390	199	32
60DLH13	417	276	30
52DLH13	433	239	33
48LH15	448	228	36
64DLH14	460	313	32
60DLH14	463	293	34
52DLH14	497	266	38
64DLH15	527	368	35
60DLH15	544	346	37
64DLH16	593	412	39
60DLH16	598	387	42
52DLH16	601	335	45
60DLH17	687	440	46
72DLH18	754	555	46
67DLH18	771	560	48
60DLH18	793	497	53
72DLH19	885	630	54
68DLH19	888	636	55

92' LENGTH

Joist	Allowable Loads (PLF)		Joist Weight
48LH10	200	102	18
48LH11	216	110	20
52DLH10	285	159	24
52DLH11	313	174	26
48LH13	325	164	29
52DLH12	349	191	29
56DLH12	352	209	27
48LH14	383	193	32
60DLH13	412	270	30
52DLH13	424	231	33

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92' LENGTH (Cont.)

Joist	Allowable Loads (PLF)		Joist Weight
56DLH13	427	253	32
48LH15	439	221	36
60DLH14	458	287	34
52DLH14	486	258	38
64DLH15	521	360	35
60DLH15	538	339	38
52DLH15	545	291	42
56DLH15	551	319	41
60DLH16	591	379	42
56DLH16	595	355	45
60DLH17	680	431	46
72DLH18	746	543	46
68DLH18	763	548	48
60DLH18	784	486	53
68DLH19	878	622	55

93' LENGTH

Joist	Allowable Loads (PLF)		Joist Weight
48LH10	196	99	18
48LH11	212	106	20
52DLH10	279	154	23
52DLH11	306	169	26
48LH13	318	159	29
52DLH12	342	185	29
56DLH12	349	204	27
48LH14	375	187	32
52DLH13	414	224	33
48LH15	430	214	36
60DLH14	453	281	34
52DLH14	476	249	38
56DLH14	477	277	37
60DLH15	532	332	38
52DLH15	533	282	42
56DLH15	545	312	41
68DLH16	578	417	38
60DLH16	585	371	42
56DLH16	588	348	45
64DLH17	669	448	46
60DLH17	672	421	49
56DLH17	678	395	51
68DLH18	754	536	48
64DLH18	773	507	53
60DLH18	776	476	56
68DLH19	869	609	54

94' LENGTH

Joist	Allowable Loads (PLF)		Joist Weight
48LH10	192	96	18
48LH11	208	103	20
52DLH10	273	150	23
52DLH11	299	164	26
48LH13	312	154	29
52DLH12	334	179	29
56DLH12	345	200	27
48LH14	367	181	32
52DLH13	406	216	33
48LH15	422	208	36
60DLH14	448	275	34
52DLH14	466	242	37
52DLH14	472	271	37
60DLH15	526	325	38
56DLH15	539	306	41
68DLH16	572	408	38
60DLH16	579	363	41
56DLH16	582	340	45
72DLH17	623	461	42
60DLH17	665	412	49
56DLH17	670	387	51
72DLH18	730	520	47
60DLH18	768	466	55
72DLH19	856	590	55
68DLH19	859	596	58

95' LENGTH

Joist	Allowable Loads (PLF)		Joist Weight
48LH10	188	93	18
48LH11	204	100	20
52DLH10	267	145	23
52DLH11	293	158	26
52DLH12	327	173	29
56DLH12	341	196	27
48LH14	360	176	32
52DLH13	397	209	33
60DLH13	399	253	31
48LH15	413	201	36
60DLH14	444	269	34
52DLH14	457	234	37
56DLH14	467	265	37
68DLH15	477	340	34
60DLH15	521	318	38
56DLH15	533	299	41
68DLH16	566	400	38
64DLH16	568	378	41
60DLH16	573	355	44
56DLH16	576	333	45
72DLH17	617	451	42
60DLH17	658	404	48
56DLH17	663	379	51
72DLH18	723	509	48
60DLH18	760	456	56
72DLH19	847	578	55
68DLH19	850	583	60

