



# OPEN WEB STEEL JOISTS, LA-SERIES

## STANDARD LOAD TABLE LA-SERIES

Based on Allowable Stress of 22,000 psi

Joist Description	Approx. Wt. in Lbs. per Linear Ft.	Depth in Inches	Maximum End Reaction Lbs.	CLEAR OPENING OR NET SPAN IN FEET																	
				49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64		
<b>32LA07</b>	21	32	6,800	274	266	258	250	243	236	229	223	217	211	205	199	194	189	184	179		
<b>32LA08</b>	23	32	8,003	322	312	302	293	284	275	267	259	252	245	238	231	225	218	212	207		
<b>32LA09</b>	25	32	8,705	351	340	329	319	309	300	291	282	274	266	259	252	245	238	232	225		
<b>32LA10</b>	27	32	9,796	394	382	369	358	346	336	326	316	306	297	289	280	272	265	258	250		
<b>32LA11</b>	29	32	10,637	428	415	402	390	378	367	356	346	336	326	317	308	300	291	284	276		
<b>32LA12</b>	31	32	12,034	485	469	454	439	426	413	400	388	376	365	355	345	335	326	317	308		
<b>32LA13</b>	36	32	14,043	565	554	537	520	504	488	473	459	445	432	420	408	396	385	375	365		
<b>32LA14</b>	38	32	15,061	606	595	583	572	561	543	526	510	495	480	465	452	439	426	414	403		
<b>32LA15</b>	43	32	15,878	639	627	615	603	592	581	570	560	551	532	514	498	482	466	452	438		
<b>32LA16</b>	48	32	17,314	697	683	670	657	645	633	622	611	600	590	580	571	562	553	535	519		
				<b>57</b>	<b>58</b>	<b>59</b>	<b>60</b>	<b>61</b>	<b>62</b>	<b>63</b>	<b>64</b>	<b>65</b>	<b>66</b>	<b>67</b>	<b>68</b>	<b>69</b>	<b>70</b>	<b>71</b>	<b>72</b>		
<b>36LA08</b>	23	36	7,685	267	259	252	246	239	233	227	221	216	210	205	200	195	190	186	182		
<b>36LA09</b>	25	36	8,359	290	282	275	267	260	254	247	241	235	229	223	218	213	207	203	198		
<b>36LA10</b>	27	36	9,437	327	318	309	301	293	285	277	270	263	256	250	244	238	232	226	221		
<b>36LA11</b>	29	36	10,215	354	345	336	327	318	310	302	295	287	280	273	267	260	254	248	242		
<b>36LA12</b>	31	36	11,596	402	391	380	370	360	350	341	332	324	315	307	300	292	285	278	271		
<b>36LA13</b>	36	36	13,709	475	462	450	437	426	414	403	393	383	373	364	355	346	337	329	321		
<b>36LA14</b>	38	36	15,398	534	519	504	490	476	463	450	438	427	415	405	394	384	375	365	356		
<b>36LA15</b>	43	36	16,744	581	571	561	552	537	522	509	495	482	467	453	440	428	416	404	393		
<b>36LA16</b>	48	36	18,396	638	627	617	606	597	587	578	569	560	546	532	518	505	493	479	466		
<b>36LA17</b>	54	36	19,598	680	668	657	646	636	625	616	606	597	588	579	571	563	555	541	528		
				<b>65</b>	<b>66</b>	<b>67</b>	<b>68</b>	<b>69</b>	<b>70</b>	<b>71</b>	<b>72</b>	<b>73</b>	<b>74</b>	<b>75</b>	<b>76</b>	<b>77</b>	<b>78</b>	<b>79</b>	<b>80</b>		
<b>40LA09</b>	25	40	8,061	246	240	234	229	224	218	214	209	204	200	195	191	187	183	179	175		
<b>40LA10</b>	27	40	9,131	278	271	265	258	252	246	241	235	230	225	220	215	210	205	201	197		
<b>40LA11</b>	29	40	9,851	300	293	286	280	273	267	261	255	250	244	239	234	229	224	219	214		
<b>40LA12</b>	31	40	11,224	342	334	325	318	310	303	296	289	283	276	270	264	258	253	247	242		
<b>40LA13</b>	36	40	13,269	404	394	385	376	367	358	350	342	334	327	319	312	306	299	293	286		
<b>40LA14</b>	38	40	14,948	455	444	433	422	412	402	392	383	374	365	357	349	341	333	326	319		
