



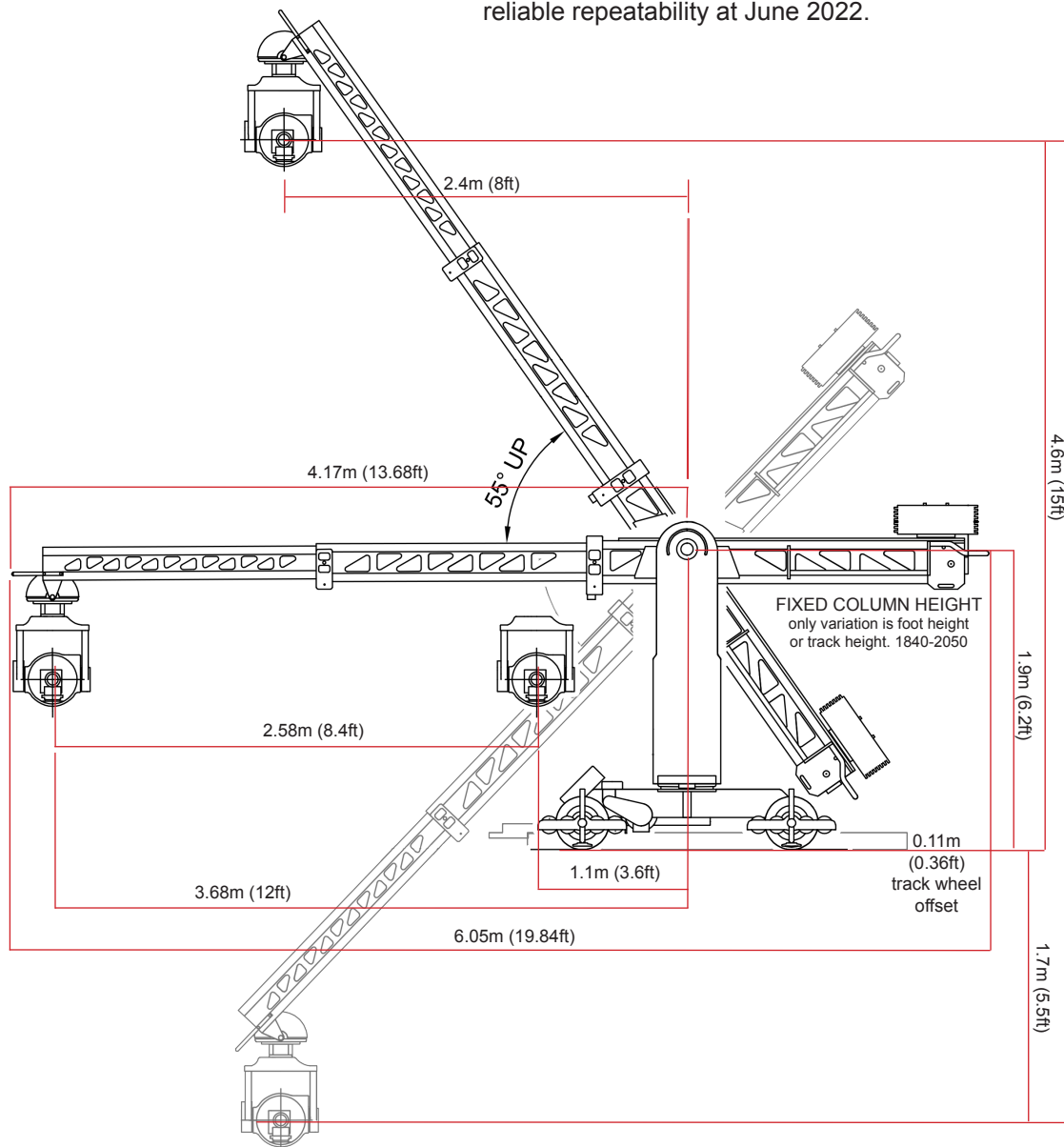
SANDSTORM FILMS

TECHNODOLLY

TECHNODOLLY 15 Serial 426 - SIZES AND SPECIFICATIONS - JUNE 2022



Specifications and Dimensions based on TechnoDolly 15 from Sandstorm Films Serial number 426 with the S head fitted. Measurements based upon safe operation of the crane with the latest software for reliable repeatability at June 2022.



