

Beam Capacity Chart

NOTE: Capacities are the same whether mounted to Roll-Formed columns or to Structural columns.
MAXIMUM UNIFORMLY DISTRIBUTED LOAD CAPACITY (LBS. PER PAIR)

Span (in.)	IB260		IB282		IB311		IB384		IB485		IB486	
	Deflection* Spec.		Deflection* Spec.		Deflection* Spec.		Deflection* Spec.		Deflection* Spec.		Deflection* Spec.	
	CAP.	DEFL.	CAP.	DEFL.	CAP.	DEFL.	CAP.	DEFL.	CAP.	DEFL.	CAP.	DEFL.
36	6710	0.101	7230	0.098	9690	0.083	11170	0.076	12950	0.070	14590	0.065
38	6370	0.113	6860	0.109	9200	0.092	10600	0.085	12290	0.077	13840	0.072
40	6060	0.125	6530	0.121	8770	0.102	10100	0.094	11690	0.086	13170	0.080
42	5780	0.138	6230	0.133	8370	0.112	9640	0.103	11160	0.095	12560	0.088
44	5530	0.151	5960	0.146	8010	0.123	9220	0.113	10670	0.104	12000	0.096
46	5300	0.165	5710	0.159	7690	0.135	8840	0.124	10220	0.113	11500	0.105
48	5090	0.180	5480	0.173	7380	0.146	8490	0.134	9810	0.123	11040	0.115
50	4900	0.195	5270	0.188	7110	0.159	8170	0.146	9440	0.134	10610	0.124
52	4720	0.211	5080	0.203	6850	0.172	7870	0.158	9090	0.145	10220	0.135
54	4550	0.227	4900	0.219	6620	0.185	7590	0.170	8770	0.156	9850	0.145
56	4400	0.244	4730	0.235	6400	0.199	7340	0.183	8470	0.167	9520	0.156
58	4260	0.261	4580	0.252	6190	0.213	7100	0.196	8190	0.179	9200	0.167
60	4120	0.280	4430	0.270	6000	0.228	6880	0.209	7930	0.192	8910	0.179
62	4430	0.331	4760	0.319	6450	0.269	7390	0.247	8520	0.227	9560	0.211
64	4300	0.352	4620	0.399	6260	0.287	7170	0.263	8270	0.242	9280	0.225
66	4090	0.367	4490	0.361	6090	0.305	6970	0.280	8030	0.257	9010	0.239
68	3870	0.378	4310	0.387	5930	0.323	6780	0.297	7810	0.273	8750	0.254
70	3660	0.389	4070	0.389	5770	0.342	6600	0.315	7600	0.289	8520	0.269
72	3470	0.400	3860	0.400	5630	0.362	6430	0.333	7400	0.305	8290	0.284
74	3290	0.411	3660	0.411	5490	0.382	6270	0.351	7210	0.322	8080	0.300
76	3130	0.422	3480	0.422	5360	0.402	6120	0.370	7030	0.340	7880	0.317
78	2980	0.433	3320	0.433	5230	0.423	5970	0.389	6860	0.358	7690	0.333
80	2840	0.444	3160	0.444	5110	0.444	5830	0.409	6700	0.376	7510	0.350
82	2710	0.456	3020	0.456	4880	0.456	5700	0.430	6550	0.395	7330	0.368
84	2590	0.467	2880	0.467	4670	0.467	5580	0.451	6400	0.414	7170	0.386
86	2480	0.478	2760	0.478	4470	0.478	5460	0.472	6270	0.434	7010	0.404
88	2380	0.489	2640	0.489	4280	0.489	5290	0.489	6130	0.454	6860	0.423
90	2280	0.500	2530	0.500	4110	0.500	5080	0.500	6010	0.474	6720	0.442

* Deflection Spec. is the allowable distributed load per pair of beams based on maximum deflection of L/180 (1/180 of beam span).

