

**DLHONLINE**



# LIFTING DAVIT GUIDE



# DLHONLINE Lifting Davits

## Overview

This comprehensive guide to lifting davits has been compiled to help you to select the right lifting davit for your application. However, expert advice is always available from our sales team – by telephone: 0161 223 1990 or by email: [sales@dale-lifting.co.uk](mailto:sales@dale-lifting.co.uk)

When people think of lifting davits they generally consider them primarily used on boats and ships for lifting and lowering small craft. But, in addition to marine uses, industrial lifting davits cover a much wider range of duties in portable and stationary applications in many other locations including tall structures, roof tops, workshops, vehicles, utility works and below ground.

Standard lifting davits are available with manual or powered hoist and or winch lifting apparatus. These are mostly designed solely for lifting goods and machinery. And are not therefore suitable for carrying people. However, certified man riding models are also available for suspension and rescue requirements.

We can provide a standard or bespoke davit to meet all your needs. We provide custom engineered systems across all the industries we serve. Although we offer a wide variety of standard products, we are aware that many projects are unique and therefore require unique solutions. We take great pride in “over delivering” on those unique challenges.

This guide offers advice by application and by type with specification on each standard model available with links to further information and, if you need it, a no-obligation quotation request service for all products outlined.



**[dlhonline.co.uk](http://dlhonline.co.uk) 0161 223 1990**

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# DLHONLINE Lifting Davits

## Types available

Lifting davits are considered the most effective solution for remote work site applications where standard cranes and standard lifting apparatus would be too cumbersome or expensive to provide.

### Portable Davits



Portable lifting davits which can easily be dismantled into manageable components and carried to the work site for manual erection on a fixed socket mounted at each location.

They offer a cost effective solution and provide a safe method of lifting and handling loads in close proximity up to 1,000 kg.

### Stationary Davits

Stationary davits, either on a fixed base or socket can be utilised for permanent in-situ immediate use or where repetitive handling is required.

These can offer greater load capacity and greater reach.

The davit crane shown on the right provides enough horizontal reach to clear the edge of the building and enough vertical height to lift large loads over the curb along the edge of the roof.

The winch has been modified to accommodate lifts over 60 metres below roof level.



### Bespoke Davits



Bespoke models can be designed for special applications and fixing requirements such as machine or structure mounting.

This uniquely designed mobile catwalk crane is fitted with a slide-out platform that extends beyond the crane base making it able to support the payload.

Very long reach options may also be possible, but for controllability over an extended working envelope a portable mobile gantry, fixed swing jib or light crane track may be more effective.

# DLHONLINE Lifting Davits

## Types available

Lifting davits can be provided to meet all industries and applications where a lightweight, compact lifting crane is needed.

## Mountings

In addition to stationary davits which are required for permanent site position, There are various socket mounted models which are designed to be portable. These offer multi-site use and major cost savings as one davit can be mounted on multiple sites as and when required. Utilising permanently installed low cost sockets in-situ where needed.

These sockets vary in design but are generally available in three standard configurations:

Pedestal or surface mounted. Usually fixed with four or more resin anchor bolts, These are particularly suited for retro-fitting to existing floor slabs or plinths. They also increase the working height of the davit.

Flush or cast-in sockets which are embedded into a concrete slab or sometimes in an existing slab which is core drilled. This type is particularly useful in confined spaces where a pedestal socket would be a trip hazard.

Wall or side mounted sockets for resin anchored attachment to concrete walls or bolted to steel structures or machines.



## Standard socket types available:



Special sockets can be designed to suit specific requirements such as mounted within fabricated structures or on machines etc.

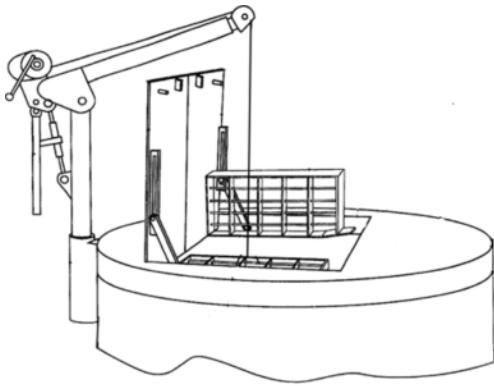
Standard sockets are offered in a durable galvanised finish. Some lifting davit models can also be provided in special paint finishes and in stainless steel for harsh environments.



# DLHONLINE Lifting Davits

## Applications

### Waste Water Plants



Maintenance of a wastewater plant can be labour intensive. Placing pumps and mixers, lifting them out of tanks for maintenance; it all takes time and effort. Portable and stationary davit cranes help boost efficiency of these operations.

For lifting submerged pumps in wet wells etc. portable lifting davits have been the preferred option for many decades.

Different methods for actually lifting the pumps have employed:

### Pump Lifting Methods

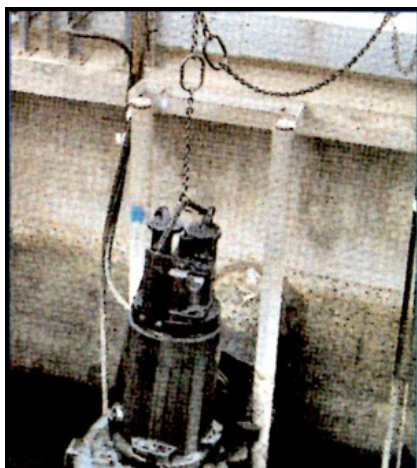
For shallow wells the blue rope method with a sliding hook is sometimes used. A looped rope is passed through the pump hoop and a hook assembly is spliced the rope and the rope is fixed to a cleat or rail at the top of the chamber. When lifting is required, the hook assembly is attached to the lifting davit hoist or winch rope and the hook is travelled down the rope loop to hook onto the pump to lift it.



For deeper wells, a permanent pump lifting chain or wire rope method should be employed. Over the years various methods have been adopted.

The most common method is to use a short drop chain attached to a separate anchor point on the davit arm and another longer chain attached to the pump.

By using the davit hoist or winch, the pump is lifted in stages by raising the pump chain to the height of the davit, then transferring the load chain to the drop chain hook and then taking another bite of the pump chain to raise it further until the pump is clear for rotation.



Probably the most popular method for use with a lifting davit hoist is galvanised or stainless steel short link pump lifting chain with a welded lifting ring or link a one metre intervals (See photo left) to which the lift hoist and bite hooks can be alternately attached.

Continued next page

# DLHONLINE Lifting Davits

## Applications

### Pump Lifting Methods - continued



Another method is to use a short link pump chain and have safety grab hook assemblies attached to the anchor point and the hoist so that the grab hook can attach to any link for the lift and bite method. The pump chain is fed through the hoist grab link and then through the anchor point link. Although less expensive this method is surprisingly rarely used.

**Special Note.** The use of uncertified long link chain which can accept a shackle through the links has been banned by the Health and Safety Executive and must never be used for lifting application.



Until recently, using a lifting davit and winch with the wire rope attached to the pump meant that the lifting davit had to remain in position.

However, Lifting davit manufacturers:Thern have devised a detachable rope system. For quickly attaching or removing wire rope.

The wire rope dead end is equipped with a swaged ball fitting. This allows the operator to leave the wire rope attached to the load at all times and simply remove the rope from the winch.

To secure the rope at the site, Thern also supply an optional cable storage reel and wire rope keeper plate which can be attached to or near the davit socket ready for the next lift.

Using stainless steel rope offers a much cheaper method of pump lifting than chain and it allows the davit to be stored or used elsewhere.

Swaged Ball Fitting



Wire Rope Keeper

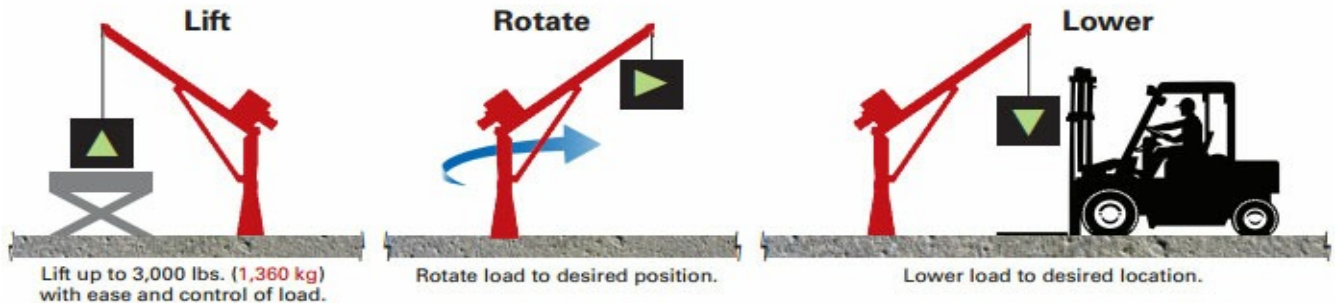


Wire Rope Cable Reel

# DLHONLINE Lifting Davits

## Applications

### Manufacturing



Portable and stationary lifting davits are ideal for workshops for tool changing, reel changing and maintenance tasks.



Sockets can be positioned within each work area without taking up valuable operator space. The lifting davit can be quickly installed as and when required. Some models are available with a de-mountable mobile wheeled base.

For food processing areas, lifting davits and or sockets can be provided in all stainless steel finish including winches and ropes.

Cost effective with low cost installation.



#### Davit Installation

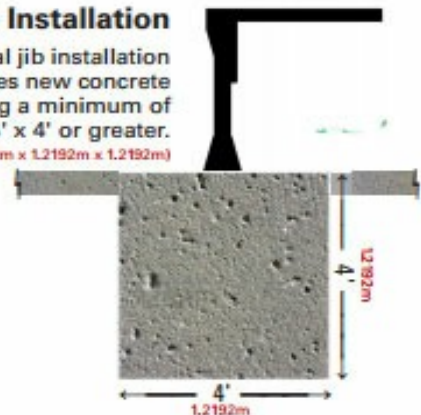
In typical Thern davit installations, the base is simply anchored to existing industrial floor slab with 4 anchor bolts.

Additional bases can be installed in multiple locations.



#### Jib Installation

Typical jib installation requires new concrete footing a minimum of 4' x 4' x 4' or greater. (1.2192m x 1.2192m x 1.2192m)





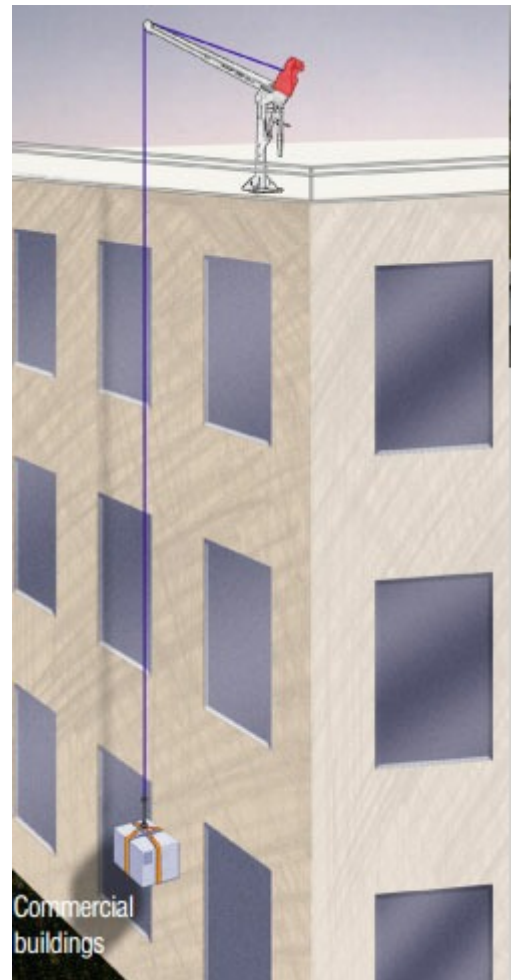
# DLHONLINE Lifting Davits

## Applications

### HVAC and Maintenance

Heating, Ventilating and Air Conditioning (HVAC) applications typically involve mounting davit cranes topside on multi-story buildings.

