



**CHAPMAN/LEONARD**  
— STUDIO EQUIPMENT INC. —

## **Stinger II Jib Arm**

**User Manual**

Operational Instructions & Specifications

# Stinger II Jib Arm

User Manual

Operational Instructions & Specifications

Edition 15

**CHAPMAN**

## Chapman/Leonard Certified Locations

### Main Office

12950 Raymer Street,  
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## **Stinger II Jib Arm User Manual**

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The Operator should be qualified to operate  
equipment as expressed in this manual.

For assistance please call our 24-hour  
Customer Service.

**+1 (888) 883-6559**  
**chapman-leonard.com**

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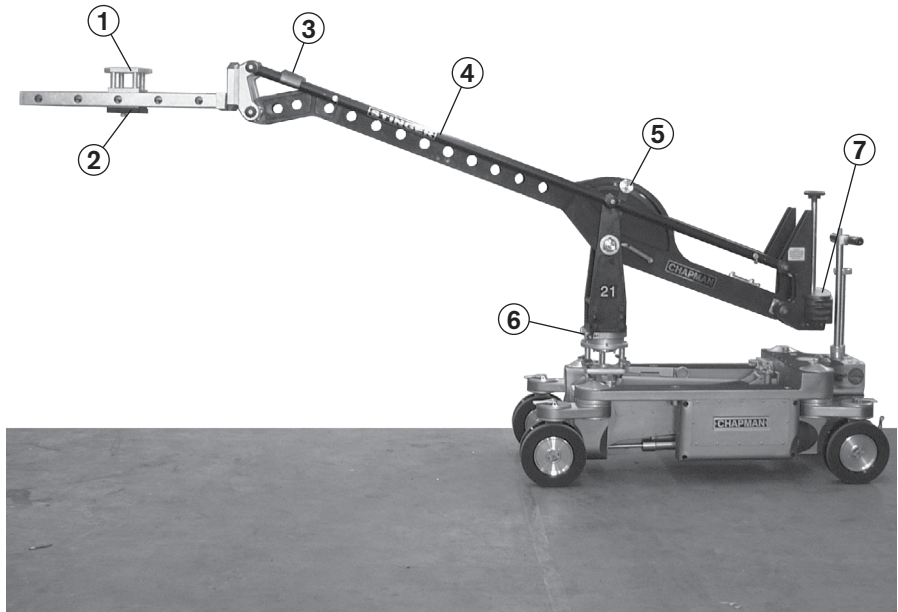
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**Features****Stinger II Jib Arm****Stinger Jib Arm Features**

1. Comes assembled (In full configuration upon request) and ready for use allowing quick setup or in its own special cart for easy transport and storage in the smallest configuration of the Arm.
2. Every rental comes with all the parts for any configuration. (see pages 21-29 for all configurations of the Stinger II Jib Arm.)
3. Compact and lightweight arm.
4. Stinger Arm Glide System allows up to 2 ft. of horizontal travel.
5. Black Anodized Arm for easy maintenance.
6. Works on Super PeeWee® IV, Hustler™ IV and Hybrid™ Camera Dollies, along with a variety of bases. (see page 30)
7. Precision design for rigidity without the need for cabling system.
8. A variety of counter balance weights available from 5 lb to 25 lb.
9. Precision design weights are contoured and shaped on a radius to follow the arc of the arm.
10. Stinger Arm Glide System has drag control.
11. Cushioned stops with dampening points at top and bottom travel of the arm.
12. Fluid dampening system resulting in zero backlash.
13. 360 degree continuous pan travel.
14. The Stinger™ Jib Arm has a maximum reach of 12 feet (from the Fulcrum).
15. Works with a variety of heads (including remote camera systems).
16. Designed to work within tight areas.

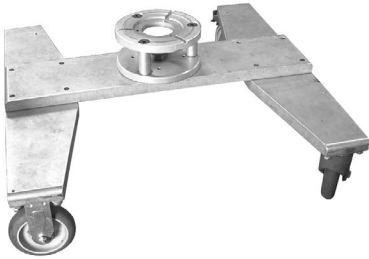
- 1 Mitchell Mount
- 2 Glide Head  
Compatible with a variety of heads.
- 3 Removable Slider Weight  
For Fine Tune Balancing
- 4 Leveling Rod
- 5 Tilt Drag Control
- 6 Pan Drag Control
- 7 5, 10 & 25 lb Contoured Weights  
Require less space during movement



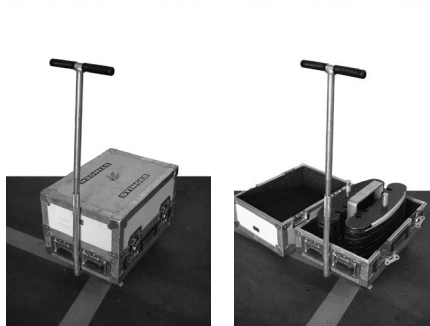
See page 30 for other mounting options.

