



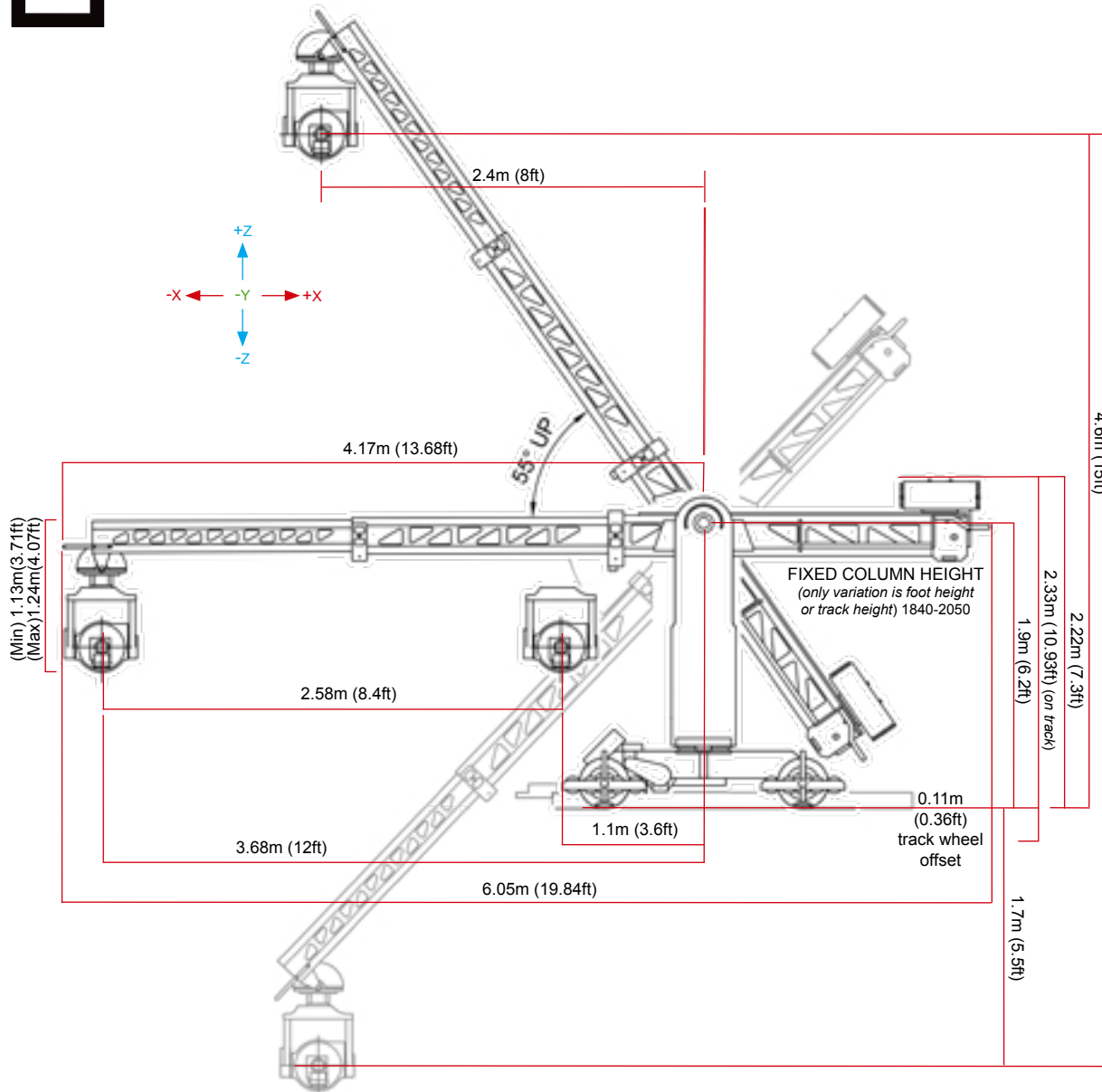
**SANDSTORM FILMS**

***TECHNODOLLY***

**TECHNODOLLY 15 Serial 426 - SIZES AND SPECIFICATIONS - OCTOBER 2022**



# TECHNODOLLY



## 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 of track max):	50kg (110lbs)

## S-HEAD SPECIFICATIONS (sizes in cm only):

Inner diameter with roll for camera body (circumference):	25cm
Inner diameter with flat-plate (removes roll and 3 <sup>rd</sup> gyro axis):	29cm(w) x 40cm(h)
Tightest position (from auto-horizon to base plate):	59cm (compromises tilt)
Longest position (from auto-horizon to base plate):	70cm (Allows max tilt)
Furthest off-axis sensor position (forwards):	100cm <i>(it works but it is not pretty)</i>

Underslung as standard, can be overslung (NO MATRIX OPTION)