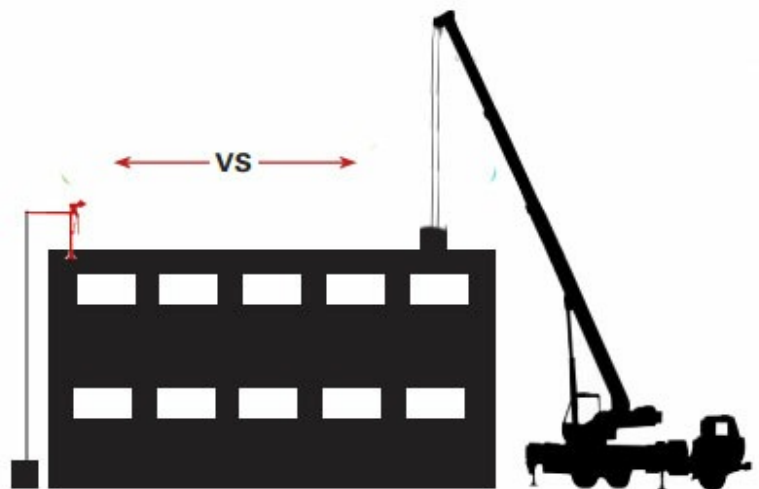
Lifting davits are ideal for raising and lowering HVAC equipment during installation and maintenance.



### Major savings on crane hire

#### Rooftop Installations

Ther davit cranes installed on rooftop applications provide an economical, permanent solution for lifting tools, maintenance and HVAC equipment versus expensive mobile crane rentals.



# DLHONLINE Lifting Davits

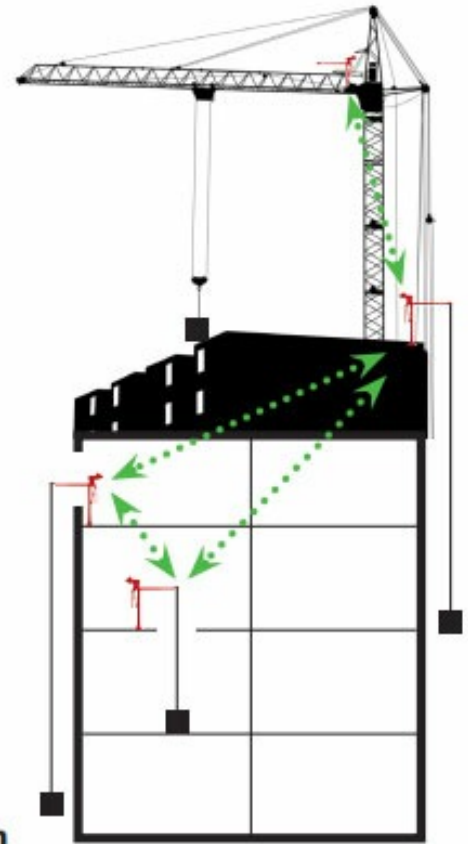
## Applications

### Construction

Construction sites have many uses for portable davit cranes. Contractors often require lifting power at multiple locations.

Lifting davit cranes can provide them with the load handling power they need in portable, compact units.

Socket can be temporarily or permanently installed to the structure or floor slabs.

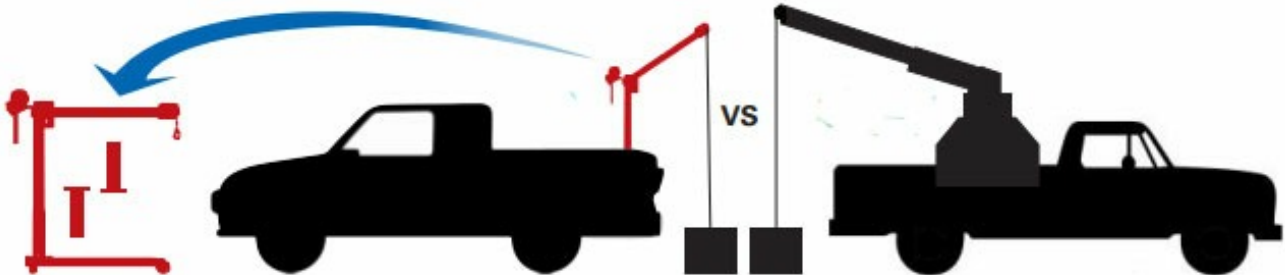


### Construction Site Applications

For small lifts up to 2,000 lbs (907 kg).  
Then davit cranes offer a convenient, portable, economical alternative vs on-site oversized tower cranes.

### Truck Mounting

Lifting davits are perfect for truck mounting, we can provide the right equipment for the job.



- Wheel
- Wall
- Flush
- Pedestal

Lightweight, portable, electric or hand operated. Use in truck, or remove and install in shop using a variety of other bases.

Heavy-duty, expensive truck and equipment. Limited use to truck access. Permanent, cannot be removed.

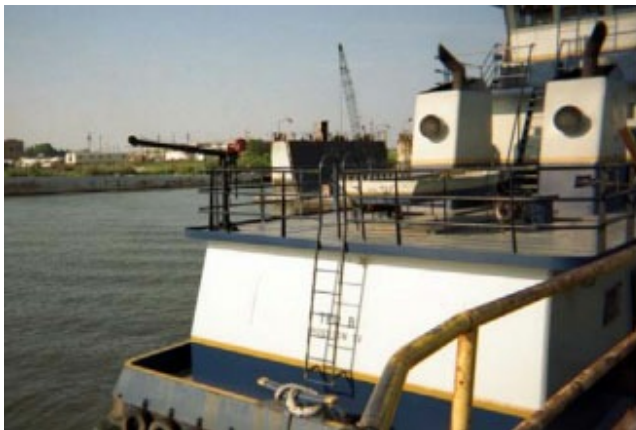
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## Applications

### Marine

Lifting davits provide easy mast rotation for load positioning, boom extension for adjustable reach and can be finished with special marine coatings to withstand the harshest environment.

Whether on shore or at sea, lifting davit cranes and winches are ideal for marine based service.



Maritime applications include deck mounted lifting davits and winches for load handling, pipe suspension etc.—all of which can be efficiently and economically handled with the versatility, power and durability of a lifting davit.

### Aerospace and Defence



When reliable load handling is essential to critical operations, government agencies around the world use lifting davits.

Whether at airfields lifting hatches off jets or on communications towers hoisting maintenance equipment, even on submarines,

Lifting davits can be designed to meet the most demanding specifications and perform dependably in challenging environments.

Please don't hesitate to contact our sales team to discuss your application in more detail




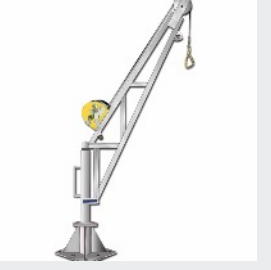


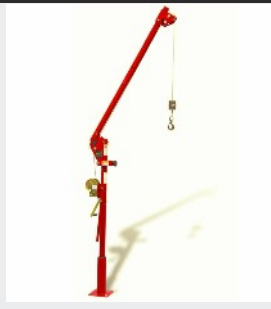

# DLHONLINE Lifting Davits

## Types available

### Davit Models

The range available is designed to meet varying requirements and models are available in steel, aluminium and stainless steel.

This overview of the types offered has page links to detailed specifications for each model

<p><b>Lean-Over Galvanised Steel Lifting Davits with Winch</b></p> <p>250 kg to 500 kg</p>	<p><b>Lean-Over Galvanised Steel Lifting Davits</b></p> <p>500 kg to 1000 kg</p>	<p><b>Split Pillar Galvanised Steel Lifting Davits</b></p> <p>260 kg to 500 kg</p>	<p><b>Confined Space Rescue Galvanised Steel Davits</b> man riding 136 kg and goods 200 kg</p>
			
<p>Economically priced Portable davits fitted with lifting wire rope Winch - <a href="#">More info...</a></p>	<p>Economically priced Portable davits for use with hoist and slave chain - <a href="#">More info...</a></p>	<p>Economically priced Portable davits for use with hoist and slave chain - <a href="#">More info...</a></p>	<p>Portable davits for rescue applications a full arrest block must be attached - <a href="#">More info...</a></p>
<p><b>Confined Space Work and Rescue Galvanised Steel Davits</b></p> <p>Man Riding to 136 kg</p>	<p><b>Thern First Mate Series 5122 Portable Lifting Davit Crane with winch</b></p> <p>225 kg capacity</p>	<p><b>Thern Ensign Series Portable Davit Cranes</b> Models 5PA5 227 kg and 5PA10 544 kgs</p>	<p><b>Thern Commander Series 5PT10 544 kg 5PT20 907 kg</b> Portable Lifting Davit with Manual or Electric Winch</p>
			
<p>Portable davit fitted with a man-riding winch and fall arrest rescue block - <a href="#">More info...</a></p>	<p>Corrosion-resistant finishes: galvanized, 304 stainless steel, 316 stainless steel, and epoxy - <a href="#">More info...</a></p>	<p>Corrosion-resistant finishes: galvanized, 304 stainless steel, 316 stainless steel, and epoxy - <a href="#">More info...</a></p>	<p>Corrosion-resistant finishes: galvanized, 304 stainless steel, 316 stainless steel, and epoxy - <a href="#">More info...</a></p>

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# DLHONLINE Lifting Davits

Types available - continued

## Davit Models

This overview of the types offered has page links to detailed specifications for each model

<p><b>CMU300 - 300 Kg Portable Aluminium Lifting Davit - 2 metre reach</b></p>	<p><b>CMU300T - 300 Kg Portable Aluminium Lifting Davit with Winch 2 metre reach</b></p>	<p><b>CMU500 - 500 Kg Portable Aluminium Lifting Davit 1.5 metre reach</b></p>	<p><b>CMU500T - 500 Kg Portable Aluminium Lifting Davit 1.5 metre reach</b></p>
			
<p>Portable davits for use with hoist and slave chain Optional height extension - <a href="#">More info...</a></p>	<p>Portable davits with wire rope winch Optional height extension - <a href="#">More info...</a></p>	<p>Portable davits for use with hoist and slave chain Optional height extension - <a href="#">More info...</a></p>	<p>Portable davits with wire rope winch Optional height extension - <a href="#">More info</a></p>
<p><b>Thern Admiral Series 5PT30 1363 kg Portable Lifting Davit with Manual or Electric Winch</b></p>	<p><b>Thern Captain 660 kg and 1,000 kg Fixed Lifting Davit Cranes</b></p>	<p><b>Easy Lift Davit - 500 kg WLL Lightweight Aluminium Davit</b></p>	<p><b>Bespoke Lifting Davits designed to meet your specific requirements</b></p>
			 <p>Special davit crane built to lift UV panels at water treatment facilities</p>
<p>Corrosion-resistant finishes: galvanized, 304 stainless steel, 316 stainless steel, and epoxy - <a href="#">More info...</a></p>	<p>Corrosion-resistant finishes: galvanized, 304 stainless steel, 316 stainless steel, and epoxy - <a href="#">More info</a></p>	<p>Portable davits for use with hoist and slave chain - <a href="#">More info...</a></p>	<p>Can't find the model to suit you job? We can provide one off specials - <a href="#">More info...</a></p>

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# DLHONLINE Lifting Davits

## Models and Specifications

With portable and stationary lifting davits with capacities from 225 kg to 1360 kg, there is a solution for just about every job or environment.