96' LENGTH

Joist	Allowable Loads (PLF)		Joist Weight
48LH10	185	90	18
48LH11	200	91	20
52DLH10	261	140	24
52DLH11	287	153	26
48LH13	300	145	29
52DLH12	320	168	29
60DLH12	325	205	27
56DLH12	338	192	29
48LH14	353	171	32
52DLH13	389	203	33
60DLH13	395	248	32
48LH15	405	195	36
64DLH14	436	281	32
60DLH14	439	264	34
52DLH14	447	227	38
56DLH14	462	260	38
60DLH15	515	311	38
48LH17	525	252	47
64DLH16	562	370	41
60DLH16	567	348	44
56DLH16	570	326	45
72DLH17	610	442	42
64DLH17	648	421	46
60DLH17	651	395	49
56DLH17	656	371	51
72DLH18	715	499	48
64DLH18	748	476	53
60DLH18	752	447	57
72DLH19	838	566	55
68DLH19	841	571	60

97' LENGTH

Joist	Allowable Loads (PLF)		Joist Weight
52DLH10	256	136	24
52DLH11	281	149	26
52DLH12	314	163	29
60DLH12	322	201	27
56DLH12	334	188	28
52DLH13	381	197	33
60DLH13	391	243	32
60DLH14	434	258	34
52DLH14	438	220	38
56DLH14	457	254	38

97' LENGTH (Cont.)

Joist Type	Allowable Loads (PLF) Total	Live	Joist Weight (lbs./ft.)
64DLH15	494	324	37
60DLH15	510	305	40
72DLH16	537	380	38
64DLH16	557	362	42
60DLH16	561	341	44
72DLH17	604	433	42
64DLH17	641	412	46
56DLH17	650	363	51
72DLH18	708	488	48
64DLH18	741	466	53
60DLH18	744	437	59
72DLH19	830	554	55
68DLH19	833	559	60

98' LENGTH

Joist Type	Allowable Loads (PLF) Total	Live	Joist Weight (lbs./ft.)
52DLH10	251	132	24
52DLH11	275	144	26
52DLH12	307	158	29
60DLH12	318	197	27
56DLH12	331	184	30
52DLH13	373	191	33
60DLH13	387	238	32
56DLH13	401	223	34
60DLH14	430	253	34
56DLH14	453	249	38
64DLH15	489	317	37
60DLH15	505	298	40
72DLH16	531	373	39
64DLH16	551	355	42
60DLH16	555	334	44
56DLH16	559	313	46
72DLH17	598	424	43
64DLH17	635	404	46
56DLH17	643	356	51
72DLH18	700	478	48
64DLH18	733	456	53
60DLH18	736	428	59
72DLH19	821	543	55
68DLH19	824	548	60

99' LENGTH

Joist Type	Allowable Loads (PLF) Total	Live	Joist Weight (lbs./ft.)
52DLH10	246	128	24
52DLH11	270	140	26
52DLH12	301	153	29
60DLH12	315	193	27
56DLH12	324	178	29
52DLH13	366	185	33
60DLH13	383	233	33
56DLH13	394	216	33
60DLH14	426	248	34
56DLH14	444	242	38
64DLH15	484	311	37
60DLH15	500	292	40
64DLH16	545	348	42
60DLH16	549	327	44
72DLH17	592	415	43
64DLH17	628	395	46
56DLH17	630	345	51
72DLH18	693	469	48
64DLH18	726	447	53
60DLH18	729	420	59
72DLH19	813	532	58
68DLH19	816	537	61

100' LENGTH

Joist Type	Allowable Loads (PLF) Total	Live	Joist Weight (lbs./ft.)
52DLH10	241	124	24
52DLH11	264	135	26
52DLH12	295	149	29
60DLH12	312	189	27
56DLH12	318	173	29

100' LENGTH (Cont.)

