

**UNIPRO**

**SECTION G**

**DEBRIS CHUTE**

# DEBRIS CHUTE



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## OVERVIEW OF THE SUPERCHUTE® SYSTEM

In a complete Superchute® system, a CHUTE HOIST is used to raise, support and lower a series of linked CHUTE SECTIONS.

CHUTE HOISTS are made of galvanized steel, while CHUTE SECTIONS are made of durable polyethylene plastic. CHUTE SECTIONS can be reinforced with STEEL LINERS where needed.

## THE CHUTE HOIST

- Many different designs available
- We've got one for your job.
- Use to raise, support & lower the chute.

## THE TOP HOPPER

- The Uppemost section
- Entry point for debris
- 1 needed per system
- Always heavy duty

## DOOR SECTIONS

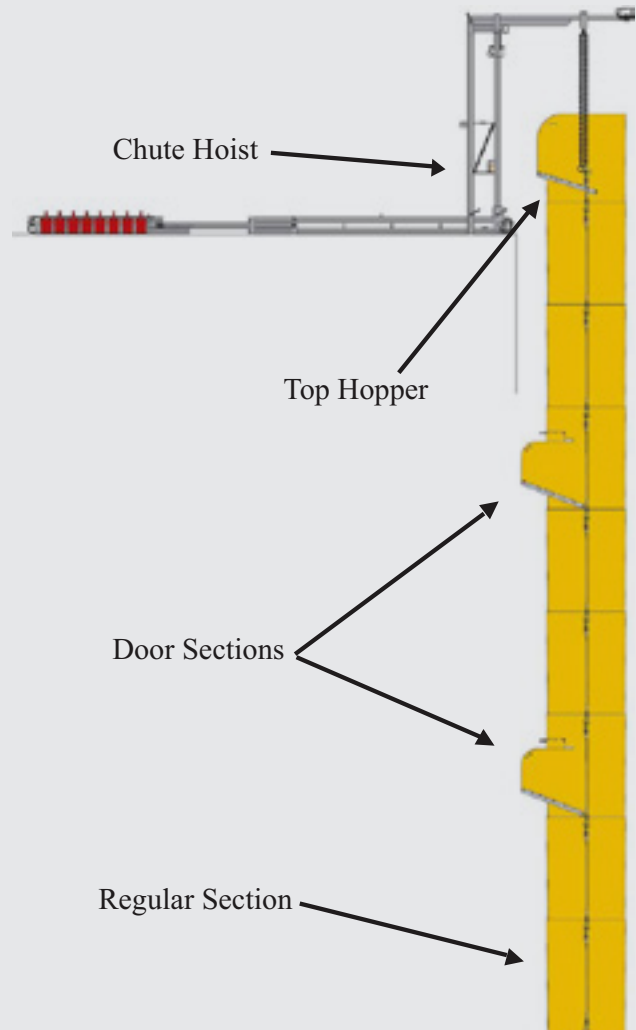
- Multi-level entry point for debris
- Can have many in a system
- Always heavy duty

## REGULAR SECTIONS

- The chute consists mostly of these sections.

## ALL SECTIONS ARE:

- 4 fool high conical tubes
- Available in 6 diameters: 18", 23", 27", 30", 33", 36"
- Outstandingly resistant to abrasion, chemicals & cold
- Lightweight, safe, flexible and quiet during use
- Made of our bright yellow, UV- protected plastic
- Printed with a warning notice



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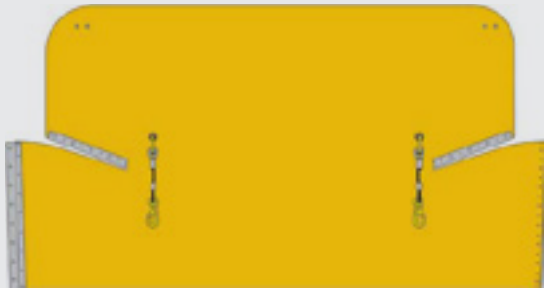
## SUPERCHUTE® SECTIONS

