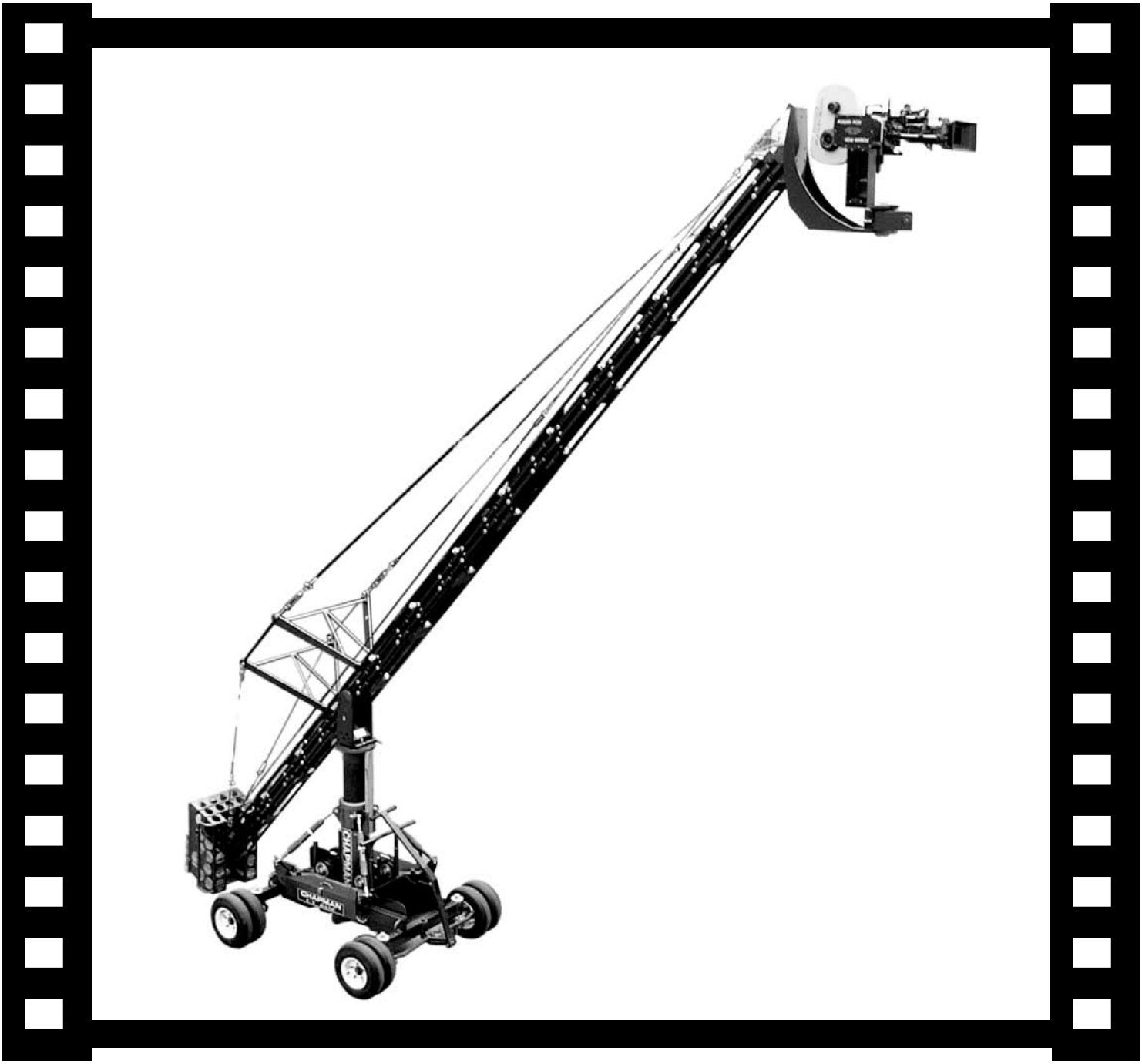
# Lenny Mini® Crane Arm

## USER GUIDE

Operational Instructions & Specifications



Lenny Mini®

AN/
LEONARD
STUDIO EQUIPMENT, INC.

888-883-6559
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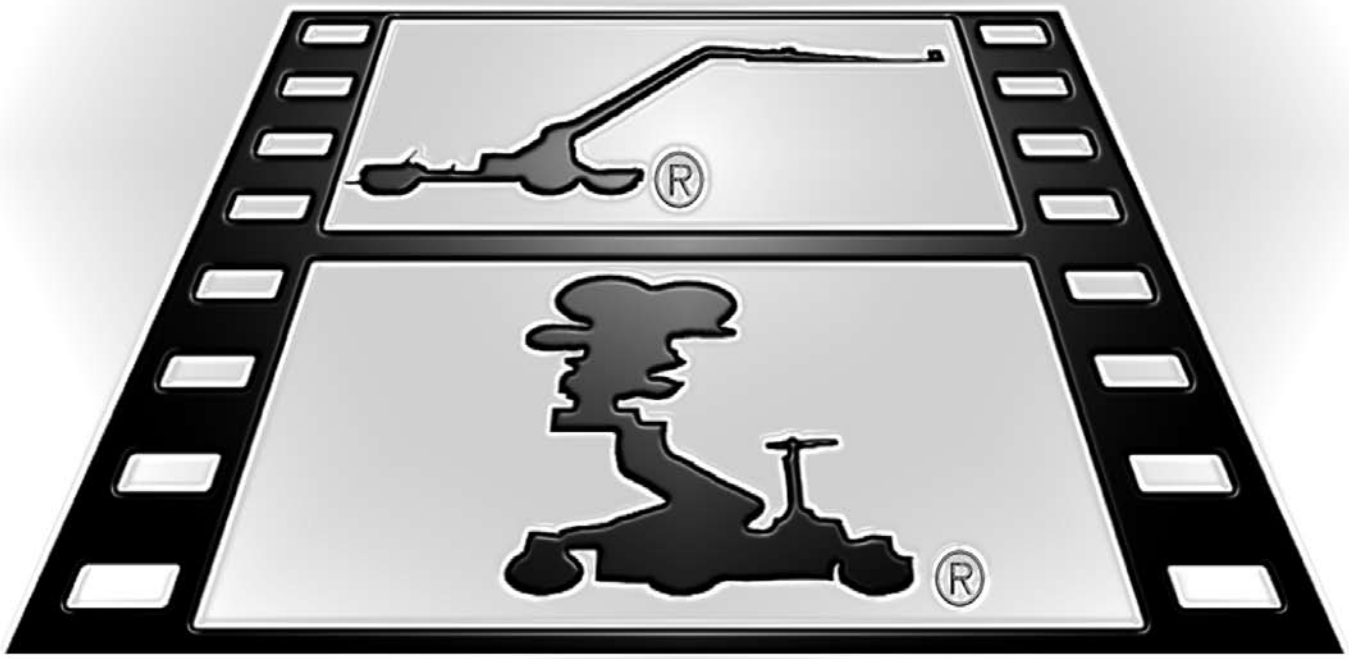
 Revision 19 - 7/2008

# CHAPMAN/LEONARD STUDIO EQUIPMENT, INC.



It is Chapman/Leonard's goal to provide the best camera support equipment with exceptional Customer Service. Therefore, we are compiling this User Guide to aid in the reordering of Replacement Parts for your Leased Equipment.
For any questions regarding this User Guide, please contact Customer Service at 888-883-6559 or 818-764-6726.

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Revision 19 - 7/2008

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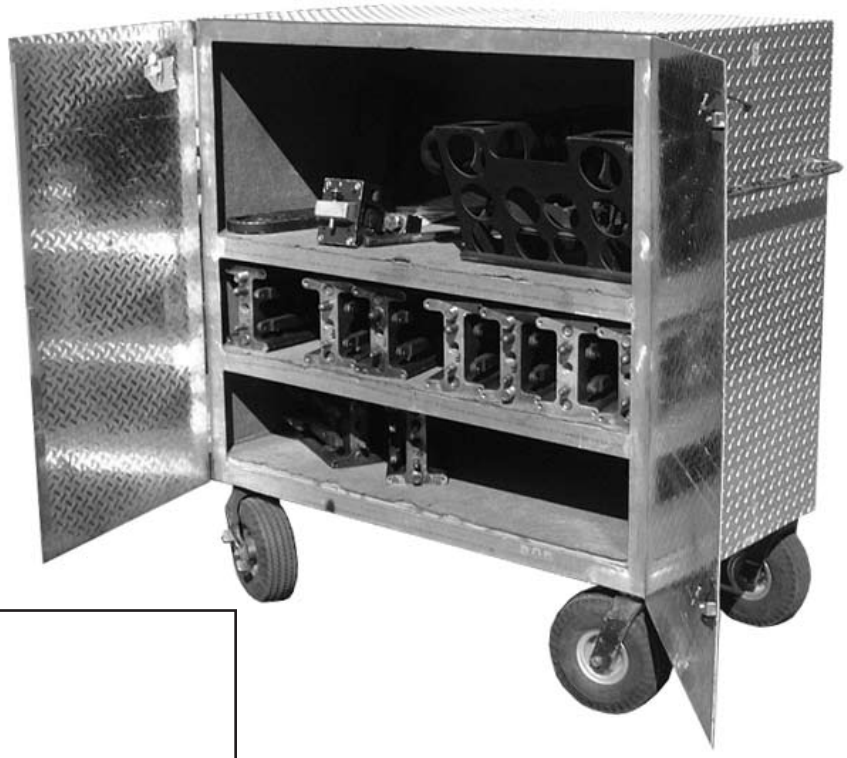
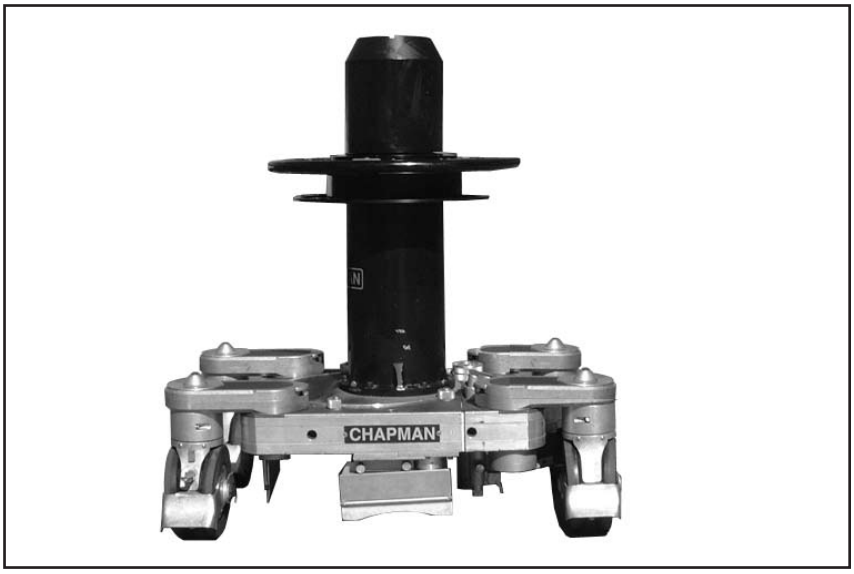
# Lenny Mini® Assembly Procedure



The Lenny Mini® is among the smallest of Chapman's array of crane arms. The Lenny Mini® is the arm of choice for scenes requiring: easy assembly, lightweight setups, ample reach and height and rigidity.

The complete Lenny Mini® can be stored within its Accessory Cart.

Always lock the wheels when the cart is parked.




The Lenny Mini® is small enough to be mounted on a variety of dollies and pedestals.
The Pedolly pedestal is ideal for use with the Lenny Mini®.

Assembly of the Lenny Mini® begins with insuring that the wheels of the dolly or base are either locked or chocked.

Lenny Mini® can be easily assembled by one person. Begin by placing the Center Post on top of the pedestal or dolly Post Kit.



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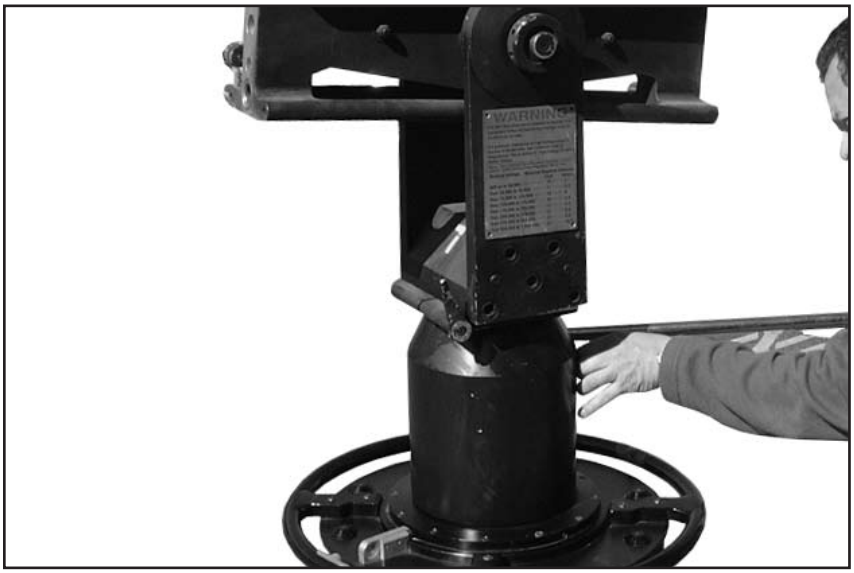
The Castle Ring secures the Center Post to the base of your choice.



Tighten the Castle Ring with a bar. Moderate torque is sufficient to achieve the correct tightness.


***Warning!***
Always use the The Safety Cap.

The Safety Cap and Bolt is installed over the Castle Ring. This will prevent the Castle Ring from coming loose in any situation.



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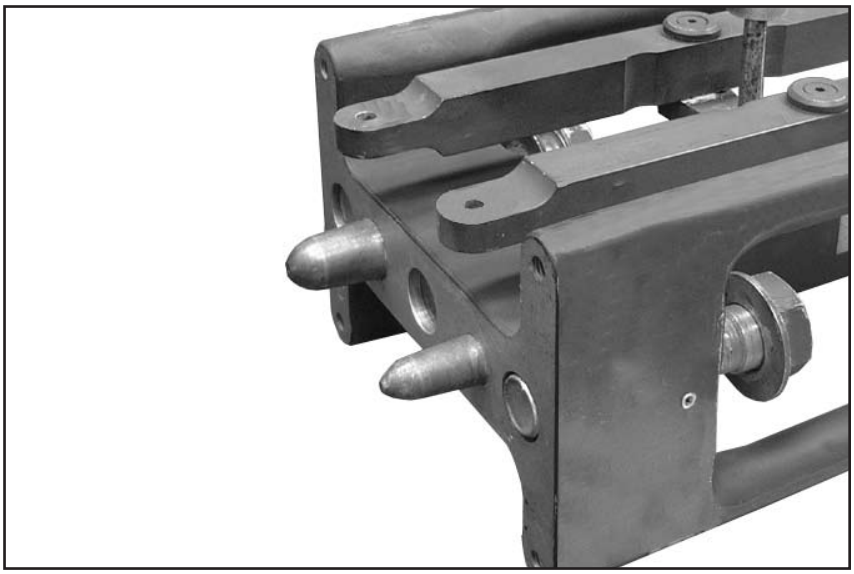
Tighten the Safety Cap and Bolt with a wrench (provided with accessories).

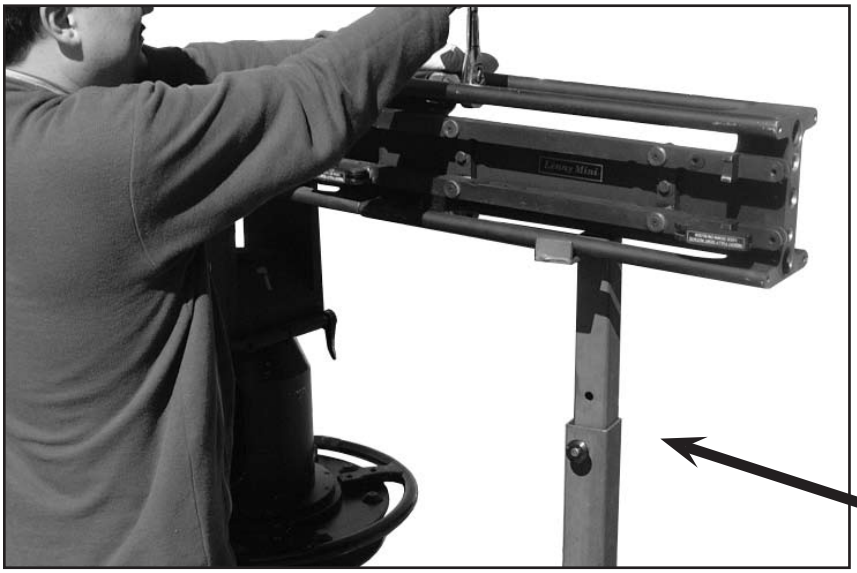


The Lenny Mini® arm sections fit together with two tapered pins. Position the tapered pins of one arm section into the holes of another arm section.

