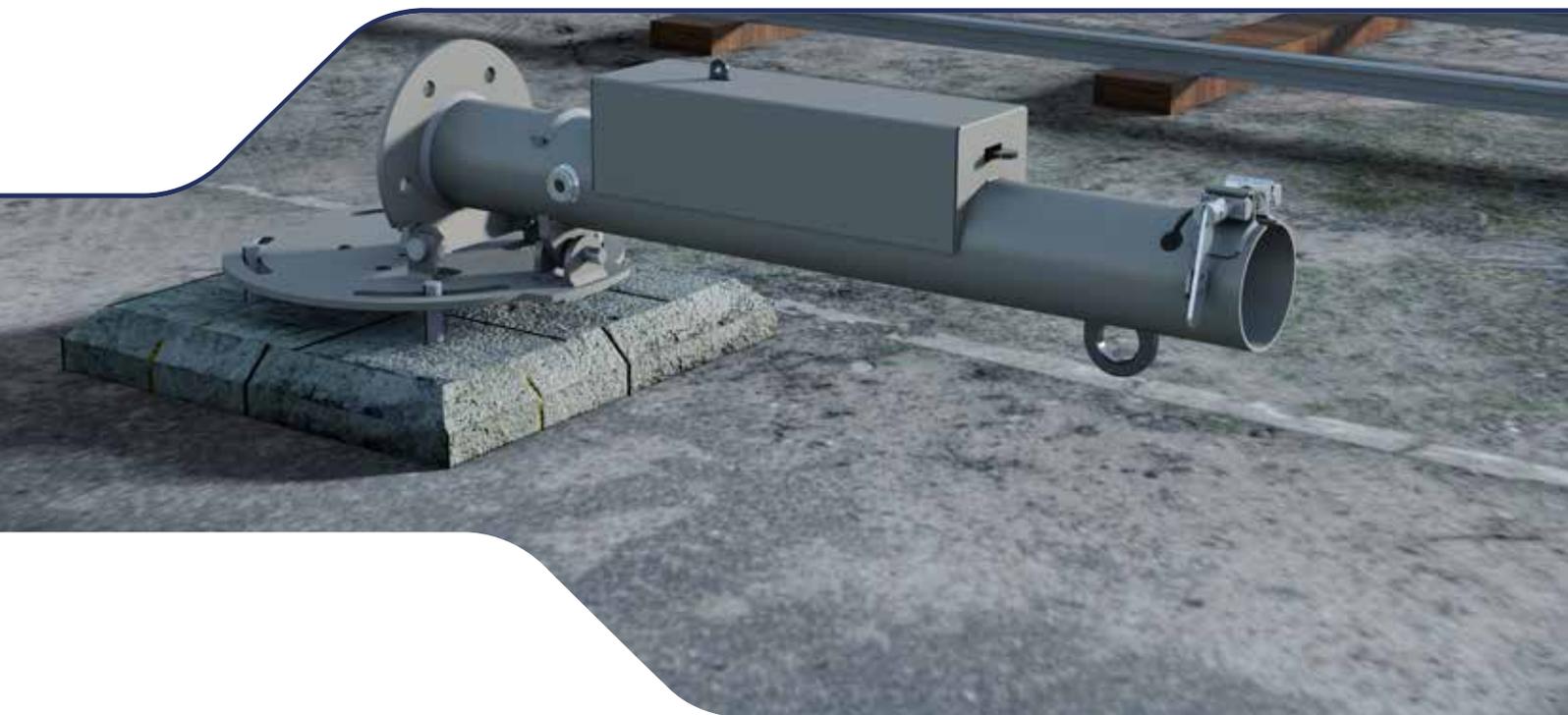


Assisted Lift Trunnion

by Unipart Dorman



HD ALT with double spring configuration for heavier head types

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INTELLIGENT ENGINEERING, UNIQUE PEOPLE, WORKING TOGETHER

As part of our continual drive to deliver world beating solutions to our rail customers, Unipart Dorman listened to strong customer feedback which indicated a need to reduce the amount of support equipment required to install and maintain lineside signals, whilst retaining the increased worker safety element of removing working at height risks delivered by using the Unipart Dorman Integrated Lightweight Signal.

By adopting a collaborative approach with customers and suppliers, Unipart Dorman developed the Assisted Lift Trunnion (ALT), which uses progressive rate spring technology to reduce the lifting force required as the post is moved from the horizontal to the vertical plane. The initial design exercise identified innovative cost saving manufacturing measures largely based upon digital design techniques such as 3D modelling and Augmented Reality and also allowed the customer to make recommendations on and view improvements to the design before any metal was cut.

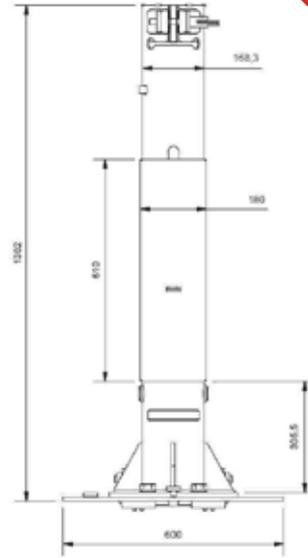
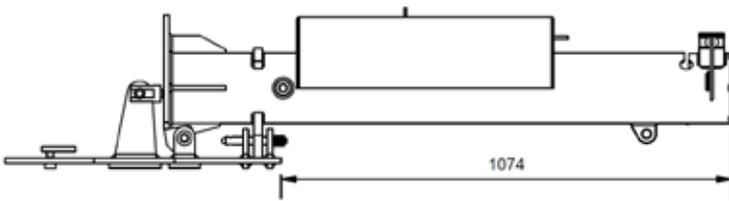
In 2018 a new requirement was raised by the industry for a bigger and better version of the ALT which would deliver a wider range of signals including heavier heads with 2 Junction Indicator arms or multiple route indicators for example. This drove the development of the HD ALT which uses a double spring configuration to deliver the same lifting force characteristics as the original ALT but enabling it to be used with heavier, more complex head types and taller posts. The HD ALT also utilised digital design techniques which fine tuned the internal Design for Manufacture process and customer's Design for Reliability and Ergonomic requirements.

