

# MovieTech

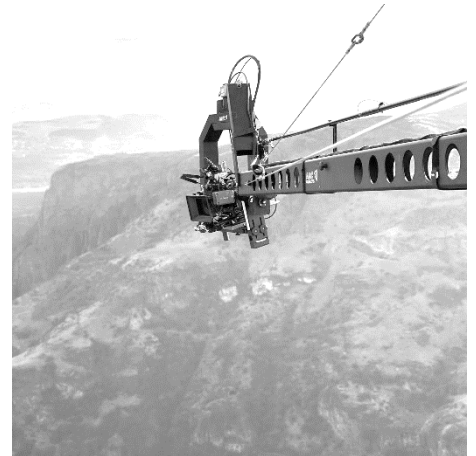
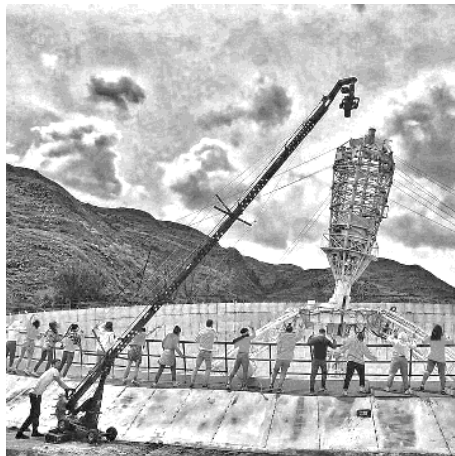
GRIP EQUIPMENT YOU CAN RELY ON!



## CRANE 120 TECHNICAL USER GUIDE

Version: 10/2022

Language: English



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## 1. Introduction

We are very glad that you decided to work with our MovieTech / ABC Crane 120 System.

We hope you enjoy it as much as we do !

Everyone at MovieTech is passionate about grip equipment. In case you have useful feedback for us or you have a question concerning our products, please do not hesitate a second to contact us – we´re gladly there for you!

To make your experience with this crane most enjoyable, please follow these instructions carefully. Any camera crane is only as safe as the person operating it.

These are our contact details:

**MovieTech AG**  
Martin-Kollar-Str. 9  
80801 Munich – Germany  
+49 (0) 89 /436 891 3 | info@movietech.de



All the best,  
Your MovieTech Team.



## 2. General Information

### 1) Intended use:

The Crane 120 is a mobile camera crane system which shall only be used to carry cameras remote heads for use in motion picture productions in a stationary position (on levelling legs) or on tracks (with track wheels). The crane system may not be used for any purpose other than that specified.

The Crane 120 System is a product family that can be set up in various different assembly versions. This user manual describes the most common configurations. Configurations that are not described in this user manual require prior configuration of the MovieTech technical department. Components of other Camera Crane Types may not be combined with any component of the Crane 120 System family.

Please carefully read and understand the following safety instructions and set up manual before use of the equipment! Operating the crane system can be dangerous when the safety instructions as follows are not strictly taken care of. The Crane may only be set-up by trained and skilled staff and in accordance to the instructions as follows.

### 2) Product details

<b>Product:</b>	<b>MovieTech Crane 120</b>	
Manufacturer:	MovieTech AG Martin-Kollar-Str. 9 D- 80801 München +49 (0) 89 /436 891 3	
Payload:	Depending on version (see following pages)	
Material:	Aluminum (mainly), stainless steel, synthetic materials	
Surface treatment:	Powder coating, anodization, HART-COAT®	
Year of construction:		
Version:		
Serial no.:		
Purchaser:	Company:	
	Address:	
	Contact details:	
	Contact person:	

### 3) Warranty

All parts have a warranty period of 12 months, beginning on the date of delivery.

**Caution:** Any warranty expires if operating and maintenance instructions are not strictly followed. The same applies if any changes are made to the product, if parts of the equipment are replaced with external parts, or if the equipment is handled improperly.

The purchaser undertakes to exempt us from any claims for compensation which might arise on the part of third parties vis-à-vis us, whether resulting from putting into service or from using the equipment. The purchaser must inform our customer service management in writing about any discernible defects without delay – at the latest, however, within one week after receipt of the delivered item. Defects which do not become discernible within this period, even after careful examinations, must be reported to MovieTech by the purchaser in writing immediately after discovery. In the event that the purchaser should report that the products do not correspond to the warranty, we may require at our discretion that either

- the defective equipment or the defective part is to be sent to MovieTech for repair and subsequent return, or
- the purchaser keeps the defective equipment or the defective part available, and we shall commission an expert who will be sent to carry out the repair.

Transport cost and travelling expenses incurred for the purpose of remedying defects shall be borne by the purchaser. Defects which occur to the equipment as a result of natural wear and tear are not covered by the warranty. When asserting claims under warranty, it is the duty of the purchaser to prove that the defects were not caused by any circumstance which are among the risks within his sphere of responsibility (such as transport damage, improper operation, etc.). Any further claims in particular claims for damages for direct or indirect damage are excluded. If after an appropriate time it is not possible to remedy the defect, the purchaser may at his discretion demand a reduction of the payment or cancellation of the contract. Only the direct purchaser shall be entitled to make warranty claims against MovieTech; such claims are not assignable.

### 3. EU – Declaration of conformity



- Declaration of Conformity

Company: MovieTech AG  
Martin-Kollar-Str. 9  
DE 81829 München

We hereby certify that the following described machine in its conception, construction and form put by us into circulation is in accordance with all the relevant essential health and safety requirements of the EC machinery directive.

**This declaration is no longer valid if the machine is modified without our consent.**

**Camera Crane System**

**Type: Crane 120**

Appropriate regulations: DIN EN ISO 12100  
Richtlinie für Veranstaltungs- und Produktionsstätten für szenische  
Darstellung (VGB 70) entspricht.  
DGUV V17 (formerly BGVC1)  
DIN 15999

A handwritten signature in blue ink, appearing to read 'Sebrant'.

