



Ballasted Mounting Hardware

Project:

Engineer:

Contractor:

Submitted By:

Approved By:

Date:

Date:

Small Collectors

Collector tilt angle, degrees

15°		30°		45°		60°	
lbs	blocks	lbs	blocks	lbs	blocks	lbs	blocks
0	0	0	0	0	0	0	0
29	2	56	3	79	4	96	4
67	3	129	6	182	8	223	9
112	5	215	9	304	13	373	15

Medium Collectors

Collector tilt angle, degrees

15°		30°		45°		60°	
lbs	blocks	lbs	blocks	lbs	blocks	lbs	blocks
0	0	0	0	0	0	0	0
34	2	66	3	94	4	115	5
80	4	154	7	217	9	266	11
133	6	257	11	363	15	445	18

Large Collectors

Collector tilt angle, degrees

15°		30°		45°		60°	
lbs	blocks	lbs	blocks	lbs	blocks	lbs	blocks
0	0	0	0	0	0	0	0
43	2	83	4	117	5	144	6
99	4	192	8	271	11	333	14
166	7	321	13	454	19	556	23

Design

Wind

Speed

70 mph

90 mph

110 mph

130 mph

Design

Wind

Speed

70 mph

90 mph

110 mph

130 mph

Design

Wind

Speed

70 mph

90 mph

110 mph

130 mph

Notes:

- These numbers are for reference only. Please consult a P.E for actual ballast requirements based on wind zone and building profile.
- Consult a structural engineer for building load capacity.
- These estimates are based on 25 lbs per ballast block and 3.5 #/sq ft of collector area.
- Check with a roofer for slip sheet requirements to protect the roofing material.