RMT: Allowable Uniform Floor Loads in pounds per lineal foot
Douglas Fir

RMT™

Floor Beam Allowable Loads for 4x products
Simple Span
(LDF = 1.00)

Nominal Size	Grade	Span (feet)											
		6	8	10	12	14	16	18	20	22	24	26	28
4 x 4	Sel Str	176	74	38	-	-	-	-	-	-	-	-	-
	No. 1	158	66	34	-	-	-	-	-	-	-	-	-
4 x 6	Sel Str	614	322	165	95	60	40	-	-	-	-	-	-
	No. 1	410	230	147	85	54	36	-	-	-	-	-	-
4 x 8	Sel Str	1,068	601	377	218	137	92	65	47	35	-	-	-
	No. 1	712	400	256	178	123	82	58	42	32	-	-	-
4 x 10	Sel Str	1,604	902	578	401	285	191	134	98	74	57	45	36
	No. 1	1,070	602	385	267	196	150	119	88	66	51	40	32
4 x 12	Sel Str	2,175	1,224	783	544	400	306	242	176	132	102	80	64
	No. 1	1,450	816	522	363	266	204	161	131	108	91	72	57
4 x 14	Sel Str	2,743	1,543	988	686	504	386	305	247	204	167	131	105
	No. 1	1,829	1,029	658	457	336	257	203	165	136	114	97	84
4 x 16	Sel Str	3,572	2,044	1,308	908	667	511	404	327	270	227	194	160
	No. 1	2,423	1,363	872	606	445	341	269	218	180	151	129	111
4 x 18	Sel Str	4,471	2,615	1,674	1,162	854	654	517	418	346	291	248	213
	No. 1	3,100	1,744	1,116	775	569	436	344	279	231	194	165	142

RMT™

Floor Beam Allowable Loads for 6x products
Simple Span
(LDF = 1.00)

Nominal Size	Grade	Span (feet)											
		6	8	10	12	14	16	18	20	22	24	26	28
6 x 6	Sel Str	735	414	216	125	79	53	37	-	-	-	-	-
	No. 1	588	331	212	125	79	53	37	-	-	-	-	-
6 x 8	Sel Str	1,278	719	460	286	180	121	85	62	46	36	-	-
	No. 1	1,022	575	368	256	180	121	85	62	46	36	-	-
6 x 10	Sel Str	2,218	1,248	799	555	374	250	176	128	96	74	58	47
	No. 1	1,872	1,053	674	468	344	250	176	128	96	74	58	47
6 x 12	Sel Str	3,245	1,846	1,181	820	603	451	316	231	173	134	105	84
	No. 1	2,769	1,557	997	692	509	389	308	231	173	134	105	84
6 x 14	Sel Str	4,158	2,527	1,617	1,123	825	632	499	377	283	218	172	137
	No. 1	3,789	2,131	1,364	947	696	533	421	341	282	218	172	137
6 x 16	Sel Str	5,247	3,296	2,110	1,465	1,076	824	651	527	432	333	262	209
	No. 1	4,944	2,781	1,780	1,236	908	695	549	445	368	309	262	209
6 x 18	Sel Str	6,569	4,005	2,663	1,849	1,359	1,040	822	666	550	462	379	303
	No. 1	6,239	3,510	2,246	1,560	1,146	877	693	562	464	390	332	286

Notes:

1. A live-load-to-dead-load ratio of 4 is assumed. For example: Design loads of a 40 psf live load and a 10 psf dead load.
2. Deflection Limit is set at L/360 for Live Load only.
3. The tabulated loads apply to normal load duration designs, LDF = 1.00.

RMT: Allowable Uniform Roof Live (Snow) Loads in pounds per lineal foot
Douglas Fir

RMT™

Roof Beam Allowable Loads for 4x products

Simple Span
(LDF = 1.15)

Nominal Size	Grade	Span (feet)											
		6	8	10	12	14	16	18	20	22	24	26	28
4 x 4	Sel Str	282	119	61	35	-	-	-	-	-	-	-	-
	No. 1	205	106	54	32	-	-	-	-	-	-	-	-
4 x 6	Sel Str	707	397	254	152	96	64	45	-	-	-	-	-
	No. 1	471	265	170	118	86	58	40	-	-	-	-	-
4 x 8	Sel Str	1,228	691	442	307	220	147	103	75	57	44	34	-
	No. 1	819	460	295	205	150	115	91	67	51	39	31	-
4 x 10	Sel Str	1,845	1,038	664	461	339	259	205	157	118	91	71	57
	No. 1	1,230	692	443	307	226	173	137	111	91	77	64	51
4 x 12	Sel Str	2,502	1,407	901	625	459	352	278	225	186	156	128	103
	No. 1	1,668	938	600	417	306	235	185	150	124	104	89	77
4 x 14	Sel Str	3,155	1,774	1,136	789	579	444	351	284	235	197	168	145
	No. 1	2,103	1,183	757	526	386	296	234	189	156	131	112	97
4 x 16	Sel Str	4,108	2,351	1,504	1,045	768	588	464	376	311	261	223	192
	No. 1	2,786	1,567	1,003	696	512	392	310	251	207	174	148	128
4 x 18	Sel Str	5,142	3,008	1,925	1,337	982	752	594	481	398	334	285	246
	No. 1	3,565	2,005	1,283	891	655	501	396	321	265	223	190	164

RMT™

Roof Beam Allowable Loads for 6x products

Simple Span
(LDF = 1.15)