München, 2021/03/01

## 4. Safety Guidelines



- Training for a safe operation of the system is offered by Movie Tech. Contact us +49 (0) 89 436 89 1 3
- Two people are required to set up the crane. Personnel must wear safety shoes, since the counterweights can present a particular danger if they fall.
- Minimum Age to operate the crane system is 18 years.
- You must read and understand the instruction manual before using the crane. The instruction manual must always be available to the operator at the point of use.
- The crane may only be operated when balanced horizontally in all directions. Levelling legs or a level track are used for alignment. A bubble level is used to check the balance. A commercially available bubble level can also be used.
- The crane can only be operated on levelling legs or with guide wheels. The mounted pneumatic tyres are used to transport the crane to the point of use only. The pneumatic tyres can be used to move the erected crane without payload and without the corresponding counterweight.
- Make sure that the ground can bear the weight of the crane before setting it up (at least 1200 kg/m<sup>2</sup>). The surface load is a result of the crane's own weight in the required version plus counterweight and payload divided by the footprint or contact area. On this basis, the total surface load is approx. 1.5 m<sup>2</sup> (load-bearing capacity of ceilings in buildings). For the load under an individual levelling leg, particularly important in an open area, a third of the total weight of the version used is to be taken into account. It may be necessary to increase the area under the levelling legs using wooden plates or similar (grass, meadow, beach).
- Do not set up or operate the crane while under the influence of drugs, alcohol or other medicines and narcotics.
- Never operate the crane in the immediate vicinity of high-voltage lines – danger to life.
- The crane must be shut down in sufficient time before the maximum permitted operating wind of 25 km/h or 6,9 m/s (15.5mph) is reached.
- Particular care is required when operating the crane in unfavourable weather conditions. The crane must be shut down in sufficient time when a thunderstorm is threatening. When in doubt, the crane should be secured and the area evacuated. Pathways and operating elements should be kept free of ice if there is a risk of ice forming.



## GRIP EQUIPMENT YOU CAN RELY ON!

- All elements of the crane must be within the field of vision of the operating personnel when in use. Visual obstructions can include window blinds, fog or darkness. The crane can only be moved by line of sight.
- Any movements to be carried out with the crane must be adequately rehearsed. Pay particular attention to keeping the area of movement in front of and behind the crane free of obstacles. Quick movements and/or panning must be rehearsed starting at low speeds. Make sure that the stability of the crane is not negatively affected by the dynamics of the quicker movement under increasing speed. Pay attention to critical situations that may arise when lifting a levelling leg or guide wheel.
- **EXTREME CAUTION:** These safety measures are especially important when moving the crane on curved tracks! The maximum speed in the circle (Master Track, diameter approx. 6 m) is 6.5 km/h | 4 mph (slow walking pace), which corresponds to 35°/sec. or three crossties per second. Caution – risk of tipping!
- All materials and equipment used must be securely attached to the platform or remote crossbeam to prevent any drops.
- Platform crew must immediately buckle up upon mounting the platform and should only dismount after consulting with operating personnel. Caution – risk of tipping!
- Prevent the unauthorised use of the erected crane system.
- It is not allowed to exceed the maximum payload of the respective version and the corresponding maximum counterweight.
- Do not operate the crane on vehicles of any type – uncontrollable movements can be dangerous. (communication between driver  $\Leftrightarrow$  operating personnel, uneven surface, etc.)
- Standing under overhead loads until release by operating personnel is prohibited. Keep the danger zone cordoned off until release and mark as a danger zone if necessary. People within the pivoting range of the crane must be specially instructed and informed about the dangers. The operator must anticipate that such individuals may suddenly find themselves within pivoting range of the crane and therefore, must maintain a safe distance to the crane to ensure sufficient reaction time.
- Platform crew must be instructed that they are not permitted to grip the surrounding structure or similar. This can negatively affect the balance of the crane – risk of tipping.
- Should you need to route cable along the crane arm to the remote head or camera, the cable should not negatively impact the movements of the crane in any way. It should also be noted that the weight of the cable counts towards the overall payload.
- The crane system and its individual components should be clean and dry when stored. Any accumulated dirt can negatively impact proper function when the crane is operated next.
- When transporting the crane system, make sure that the components do not rub together and cause any material wear. Severe damage to the surface coating can lead to increased corrosion. Also make sure when transporting the individual components



## GRIP EQUIPMENT YOU CAN RELY ON!

that they do not hit against each other to avoid bending or denting them. Any bends or dents can weaken the structure and make the system unusable.

- Crane components that have become unusable must be professionally disposed of. Movie Tech AG can properly dispose of such components for you by sending them back to us.
- Warranty: The manufacturer accepts no liability for damages or injuries for incidents or accidents occurring due to negligence by the crane operator or misuse of the crane or disregarding the instruction manual.
- To avoid accidents due to misuse, Accident Prevention Guidelines especially DGUV regulation 1 (previously BGV A1), and DGUV regulation 3 (previously BGV A3) as well as VDE regulations (especially VDE 0105 section 100) must be adhered to. If the nominal voltage cannot be determined, a minimum clearance of 5m / 16ft must be kept at all times.
- The crane operator is obliged to inform all persons on the platform to fasten their seatbelts. Persons may only get off of the platform after the respective amount of counterweights are taken out of the basket.
- The load capacities stated contain all elements that are being attached.
- Mark the crane's working area (e.g. with flags of safety band) in order to keep all persons away from working area at any time.
- Important note: All equipment mounted to the crane may only be adjusted or dismantled with the clear consent of the crane operator, as this may interfere with the balance of the system as a whole. Counterweight must be taken out of the crane and the outrigger needs to be secured before camera or any weight is taken off of the crane.
- Never operate with a damaged crane. Immediately stop operating the crane system when a damage occurs.
- Only use original MovieTech parts or parts authorized by MovieTech.
- What to do when damages occur or an accident happened:

Please immediately inform MovieTech about how the accident took place, how severe it was and about any kind of damage to the crane. Damaged parts should be sent back to the MovieTech factory for evaluation, repair and replacement. Operating the crane with damaged parts is not allowed – MovieTech takes no liability for damages or injuries due to the use of damaged parts. Please follow the locally applicable accident prevention guidelines!