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## Transporting the Stinger Jib Arm



Mobile storage base for the Stinger II Jib Arm (with Mitchell Mount).



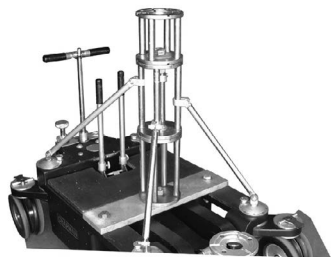
A mobile weight case with 425 lb of weights comes with every Stinger Jib Arm.

Each Arm comes with **four 5 lb weights, two 10 lb weights, and seventeen 25 lb weights.**



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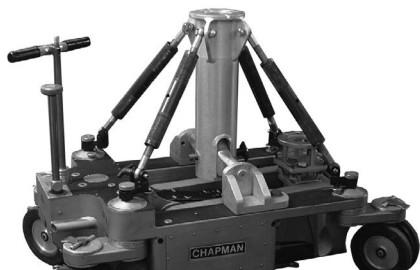
Mounting Bases for the Stinger II Jib Arm  
Configuration



Standard High Post Mount setup.



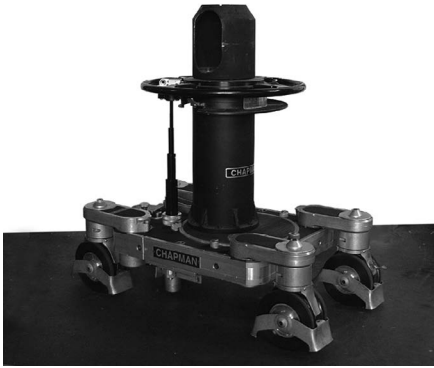
Stinger II Arm in the Cam-Mate configuration.



Hybrid dolly with Leveling High Post kit.

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### Pedolly Mount for the Stinger Jib Arm Configuration



The Pedolly with its column removed and a Center Post Insert attached.



Before mounting the Stinger™ Jib Arm on the Center Post Insert, all legs **MUST** be in the 45 degree configuration. This will provide maximum stability for the base.



Use the special Castle Ring Wrench to tighten the Castle Ring.

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### Overlung to Underslung Mode Configuration



To switch the Glider from Overslung mode to Underslung mode, begin by removing the rubber cover (viewed from below).



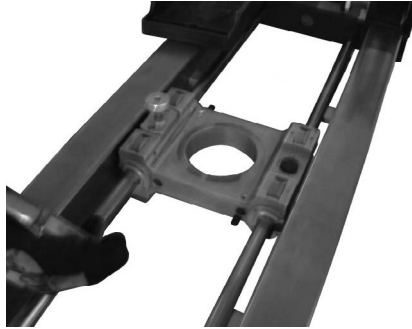
Pull down on the rubber cover to remove it from the Gliding Head.



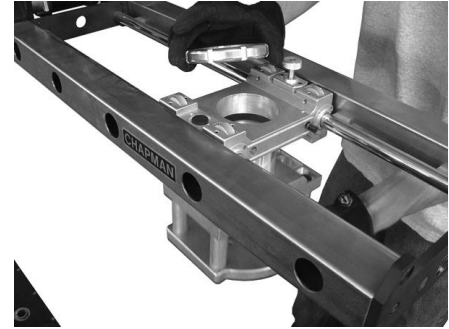
Next remove the locking ring.



Separate the Mitchell Mount Head from the Glider Mechanism.



The Glider Mechanism shown with the Mitchell Mount Head removed.



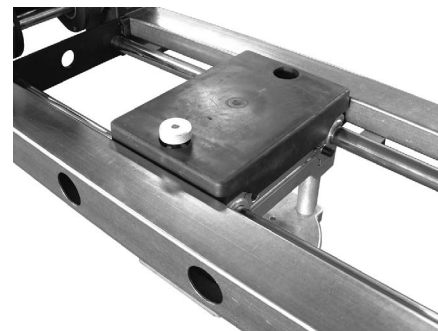
Position the Mitchell Mount Head below the Glider Mechanism.