**COMALU** ultra lightweight davits in aluminium for one man portability are offered with winch operation or for chain block suspension.

[See video here.](#)



**THERN** range of Davits and winches are world class steel lifting davits in painted, galvanised or stainless steel with manual or electric winches

[See a video here.](#)



Bespoke models can also be provided by THERN. Use our online form to enter your requirements.

**DALE** UK manufactured galvanised steel lifting davits are an economy option with various socket diameters. Plus man-riding options for rescue and work suspension. Please contact us for your non-standard requirements.

**Easy Lift** aluminium lifting davit is a popular lightweight lifting davit made in the UK

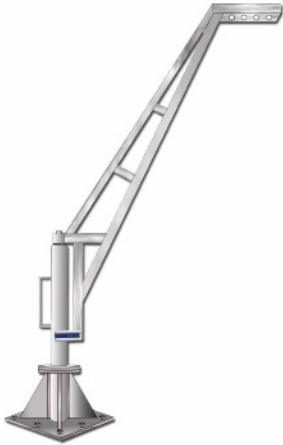
All portable models are offered with cast-in, surface mounted or wall mounted sockets as standard. However, special mounts are also available on request.

You are very welcome to contact our sales team for advice on the right lifting davit for your application. Information on installation or to discuss your specific requirements in more detail. Telephone 0161 225 1990 or email [sales@dale-lifting.co.uk](mailto:sales@dale-lifting.co.uk)



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# DLHONLINE Lifting Davits



## Galvanised Steel Lean-Over (Cranked arm) Lifting Davits - 500 kg 1000 kg

These UK manufactured Lifting Davits in galvanised steel provide transportable hoist suspension for multi-site applications – Latest design with 360° rotational Nylon bearings allow easy and accurate positioning of the load. Working load capacities are available up to 1000 kg

The range offers precision made lifting equipment to match your operatives handling expectations and site location requirements.

These lifting davit cranes are socket mounted for siting in restricted spaces, at the side of hand-railing or locations where obstacles or remote site access prevents standard cranes being deployed.

These robust yet economical lifting davits are truly transportable as they can be easily dismantled for manual handling and are available in various sizes and capabilities to meet your load requirements. For more non-standardised solutions talk to our sales team.

Davit model Nos. and dimensions in mm

Model	SWL kg	A Spigot Dia. (mm)	B Overall Height	C Max Reach	D Suspension Height	Post weight Kg	Jib Weight kg	Cast in socket Part No.	Pedestal socket Part No	Wall socket Part No.
D50K204	500	76	2095	1050	2000	16	23	SA4	SA5	SA6
D50K211	500	76	2145	1200	2050	19	25	SA4	SA5	SA6
D50K215	500	76	1900	760	1805	16	20	SA4	SA5	SA6
D50K224	500	65	2095	1050	2000	25	25	SA1	SA2	SA3
D50K230	500	65	1995	760	1900	20	20	SA1	SA2	SA3
D50K235	500	76	2300	800-1200	2000	25	25	SA4	SA5	SA6
D75K41	750	90	2095	1070	2000	25	25	SA10	SA11	SA12
D100K36	1000	90	2095	1070	2000	25	25	SA10	SA11	SA12

Suspension holes 26mm dia.

[Find out more ▶](#)

### NOT SUITABLE FOR LIFTING PERSONS

**Optional Extras** to meet your special requirements are available/ Options include:

Hook suspension manual chain hoists in standard or anti-corrosion finish

Hook suspension electric hoists in choice of voltages with various lift heights to suit your application.

Galvanised or stainless steel screw pin or safety shackles

Galvanised or stainless steel snub lift chain with shackle suspension and suspension hook

Galvanised or stainless steel pump lifting chain with rings at 1000 mm intervals plus shackles to suit load connection requirements.

### Sockets

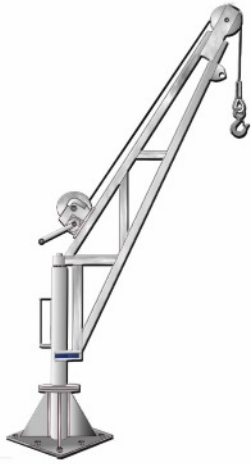
A range of galvanised socket types are available to order for use with your new davit. These davit sockets can also be ordered separately for your existing davit(s), subject to socket diameter (Please contact us for prices).

Lifting davit sockets are readily available for flush mounting (Cast-in), surface mounted (Pedestal) or Wall /side mounted applications

Special Note - To comply with statutory regulations and manufacturers installation instructions each socket fixing will require proof load testing after installation and before being taken into use. Subject to location we can undertake this work and provide a report of proof test. Please contact us for a quotation.

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# DLHONLINE Lifting Davits



## Lean-Over Galvanised Steel Lifting Davits with Winch- 250 kg to 500 kg

These UK manufactured Lifting Davits in galvanised steel provide transportable hand winch lifting for multi-site applications – Latest design with 360° rotational Nylon bearings allow easy and accurate positioning of the load. Working load capacities are available up to 500 kg..

These lifting davits with stainless steel winches offers precision made lifting equipment to match your operatives handling expectations and site location requirements. These lifting davit cranes are socket mounted for siting in restricted spaces, at the side of hand-railing or locations where obstacles or remote site access prevents standard cranes being deployed.

These robust yet economical lifting davits are truly transportable as they can be easily dismantled for manual handling and are available in three sizes and two capabilities to meet your load requirements. For more non-standardised solutions talk to our sales team.

Model	SWL kg	A Spigot Dia. (mm)	B Overall Height	C Max Reach	Standard Winch Model	Max. Rope length metres	Post weight Kg	Jib Weight kg	Cast-in socket Part No.	Pedestal socket Part No	Wall socket Part No.
D25K206	250	76	2000	1000	HW-CS30	10	18	24	SA4	SA5	SA6
D25K195	250	76	2000	1000	HW-CS80	20	20	25	SA4	SA5	SA6
D50K202	500	76	2000	1000	HW-CS80	10	20	20	SA4	SA5	SA6

Suspension hole 26mm dia.

[Find out more ▶](#)

Standard stainless steel winches supplied with these davits are YALE HW-CS winches click here for more information  
**SPECIAL NOTE** - Winch models can vary dependent on length of rope required. Hand winches are typically rated at 1st layer capacity. For subsequent layers the capacity is reduced. For full rope capacity on the drum, the capacity can often be reduced by half or more. For applications where longer length ropes are required we will offer higher capacity winches. For applications where the load will be less than the davit capacity a smaller winch can be used and the davit will be de-rated accordingly. Standard ropes are stainless steel with thimble eye and eye type latch hook  
 Please specify the rope operating length and load capacity required and we will quote for the correct rope and winch for your application.

### **NOT SUITABLE FOR LIFTING PERSONS**

Optional extras to meet your special requirements are available

Options include:

Galvanised or stainless steel screw pin or safety shackles

Galvanised or stainless steel snub lift chain with shackle suspension and suspension hook

Galvanised or stainless steel pump lifting chain with rings at 1000 mm intervals plus shackles to suit load connection requirements.

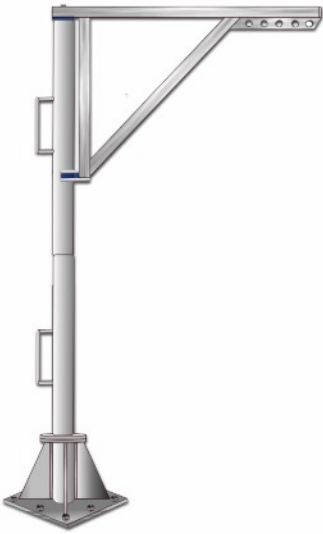
Sockets - A range of galvanised socket types are available to order for use with your new davit. These davit sockets can also be ordered separately for your existing davit(s), subject to socket diameter (Please contact us for prices).

**Lifting davit sockets** are readily available for flush mounting (Cast-in), surface mounted (Pedestal) or Wall /side mounted applications.

Special Note - To comply with statutory regulations and manufacturers installation instructions each socket fixing will require proof load testing after installation and before being taken into use. Subject to location we can undertake this work and provide a report of proof test. Please contact us for a quotation



# DLHONLINE Lifting Davits



## Galvanised Steel Split Pillar Lifting Davits - 250 kg - 500 kg

These UK manufactured Lifting Davits in galvanised steel provide transportable hoist suspension for multi-site applications – Latest design with 360° rotational Nylon bearings allow easy and accurate positioning of the load. Working load capacities are available up to 500 kg

The range offers precision made lifting equipment to match your operatives handling expectations and site locational requirements. These lifting davit cranes are socket mounted for siting in restricted spaces, at the side of hand-railing (Very good swing height clearance) or locations where obstacles or remote site access prevents standard cranes being deployed.

- These robust yet economically priced lifting davits are truly transportable as they can be easily dismantled for manual handling and are available in various sizes and capabilities to meet your load requirements. For more non-standardised solutions talk to our sales team.

Davit model Nos. and dimensions in mm									
Model	SWL kg	A Spigot Dia. (mm)	B Suspension Height	C Max Reach	Post weight Kg	Jib Weight kg	Cast-in socket Part No.	Pedestal socket Part No	Wall socket Part No.
SJD264	250	100	2000	1000	21 + 21	16	TBA	TBA	TBA
SJD239	250	100	2000	1200	21 + 21	17	TBA	TBA	TBA
SJD365	500	100	2000	1000	25 + 25	18	TBA	TBA	TBA
SJD490	500	100	2000	1200	25 + 25	20	TBA	TBA	TBA

Suspension holes 26mm dia.

[Find out more ▶](#)

### NOT SUITABLE FOR LIFTING PERSONS

Optional extras to meet your special requirements are available

Options include:

Hook suspension manual chain hoists in standard or anti-corrosion finish

Hook suspension electric hoists in choice of voltages with various lift heights to suit your application.

Galvanised or stainless steel screw pin or safety shackles

Galvanised or stainless steel snub lift chain with shackle suspension and suspension hook

Galvanised or stainless steel pump lifting chain with rings at 1000 mm intervals plus shackles to suit load connection requirements.

### Sockets

A range of galvanised socket types are available to order for use with your new davit. These davit sockets can also be ordered separately for your existing davit(s), subject to socket diameter (Please contact us for prices).

Lifting davit sockets are readily available for flush mounting (Cast-in), surface mounted (Pedestal) or Wall /side mounted applications.

Special Note - To comply with statutory regulations and manufacturers installation instructions each socket fixing will require proof load testing after installation and before being taken into use. Subject to location we can undertake this work and provide a report of proof test. Please contact us for a quotation

# DLHONLINE Lifting Davits



## Confined Space Rescue Galvanised Steel Davits Capacity 136 kg man-riding 200 kg goods

These UK manufactured portable rescue Davits in galvanised steel provide transportable person recovery and load lifting for multi-site applications – Latest design with 360° rotational Nylon bearings allow easy and accurate positioning.. Working load capacities: man riding 136 kg and goods 200 kg

This unit offers precision made work equipment to match your operatives handling expectations and site location requirements. These rescue davit cranes are socket mounted for siting at ladder access points to confined spaces for emergency rescue, They can be positioned at the side of hand-railing or locations where obstacles or remote site access prevents standard cranes being deployed. When used for rescue applications a full arrest block must be attached (Supplied separately)

Davit model Nos. and dimensions in mm							
Model	SWL man riding kg	SWL Goods Kg	Spigot Dia.	Height mm	Max Reach	Max. Component weight Kg	Winch rope length metres
D20K30	136*	200	75	2000	1000	25	50
D20K37	136*	200	90	2000	1500	30	50

[Find out more ▶](#)

\*Fall arrest blocks available up to 30 metres (Add to your enquiry)

These robust yet economically priced rescue and goods lifting davits are truly transportable as they can be easily dismantled for manual handling and are designed to meet your personnel access requirements. For more non-standardised solutions talk to our sales team.