Please be aware of possible dangers at all times and work with caution and responsibility.

**STAY SAFE !!**



## 5. How to set it up

### 1) Quick Guide - Video

The easiest way to learn how to set up the Crane 120 is by watching the tutorial video “MovieTech Crane 120 - How to set it up”.






In order to do so, simply scan the QR-Code below:



Alternatively contact us and we will send you the video via email. :

[info@movietech.de](mailto:info@movietech.de)

**2) Set-Up: step by step**

Step	Description	Details
<p><b>1 . Secure work area</b></p>	<p>Make sure that there are no unauthorized persons or objects in the working area of the crane. If necessary, markings with barrier tapes or warning signs are required.</p>	
<p><b>2. Base or Tripof on firm ground or on tracks</b></p>	<p>Position the Base Dolly on a firm and stable ground.</p> <p>On tracks: set up tracks according to the respective set-up manual. Always use appropriate track support. Tracks need to be levelled precisely</p> <p>On firm ground: If needed, please use ground support</p>	
<p><b>3. Attach main segment</b></p>	<p>Attach the crane support to the dolly or tripod. Add main segment and close the screw.</p>	  

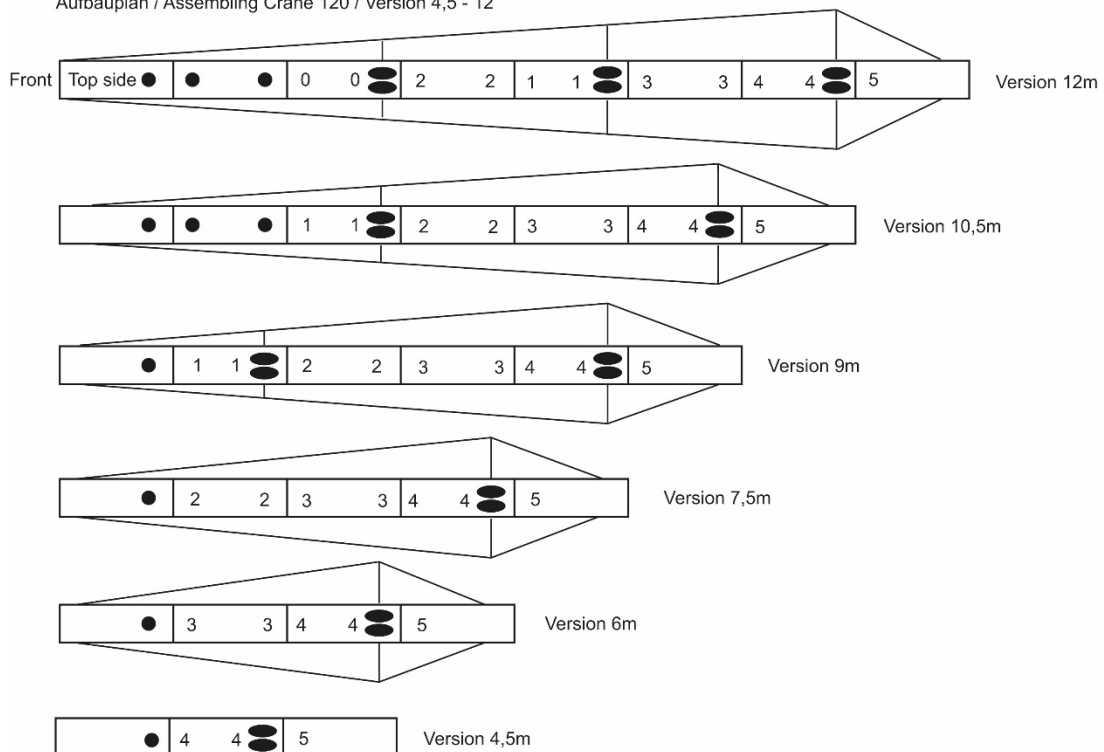
## 4. Attach Crane Segments

### DEPENDING ON CRANE VERSION

- Always use crane support
- Add crane segments and outrigger segments according to the version you want to set up (see plan below)
- Close all three M6 star screws between every segment



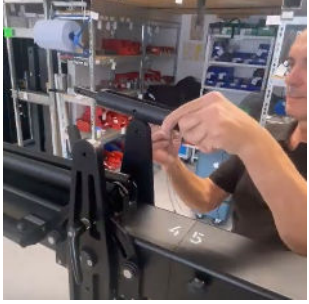
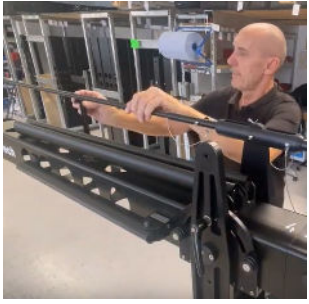


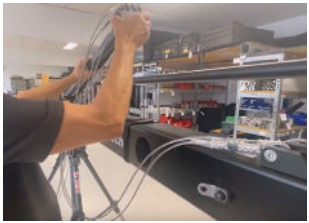
Aufbauplan / Assembling Crane 120 / Version 4,5 - 12





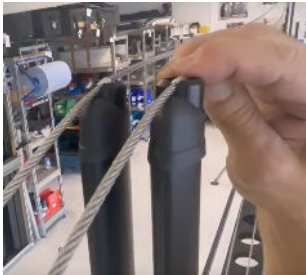



## 6. Add parallelogram bars



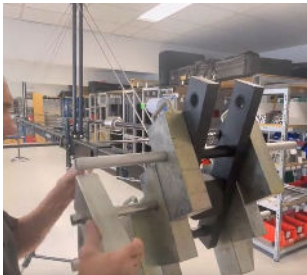
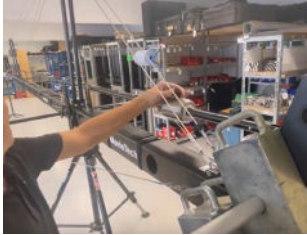