### WRAPAROUND® SECTIONS

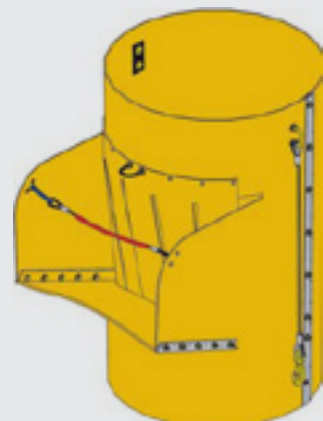
- Top Hopper, Regular and Door sections are also available as Wraparound® Sections (lay-flat design).
- Wraparound® Sections are available in these diameters: 23" - 27" - 30" - 33" - 36"

#### Flat: Ready for Transport / Storage

#### Assembly: Ready for Use



5 eyebolts are all that are needed to assemble a Wraparound® Regular Section.



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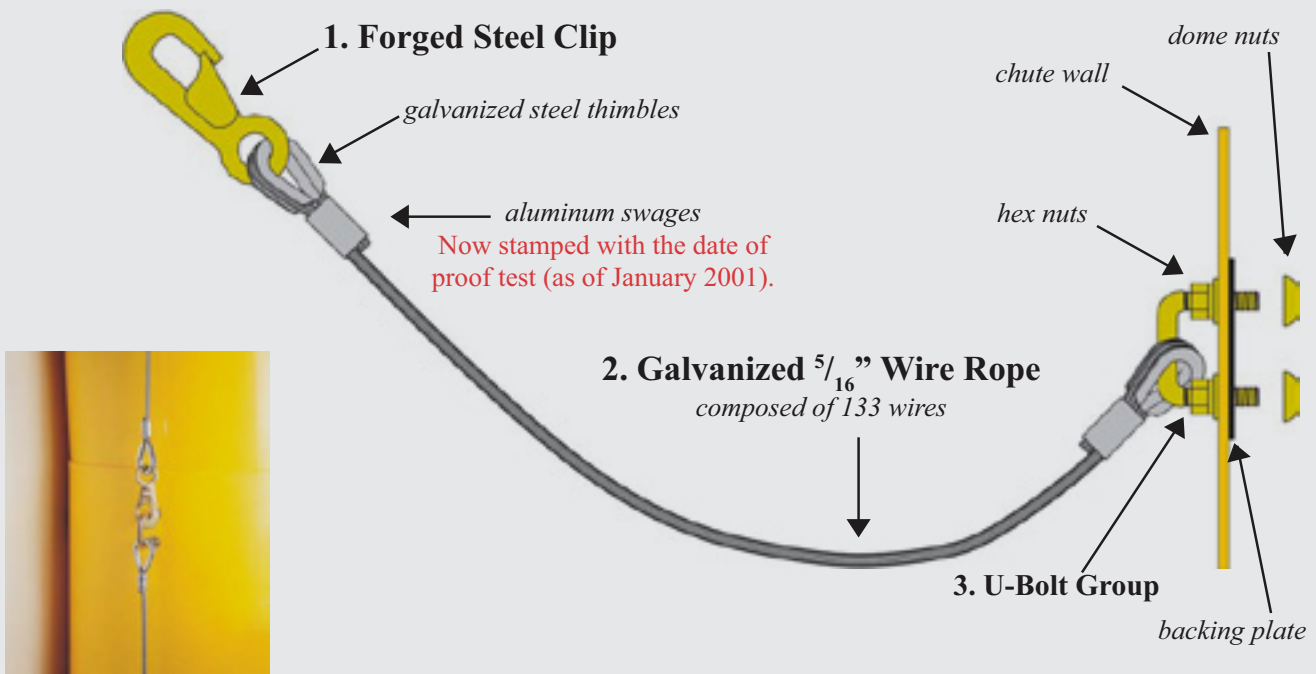
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## SUPERCHUTE® CABLE ASSEMBLIES - NOW PROOF TESTED

Superchute® sections feature a unique linking system that is QUICK, LIGHTWEIGHT and STRONG: Working in pairs, cable assemblies allow safe suspension of up to 200 ft. or 2000 lb. of chute (whichever is reached first) with a safety factor of 10 to 1.\*

The cable assembly is made of the following pieces:

1. Forged Clip: Strong & impossible to remove without cutting through wire rope
2. Wire rope: Safer, lighter & easier to handle than chain
3. U-Bolt Group: Secures the wire rope to chute wall



All Superchute® sections are equipped with 2 cable assemblies. To build a length of chute, simply clip the cable assemblies of the upper section to the U-Bolts of the section below. Repeat. The result will be two continuous wire rope systems, one on each side of the chute, that support all the weight of the chute.