TechnoDolly cannot operate as a fully repeatable crane without the S-head.

## TRAVEL/TRACKING SPEED:

Max travel speed avg. using all axis on the crane:	2.4m/s <i>(the TechnoDolly takes time to reach this speed).</i>
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Assumed avg. speed (on track, all axis in motion): 1.5m/s (4.9ft/s)

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.

## COVERAGE AREA:

Max track length (in 3m track sections only):	18m (59ft)
Approx. max travel utilising all 6 track and arm extents:	21m (68ft) <i>(Traveling in a straight line)</i>

Max lens travel depends on the exact shot and should NOT be calculated based on the measurements above.

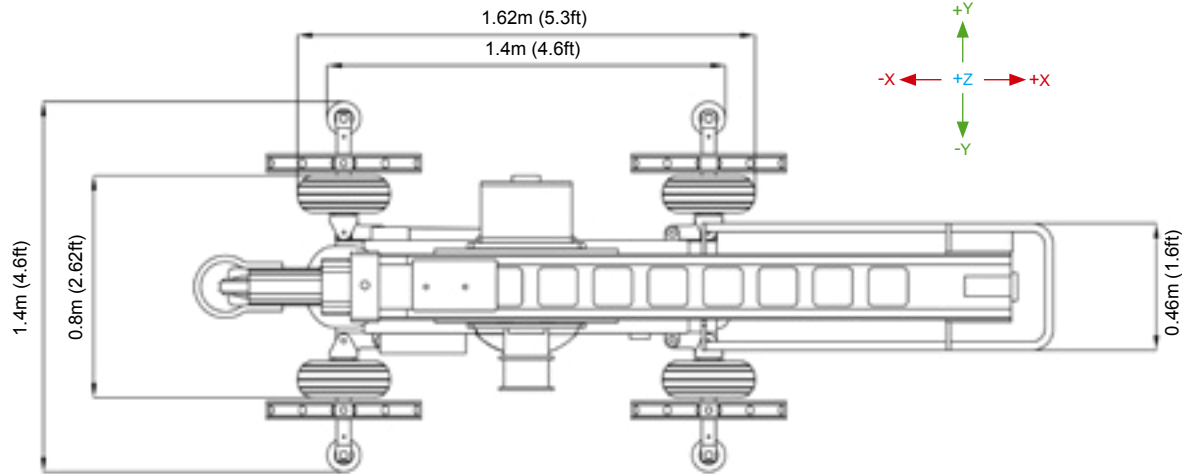
## USEFUL NOTES:

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.