**NOTE:** Each section of the Lenny Arm is numbered. Every Lenny Arm is assembled at the factory in numerical order. Assembling a Lenny Arm is quick and easy if it is built in the correct numerical sequence.


Hand tighten the bolts prior to wrench tightening. A support may be used to aid in the assembly procedure.

A special socket wrench is included with every Lenny Mini®.



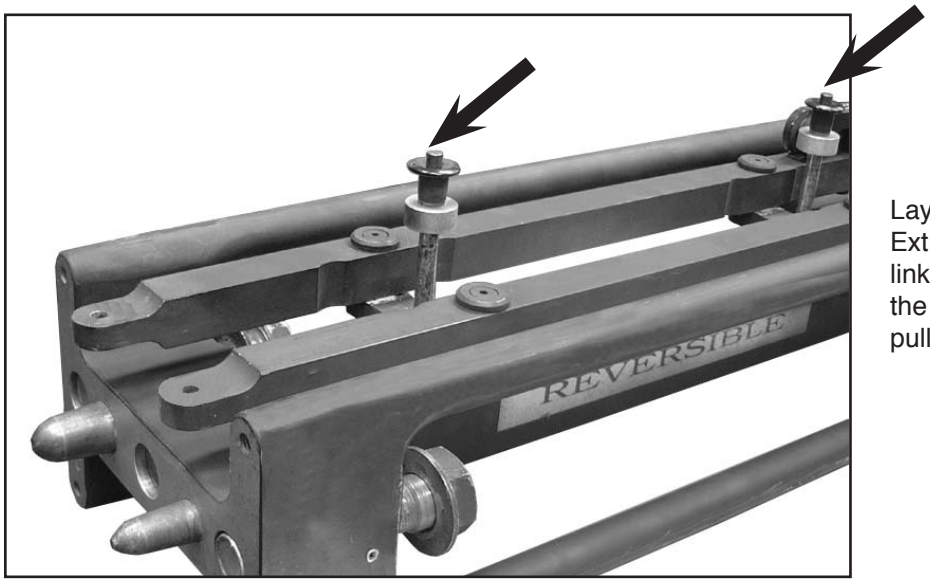
Tighten the upper Bolt with the wrench.

***Note!***
Correct positioning of the support is an important part of building the arm.

Tighten the lower Bolt with the wrench.


There is a special arm section that is reversible. It enables its use as either a front or rear section. Each side of the special section is labeled.


To change the Reversible section from a front section to a rear section, the linkage must be moved from one side of the arm section to the other.




Lay the Reversible section on a flat surface. Extract the two Quick Release Pins that secure the linkage to the arm section. Begin by pressing on the two Quick Release Pins at the same time and pull away from the arm section.



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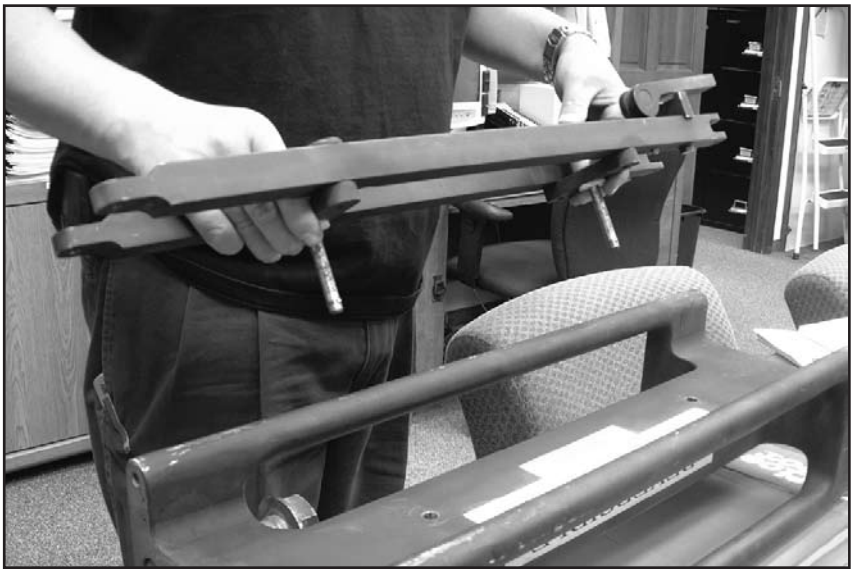
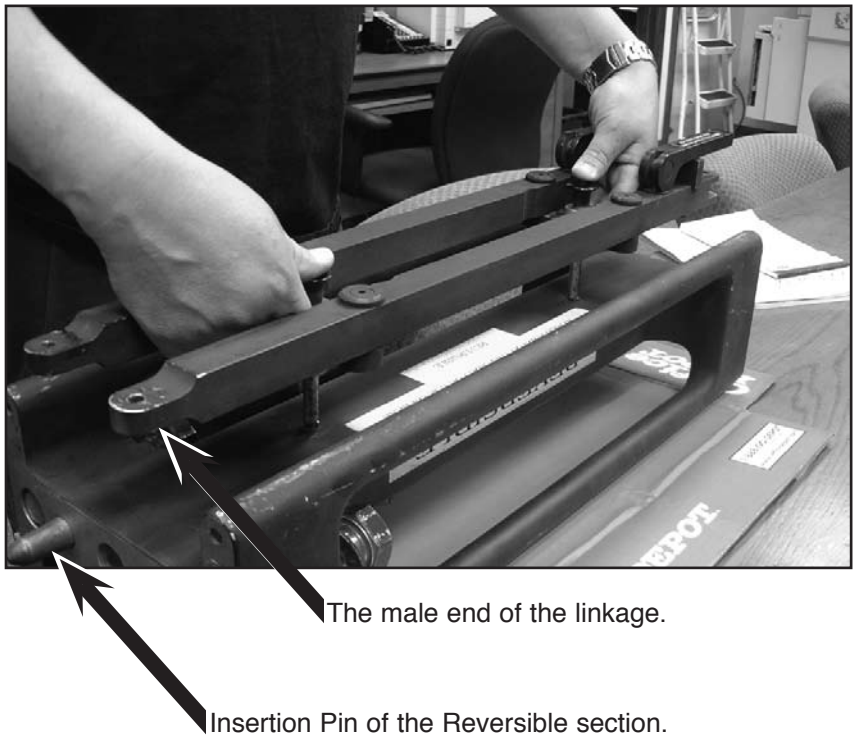
It is not necessary to completely remove the Quick Release Pins from the linkage. There is a washer and spacer on each Quick Release Pin.

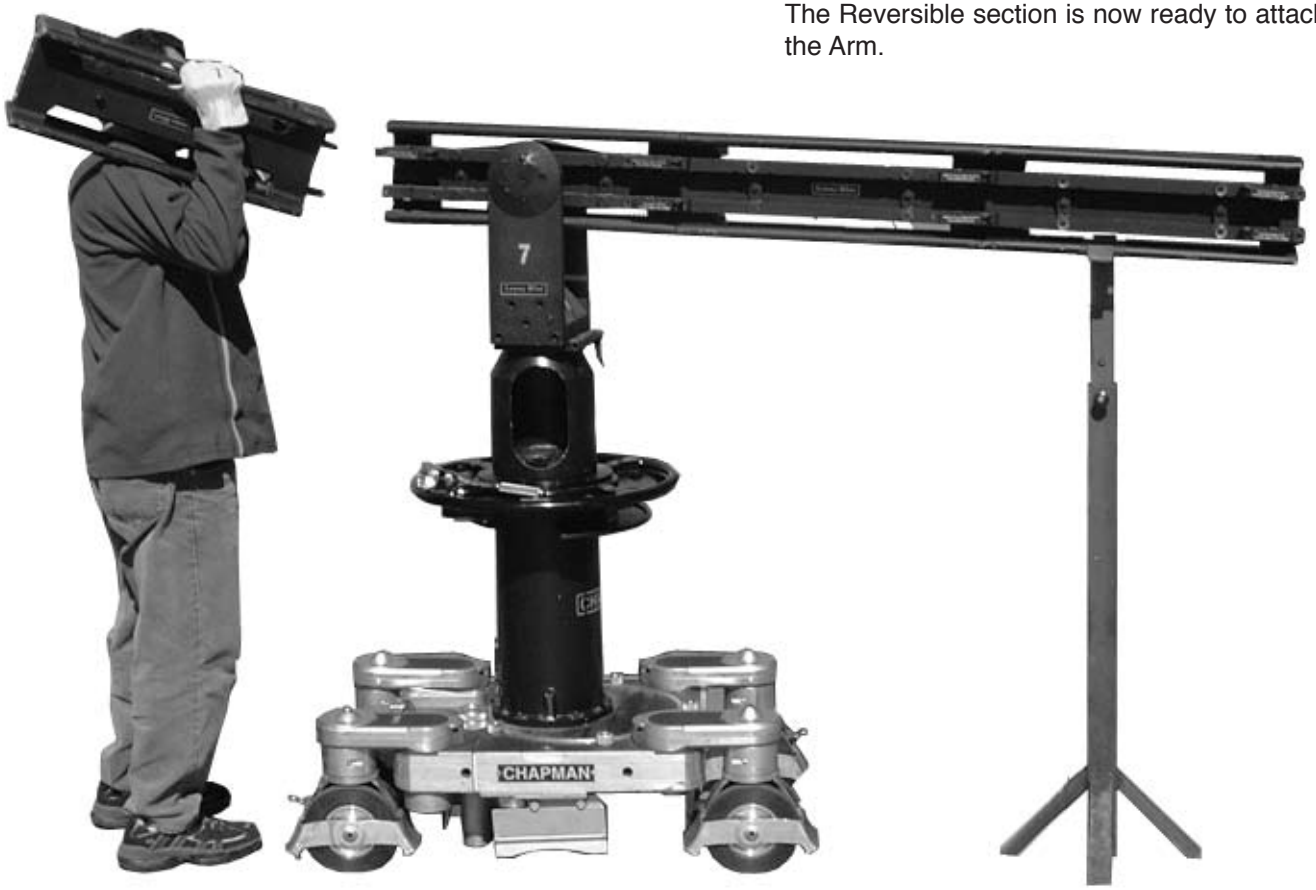

Flip the Reversible section over.



Reattach the linkage to the Reversible section.




The male end of the linkage should be oriented to match up with Insertion Pins of the Reversible section.




The Reversible section is now ready to attach to the Arm.



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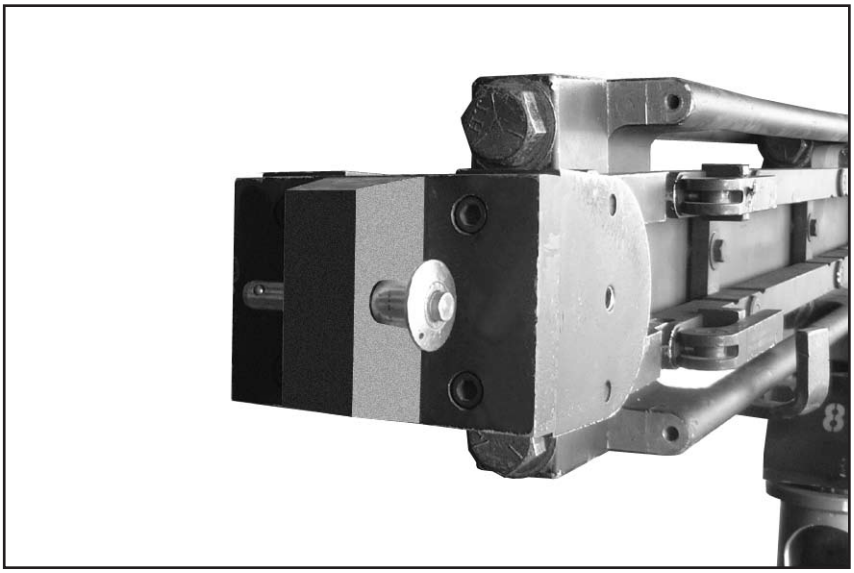
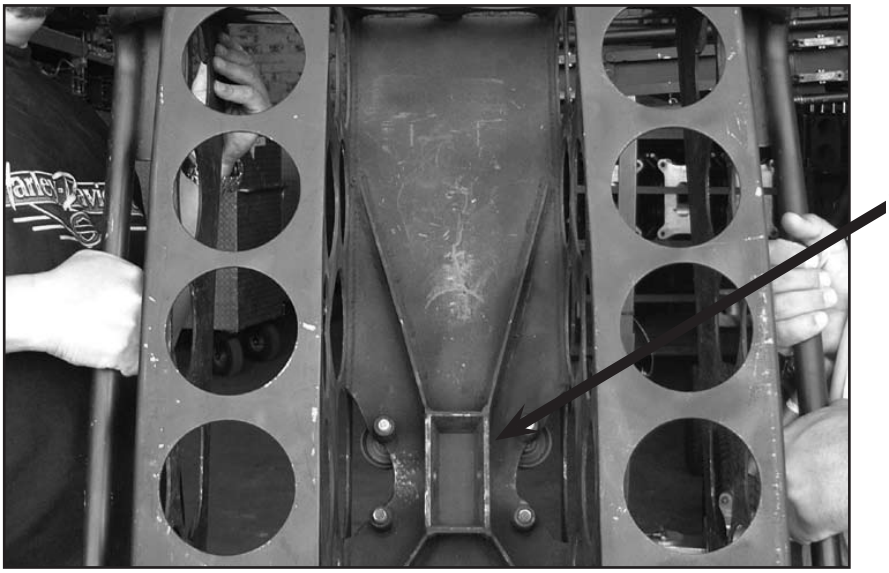
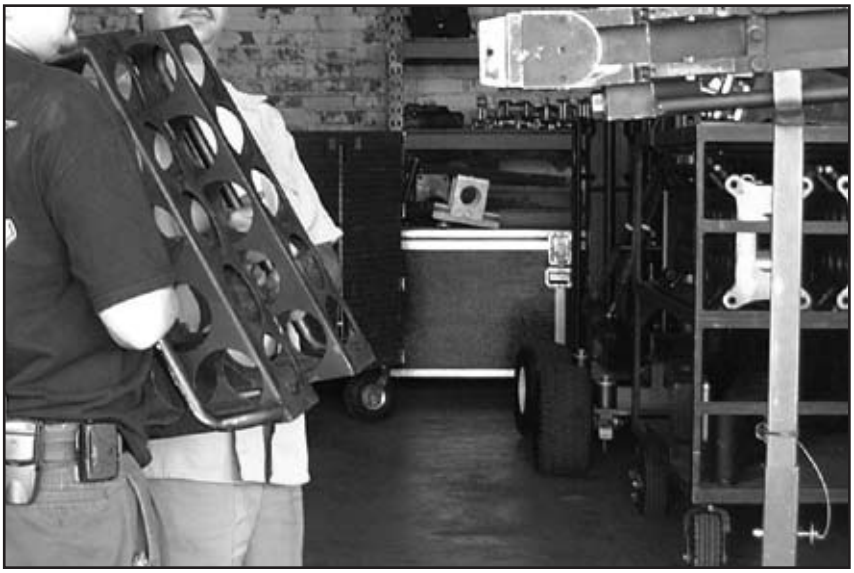


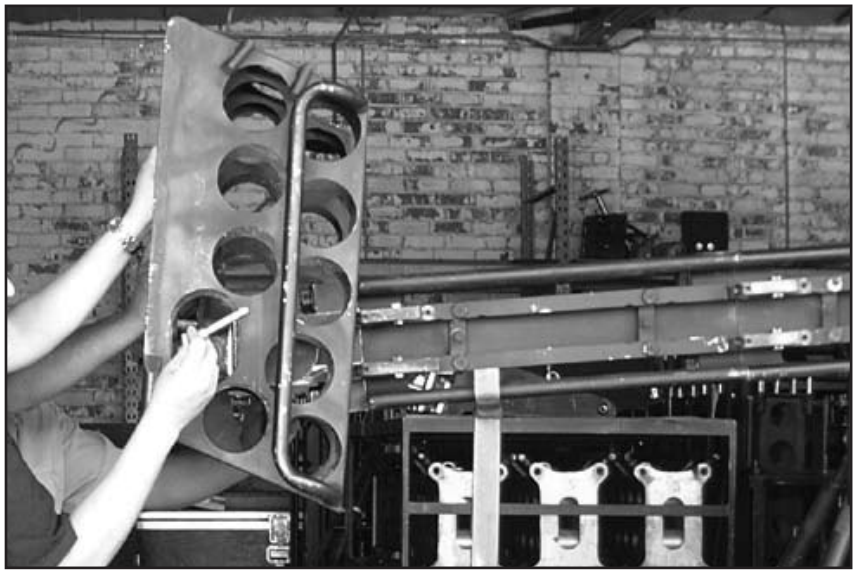
The Rear Segment has a large Quick Release Pin for attaching the Weight Bucket. However, this is only part of the attachment procedure.