### Features and benefits

- UK manufacture ensures quality construction, traceability and EC conformity
- Robust construction for durability and long service life. De-mountable sections allow for manual installation and ease of portability
- Hot dip galvanised steel construction for use in demanding environments
- Rotational Nylon bearings allow 360° rotation for easy and accurate load positioning
- Choice of davit sockets for safe operation in multiple positions and site locations
- Davit arm is fitted with a man-riding winch with an up/down clutch locking mechanism. Manufactured from steel with a baked enamel finish, the winch has a 50 cm per handle turn allowing for rapid retrieving of the cable. This unit has many applications such as confined space entry, manholes and chemical vessels, etc. The operative can be winched up or down to safety almost immediately. As most rescue systems lower the casualty, the winch can raise the operative to safe area, if the area below is unsuitable. The winch has a working length of 50 metres.
- The Man-riding rescue retrieval winch function is for use only as a rescue provision & NOT for access / egress.
- This arrangement must be backed up with a independent separate fall arrest system
- Declaration of conformity meets EU Machinery Directive 2006/42/EC\*
- Installation and operating instructions are provided.

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# DLHONLINE Lifting Davits



## Galvanised Steel Split Pillar Work and Rescue Davits - Man Riding to 136 kg

These UK manufactured work and rescue Davits in galvanised steel provide transportable person suspension for multi-site applications – Latest design with 360° rotational Nylon bearings allow easy and accurate positioning.. Working load capacities 136 kg

This unit offers precision made work equipment to match your operatives handling expectations and site location requirements.

These work and rescue davit cranes are socket mounted for siting in restricted spaces, at the side of hand-railing or locations where obstacles or remote site access prevents standard cranes being deployed.

These robust yet economically priced work and rescue davits are truly transportable as they can be easily dismantled for manual handling and are designed to meet your personnel access requirements. For more non-standardised solutions talk to our sales team.

Davit model Nos. and dimensions in mm							
Model	SWL kg	Spigot Dia.	B Suspension Height	C Max Reach	Max. Component weight Kg	Winch rope length metres	Standard Retrieval block length metres.
SJD489	136	100	1900	1200	25	50	15*

\* Retrieval blocks available up to 30 metres (contact us for details)

[Find out more ►](#)

Optional extras to meet your special requirements are available - contact us for more details.

Options include:

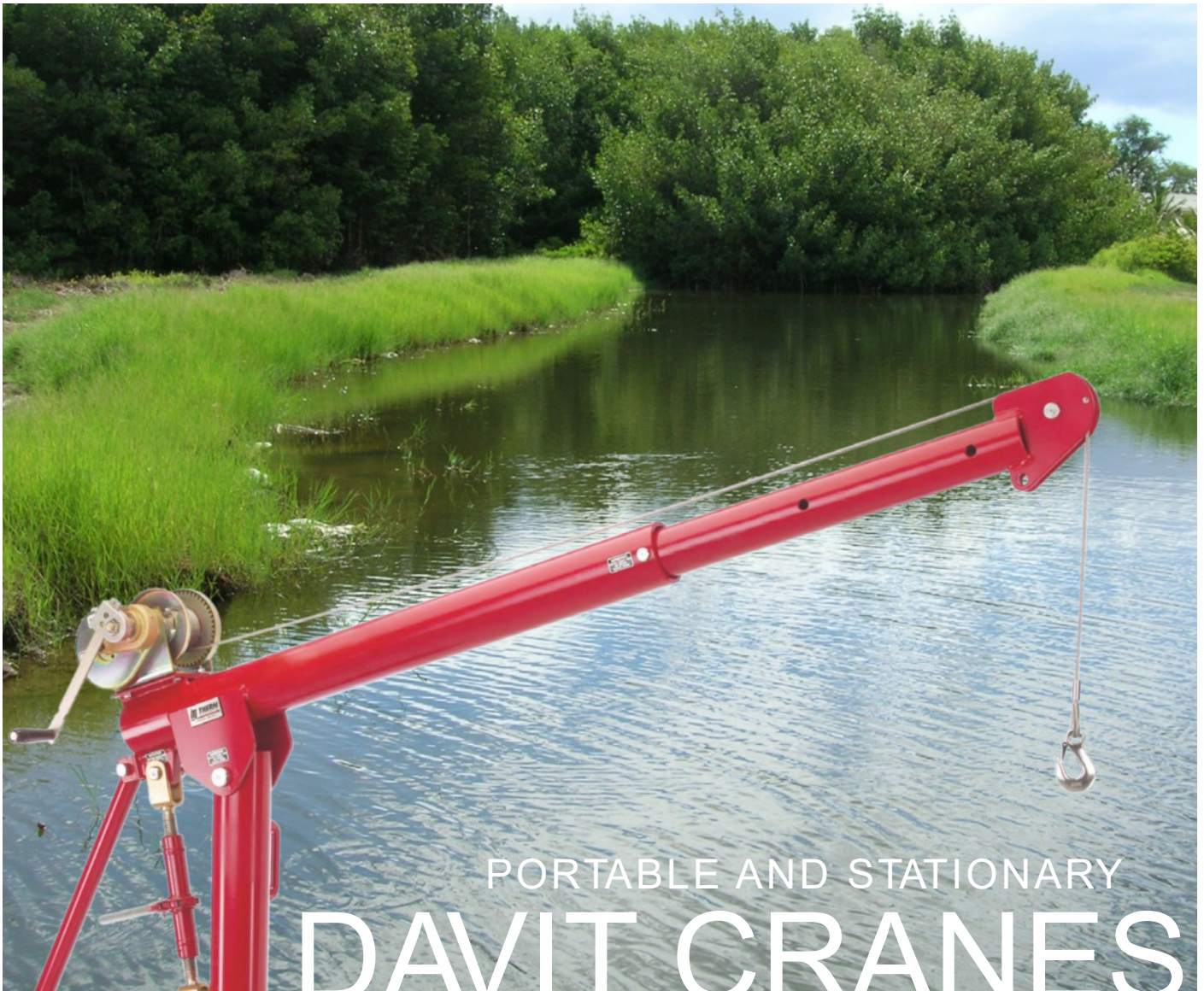
- Retrieval safety harness
- Combination seat and safety harness
- Bosons chair and harness
- Sockets

A range of galvanised socket types are available to order for use with your new davit.

Lifting davit sockets are readily available for flush mounting (Cast-in), surface mounted (Pedestal) or Wall /side mounted applications.

Special Note - To comply with statutory regulations and manufacturers installation instructions each socket fixing will require proof load testing after installation and before being taken into use. Subject to location we can undertake this work and provide a report of proof test. Please contact us for a quotation

# DLHONLINE Lifting Davits



PORTABLE AND STATIONARY  
**DAVIT CRANES**



*LEAVE THE HEAVY LIFTING TO US*

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# DLHONLINE Lifting Davits

*All Industries*



Water/Wastewater

Marine

Construction

Oil & Gas

Manufacturing

Utilities/Power  
Generation

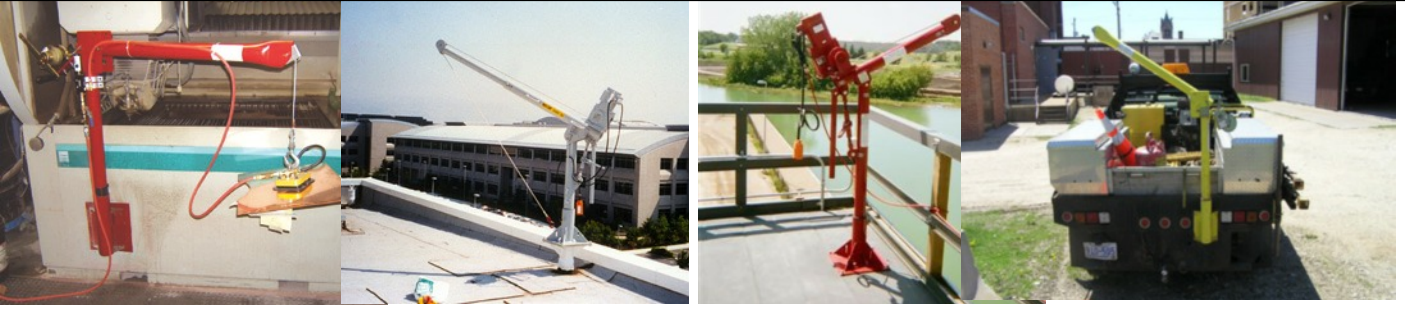
Defence/Government

Bulk Handling



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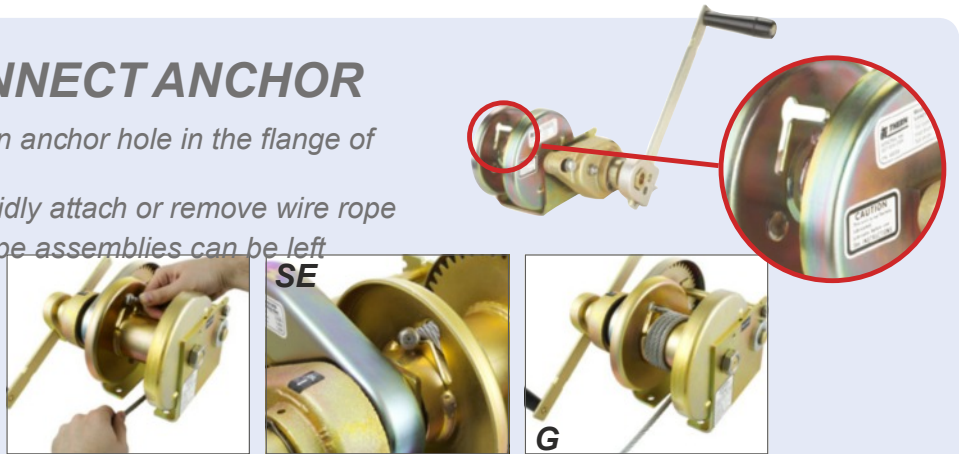
# DLHONLINE Lifting Davits



## Then Rugged STEEL Cranes Work Harder

- **QUICK DISCONNECT ANCHOR**

Wire rope is secured to an anchor hole in the flange of the drum, allowing you to rapidly attach or remove wire rope from the crane so wire rope assemblies can be left permanently attached to submersed pumps while the crane is moved to a



- **HAND OR POWER OPERATION**

Then Davit Cranes can be configured with a manual winch for short, infrequent lifts, or a power winch for longer lifts or



- **MULTI-TASKER**  
EASILY MOVED FROM ONE STATION TO THE NEXT

One crane and multiple bases can take care of a variety of tasks throughout a facility. Our easy-to-

# DLHONLINE Lifting Davits



*... to Make Your Work Easier*



- **ADJUSTABLE BOOMS**  
**TELESCOPING & 360° ROTATION**

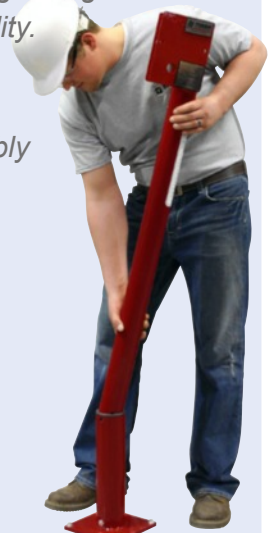
*Booms adjust to different positions for operation. Cranes rotate 360° in a*



- **QUICK DISASSEMBLY**  
**FOR EASY PORTABILITY**

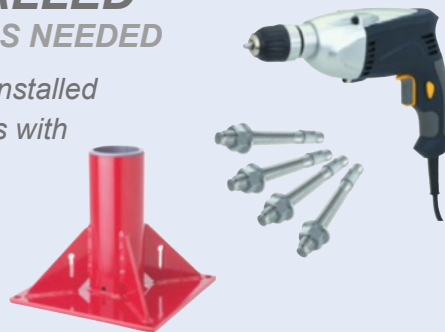
*Designed for maximum performance. Lightweight for easy portability.*

*Quick-release pins allow for quick disassembly for transport or storage. No tools*



- **EASILY INSTALLED**  
**NO SPECIAL TOOLS NEEDED**

*Our bases are easily installed to a variety of surfaces with anchor bolts or other*





# DLHONLINE Lifting Davits

## **FIRST MATE** SERIES

### LIFTS LOADS UP TO 227 kg

Like a favourite tool in your toolbox, Thern's First Mate series portable davit cranes can be used for a large variety of smaller lifting jobs. Their simple set-up makes them easy to use and easy to transport, making them ideal for multiple station service. With multiple bases in place, the Thern First Mate goes anywhere you need it.