Joist Type	Allowable Loads (PLF) Total	Live	Joist Weight (lbs./ft.)
52DLH13	358	180	33
60DLH13	379	228	32
56DLH13	386	209	33
52DLH14	413	201	37
60DLH14	421	243	35
56DLH14	435	234	38
64DLH15	480	304	37
60DLH15	495	287	41
72DLH16	521	358	39
60DLH16	544	320	45
72DLH17	586	407	44
64DLH17	622	388	49
72DLH18	686	459	48
64DLH18	718	438	55
60DLH18	721	411	59
72DLH19	805	521	58
68DLH19	808	526	61

101' LENGTH

Joist Type	Allowable Loads (PLF) Total	Live	Joist Weight (lbs./ft.)
52DLH10	236	120	23
52DLH11	259	132	26
56DLH12	289	144	29
60DLH12	309	185	27
56DLH12	312	168	29
52DLH13	351	174	33
60DLH13	375	224	32
56DLH13	379	204	33
52DLH14	405	194	37
60DLH14	417	238	35
56DLH14	427	228	37
68DLH15	449	301	35
64DLH15	475	298	39
60DLH15	490	281	41
60DLH16	538	314	46
72DLH17	580	399	44
64DLH17	616	380	49
60DLH17	619	357	52
72DLH18	679	450	51
64DLH18	711	430	56
60DLH18	714	403	59
72DLH19	797	511	60
68DLH19	800	516	61

102' LENGTH

Joist Type	Allowable Loads (PLF) Total	Live	Joist Weight (lbs./ft.)
52DLH10	231	116	23
52DLH11	254	128	26
52DLH12	284	140	29
56DLH12	306	163	29
52DLH13	344	170	33
64DLH13	358	232	31
60DLH13	372	219	34
52DLH14	397	189	37
60DLH14	413	233	35
56DLH14	419	221	38
68DLH15	445	295	35
64DLH15	470	292	39
60DLH15	485	275	41
60DLH16	533	308	46
72DLH17	574	391	45
64DLH17	610	372	49
60DLH17	613	350	52
72DLH18	673	442	51
60DLH18	707	395	59
72DLH19	789	501	60
68DLH19	792	506	61

103' LENGTH

Joist Type	Allowable Loads (PLF) Total	Live	Joist Weight (lbs./ft.)
52DLH10	227	114	24
52DLH11	249	124	26
52DLH12	278	135	29

ECONOMICAL JOIST GUIDE
Combined K, VS, LH & DLH Series Load Table

103' LENGTH (Cont.)

Joist Type	Allowable Loads (PLF) Total	Allowable Loads (PLF) Live	Joist Weight (lbs./ft.)
60DLH12	303	178	28
52DLH13	338	164	33
64DLH13	355	228	32
60DLH13	368	215	34
52DLH14	390	184	38
64DLH14	406	244	34
60DLH14	409	229	37
56DLH14	411	214	38
68DLH15	440	289	35
64DLH15	466	287	39
60DLH15	480	270	41
68DLH16	522	340	41
60DLH16	528	302	46
72DLH17	569	384	45
68DLH17	588	386	47
60DLH17	607	343	52
64DLH18	697	413	56
60DLH18	700	388	59
72DLH19	781	491	60
68DLH19	784	496	61

104' LENGTH

Joist Type	Allowable Loads (PLF) Total	Allowable Loads (PLF) Live	Joist Weight (lbs./ft.)
52DLH10	223	110	24
52DLH11	244	120	26
52DLH12	273	132	29
56DLH12	295	153	30
60DLH12	300	175	29
52DLH13	331	159	33
64DLH13	351	224	32
56DLH13	358	186	34
60DLH13	365	211	34
52DLH14	382	178	38
64DLH14	402	239	34
60DLH14	405	224	37
64DLH15	461	281	39
60DLH15	476	265	43
72DLH16	501	331	40
68DLH16	517	333	41
60DLH16	523	296	46
72DLH17	563	376	45
68DLH17	583	379	46
60DLH17	601	337	52
72DLH18	660	425	53
68DLH18	674	428	53
60DLH18	694	380	59
68DLH19	777	486	61

105' LENGTH

Joist Type	Allowable Loads (PLF) Total	Allowable Loads (PLF) Live	Joist Weight (lbs./ft.)
56DLH11	253	136	26
56DLH12	289	150	29
60DLH12	297	171	29
64DLH13	348	219	32
56DLH13	351	181	34
60DLH13	361	207	34
64DLH14	398	235	34
60DLH14	401	220	37
68DLH15	432	278	37
64DLH15	457	276	40
60DLH15	471	260	43
72DLH16	496	324	40
68DLH16	512	327	42
60DLH16	518	290	45
68DLH17	577	372	46
60DLH17	595	330	52
68DLH18	668	420	53
60DLH18	687	373	59
68DLH19	769	477	61

106' LENGTH

Joist Type	Allowable Loads (PLF) Total	Allowable Loads (PLF) Live	Joist Weight (lbs./ft.)
56DLH11	248	133	26

106' LENGTH (Cont.)