Notes:

- Load capacities are for uniformly distributed product load plus dead load per pair of beams (dead load = weight of beams).
- Deflection in this chart is based on product load only and is limited to L/180.
- Beams longer than 90" that support decking have to be tied together to prevent spreading.
- Beams 60" long and under are designed for single pallet wide applications.
- Beams longer than 60" are designed for 2 or 3 pallet wide applications.
- Capacities have already been reduced for impact loading.
- Capacities are valid when beams are connected to Interlake frames.
- Capacities are based on the 1997 RMI and the 1996 AISI specifications.
- These capacities assume that all component parts used are (1) manufactured by Interlake, (2) in good condition, and (3) properly installed.

Beam Capacity Chart (Continued...)

NOTE: Capacities are the same whether mounted to Roll-Formed columns or to Structural columns.
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Span (in.)	IB260		IB282		IB311		IB384		IB485		IB486	
	Deflection* Spec.		Deflection* Spec.		Deflection* Spec.		Deflection* Spec.		Deflection* Spec.		Deflection* Spec.	
	CAP.	DEFL.	CAP.	DEFL.	CAP.	DEFL.	CAP.	DEFL.	CAP.	DEFL.	CAP.	DEFL.
92	2190	0.511	2430	0.511	3950	0.511	4870	0.511	5890	0.496	6580	0.462
94	2110	0.522	2340	0.522	3790	0.522	4680	0.522	5770	0.517	6450	0.482
96	2030	0.533	2250	0.533	3650	0.533	4500	0.533	5600	0.533	6330	0.502
98	1950	0.544	2160	0.544	3510	0.544	4330	0.544	5390	0.544	6200	0.523
100	1880	0.556	2080	0.556	3390	0.556	4170	0.556	5190	0.556	6090	0.545
102	1810	0.567	2010	0.567	3270	0.567	4020	0.567	5000	0.567	5980	0.566
104	1750	0.578	1940	0.578	3150	0.578	3880	0.578	4820	0.578	5770	0.578
106	1690	0.589	1870	0.589	3050	0.589	3750	0.589	4650	0.589	5560	0.589
108	1630	0.600	1810	0.600	2950	0.600	3620	0.600	4490	0.600	5370	0.600
110	1580	0.611	1750	0.611	2850	0.611	3500	0.611	4340	0.611	5190	0.611
112	1530	0.622	1690	0.622	2760	0.622	3390	0.622	4200	0.622	5020	0.622
114	1480	0.633	1640	0.633	2670	0.633	3280	0.633	4060	0.633	4850	0.633
116	1440	0.644	1590	0.644	2590	0.644	3180	0.644	3940	0.644	4700	0.644
118	1390	0.656	1540	0.656	2520	0.656	3080	0.656	3810	0.656	4550	0.656
120	1350	0.667	1490	0.667	2440	0.667	2990	0.667	3700	0.667	4410	0.667
122	1310	0.678	1450	0.678	2370	0.678	2900	0.678	3590	0.678	4280	0.678
124	1280	0.689	1410	0.689	2300	0.689	2820	0.689	3480	0.689	4150	0.689
126	1240	0.700	1370	0.700	2240	0.700	2740	0.700	3380	0.700	4030	0.700
128	1210	0.711	1330	0.711	2180	0.711	2660	0.711	3290	0.711	3910	0.711
130	1180	0.722	1290	0.722	2100	0.722	2590	0.722	3190	0.722	2800	0.722
132	1150	0.733	1260	0.733	2070	0.733	2520	0.733	3110	0.733	3700	0.733
134	1120	0.744	1230	0.744	2010	0.744	2450	0.744	3020	0.744	3600	0.744
136	1090	0.756	1200	0.756	1960	0.756	2390	0.756	2940	0.756	3500	0.756
138	1060	0.767	1170	0.767	1910	0.767	2330	0.767	2870	0.767	3410	0.767
140	1040	0.778	1140	0.778	1870	0.778	2270	0.778	2790	0.778	3320	0.778
142	1010	0.789	1110	0.789	1820	0.789	2210	0.789	2720	0.789	3230	0.789

* Deflection Spec. is the allowable distributed load per pair of beams based on maximum deflection of L/180 (1/180 of beam span).