### WHY NOT USE CHAIN?

"For general construction rigging never use a chain when it is possible to use wire rope. The failure of a single link of chain can result in a serious accident but wire rope on the other hand is frequently composed of 114 wires all of which must fail before the rope breaks. Wire rope gives you reserve strength and a chance to notice a hazard, chains do not." (Rigging Manual, CSAO, 1996)

Superchute® does use chain in products where adjustment is required. For example: Door Adjustment Kits and chute hoists. However, only high quality Grade 70 and Grade 80 chains are ever used.

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## THE PLASTIC

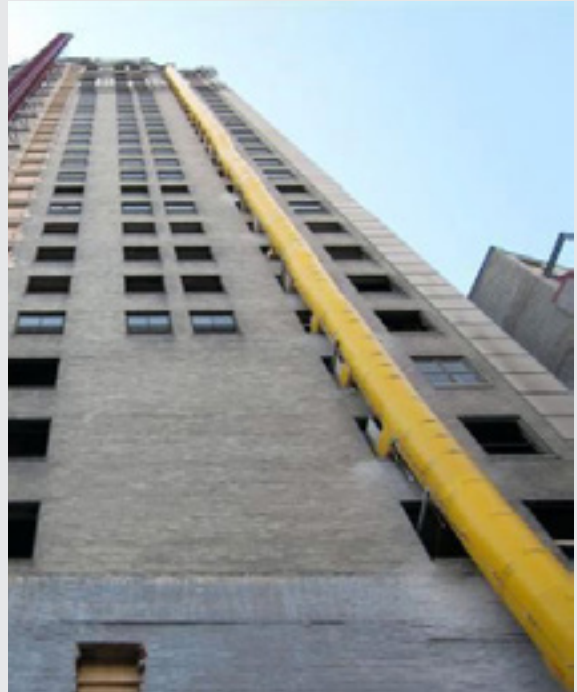
The durability and life of the chute depend on the quality of the plastic. Superchute® uses a high grade polyethylene that is extremely resistant to abrasion and temperature extremes.

The plastic is unaffected by sub-zero temperature as low as -156°F (-100°C) which explain why Alaskan contractors insist on using Superchute®.

To resist sunlight degradation, the plastic is UV treated.

## PLASTIC COLOR

Any color you like, as long as it is yellow! Our brilliant yellow plastic is a visible, safety-minded color and does a great job of showing off your name plate.



## SUPERCHUTE® SPREADER BAR

Use the Superchute® Spreader Bar to attach a length of chute to a hoist or crane cable.

Superchute® manufactures two Spreader Bars to meet your needs:

The Light Duty Spreader Bar has cables and features a working load limit of 1000 lb. (450 kg).  
The Heavy Duty Spreader Bar has chains and features a working load limit of 2000 lb. (900 kg).

### THE LIGHT DUTY SPREADER BAR



### THE HEAVY DUTY SPREADER BAR



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## SUPERCHUTE® SECTION AND LINER WEIGHTS

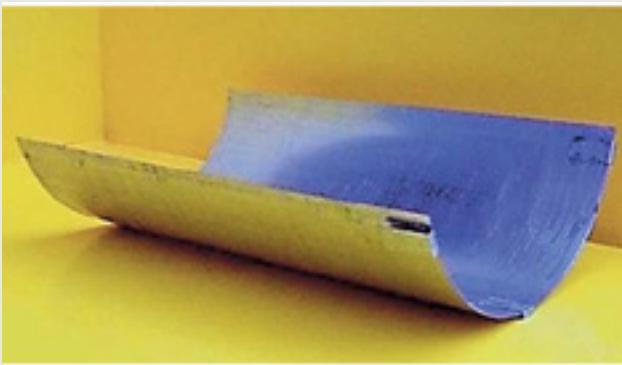
Before a chute is installed its total weight must be know. Knowing the weight of the chute enables the installer to choose a Chute Hoist, or similar, with sufficient load capacity.