LENS HEIGHTS:

Max. lens height (from ground/rostrum when on track):	4.6m (15ft)
Max. lens height down (when on rostrum):	-1.7m (-5.5ft)
Max. low to high camera travel:	6.3m (20.5ft)

TELESCOPE DISTANCES:

Max. telescopic extent (from column centre to lens):	3.68m (12ft)
Min. telescope extent: (from column centre to lens)	1.1m (3.6ft)
Total telescope travel (linear telescope only)	2.58m (8.4ft)

PAYLOADS (WHEN IN OPERATION):

Max. camera weight:	35kg (77lbs)
Total weight (in action when weighted excluding track):	1100kg (2425lbs)
Track weight (per 3m section - 6 sections total max)	50kg (110lbs)

S-HEAD SPECIFICATIONS sizes in cm only:

Underslung as standard, can be overslung, NO MATRIX OPTION)
TechnoDolly cannot operate as a fully repeatable crane without the S-head.
 Inner diameter with roll installed for camera body (circumference): 25cm
 Inner diameter with flat-plate (removes roll and 3rd gyro axis) 29cm(w) x 40cm(h)
 Underslung tightest position from auto-horizon to base plate (compromises tilt) 59cm
 Underslung longest position (provides most clearance for tilt) 70cm
 Furthest off-axis sensor position (forwards) 100cm (it works but it is not pretty)

TRAVEL/TRACKING SPEED:

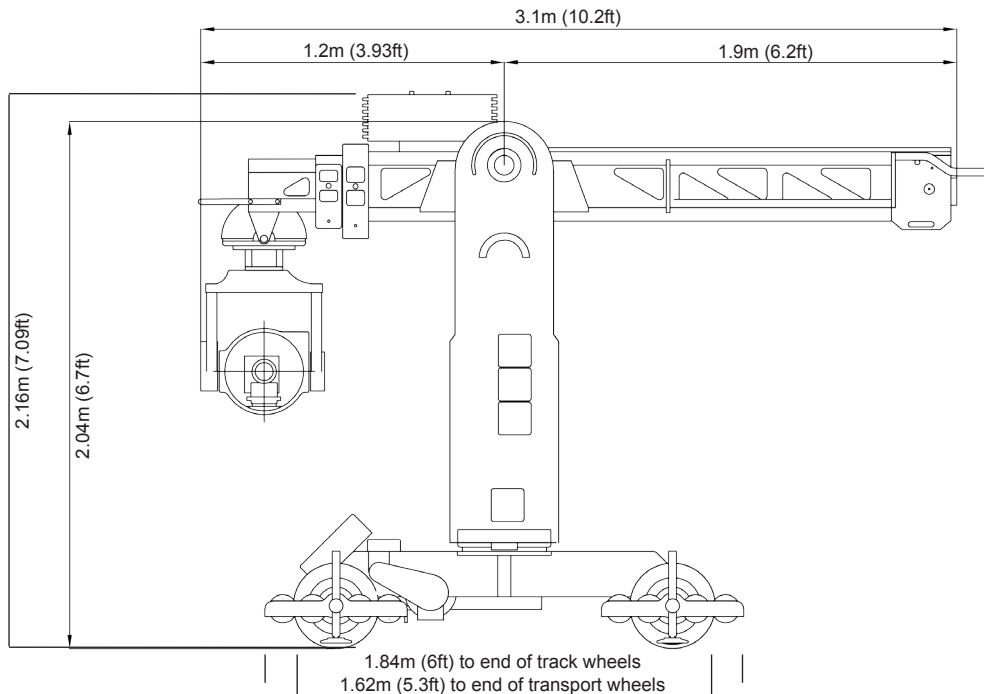
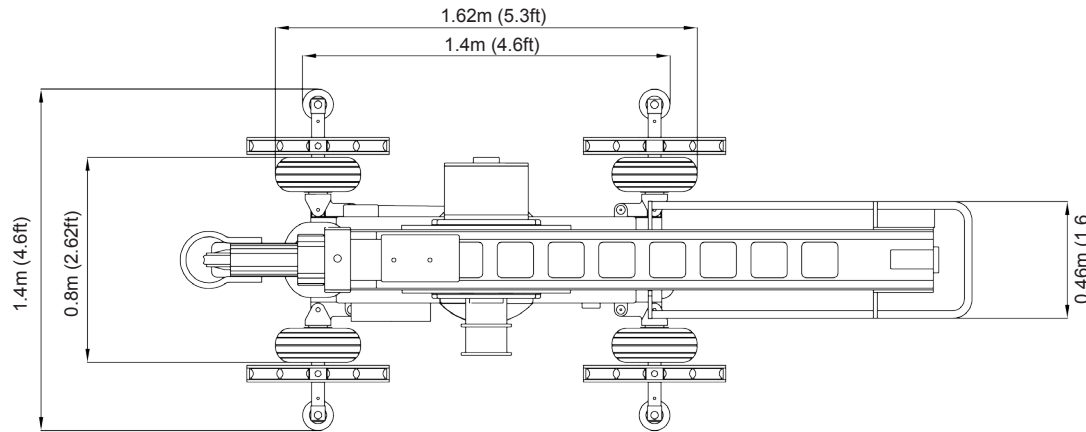
Max. speed (on track, all axis in motion):	2.4m/s (7.8ft/s)
Assumed average speed (on track, all axis in motion)	1.5m/s (4.9ft/s)
<i>Please keep physics in mind when making calculations including wind speed, friction, inertia (start and stop time considering weight of the crane under control of motors), time to max speed.</i>	