Raise the Mitchell Mount Head until its threads become visible above the Glider Mechanism.



Attach the locking ring to the Mitchell Mount Head.

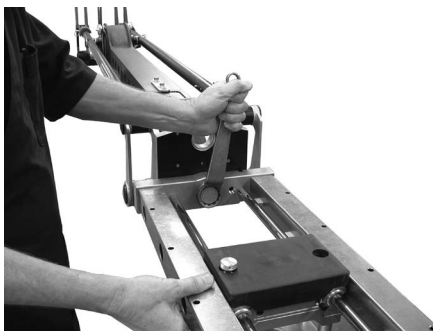


Replace the rubber cover on the Glider Mechanism. The Glider is now ready for use.

## Adding/Removing the Glide Head Assembly



Whenever extensions are added/removed from the Stinger Jib Arm, the 2 ft. Glider should be removed first. Begin by removing the Indexing Quick Release Pin.



Remove the retaining screw from the 2 ft. Glider while supporting the Glider to prevent it from falling to the ground.



The 2 ft. Glider can now be removed from the Arm.

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### Adding/Removing Arm Extensions Assembly



At this point, extensions of the Arm may be safely added or removed.



The Weight Tray Knob (thumbnail image) for the Weight Tray Rod may be stored on the Arm (pictured above) when weights are being added or removed.



Before attempting to add or remove an arm extension, remove all weights from the tray.

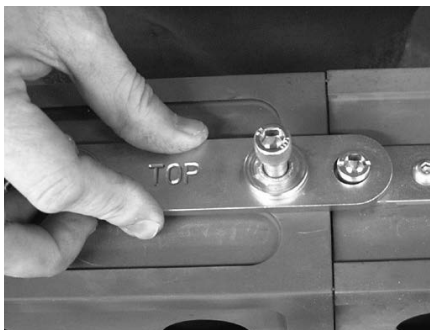
**Warning!**

Before adding or removing any section of the Stinger Jib Arm, the front Glider Section **MUST** first be removed to avoid damaging the arm.



The Splice Retainer Bar with Cam Lock ensures a tight fit between sections of the Arm. This is essential to maintaining the rigidity and stability of the Stinger Jib Arm while in operation.

When attaching an arm section, loosen the Socket Head Cap Screws enough to lift the Splice Retainer Bar over the Screw Cam Lock.



Push down on the Splice Retainer Bar until it is flush against the arm section. The Screw Cam Lock may have to be turned slightly to allow the Splice Retainer Bar to fit properly against the Arm.

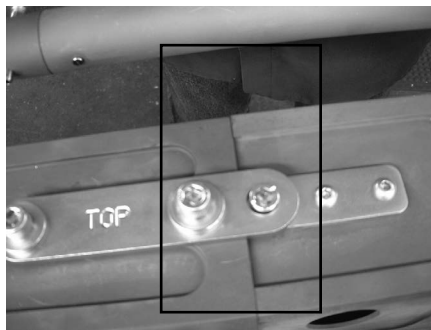


Tighten the Socket Head Cap Screws, then loosen both Socket Head Cap Screws one full turn. This is enough to allow the fit between the arm sections to be adjusted.





Next, tighten the **Screw Cam Lock** to draw the arm sections together. Less than half a turn of the **Screw Cam Lock** is necessary.



As shown here, the visible gap between the arm sections has been eliminated.



The final step is to tighten both **Socket Head Cap Screws**. Excessive torque is not required.

Disassembling the Stinger Jib Arm sections is simply the reverse of the above procedure.

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## Stinger Jib Arm Configurations

### Terms & Definitions

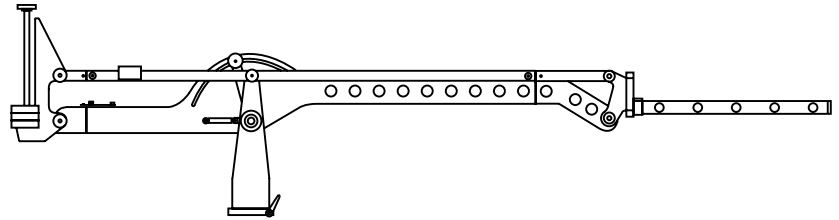
*For Configurations not shown in this brochure, or questions regarding a special setup, Please Contact a Chapman/Leonard Service Representative.*

- MH** Maximum Height (from lens to ground in underslung mode. Additional height 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 Operational Weight of unit. (with 135 lb payload).
- ROW** Remote Operational Weight of unit. (with maximum payload and a full weight bucket).
- BR** Balance Ratio (determines the amount of weight required in bucket to balance a given payload after arm itself has been balanced).
- PMH** Post Mount Height needed to obtain maximum height on level ground. (not to be exceeded).
- UW** Unit Weight.
- IMD** Ideal Camera Mount Distance (from the bearing to the Camera Mount).
- BAW + (BR + 1) Nose Load**  
Operating Weight for any given nose lead.