Chute Specs		The Weight of Each Section in lb.						liners (in steel)
		Wraparounds Design			Welded Design			
Diameter	W all Gauge	Regular	Top Hopper	Door	Regular	Top Hopper	Door	
18"	5 mm	-	-	-	23	24	29*	23
23"	5 mm	30	30	40	27	29	36	32
27"	5 mm	34	41	47	32	34	41	37
30"	5 mm	39	41	50	36	39	47	40
30"	4 mm	31	-	-	27	-	-	40
30"	3.2 mm	28	-	-	-	-	-	40
33"	5 mm	43	48	75	-	40	50	48
36"	5 mm	46	55	64	-	46	57	53

\* - signifies that no such section exists.

## STEEL LINERS

Use Superchute® Steel Liners to protect heavy-wear areas in your chute system, for example:



- The last few sections curving into the container
- The back wall of a door section
- The back wall of a top hopper

### Superchute® Liners feature:

- 14 gauge galvanized steel construction
- Brackets for easy attachment to the wall
- Two hand-holds
- Painted diameter specs.
- Stainless steel warning label

Liners are available for all six chute section diameters:

Chute Diameter	Weight of Liner
18"	23 lb.
23"	32 lb.
27"	37 lb.
30"	40 lb.
33"	48 lb.
36"	53 lb.



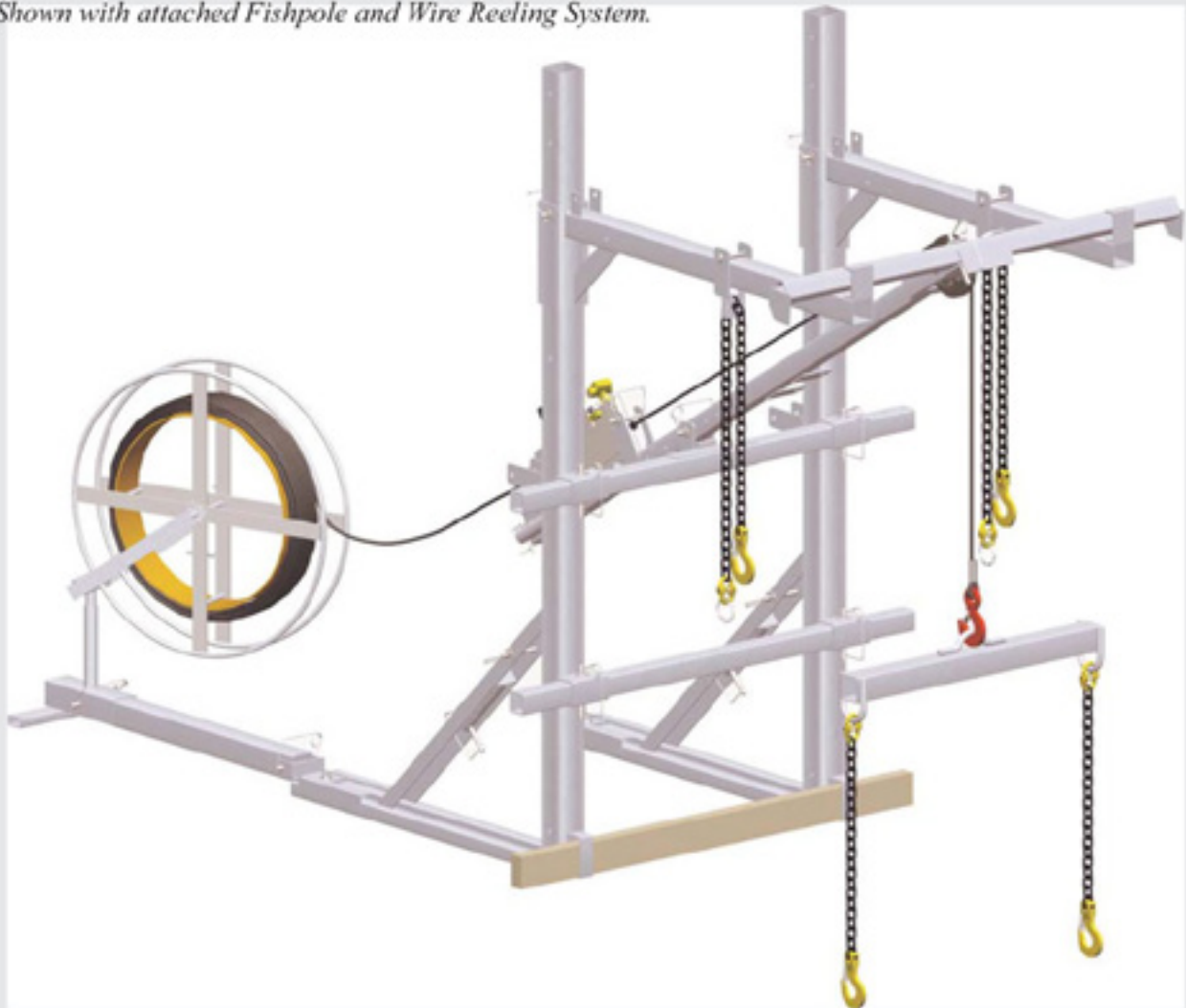
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## BOLT DOWN FRAMES