Joist Type	Allowable Loads (PLF) Total	Allowable Loads (PLF) Live	Joist Weight (lbs./ft.)
56DLH12	284	145	29
60DLH12	295	168	29
56DLH13	344	175	34
60DLH13	358	203	34
64DLH14	395	230	34
60DLH14	398	216	37
68DLH15	428	273	37
64DLH15	452	271	40
60DLH15	467	255	43
72DLH16	491	318	41
64DLH16	509	303	45
60DLH16	513	285	46
68DLH17	572	365	46
60DLH17	590	324	52
68DLH18	662	412	53
60DLH18	681	366	59
68DLH19	762	468	60

107' LENGTH

Joist Type	Allowable Loads (PLF) Total	Allowable Loads (PLF) Live	Joist Weight (lbs./ft.)
56DLH11	244	129	36
56DLH12	278	141	29
60DLH12	289	163	29
60DLH13	351	197	34
64DLH14	391	226	34
68DLH15	424	268	38
64DLH15	448	266	40
60DLH15	458	248	43
72DLH16	487	312	41
64DLH16	504	298	46
72DLH17	548	355	46
68DLH17	566	358	49
60DLH17	579	315	52
64DLH17	581	338	52
68DLH18	655	405	53
60DLH18	668	357	59
64DLH18	671	383	59
68DLH19	755	459	61

108' LENGTH

Joist Type	Allowable Loads (PLF) Total	Allowable Loads (PLF) Live	Joist Weight (lbs./ft.)
56DLH11	239	125	26
56DLH12	273	137	29
60DLH12	284	158	29
60DLH13	345	191	34
60DLH14	383	205	37
64DLH14	387	222	36
72DLH15	417	260	36
68DLH15	420	263	38
64DLH15	444	261	40
60DLH15	450	242	43
72DLH16	482	307	41
64DLH16	500	292	46
72DLH17	542	349	46
60DLH17	569	306	52
64DLH17	576	332	52
60DLH18	656	346	59
64DLH18	665	376	59
72DLH19	745	447	61
68DLH19	748	451	61

109' LENGTH

Joist Type	Allowable Loads (PLF) Total	Allowable Loads (PLF) Live	Joist Weight (lbs./ft.)
56DLH11	235	122	26
56DLH12	268	133	29
60DLH12	279	154	29
56DLH13	325	161	33
60DLH13	339	187	34
60DLH14	376	199	37
64DLH14	384	218	37
72DLH15	413	255	36
68DLH15	416	258	38
64DLH15	440	256	41

109' LENGTH (Cont.)

Joist Type	Allowable Loads (PLF) Total	Allowable Loads (PLF) Live	Joist Weight (lbs./ft.)
60DLH15	442	235	43
72DLH16	478	301	41
64DLH16	495	287	46
72DLH17	537	342	47
60DLH17	558	298	52
64DLH17	571	326	52
60DLH18	644	337	59
64DLH18	659	369	59
72DLH19	738	439	61
68DLH19	741	443	67

110' LENGTH

Joist Type	Allowable Loads (PLF) Total	Allowable Loads (PLF) Live	Joist Weight (lbs./ft.)
56DLH11	231	118	26
60DLH12	274	150	29
60DLH13	333	181	34
60DLH14	370	193	37
64DLH14	380	214	37
72DLH15	409	251	36
68DLH15	412	254	38
60DLH15	434	228	43
64DLH15	436	251	41
72DLH16	473	295	41
60DLH16	476	255	46
64DLH16	491	281	46
72DLH17	533	336	47
60DLH17	548	290	52
68DLH17	551	338	49
64DLH17	565	320	52
60DLH18	632	327	59
68DLH18	637	383	56
64DLH18	653	362	59
72DLH19	731	431	61
68DLH19	734	434	67

