THE BRACKET

Brackets for Security and Transportation Systems

Issue 7 of the Lunds Standard Bracket Catalogue
© 1 April 2008
All the brackets in this catalogue have been designed to interface with existing and specified equipment used throughout the London Underground and Rail Networks. Please note that Lund Bros. & Co. Ltd. do not supply any of this equipment.

The designs of these brackets are the intellectual copyright of Lund Bros. & Co. Ltd. and should not be copied or re-produced in anyway.

While Lund Bros. & Co. Ltd. use the finest quality materials in the design of their products we must stress that Structural Calculations have not been commissioned on any of the following brackets and each location and situation should be assessed by the client for structural integrity. The fixing of these structures to existing masonry or structural steel work is the sole responsibility of the client. Lund Bros. & Co. Ltd. Can supply Specification Sheets for each bracket type on request.

All the brackets in this catalogue are surface treated with either a zinc & passivated plating or a zinc rich spray or are manufactured from pre zinc coated steel sheet before powder painting. Spectrum 4 quality paint a low smoke / zero halogen mix to comply with the London Underground Safety requirements is applied as standard.

Please quote Part Numbers when ordering as this will aid our staff to ensure that the correct assembly will be delivered.

Some of the brackets are specific to equipment supplied by either the Metronet Alliance or Tubelines. Although the general construction of the brackets are the same in both cases the interface arrangement to the equipment will vary.

If you can not find a suitable bracket within this catalogue for your project, we are happy to undertake a design and build to suit any situation. Please contact us with your special instructions.
Introducing the Contract Drop Bracket a versatile bracket from our budget range. Offering a low cost alternative to our stronger standard 1 metre and 2 metre Drop Bracket range. This bracket is ideal in situations where the drop required is minimal i.e. inside canopies and on the side walls of platforms etc. and where budget restrictions apply. The bracket is available up to a 1000mm drop.

The Pivoting Head allows for a clear vertical drop, even if the bracket is mounted at an angle and the pivoting bottom plate allows pivotal movement in the opposite plane. This makes it ideal for wall mounting, especially in tunnel rings where the mounting angles vary, as well as the standard roof mounting.

The fixing plate is designed to fit directly to the standard Dennard Security Camera or alternative drillings allow the standard speaker to be mounted without the need for any adaptor plates. The drillings are identical on each end of the bracket, allowing it be mounted and orientated practically anywhere.

At the top and bottom of the bracket there are 21mm diameter holes for fitting 20mm conduit fixings with a back nut. Any wiring can be hidden inside the drop cavity. Additional conduit holes can be drilled into the structure using the existing 7mm holes as pilot positions.

The 1000mm Drop Bracket — Part No. 151105-460 measures 1056mm between fixing plate surfaces but may be cut down on site to a minimum of 136mm. The bracket is also offered as a 500mm Drop—Part No. 151105-450 when a shorter drop can be determined.

Fixing to existing structural metalwork is usually onto unistrut. An Adaptor Plate is available to hide the unistrut sub-structure if required. We can also supply a spreader plate and a clamp plate the same profile as the spreader plate to allow clamping over sections using M10 bolts or studding. The spreader plate assembly will also spread the load over a wider area if the bracket is exposed to high wind loads etc.

We have also developed a range of extras that bolt onto the bracket, a double speaker bracket to allow two speakers to be mounted either at the bottom of the drop bracket or as an addition by bolting it to the vertical face of the bracket. There is also available a double Camera Support that allows two cameras to be mounted to the bottom of the bracket. We can also offer a VESA mounting plate so that any standard LCD or PLASMA display can be attached (weight restrictions will apply). See next page for details of the extras available.

The Drop Bracket is manufactured entirely from sheet metal and has a gross weight of approximately 4 Kg at it’s maximum length of 1056mm. The bracket has a theoretical
deadweight load rating of approximately 150 Kg, not allowing for environmental conditions i.e. wind loadings etc.

The colour of the bracket is usually RAL9016 Traffic White to match the Security Camera and Speaker, but other colours are available on application. The bracket is manufactured from zintec a zinc coated cold rolled steel, an excellent rust inhibitor and powder painted to Spectrum 4, Low Smoke, Zero Halogen to comply with London Undergrounds Safety Standards.