Model  
5122M1

- *Light and portable*
- *Simple and affordable*
- *Quick-Disconnect Anchor*
- *Accepts manual winch*
- *Rotates 360°*
- *Durable - Rugged - Reliable*
- *Available in 5 finishes*  
Powder Coat Paint, Galvanized,  
304 & 316 Stainless Steel, 3-Part Epoxy Paint
- *2-Year Standard Warranty*

MADE IN USA 

Continued next page...

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# DLHONLINE Lifting Davits

## **FIRST MATE** SERIES

### Features & Benefits



Swaged ball fitting allows for easy installation of wire rope assemblies. Four drum wraps required for proper operation.

boom  
27 lbs  
12.3 kg

hand winch  
17 lbs  
7.7 kg



#### QUICK DISCONNECT ANCHOR

On end of wire rope. For quickly attaching or removing wire rope equipped with a swaged ball fitting.

#### MANUAL or POWER OPERATION

An economical solution to your lifting needs, Thern davit cranes can be configured with a spur gear hand winch equipped with automatic disc brake for load control on short, infrequent lifts; or a power winch for longer lifts and heavier loads. Winch is located behind the crane at the right height for ergonomic operation.

#### NYLATRON FLANGE BEARING

Supports the mast at the top of the base and assists with the crane's smooth rotation.

#### ROLLER ASSEMBLY

Crane mast and boom rotate on a bolt and roller assembly located in the bottom of the base.

#### CRANE STANDARDS

- CE cranes available
- PE stamp available upon request
- ISO 9001:2008 Registered



#### 2-YEAR WARRANTY

Industry-leading two-year limited warranty.



mast  
25 lbs  
11.3 kg

flange bearing



pedestal base  
18 lbs  
8.2 kg

Model 5122M1

Model 5122M3SS

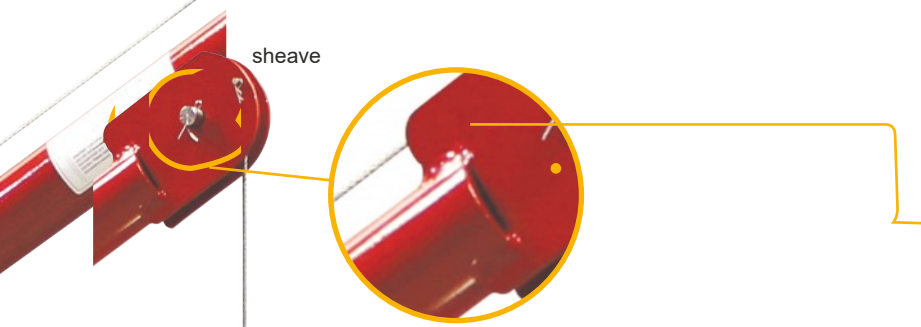
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# DLHONLINE Lifting Davits

## **FIRST MATE** SERIES



sheave

wire rope



Clevis style pins for quick release, boom adjustments,



powder coat



stainless steel



galvanised

### WELDED STEEL CONSTRUCTION

Crane boom, mast and base fabricated from heavy duty structural steel that limits deflection and meets ASTM standards. Features a built-in 3:1 design factor that stands up to abuse.

### CORROSION RESISTANT FINISH

Electrostatic powder coating on crane, zinc plating on winches, and stainless steel fasteners combine to resist corrosion in harsh environment. Other options available including galvanized and stainless steel.

### ADJUSTABLE BOOM ANGLE

With 2 different positions for operation, and folds down for storage or transport.

### CRANE ROTATES

360° in a sleeve bearing on the base for ease of positioning load.

### STAINLESS STEEL PINS

Clevis style pins for quick release, boom adjustments, and fold down for storage.

### WIRE ROPE ASSEMBLY

Available in a variety of lengths in galvanized and stainless steel. Sold separately.

### HEADACHE BALL

Clamped to wire rope to keep cable taut when no load is attached. Sold separately.

### EASY ASSEMBLY & DISASSEMBLY (FOLD-DOWN)

Quick-release pins allow for easy assembly and quick disassembly for transport or storage. No tools required.

### VARIETY OF BASES

Pedestal, flush and wall mount bases allow for removal of the mast. Wheel base also available. Bases sold separately.



1



2



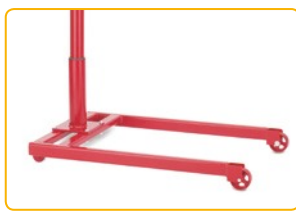
3



4

headache ball

load hook



Find out more 

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MADE IN USA 

DLHONLINE

Lifting Davits



INTRODUCING A  
NEW SPECIES OF  
DAVIT CRANE

 **ENSIGN**

Series

 **THERN**



Made in the USA

CE

ISO  
9001:2008  
REGISTERED

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# DLHONLINE Lifting Davits



**NEW**

## SERIES FEATURES

Continues next page

### ADJUSTABLE SHEAVE BLOCK

Sheave easily adjusts without tools to 4 different positions allowing for a wide range of height and reach combinations.

### ADJUSTABLE BOOM ANGLE

Convenient stainless steel adjustment screw, with comfortable turning knob, allows for easy, one-hand boom adjustment when not under load.

### QUICK-MOUNT WINCH BRACKET

A variety of Thern winches can be attached to the bracket. After a winch is attached to the bracket, the bracket is easily mounted (without tools) to any of three convenient/ergonomic positions on the mast via quick-connect pins.

### ROLLER/BALL BEARING\*

Standard on Ensign 1000, the specially designed roller/ball bearing at top of base requires no tools for installation. Allows smooth, easy 360° crane rotation under load.

### STAINLESS STEEL LOCK\*

Stainless steel lock assembly keeps crane in position during winch operation and when not in use. Included with roller/ball bearing.

### NYLATRON FLANGE BEARING

The Ensign 500 features a nylatron bearing that supports the mast at the top of the base to assist with the crane's 360° smooth rotation.



Swaged ball fitting allows for quick and easy



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# DLHONLINE Lifting Davits



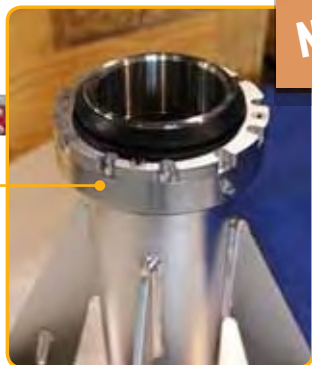
## TRADITIONAL FEATURES

**ENSIGN**  
**1000**

544 LBS  
1200

CAPACITY 1200 LB / 544 KG

NEW



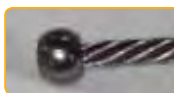
Pedestal



Flush Mount



Wall



Swaged Ball



Wire Rope



Wire Rope

### MANUAL OR POWER OPERATION

Thern davit cranes can be configured with a manual winch for short, infrequent lifts or a power winch for longer lifts or heavier loads. Choose from Thern's spur or worm gear hand winches or power winches with 115/1/60 as standard. Other voltages available as well as pneumatic, hydraulic or DC Volt power operation.

### CORROSION RESISTANT FINISH

Electrostatic powder coated crane and stainless steel fasteners combine to resist corrosion in harsh environments. Other options available include: galvanized, stainless steel and epoxy finishes.

### EASY ASSEMBLY/DISASSEMBLY

Quick-release clevis style stainless steel pins allow for easy assembly and quick disassembly for transport or storage. No tools required.

### VARIETY OF BASES

Pedestal, flush and wall mount bases allow for a variety of mounting solutions and are easily installed to a variety of solid surfaces with anchor bolts or other fastening methods. Bases sold separately. Heavy-duty base cap included with lanyard keeps water and debris out of base when crane is removed.

### QUICK DISCONNECT ANCHOR

For quickly attaching or removing wire rope

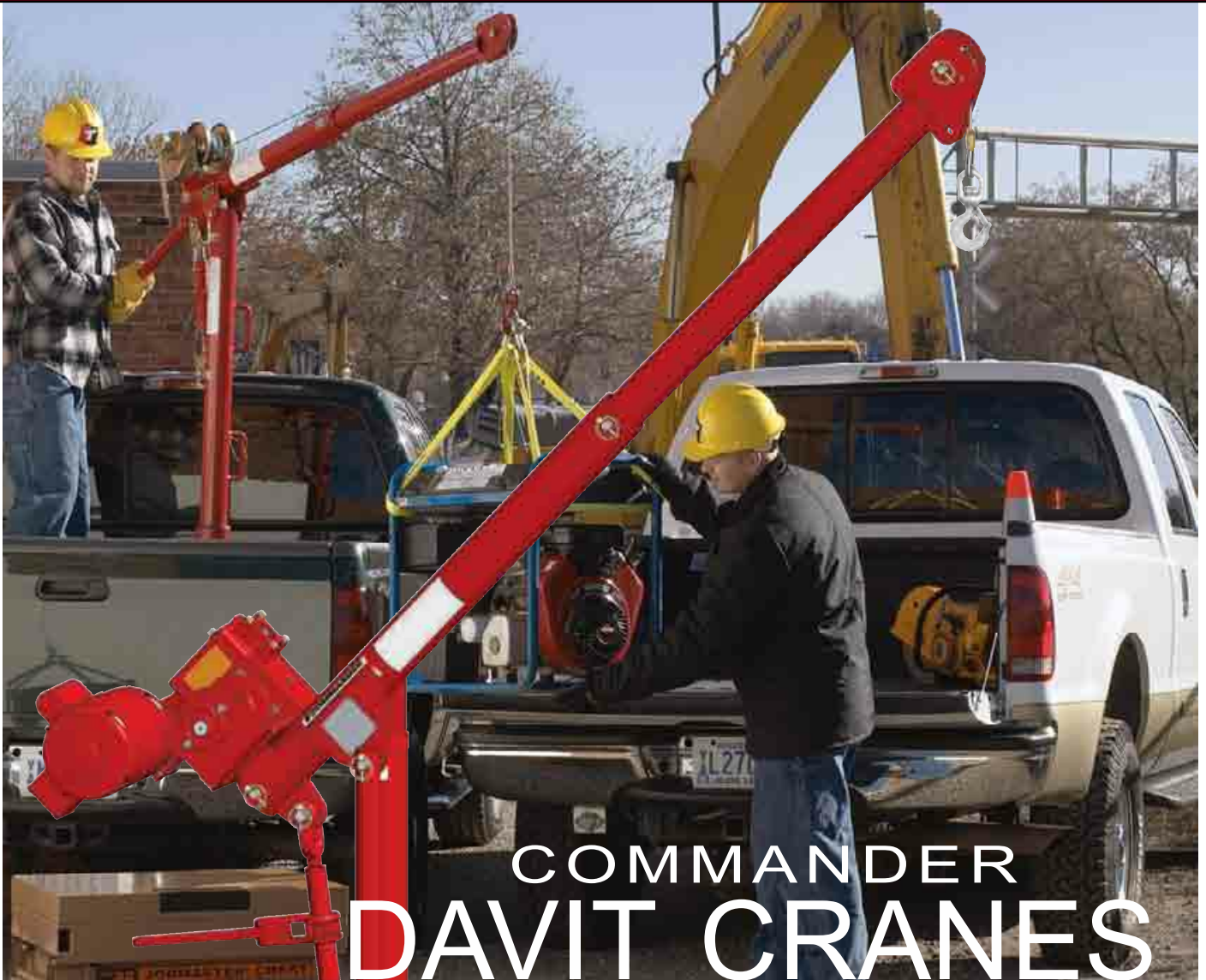
Find out more ▶



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# DLHONLINE Lifting Davits



## COMMANDER DAVIT CRANES



Made in the USA



ISO  
9001:2008  
REGISTERED



# COMMANDER

Series



# THERN



Continues next page

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# DLHONLINE Lifting Davits

## COMMANDER SERIES

### **COMMANDER SERIES**

#### D-SHAPED SHEAVE CLEVIS PIN

The sheave clevis pin is now D-Shaped to prevent the clevis pin from rotating when under load.