COVERAGE AREA:

Max. track length: (in 3m track sections only)	18m (59ft)
<i>Max lens travel depends on the exact shot and should NOT be calculated based on the measurements above. Generally full left to right with all track and arm extent in a straight line = 21m (68ft)</i>	

USEFUL NOTES:

Tele measurements based on electronic limits for repeatability. If the crane is being used as a crane only we can slightly extend the lengths and limits.
Measurements below 'ground level' assume a suitable rostrum has been built with adequate space for the crane and operator (also track if required).
Recommended minimum size is 3x3m platform that is heavily re-enforced to handle inertia from crane movement.
2.4meter per second travel is a close average to max speed using all axis to move the crane, the TechnoDolly takes time to reach this speed.



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TRANSPORT POSITION

All measurements on this page refer to the crane when packed down in transport position, the sizes should not be used for measuring suitability for the shot, only access / transport / movement.

Crane weight: Min. 850kg
Crane weight: Normal. 920kg

The arm and column cannot be detached.
The column is a fixed height.

The TechnoDolly can be handled by crane, telehandler or 360 using suitably rated strops.

ROSTRUMS

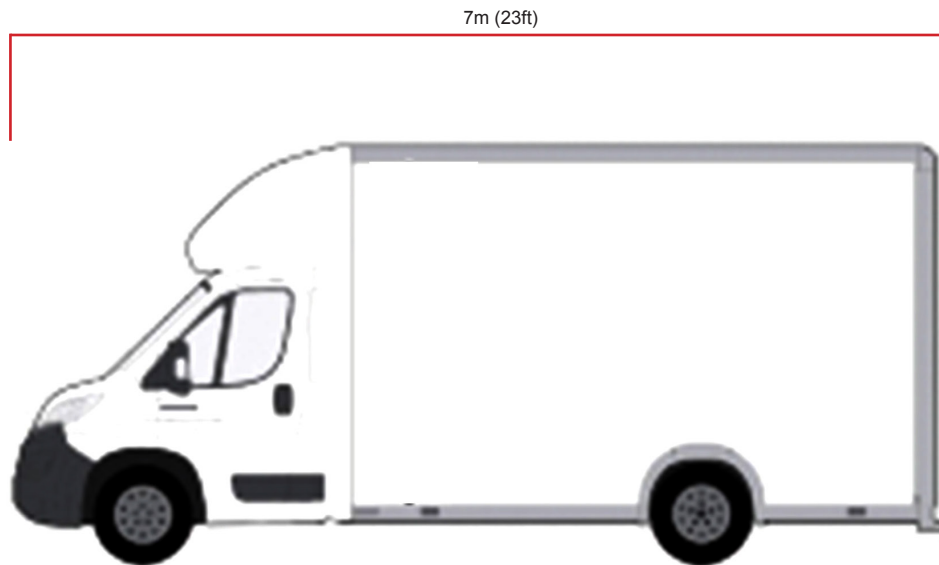
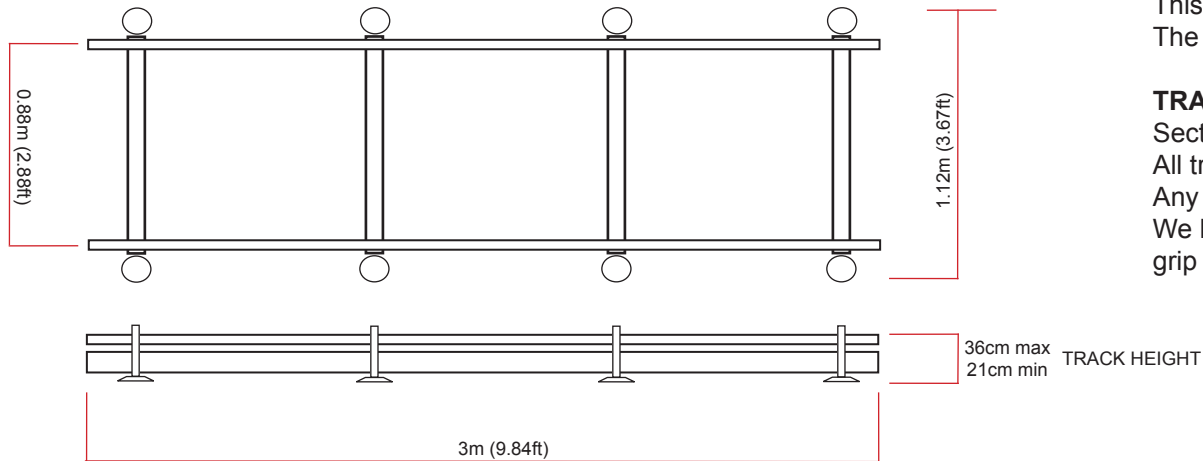
The TechnoDolly works well from a fixed or temporary rostrum to achieve a larger range of movement.

The platform must be able to support the weight of the crane, plus weights, plus operators (often two), plus track. A minimum of 3x3m is required + 3m per additional section of track + hand rails around sides and rear (no front hand rail is required).



TECHNO**DOLLY**

Van & Track not to the same scale.



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TRANSPORT

Our TechnoDolly is transported in custom built low-loader without Taco. This vehicle is required on-site / location / studio at all times. The vehicle is EURO6 for ULEZ.

TRACK

Sections are ALL 3m long, there are no short / half sections. All track is re-enforced and has adjustable feet for ground leveling. Any adjustments over 15cm require pags or staging. We bring PAGES for additional adjustment, but it is recommended the grip team provide all PAGES, wedges and staging for clarity.



For further information please call Sandstorm Films.

**Jenny Chapman for bookings - bookings@sandstormfilms.com
+44 (0)1672 642042**

Tom Ward for technical - via office

Technodolly is available for hire on location or in the studio.
Sandstorm offer their own studios, the largest of which is 5600sq ft. and includes adequate power.
Many on-site cameras, lenses, lights, rigging and set build options are also available.

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