- add the support pieces for the parallelogram bars
- add the parallelogram elements by using the attached quick pin



		 
<p><b>7. Mount crane head and counterweight holder</b></p>	<ul style="list-style-type: none"> <li>- mount the crane head and connect it to the parallelogram element</li> <li>- mount the counterweight holder and connect it to the parallelogram element</li> </ul> <p><b>Don't forget to put the trim weight on the rear parallelogram element.</b></p>	 
<p><b>8. Add tower cables</b></p>	<ul style="list-style-type: none"> <li>- connect the tower cables to the rear end of the crane by using the allen key.</li> </ul> <p><b>Please note:</b> the new versions of the Crane 120 have a double tower bracing for increased stability.</p>	



	<p>Raise the second and third tower (depending on the setup-version)</p>	  
<p><b>9.outrigger cables</b></p>	<p>Add the outrigger cables</p> <p><b>Please note:</b> the 12m version does not use the caps on the outriggers. The ropeset is prepared to directly connect to the outrigger</p> <p>Close all rope locks</p> <p>Open the outrigger (for the 12m version they need to be opened before closing all rope locks as the ropes attach directly to the outrigger.</p>	  

<b>10. Add your camera</b>	- Add your Remote Head and/or your camera.	
<b>11. Add counterweight</b>	- insert the counterweight bars - add counterweight	 
<b>12. fine adjust the weight</b>	- fine adjust the crane with the help of the trim weight and the lever on your crane head	
		



## 6. Technical Description

**Note:** Any camera crane is only as safe as the person operating it! Follow these instructions carefully to ensure a safe and enjoyable experience with the MovieTech Crane120.



### ATTENTION

The Crane 120 is a lightweight construction made of a special squared tube. Despite its low self-weight, it can hold cameras and remote heads as heavy as 30 kg (66 lbs) in the Versions L, M and S. **Please note that the maximum load capacity decreases with an increase in crane length.**

It's recommended to operate all crane versions on a solid base dolly. Shorter Versions (9m and shorter) may also be operated in combination with the Bullstand tripod.

**Attention: Crane Version 10.5 and Crane Versuion 12.0 may only be operated with crane base dolly!**

- Crane 120-12.0      Weight: 116 kg (255.73 lbs)  
                           Max. load capacity: 20 kg (44.09 lbs)  
                           ➔ **This version may only be operated with appropriate crane base dolly (e.g. CD6), not with tripod.**
  
- Crane 120-10.5    Weight: 93 kg (205 lbs)  
                           Max load capacity: 20 kg (44.09 lbs)  
                           ➔ **This version may only be operated with appropriate crane base dolly (e.g. CD6), not with tripod.**
  
- Crane 120-9.0      Weight: 83 kg (182.98 lbs)  
                           Max load capacity: 25 kg (55.12 lbs)
  
- Subversion L, M, S    Max load capacity 30 kg (66 lbs)

TRIPOD – Bullstand (8321-03)	BASE DOLLY – CD 6 (7530-0Set)
	
<p><b>Attention:</b> valid only for Versions up to Version 9.0 or shorter.</p>	<p>Valid for all Crane 120 Versions</p>

**1) Crane 120 – 9.0**

The Star, not only behind the Goal Posts! HDV, HD, Film  
 High weight capacity of 25kg (55.11 lb), Versions L, M, S even 30kg /66.12lb)  
 The Version 9.0 may be set in the full length or in sub-lengths L, M, S.

**Package includes:****Main bags 1 and 2 including:**

- 1 Crane-head segment
- 1 End segment
- 1 Extension segment with outrigger
- 1 Main segment
- 2 Extension segments
- 3 Weight tubes / safety rings
- 1 Counterweight rod with leveling weight