Stinger Jib Arm Configurations  
Configuration

Configuration #1

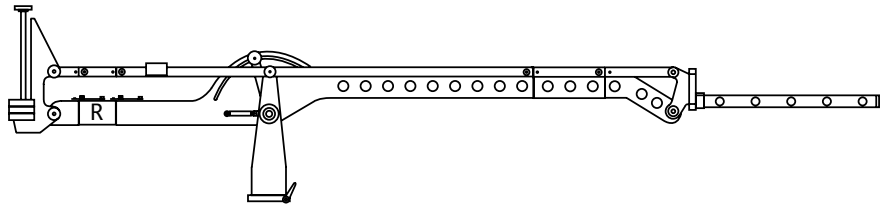
MH	74" (6' 2")
MR	88" 7'4"
MP	166 lb.
BW	105 lb.
BAW	308 lb.
MOW	799 lb.
BR	2:1
UW	203 lb.



No Added Sections

**Configuration #2**

MH	80" (6' 8")
MR	100" (8' 4")
MP	166 lb.
BW	85 lb.
BAW	300 lb.
MOW	812 lb.
BR	2:1
UW	215.5 lb.

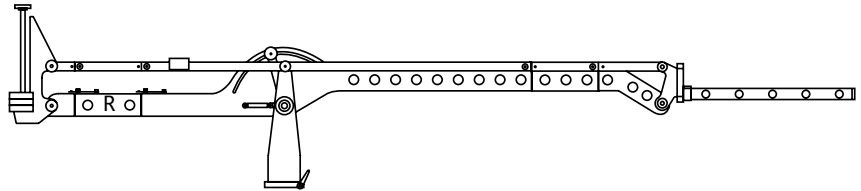


1 ft. Section - Front

6 in. Section - Rear

**Configuration #3**

MH	80" (6' 8")
MR	100" (8' 4")
MP	209 lb.
BW	65 lb.
BAW	284 lb.
MOW	858 lb.
BR	1.7:1
UW	219 lb.

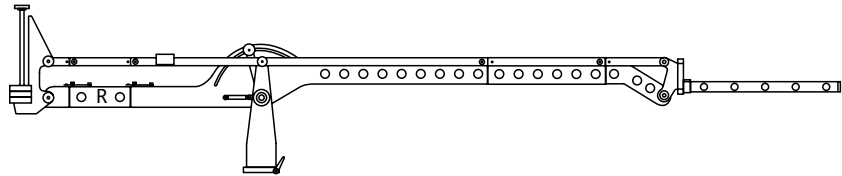


1 ft. Section - Front

1 ft. Section - Rear

**Configuration #4**

MH	92" (7' 8")
MR	112" (9' 4")
MP	166 lb.
BW	90 lb.
BAW	313 lb.
MOW	819 lb.
BR	2:1
UW	222.5 lb.

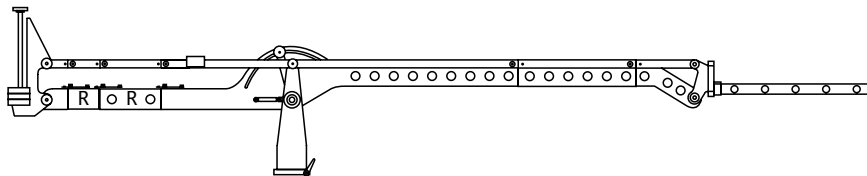


2 ft. Section - Front

1 in. Section - Rear

**Configuration #5**

<b>MH</b>	92" (7' 8")
<b>MR</b>	112" (9' 4")
<b>MP</b>	204 lb.
<b>BW</b>	65 lb.
<b>BAW</b>	292 lb.
<b>MOW</b>	861 lb.
<b>BR</b>	1.75:1
<b>UW</b>	227 lb.