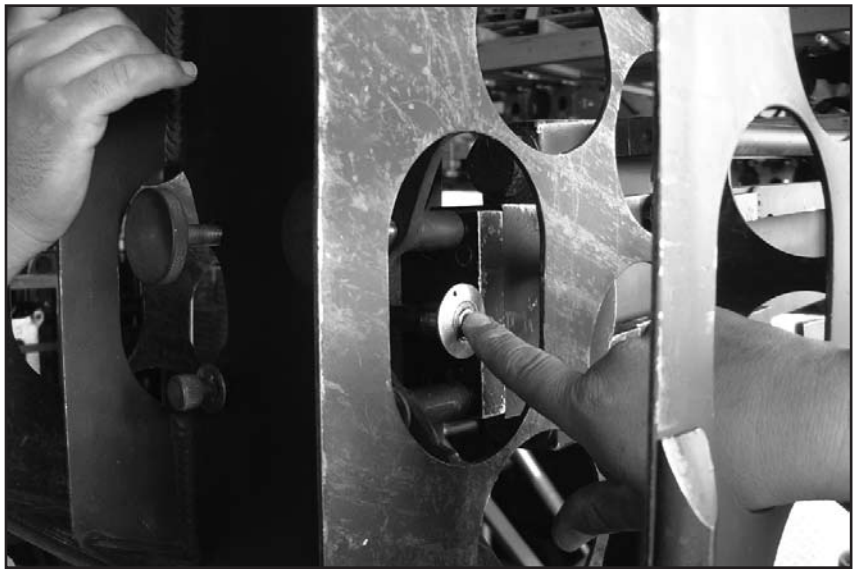
There is a slot inside the Weight Bucket for accepting the Rear Segment of the Arm.



Remove the large Quick Release Pin from the Rear Segment of the arm. Lift the Weight Bucket and line up the slot with the Rear Segment of the arm.



Insert the large Quick Release Pin joining the Weight Bucket to the Rear Segment of the arm.



Be sure that the large Quick Release Pin is fully seated in the hole.

Hand tighten the two lower bolts in the rear center of the Weight Bucket.



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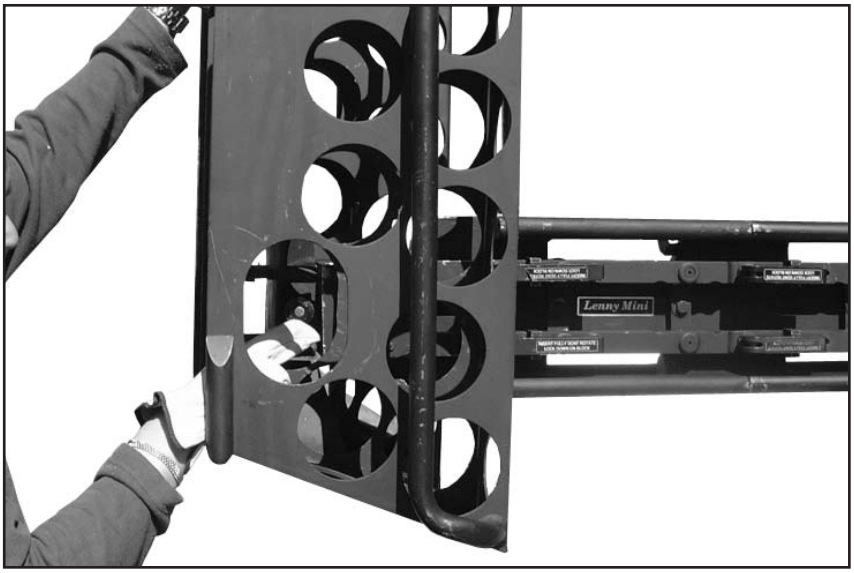
Hand tighten the large knobs in the Weight Bucket to eliminate any looseness in the connection between the Weight Bucket and the arm. Try to equally tighten the two large knobs. Tighten the left Knob one turn.

Now tighten the right knob one turn. Go back to the left knob and tighten one turn.




Repeat until there is no play in the Weight Bucket.



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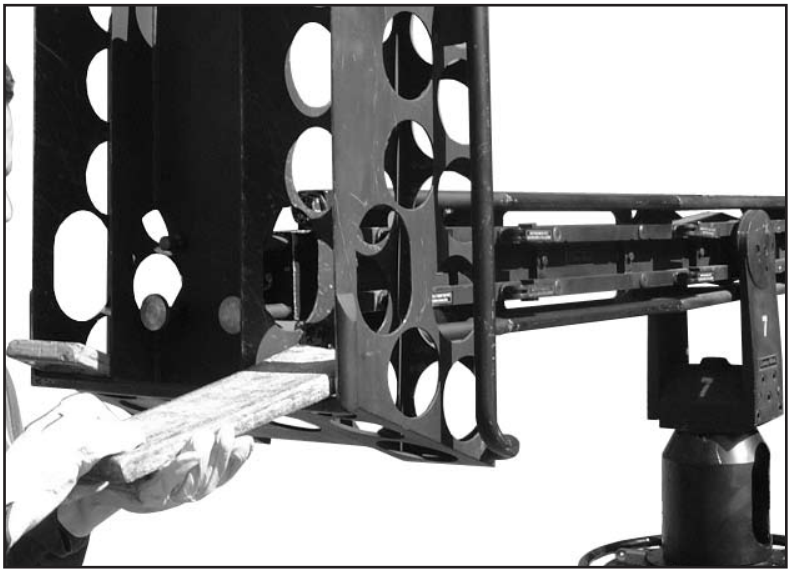
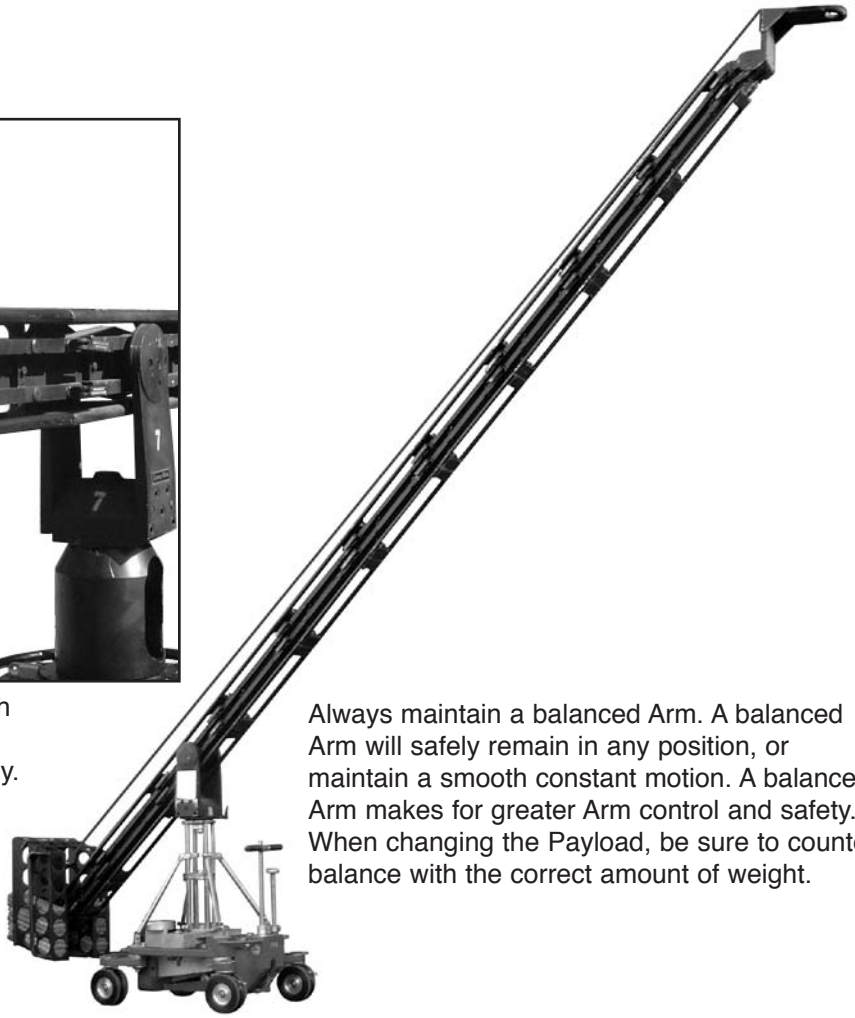
This is only one of the configurations that is possible with the Lenny Mini®.

The Lenny Mini® is for Remote Use ONLY! Never attempt to use as a Man Set-Up.



At this point you can begin to load the Bucket with Weights as each additional forward section is added to the Arm. Load the Weight Bucket evenly. Load only enough weight to counter balance the desired payload.



Always maintain a balanced Arm. A balanced Arm will safely remain in any position, or maintain a smooth constant motion. A balanced Arm makes for greater Arm control and safety. When changing the Payload, be sure to counter balance with the correct amount of weight.



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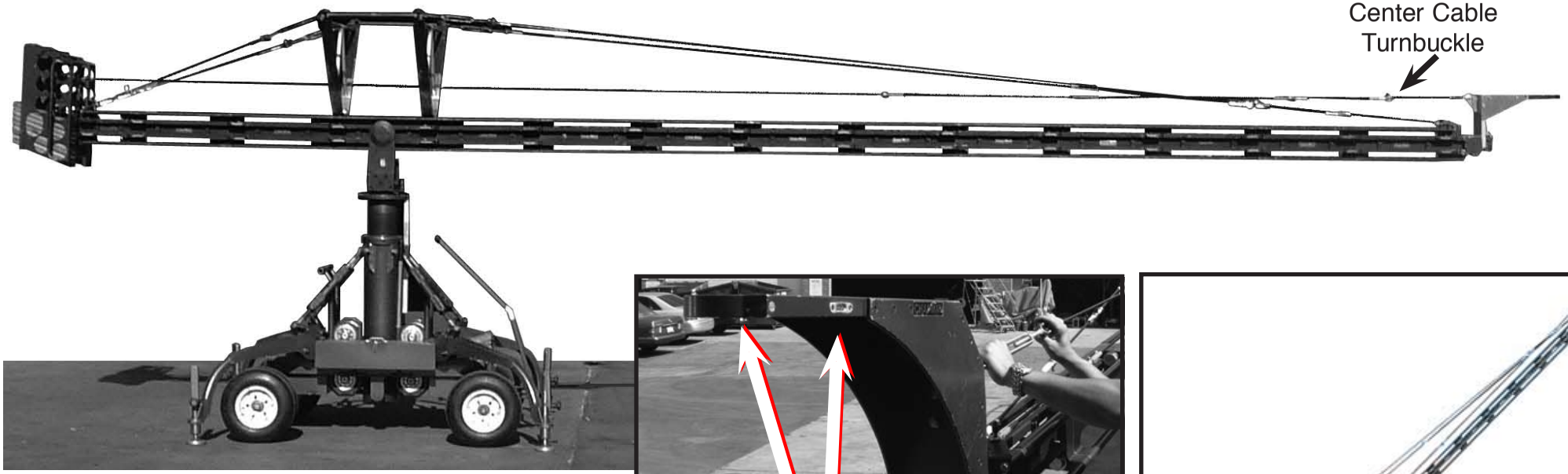
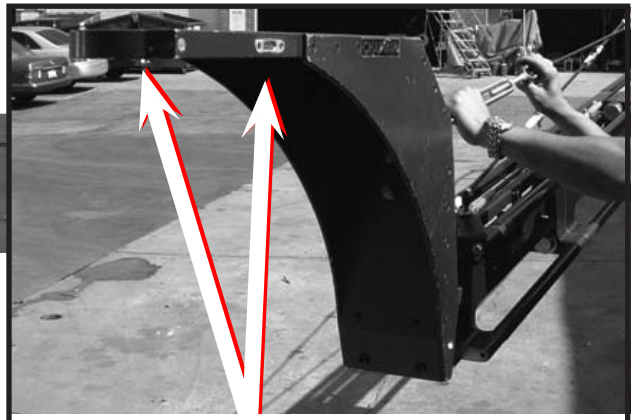
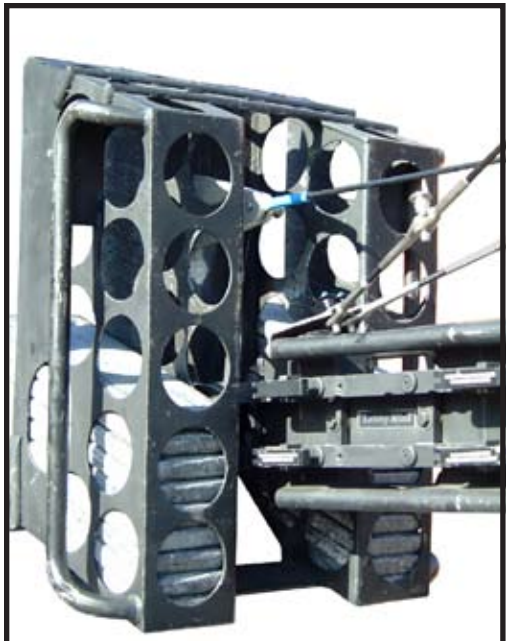



# The LENNY MINI Cable System



Leveling the Nose Plate begins with leveling the **Center Post of the Base**, and ends with checking BOTH Bubble Levels on the Nose Plate.

An essential safety feature of the Lenny Mini requires that the Weight Bucket be able to touch the ground when the arm is raised to its maximum height.



The Center Cable attaches to the upper part of the Weight Bucket.

A level Nose Plate is achieved by adjusting the Center Cable Turnbuckle, **AFTER** the Center Post of the Base has been leveled.

Regardless of the Configuration that you choose for the Lenny Mini, the Center Cable must **ALWAYS** be used. The Center Cable enhances the leveling integrity of the Nose Plate; acts as a safety feature of the Weight Bucket, and adds greater rigidity to the arm.

Chapman/Leonard
Studio Equipment, Inc.
North Hollywood, CA facility
May 15, 2002

CHAPMAN/LEONARD
STUDIO EQUIPMENT, INC.

