

## Beam Capacity Chart (30E, 36" - 144") 3/4" Step Ledge

**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.)	30E		Span (in.)	30E	
	Capacity (lbs.)	Deflection (in.)		Capacity (lbs.)	Deflection (in.)
36	6670	0.099	110	1610	0.611
38	6340	0.110	112	1550	0.622
40	6030	0.122	114	1510	0.633
42	5750	0.134	116	1460	0.644
44	5500	0.147	118	1410	0.656
46	5280	0.161	120	1370	0.667
48	5070	0.175	122	1330	0.678
50	4870	0.190	124	1290	0.689
52	4690	0.205	126	1260	0.700
54	4530	0.221	128	1220	0.711
56	4380	0.238	130	1190	0.722
58	4230	0.255	132	1160	0.733
60	4100	0.272	134	1130	0.744
62	4400	0.322	136	1100	0.756
64	4270	0.343	138	1070	0.767
66	4150	0.365	140	1050	0.778
68	3940	0.378	142	1020	0.789
70	3730	0.389	144	1000	0.800
72	3540	0.400			
74	3360	0.411			
76	3190	0.422			
78	3040	0.433			
80	2900	0.444			
82	2770	0.456			
84	2640	0.467			
86	2530	0.478			
88	2420	0.489			
90	2320	0.500			
92	2230	0.511			
94	2140	0.522			
96	2060	0.533			
98	1980	0.544			
100	1910	0.556			
102	1840	0.567			
104	1780	0.578			
106	1720	0.589			
108	1660	0.600			

- 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 must 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 2002 RMI and the 2001 AISI specifications.
- These capacities assume that all component parts are: (1) manufactured by Interlake, (2) in good condition, (3) properly installed.



## Beam Capacity Chart (25E - 45E / 36" - 108")

**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.)	25E		32E		36E		40E		45E	
	Capacity (lbs.)	Deflection (in.)	Capacity (lbs.)	Deflection (in.)	Capacity (lbs.)	Deflection (in.)	Capacity (lbs.)	Deflection (in.)	Capacity (lbs.)	Deflection (in.)
36	5750	0.106	8620	0.084	10210	0.076	11650	0.070	13930	0.063
38	5460	0.118	8200	0.094	9690	0.085	11060	0.078	13210	0.070
40	5200	0.131	7810	0.104	9230	0.094	10530	0.087	12570	0.078
42	4960	0.144	7460	0.114	8810	0.103	10050	0.095	11990	0.086
44	4750	0.158	7140	0.125	8430	0.113	9610	0.105	11460	0.094
46	4550	0.172	6850	0.137	8080	0.124	9210	0.114	10980	0.103
48	4370	0.187	6590	0.149	7770	0.135	8840	0.124	10540	0.112
50	4210	0.203	6340	0.161	7470	0.146	8510	0.135	10130	0.121
52	4060	0.220	6120	0.174	7200	0.158	8190	0.146	9760	0.131
54	3910	0.237	5910	0.188	6950	0.170	7910	0.157	9410	0.142
56	3780	0.254	5720	0.202	6720	0.183	7640	0.169	9090	0.152
58	3660	0.273	5540	0.216	6500	0.196	7390	0.181	8790	0.163
60	3550	0.292	5370	0.231	6300	0.210	7160	0.194	8510	0.175
62	3810	0.344	5770	0.274	6770	0.248	7690	0.229	9130	0.206
64	3580	0.356	5600	0.291	6570	0.264	7460	0.244	8860	0.220
66	3380	0.367	5450	0.309	6390	0.280	7250	0.259	8600	0.234
68	3200	0.378	5300	0.328	6210	0.297	7050	0.275	8360	0.248
70	3030	0.389	5170	0.348	6050	0.315	6860	0.291	8140	0.263
72	2870	0.400	5040	0.367	5890	0.333	6680	0.308	7920	0.278
74	2730	0.411	4920	0.388	5750	0.351	6510	0.325	7720	0.293
76	2590	0.422	4800	0.409	5610	0.370	6350	0.343	7530	0.309
78	2470	0.433	4690	0.430	5480	0.390	6200	0.361	7340	0.325
80	2360	0.444	4510	0.444	5350	0.410	6060	0.379	7170	0.342
82	2250	0.456	4310	0.456	5230	0.430	5920	0.398	7010	0.359
84	2150	0.467	4120	0.467	5120	0.451	5790	0.417	6850	0.377
86	2060	0.478	3950	0.478	5010	0.473	5670	0.437	6700	0.395
88	1980	0.489	3790	0.489	4850	0.489	5550	0.458	6560	0.413
90	1900	0.500	3630	0.500	4660	0.500	5430	0.478	6420	0.432
92	1820	0.511	3490	0.511	4470	0.511	5330	0.499	6290	0.451
94	1750	0.522	3360	0.522	4300	0.522	5220	0.521	6160	0.471
96	1690	0.533	3230	0.533	4130	0.533	5030	0.533	6040	0.490
98	1620	0.544	3110	0.544	3980	0.544	4840	0.544	5930	0.511
100	1570	0.556	3000	0.556	3830	0.556	4660	0.556	5820	0.532
102	1510	0.567	2900	0.567	3690	0.567	4490	0.567	5710	0.553
104	1460	0.578	2800	0.578	3570	0.578	4330	0.578	5610	0.574
106	1410	0.589	2700	0.589	3440	0.589	4180	0.589	5440	0.589
108	1360	0.600	2620	0.600	3330	0.600	4040	0.600	5260	0.600