- Notes:
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 - Deflection in this chart is based on product load only and is limited to L/180.
 - Beams longer than 90" that support decking have to be tied together to prevent spreading.
 - Beams 60" long and under are designed for single pallet wide applications.
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 - Capacities are valid when beams are connected to Interlake frames.
 - Capacities are based on the 1997 RMI and the 1996 AISI specifications.
 - These capacities assume that all component parts used are (1) manufactured by Interlake, (2) in good condition, and (3) properly installed.

Beam Capacity Chart (Continued...)

NOTE: Capacities are the same whether mounted to Roll-Formed columns or to Structural columns.
MAXIMUM UNIFORMLY DISTRIBUTED LOAD CAPACITY (LBS. PER PAIR)

Span (in.)	IB496		IB597		IB689		IB690		IB692	
	Deflection* Spec.		Deflection* Spec.		Deflection* Spec.		Deflection* Spec.		Deflection* Spec.	
	CAP.	DEFL.	CAP.	DEFL.	CAP.	DEFL.	CAP.	DEFL.	CAP.	DEFL.
36	15120	0.054	15120	0.045	15120	0.031	15120	0.024	15120	0.021
38	15120	0.063	15120	0.053	15120	0.037	15120	0.029	15120	0.024
40	15120	0.074	15120	0.062	15120	0.043	15120	0.033	15120	0.028
42	14450	0.081	15120	0.071	15120	0.049	15120	0.038	15120	0.032
44	13820	0.089	15120	0.082	15120	0.057	15120	0.044	15120	0.037
46	13240	0.097	14810	0.091	15120	0.065	15120	0.050	15120	0.043
48	12700	0.106	14210	0.099	15120	0.073	15120	0.057	15120	0.048
50	12210	0.115	13360	0.108	15120	0.083	15120	0.065	15120	0.055
52	11760	0.124	13150	0.116	15120	0.093	15120	0.073	15120	0.061
54	11350	0.134	12680	0.125	15120	0.104	15120	0.081	15120	0.069
56	10960	0.144	12240	0.135	15120	0.116	15120	0.090	15120	0.077
58	10600	0.155	11840	0.144	14850	0.126	15120	0.100	15120	0.085
60	10260	0.165	11460	0.154	14370	0.135	15120	0.111	15120	0.094
62	11010	0.195	12300	0.183	15120	0.157	15120	0.122	15120	0.104
64	10680	0.208	11930	0.195	14960	0.170	15120	0.134	15120	0.114
66	10380	0.221	11580	0.207	14520	0.181	15120	0.147	15120	0.125
68	10090	0.235	11260	0.219	14100	0.192	15120	0.161	15120	0.136
70	9810	0.249	10950	0.233	13710	0.203	15120	0.175	15120	0.149
72	9550	0.263	10660	0.246	13350	0.215	15120	0.191	15120	0.161
74	9310	0.278	10380	0.260	13000	0.227	15120	0.207	15120	0.175
76	9080	0.293	10120	0.274	12670	0.239	14810	0.218	15120	0.190
78	8860	0.308	9880	0.288	12360	0.252	14440	0.230	15120	0.205
80	8650	0.324	9640	0.303	12060	0.265	14090	0.242	15120	0.221
82	8450	0.340	9420	0.318	11780	0.278	13760	0.254	15120	0.238
84	8260	0.357	9210	0.334	11510	0.292	13440	0.266	15120	0.255
86	8080	0.374	9000	0.350	11250	0.306	13140	0.279	15120	0.274
88	7910	0.391	8810	0.366	11010	0.320	12850	0.292	15120	0.293
90	7750	0.409	8620	0.383	10770	0.335	12580	0.305	15070	0.310
92	7590	0.427	8450	0.400	10550	0.350	12320	0.319	14750	0.324
94	7440	0.446	8280	0.417	10340	0.365	12070	0.333	14450	0.338
96	7300	0.465	8120	0.435	10130	0.380	11830	0.347	14160	0.353
98	7160	0.484	7960	0.453	9930	0.396	11590	0.361	13880	0.367
100	7020	0.503	7810	0.471	9740	0.412	11370	0.376	13610	0.382
102	6900	0.524	7670	0.490	9560	0.429	11160	0.391	13360	0.398
104	6770	0.544	7530	0.509	9390	0.446	10950	0.407	13110	0.413
106	6660	0.565	7400	0.529	9220	0.463	10760	0.422	12870	0.429
108	6540	0.586	7270	0.549	9060	0.480	10570	0.438	12640	0.445

