



Datum's shelf capacities are based on meeting ANSI MH 28.1 (American National Standard) requirements and are tested to not exceed L/140 deflection. "L" = distance between uprights. The capacities list applies to standard and library-style shelves.

Overall Shelving Upright Capacities:

- Open Upright: 2600 lbs.
- Closed Upright: 3600 lbs.
- Library Upright: 4000 lbs.
- Upright capacities based on mobile shelving loads on a maximum upright height of 97¼

Shelf Size	W x D	22-gauge shelf with 14-gauge shelf supports, 3/4" profile (Standard Duty)					18-gauge shelf with 14-gauge shelf supports, 3/4" profile (Heavy Duty)					18-gauge shelf with 11-gauge shelf supports, 1-1/4" profile (Heavy Duty Plus)				
		Shelf Capacity (lbs.)					Shelf Capacity (lbs.)					Shelf Capacity (lbs.)				
		# of Reinforcements					# of Reinforcements					# of Reinforcements				
		0	1	2	3	4	0	1	2	3	4	0	1	2	3	4
24" x 9"	24" x 9"	320	480	480	480	480	500	540	595	595	595	500	695	1005	1005	1005
24" x 10"	24" x 10"	320	480	480	480	480	470	510	595	595	595	470	660	1005	1005	1005
24" x 12"	24" x 12"	285	410	480	480	480	435	480	595	595	595	435	625	1005	1005	1005
24" x 13"	24" x 13"	255	380	480	480	480	405	450	595	595	595	405	590	1005	1005	1005
24" x 15"	24" x 15"	210	320	480	480	480	370	420	595	595	595	370	555	970	1005	1005
24" x 16"	24" x 16"	195	310	480	480	480	310	390	565	595	595	310	520	910	1005	1005
24" x 18"	24" x 18"	165	275	430	480	480	265	350	500	595	595	265	465	810	1005	1005
24" x 20"	24" x 20"	140	245	385	480	480	225	315	450	595	595	225	490	725	1005	1005
24" x 22"	24" x 22"	115	215	335	445	480	190	270	390	390	595	190	415	665	935	1005
24" x 24"	24" x 24"	105	205	320	438	480	174	260	375	375	595	170	345	605	865	1005
24" x 26"	24" x 26"	95	190	295	405	480	150	240	345	345	560	150	320	560	795	1005
24" x 30"	24" x 30"	75	160	255	350	440	120	210	300	300	584	120	275	485	690	895
24" x 32"	24" x 32"	65	155	240	325	415	110	195	280	280	455	110	260	455	645	840
24" x 36"	24" x 36"	60	140	225	305	385	90	175	250	250	395	90	230	405	575	745

Continued next page
Page 1 of 3



4Post™ Shelf Weight Capacity (continued)

Shelf Size	W x D	22-Gauge Shelf with 14-Gauge shelf supports, 3/4" profile (Standard Duty)					18-Gauge Shelf with 14-Gauge shelf supports, 3/4" profile (Heavy Duty)					18-Gauge Shelf with 11-Gauge shelf supports, 1-1/4" profile (Heavy Duty Plus)				
		Shelf Capacity (lbs.)					Shelf Capacity (lbs.)					Shelf Capacity (lbs.)				
		# of Reinforcements					# of Reinforcements					# of Reinforcements				
		0	1	2	3	4	0	1	2	3	4	0	1	2	3	4
30" x 9"	30" x 9"	310	385	385	385	385	495	475	475	475	475	495	695	1005	1005	1005
30" x 10"	30" x 10"	290	385	385	385	385	465	475	475	475	475	465	660	1005	1005	1005
30" x 12"	30" x 12"	270	370	385	385	385	435	470	475	475	475	435	625	1005	1005	1005
30" x 13"	30" x 13"	250	350	385	385	385	400	445	475	475	475	400	590	1005	1005	1005
30" x 15"	30" x 15"	230	330	385	385	385	370	420	475	475	475	370	555	970	1005	1005
30" x 16"	30" x 16"	210	310	385	385	385	340	390	475	475	475	340	520	910	1005	1005
30" x 18"	30" x 18"	180	275	385	385	385	290	350	475	475	475	290	505	810	1005	1005
30" x 20"	30" x 20"	155	245	385	385	385	250	315	450	475	475	250	490	725	1005	1005
30" x 22"	30" x 22"	130	215	335	385	385	220	285	410	475	475	220	415	665	930	1005
30" x 24"	30" x 24"	120	205	320	385	385	190	260	375	475	475	190	345	605	865	1005
30" x 26"	30" x 26"	105	190	295	385	385	170	240	345	455	475	170	320	560	795	1005
30" x 30"	30" x 30"	85	165	255	350	385	135	210	300	395	475	135	275	485	690	895
30" x 32"	30" x 32"	75	155	240	325	385	125	195	280	370	475	125	260	455	645	840
30" x 36"	30" x 36"	70	145	255	310	385	105	175	250	325	405	105	230	405	575	745

