

How to Read Cantilever Charts

Simple steps to read the Allowable Single & Double Cantilever charts on the following pages:

Step 1: Select the total length of platform you want.

Step 2: Go to the column for the load rating you want.

Step 3: Find the minimum and maximum cantilever at that platform length and load combination.

Step 4: If length doesn't meet project needs, go to a different platform length at the same load rating or a different load rating to find a combination that will work.

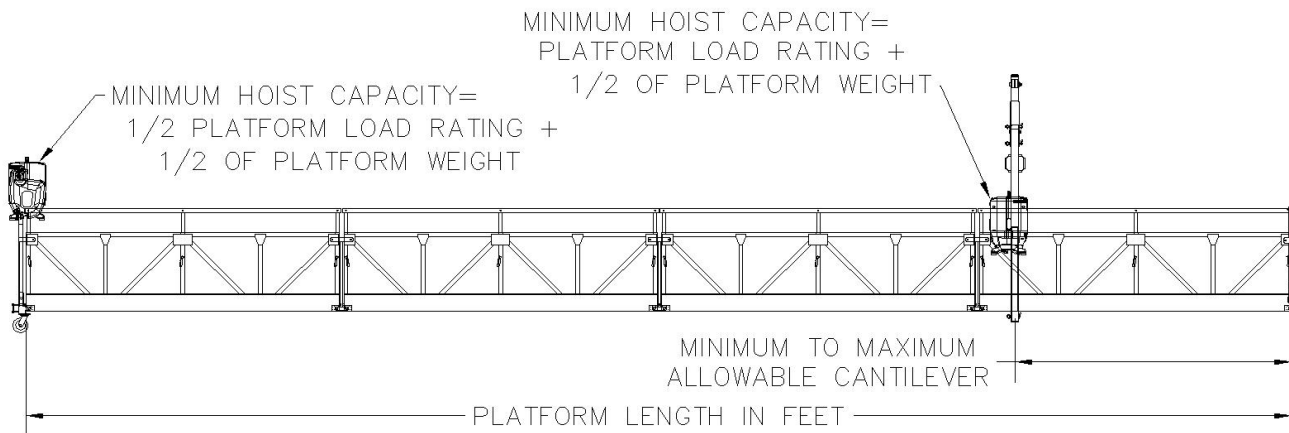
PLATFORM LENGTH		500 lbs. (226.8 kg) / 2 PERSONNEL				#2 750 lbs. (340.2 kg) / 3 PERSONNEL				1000 lbs. (453.6 kg) / 4 PERSONNEL				PLATFORM WEIGHT	
ft	m	MIN		MAX		MIN		MAX		MIN		MAX		lbs	kg
		ft	m	ft	m	ft	m	ft	m	ft	m				
20	6.1	0	0	4	1.2	0	0	3	0.9	0	0	3	0.9	740	335.7
21	6.4	0	0	5	1.5	0	0	4	1.2	0	0	3	0.9	793	359.7
22	6.7	0	0	5	1.5	0	0	4	1.2	0	0	3	0.9	842	381.9
23	7	0	0	5	1.5	0	0	4	1.2	0	0	3	0.9	785	356.1
24	7.3	0	0	6	1.8	0	0	4	1.2	0	0	4	1.2	862	391
25	7.6	0	0	6	1.8	0	0	4	1.2	0	0	4	1.2	805	365.1
26	7.9	0	0	6	1.8	0	0	5	1.5	0	0	4	1.2	854	387.4
27	8.2	0	0	7	2.1	0	0	5	1.5	0	0	4	1.2	931	422.3
28	8.5	0	0	7	2.1	0	0	5	1.5	0	0	4	1.2	874	396.4
29	8.8	0	0	7	2.1	0	0	6	1.8	0	0	5	1.5	923	418.7
30	9.1	0	0	7	2.1	0	0	6	1.8	0	0	5	1.5	866	392.8
31	9.5	0	0	8	2.4	0	0	6	1.8	0	0	5	1.5	943	427.7
32	9.8	0	0	8	2.4	0	0	6	1.8	0	0	5	1.5	992	450
#1 33	10.1	0	0	8	2.4	0	0	#3 6	1.8	0	0	5	1.5	935	424.1
34	10.4	0	0	9	2.7	0	0	7	2.1	0	0	5	1.5	1012	459
35	10.7	0	0	9	2.7	0	0	7	2.1	0	0	5	1.5	955	433.2

- Platform weight is based on maximum use of 10 ft (3 m) sections and SC1000 hoists and walk-thru or low profile stirrups. If your platform configuration varies from this, contact Spider Product Support to verify if your hoist rated capacity will be adequate at the different platform weight.
- Calculate the actual platform weight by adding up all parts needed.
- Rated load can be placed at any point on the platform.
- Minimum hoist capacity must be greater than the platform rated load plus one-half the platform weight. Platforms with rated loads of 750 lb (340.2 kg) or more require use of 1,500 lb. (680.4 kg) capacity hoists. These are shown in the grey shaded area on the charts.
- If hoist capacity does not exceed this calculation, contact Spider Product Support. In many cases, Spider can approve the platform load rating by limiting where the rated load can be placed. These configurations are in the pink shaded area on the charts.
- On longer platforms, the competent person should take into account the possibility of a pendulum effect (swing fall hazard). This hazard should be evaluated and mitigated as part of a properly developed Jobsite Safety Analysis (JSA).
- The Allowable Cantilever Load and Length Configuration charts on the following pages are for use with Spider walk-thru stirrups, low overhead and low profile stirrups as well as cross beam stirrup assemblies.

- Using the Cross Beam Assembly (93-001) or Stirrup Assembly (9-3) in cantilevered applications can cause abrasion on modular platform toeboards or other components. Protect the platform by attaching 60.591 rope guiding spring with part 6685 to the 2-731 or 700958-1 stirrup.
- There are additional considerations for using the Cross Beam Assembly on cantilevered platforms:
 - Extend handrails to their highest height to ensure appropriate guardrail protection at all times.
 - Never stand on the stirrup, cross beam assembly, toeboard or midrail in order to pass by the hoist.
 - Plan fall arrest equipment selection to ensure 100% tie-off when moving around the hoist.
 - It is best to avoid pulling the lifeline past the suspension wire rope to avoid entanglements.

The content contained in this catalog is for informational purposes only. For actual specifications, illustrations and information, consult the Operators Manual, product labels, or a Spider professional.

Single Cantilever Configuration



Double Cantilever Configuration