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	Deflection* Spec.		Deflection* Spec.		Deflection* Spec.		Deflection* Spec.		Deflection* Spec.	
	CAP.	DEFL.	CAP.	DEFL.	CAP.	DEFL.	CAP.	DEFL.	CAP.	DEFL.
110	6430	0.608	7150	0.569	8900	0.498	10380	0.454	12420	0.462
112	6260	0.622	7030	0.589	8750	0.516	10210	0.471	12210	0.479
114	6050	0.633	6910	0.610	8610	0.534	10040	0.486	12000	0.496
116	5860	0.644	6800	0.631	8470	0.553	9870	0.505	11810	0.513
118	5670	0.666	6690	0.653	8330	0.572	9710	0.522	11610	0.531
120	5500	0.667	6510	0.667	8200	0.591	9560	0.540	11430	0.549
122	5330	0.678	6310	0.678	8000	0.605	9320	0.552	11140	0.561
124	5170	0.689	6120	0.689	7880	0.625	9180	0.570	10970	0.580
126	5020	0.700	5940	0.700	7760	0.645	9040	0.589	10810	0.598
128	4880	0.711	5770	0.711	7640	0.665	8910	0.607	10650	0.617
130	4740	0.722	5600	0.722	7530	0.686	8780	0.626	10490	0.636
132	4610	0.733	5450	0.733	7430	0.706	8650	0.645	10340	0.656
134	4480	0.744	5290	0.744	7320	0.728	8530	0.665	10190	0.676
136	4360	0.756	5150	0.756	7220	0.749	8410	0.684	10050	0.696
138	4250	0.767	5010	0.767	7090	0.767	8300	0.704	9910	0.716
140	4140	0.778	4880	0.778	6900	0.778	8190	0.724	9780	0.736
142	4030	0.789	4750	0.789	6710	0.789	8080	0.745	9650	0.757
144	3930	0.800	4630	0.800	6540	0.800	7980	0.766	9520	0.779
146	3830	0.811	4520	0.811	6370	0.811	7870	0.787	9400	0.800
148	3740	0.822	4410	0.822	6210	0.822	7770	0.808	9280	0.822
150	3650	0.833	4300	0.833	6060	0.833	7680	0.830	9050	0.833
152	3560	0.844	4190	0.844	5910	0.844	7520	0.844	8830	0.844
154	3480	0.856	4100	0.856	5770	0.856	7340	0.856	8610	0.856
156	3400	0.867	4000	0.867	5630	0.867	7160	0.867	8400	0.867
158	3320	0.878	3910	0.878	5500	0.878	6990	0.878	8200	0.878
160	3250	0.889	3820	0.889	5370	0.889	6830	0.889	8010	0.889
162	3180	0.900	3730	0.900	5250	0.900	6670	0.900	7830	0.900
164	3110	0.911	3650	0.911	5130	0.911	6520	0.911	7650	0.911
166	3040	0.922	3570	0.922	5020	0.922	6370	0.922	7480	0.922
168	2980	0.933	3500	0.933	4910	0.933	6230	0.933	7310	0.933
170	2920	0.944	3420	0.944	4800	0.944	6100	0.944	7150	0.944
172	2860	0.956	3350	0.956	4700	0.956	5970	0.956	6990	0.956
174	2800	0.967	3280	0.967	4600	0.967	5840	0.967	6850	0.967
176	2740	0.978	3220	0.978	4510	0.978	5720	0.978	6700	0.978
178	2690	0.989	3150	0.989	4410	0.989	5600	0.989	6560	0.989
180	2640	1.000	3090	1.000	4320	1.000	5480	1.000	6430	1.000

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