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# Lenny Mini® Configurations

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## 1. 5301

MH = 2' 4" (.71 m)
MR = 2' 6" (.76 m)
MP = 592 lb. (268.8 kg)
BW = -33 lb. (-15 kg)
BAW = 206 lb. (93.6 kg)

MOW = 1,360 lb. (618.2 kg)
ROW = 410 lb. (186.4 kg)
BR = 1 : 1.00
PMH = 12" (.31 m)
UW = 173 lb. (78.6 kg)

Blue Center Cable Uses
Turnbuckle Only




## 2. 5302

MH = 3' 2" (.97 m)
MR = 3' 6" (1.1 m)
MP = 304 lb. (138 kg)
BW = 7 lb. (3.2 kg)
BAW = 200 lb. (90.9 kg)

MOW = 1,105 lb. (502.3 kg)
ROW = 567 lb. (257.7 kg)
BR = 1 : 1.71
PMH = 12" (.31 m)
UW = 194 lb. (88.2 kg)

Blue Center Cable Uses
2 foot




## 3. 5303

MH = 4' (1.22 m)
MR = 4' 6" (1.4 m)
MP = 194.5 lb. (88.3 kg)
BW = 42 lb. (19.1 kg)
BAW = 245 lb. (111.4 kg)

MOW = 995 lb. (452.3 kg)
ROW = 706 lb. (320.9 kg)
BR = 1 : 2.41
PMH = 12" (.31 m)
UW = 203 lb. (92.3 kg)

Blue Center Cable Uses
2 foot
1 foot




## 4. 5304

MH = 4' 10" (1.5 m)
MR = 5' 6" (1.7 m)
MP = 119 lb. (54 kg)
BW = 101 lb. (45.9 kg)
BAW = 325 lb. (147.7 kg)

MOW = 947 lb. (430.5 kg)
ROW = 881 lb. (400.5 kg)
BR = 1 : 3.12
PMH = 12" (.31 m)
UW = 224 lb. (101.8 kg)

Blue Center Cable Uses
4 foot






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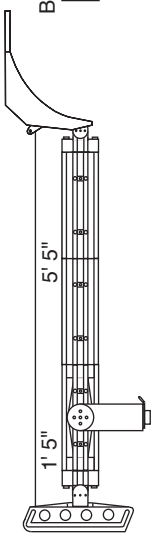
## 5. 5305

MH = 5' 8" (1.73 m)
MR = 6' 6" (2 m)
MP = 81 lb. (36.8 kg)
BW = 134 lb. (60.9 kg)
BAW = 390 lb. (177.3 kg)

MOW = 1,740 lb. (790.9 kg)
ROW = 1,041 lb. (473.2 kg)
BR = 1 : 3.82
PMH = 9" (.23 m)
UW = 256 lb. (116.4 kg)

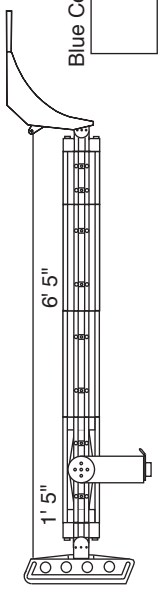



Blue Center Cable Uses
5 foot

## 6. 5306

MH = 6' 6" (2 m)
MR = 7' 6" (2.3 m)
MP = 42 lb.(19.1 kg)
BW = 218 lb. (99.1 kg)
BAW = 768 lb. (349.1 kg)

MOW = 1,706 lb. (775.5 kg)
ROW = 1,242 lb. (564.5 kg)
BR = 1 : 4.53
PMH = 9" (.23 m)
UW = 277 lb. (125.9 kg)

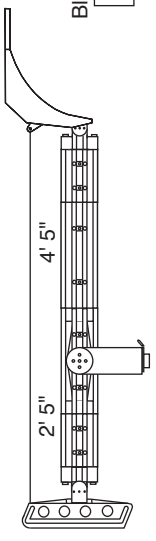



Blue Center Cable Uses
5 foot
1 foot

## 7. 5307

MH = 5' 8" (1.73 m)
MR = 5' 6" (1.68 m)
MP = 270.5 lb. (122.8 kg)
BW = 23 lb. (10.5 kg)
BAW = 268 lb. (121.8 kg)

MOW = 1,117 lb. (507.7 kg)
ROW = 650 lb. (295.5 kg)
BR = 1 : 1.83
PMH = 22" (.56 m)
UW = 245 lb. (111.4 kg)

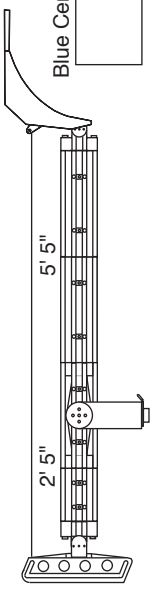



Blue Center Cable Uses
5 foot

## 8. 5308

MH = 6' 6" (2 m)
MR = 6' 6" (2 m)
MP = 201.5 lb. (91.5 kg)
BW = 56 lb. (25.5 kg)
BAW = 309 lb. (140.5 kg)

MOW = 1,054 lb. (479.1 kg)
ROW = 747 lb. (339.5 kg)
BR = 1 : 2.24
PMH = 22" (.56 m)
UW = 254 lb. (115.5 kg)




Blue Center Cable Uses
5 foot
1 foot



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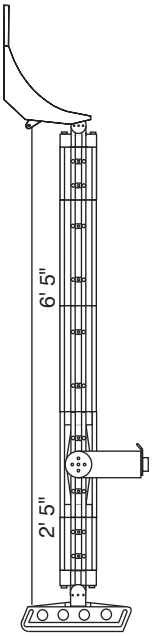
## 9. 5309

MH = 7' 6" (2.3 m)
MR = 7' 6" (2.3 m)
MP = 146.5 lb. (66.5 kg)
BW = 103 lb. (46.8 kg)
BAW = 378 lb. (171.8 kg)

MOW = 1,017 lb. (462.3 kg)
ROW = 870 lb. (395.5 kg)
BR = 1 : 2.65
PMH = 22" (.56 m)
UW = 275 lb. (125 kg)

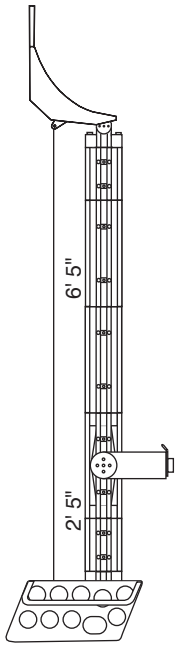



Blue Center Cable Uses
5 foot
2 foot

## 10. 5310

MH = 7' 3" (2.21 m)
MR = 7' 6" (2.3 m)
MP = 389 lb. (176.6 kg)
BW = 79 lb. (35.9 kg)
BAW = 377 lb. (171.4 kg)

MOW = 1,932 lb. (878.2 kg)
ROW = 870 lb. (395.5 kg)
BR = 1 : 2.65
PMH = 19" (.48 m)
UW = 298 lb. (135.5 kg)

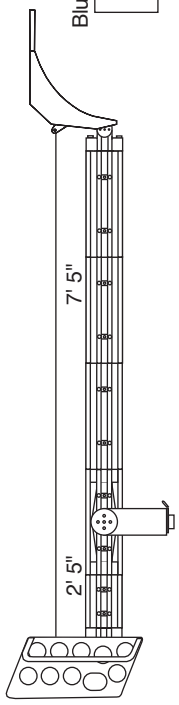



Blue Center Cable Uses
5 foot
2 foot

## 11. 5311

MH = 8' 1" (2.46 m)
MR = 8' 6" (2.59 m)
MP = 318 lb. (144.4 kg)
BW = 125 lb. (56.8 kg)
BAW = 432 lb. (196.4 kg)

MOW = 1,857 lb. (844.1 kg)
ROW = 981 lb. (445.9 kg)
BR = 1 : 3.07
PMH = 19" (.48 m)
UW = 307 lb. (139.5 kg)

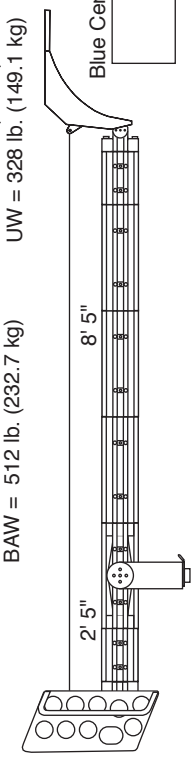



Blue Center Cable Uses
5 foot
3 foot

## 12. 5312

MH = 8' 11" (2.72 m)
MR = 9' 6" (2.89 m)
MP = 255 lb. (115.8 kg)
BW = 184 lb. (83.6 kg)
BAW = 512 lb. (232.7 kg)

MOW = 1,812 lb. (823.6 kg)
ROW = 1,117 lb. (507.7 kg)
BR = 1 : 3.48
PMH = 19" (.48 m)
UW = 328 lb. (149.1 kg)




Blue Center Cable Uses
5 foot
4 foot



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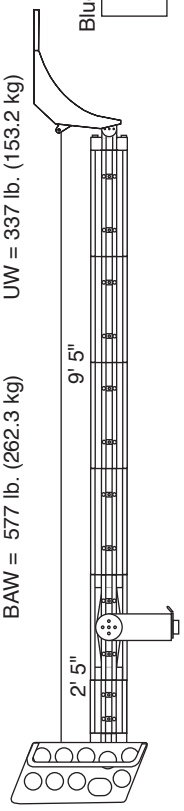
## 13. 5313

MH = 9' 9" (2.97 m)
MR = 10' 6" (3.20 m)
MP = 214 lb. (97.2 kg)
BW = 240 lb. (109.1 kg)
BAW = 577 lb. (262.3 kg)

MOW = 1,822 lb. (828.2 kg)
ROW = 1,182 lb. (537.3 kg)
BR = 1 : 3.48
PMH = 19" (.48 m)
UW = 337 lb. (153.2 kg)

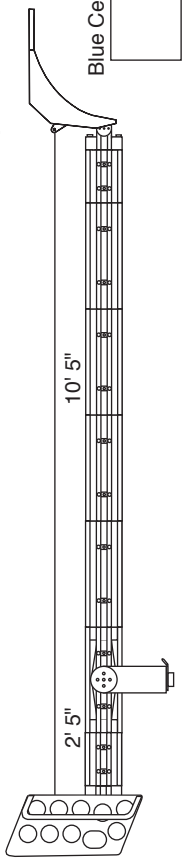



Blue Center Cable Uses
8 foot
2 foot

## 14. 5314

MH = 10' 7" (3.23 m)
MR = 11' 6" (3.51 m)
MP = 169 lb. (76.7 kg)
BW = 311 lb. (141.4 kg)
BAW = 669 lb. (304.1 kg)

MOW = 1,769 lb. (804.1 kg)
ROW = 1,386 lb. (630 kg)
BR = 1 : 4.31
PMH = 19" (.48 m)
UW = 358 lb. (162.7 kg)

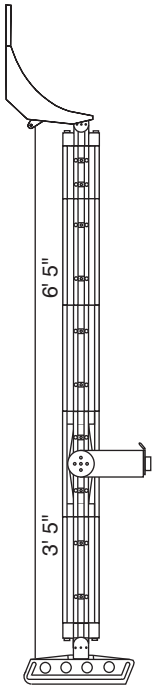



Blue Center Cable Uses
8 foot
3 foot

## 15. 5315

MH = 8' 1" (2.46 m)
MR = 7' 6" (2.28 m)
MP = 249 lb. (113 kg)
BW = 58 lb. (26.4 kg)
BAW = 342 lb. (155.5 kg)

MOW = 1,137 lb. (516.8 kg)
ROW = 731 lb. (332.3 kg)
BR = 1 : 1.88
PMH = 32" (.81 m)
UW = 284 lb. (129.1 kg)

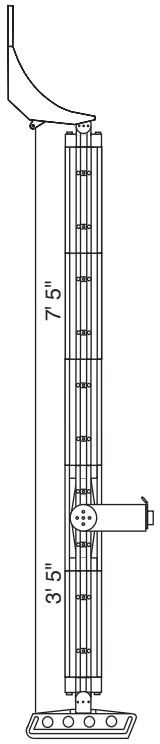



Blue Center Cable Uses
8 foot

## 16. 5316

MH = 8' 11" (2.71 m)
MR = 8' 6" (2.59 m)
MP = 198 lb. (89.9 kg)
BW = 80 lb. (36.4 kg)
BAW = 373 lb. (169.5 kg)

MOW = 1,102 lb. (500.9 kg)
ROW = 801 lb. (364.1 kg)
BR = 1 : 2.17
PMH = 32" (.81 m)
UW = 293 lb. (133.2 kg)




Blue Center Cable Uses
8 foot
1 foot



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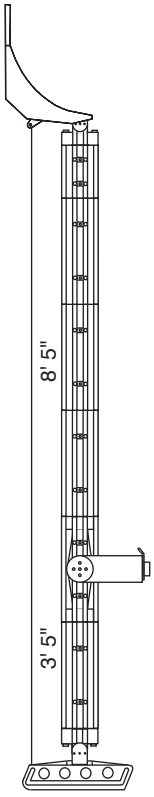
**NOTE: If any part of this manual is faxed or transmitted to a client, the list of <u>warnings on page 31</u> MUST be attached.**

## 17. 5317

MH = 9' 9" (2.97 m)
MR = 9' 6" (2.89 m)
MP = 151 lb. (68.6 kg)
BW = 142 lb. (64.5 kg)
BAW = 456 lb. (207.3 kg)

MOW = 1,065 lb. (484.1 kg)
ROW = 923 lb. (419.5 kg)
BR = 1 : 2.46
PMH = 32" (.81 m)
UW = 314 lb. (142.7 kg)

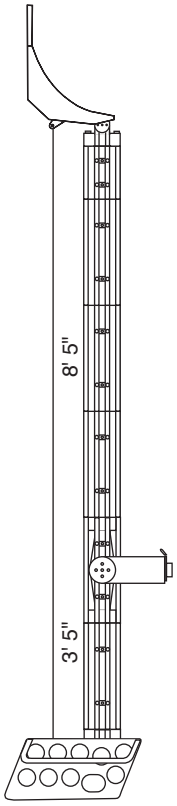



Blue Center Cable Uses
8 foot
2 foot

## 18. 5318

MH = 9' 9" (2.97 m)
MR = 9' 6" (2.89 m)
MP = 414 lb. (188 kg)
BW = 98 lb. (44.5 kg)
BAW = 435 lb. (197.7 kg)

MOW = 2,345 lb. (1,065.9 kg)
ROW = 902 lb. (410 kg)
BR = 1 : 2.46
PMH = 29" (.74 m)
UW = 337 lb. (153.2 kg)

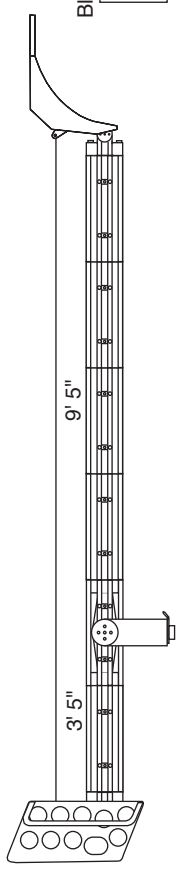



Blue Center Cable Uses
8 foot
2 foot

## 19. 5319

MH = 10' 7" (3.23 m)
MR = 10' 6" (3.20 m)
MP = 355 lb. (161.2 kg)
BW = 139 lb. (63.2 kg)
BAW = 485 lb. (220.5 kg)

MOW = 1,948 lb. (885.5 kg)
ROW = 993 lb. (451.4 kg)
BR = 1 : 2.76
PMH = 29" (.74 m)
UW = 346 lb. (157.3 kg)

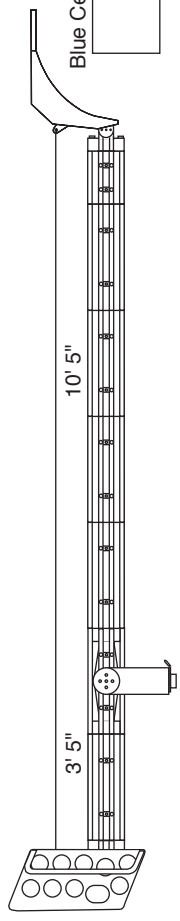



Blue Center Cable Uses
8 foot
3 foot

## 20. 5320

MH = 11' 5" (3.48 m)
MR = 11' 6" (3.51 m)
MP = 296 lb. (134.4 kg)
BW = 189 lb. (85.9 kg)
BAW = 556 lb. (252.7 kg)

MOW = 1,901 lb. (864.1 kg)
ROW = 1,102 lb. (500.9 kg)
BR = 1 : 3.05
PMH = 29" (.74 m)
UW = 367 lb. (166.8 kg)




Blue Center Cable Uses
8 foot
4 foot



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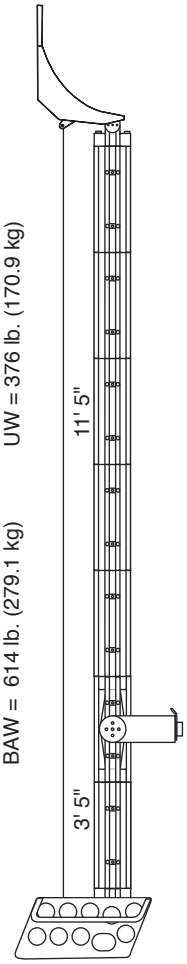
## 21. 5321

MH = 12' 3" (3.73 m)
MR = 12' 6" (3.81 m)
MP = 256.5 lb. (116.5 kg)
BW = 238 lb. (108.2 kg)
BAW = 614 lb. (279.1 kg)