#### QUICK-MOUNT WINCH BRACKET

A variety of Them winches can be attached to the bracket. After a winch is attached to the bracket, the bracket is easily mounted (without tools) to the crane via quick-connect pins.

#### AUXILIARY ATTACHMENT HOLE

Allows for various load attachments or two part line configurations.

#### MAST CAP

A cap (not visible) on top of the mast now helps keep weather and debris out of mast.

#### ROTATION HANDLE

The new rotation handle position does not interfere with the operation of the boom angle adjustment ratchet jack.

#### ROLLER/BALL BEARING\*

Optional on the Commander Series Davits, the specially designed roller/ball bearing at top of base requires no tools for installation. The roller/ball bearing allows smooth and easy 360° crane rotation under load.

#### STAINLESS STEEL LOCK\*

Stainless steel lock assembly keeps crane in position during winch operation and when not in use. Included with roller/ball bearing.

#### NYLATRON FLANGE BEARING

Standard on all Commander Series bases, a nylatron bearing supports the mast at the top of the base to assist with the crane's 360° smooth rotation.

CAPACITY 1000 LB / 453 KG



Model 5PT10



Flush Mount



Pedes



Wall



Wheel

Find out more ▶

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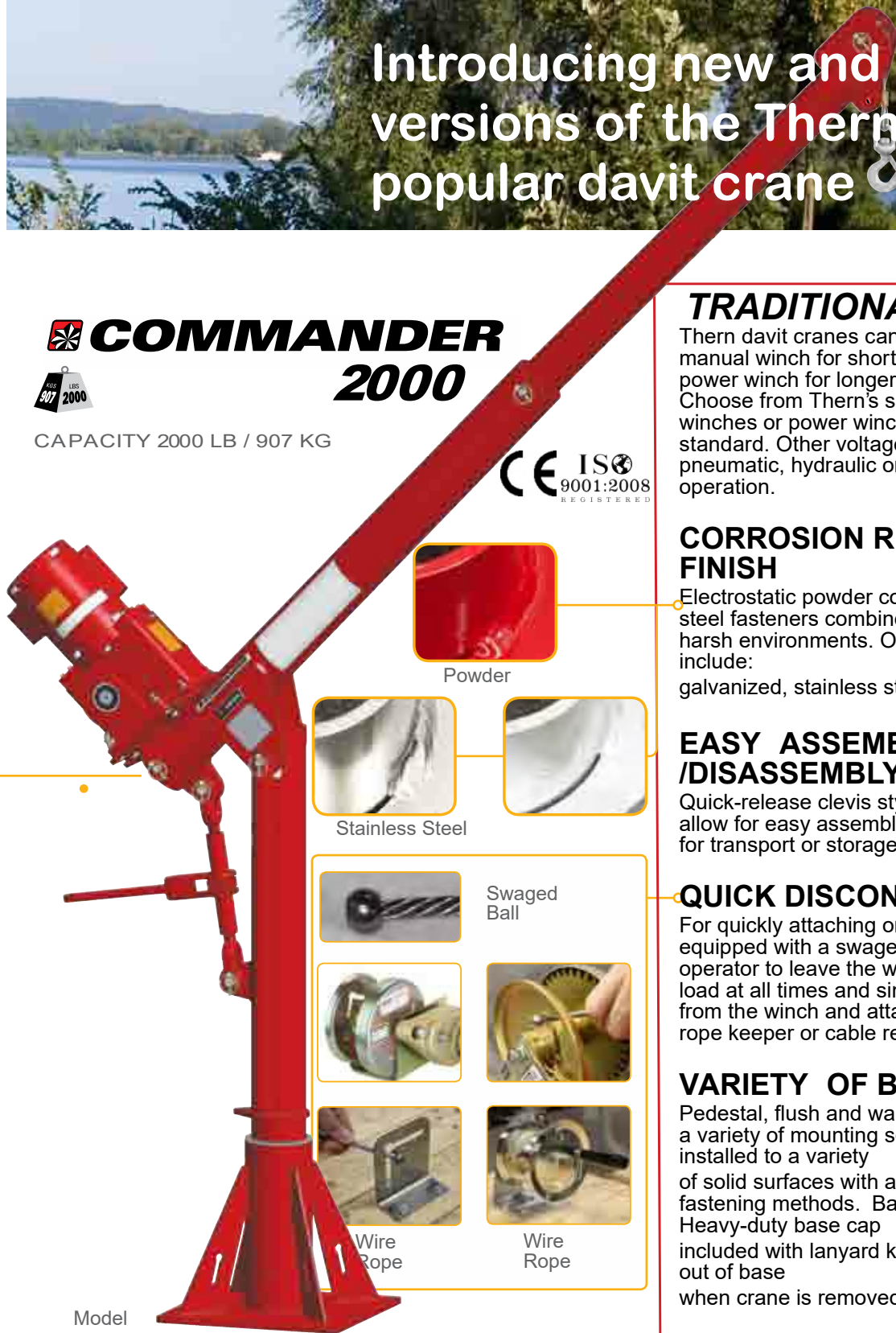
# DLHONLINE Lifting Davits

Introducing new and improved versions of the Thern most popular davit crane

## **COMMANDER 2000**

CAPACITY 2000 LB / 907 KG

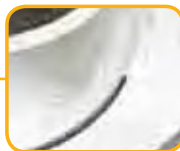
 



Powder



Stainless Steel



Swaged Ball



Wire Rope



Wire Rope

### **TRADITIONAL FEATURES**

Thern davit cranes can be configured with a manual winch for short, infrequent lifts or a power winch for longer lifts or heavier loads. Choose from Thern's spur or worm gear hand winches or power winches with 115/1/60 as standard. Other voltages available as well as pneumatic, hydraulic or DC Volt power operation.

### **CORROSION RESISTANT FINISH**

Electrostatic powder coated crane and stainless steel fasteners combine to resist corrosion in harsh environments. Other options available include: galvanized, stainless steel and epoxy finishes.

### **EASY ASSEMBLY /DISASSEMBLY**

Quick-release clevis style stainless steel pins allow for easy assembly and quick disassembly for transport or storage. No tools required.

### **QUICK DISCONNECT ANCHOR**

For quickly attaching or removing wire rope equipped with a swaged ball fitting - Allows the operator to leave the wire rope attached to the load at all times and simply remove the rope from the winch and attached to the optional wire rope keeper or cable reel.

### **VARIETY OF BASES**

Pedestal, flush and wall mount bases allow for a variety of mounting solutions and are easily installed to a variety of solid surfaces with anchor bolts or other fastening methods. Bases sold separately. Heavy-duty base cap included with lanyard keeps water and debris out of base when crane is removed.

### **2-YEAR WARRANTY**

Industry-leading two-year limited warranty on all Thern products.



Find out more 

[dlhonline.co.uk](http://dlhonline.co.uk)

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# DLHONLINE Lifting Davits

Thern Admiral Series  
transportable davit crane  
offers the best of  
all worlds.

## 5PT30

 **ADMIRAL**  
SERIES

Handling large loads up to 1363 kg, with an adjustable boom for high lifts and 2.8 metres of reach, and can still be disassembled for relocation.

1363 kg Capacity

- Transportable
- Adjustable 5 Boom Lengths
- Adjustable Boom Angle
- Bearings for Smooth 360° Rotation
- Manual or Power Winch Operation
- Three Corrosion-Resistant Finishes
- Mast Locks in Six Positions
- Variety of Bases

Model 5PT30 J-M1  
Base 5BP30

ISO  
9001:2008  
REGISTERED

  
Made in the

**2-YEAR WARRANTY**  
Industry-leading two-year limited  
warranty on all Thern products.



 **THERN**

Find out more ▶

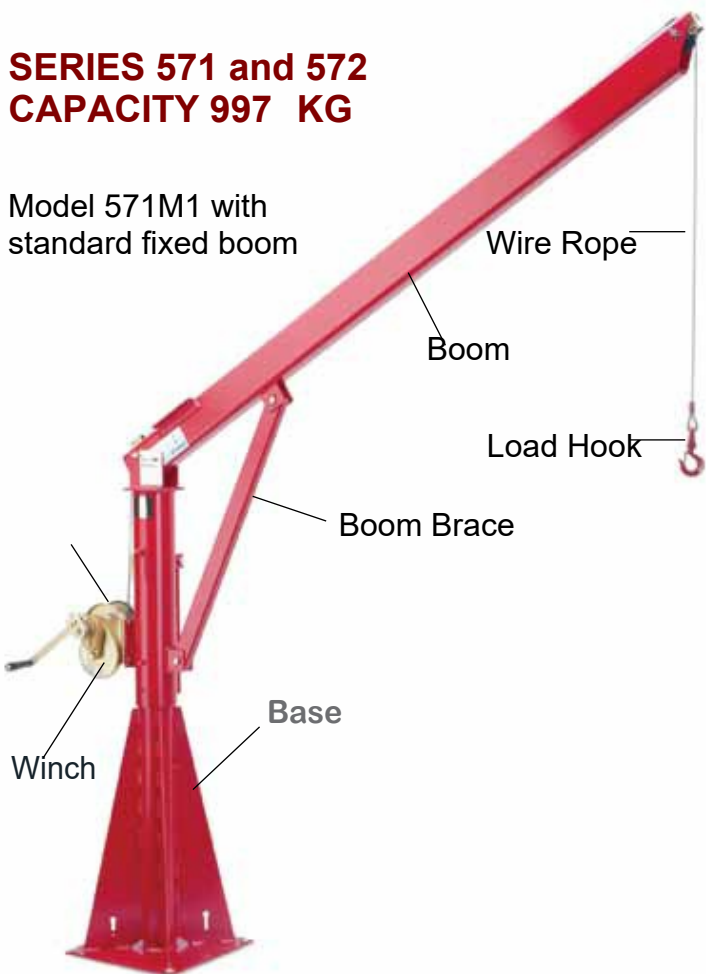
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# DLHONLINE Lifting Davits



## SERIES 571 and 572 CAPACITY 997 KG

Model 571M1 with  
standard fixed boom



Model 571M2 with  
adjustable boom  
option (screw-jack  
sold separately)

## Stationary Davit Cranes

Hand or Power Winch Operation  
Up to 997 kg capacity

- Hand Winch Operated Models include spur gear or worm gear hand winch with brake for load control. Model 571M2 can be drill driven, 300 rpm max.
- Power Winch Operated Models include 115 volt 1 phase AC electric winch with pendant control and brake. Other power options available, please contact us.
- Fixed Boom — 571
- Adjustable Boom — 572
- Mast and Boom Rotate on tapered roller bearings for smooth 360° load movement. Mast locks in one of four position with hand tightened lock bolt. Handle on the mast makes rotation easy.
- Gusset Style Base for permanent installation and stability under load.
- Epoxy Finish available for improved protection against corrosion.
- Wire Rope Assemblies sold separately.
- Two-year Limited Warranty



Find out more ▶

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## Aluminium Lifting Davits



Removable lifting solution, efficient and safe the COMALU lifting davit contributes to improving the responsiveness of your teams.