Nominal Size	Grade	Span (feet)											
		6	8	10	12	14	16	18	20	22	24	26	28
6 x 6	Sel Str	846	476	304	200	126	84	59	43	32	-	-	-
	No. 1	676	380	244	169	124	84	59	43	32	-	-	-
6 x 8	Sel Str	1,469	826	529	367	270	193	136	99	74	57	45	36
	No. 1	1,175	661	423	294	216	165	131	99	74	57	45	36
6 x 10	Sel Str	2,551	1,435	918	638	469	359	281	205	154	119	93	75
	No. 1	2,152	1,211	775	538	395	303	239	194	154	119	93	75
6 x 12	Sel Str	3,732	2,123	1,358	943	693	531	419	340	277	214	168	135
	No. 1	3,184	1,791	1,146	796	585	448	354	287	237	199	168	135
6 x 14	Sel Str	4,782	2,906	1,860	1,291	949	726	574	465	384	323	275	220
	No. 1	4,358	2,451	1,569	1,089	800	613	484	392	324	272	232	200
6 x 16	Sel Str	6,035	3,791	2,426	1,685	1,238	948	749	606	501	421	359	309
	No. 1	5,686	3,198	2,047	1,421	1,044	800	632	512	423	355	303	261
6 x 18	Sel Str	7,554	4,606	3,062	2,126	1,562	1,196	945	766	633	532	453	391
	No. 1	7,175	4,036	2,583	1,794	1,318	1,009	797	646	534	448	382	329

Notes:

1. A live-load-to-dead-load ratio of 3 is assumed. For example: Design loads of a 30 psf live load and a 10 psf dead load.
2. Deflection Limit is set at L/240 for Live Load only.
3. The tabulated loads apply to snow load duration designs, LDF = 1.15.

RMT: Allowable Uniform Roof Live (Non-Snow) Loads in pounds per lineal foot
Douglas Fir

RMT™

Roof Beam Allowable Loads for 4x products

Simple Span
(LDF = 1.25)

Nominal Size	Grade	Span (feet)											
		6	8	10	12	14	16	18	20	22	24	26	28
4 x 4	Sel Str	282	119	61	35	-	-	-	-	-	-	-	-
	No. 1	222	106	54	32	-	-	-	-	-	-	-	-
4 x 6	Sel Str	768	432	263	152	96	64	45	-	-	-	-	-
	No. 1	512	288	184	128	86	58	40	-	-	-	-	-
4 x 8	Sel Str	1,335	751	480	334	220	147	103	75	57	44	34	-
	No. 1	890	500	320	222	163	125	93	67	51	39	31	-
4 x 10	Sel Str	2,005	1,128	722	501	368	282	215	157	118	91	71	57
	No. 1	1,337	752	481	334	246	188	149	120	99	81	64	51
4 x 12	Sel Str	2,719	1,530	979	680	499	382	302	245	202	163	128	103
	No. 1	1,813	1,020	653	453	333	255	201	163	135	113	97	83
4 x 14	Sel Str	3,429	1,929	1,234	857	630	482	381	309	255	214	183	157
	No. 1	2,286	1,286	823	571	420	321	254	206	170	143	122	105
4 x 16	Sel Str	4,465	2,555	1,635	1,136	834	639	505	409	338	284	242	209
	No. 1	3,028	1,703	1,090	757	556	426	336	273	225	189	161	139
4 x 18	Sel Str	5,589	3,269	2,092	1,453	1,067	817	646	523	432	363	310	267
	No. 1	3,875	2,179	1,395	969	712	545	431	349	288	242	206	178

RMT™

Roof Beam Allowable Loads for 6x products

Simple Span
(LDF = 1.25)

Nominal Size	Grade	Span (feet)											
		6	8	10	12	14	16	18	20	22	24	26	28
6 x 6	Sel Str	919	517	331	200	126	84	59	43	32	-	-	-
	No. 1	735	414	265	184	126	84	59	43	32	-	-	-
6 x 8	Sel Str	1,597	898	575	399	288	193	136	99	74	57	45	36
	No. 1	1,278	719	460	319	235	180	136	99	74	57	45	36
6 x 10	Sel Str	2,773	1,560	998	693	509	390	281	205	154	119	93	75
	No. 1	2,340	1,316	842	585	430	329	260	205	154	119	93	75
6 x 12	Sel Str	4,057	2,307	1,477	1,025	753	577	456	369	277	214	168	135
	No. 1	3,461	1,947	1,246	865	636	487	385	311	257	214	168	135
6 x 14	Sel Str	5,198	3,158	2,021	1,404	1,031	790	624	505	418	349	275	220
	No. 1	4,737	2,664	1,705	1,184	870	666	526	426	352	296	252	217
6 x 16	Sel Str	6,559	4,120	2,637	1,831	1,345	1,030	814	659	545	458	390	335
	No. 1	6,180	3,476	2,225	1,545	1,135	869	687	556	460	386	329	284
6 x 18	Sel Str	8,211	5,007	3,328	2,311	1,698	1,300	1,027	832	688	578	492	425
	No. 1	7,799	4,387	2,808	1,950	1,432	1,097	867	702	580	487	415	358

Notes:

1. A live-load-to-dead-load ratio of 3 is assumed. For example: Design loads of a 30 psf live load and a 10 psf dead load.
2. Deflection Limit is set at L/240 for Live Load only.
3. The tabulated loads apply to roof live load duration designs, LDF = 1.25.