

ChainBeam

for draperies and scenery

ChainBeam is the third in a family of tracks which shares running components with UniTrack and UniBeam.

ChainBeam can carry heavier loads than ChainTrack all whilst using the precise repeatable movement of chain drive.

The top web of ChainBeam is identical to UniBeam so accepts standard channel nuts for suspension fittings with the lower web taking a special UHMW guide for the two 3/8" duplex chain runs.



Technical Details

External dimensions are 51 mm (2 1/64") wide x 100 mm (3 15/16") High

Standard finish for all track and components is matt black, custom RAL finishes to order.

Stocked in maximum of 6.1 m (20 ft) lengths with custom length cuts available

WLL of 25 kg per runner

WLL of 860 kg UDL on 1 m centre suspension points

Minimum radius of 2,000 mm with no additional curved track components

Virtually maintenance free apart from periodic re-tensioning of the chain

The ChainBeam system is almost identical to standard UniBeam, and is used for the movement of large scale draperies or scenic elements with the cord drive replaced with duplex chain.

The addition of the chain allows for extremely precise and repeatable movements, often to multiple positions along the track with no restrictions on the length of the track.

Draperies will continue to stack compactly in storage positions due to the use of the strong and reliable TRA code runners and a range of master runners and scenery carriers, including the heavy carrier with a 320 kg WLL can be used.

Driven by a track mounted motor via a duplex drive sprocket with a pair of idler guides the opposite end of the track has the track tension device which can be adjusted with a single bolt quickly and easily.

The motor can be mounted above or below the track and the system can also use a variety of encoders and limits for position control.

The ChainBeam master carriers are fitted with a profiled drive comb that engages with the chain allowing flexible positioning and for disengagement during commissioning and tensioning of the chain.

Large scenic items such as walls or led screens that are carried on multiple carriers which can all have drive combs, spreading the pulling force along the chain with the weight of the object taken by the track and carriers, not the chain itself.

Uniquely ChainBeam can be rolled to a minimum 2,000 mm radius with the chain guide in it for curved layouts that do not require the additional components and guides of other curved track systems.

Frequently used in prestige new build installations many standard and custom parts are machined in our own specialist machine shop to ensure precision and long service life.

Triple E Ltd



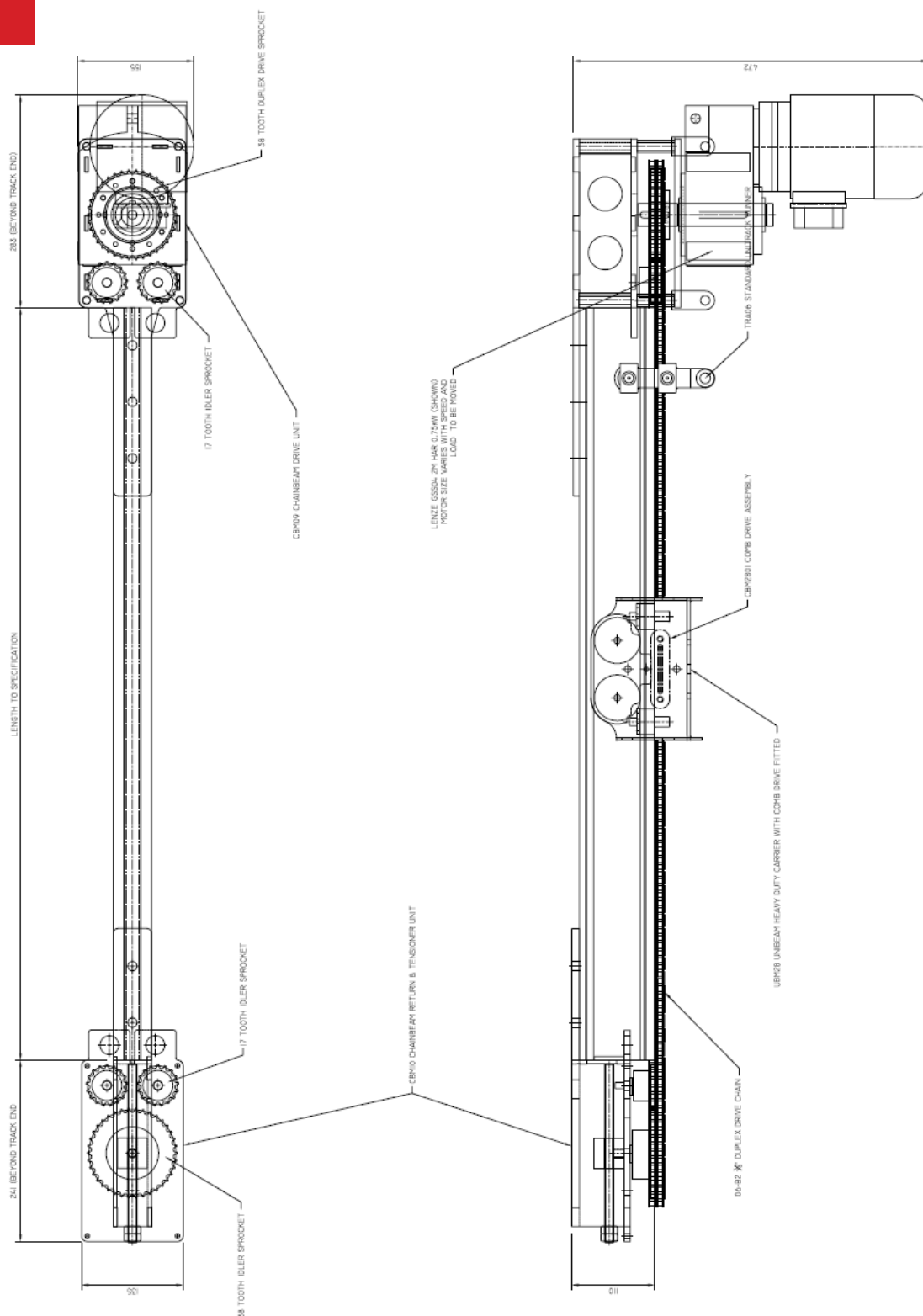
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ChainBeam

Basic layout



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