111' LENGTH

Joist Type	Allowable Loads (PLF) Total	Allowable Loads (PLF) Live	Joist Weight (lbs./ft.)
56DLH11	227	115	26
56DLH12	259	126	30
60DLH12	270	146	29
64DLH12	271	161	28
56DLH13	314	152	34
60DLH13	327	176	34
64DLH13	329	196	33
60DLH14	363	189	37
64DLH14	377	210	37
68DLH15	408	249	38
64DLH15	432	247	41
56DLH16	436	214	46
64DLH16	486	276	46
72DLH17	528	330	47
68DLH17	546	332	49
64DLH17	560	314	52
72DLH18	618	373	53
60DLH18	621	319	59
64DLH18	647	356	59
72DLH19	725	423	61
68DLH19	727	427	67

112' LENGTH

Joist Type	Allowable Loads (PLF) Total	Allowable Loads (PLF) Live	Joist Weight (lbs./ft.)
56DLH11	223	113	26
56DLH12	254	123	29
60DLH12	265	142	29
64DLH12	269	159	29
56DLH13	308	149	33
60DLH13	322	171	34
64DLH13	326	193	34
60DLH14	356	183	37
64DLH14	373	206	37
68DLH15	405	245	38
64DLH15	428	242	41
64DLH16	482	271	46

112' LENGTH (Cont.)

Joist Type	Allowable Loads (PLF) Total	Allowable Loads (PLF) Live	Joist Weight (lbs./ft.)
72DLH17	523	324	47
64DLH17	555	309	52
72DLH18	613	366	53
64DLH18	641	349	59
72DLH19	718	415	61
68DLH19	721	419	67

113' LENGTH

Joist Type	Allowable Loads (PLF) Total	Allowable Loads (PLF) Live	Joist Weight (lbs./ft.)
60DLH12	261	138	29
64DLH12	266	156	29
60DLH13	316	167	34
64DLH13	323	189	34
60DLH14	350	178	37
64DLH14	370	203	37
68DLH15	401	240	39
64DLH15	424	238	41
60DLH16	451	235	46
72DLH16	461	280	43
68DLH16	476	282	45
72DLH17	518	318	47
60DLH17	519	267	52
64DLH17	550	303	52
72DLH18	607	360	53
64DLH18	636	343	59
72DLH19	712	408	62
68DLH19	714	412	67

114' LENGTH

Joist Type	Allowable Loads (PLF) Total	Allowable Loads (PLF) Live	Joist Weight (lbs./ft.)
60DLH12	256	134	29
64DLH12	264	153	29
60DLH13	311	163	34
64DLH13	321	186	34
60DLH14	344	173	37
64DLH14	367	199	37
68DLH15	398	236	39
60DLH15	405	205	43
64DLH15	421	234	43
60DLH16	444	228	46
72DLH16	457	275	43
68DLH16	472	277	46
64DLH16	474	262	46
72DLH17	514	313	50
64DLH17	546	298	52
60DLH18	589	394	59
64DLH18	630	337	59
72DLH19	706	401	64
68DLH19	708	404	67

115' LENGTH

Joist Type	Allowable Loads (PLF) Total	Allowable Loads (PLF) Live	Joist Weight (lbs./ft.)
60DLH12	252	131	29
64DLH12	259	150	29
60DLH13	306	158	34
64DLH13	315	181	34
60DLH14	338	170	37
64DLH14	360	193	37
68DLH15	394	232	39
60DLH15	398	200	43
64DLH15	414	228	43
72DLH16	453	270	43
68DLH16	467	272	46
72DLH17	509	307	50
64DLH17	536	290	52
60DLH18	578	286	59
72DLH18	597	347	54
64DLH18	619	328	59
68DLH19	702	397	66

116' LENGTH

Joist Type	Allowable Loads (PLF) Total	Allowable Loads (PLF) Live	Joist Weight (lbs./ft.)
60DLH12	248	128	29