MOW = 1,851 lb. (841.4 kg)
ROW = 1,200 lb. (545.5 kg)
BR = 1 : 3.34
PMH = 29" (.74 m)
UW = 376 lb. (170.9 kg)

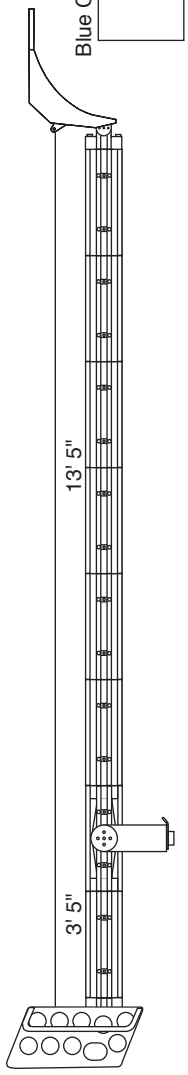



Blue Center Cable Uses
8 foot
5 foot

## 22. 5322

MH = 13' 11" (4.24 m)
MR = 14' 6" (4.42 m)
MP = 284 lb. (128.9 kg)
BW = 354 lb. (160.9 kg)
BAW = 759 lb. (345 kg)

MOW = 1,829 lb. (831.4 kg)
ROW = 1,425 lb. (647.7 kg)
BR = 1 : 3.93
PMH = 29" (.74 m)
UW = 406 lb. (184.5 kg)

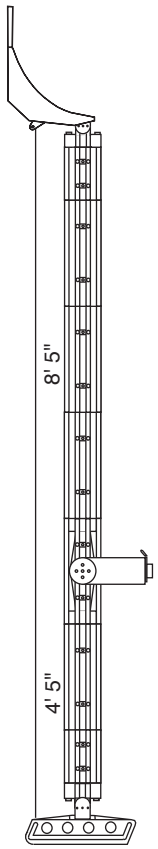



Blue Center Cable Uses
8 foot
5 foot
2 foot

## 23. 5323

MH = 10' 7" (3.23 m)
MR = 9' 6" (2.89 m)
MP = 216 lb. (98.1 kg)
BW = 68 lb. (30.9 kg)
BAW = 403 lb. (183.2 kg)

MOW = 1,180 lb. (536.4 kg)
ROW = 796 lb. (361.8 kg)
BR = 1 : 1.91
PMH = 42" (1.07 m)
UW = 335 lb. (152.3 kg)

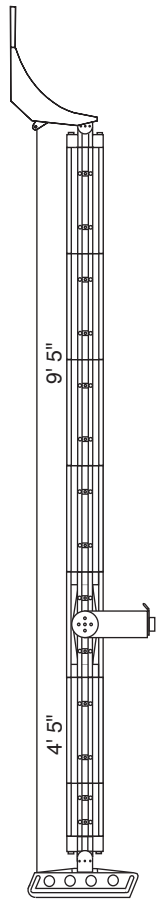



Blue Center Cable Uses
8 foot
3 foot

## 24. 5324

MH = 11' 5" (3.48 m)
MR = 10' 6" (3.2 m)
MP = 196 lb. (94.1 kg)
BW = 99 lb. (89 kg)
BAW = 443 lb. (201.4 kg)

MOW = 1,145 lb. (520.5 kg)
ROW = 865 lb. (393.2 kg)
BR = 1 : 2.13
PMH = 42" (1.07 m)
UW = 344 lb. (156.4 kg)




Blue Center Cable Uses
8 foot
4 foot

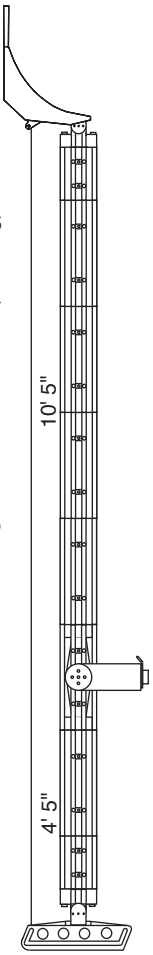
**NOTE: If any part of this manual is faxed or transmitted to a client, the list of warnings on page 31 MUST be attached.**

## 25. 5325

MH = 12' 3" (3.73 m)
MR = 11' 6" (3.51 m)
MP = 153 lb. (69.5 kg)
BW = 144 lb. (65.5 kg)
BAW = 509 lb. (231.4 kg)

MOW = 1,124 lb. (510.9 kg)
ROW = 963 lb. (437.7 kg)
BR = 1 : 2.36
PMH = 42" (1.07 m)
UW = 365 lb. (165.9 kg)

Blue Center Cable Uses
8 foot
5 foot

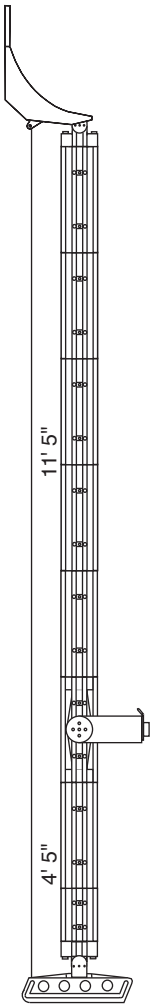



## 26. 5326

MH = 13' 1" (4 m)
MR = 12' 6" (3.81 m)
MP = 116 lb. (52.7 kg)
BW = 176 lb. (80 kg)
BAW = 550 lb. (250 kg)

MOW = 1,106 lb. (502.7 kg)
ROW = 1,033 lb. (469.5 kg)
BR = 1 : 2.58
PMH = 42" (1.07 m)
UW = 374 lb. (170 kg)

Blue Center Cable Uses
8 foot
5 foot
1 foot

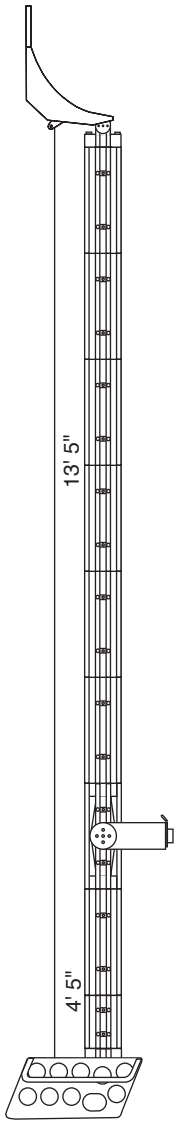



## 27. 5327

MH = 14' 9" (4.5 m)
MR = 14' 6" (4.42 m)
MP = 191 lb. (86.7 kg)
BW = 242 lb. (110 kg)
BAW = 669 lb. (304.1 kg)

MOW = 1,946 lb. (884.5 kg)
ROW = 1,215 lb. (552.3 kg)
BR = 1 : 3.04
PMH = 39" (.99 m)
UW = 427 lb. (194.1 kg)

Blue Center Cable Uses
8 foot
5 foot
3 foot

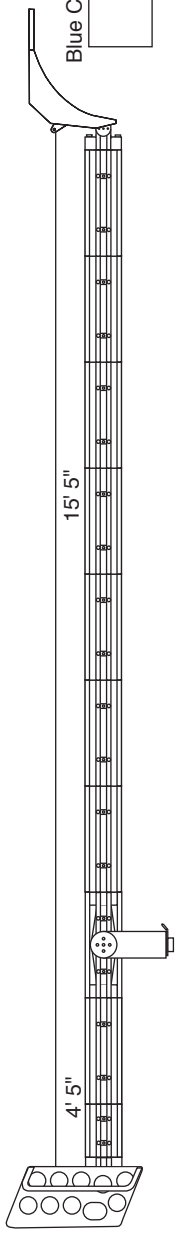



## 28. 5328

MH = 16' 5" (5 m)
MR = 16' 6" (5.03 m)
MP = 220 lb. (99.9 kg)
BW = 349 lb. (158.6 kg)
BAW = 806 lb. (366.4 kg)

MOW = 1,898 lb. (862.7 kg)
ROW = 1,414 lb. (642.7 kg)
BR = 1 : 3.49
PMH = 39" (.99 m)
UW = 457 lb. (207.7 kg)

Blue Center Cable Uses
16 foot
2 foot



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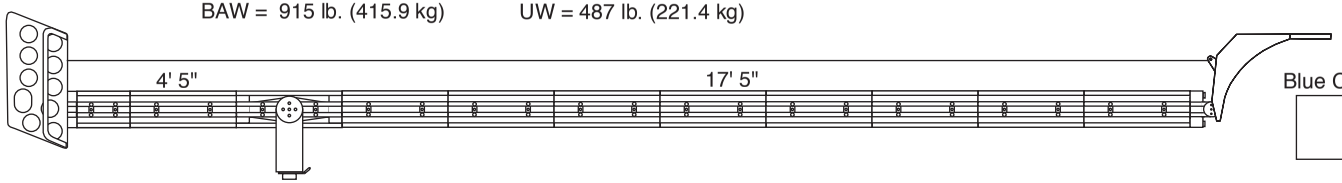
## 29. 5329

MH = 18' 6" (5.64 m)
MR = 18' 6" (5.64 m)
MP = 160.5 lb. (72.9 kg)
BW = 428 lb. (194.5 kg)
BAW = 915 lb. (415.9 kg)

MOW = 1,888 lb. (858.2 kg)
ROW = 1,582 lb. (719.1 kg)
BR = 1 : 3.94
PMH = 39" (.99 m)
UW = 487 lb. (221.4 kg)

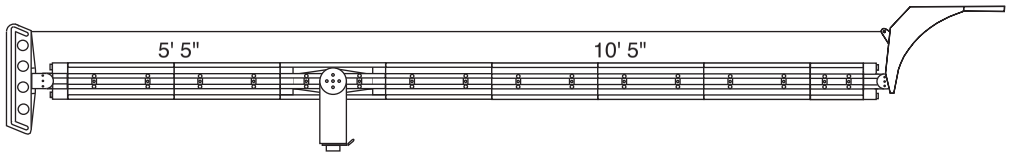



Blue Center Cable Uses
16 foot
4 foot

## 30. 5330

MH = 13' 3" (4 m)
MR = 11' 6" (3.5 m)
MP = 218 lb. (99 kg)
BW = 122 lb. (55.5 kg)
BAW = 496 lb. (225.5 kg)

MOW = 1,188 lb. (540 kg)
ROW = 890 lb. (404.5 kg)
BR = 1 : 1.92
PMH = 52" (1.32 m)
UW = 374 lb. (170 kg)

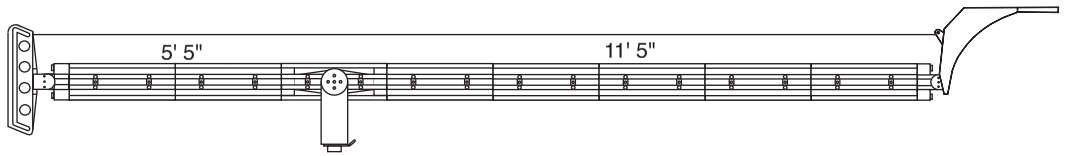



Blue Center Cable Uses
8 foot
5 foot
1 foot

## 31. 5331

MH = 13' 11" (4.24 m)
MR = 12' 6" (3.81 m)
MP = 184 lb. (83.5 kg)
BW = 91 lb. (41.4 kg)
BAW = 474 lb. (215.5 kg)

MOW = 1,192 lb. (541.8 kg)
ROW = 894 lb. (406.4 kg)
BR = 1 : 2.11
PMH = 52" (1.32 m)
UW = 383 lb. (174.1 kg)

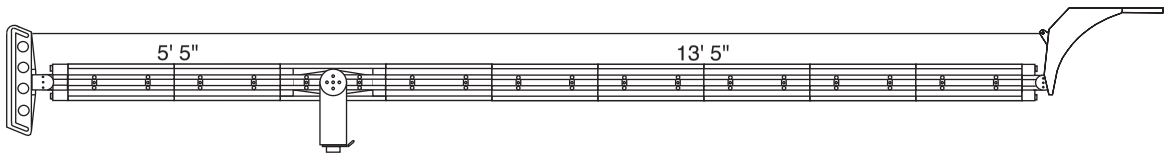



Blue Center Cable Uses
8 foot
5 foot
2 foot

## 32. 5332

MH = 15' 7" (4.7 m)
MR = 14' 6" (4.42 m)
MP = 122 lb. (55.4 kg)
BW = 195 lb. (88.6 kg)
BAW = 608 lb. (276.4 kg)

MOW = 1,144 lb. (520 kg)
ROW = 1,076 lb. (489.1 kg)
BR = 1 : 2.48
PMH = 52" (1.32 m)
UW = 413 lb. (187.7 kg)




Blue Center Cable Uses
16 foot
1 foot

**NOTE: If any part of this manual is faxed or transmitted to a client, the list of warnings on page 31 MUST be attached.**

## 33. 5333

MH = 17' 3" (5.26 m)
MR = 16' 6" (5.03 m)
MP = 306 lb. (139 kg)
BW = 259 lb. (117.7 kg)
BAW = 725 lb. (329.5 kg)

MOW = 1,999 lb. (908.6 kg)
ROW = 1,244 lb. (565.5 kg)
BR = 1 : 2.85
PMH = 49" (1.24 m)
UW = 466 lb. (211.8 kg)

Blue Center Cable Uses
16 foot
3 foot

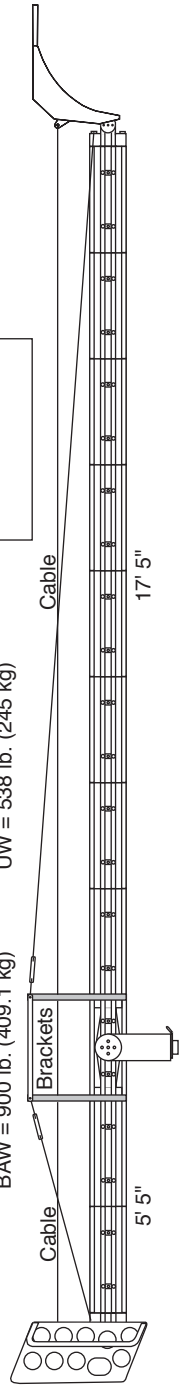

## 34. 5365

**NOTE: For front sections in excess of 17' 5", the Cable System is recommended for maximum rigidity and performance. See configurations #45 - 55.**

MH = 18' 11" (5.8 m)
MR = 18' 6" (5.6 m)
MP = 243 lb. (110.3 kg)
BW = 370 lb. (168.2 kg)
BAW = 900 lb. (409.1 kg)

MOW = 1,997 lb. (907.7 kg)
ROW = 1,470 lb. (668.2 kg)
BR = 1 : 3.22
PMH = 49" (1.24 m)
UW = 538 lb. (245 kg)

Blue Center Cable Uses
16 foot
5 foot



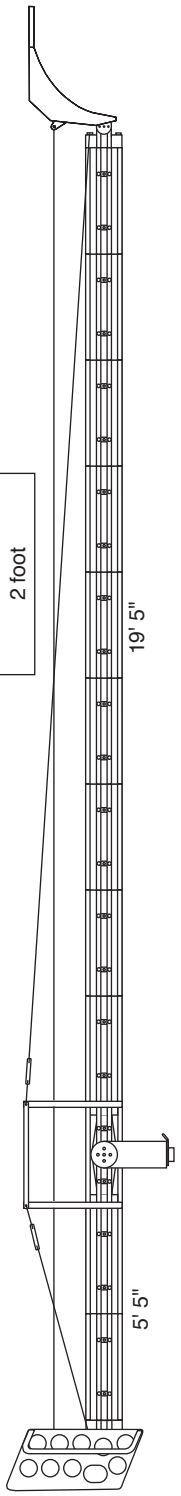

| CABLES | |
|---|---|
| Rear | Front |
| 2 - 1/4" Yellow Cables - 38" long | 1 - 1/4" White Cable - 14' 8" long<br>1 - 1/4" Red Cable - 14' 8" long |

## 35. 5366

MH = 20' 4" (6.2 m)
MR = 20' 6" (6.2 m)
MP = 183 lb. (83.1 kg)
BW = 488 lb. (221.8 kg)
BAW = 1,050 lb. (477.3 kg)

MOW = 1,970 lb. (895.5 kg)
ROW = 1,669 lb. (758.6 kg)
BR = 1 : 3.58
PMH = 49" (1.24 m)
UW = 568 lb. (258 kg)

