

How to Read an Outrigger Counterweight Chart or Fulcrum Point Load Chart

Counterweight Charts:

- Find the outreach distance you need ('Reach') in the top row of the chart.
- Find the rated load you need ('Hoist Rated Load') at the left of the chart.
- The box at which this row and column meet indicates the number of 50 lb. counterweights that are required.

Example:

If you need a 72" reach and 1250 lb. rated load, 34 50 lb. counterweights are required.

	Reach (in.)		
	84"	78"	72"
1000	33	31	27
1250	Not Allowed	Not Allowed	34
1500	Not Allowed	Not Allowed	Not Allowed

Fulcrum Point Load Charts:

- Find the outreach distance you need ('Reach') in the top row of the chart.
- Find the rated load you need ('Hoist Rated Load') at the left of the chart.
- The box at which this row and column meet indicates the point load in number of pounds that will be placed on the rooftop at the fulcrum with this configuration, assuming a 4 to 1 required safety standard.

Example:

If you need a 72" reach and 1250 lb. rated load, the point load on the roof will be 6,700 lb at the fulcrum.

	Reach (in.)		
	84"	78"	72"
1000	5650	5550	5450
1250	Not Allowed	Not Allowed	6700
1500	Not Allowed	Not Allowed	Not Allowed