Features & Benefits

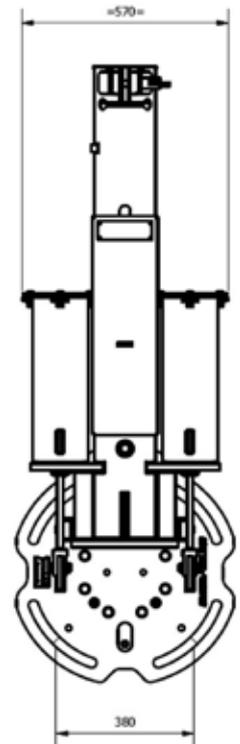
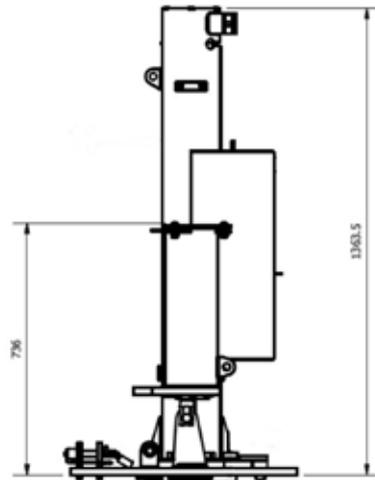
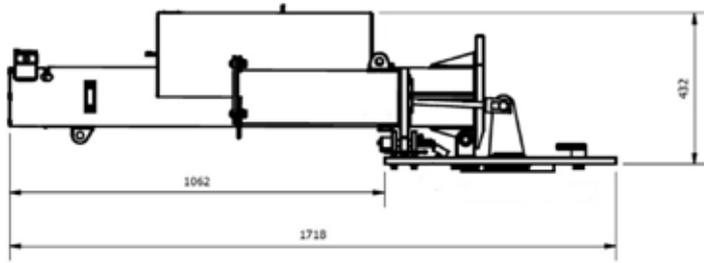
- Can be used for a wide range of signals including the Unipart Dorman Classic signal range, CLS LITE, Banner Repeaters, Route Indicators and Level Crossing Wig Wags
- Simplified installation using basic handtools
- Complies with PAN/E/CE 0017 (Project Advice Note - Signal Structures - 'Form A Guidance for Loading and Performance') and is subject to its own generic F001, F002, and F003 submission
- Signal sighting is done from ground level, allowing the trunnion to be installed and sighted in advance of signal post and head delivery to site
- After sighting, the trunnion can be secured in the horizontal position for extended periods using the hold down pin secured with a standard padlock
- Adaptor available to enable some types of classic signals to be mounted



Dimensions: ALT



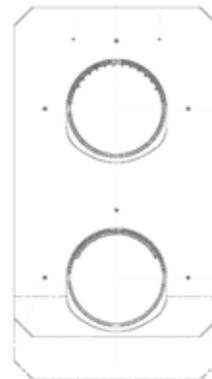
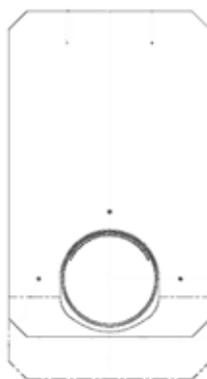
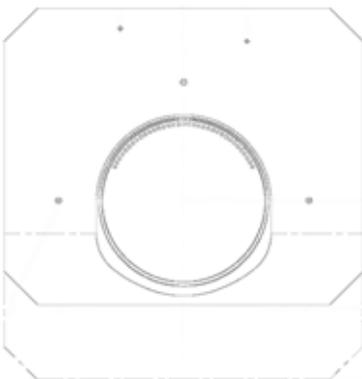
Dimensions: HD ALT



Both versions utilise a standard baseplate which conforms to drawing BRS-C-45

Assisted Lift Trunnion CLS LITE Head Types

Both versions of the ALT can be used with the Unipart Dorman CLS LITE signal heads which retain the maintenance free capability and are aligned from ground level without the need for remote viewing devices such as periscopes or cameras operating via Bluetooth.



For details on head types for use with ALT and HD ALT visit www.unipartdorman.co.uk

Assisted Lift Trunnion is approved for use with CCTV to order the Assisted Lift Trunnion CCTV mounting bracket quote CAT No: 0094/019266

About Unipart

The Unipart Group is a leading UK manufacturer, full service logistics provider and consultant in operational excellence. Operating across a range of market sectors, including automotive, manufacturing, mobile telecoms, rail, retail and technology, Unipart offers a breadth of services to a wide range of blue chip clients internationally.

Unipart Dorman

Wennington Road, Southport,
Merseyside, PR9 7TN

Tel: +44 (0) 1704 518000

Fax: +44 (0) 1704 518001

email: dorman.enquiries@unipartdorman.co.uk

www.unipartdorman.co.uk



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