The illustration on the left shows the bracket in its shortest form. The minimum length is 136mm overall of the fixing plates.

In this form the ability to run cabling through the stem will be lost and all wiring will have to be surface mounted.

The illustration also shows the hole centres for fixing the camera’s and speakers. You will note that the speaker bracket can be oriented in either direction.

The illustration below shows the bracket in its longest length of 1056mm overall of the fixing plates and the ability to pivot each end to 90 degrees making this the most versatile fixing bracket we have ever produced. We can even offer a pre-cut service and manufacture the brackets to any length (within the 136—1056mm range) providing that the quantities are high enough. Please ask for details and pricing.
CONTRACT DROP BRACKET
(Budget Range)

ACCESSORIES

A FULLY LOADED DROP BRACKET

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**SPREADER PLATE**
Part No. 151105-300
Attaches directly to the top fixing plate to spread the fixing load over a greater area for increased stability.

Plate size is 200 X 200 X 4mm thick and has 4 off M6 X 16mm long studs to attach the plate to the bracket.

Finish is powder paint to spectrum 4 standard

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**CLAMP PLATE**
Part No. 151105-034
Used to clamp over steel sections using Bolts or Studding to suit.

Plate size is 200 X 200 X 4mm thick.

Finish is powder paint to spectrum 4 standard
ACCESSORIES

DOUBLE CAMERA BRACKET
Part No. 151105-036

To be mounted on the base fixing plate. This add on bracket allows two cameras to be mounted, one on either side. The cameras can be orientated in 90 degree steps to face in all directions. Bracket size is 300 X 80 X 2mm thick zintec sheet and has a weight of 1.14Kg. Finish is powder paint to spectrum 4 standard.

DOUBLE SPEAKER BRACKET
Part No. 151105-021

The Double Speaker Bracket will fit directly to the fixing plate allowing for a low cost alternative for adapting the bracket to use two speakers. Manufactured from 3mm thick zintec the bracket has a weight of 0.76 Kg.

The Speaker can be orientated in 90 degree steps. This Bracket will also interface with the Standard Drop Bracket and the Post Clamp Bracket.

Finish is powder paint to spectrum 4 standard.
The Four Way Speaker Bracket will fit directly to the fixing plate allowing for a low cost alternative for adapting the bracket to use four speakers. Manufactured from 3mm thick zintec the bracket has a weight of 1.17 Kg.

The Speaker can be orientated in 90 degree steps. This Bracket will also interface with the Standard Drop Bracket and the Post Clamp Bracket.

Finish is powder paint to spectrum 4 standard
This Bracket has the standard 100 X 100 VESA hole configuration to mount most TFT/LCD displays up to 32". Allowances should be made if the unit is to be mounted outside and any environmental conditions must be considered because of the large surface area of a standard TFT/LCD display. Bracket size is 120 X 120 X 23mm and includes four M6 studs for mounting to the bottom fixing plate.

Finish is powder paint to spectrum 4 standard

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This Bracket has the standard 100 X 100 VESA hole configuration to mount most TFT/LCD displays up to 42". Allowances should be made if the unit is to be mounted outside and any environmental conditions must be considered because of the large surface area of a standard TFT/LCD display. Bracket size is 120 X 120 X 23mm and includes four M6 studs for mounting to the bottom fixing plate.

Finish is powder paint to spectrum 4 standard

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**ACCESSORIES**

**VESPA 100 BRACKET**

Part No. 151103-301

**VESPA 200 BRACKET**

Part No. 151103-302
151105-450 and 151105-460
CONTRACT DROP BRACKET
(Budget Range)

GALLERY
A few combinations to illustrate the versatility of the Contract Drop Bracket. Our designs are always customer driven and if you have any requirements that could be used to accessories or enhance the design of the bracket please contact us.
The Contract Post Clamp will take over from the standard Post Clamp as it has proven to be as strong as our original machined version but with a considerable cost advantage. Manufactured from sheet steel with a zinc coating (zintec) each half of the clam construction is drilled and bushed to accept either the standard Dennard Security Camera or a standard Speaker Unit.