Blue Center Cable Uses
16 foot
5 foot
2 foot




| CABLES | |
|---|---|
| Rear | Front |
| 2 - 1/4" Yellow Cables - 38" long | 1 - 1/4" White Cable - 14' 8" long<br>1 - 1/4" Red Cable - 14' 8" long<br>1 - 1/4" White Cable - 2' long<br>1 - 1/4" Red Cable - 2' long |



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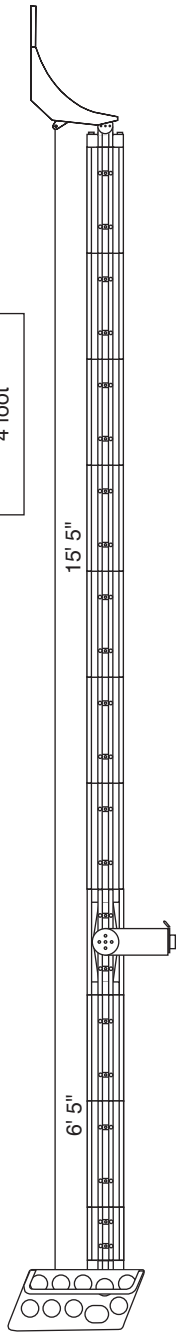
## 36. 5336

MH = 18' 1" (5.5 m)
MR = 16' 6" (5.03 m)
MP = 398 lb. (180.7 kg)
BW = 216 lb. (98.2 kg)
BAW = 703 lb. (319.5 kg)

MOW = 2,097 lb. (953.2 kg)
ROW = 1,162 lb. (528.2 kg)
BR = 1 : 2.40
PMH = 59" (1.50 m)
UW = 487 lb. (221.4 kg)

Blue Center Cable Uses
16 foot
4 foot

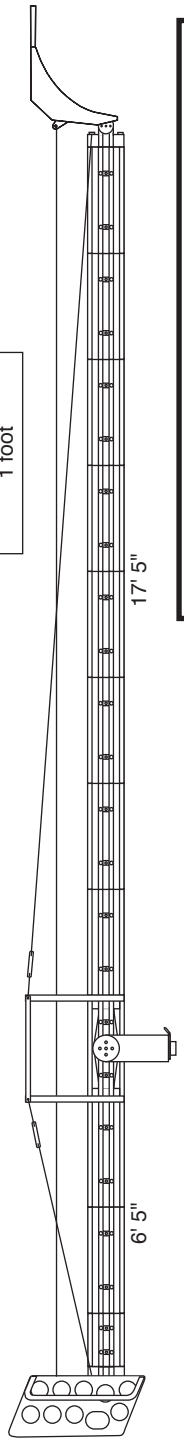



## 37. 5370

MH = 19' 9" (6 m)
MR = 18' 6" (5.64 m)
MP = 323 lb. (146.6 kg)
BW = 282 lb. (128.2 kg)
BAW = 835 lb. (379.5 kg)

MOW = 2,085 lb. (947.7 kg)
ROW = 1,335 lb. (606.8 kg)
BR = 1 : 2.71
PMH = 59" (1.50 m)
UW = 559 lb. (254 kg)

Blue Center Cable Uses
16 foot
5 foot
1 foot



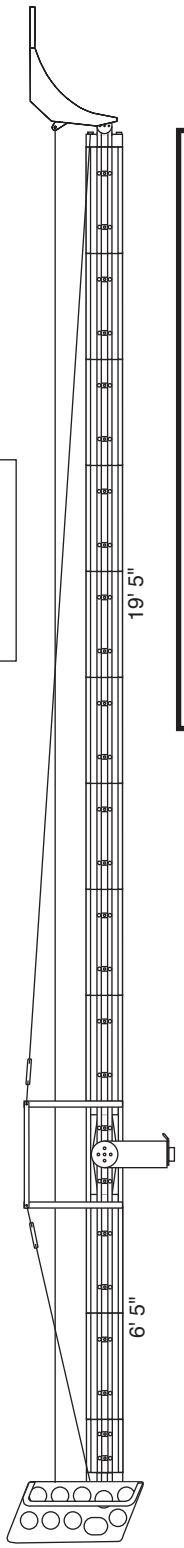

| CABLES | |
|---|---|
| Rear | Front |
| 2 - 1/4" Yellow Cables - 38" long<br>2 - 1/4" Yellow Cables - 12" long | 1 - 1/4" White Cable - 14' 8" long<br>1 - 1/4" Red Cable - 14' 8" long |

## 38. 5371

MH = 21' 5" (6.5 m)
MR = 20' 6" (6.25 m)
MP = 257 lb. (116.7 kg)
BW = 382 lb. (173.6 kg)
BAW = 967 lb. (439.5 kg)

MOW = 2,035 lb. (925 kg)
ROW = 1,511 lb. (686.8 kg)
BR = 1 : 3.03
PMH = 59" (1.50 m)
UW = 589 lb. (268 kg)

Blue Center Cable Uses
16 foot
8 foot




| CABLES | |
|---|---|
| Rear | Front |
| 2 - 1/4" Yellow Cables - 38" long<br>2 - 1/4" Yellow Cables - 12" long | 1 - 1/4" White Cable - 14' 8" long<br>1 - 1/4" Red Cable - 14' 8" long<br>1 - 1/4" White Cable - 2' long<br>1 - 1/4" Red Cable - 2' long |



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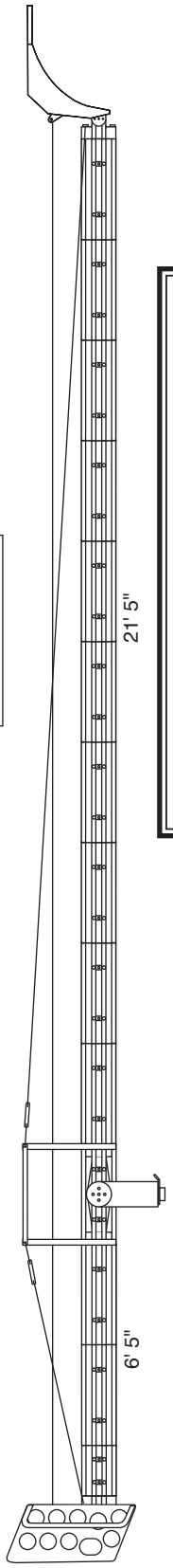
## 39. 5372

MH = 23' 1" (7 m)
MR = 22' 6" (6.9 m)
MP = 205 lb. (93.1 kg)
BW = 501 lb. (227.7 kg)
BAW = 1,117 lb. (507.7 kg)

MOW = 2,028 lb. (921.8 kg)
ROW = 1,703 lb. (774.1 kg)
BR = 1 : 3.34
PMH = 59" (1.50 m)
UW = 619 lb. (281 kg)

Blue Center Cable Uses

| |
|---|
| 16 foot |
| 8 foot |
| 2 foot |




| CABLES | |
|---|---|
| Rear | Front |
| 2 - 1/4" Yellow Cables - 38" long<br>2 - 1/4" Yellow Cables - 12" long | 1 - 1/4" White Cable - 14' 8" long<br>1 - 1/4" Red Cable - 14' 8" long<br>1 - 1/4" White Cable - 2' long<br>1 - 1/4" Red Cable - 2' long |

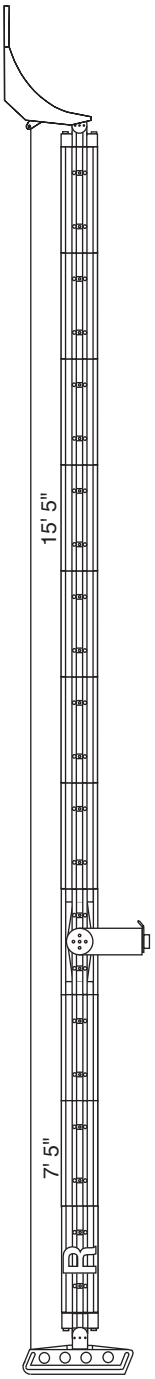
## 40. 5340

MH = 18' 11" (5.77 m)
MR = 16' 6" (5.03 m)
MP = 166 lb. (75.3 kg)
BW = 179 lb. (81 kg)
BAW = 652 lb. (296.4 kg)

MOW = 1,241 lb. (564.1 kg)
ROW = 1,067 lb. (485 kg)
BR = 1 : 2.08
PMH = 72" (1.83 m)
UW = 473 lb. (215 kg)

Blue Center Cable Uses

| |
|---|
| 16 foot |
| 5 foot |



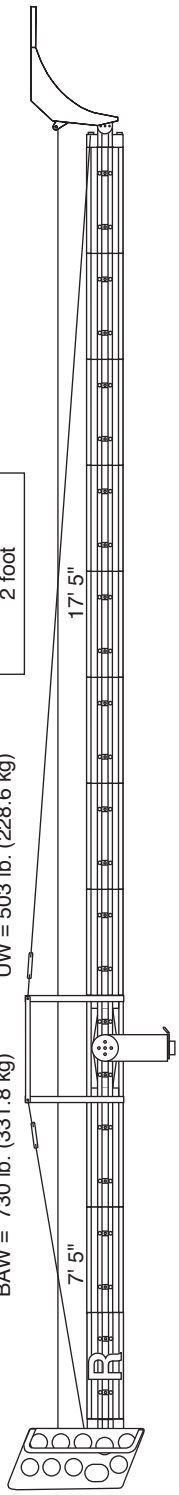

## 41. 5341

MH = 20' 7" (6.27 m)
MR = 18' 6" (5.64 m)
MP = 111 lb. (50.4 kg)
BW = 227 lb. (103.2 kg)
BAW = 730 lb. (331.8 kg)

MOW = 1,229 lb. (558.6 kg)
ROW = 1,182 lb. (537.3 kg)
BR = 1 : 2.35
PMH = 72" (1.83 m)
UW = 503 lb. (228.6 kg)

Blue Center Cable Uses

| |
|---|
| 16 foot |
| 5 foot |
| 2 foot |




| CABLES | |
|---|---|
| Rear | Front |
| 2 - 1/4" Yellow Cables - 38" long<br>2 - 1/4" Yellow Cables - 2' long | 1 - 1/4" White Cable - 14' 8" long<br>1 - 1/4" Red Cable - 14' 8" long |



Use a Qualified Operator. For Assistance Please call our 24 hour Customer Service at 1-888-883-6559.

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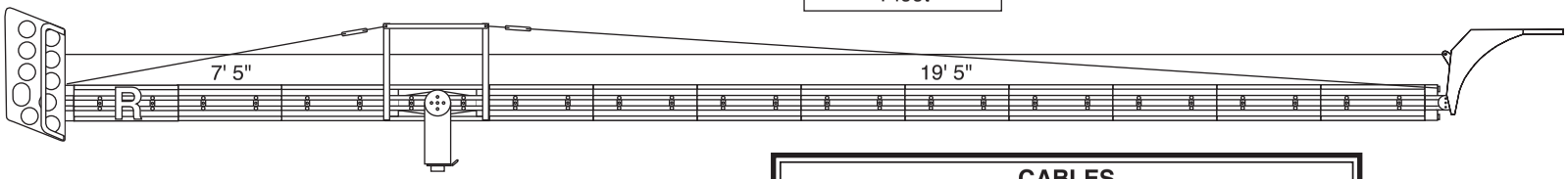
## 42. 5342

MH = 22' 3" (6.78 m)
MR = 20' 6" (6.25 m)
MP = 323 lb. (146.6 kg)
BW = 280 lb. (127.3 kg)
BAW = 836 lb. (380 kg)

MOW = 2,107 lb. (957.7 kg)
ROW = 1,325 lb. (602.3 kg)
BR = 1 : 2.62
PMH = 69" (1.75 m)
UW = 556 lb. (252.7 kg)

Blue Center Cable Uses
16 foot
8 foot
1 foot




| CABLES | |
|---|---|
| Rear | Front |
| 2 - 1/4" Yellow Cables - 38" long<br>2 - 1/4" Yellow Cables - 2' long | 1 - 1/4" White Cable - 14' 8" long<br>1 - 1/4" Red Cable - 14' 8" long<br>1 - 1/4" White Cable - 2' long<br>1 - 1/4" Red Cable - 2' long |

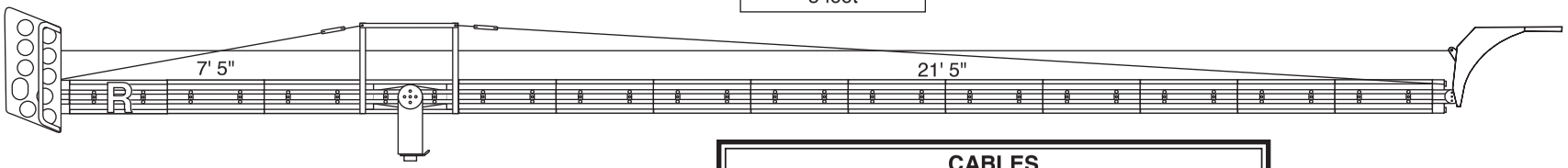
## 43. 5343

⚠ Not recommended for loads over 120 lb. (54.5 kg)

MH = 23' 11" (7.29 m)
MR = 22' 6" (6.86 m)
MP = 261 lb. (118.5 kg)
BW = 364 lb. (165.5 kg)
BAW = 950 lb. (431.8 kg)

MOW = 2,070 lb. (940.9 kg)
ROW = 1,475 lb. (670.5 kg)
BR = 1 : 2.89
PMH = 69" (1.75 m)
UW = 586 lb. (266.4 kg)

Blue Center Cable Uses
16 foot
8 foot
3 foot




| CABLES | |
|---|---|
| Rear | Front |
| 2 - 1/4" Yellow Cables - 38" long<br>2 - 1/4" Yellow Cables - 2' long | 1 - 1/4" White Cable - 14' 8" long<br>1 - 1/4" Red Cable - 14' 8" long<br>2 - 1/4" White Cable - 2' long<br>2 - 1/4" Red Cable - 2' long |

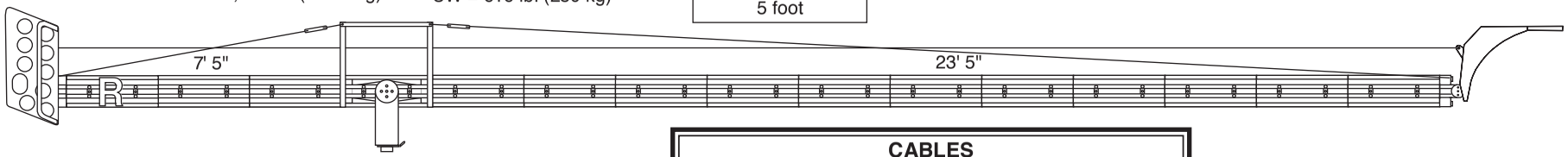
## 44. 5344

⚠ Not recommended for loads over 60 lb. (27.3 kg)

MH = 25' 6" (7.77 m)
MR = 24' 6" (7.47 m)
MP = 204 lb. (92.6 kg)
BW = 457 lb. (207.7 kg)
BAW = 1,073 lb. (487.7 kg)

MOW = 2,050 lb. (931.8 kg)
ROW = 1,637 lb. (744.1 kg)
BR = 1 : 3.16
PMH = 69" (1.75 m)
UW = 616 lb. (280 kg)

Blue Center Cable Uses
16 foot
8 foot
5 foot




| CABLES | |
|---|---|
| Rear | Front |
| 2 - 1/4" Yellow Cables - 38" long<br>2 - 1/4" Yellow Cables - 2' long | 1 - 1/4" White Cable - 14' 8" long<br>1 - 1/4" Red Cable - 14' 8" long<br>3 - 1/4" White Cable - 2' long<br>3 - 1/4" Red Cable - 2' long |

# Lenny Mini® Configurations

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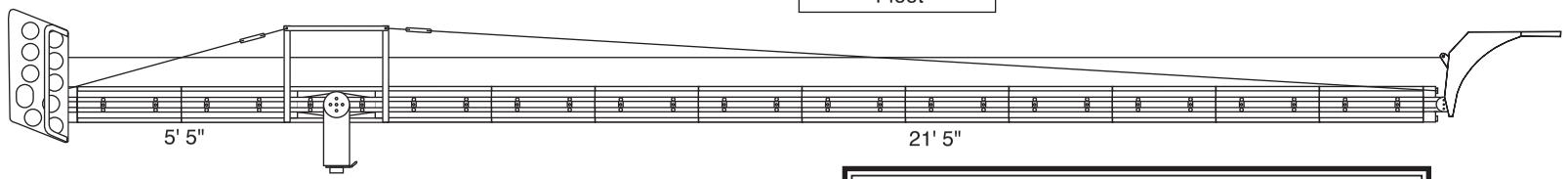
## 45. 5367