*Model SC-750-bd*

*Shown with attached Fishpole and Wire Reeling System.*



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## AN INTRODUCTION TO ...

### Bolt Down Frames: SC-250-bd, SC-500-bd, SC-750-bd, SC-1000-bd & SC-1500-bd

The Superchute® Bolt Down Frame is a popular chute hoist that attaches to a concrete floor slab using 2 expansion anchor bolts (supplied). On jobs where drilling into the floor is not possible, the Frame can be secured using a Counterweight Conversion Kit.

Each Frame ships and stores as a neat, compact rectangular packet, and assembles in 5 minutes using only 6 locking pins. Built-in storage tubes hold the anchor bolts. There are no loose pieces.

Five Frame models are available. These offer a maximum chute load capacity of 250 lb, 500 lb, 750 lb, 1000 lb or 1500 lb. All feature a 3:1 safety factor. The length of chute that a single Frame can lift, support, and lower depends on the diameter of chute used (larger diameter chute sections weigh more).

On jobs where a taller chute is needed, Frames can be piggybacked on successive floors to achieve a maximum chute height of 200 ft.

Raise and lower the chute using a crane, boom lift, or the removable Fishpole. A single Fishpole can serve many frames of the same model.

The SC-250-bd and SC-500-bd Frames share the same Fishpoles as do the SC-750-bd and SC-1000-bd (3 Fishpole models are available: one has a drum winch with 90' of cable, the other two have a traction winch for cases where a longer cable is needed)