Weighing only 1.33 Kg for the complete assembly it is light enough for single person installation. We have standardised on the two most popular Lighting Pole sizes of 3 inch (76.2mm) - Part No. 231105-200 and 3.5 inch (88.9mm) - Part No. 231105-210. Both of these sizes fit into the same footprint, the only difference being the cut-out diameter. Please state clearly pole diameter and correct part number when ordering.

The assembly is powder coated to Spectrum 4—a low smoke zero halogen mix to comply with LUL regulations.

The Double Speaker Bracket will fit directly to the fixing plate allowing for a low cost alternative for adapting the bracket to use up to four speakers. Manufactured from 3mm thick zintec the bracket has a weight of 0.76 Kg.

The Speaker can be orientated in 90 degree steps. This Bracket will also interface with the Standard Drop Bracket and the Contract Drop Bracket.
The Standard Drop Bracket has been designed to be as versatile as possible. There are two lengths available at 1 metre and 2 metres.

The Pivoting Head allows for a clear vertical drop, even if the bracket is mounted at an angle. The locking mechanism gives the Drop Bracket its required rigidity.

The base attachment plate is designed to fit directly to the Standard Security Camera and attachments are available to take variations of Camera & Speaker arrangements.

Wiring runs are accommodated at the top and bottom of the bracket with tapped holes for 25mm conduit fixing. Any unused conduit holes should be capped.

The Drop Rod may be cut down on site to suit—an 11mm hole will need to be drilled to re-attach to the top section.

Fixing to existing structural metalwork is usually onto unistrut. An Adaptor Plate is available to hide the unistrut sub-structure if required.

The 1 Metre Drop Bracket has a gross weight of approximately 9.5 Kg and the 2 metre Bracket 13 Kg. The maximum dead load carrying capacity is 450 Kg. It is advised to perform structural calculations on the bracket, to include load and environmental conditions to comply with L.U.L. safety regulations.

The bracket is usually supplied in White (NCS 1002-B) to match the Security Camera and Speaker or Grey (NCS 6502-R) to match most other equipment, alternate colours are available on application. The bracket is zinc plated before powder painting to give good protection.

A low smoke / zero halogen mix is used as standard to comply with the London Underground Safety requirements, please notify us if this is not required.

The bracket, when correctly fixed complies to the IP65 standard BS EN 60529 for water and dust ingress.
This arrangement allows for a Single Security Camera to be fixed directly to the 1 Metre or 2 Metre Standard Drop Bracket.

The Bracket and the Camera can be orientated in steps of 90 degrees and the camera can be tilted to the correct viewing angle using the existing bracket.

The Bracket should be securely fixed to existing steelwork or a sound brick or block work structure.

DOUBLE CAMERA BRACKET
Part No. 151103-036

To be mounted on the base fixing plate. This add on bracket allows two cameras to be mounted, one on either side. The cameras can be orientated in 90 degree steps to face in all directions.

Bracket size is 300 X 80 X 2mm thick zintec sheet and has a weight of 1.14Kg.

Finish is powder paint to spectrum 4 standard.
The Single Speaker Bracket is fixed directly to either the 1 Metre or 2 metre Standard Drop Bracket—see arrangement on the right.

Manufactured from 3mm thick zintec sheet and painted to match the Drop Bracket the Speaker Bracket can be orientated in steps of 90 degrees and the speaker can be tilted using the existing brackets pivoting arrangement. The Bracket has a weight of 0.47 Kg.

The Double Speaker Bracket is fixed directly to either the 1 Metre or 2 metre Standard Drop Bracket—see arrangement on the left.

Manufactured from 3mm thick zintec the bracket has a weight of 0.76 Kg.

The Speaker can be orientated in 90 degree steps. This Bracket will also interface with the Contract Drop Bracket and the Contract Post Clamp Bracket.
4 Way Speaker Bracket  
**Part No. 151105-022**

The 4 Way Speaker Bracket is fixed directly to either the 1 Metre or 2 metre Standard Drop Bracket—see arrangement on the left.