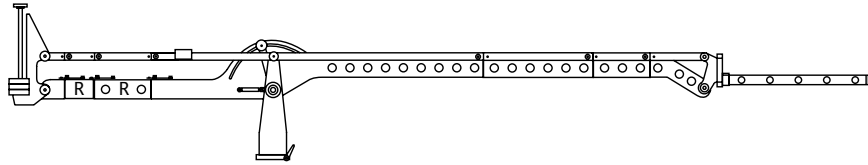
2 ft. Section - Front

1 ft. Section - Rear

6 in. Section - Rear

**Configuration #6**

<b>MH</b>	98" (8' 2")
<b>MR</b>	124" (10' 4")
<b>MP</b>	164 lb.
<b>BW</b>	90 lb.
<b>BAW</b>	325 lb.
<b>MOW</b>	829 lb.
<b>BR</b>	2:1
<b>UW</b>	235 lb.



2 ft. Section - Front

1 ft. Section - Front

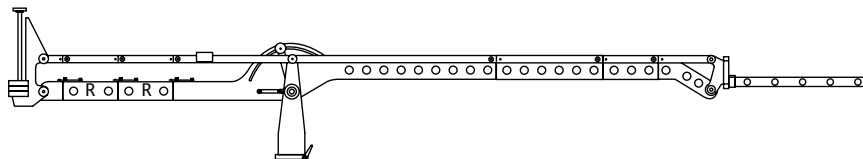
1 ft. Section - Rear

6 in. Section - Rear



**Configuration #7**

<b>MH</b>	98" (8' 2")
<b>MR</b>	124" (10' 4")
<b>MP</b>	194 lb.
<b>BW</b>	75 lb.
<b>BAW</b>	314 lb.
<b>MOW</b>	863 lb.
<b>BR</b>	1.8:1
<b>UW</b>	238.5 lb.



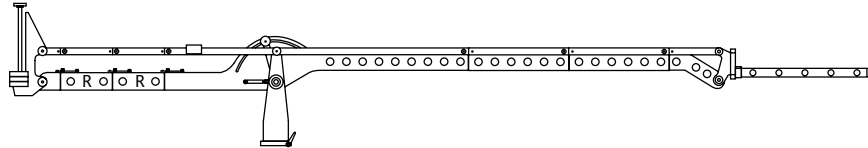
2 ft. Section - Front

1 ft. Section - Front

1 ft. Section (x2) - Rear

**Configuration #8**

<b>MH</b>	104" (8' 8")
<b>MR</b>	136" (11' 4")
<b>MP</b>	159 lb.
<b>BW</b>	100 lb.
<b>BAW</b>	347 lb.
<b>MOW</b>	836 lb.
<b>BR</b>	2:1
<b>UW</b>	246.5 lb.

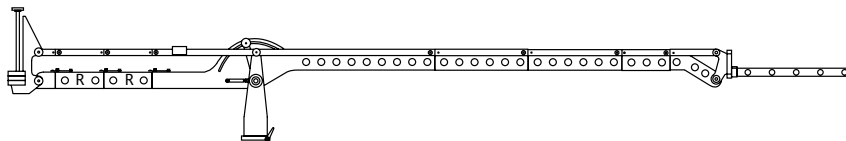


2 ft. Section (x2) - Front

1 ft. Section (x2) - Rear

**Configuration #9**

<b>MH</b>	110" (9' 2")
<b>MR</b>	148" (12' 4")
<b>MP</b>	131 lb.
<b>BW</b>	125 lb.
<b>BAW</b>	375 lb.
<b>MOW</b>	811 lb.
<b>BR</b>	2.24:1
<b>UW</b>	250 lb.



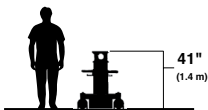
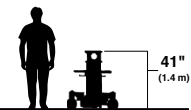
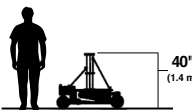
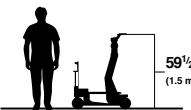
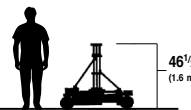
2 ft. Section (x2) - Front


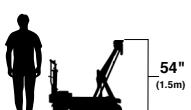
1 ft. Section - Front

1 ft. Section (x2) - Rear

Mounting Options

The Stinger can be mounted on these Chapman/Leonard products:

 <p><b>LenCin<sup>®</sup></b> (With Center Post Insert)</p> <p>MAXIMUM PAYLOAD = 1,100 lb. (499 kg) Operating Weight of Unit = 245 lb. (111 kg) Minimum Carrying Weight of Unit = 164 lb. (75 kg)</p>	 <p><b>Pedolly<sup>®</sup></b> (With Center Post Insert)</p> <p>MAXIMUM PAYLOAD = 1,100 lb. (499 kg) Operating Weight of Unit = 305 lb. (139 kg) Minimum Carrying Weight of Unit = 224 lb. (102 kg)</p>	 <p><b>PeeWee<sup>®</sup></b> (With High Post Kit)</p> <p>MAXIMUM PAYLOAD = 1,100 lb. (499 kg) Operating Weight of Unit = 386 lb. (175 kg) Minimum Carrying Weight of Unit = 280 lb. (127 kg)</p>	 <p><b>Super PeeWee<sup>®</sup> IV</b></p> <p>MAXIMUM PAYLOAD = 350 lb. (159 kg) Operating Weight of Unit = 391 lb. (178 kg) Minimum Carrying Weight of Unit = 295 lb. (134 kg)</p>	 <p><b>Hybrid Series</b> (With High Post Kit)</p> <p>MAXIMUM PAYLOAD = 1,900 lb. (862 kg) Operating Weight of Unit = 501 lb. (227 kg) Minimum Carrying Weight of Unit = 395 lb. (179 kg)</p>
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	 <p><b>Hy Hy<sup>®</sup></b> (With 7.5" Riser)</p> <p>MAXIMUM PAYLOAD = 2,900 lb. (1,316 kg) Operating Weight of Unit = 325 lb. (148 kg) Minimum Carrying Weight of Unit = 260 lb. (118 kg)</p>		 <p><b>Hustler<sup>™</sup> IV</b></p> <p>MAXIMUM PAYLOAD = 750 lb. (340 kg) Operating Weight of Unit = 505 lb. (229 kg) Minimum Carrying Weight of Unit = 465 lb. (211 kg)</p>	
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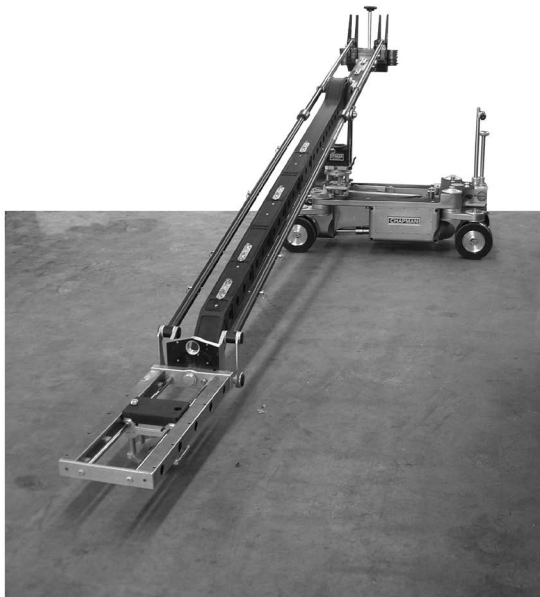
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Virtually Maintenance Free Arm

Wipe down the rollers after every use.

For Configurations not shown in this brochure, or questions regarding a special setup, Please contact a Chapman/Leonard Service Representative.

The reach of the Stinger Jib Arm offers an incredible range of movement.



## Shipping & Rental Return

The customer should be sure that the equipment is properly crated for shipment. Get a signed receipt from the shipping company that will be transporting the equipment. Keep the receipt from the transport company indicating that the equipment has been shipped to **Chapman/Leonard Studio Equipment, Inc.**

When picking up or returning rental gear to Chapman/Leonard Studio Equipment, Inc., please remember that **rentals are due back by 10 a.m. at our North Hollywood facility.**

The rental bays are located on your left, immediately after entering the facility from Raymer Street. Trucks should be backed up to the bays for easier loading. If no bays are available, you can temporarily park on Raymer Street and advise the Rental Office of your arrival. A Customer Service Agent will advise you when a spot opens at the bay.

All drivers should first report to the Rental Staff for paperwork. Unloading will not begin until the paperwork has been picked up and stamped. Our Rental Staff is well trained to process equipment and documents quickly and courteously. It is our intent to get you back on the road in a timely manner.

### Address

Chapman/Leonard Studio Equipment, Inc.  
12950 Raymer Street  
North Hollywood, CA 91605

### Rental Office Hours

Monday - Friday	7am - 6pm
Saturdays	8am - 12 pm







**CHAPMAN/LEONARD**  
— STUDIO EQUIPMENT INC. —