Shelf Size	W x D	22-Gauge Shelf with 14-Gauge shelf supports, 3/4" profile (Standard Duty)					18 Gauge Shelf with 14 Gauge shelf supports, 3/4" profile (Heavy Duty)					18 Gauge Shelf with 11 Gauge shelf supports, 1-1/4" profile (Heavy Duty Plus)				
		Shelf Capacity (lbs.)					Shelf Capacity (lbs.)					Shelf Capacity (lbs.)				
		# of Reinforcements					# of Reinforcements					# of Reinforcements				
		0	1	2	3	4	0	1	2	3	4	0	1	2	3	4
36" x 9"	36" x 9"	320	320	320	320	320	395	395	395	395	395	565	740	835	835	835
36" x 10"	36" x 10"	320	320	320	320	320	395	395	395	395	395	530	706	835	835	835
36" x 12"	36" x 12"	320	320	320	320	320	395	395	395	395	395	495	665	835	835	835
36" x 13"	36" x 13"	290	320	320	320	320	395	395	395	395	395	460	630	835	835	835
36" x 15"	36" x 15"	240	320	320	320	320	390	395	395	395	395	425	595	835	835	835
36" x 16"	36" x 16"	220	310	320	320	320	360	390	395	395	395	360	520	835	835	835
36" x 18"	36" x 18"	190	275	320	320	320	305	350	395	395	395	305	465	810	835	835
36" x 20"	36" x 20"	165	245	320	320	320	270	315	395	395	395	265	415	725	835	835
36" x 22"	36" x 22"	140	215	320	320	320	225	270	385	395	395	225	360	630	835	835
36" x 24"	36" x 24"	130	205	320	320	320	205	260	375	395	395	205	345	605	835	835
36" x 26"	36" x 26"	115	190	295	320	320	185	240	345	395	395	185	320	560	795	835
36" x 30"	36" x 30"	90	165	255	320	320	150	210	300	395	395	150	275	485	690	835
36" x 32"	36" x 32"	85	155	240	320	320	135	195	280	370	395	135	262	455	645	835
36" x 36"	36" x 36"	75	140	225	320	320	115	175	250	325	395	115	230	405	575	835

Concluded next page
Page 2 of 3



4Post™ Shelf Weight Capacity (continued)

Shelf Size	W x D	22-Gauge Shelf with 11-Gauge shelf supports, 3/4" profile (Standard Duty)					18-Gauge Shelf with 11-Gauge shelf supports, 3/4" profile (Heavy Duty)					18-Gauge Shelf with 11-Gauge shelf supports, 1-1/4" profile (Heavy Duty Plus)				
		Shelf Capacity (lbs.)					Shelf Capacity (lbs.)					Shelf Capacity (lbs.)				
		# of Reinforcements					# of Reinforcements					# of Reinforcements				
		0	1	2	3	4	0	1	2	3	4	0	1	2	3	4
42" x 9"	42" x 9"	380	380	380	380	380	440	440	440	440	440	550	695	752	752	752
42" x 10"	42" x 10"	365	380	380	380	380	440	440	440	440	440	515	660	752	752	752
42" x 12"	42" x 12"	330	380	380	380	380	440	440	440	440	440	480	625	752	752	752
42" x 13"	42" x 13"	305	380	380	380	380	440	440	440	440	440	445	590	752	752	752
42" x 15"	42" x 15"	255	330	380	380	380	410	420	440	440	440	410	555	752	752	752
42" x 16"	42" x 16"	235	310	380	380	380	375	390	440	440	440	375	520	752	752	752
42" x 18"	42" x 18"	200	275	380	380	380	320	350	440	440	440	320	465	752	752	752
42" x 20"	42" x 20"	175	245	380	380	380	280	315	440	440	440	280	415	729	752	752
42" x 22"	42" x 22"	145	215	330	380	380	235	270	395	440	440	235	360	634	752	752
42" x 24"	42" x 24"	135	205	320	380	380	220	260	375	440	440	220	345	605	752	752
42" x 26"	42" x 26"	120	190	295	380	380	195	240	345	440	440	195	320	560	752	752
42" x 30"	42" x 30"	100	165	255	350	380	160	210	300	395	440	160	275	485	690	752
42" x 32"	42" x 32"	90	155	240	325	380	145	195	280	370	440	145	260	455	645	752
42" x 36"	42" x 36"	80	140	225	305	380	125	175	250	325	405	125	230	405	575	745

Shelf Size	W x D	22-Gauge Shelf with 11-Gauge shelf supports, 3/4" profile (Standard Duty)					18-Gauge Shelf with 11-Gauge shelf supports, 3/4" profile (Heavy Duty)					18-Gauge Shelf with 11-Gauge shelf supports, 1-1/4" profile (Heavy Duty Plus)				
		Shelf Capacity (lbs.)					Shelf Capacity (lbs.)					Shelf Capacity (lbs.)				
		# of Reinforcements					# of Reinforcements					# of Reinforcements				
		0	1	2	3	4	0	1	2	3	4	0	1	2	3	4
48" x 9"	48" x 9"	335	335	335	335	335	385	385	385	385	385	540	690	690	690	690
48" x 10"	48" x 10"	335	335	335	335	335	385	385	385	385	385	510	660	690	690	690
48" x 12"	48" x 12"	335	335	335	335	335	385	385	385	385	385	480	625	690	690	690
48" x 13"	48" x 13"	310	335	335	335	335	385	385	385	385	385	450	590	690	690	690
48" x 15"	48" x 15"	260	330	335	335	335	385	385	385	385	385	420	555	690	690	690
48" x 16"	48" x 16"	240	310	335	335	335	385	385	385	385	385	390	520	690	690	690
48" x 18"	48" x 18"	210	275	335	335	335	335	350	385	385	385	335	465	690	690	690
48" x 20"	48" x 20"	180	245	335	335	335	215	315	385	385	385	290	415	690	690	690
48" x 22"	48" x 22"	155	215	325	335	335	305	285	380	385	385	245	360	615	690	690
48" x 24"	48" x 24"	140	205	320	335	335	230	260	375	385	385	230	345	605	690	690
48" x 26"	48" x 26"	125	190	295	335	335	205	240	345	385	385	205	320	560	690	690
48" x 30"	48" x 30"	105	165	255	335	335	170	210	300	385	385	170	275	485	690	690
48" x 32"	48" x 32"	95	155	240	325	335	155	195	280	370	385	155	260	455	645	690
48" x 36"	48" x 36"	85	140	225	320	335	130	175	250	325	385	130	230	405	575	690