- 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 must 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 2002 RMI and the 2001 AISI specifications.
- These capacities assume that all component parts are: (1) manufactured by Interlake, (2) in good condition, (3) properly installed.

## Beam Capacity Chart (25E - 45E / 110" - 144")

**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.)	25E		32E		36E		40E		45E	
	Capacity (lbs.)	Deflection (in.)	Capacity (lbs.)	Deflection (in.)	Capacity (lbs.)	Deflection (in.)	Capacity (lbs.)	Deflection (in.)	Capacity (lbs.)	Deflection (in.)
110	1320	0.611	2530	0.611	3220	0.611	3910	0.611	5080	0.611
112	1280	0.622	2450	0.622	3110	0.622	3780	0.622	4910	0.622
114	1240	0.633	2380	0.633	3020	0.633	3660	0.633	4750	0.633
116	1200	0.644	2300	0.644	2920	0.644	3540	0.644	4600	0.644
118	1170	0.656	2240	0.656	2830	0.656	3430	0.656	4450	0.656
120	1130	0.667	2170	0.667	2750	0.667	3330	0.667	4320	0.667
122	1100	0.678	2110	0.678	2670	0.678	3230	0.678	4180	0.678
124	1070	0.689	2050	0.689	2590	0.689	3130	0.689	4060	0.689
126	1040	0.700	1990	0.700	2520	0.700	3040	0.700	3940	0.700
128	1010	0.711	1940	0.711	2450	0.711	2960	0.711	3830	0.711
130	990	0.722	1890	0.722	2380	0.722	2880	0.722	3720	0.722
132	960	0.733	1840	0.733	2320	0.733	2800	0.733	3620	0.733
134	940	0.744	1790	0.744	2260	0.744	2720	0.744	3520	0.744
136	910	0.756	1750	0.756	2200	0.756	2650	0.756	3420	0.756
138	890	0.767	1700	0.767	2140	0.767	2580	0.767	3330	0.767
140	870	0.778	1660	0.778	2090	0.778	2520	0.778	3250	0.778
142	850	0.789	1620	0.789	2040	0.789	2460	0.789	3160	0.789
144	830	0.800	1590	0.800	1990	0.800	2400	0.800	3080	0.800

- Load capacities are for uniformly distributed product load plus dead load per pair of beams (dead load = weight of beams).
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- Beams longer than 90" that support decking must 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 2002 RMI and the 2001 AISI specifications.
- These capacities assume that all component parts are: (1) manufactured by Interlake, (2) in good condition, (3) properly installed.