<b>40LA15</b>	43	40	16,801	512	499	487	475	464	453	442	432	422	412	403	394	385	375	366	357		
<b>40LA16</b>	48	40	18,977	578	569	561	553	539	527	514	502	491	479	468	458	448	438	428	419		
<b>40LA17</b>	54	40	20,338	619	610	601	592	584	576	568	560	552	540	527	516	504	493	482	472		
<b>40LA18</b>	61	40	22,010	670	660	651	641	632	623	614	606	598	590	582	574	567	560	553	540		
				<b>73</b>	<b>74</b>	<b>75</b>	<b>76</b>	<b>77</b>	<b>78</b>	<b>79</b>	<b>80</b>	<b>81</b>	<b>82</b>	<b>83</b>	<b>84</b>	<b>85</b>	<b>86</b>	<b>87</b>	<b>88</b>		
<b>44LA10</b>	27	44	8,864	241	235	230	226	221	216	212	207	203	199	195	191	187	184	180	177		
<b>44LA11</b>	29	44	9,528	259	253	248	243	238	233	229	224	220	215	210	205	201	197	192	188		
<b>44LA12</b>	31	44	10,896	296	289	283	277	271	266	260	255	250	245	240	235	230	226	222	217		
<b>44LA13</b>	36	44	12,880	350	342	335	328	321	314	308	302	295	290	284	278	273	267	262	257		
<b>44LA14</b>	38	44	14,555	395	386	378	370	361	354	346	339	332	325	318	312	305	299	293	287		
<b>44LA15</b>	43	44	16,342	444	434	425	416	407	398	390	382	374	366	359	352	345	338	331	325		
<b>44LA16</b>	48	44	19,024	516	505	494	484	473	463	453	444	435	426	417	409	401	393	385	378		
<b>44LA17</b>	54	44	21,040	571	564	556	544	533	521	510	500	489	479	470	460	451	442	434	425		
<b>44LA18</b>	61	44	22,872	621	613	605	597	589	582	574	567	560	553	542	531	520	509	499	489		
<b>44LA19</b>	68	44	24,621	668	659	651	642	634	626	618	610	603	596	589	582	575	568	562	555		
				<b>81</b>	<b>82</b>	<b>83</b>	<b>84</b>	<b>85</b>	<b>86</b>	<b>87</b>	<b>88</b>	<b>89</b>	<b>90</b>	<b>91</b>	<b>92</b>	<b>93</b>	<b>94</b>	<b>95</b>	<b>96</b>		
<b>48LA11</b>	29	48	9,234	226	222	217	212	208	203	199	195	191	187	183	179	176	172	169	166		
<b>48LA12</b>	31	48	10,601	260	255	250	245	240	236	231	227	223	219	215	211	207	203	199	195		
<b>48LA13</b>	36	48	12,350	307	301	295	290	284	279	274	269	264	259	254	250	245	240	236	231		
<b>48LA14</b>	38	48	14,204	348	341	334	328	321	315	309	303	297	292	286	281	276	271	266	261		
<b>48LA15</b>	43	48	15,930	390	383	375	368	361	354	347	341	335	328	322	317	311	305	300	295		
<b>48LA16</b>	48	48	18,550	454	445	437	428	420	412	404	397	389	382	375	368	362	355	349	343		
<b>48LA17</b>	54	48	20,875	511	501	491	482	473	464	455	446	438	430	422	415	407	400	393	386		
<b>48LA18</b>	61	48	23,735	581	574	567	561	550	539	528	518	508	498	489	480	471	462	454	445		
<b>48LA19</b>	68	48	25,460	624	616	609	601	594	588	581	574	568	562	555	545	535	525	515	506		

Figures printed in green to be used for roof construction only.

The weight of dead loads, including weight of joists, must in all cases be deducted to determine the live load carrying capacities which must be reduced for concentrated loads. Approximate weights per linear foot of joists include accessories.

When holes are required in top or bottom chords, the above carrying capacities must be reduced in proportion to reduction of chord areas.

The top chords are considered as being stayed laterally by floor slab or roof deck.