Designed to attach four speakers and manufactured from 3mm thick mild steel sheet (CR4) and painted to match the Drop Bracket the Speaker Bracket can be orientated in steps of 90 degrees and the speakers can be tilted using the existing speaker bracket arrangement.

The bracket has a weight of 1.17 Kg.

This Bracket will also interface with the Contract Drop Bracket.

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Short Speaker Bracket  
**Part No. 221105-500**

The Short Speaker Bracket is specifically for mounting a Speaker Unit onto either the 200mm or 300mm Adaptor Plate—See page 8.

This bracket arrangement can also be used for suspension on Unistrut where a low profile is required.

The weight of the bracket is 1.17 Kg.
This arrangement allows for any Unistrut fixings to be concealed. The Adaptor Plate screws directly to the Unistrut Zebedees and the cover fits between the Adaptor Plate and any further brackets or equipment.

The drillings in the Adaptor Plate allow for Cameras, Speaker Brackets and the Standard Drop Bracket to be suspended.

Two sizes are available. 200mm Square Part No. 211105-500 & 300mm Square Part No. 211105-510

Prices quoted are for the Adaptor Plate & Cover.

The Adaptor Plate is Zinc Plated and the Cover is painted to match the equipment—normally Ral 9016 Traffic White.
The Bracket Assembly consists of two drop arms and is designed to interface with a Data Display Video Display (LED) VID2563205 which has an approximate weight of 150Kg. The drop length will be fixed at either 100mm (131005-100) or 200mm (131005-200).

The design of the bracket allows the VID Unit to be hooked on to aid assembly on site and to give an added degree of security.

As this is a rigid design we have kept the maximum standard drop length to 200mm as standard, beyond that we suggest that the Adjustable Drop VID Bracket be used to allow pivotal movement through the drop arms. We can manufacture these brackets at various lengths to a maximum of 250mm, please contact us for prices if ordering a non standard length.

The Top Fixing Plate has fixing slots to allow a fit to either the standard unistrut fixing method or direct fixing to the steelwork with Lindapters.

The main structure will be of 50mm X 50mm X 4mm Hot Finished Structural Hollow Section to BS EN 10210 or equivalent. All Plates and Brackets will be Mild Steel Plate or Bar to EN3 or equivalent.

The assembly is zinc plated and powder painted to suit.
1000mm Adjustable Drop VEID Brackets

Part No. 300106-400 or 300106-600 (Tubelines Variant)

and

2000mm Adjustable Drop VEID Brackets

Part No. 300106-500 or 300106-700 (Tubelines Variant)

This versatile Bracket Assembly is designed to interface with a Data Display Video Display (LED) VID2563205 which has an approximate weight of 150Kg.

We also manufacture a Tubelines Variant that interfaces with either a 2 Line or 3 Line Single or Double Sided Video Display (LED) COM-DRW-00044 to COM-DRW-0047. Please state the correct variant when ordering.

The supplied drop length will be either 1000mm or 2000mm to the top of the VEID unit and may be cut down to suit on site to a minimum of 500mm. The Standard Top Fixing Plate with its unique pivoting head is ideal if using the standard unistrut fixing method or direct fixing to the steelwork with Lindapters. It is also suitable for tunnel ring fixing as shown below. The assembly has precision machined transitions and is allowed to pivot with air movement and will be stable enough not to require any further bracing.

The main structure is manufactured from 50mm X 50mm X 4mm Hot Finished Structural Hollow Section to BS EN 10210 or equivalent. All Plates and Brackets will be Mild Steel Plate or Bar to EN3 or equivalent. The one metre drop assembly has a nett weight of 36 Kg and the two metre assembly 47.3 Kg.

Cable runs are through the top and bottom conduit points on the uprights.

The assembly is zinc plated and powder coated (Low Smoke, Zero Halogen) to suit. All fixings used will be stainless steel.

View showing typical tunnel ring fixing
The Passenger Awareness Monitor Adaptor Bracket provides an interface between the Passenger Awareness Monitor and either the standard 1 or 2 metre Drop Bracket, the Contract Drop Bracket or the purpose built Wall Bracket either Single (Part No.281105-250) or Double (Part No.281105-300). The tilting mechanism allows for an adjustable read angle of up to 45 degrees. Once the correct viewing angle is established the bracket can be locked in position.