MH = 22' 3" (6.8 m)
MR = 22' 6" (6.9 m)
MP = 126 lb. (57.2 kg)
BW = 601 lb. (273.2 kg)
BAW = 1,195 lb. (543.2 kg)

MOW = 1,955 lb. (888.6 kg)
ROW = 1,863 lb. (846.8 kg)
BR = 1 : 3.95
PMH = 49" (1.24 m)
UW = 598 lb. (272 kg)

Blue Center Cable Uses
16 foot
8 foot
1 foot



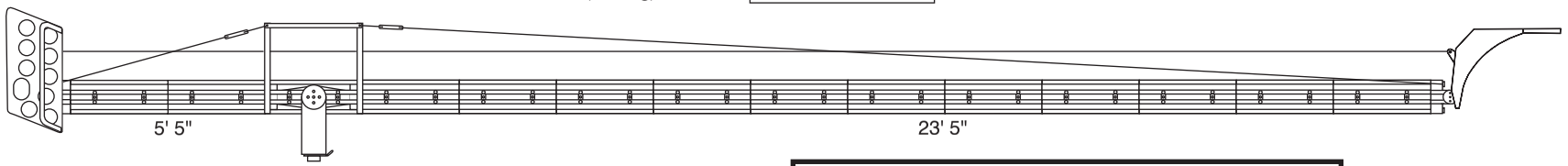

| CABLES | |
|---|---|
| Rear | Front |
| 2 - 1/4" Yellow Cables - 38" long | 1 - 1/4" White Cable - 14' 8" long<br>1 - 1/4" Red Cable - 14' 8" long<br>2 - 1/4" White Cable - 2' long<br>2 - 1/4" Red Cable - 2' long |

## 46. 5368

MH = 23' 11" (7.3 m)
MR = 24' 6" (7.5 m)
MP = 80 lb. (36.3 kg)
BW = 731 lb. (332.3 kg)
BAW = 1,356 lb. (616.4 kg)

MOW = 1,948 lb. (885.5 kg)
ROW = N/A
BR = 1 : 4.32
PMH = 49" (1.24 m)
UW = 628 lb. (285 kg)

Blue Center Cable Uses
16 foot
8 foot
3 foot



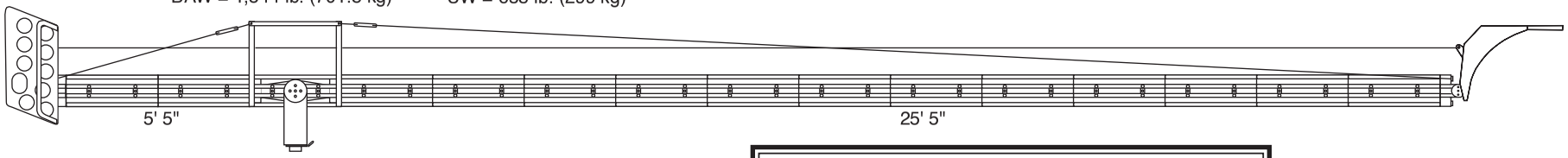

| CABLES | |
|---|---|
| Rear | Front |
| 2 - 1/4" Yellow Cables - 38" long | 1 - 1/4" White Cable - 14' 8" long<br>1 - 1/4" Red Cable - 14' 8" long<br>3 - 1/4" White Cable - 2' long<br>3 - 1/4" Red Cable - 2' long |

## 47. 5369

MH = 25' 7" (7.8 m)
MR = 26' 6" (8.08 m)
MP = 39 lb. (17.7 kg)
BW = 887 lb. (403.2 kg)
BAW = 1,544 lb. (701.8 kg)

MOW = 1,935 lb. (879.5 kg)
ROW = N/A
BR = 1 : 4.69
PMH = 49" (1.24 m)
UW = 658 lb. (299 kg)

Blue Center Cable Uses
16 foot
8 foot
5 foot




| CABLES | |
|---|---|
| Rear | Front |
| 2 - 1/4" Yellow Cables - 38" long | 1 - 1/4" White Cable - 14' 8" long<br>1 - 1/4" Red Cable - 14' 8" long<br>4 - 1/4" White Cable - 2' long<br>4 - 1/4" Red Cable - 2' long |

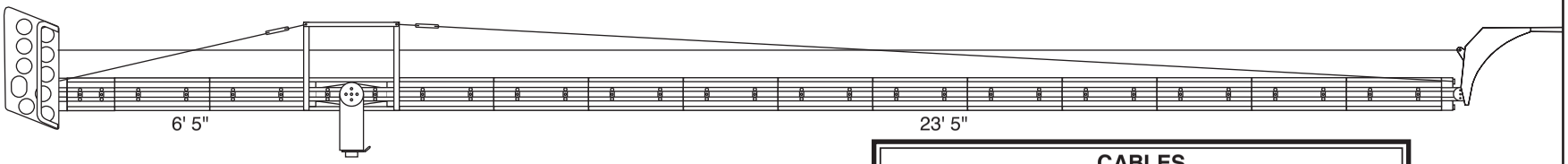
## 48. 5373

MH = 24' 9" (7.5 m)
MR = 24' 6" (7.47 m)
MP = 141 lb. (64 kg)
BW = 605 lb. (275 kg)
BAW = 1,253 lb. (569.5 kg)

MOW = 2,016 lb. (916.4 kg)
ROW = 1,880 lb. (854.5 kg)
BR = 1 : 3.65
PMH = 59" (1.50 m)
UW = 649 lb. (295 kg)

Blue Center Cable Uses

| |
|---|
| 16 foot |
| 8 foot |
| 4 foot |




| CABLES | |
|---|---|
| Rear | Front |
| 2 - 1/4" Yellow Cables - 38" long<br>2 - 1/4" Yellow Cables - 12" long | 1 - 1/4" White Cable - 14' 8" long<br>1 - 1/4" Red Cable - 14' 8" long<br>3 - 1/4" White Cable - 2' long<br>3 - 1/4" Red Cable - 2' long |

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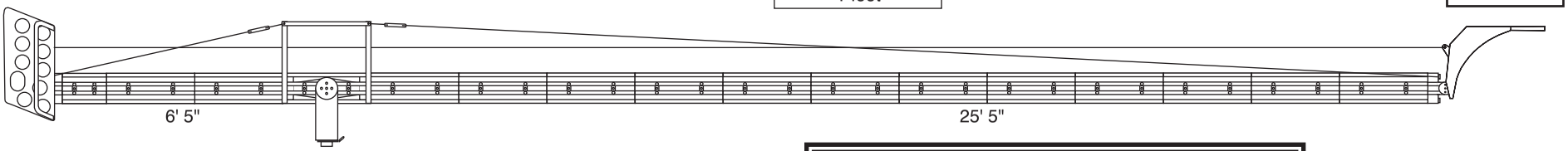
## 49. 5374

MH = 26' 5" (8.05 m)
MR = 26' 6" (8.08 m)
MP = 96 lb. (43.6 kg)
BW = 743 lb. (337.7 kg)
BAW = 1,422 lb. (646.4 kg)

MOW = 1,997 lb. (907.7 kg)
ROW = N/A
BR = 1 : 3.96
PMH = 59" (1.50 m)
UW = 679 lb. (309 kg)

Blue Center Cable Uses

| |
|---|
| 16 foot |
| 8 foot |
| 5 foot |
| 1 foot |




| CABLES | |
|---|---|
| Rear | Front |
| 2 - 1/4" Yellow Cables - 38" long<br>2 - 1/4" Yellow Cables - 12" long | 1 - 1/4" White Cable - 14' 8" long<br>1 - 1/4" Red Cable - 14' 8" long<br>4 - 1/4" White Cable - 2' long<br>4 - 1/4" Red Cable - 2' long |

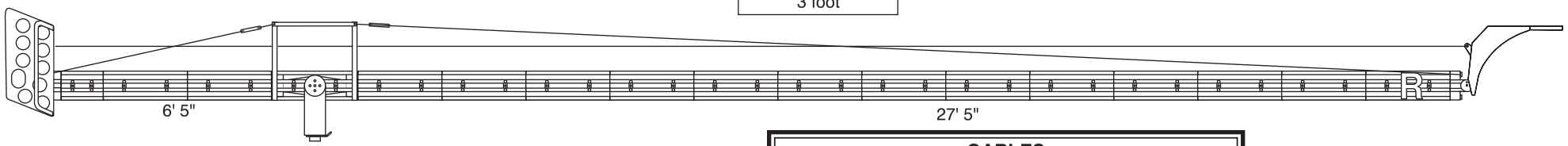
## 50. 5375

MH = 28' 2" (8.59 m)
MR = 28' 6" (8.69 m)
MP = 55.5 lb. (25.2 kg)
BW = 892 lb. (405.5 kg)
BAW = 1,602 lb. (728.2 kg)

MOW = 1,971 lb. (895.9 kg)
ROW = N/A
BR = 1 : 4.27
PMH = 59" (1.50 m)
UW = 709 lb. (322 kg)

Blue Center Cable Uses

| |
|---|
| 16 foot |
| 8 foot |
| 5 foot |
| 3 foot |




| CABLES | |
|---|---|
| Rear | Front |
| 2 - 1/4" Yellow Cables - 38" long<br>2 - 1/4" Yellow Cables - 12" long | 1 - 1/4" White Cable - 14' 8" long<br>1 - 1/4" Red Cable - 14' 8" long<br>5 - 1/4" White Cable - 2' long<br>5 - 1/4" Red Cable - 2' long |

Use a Qualified Operator. For Assistance Please call our 24 hour Customer Service at 1-888-883-6559.

# Lenny Mini® Configurations

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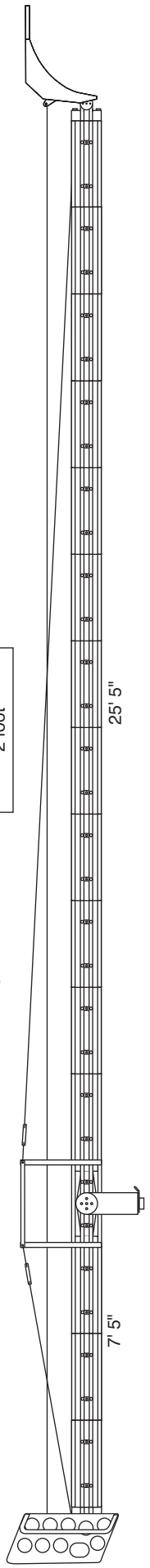



| CABLES | |
|---|---|
| Rear | Front |
| 2 - 1/4" Yellow Cables - 38" long<br>2 - 1/4" Yellow Cables - 2' long | 1 - 1/4" White Cable - 14' 8" long<br>1 - 1/4" Red Cable - 14' 8" long<br>5 - 1/4" White Cable - 2' long<br>5 - 1/4" Red Cable - 2' long |

Blue Center Cable Uses

| |
|---|
| 16 foot |
| 8 foot |
| 5 foot |
| 2 foot |

MOW = 1,935 lb. (879.5 kg)
ROW = N/A
BR = 1 : 3.4
PMH = 64" (1.63 m)
UW = 700 lb. (318 kg)

MH = 25' 7" (7.8 m)
MR = 26' 6" (8.08 m)
MP = 143.5 lb. (65.1 kg)
BW = 887 lb. (403.2 kg)
BAW = 1,544 lb. (701.8 kg)

51. 5386



Use a Qualified Operator. For Assistance Please call our 24 hour Customer Service at 1-888-883-6559.

**NOTE: If any part of this manual is faxed or transmitted to a client, this page of warnings MUST be attached.**

**WARNING:** It is not permitted and is unlawful to operate this equipment within 10 feet of High-Voltage Lines of 50,000 volts or less. For minimum clearances of High-Voltage Lines in excess of 50,000 volts, see California Code of Regulations, Title 8, Article 37, High-Voltage Electrical Safety Orders.

**WARNING:** Keep the crane arm balanced at all times. Avoid sudden disembarking of personnel or removing equipment.

**WARNING:** When attaching the Bucket Section to the Lenny Mini, be sure that the Quick Release Pin is fully seated. Then hand tighten the large knobs in the Weight Bucket to eliminate any looseness in the connection between the Weight Bucket and the arm. Tighten all the knobs equally.

**NOTE:** The stated maximum height will vary according to the Base chosen. All weights and heights are based on scale accuracy of 2%. For configurations not shown in this brochure, or questions regarding a special setup, please contact a Chapman/Leonard Service Representative.

**WARNING:** The Lenny Arm Bucket Positioning Bolts are for aligning and mounting an **EMPTY** Bucket to the rear of a Lenny Arm. As soon as a Bucket is connected to a Lenny Arm with the Positioning Bolts, the two Retaining Rods **MUST** be inserted and Knurled Nuts tightened on the Retaining Bolts.

**WARNING:** Never exceed the maximum payload values for any configuration. Chapman/Leonard Studio Equipment, Inc. will NOT guarantee the safety or performance of any alterations to the depicted arm configurations.

**WARNING:** Do not exceed the listed Post Mount Height (PMH) values to avoid invalidating our safety recommendations.

**WARNING:** The Lenny Arm rear section combination should be configured so that the bucket touches the ground before the Lenny Arm vertical travel limits are obtained.

**WARNING:** The Lenny Mini is for Remote Use ONLY! Never attempt to use as a Man Set-Up.

# SAFETY FIRST!

## WARNING

**• It is NOT Permitted and is Unlawful to Operate This Equipment Within 10 Feet of High-Voltage Line of 50,000 Volts or Less.**

**• For Minimum Clearances of High-Voltage Line in Excess of 50,000 Volts. See California Code of Regulations, Title 8, Article 37, High-Voltage Electrical Safety Orders.**

**Source Title 8, California Code of Regulations, Subchapter 5, Group 2, Article 37, §2946, 29 Code of Federal Regulations 1926.451 (F)(6)**

| Nominal Voltage | Minimum Required Clearance (Feet) | (Meters) |
|---|---|---|
| 600 up to 50,000 | 10 | 3 |
| Over 50,000 to 75,000 | 11 | 3.4 |
| Over 75,000 to 125,000 | 13 | 4 |
| Over 125,000 to 175,000 | 15 | 4.6 |
| Over 175,000 to 250,000 | 17 | 4.6 |
| Over 250,000 to 370,000 | 21 | 6.4 |
| Over 370,000 to 550,000 | 27 | 8.2 |
| Over 550,000 to 1,000,000 | 42 | 12.8 |

## Warnings Regarding the CS Base

**DO NOT** exceed the total weight capacity of the CS Base.

**DO NOT** use the tires on the CS Base as a step. The tires will turn easily if the base is raised up on the Jackscrews.

**DO NOT** use the Riser in any Manned Configurations. The Riser is for Unmanned or Remote Configurations only.

**DO NOT** mix tire types. All tires on the CS Base must be of the same type.

**DO** place the CS Base on firm ground or provide further support by adding plywood sheeting or other means.

**DO** keep any unused Weights in the Storage Areas of the CS Base. This adds to the balance and stability of the CS Base.

**DO** wear gloves when handling Weights.

**DO** use the Pneumatic Tires as a Safety Feature when the CS Base is used on track.

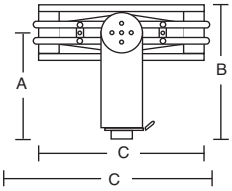
**DO** ensure the Weight Bucket is able to touch the ground when an Arm is attached to the CS Base.

The Cable System **MUST** be used on any Arm attached to the CS Base if the Auxiliary Weight Bucket is used on the Arm.

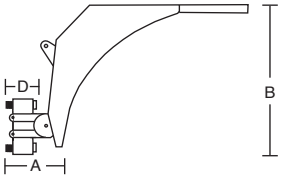
# Parts and Accessories

All weights are based on scale accuracy of 2%

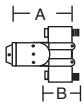
**Center Post:** 90.5 lb. (41.1 kg)
A: 15.5" (.39 m)
B: 19.3" (.49 m)
C: 24" (.61 m)
Note: Length is 25" (.64 m) including leveling rod ends



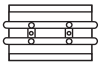

**Nose Segment + Camera Plate:** 43.5 lb. (19.7 kg)
A: 9.8" (.25 m)
B: 19.5" (.5 m)
C: 24.5" (.62 m)
D: 5" (.13 m) end to bearing



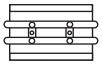

**Bucket Segment:** 17.5 lb. (7.9 kg)
A: 8" (.2 m)
B: 5" (.13 m) end to bearing



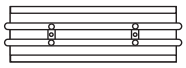

**1 Ft. (.3 m) Front Section:** 21 lb. (9.5 kg)
Note: Length is 14" (.36 m) including leveling rod ends and insert pins. (Insert pins are on left side.)