Its aluminium frame guarantees you maximum portability and facilitates use on sites with difficult to access.

A single man can safely carry and assemble the 3 elements which compose the COMALU lifting davit system.

Max. capacity  
300 kg

Span = 2 m

1 bag of 24 kg

Easy assembly

Unique  
Removable davit  
for many  
locations



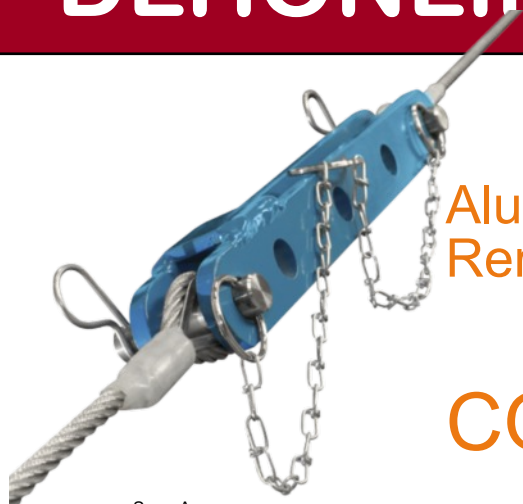
***Watch the video!***

Carry bag (included) gives your team the ideal tool for all lifts on site quickly and efficiently.

All the parts that make up the COMALU-300 is packed into one sturdy bag.

A single person can carry the jib crane, assemble, place on the base and make the lift safely.

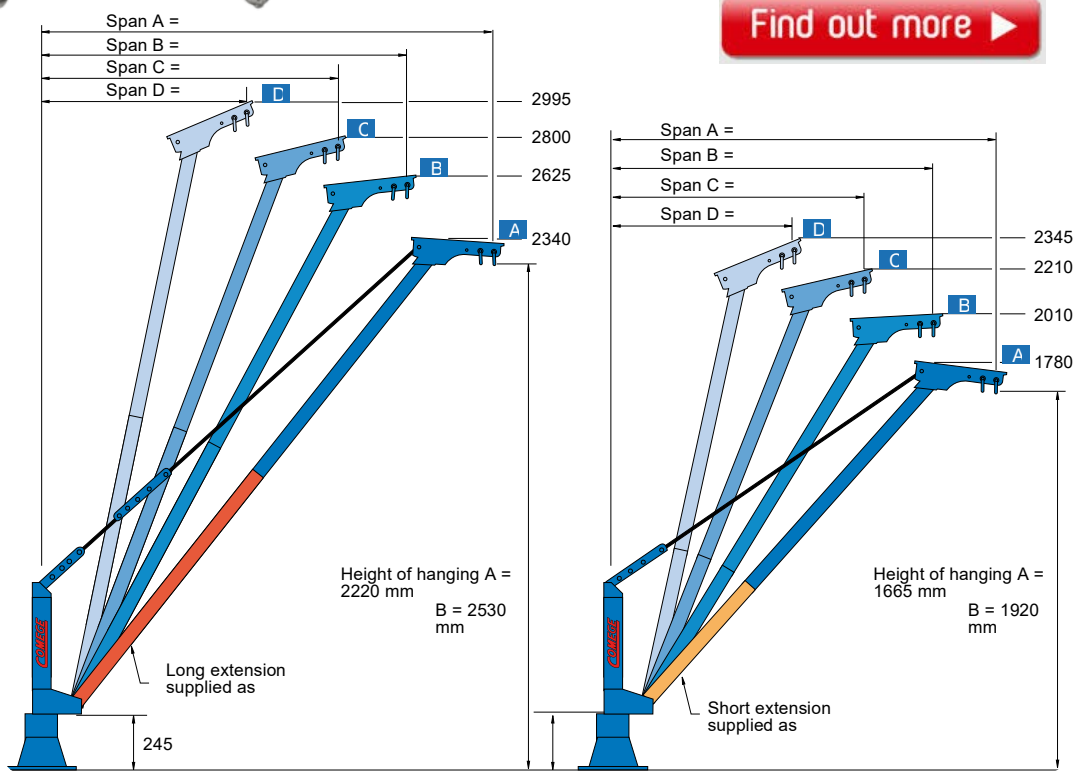
# DLHONLINE Lifting Davits



Aluminium  
Removable jib crane

## COMALU 300

[Find out more ▶](#)



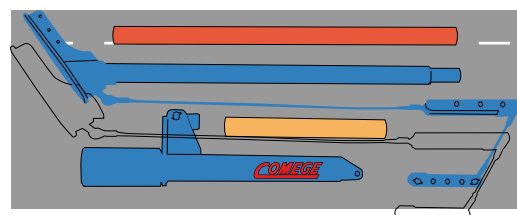
### 1 DAVIT = 2 POSSIBLE METHODS OF ASSEMBLY

#### Standard features

- Reach adjustment 900 mm to 2000 mm
- 2 heights available (2 extensions provided)
- Davit in 3 parts / very fast installation
- Total weight = 24 KG
- All in 1 bag provided
- Davit pivots on ball bearings
- Anodised with powder coating
- 2 stainless shackles for hoist or accessory

#### Options

- Stainless steel drop chain :length 1 metre
- Height extension post
- Socket fixed to the floor, wall, or sealed
- Chain hoist any length



MOUnting On the



AsseMblY Of the extensiON



ARM AsseMblY



fixATIOn with pULLing the pin



IMpLeMentATIOn Of the

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# DLHONLINE Lifting Davits

Operates in standard 8 span-height combinations. It is the ideal lifting davit for lifting loads and people in treatment plant or by the sea, and generally anywhere a standard jib crane can not be used. Secure sockets and enjoy the lightness of a single re-movable lifting davit for many configurations.

## COMALU 300 T

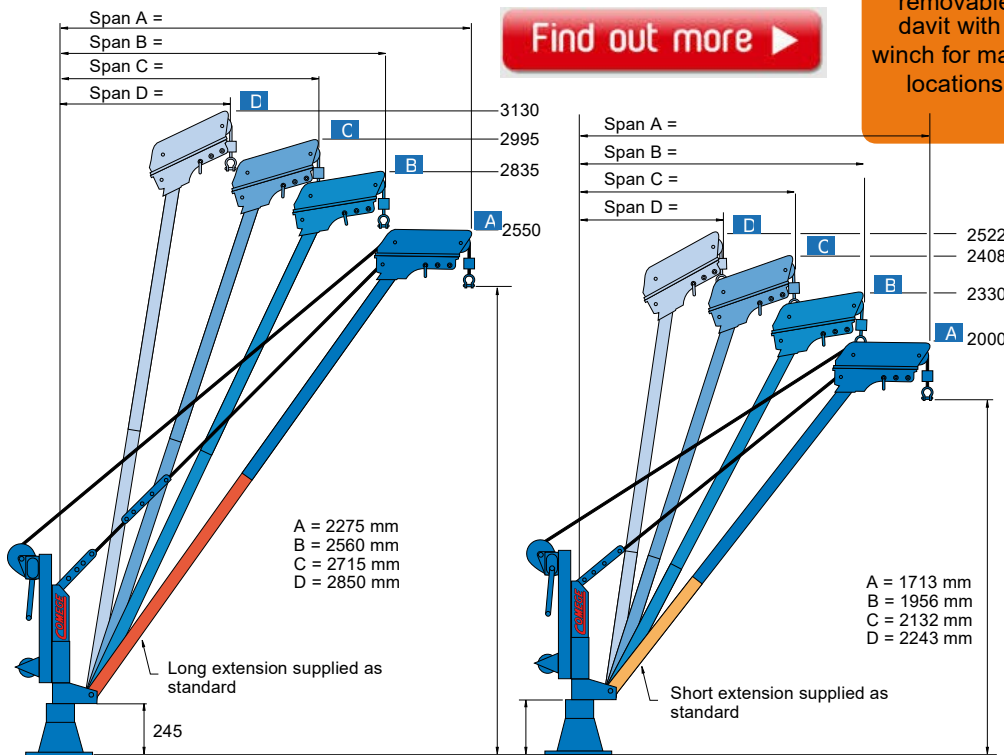
[Find out more ▶](#)

Max. capacity  
300 kg

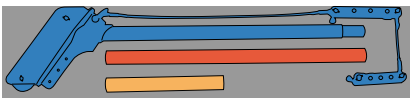
Span 2 m

2 bags

Easy assembly  
A single removable davit with winch for many locations



1 DAVIT = 2 POSSIBLE METHODS OF ASSEMBLY



To minimize the risks due to carrying heavy loads, the components of the COMALU-300T are grouped into two bags robust. A single