**Additionally:**

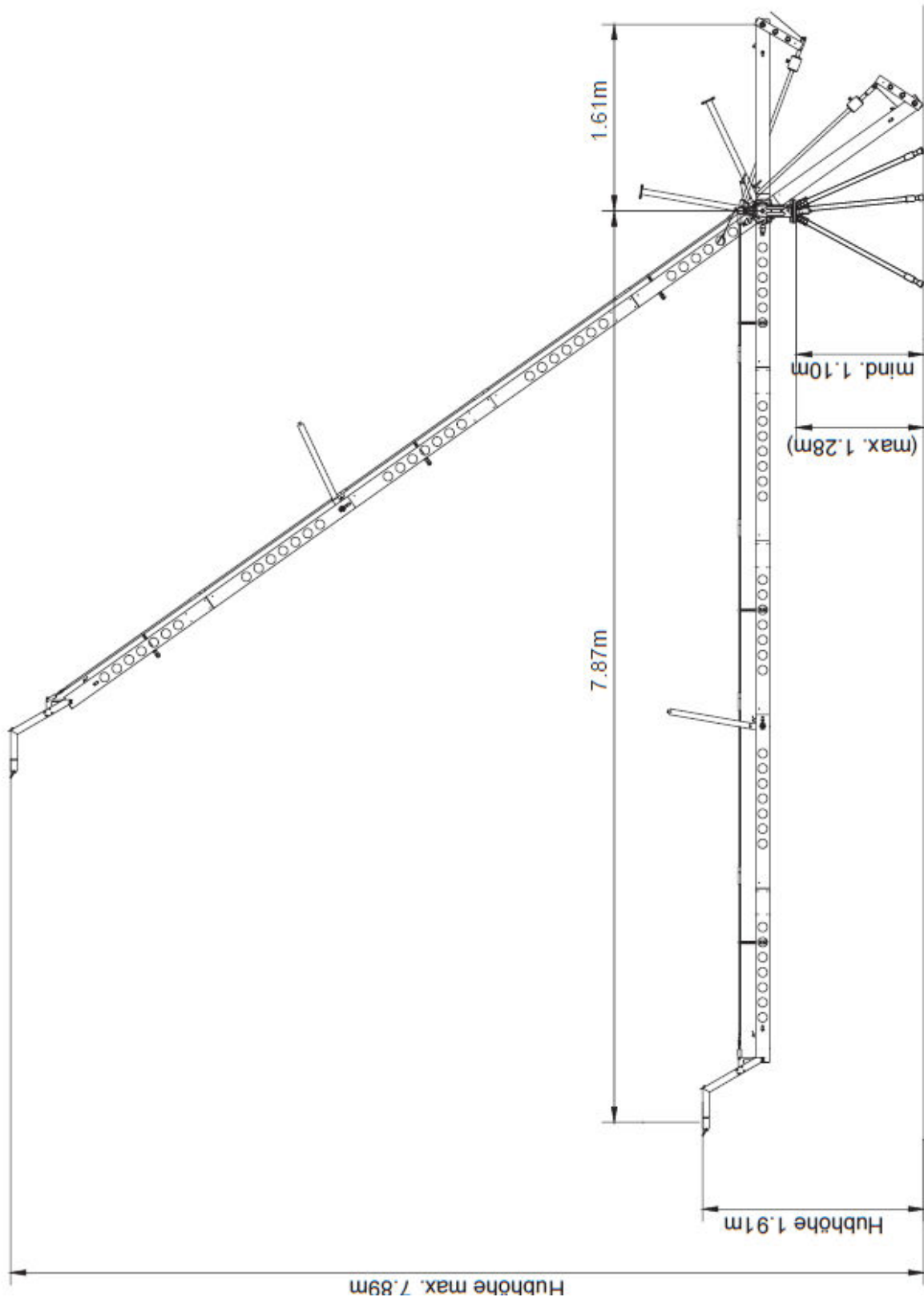
- 1 Hex-wrench 0.196 inch
- 1 Manual

**Accessory case including:**

- 1 Crane support
- 1 Clamp unit (brake) with clamp lever
- 1 Quick-pin 10 mm / 0.393 inch
- 1 Water-level integrated
- 1 Control trim rig for Remote Head
- 1 Weight bracket (Ø 30 mm / 1.18 inch, Length 800 mm / 31.49 inch)
- 1 Star screw M 12 for Main segment
- 1 Crane-head with Euro mount connection for Remote Head
- 1 Bolt Set M6 segment screws 15 pcs. + 3 spare screws
- 1 Rope Set for version 4,7 / 6,2 / 7,7
- 1 Rope Set for version 9

**Technical Data**

<b>Crane 120 – 9.0</b>	
<b>Weight</b>	182.98 lb / 83 kg
<b>Dimension when packed</b>	69.69 x 14.57 x 11.42 in / 177 x 37 x 29 cm
<b>Max. payload</b>	55.12 lb / 25 kg
<b>Counterweight</b>	approx. 271.63 lb / ca. 160 kg
<b>Weights split</b>	10 x 35.27 lb / 10 x 16 kg
<b>Total crane length</b>	31.10ft / 9,48m



**CRANE120 - 9.0**

## 2) Crane 120 – 10.5

The crane for ambitious travelogue HDV, HD, Film  
High weight addition of 20 kg (44.09 lb)

### Package includes:

#### **Main bags 1 and 2 including:**

- 1 Crane-head segment
- 1 End segment
- 1 Extension segment with outrigger
- 1 Main segment
- 3 Extension segments
- 3 Weight tubes / safety rings
- 1 Counterweight rod with levelling weight