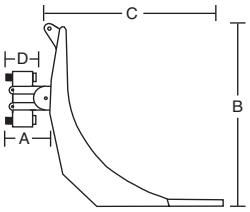
**1 Ft. (.3 m) Rear Section:** 21 lb. (9.5 kg)
Note: Length is 14" (.36 m) including leveling rod ends and insert pins. (Insert pins are on right side.)



**2 Ft. (.61 m) Front Section:** 30 lb. (13.6 kg)
Note: Length is 26" (.66 m) including leveling rod ends and insert pins. (Insert pins are on left side.)



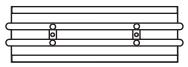
**Nose Segment + Camera Plate:** 48.5 lb. (22 kg)
A: 9.8" (.25 m)
B: 29" (.74 m)
C: 28.5" (.72 m)
D: 5" (.13 m) end to bearing




**Cable System:** 34.5 lb. (15 kg) - 43 lb. (19 kg)

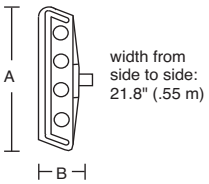
**Weight:** 27.5 lb. (12.5 kg)

**2 Ft. (.61 m) Rear Section:** 30 lb. (13.6 kg)
Note: Length is 26" (.66 m) including leveling rod ends and insert pins. (Insert pins are on right side.)

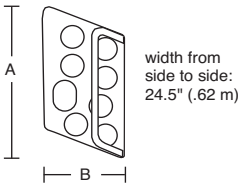


**2 Ft. (.61 m) Reversible Section:** 30.5 lb. (13.8 kg) Note: Length is 26" (.66 m) including leveling rod ends and insert pins.

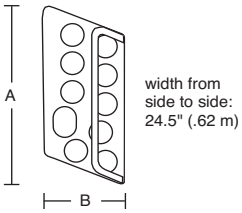

**Small Bucket:** 39.5 lb. (17.9 kg)
Total Capacity: 21 Weights - 577 lb. (262.3 kg)
A: 25" (.64 m)
B: 7.5" (.19 m)



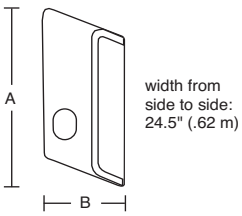

**Short Split Bucket:** 67.5 lb. (30.6 kg)
Total Capacity: 30 Weights - 825 lb. (374.6 kg)
A: 17.5" (.44 m)
B: 14" (.36 m)




**Split Bucket:** 67 lb. (30.5 kg)
Total Capacity: 44 Weights - 1,210 lb. (550 kg)
A: 29.5" (.75 m)
B: 14" (.36 m)




**Heavy Split Bucket:** 169 lb. (76.7 kg)
Total Capacity: 44 Weights - 1,210 lb. (550 kg)
A: 29.5" (.75 m)
B: 14" (.36 m)




# Terms and Definitions

**MH** = Maximum Height. (From lens to ground in underslung mode. An additional 2 to 4 feet may be achieved by inverting remote head.)

**MR** = Maximum Reach. (As measured from center post to ideal camera position.)

**MP** = Maximum Payload.

**BW** = Bucket Weight for balanced arm. (No payload.)

**BAW** = Balanced Arm Weight. (No payload.)

**MOW** = Maximum Operating Weight of unit. (With maximum payload and a full bucket.)

**ROW** = Remote Operational Weight of unit. ( With 135 lb. payload.)

**BR** = Balance Ratio. (Determines the weight required in bucket to balance a payload after arm has been balanced.)

**PMH** = Post Mount Height needed to obtain maximum height on level ground. (Do not exceed.)

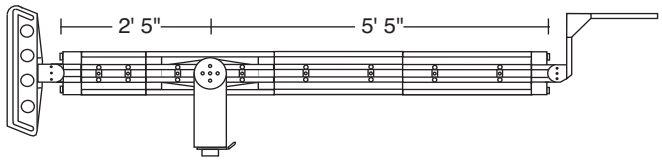
**UW** = Unit Weight.

BAW + (BR + 1) X Nose Load = Operating Weight for any given nose load.

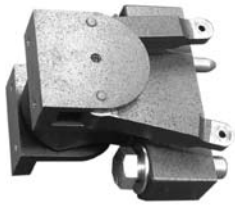
** = PeeWee, Hybrid & Hustler hydraulic arm use is possible with a 50 lb. maximum load.

*** = Hybrid and Hustler hydraulic arm use is possible with a 50 lb. maximum load.

**Ex. Figure** Diagram lengths are measured from bearing to bearing. All diagrams are drawn to scale.




Center Post
5345



Front Nose Section
5346

Rear Bucket Section
5347

1 Foot Section
5355

Overslung Nose
5455


2 Foot Reversible
Section
5358

2 Foot Rear Section
5350


Underslung Nose
5362

2 Foot Front Section
5348



Use a Qualified Operator. For Assistance Please call our 24 hour Customer Service at 1-888-883-6559.

# Lenny Mini® Components

Small Bucket
5351

Split Bucket
5352

Center Post Cable Bracket
5121


Cable Carrying Case
5129

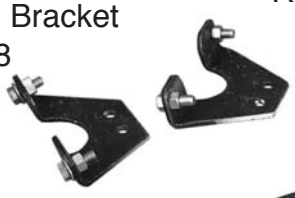
Quick Release Pin
9078

Safety Cap & 2" Bolt
4415

Lenny Mini Cart
0430

Front Cable Bracket
5428

Rear Cable Bracket
5429



Strut
4696



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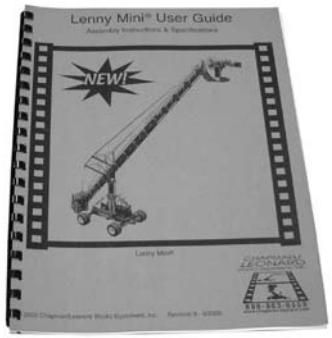
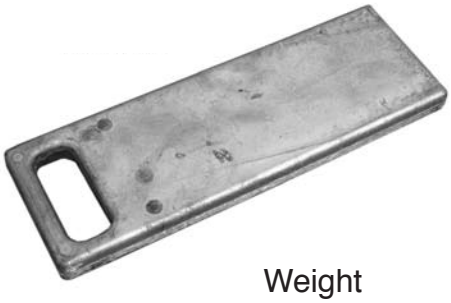



User Guide
264

1/4 Weight
6 7/8 lb.
3148

Weight Cart
400

1/2 Weight
13 3/4 lb.
3150



Weight
27 1/2 lb.
3151



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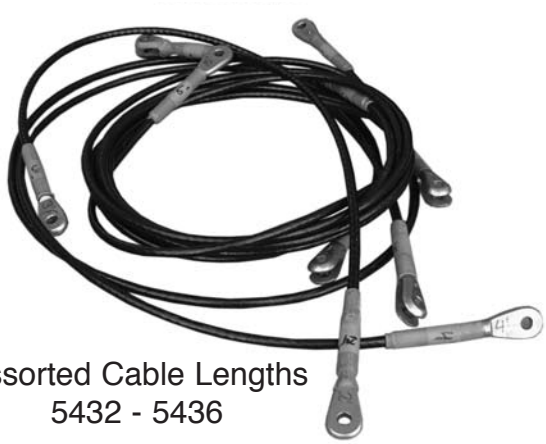
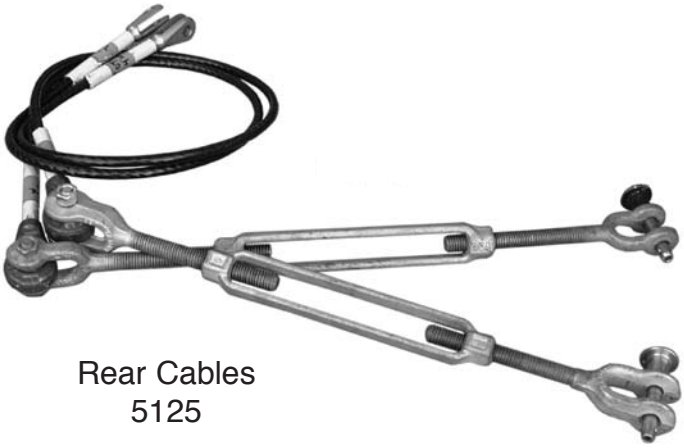


Assorted Cable Lengths
5432 - 5436



Rear Cables
5125

8 Foot Cable
5435

Bucket Quick Release Pin
5289

Front Cables
5123

Turnbuckle 1/2" x 12"
5437

2 Foot Cables
5124

Quick Release Pins
9077

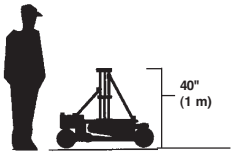
1 Foot Cables
5430



Use a Qualified Operator. For Assistance Please call our 24 hour Customer Service at 1-888-883-6559.

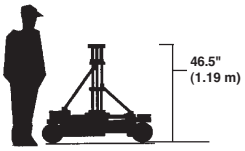
# LENNY MINI IS FOR REMOTE USE ONLY

## The Lenny Mini can be mounted on these Chapman/Leonard products:



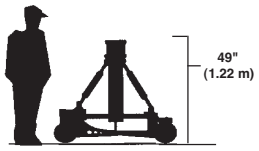

### Super Peewee®
(With High Post Kit)

**MAXIMUM PAYLOAD = 1,100 lb. (500 kg)**
**Operating Weight of unit = 386 lb. (175 kg)**
**Min. Carrying Wt. of unit = 280 lb. (127 kg)**



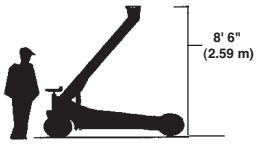

### Hybrid
(With High Post Kit)

**MAXIMUM PAYLOAD = 1,900 lb. (863 kg)**
**Operating Weight of unit = 501 lb. (227 kg)**
**Min. Carrying Wt. of unit = 395 lb. (180 kg)**




### Hy Hy®
(With 7.5" riser)

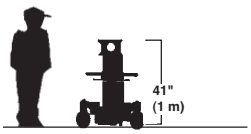
**MAXIMUM PAYLOAD = 2,900 lb. (1,318 kg)**
**Operating Weight of unit = 325 lb. (148 kg)**
**Minimum Carrying Weight of unit = 260 lb. (118 kg)**




### Olympian

**MAXIMUM PAYLOAD = 1,700 lb. (795 kg)**

**Weight of unit = 1,790 lb. (813 kg)**

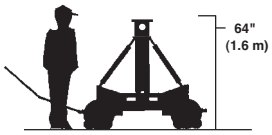



### Pedolly® Chassis
(with Center Post Insert)

**MAXIMUM PAYLOAD = 1,100 lb. (500 kg)**
**Weight of unit = 248 lb. (112 kg)**
**Minimum carrying weight = 224 lb. (102 kg)**


### ATB Base
(7.5" riser optional)

**MAXIMUM PAYLOAD = 5,500 lb. (2,500 kg)**
**Weight of unit = 2,339 lb. (1,063 kg)**



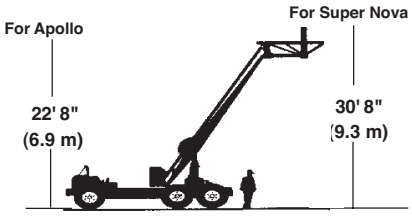

### CS Base®
(With 7.5" riser)

**MAXIMUM PAYLOAD = 5,500 lb. (2,500 kg)**
**Operating Weight of unit = 771 lb. (350 kg)**
**Min. Carrying Wt. of unit = 302 lb. (137 kg)**


### Camera Car Mount
(7.5" riser optional)

**MAXIMUM PAYLOAD = 3,300 lb. (1,519 kg)**

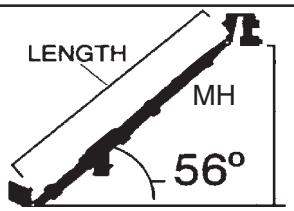
**Weight of unit = 515 lb. (237 kg)**




### Mobile Crane

**For SUPER NOVA/APOLLO With Platform and 2 Ft. riser: MAXIMUM PAYLOAD = 2,700 lb. [1,227 kg).Platform at 1/2 circle weighs 285 lb. (131 kg). Platform at full circle weighs 412 lb. (189 kg). These weights, depending on application, are deducted from Maximum Payload. Subtract 8 Ft. (2.4 m) for Apollo height.**

The maximum height for the LENNY MINI is calculated by using the bearings at both ends of the arm as points of reference. Assuming that the arm is at its maximum angle of elevation (56°) and that the arm touches the ground, the maximum height is calculated by multiplying the arm length by sin56° (.829). The forward bearing height is approximately the same as the camera lens height when the camera is underslung. Additional height can be achieved by the use of risers or by overslinging.




The maximum payloads and operational weights for the LENNY MINI have been calculated using a CAMERA PLATE (7 lb.) and NOSE SEGMENT (18 lb.). Please consider these facts while deciding which configuration is to be chosen for a given task.

**To calculate specific operational weight for any given configuration, please use the following formula:**

| | | | | | | |
|---|---|---|---|---|---|---|
| **Specific Operational = Weight** | **BAW** (Balanced arm weight, no payload.) | **+** | **payload** (camera weight, risers, etc.) | **+** | **payload x balance ratio** (Weight in bucket required to balance the given payload.) | |

**SPECIFIC OPERATIONAL HEIGHT ON ELEVATED PLATFORMS =**

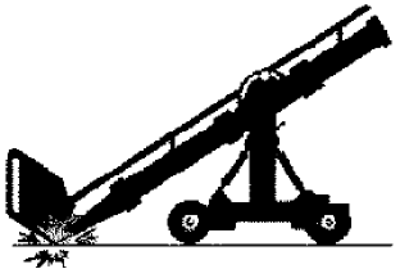
| | | | | |
|---|---|---|---|---|
| PLATFORM MOUNT HEIGHT (Ground to mount) | + | FORWARD LENGTH OF ARM x .829 (Center post to fwd. bearing) | + | 1.1 Ft. (.35 m) (Center post bearing to mount) |

**Actual Height (H) = MH - (PMH x BR - Actual Mount Height x BR)**

***Warning:*** Never exceed the maximum payload values for any configuration. Chapman/Leonard Studio Equipment, Inc. will **NOT** guarantee the safety or performance of any alterations to the depicted arm configurations.

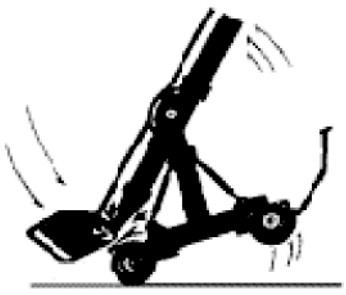
# Lenny Mini® Triple Cable System Checklist

| Quantity | Item Description |
|---|---|
| 2 | 15 foot Front Cable |
| 10 | 2 foot Extension |
| 7 | Center Cable (Blue) 1', 2', 3', 4', 5'., 8' and 16' |
| 2 | 38 inch Rear Cable |
| 2 | 10 inch Rear Cable |
| 23 | Quick Release Pins, 3/8' x 1" |
| 4 | Quick Release Pins, 3/8" x 1 1/2" |
| 4 | Cable System Turnbuckle 1/2" x 6" |
| 1 | Cable System Turnbuckle 12" x 1/2" with 2 Bolts and Nuts 1 1/2" x 3/8" |
| 2 | F/R Brackets |
| 4 | Nuts 3/8" |
| 4 | Washers 3/8" |
| 2 | Lenny Mini Center Post Brackets |
| 4 | 1/2" x 3/8" Bolt (Bracket) |
| 2 | Center Post Spreaders |
| 1 | Carrying Case |
| 1 | Lenny Mini User Guide |



Bucket reaches ground
(RECOMMENDED)

The Lenny Arm rear section combination should be configurated so that the bucket touches the ground before the Lenny Arm vertical travel limits are obtained.



Bucket does not reach ground
(NOT RECOMMENDED)