The Adaptor Bracket is manufactured from 3mm thick zintec for strength and is powder painted to match the equipment.

The drillings on the bracket are designed to interface directly to the rear of the PAM as sketched on the right. The drillings on the other leaf are configured to interface with our standard brackets.
Single Passenger Awareness Monitor with Standard Drop Bracket
For Illustration only

This arrangement allows for a Passenger Awareness Monitor to fit directly to the Standard 1 metre Drop Bracket or the new contract drop bracket by means of the Passenger Awareness Monitor Adaptor Bracket

**Part No.281105-200**

The Bracket can be orientated in steps of 90 degrees.

The tilting mechanism allows for an adjustable read angle of up to 45 degrees.

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**DOUBLE CAMERA BRACKET**
Part No. 151103-036

The Double Camera Bracket can also be used to take two Passenger Awareness Monitors positioned on either the Standard Drop Bracket or the Budget Drop Bracket.

To be mounted on the base fixing plate. This add on bracket allows two P.A.M. units to be mounted, one on either side.

The tilting mechanism on the P.A.M. Adaptor Bracket allows for an adjustable read angle of up to 45 degrees.

Bracket size is 300 X 80 X 2mm thick zintec sheet and has a weight of 1.14Kg.

Finish is powder paint to spectrum 4 standard

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Two PAM Units mounted on a Contract Drop Bracket

Two PAM Units mounted on a Standard Drop Bracket
Single PAM Wall Mounted Bracket
Part No.281105-250

The Swivel Plate allows the monitor 180 degrees of rotation.

The Wall Bracket is a fully welded fabrication and has an approximate weight of 4 Kg.

Recommended wall mounting is by M12 Kemfix Bolts or equivalent.

The assembly is Zinc Plated and powder painted to Spectrum 4 standard. All fixings used will be stainless steel.

Double PAM Wall Mounted Bracket
Part No.281105-300

The Swivel Plate allows each monitor 30 degrees of rotation.

The Wall Bracket is a fully welded fabrication and has an approximate weight of 5 Kg.

Recommended wall mounting is by M12 Kemfix Bolts or equivalent.

The assembly is Zinc Plated and powder painted to suit. All fixings used will be stainless steel.
THVID Single Adaptor Plate
Part No. 301105-001 (Metronet Variant)

This arrangement allows for a THVID Monitor to fit to either the Standard 1 meter Drop Bracket or the Contract Drop Bracket by use of an adaptor plate.

Manufactured from 10mm thick mild steel plate the bracket has a nett weight of 1.53Kg.

The Bracket can be orientated in steps of 90 degrees. The finish is Zinc Plate and Powder Paint to Spectrum 4 standard.

The existing tilting mechanism on the THVID allows for an adjustable read angle of up to 45 degrees.

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THVID Double Adaptor Plate
Part No. 301105-002 (Metronet Variant)

This arrangement allows for two THVID Monitors to fit to either the Standard 1 meter Drop Bracket or the Contract Drop Bracket by use of an adaptor plate.

Manufactured from 10mm thick mild steel plate the bracket has a nett weight of 3.85Kg.

The Bracket can be orientated in steps of 90 degrees. The finish is Zinc Plate and Powder Paint to Spectrum 4 standard.

The existing tilting mechanism on the THVID allows for an adjustable read angle of up to 45 degrees.
Single THVID Monitor Wall Mounted Bracket
Part No. 301105-250 (Metronet Variant)

The existing tilting mechanism on the THVID unit allows for an adjustable read angle of up to 45 degrees and the Swivel Plate allows the monitor 180 degrees of rotation.

The Wall Bracket has an approximate weight of 13.5 Kg.

Wall mounting is by M12 Kemfix Bolts or equivalent.

The assembly is Zinc Plated and powder painted to Spectrum 4 standard. All fixings used will be stainless steel.