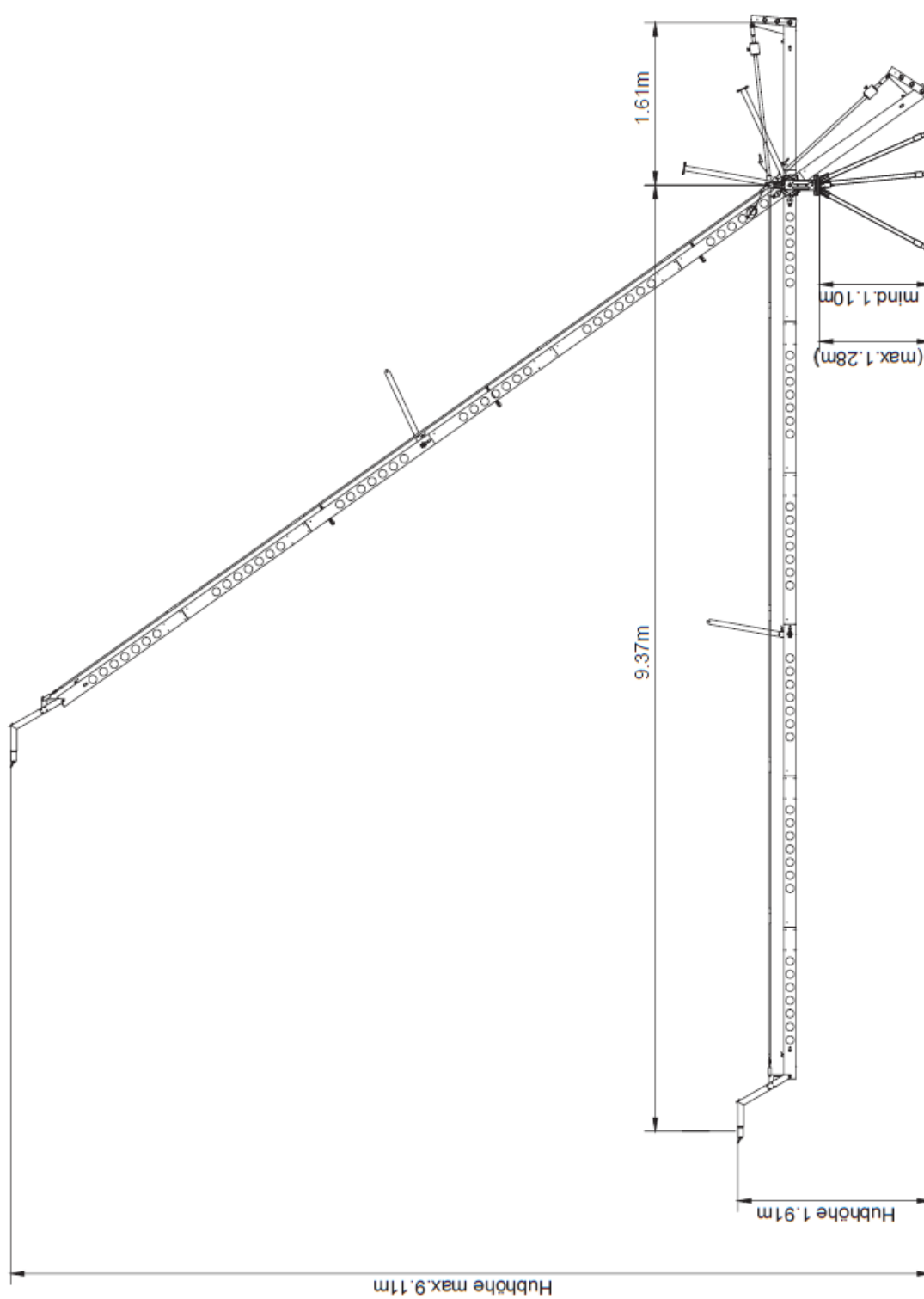
#### **Additionally:**

- 1 Hex-wrench 0.196 inch
- 1 Manual

#### **Accessory case including:**

- 1 Crane support
- 1 Clamp unit (brake) with clamp lever
- 1 Quick-pin 10 mm / 0.393 inch
- 1 Water-level integrated
- 1 Control trim rig for Remote Head
- 1 Weight bracket (Ø 30 mm / 1.18 inch, Length 800 mm / 31.49 inch)
- 1 Star screw M 12 for Main segment
- 1 Crane-head with Euro mount connection for Remote Head
- 1 Bolt Set M6 segment screws 15 pcs. + 3 spare screws
- 1 Rope Set for version 4,7 / 6,2 / 7,7
- 1 Rope Set for version 9
- 1 Rope Set for version 10.5

<b>Crane 120 – 10.5</b>	
<b>Weight</b>	205.03 lb / 93 kg
<b>Dimension when packed</b>	69.69 x 14.57 x 11.42 in / 177 x 37 x 29 cm
<b>Max. payload</b>	44.09 lb / 20 kg
<b>Counterweight</b>	approx. 458 lb / ca. 208 kg
<b>Weights split</b>	10 x 35.27 lb / 13 x 16 kg
<b>Total crane length</b>	36.02ft / 10,98m



**CRANE120 - 10.5**

### 3) Crane 120 – 12.0

The Goliath among the Light Cranes! HDV, HD, Film  
Weight addition of 20kg (44.09 lb - version 12)

**Package includes:****Main Bags 1 / 2 / 3 with:**

- 1 Crane-head segment
- 1 End segment
- 2 Extension segments with outrigger (without caps –see accessory bag)
- 1 Main segment
- 3 Extension segments
- 3 Weight tubes Ø30 x 800 mm/ safety rings
- 1 Tare rod with levelling weight