ECONOMICAL JOIST GUIDE
Combined K, VS, LH & DLH Series Load Table

Joist Type	Allowable Loads (PLF) Total	Allowable Loads (PLF) Live	Joist Weight (lbs./ft.)
116' LENGTH (Cont.)			
64DLH12	255	146	29
60DLH13	301	154	34
64DLH13	310	176	34
60DLH14	332	165	37
64DLH14	354	189	37
68DLH15	391	228	39
60DLH15	392	194	43
64DLH15	407	223	43
60DLH16	428	217	46
68DLH16	463	268	46
60DLH17	493	247	52
72DLH17	505	302	50
64DLH17	527	283	52
60DLH18	568	279	59
64DLH18	608	320	59
68DLH19	696	391	66
117' LENGTH			
60DLH12	244	124	29
64DLH12	251	142	29
60DLH13	296	151	34
64DLH13	305	171	34
60DLH14	327	161	37
64DLH14	349	184	37
72DLH15	385	222	38
68DLH15	387	224	41
64DLH15	400	217	43
60DLH16	421	211	46
64DLH16	450	242	46
68DLH16	459	263	46
60DLH17	484	241	52
72DLH17	501	297	50
64DLH17	518	275	52
60DLH18	559	272	59
64DLH18	598	311	59
68DLH18	599	388	60
72DLH19	687	381	67
68DLH19	690	384	67
118' LENGTH			
60DLH12	240	121	29
64DLH12	247	138	29
60DLH13	291	147	34
60DLH14	321	156	37
64DLH14	343	179	37
72DLH15	382	218	38
68DLH15	384	220	41
64DLH15	394	211	43
60DLH16	414	206	46
72DLH16	441	257	45
68DLH16	456	259	46
72DLH17	496	292	50
64DLH17	509	268	52
68DLH17	513	294	53
60DLH18	549	266	59
64DLH18	587	304	59
68DLH18	594	333	60
72DLH19	682	374	67
68DLH19	684	377	67
119' LENGTH			
60DLH12	236	118	29
64DLH12	243	135	29
60DLH13	286	143	34
64DLH13	295	163	34
60DLH14	316	152	37
64DLH14	337	174	37
68DLH14	340	193	38
72DLH15	378	214	38
68DLH15	381	217	40
119' LENGTH (Cont.)			
64DLH15	387	206	43
60DLH16	407	201	46
72DLH16	437	252	45
68DLH16	452	254	46
72DLH17	492	287	49
64DLH17	501	262	52
68DLH17	509	289	53
60DLH18	540	259	59
64DLH18	578	296	59
68DLH18	589	327	60
72DLH19	676	368	67
68DLH19	678	371	67
120' LENGTH			
60DLH12	232	115	29
64DLH12	239	132	29
60DLH13	282	139	34
64DLH13	291	159	34
60DLH14	310	149	37
64DLH14	332	171	37
68DLH14	337	190	38
72DLH15	375	211	38
68DLH15	378	213	40
64DLH15	381	201	43
60DLH16	400	196	46
72DLH16	434	248	45
68DLH16	448	250	46
72DLH17	488	282	49
64DLH17	492	255	52
68DLH17	505	284	53
60DLH18	531	252	59
64DLH18	568	288	59
68DLH18	584	321	60
68DLH19	673	365	67
121' LENGTH			
64DLH12	235	129	29
64DLH13	286	155	34
64DLH14	326	166	37
68DLH14	334	187	38
72DLH15	372	207	40
68DLH15	375	209	40
72DLH16	430	244	45
68DLH16	444	246	49
72DLH17	484	278	49
68DLH17	501	280	53
64DLH18	559	282	59
68DLH18	579	316	60
68DLH19	667	359	67
122' LENGTH			
64DLH12	231	125	29
64DLH13	281	152	34
68DLH13	288	171	35
64DLH14	321	162	37
68DLH14	332	185	38
72DLH15	369	204	40
68DLH15	372	206	42
72DLH16	427	240	45
68DLH16	441	242	49
64DLH17	476	243	52
68DLH17	497	275	53