Double THVID Monitor Wall Mounted Bracket
Part No. 301105-300 (Metronet Variant)

The existing tilting mechanism on the THVID units allow for an adjustable read angle of up to 45 degrees and the Swivel Plates allows each monitor 30 degrees of rotation.

The Wall Bracket has an approximate weight of 14 Kg.

Wall mounting is by M12 Kemfix Bolts or equivalent.

The assembly is Zinc Plated and powder painted to Spectrum 4 standard. All fixings used will be stainless steel.
The Adaptor Bracket provides an interface between the Ticket Hall Information Display (Tubelines Variant) and either the Standard Drop Bracket, the Contract Drop Bracket or the THID Wall Bracket (131006-250). The Bracket can be orientated in steps of 90 degrees and the tilting mechanism allows for an adjustable read angle of up to 45 degrees.

The Adaptor Bracket has an approximate weight of 1.93 Kg.

The assembly is Zinc Plated and powder painted to Spectrum 4 standard. All fixings used will be stainless steel.
THID Wall Mounted Bracket
Part No. 131006-250 (Tubelines Variant)

The adjustable swivel plate allows the monitor 180 degrees of lateral rotation and the THID Adaptor Bracket (131006-200) provides vertical movement to adjust for the correct read angle.

The Wall Bracket has an approximate weight of 13 Kg. Recommended wall mounting is by M12 Kemfix bolts or equivalent.

The assembly is Zinc Plated and powder painted to Spectrum 4 standard. All fixings used will be stainless steel.

The Ticket Hall Information Display mounted to the THID Wall Mounted Bracket.
The Gantry Structure is designed to interface with a Data Display Video Display (LED) VID2563205 which has an approximate weight of 150Kg.

We also manufacture a Tubelines Variant that interfaces with either a 2 Line or 3 Line Single or Double Sided Video Display (LED) COM-DRW-00044 to COM-DRW-0047. Please state the correct variant when ordering.

An access panel is located on the vertical section to accommodate any cable breaks—this is retained with security fixings. The base plate has 4 radial slots to allow for positional adjustment when fixing.

The top section of the structure can be orientated in 90 degree steps.

The Gantry Structure has an approximate weight of 234 Kg.

Recommended fixings are 4 off M16 (25) Liebig Safety Anchors 150mm long into a suitable dense concrete base.

The main structure will be of 150mm X 150mm X 4mm Hot Finished Structural Hollow Section to BS EN 10210 or equivalent. All Plates and Brackets will be Mild Steel Plate or Bar to EN3 or equivalent.

The assembly is zinc coated and powder painted to the Spectrum 4 standard. All fixings used will be stainless steel.

See Drawing on Page 27 for Base Fixing Details.
The Double Gantry Structure is designed to interface with two Data Display Video Displays (LED) VID2563205 which have an approximate weight of 150Kg each.

We also manufacture a Tubelines Variant that interfaces with either a 2 Line or 3 Line Single or Double Sided Video Display (LED) COM-DRW-00044 to COM-DRW-0047. Please state the correct variant when ordering.

An access panel is located on the vertical section to accommodate any cable breaks, this is retained with security fixings. The base plate has 4 radial slots to allow for positional adjustment when fixing.

The top section of the structure can be orientated in 90 degree steps.

The Gantry Structure has an approximate weight of 250 Kg.

Recommended fixings are 4 off M16(25) Liebig Safety Anchors 150mm long into a suitable dense concrete base.

The main structure will be of 150mm X 150mm X 4mm Hot Finished Structural Hollow Section to BS EN 10210 or equivalent. All Plates and Brackets will be Mild Steel Plate or Bar to EN3 or equivalent.

The assembly is Zinc coated and powder painted to Spectrum 4 standard. All fixings used will be stainless steel

See Drawing on Page 27 for Base Fixing Details
NOTES.

SLOTS ARE 26mm wide for fixing down positions.
USE Ø20 - Ø24mm STAINLESS STEEL STUDS IN A SUITABLY PREPARED BASE.
OR USE LIEBIG SAFETY BELTS S M16 - 25/100/40 OR EQUIVALENT.