# TECHNODOLLY



### 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.

Minimum Crane weight:	850kg
Average Crane weight:	920kg

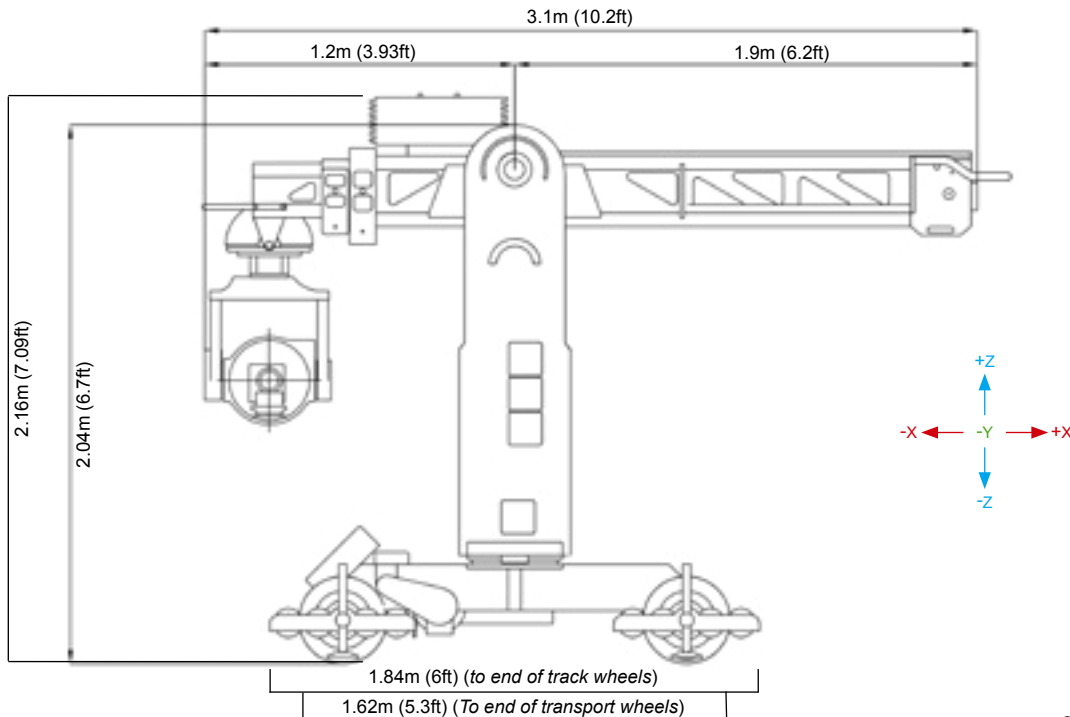
The arm and column cannot be detached.  
The column is a fixed height.

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

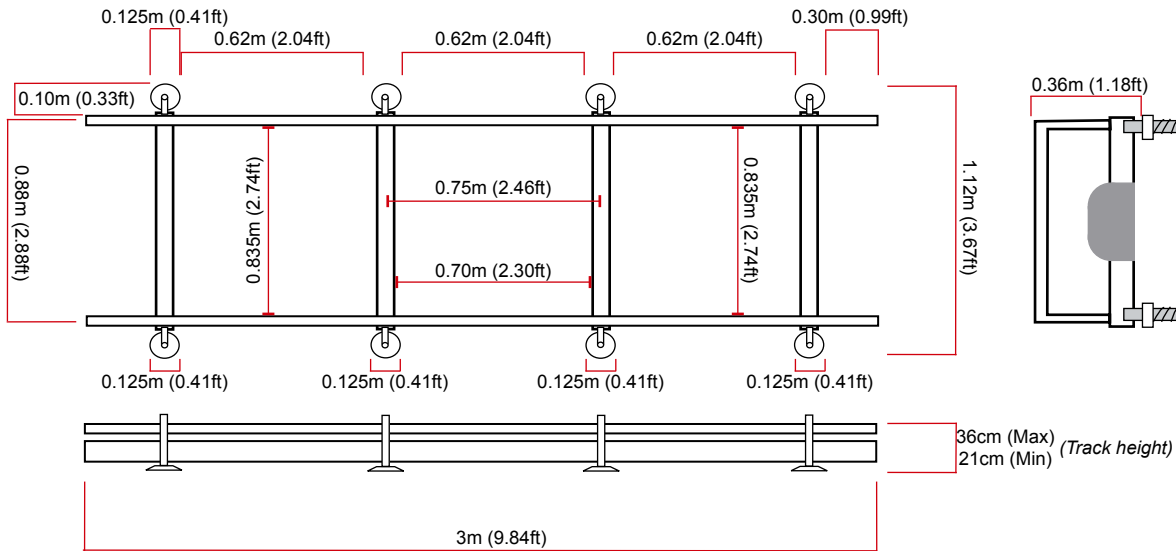
### ROSTRUMS:

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).



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 as of **OCTOBER 2022**.