**WHEN PROPERLY USED. MEETS OSHA'S  
FALL PROTECTION REQUIREMENTS**

**THE ADEQUACY  
OF THE SUPPORTING  
STRUCTURE NEED TO  
BE VERIFIED BY A  
STRUCTURAL  
ENGINEER**

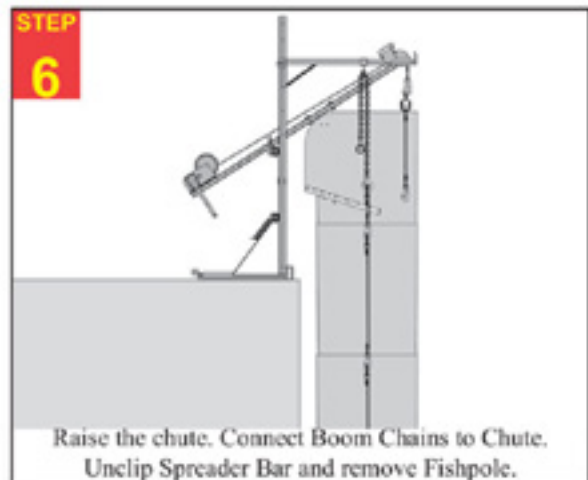
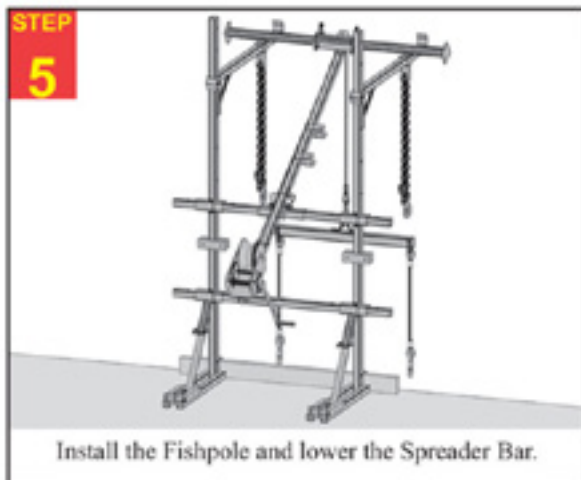
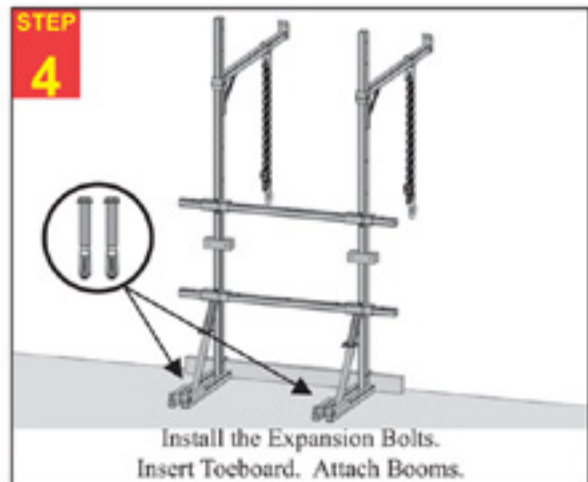


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## INSTALLATION OVERVIEW

SC-250-BD



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## DIMENSIONS OF THE BOLT DOWN FRAMES

### Secured using Expansion Anchor Bolts (Top View)

#### **Model SC-250-bd**

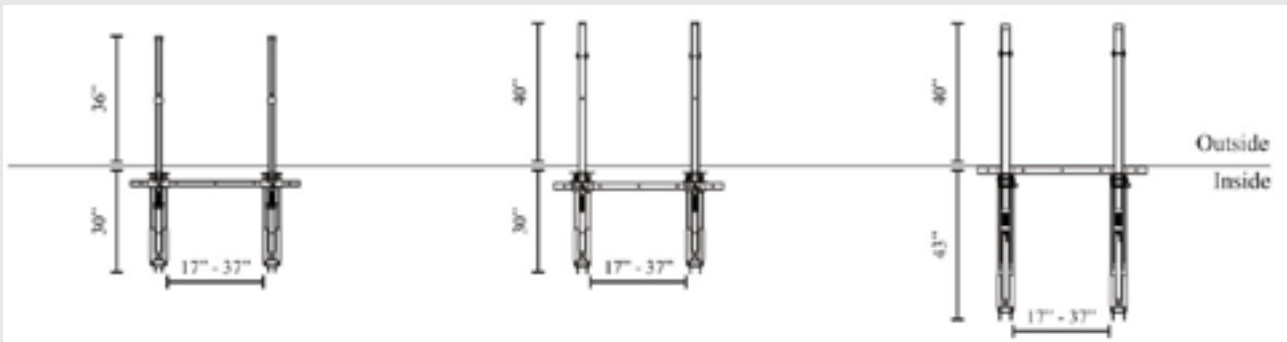
Frame Weight: 110 lb.  
Fishpole Weight: 70 lb.  
Mast Height: 6'6"

#### **Model SC-500-bd**

Frame Weight: 190 lb.  
Fishpole Weight: 70 lb.  
Mast Height: 6'6"

#### **Model SC-750-bd**

Frame Weight: 210 lb.  
Fishpole Weight: 95 lb.  
Mast Height: 6'6"