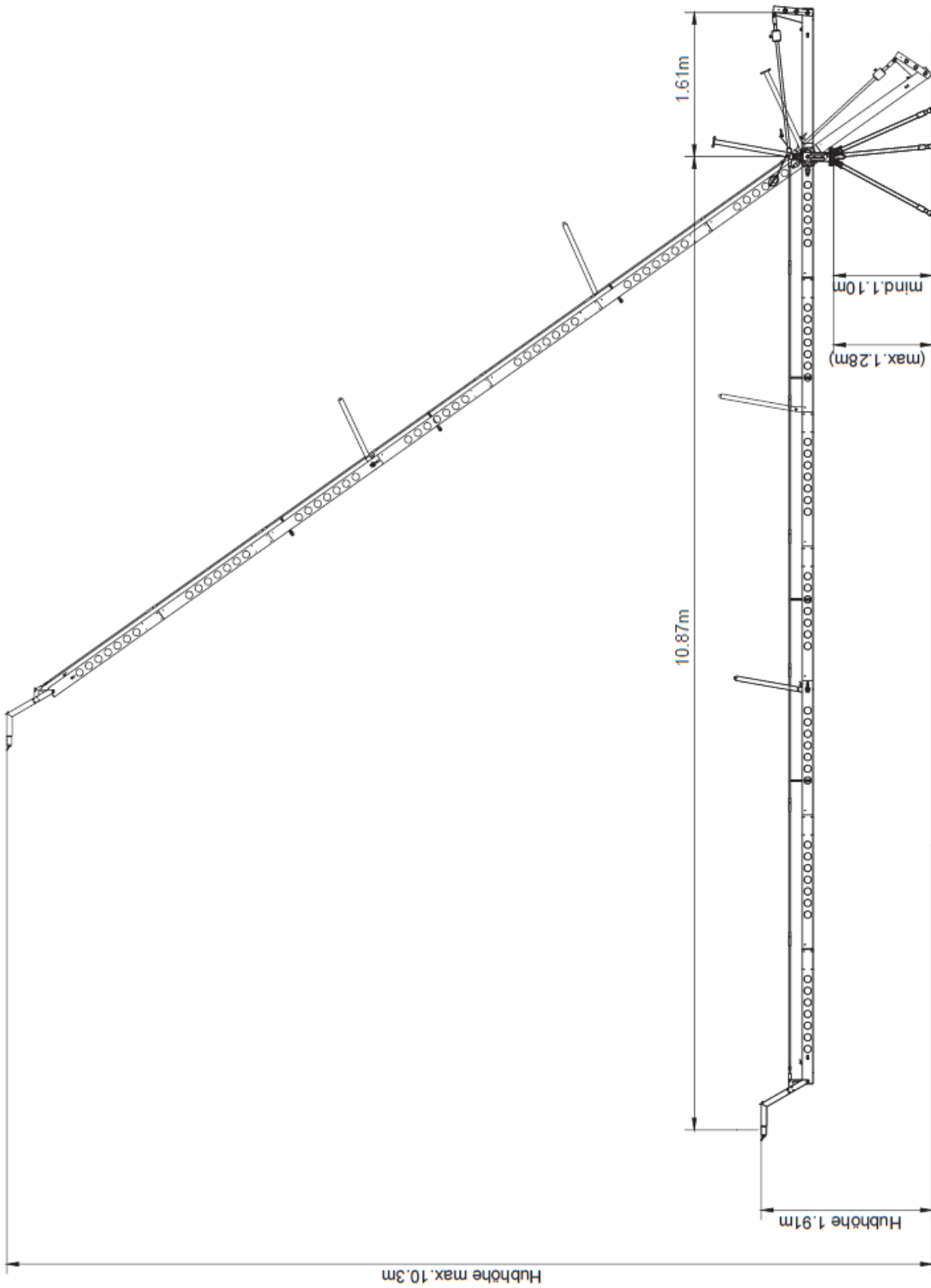
**Additionally:**

- 1 Hex-wrench 0.196 inch
- 1 Manual

**Accessory bag including:**

- 1 Crane prop
- 1 Clamp unit (brake) with clamp lever
- 1 Water level integrated
- 1 Control trim rig for Remote Head
- 1 Weight bracket, 1 Quickpin 10 x 40 mm / 0.393 x 1.57 inch
- 1 Star screw M 12 for Main segment
- 1 Crane-head with Euro mount connection for Remote Head
- 1 Srew Set M6 segment screws 15 pcs. + 3 spare screws
- 1 Bag with caps for outrigger segments
- 1 Rope Set for version 4,7 / 6,2 / 7,7
- 1 Rope Set for version 10.5
- 1 Rope Set for version 12

<b>Crane 120 – 12.0</b>	
<b>Weight</b>	255.73 lb / 116 kg
<b>Dimension when packed</b>	69.69 x 14.57 x 11.42 in / 177 x 37 x 29 cm
<b>Max. payload</b>	44.09 lb / 20 kg
<b>Counterweight</b>	approx. 634.93 lb / ca. 288 kg
<b>Weights split</b>	10 x 35.27 lb / 18 x 16 kg
<b>Total crane length</b>	40.94ft / 12,48m