**TRANSPORT:**

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

**TRACK (6 Lengths total):**

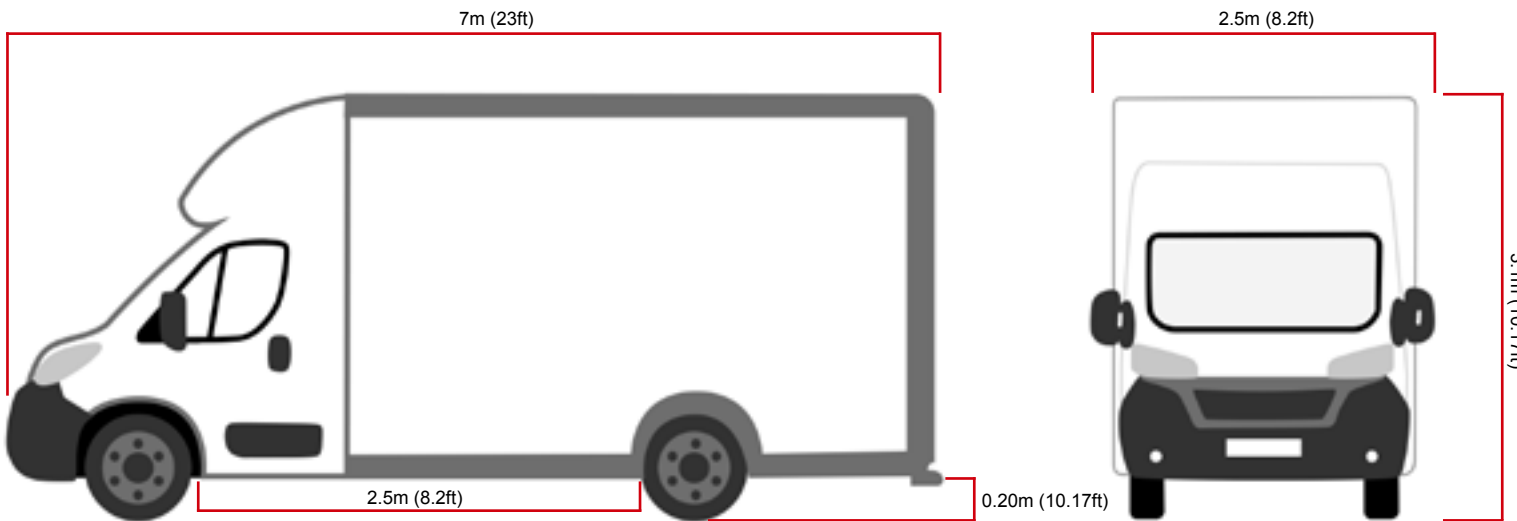
Sections are ALL 3m long, there are no short / half sections. All track is re-enforced and has adjustable feet for ground leveling.

Total length of track: 18m (59.1ft)

*(full length cannot be extended beyond this)*

Total length of track with stops attached: 18.72m (61.42ft)

Any adjustments over 15cm require PAGS or staging. *(We bring PAGS for additional adjustment, but it is recommended the grip team provide all PAGS, wedges and staging for clarity.)*



**Images not to scale**

*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 as of **OCTOBER 2022**.*



For further information please contact Sandstorm Films:

Jenny Chapman for bookings: [bookings@sandstormfilms.com](mailto:bookings@sandstormfilms.com)  
+44 (0)1672 642042

Tom Ward for technical: [bookings@sandstormfilms.com](mailto:bookings@sandstormfilms.com)  
+44 (0)1672 642042

The Technodolly is available for studio and location hire.

Sandstorm Films offer their own studios with power, ranging in size to fit your production the largest of which is 5600sq ft.

We also offer crew, cameras, lenses, lights, rigging and set build options, all available onsite at Sandstorm Films.

**[sandstormfilms.com](http://sandstormfilms.com)**  
**[sandstormfilms.com/technodolly-hire/](http://sandstormfilms.com/technodolly-hire/)**

Sandstorm Films . The Old Dairy . Badbury . SN4 0EU . UK