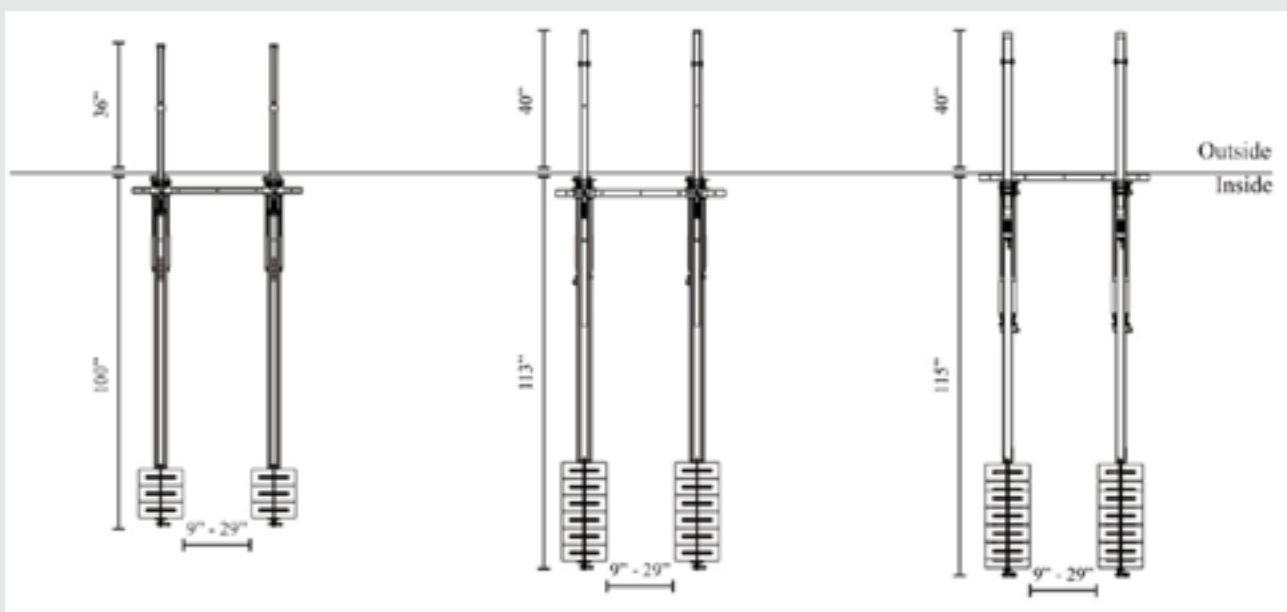


### Secured using Counterweights (Top View)

Frame Weight: 190 lb.  
Counterweights:: 330 lb.

Frame Weight: 300 lb.  
Counterweights:: 660 lb.

Frame Weight: 370 lb.  
Counterweights:: 1100 lb.



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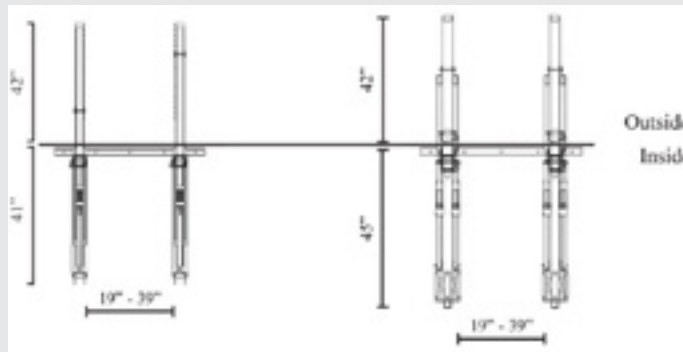
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## DIMENSIONS OF THE BOLT DOWN FRAMES

### Secured using Expansion Anchor Bolts (Top View)

**Model SC-1000-bd**  
 Frame Weight: 275 lb.  
 Fishpole Weight: 115 lb.  
 Mast Height: 6'6"

**Model SC-1500-bd**  
 Frame Weight: 300 lb.  
 Fishpole Weight: 30 lb.  
 Mast Height: 6'6"



### Secured using Counterweights (Top View)

Frame Weight: 415 lb.  
 Counterweights: 1210 lb.

Frame Weight: 500 lb.  
 Counterweights: 1650 lb.