STRUCTURAL CALCULATIONS SHOULD BE CARRIED OUT TO DETERMINE THE
SIZE AND DEPTH OF THE BASE FOUNDATION.
FOLLOW THE STRUCTURAL ENGINEERS REPORT FOR THE CORRECT SIZE FIXINGS.

LUND BROS. & Co. Ltd. TAKE NO RESPONSIBILITY
FOR INCORRECT FIXING - IT IS THE END USERS
RESPONSIBILITY TO MAKE SURE THAT
STRUCTURAL CALCULATIONS HAVE BEEN UNDERTAKEN
AND HAVE BEEN APPLIED AND ADHERED TO.

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SINGLE GANTRY FOR VIEC UNIT

| BASE PLATE |
| INSTALLATION |

| MATERIAL: 20mm THICK MILD STEEL PLATE |
| BS EN 10029: 1983/BS EN 10051: 1992 |

LUNDS

180505-900

ART NO: A4

DATE 22-Feb-06

LUND BROS DESIGN A4 TEMPLATE
The Bracket Assembly is designed to interface with a Data Display Video Display (LED) VID2563205 which has an approximate weight of 150Kg.

We also manufacture a Tubelines Variant that interfaces with either a 2 Line or 3 Line Single or Double Sided Video Display (LED) COM-DRW-00044 to COM-DRW-0047. Please state the correct variant when ordering.

The main structure is 120mm X 120mm X 4mm Hot Finished Structural Hollow Section to BS EN 10210 or equivalent. The Wall plate is 750mm X 200mm X 20mm thick steel. All Plates and Brackets will be Mild Steel Plate or Bar to EN3 or equivalent.

The weight of this structure is approximately 86Kg and should be fixed to a brick or dense block wall with either M12 Kemfix bolts or, if fixing to a single skin wall, drilled through with a backing plate and suitable studding fixings.

The assembly is Zinc coated and powder painted to Spectrum 4 standard. All fixings used will be stainless steel.
The Interface Plate, manufactured from 6mm steel plate, provides a stable fixing point to mount the Train Mass Detector to either the Standard Drop Bracket or the Contract Drop Bracket. The tilting mechanism is part of the existing TMD bracket kit and allows for an adjustable angle.

Weighing in at just under 2Kg the load is spread over a large surface area to improve stability.

The assembly is Zinc coated and powder painted to Spectrum 4 standard. All fixings used will be stainless steel.
The 3 Camera Wall Bracket has been designed by customer request. The extended arm (1 metre long) can be cut down to suit and the wall plate will allow for 4 off M12 fixings—either through the wall stud fixing or Kemibolts of a suitable length.

The main structure will be of 40mm X 40mm X 4mm Hot Finished Structural Hollow Section to BS EN 10210 or equivalent. All Plates and Brackets will be Mild Steel Plate or Bar to EN3 or equivalent.

The assembly is Zinc coated and powder painted to Spectrum 4 Standard. All fixings used will be stainless steel.
The Gallows Assembly is designed to accept three cameras—primarily for train stop locations. Any Camera combination can be accommodated—please state your requirements at point of order.

An access panel is located on the vertical section to accommodate any cable breaks—this is retained with security fixings. The base plate has four 25mm holes for fixing.

The top section of the structure can be rotated by up to 10 degrees to allow for any positional discrepancies.

The Gantry Structure has an approximate weight of 144 Kg.

Recommended fixings are 4 off M16(25) Liebig Safety Anchors 150mm long into a suitable dense concrete base.

The main structure will be of Ø168.3 X 8mm Thick Hot Finished Structural Hollow Section to BS EN 10210 or equivalent. All Plates and Brackets will be Mild Steel Plate or Bar to EN3 or equivalent.

The assembly is Zinc coated and powder painted to the Spectrum 4 standard. All fixings used will be stainless steel.
Single Gallows for Large ANDU
Part No.230106-500

Designed specifically to meet the requirements of the Rail Network this Gallows Style Gantry is ideal for suspending the Data Display “ANDU” units. The height and reach of the suspending arm is customer driven to suit all sites while maintaining the minimum clear height clearance of 2.4 metres.

We also have available a Double Gallows Style Gantry, please phone 01903 784242 for details and latest pricing.