## Beam Capacity Chart (47E - 65Q / 36" - 108")

**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.)	47E		50E		55E		59E		65E		65Q	
	Capacity (lbs.)	Deflection (in.)	Capacity (lbs.)	Deflection (in.)	Capacity (lbs.)	Deflection (in.)	Capacity (lbs.)	Deflection (in.)	Capacity (lbs.)	Deflection (in.)	Capacity (lbs.)	Deflection (in.)
36	15120	0.059	15120	0.053	15120	0.041	15120	0.034	15120	0.027	15120	0.020
38	14500	0.067	15120	0.062	15120	0.049	15120	0.040	15120	0.031	15120	0.024
40	13800	0.074	14880	0.071	15120	0.057	15120	0.047	15120	0.037	15120	0.028
42	13170	0.081	14190	0.078	15120	0.066	15120	0.054	15120	0.042	15120	0.032
44	12590	0.089	13570	0.085	15120	0.075	15120	0.062	15120	0.049	15120	0.037
46	12060	0.098	13000	0.093	15070	0.085	15120	0.071	15120	0.056	15120	0.043
48	11580	0.106	12470	0.102	14470	0.093	15120	0.081	15120	0.063	15120	0.048
50	11140	0.115	11990	0.110	13900	0.101	15120	0.091	15120	0.071	15120	0.055
52	10730	0.125	11550	0.119	13390	0.109	15020	0.102	15120	0.080	15120	0.061
54	10350	0.134	11140	0.128	12910	0.117	14480	0.110	15120	0.089	15120	0.069
56	9990	0.144	10760	0.138	12460	0.126	13980	0.118	15120	0.100	15120	0.076
58	9670	0.155	10400	0.148	12050	0.135	13510	0.126	15120	0.111	15120	0.085
60	9360	0.166	10070	0.158	11660	0.145	13080	0.135	15120	0.122	15120	0.094
62	10050	0.196	10810	0.187	12520	0.171	14030	0.160	15120	0.135	15120	0.104
64	9750	0.208	10490	0.199	12140	0.182	13610	0.170	15120	0.148	15120	0.114
66	9470	0.222	10180	0.212	11790	0.194	13210	0.181	15120	0.162	15120	0.125
68	9210	0.235	9900	0.225	11460	0.206	12840	0.192	14990	0.175	15120	0.136
70	8960	0.249	9630	0.238	11150	0.218	12480	0.203	14580	0.186	15120	0.148
72	8720	0.263	9380	0.252	10850	0.231	12150	0.215	14190	0.196	15120	0.161
74	8500	0.278	9140	0.266	10570	0.243	11830	0.227	13820	0.207	15120	0.175
76	8290	0.293	8910	0.280	10310	0.257	11540	0.240	13470	0.219	15120	0.190
78	8090	0.309	8690	0.295	10050	0.270	11250	0.252	13140	0.230	15120	0.205
80	7900	0.324	8490	0.310	9820	0.284	10980	0.265	12820	0.242	15120	0.221
82	7720	0.341	8290	0.326	9590	0.298	10730	0.279	12520	0.254	15120	0.237
84	7550	0.357	8110	0.342	9370	0.313	10480	0.292	12230	0.267	15120	0.255
86	7390	0.374	7930	0.358	9170	0.328	10250	0.306	11960	0.279	15120	0.273
88	7230	0.392	7760	0.374	8970	0.343	10030	0.320	11700	0.292	15120	0.293
90	7080	0.409	7600	0.391	8780	0.359	9820	0.335	11450	0.306	15120	0.313
92	6940	0.428	7450	0.409	8600	0.375	9610	0.350	11210	0.319	14950	0.328
94	6800	0.446	7300	0.427	8430	0.391	9420	0.365	10980	0.333	14640	0.343
96	6670	0.465	7160	0.445	8260	0.408	9230	0.381	10770	0.347	14350	0.357
98	6550	0.484	7020	0.463	8110	0.425	9050	0.397	10560	0.362	14070	0.372
100	6430	0.504	6890	0.482	7950	0.442	8880	0.413	10350	0.377	13790	0.387
102	6310	0.524	6760	0.501	7810	0.460	8720	0.429	10160	0.392	13530	0.403
104	6200	0.544	6640	0.521	7670	0.477	8560	0.446	9980	0.407	13280	0.419
106	6090	0.565	6530	0.541	7530	0.496	8410	0.463	9800	0.423	13040	0.435
108	5990	0.586	6420	0.561	7400	0.514	8260	0.481	9620	0.439	12810	0.451

- 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 must 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 2002 RMI and the 2001 AISI specifications.
- These capacities assume that all component parts are: (1) manufactured by Interlake, (2) in good condition, (3) properly installed.