**CRANE120 - 12.0**

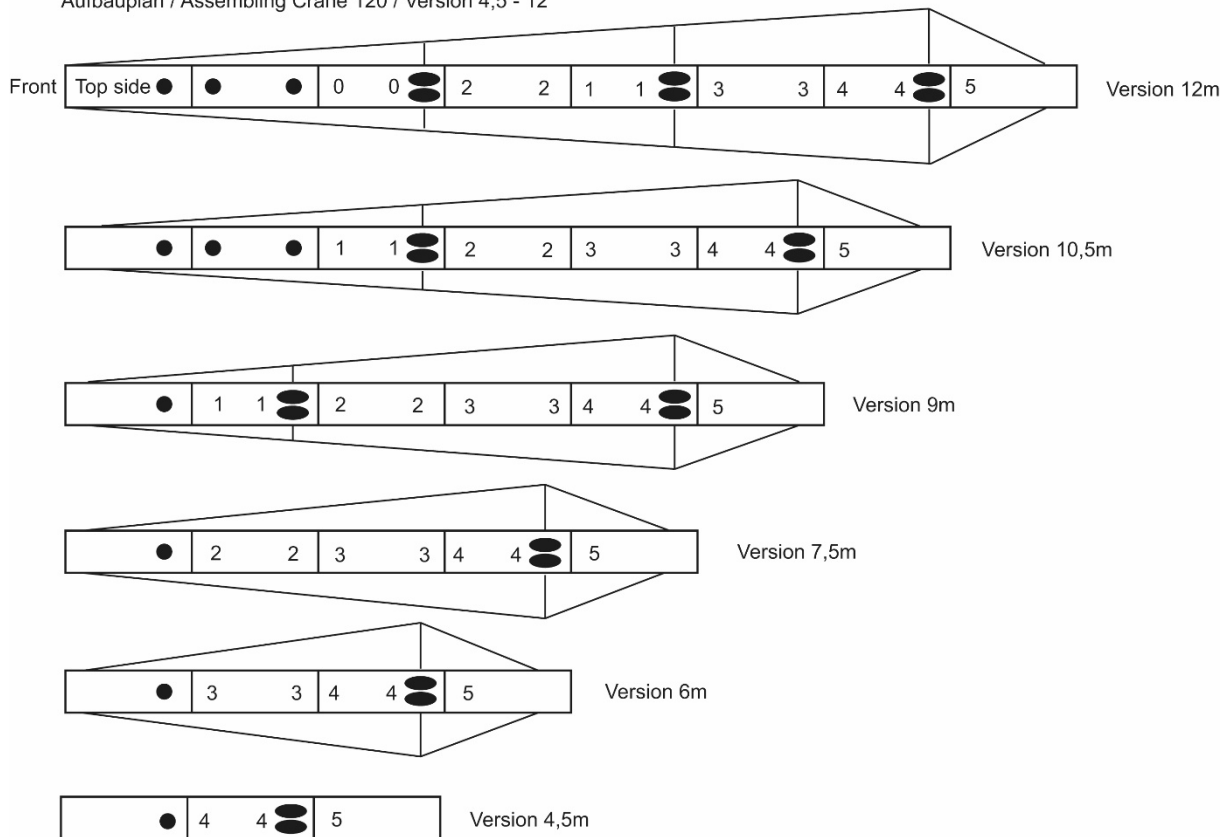
## 7. Crane length overview

	Max camera weight	Front crane arm	Back crane arm	Total length
<b>Version – 12.0</b>	44.09lb / 20kg	35.66ft / 10,87m	5.28ft / 1,61m	40.94ft / 12,48m
<b>Version – 10.5</b>	44.09lb / 20kg	30.74ft / 9,37m	5.28ft / 1,61m	36.02ft / 10,99m
<b>Version – 9.0</b>	55.12lb / 25kg	25.82ft / 7,87m	5.28ft / 1,61m	31.10ft / 9,48m
<b>Subversion L</b>	66.14lb / 30kg	19.13ft / 5,83m	5.28ft / 1,61m	24.05ft / 7,33m
<b>Subversion M</b>	66.14lb / 30kg	14.21ft / 4,33m	5.28ft / 1,61m	19.13ft / 5,83m
<b>Subversion S</b>	66.14lb / 30kg	9.28ft / 2,83m	5.28ft / 1,61m	14.21ft / 4,33m



## 8. Setup overview

Aufbauplan / Assembling Crane 120 / Version 4,5 - 12



## 9. Recurrent inspection

Ref. safety-related and und maschine-related equipment on stages and in studios.  
Certification of recurrent inspection according to „§34 UVV Veranstaltungs- und Produktionsstätten für szenische Darstellung (VBG 70).“

<b>Product:</b>	<b>MovieTech – Crane 120</b>	
<b>The following inspections have been performed:</b>		
Date:	Description of maintenance:	Name:
Date:	Description of maintenance:	Name:
Date:	Description of maintenance:	Name:
Date:	Description of maintenance:	Name:
Date:	Description of maintenance:	Name:



**Test Sheet Movie Tech AG**

Confirmation of expertise for installation, inspection and maintenance of specific camera cranes in accordance with BetrSichV and DGUV regulation 17. The expert inspection must be repeated annually from year 1 - 3. An expert inspection is required in year 4.

Examiners: .....

Date: .....

Manufacturer/ Type: .....

Serial number: .....

Customer name/ Owner: .....

	Tested	Defects		Others
		Yes	No	
<b>Visual inspection</b>				
Mechanical connections				
Deformation of parts, in particular segments				
Damage to parts, especially segments (dents/cracks)				
Thread of segments				
Rope and crimp connections				
Turnbuckles and hooks				
Axles				
Crane head with clamp/strap				
Crane centre part with threaded pin and brakes				
Counterweight unit with weight bars				
Struts/ Outrigger				
Completeness of all parts				

<b>Structure and functional test</b>				
Plug connection and segments				
Folding function Outrigger				
Screw connections Segments				
Swivel bearing / Smoothness / Noises				
Brakes (horizontal and vertical)				
Clamping crane head 80mm/ Mitchell				

<b>Function test with payload</b>				
Max. Payload max. counterweight with function test				

<b>Comments:</b>



**Test Sheet Movie Tech AG**

Confirmation of expertise for installation, inspection and maintenance of specific camera cranes in accordance with BetrSichV and DGUV regulation 17. The expert inspection must be repeated annually from year 1 - 3. An expert inspection is required in year 4.

Examiners: .....

Date: .....

Manufacturer/ Type: .....

Serial number: .....

Customer name/ Owner: .....

	Tested	Defects		Others
		Yes	No	
<b>Visual inspection</b>				
Mechanical connections				
Deformation of parts, in particular segments				
Damage to parts, especially segments (dents/cracks)				
Thread of segments				
Rope and crimp connections				
Turnbuckles and hooks				
Axles				
Crane head with clamp/strap				
Crane centre part with threaded pin and brakes				
Counterweight unit with weight bars				
Struts/ Outrigger				
Completeness of all parts				

<b>Structure and functional test</b>				
Plug connection and segments				
Folding function Outrigger				
Screw connections Segments				
Swivel bearing / Smoothness / Noises				
Brakes (horizontal and vertical)				
Clamping crane head 80mm/ Mitchell				

<b>Function test with payload</b>				
Max. Payload max. counterweight with function test				

<b>Comments:</b>



**Test Sheet Movie Tech AG**

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Max. Payload max. counterweight with function test				

<b>Comments:</b>



## The MovieTech family



Everyone at MovieTech is passionate about grip equipment.

Our brand stands for high quality and reliable grip equipment – since 1993.

In order to meet the high demands of our customers and to fulfill our motto

**“Grip-Equipment you can rely on”**, we produce all our MovieTech products with passion and care in our factory in Munich.

Always with the aim of developing user-friendly, versatile, robust and reliable camera support systems that users will love.

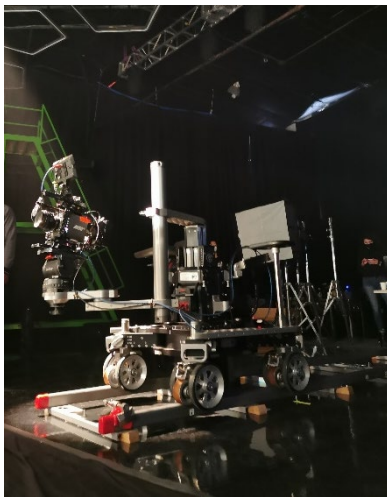
## MovieTech

## ABC PRODUCTS

by MovieTech

## MTS

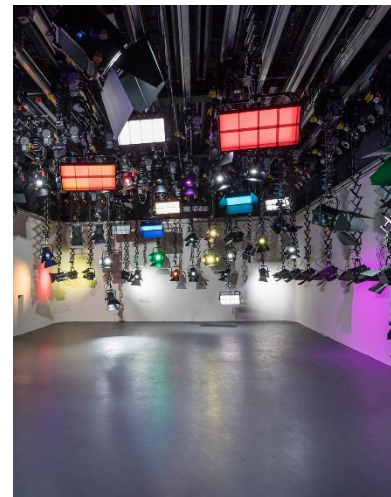
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