64DLH18	549	274	59
68DLH18	575	311	60
72DLH19	659	350	67
68DLH19	662	353	67
123' LENGTH			
64DLH12	228	122	29
123' LENGTH (Cont.)			
64DLH13	277	148	34
68DLH13	284	168	35
64DLH14	316	158	37
68DLH14	327	179	38
68DLH15	365	201	42
72DLH15	366	200	41
72DLH16	423	236	45
68DLH16	433	236	49
64DLH17	468	237	52
68DLH17	489	268	53
64DLH18	540	267	59
68DLH18	566	304	60
72DLH19	654	344	67
124' LENGTH			
64DLH12	224	119	29
64DLH13	273	144	34
68DLH13	279	164	35
64DLH14	311	154	37
68DLH14	322	175	38
68DLH15	360	196	42
72DLH15	363	197	41
64DLH16	401	203	46
72DLH16	420	232	47
68DLH16	427	230	49
64DLH17	461	231	52
68DLH17	481	262	53
64DLH18	532	261	59
68DLH18	557	297	60
72DLH19	649	339	68
125' LENGTH			
64DLH12	221	216	29
64DLH13	269	141	34
64DLH14	306	151	37
68DLH14	317	171	38
68DLH15	354	191	41
72DLH15	360	194	41
64DLH16	394	198	46
72DLH16	416	229	47
68DLH16	420	225	49
64DLH17	454	226	52
68DLH17	474	256	53
64DLH18	523	255	59
68DLH18	549	289	60
72DLH19	643	333	67
126' LENGTH			
64DLH12	218	114	29
64DLH13	264	131	34
64DLH14	301	147	37
68DLH14	312	167	38
72DLH15	357	191	41
64DLH16	388	193	46
72DLH16	413	225	47
64DLH17	446	220	52
68DLH17	467	249	53
64DLH18	515	249	59
68DLH18	540	283	60
72DLH18	544	289	59
72DLH19	638	328	67
127' LENGTH			
64DLH12	214	111	29
64DLH13	260	134	34
64DLH14	296	143	37
68DLH14	308	163	38
72DLH14	309	168	37
68DLH15	343	182	41
127' LENGTH (Cont.)			
72DLH15	354	188	41
64DLH16	382	189	46
72DLH16	410	221	47
64DLH17	439	215	52
72DLH17	461	252	53
64DLH18	507	243	59
68DLH18	532	276	60
72DLH18	540	284	59
72DLH19	633	323	67
128' LENGTH			
64DLH12	211	109	29
64DLH13	257	131	34
64DLH14	292	140	37
68DLH14	303	159	38
72DLH14	307	166	37
68DLH15	337	178	41
72DLH15	352	185	41
64DLH16	376	185	46
72DLH16	407	218	47
64DLH17	432	210	52
68DLH17	453	238	53
72DLH17	457	248	53
64DLH18	499	237	59
68DLH18	524	269	60
72DLH18	536	280	59
68DLH19	601	305	67
72DLH19	628	318	67
129' LENGTH			
68DLH13	259	145	35
68DLH14	299	155	38
72DLH14	305	163	38
72DLH15	349	182	41
72DLH16	403	215	49
68DLH17	446	232	53
72DLH17	454	244	53
68DLH18	516	263	60
72DLH18	532	276	59
72DLH19	623	313	67
130' LENGTH			
68DLH13	255	142	35
68DLH14	294	152	38
72DLH14	303	171	38
72DLH15	347	191	41
72DLH16	401	225	49
68DLH17	439	228	55
72DLH17	451	256	56
68DLH18	508	257	60
72DLH18	528	289	59
68DLH19	583	291	67
72DLH19	619	328	70
131' LENGTH			
68DLH13	252	138	35
68DLH14	290	148	38
72DLH14	298	167	38
68DLH15	322	166	41
72DLH15	342	187	43
72DLH16	395	219	49
68DLH17	433	222	53
72DLH17	445	250	53
68DLH18	501	251	59
72DLH18	520	283	59
68DLH19	574	285	67
72DLH19	609	321	70