## Beam Capacity Chart (47E - 65Q / 110" - 180")

**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.)	47E		50E		55E		59E		65E		65Q	
	Capacity (lbs.)	Deflection (in.)	Capacity (lbs.)	Deflection (in.)	Capacity (lbs.)	Deflection (in.)	Capacity (lbs.)	Deflection (in.)	Capacity (lbs.)	Deflection (in.)	Capacity (lbs.)	Deflection (in.)
110	5890	0.608	6310	0.582	7280	0.533	8120	0.498	9460	0.455	12590	0.468
112	5720	0.622	6200	0.603	7160	0.553	7980	0.516	9300	0.471	12370	0.485
114	5540	0.633	6100	0.624	7040	0.572	7850	0.535	9140	0.488	12170	0.502
116	5360	0.644	6000	0.644	6930	0.592	7720	0.554	9000	0.505	11960	0.520
118	5190	0.656	5810	0.656	6820	0.613	7600	0.573	8850	0.523	11770	0.538
120	5030	0.667	5630	0.667	6710	0.633	7480	0.592	8710	0.540	11580	0.556
122	4880	0.678	5460	0.678	6550	0.648	7300	0.606	8500	0.553	11290	0.569
124	4740	0.689	5290	0.689	6450	0.669	7190	0.625	8370	0.571	11120	0.587
126	4600	0.700	5140	0.700	6350	0.690	7080	0.645	8240	0.589	10950	0.606
128	4470	0.711	4990	0.711	6260	0.711	6980	0.666	8120	0.608	10790	0.625
130	4340	0.722	4850	0.722	6080	0.722	6880	0.686	8000	0.627	10630	0.645
132	4220	0.733	4710	0.733	5910	0.733	6780	0.707	7890	0.646	10480	0.664
134	4110	0.744	4580	0.744	5740	0.744	6680	0.728	7780	0.665	10330	0.684
136	4000	0.756	4460	0.756	5590	0.756	6590	0.750	7670	0.685	10180	0.705
138	3890	0.767	4340	0.767	5440	0.767	6460	0.767	7570	0.705	10040	0.725
140	3790	0.778	4230	0.778	5290	0.778	6290	0.778	7470	0.725	9910	0.746
142	3690	0.789	4120	0.789	5150	0.789	6120	0.789	7370	0.746	9780	0.767
144	3600	0.800	4020	0.800	5020	0.800	5970	0.800	7270	0.766	9650	0.789
146	3510	0.811	3920	0.811	4900	0.811	5810	0.811	7180	0.788	9520	0.811
148	3430	0.822	3820	0.822	4780	0.822	5670	0.822	7090	0.809	9290	0.822
150	3340	0.833	3730	0.833	4660	0.833	5530	0.833	7000	0.830	9050	0.833
152	3270	0.844	3640	0.844	4550	0.844	5390	0.844	6850	0.844	8830	0.844
154	3190	0.856	3550	0.856	4440	0.856	5260	0.856	6690	0.856	8610	0.856
156	3120	0.867	3470	0.867	4330	0.867	5140	0.867	6530	0.867	8410	0.867
158	3050	0.878	3390	0.878	4230	0.878	5020	0.878	6370	0.878	8210	0.878
160	2980	0.889	3320	0.889	4140	0.889	4900	0.889	6230	0.889	8010	0.889
162	2910	0.900	3240	0.900	4050	0.900	4790	0.900	6080	0.900	7830	0.900
164	2850	0.911	3170	0.911	3960	0.911	4690	0.911	5950	0.911	7650	0.911
166	2790	0.922	3100	0.922	3870	0.922	4580	0.922	5810	0.922	7480	0.922
168	2730	0.933	3040	0.933	3790	0.933	4480	0.933	5690	0.933	7310	0.933
170	2680	0.944	2980	0.944	3710	0.944	4390	0.944	5560	0.944	7150	0.944
172	2620	0.956	2910	0.956	3630	0.956	4290	0.956	5440	0.956	7000	0.956
174	2570	0.967	2850	0.967	3550	0.967	4200	0.967	5330	0.967	6850	0.967
176	2520	0.978	2800	0.978	3480	0.978	4120	0.978	5220	0.978	6700	0.978
178	2470	0.989	2740	0.989	3410	0.989	4030	0.989	5110	0.989	6560	0.989
180	2,420	1.000	2690	1.000	3340	1.000	3950	1.000	5000	1.000	6430	1.000

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- Deflection in this chart is based on product load only and is limited to L/180.
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- Beams 60" long and under are designed for single pallet wide applications.
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- Capacities have already been reduced for impact loading.
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