ECONOMICAL JOIST GUIDE
Combined K, VS, LH & DLH Series Load Table

Joist Type	Allowable Loads (PLF) Total	Live	Joist Weight (lbs./ft.)
132' LENGTH			
68DLH13	248	135	35
68DLH14	286	145	38
72DLH14	294	163	38
68DLH15	317	162	41
72DLH15	336	183	43
68DLH16	376	190	49
72DLH16	390	214	49
68DLH17	427	217	53
72DLH17	438	245	56
68DLH18	493	246	59
72DLH18	512	276	59
68DLH19	565	278	67
72DLH19	600	313	70
133' LENGTH			
68DLH13	244	133	35
68DLH14	281	141	38
72DLH14	290	159	38
68DLH15	312	158	41
72DLH15	331	178	41
68DLH16	371	186	49
72DLH16	384	209	49
68DLH17	420	212	53
72DLH17	432	239	56
68DLH18	486	240	59
72DLH18	505	270	59
68DLH19	557	272	67
72DLH19	591	306	70
134' LENGTH			
68DLH13	241	130	35
68DLH14	277	138	38
72DLH14	285	155	38
68DLH15	308	155	41
72DLH15	326	174	41
68DLH16	365	182	49
72DLH16	378	205	49
72DLH17	426	233	53
68DLH18	479	234	60
72DLH18	497	265	59
68DLH19	548	266	67
72DLH19	582	300	70
135' LENGTH			
68DLH13	237	127	35
68DLH14	273	135	38
72DLH14	281	152	38
68DLH15	303	152	42
72DLH15	322	171	42
68DLH16	360	178	49
72DLH16	373	200	49
68DLH17	408	203	53
72DLH17	420	228	53
68DLH18	472	230	60
72DLH18	490	258	59
68DLH19	540	260	67
72DLH19	573	293	70
136' LENGTH			
68DLH13	234	124	35
68DLH14	269	133	38
72DLH14	277	149	38
68DLH15	299	148	41
72DLH15	317	167	42
68DLH16	354	174	49
72DLH16	368	196	49
68DLH17	403	198	53
72DLH17	414	224	56
68DLH18	465	225	60

Joist Type	Allowable Loads (PLF) Total	Live	Joist Weight (lbs./ft.)
136' LENGTH (Cont.)			
72DLH18	483	252	59
68DLH19	532	254	67
72DLH19	565	286	70
137' LENGTH			
72DLH14	274	146	38
72DLH15	312	163	41
72DLH16	363	191	49
72DLH17	408	218	53
72DLH18	479	247	59
72DLH19	557	280	70
138' LENGTH			
72DLH14	270	143	38
72DLH15	308	160	42
72DLH16	358	188	49
72DLH17	402	213	53
72DLH18	470	242	59
72DLH19	549	274	70
139' LENGTH			
72DLH14	266	139	38
72DLH15	303	156	41
72DLH16	353	183	49
72DLH17	397	209	53
72DLH18	463	236	59
72DLH19	541	541	70
140' LENGTH			
72DLH14	262	136	38
72DLH15	299	152	41
72DLH16	348	179	49
72DLH17	391	205	53
72DLH18	457	231	59
72DLH19	533	263	70
141' LENGTH			
72DLH14	259	133	38
72DLH15	295	150	42
72DLH16	343	175	49
72DLH17	386	200	53
72DLH18	450	227	59
72DLH19	526	257	70
142' LENGTH			
72DLH14	255	131	38
72DLH15	291	147	42
72DLH16	338	171	49
72DLH17	381	196	53
72DLH18	444	222	59
72DLH19	518	251	70
143' LENGTH			
72DLH14	252	128	38
72DLH15	286	143	41
72DLH16	334	169	49
72DLH17	376	191	53
72DLH18	438	217	59
72DLH19	511	247	70
144' LENGTH			
72DLH14	248	125	38
72DLH15	282	140	41
72DLH16	329	165	49
72DLH17	371	188	53

Joist Type	Allowable Loads (PLF) Total	Live	Joist Weight (lbs./ft.)
144' LENGTH (Cont.)			
72DLH18	432	212	59
72DLH19	504	241	70