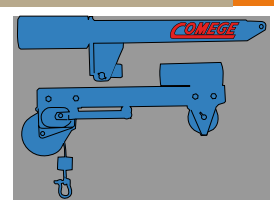
Mounting on the socket



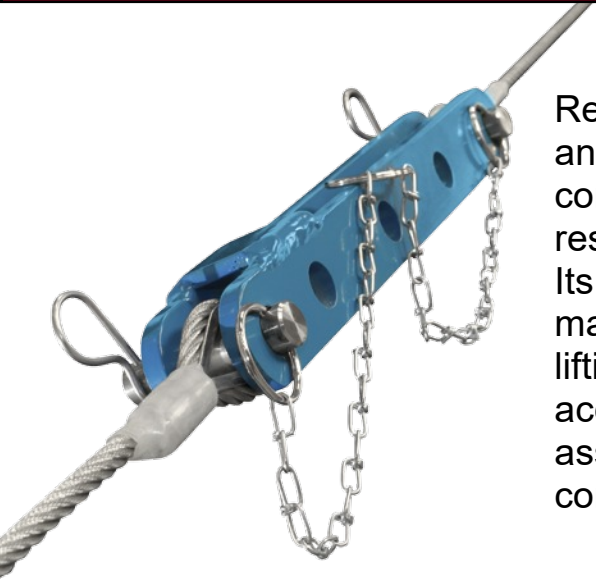
ARM Assembly



Cable entry

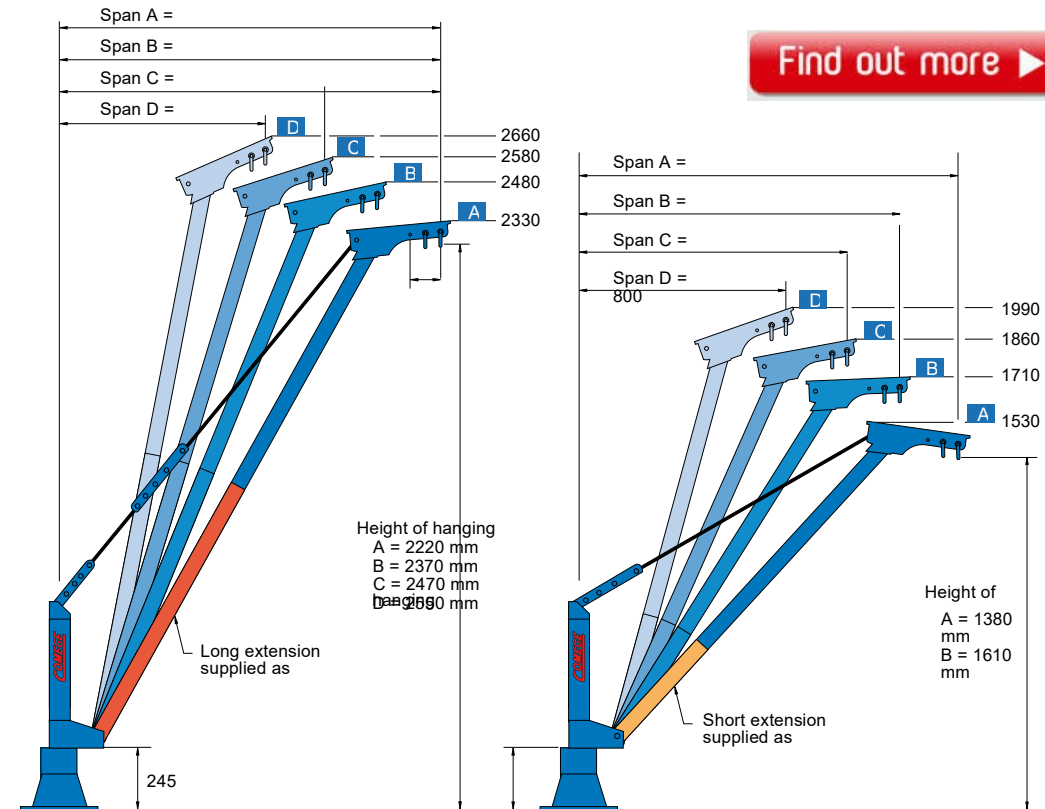


# DLHONLINE Lifting Davits



Removable lifting solution, efficient and safe the COMALU lifting davit contributes to improving the responsiveness of your teams. Its aluminium frame guarantee you maximum portability and facilitates lifting operations on sites difficult to access. A single man can safely assemble the 3 elements which comprise the COMALU lifting davit.

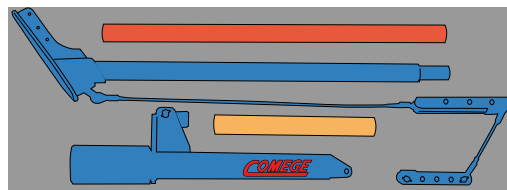
## COMALU 500



[Find out more ▶](#)

1 JIB CRANE = 2 POSSIBLE

Carry bag (included) gives your team the ideal tool for use on site quickly and efficiently. All the parts that make up the COMALU-300 is grouped into one sturdy bag. A single person can carry the jib crane, assemble, place on the base and make the lift safely.



# DLHONLINE Lifting Davits

get in standard 8 span- height combinations. It is the ideal lifting davit for lifting loads and people in treatment plant or by the sea, and generally anywhere a standard jib crane can not be used. Secure sockets and enjoy the lightness of a single re-movable lifting davit for many configurations.



Max. capacity  
500 kg

Span 1,5 m

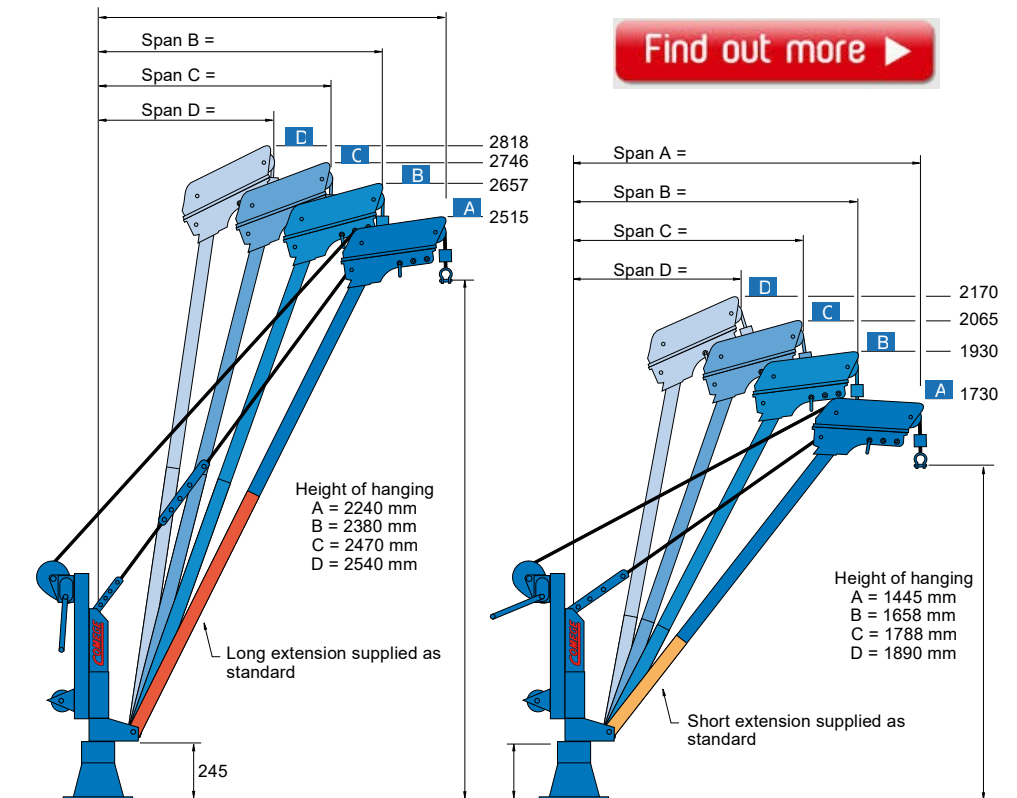
2 bags

Easy assembly

A single removable jib crane with winch for many locations

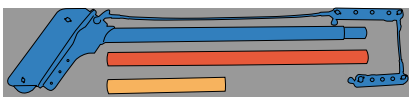
## COMALU 500 T

Find out more ▶

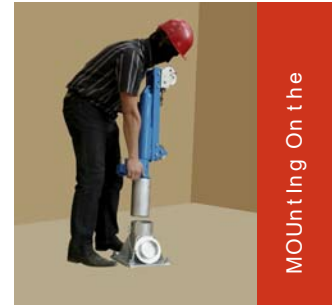


1 DAVIT = 2 POSSIBLE METHODS OF ASSEMBLY

**Davit with winch = 2 bags of less than 24Kg**



to minimize the risks due to carrying heavy loads, the components of the COMALU-300T are grouped into two bags robust. A single person can carry the jib crane, assemble on the socket and make the lift safely.



MOUnTing On the



ARM



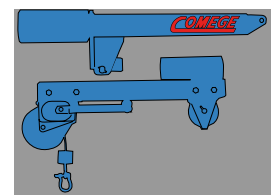
f ixAt IOn w l t



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MAke Lift Ing



**dlhonline.co.uk 0161 223 1990**



# DLHONLINE Lifting Davits

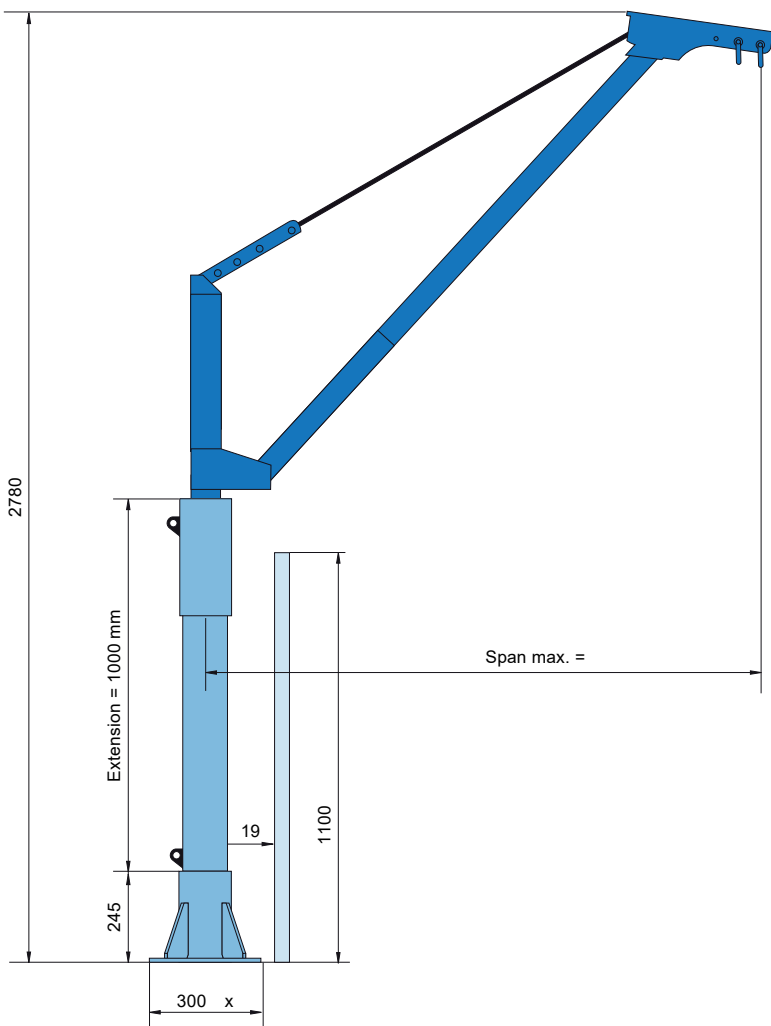
Comalu Accessories

## SOCKETS EXTENSIONS

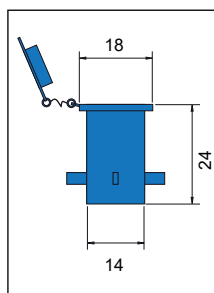


To meet all your mounting configurations, we offer a range of accessories to facilitate the use of our aluminium davits on your sites. The use of several sockets for the same davit greatly enhances handling costs. The extension allows the davit to clear the guardrail or increase the lift height.

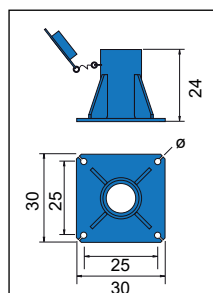
Mounting example: low version 300 + extension



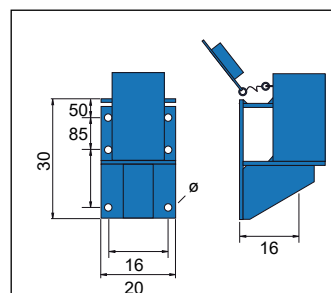
### Sockets



Cast in



Pedestal



Wall or side mounted

It is for the user to ensure the proper anchoring and quality of the support of the socket before any use of lifting davit

# DLHONLINE Lifting Davits

## Easy-Lift 500 Davit

Lightweight, 500kg Rated WLL Multi Option Lifting Davit

### Lightweight and portable

This davit is a 2 piece construction (base & arm) supplied with a standard 65 mm diameter socket pin. For non-standard sockets you can specify different size pins machined to suit your existing davit sockets.

This davit is designed with a 3 point multi adjustable head, suitable for electric or manual type chain hoists and slave chains.

### Each component is under 25 kg

The davit is designed to achieve 360 degrees slewing motion with maintenance free bearing assembly, even under maximum load 500kg WLL.

This davit can be installed in close proximity to hand railing, as it will slew over standard 1100mm hand railing.

Individual transport bags can be supplied at additional cost, making it simple for the engineer to carry the davit safely & securely to each job.



### Standard Features

The davit is made from aluminium and is powder coated finished in yellow.

Operational & Maintenance manuals and all relevant documentation are supplied with each unit.

Tested & certified with increased safety factors. Tested to 1.2 tonne with a 500 kg capacity

Universal pivot pin 65 mm dia. as standard (other sizes on request).

Frictionless rotation aids slewing of loads

Range of sockets available

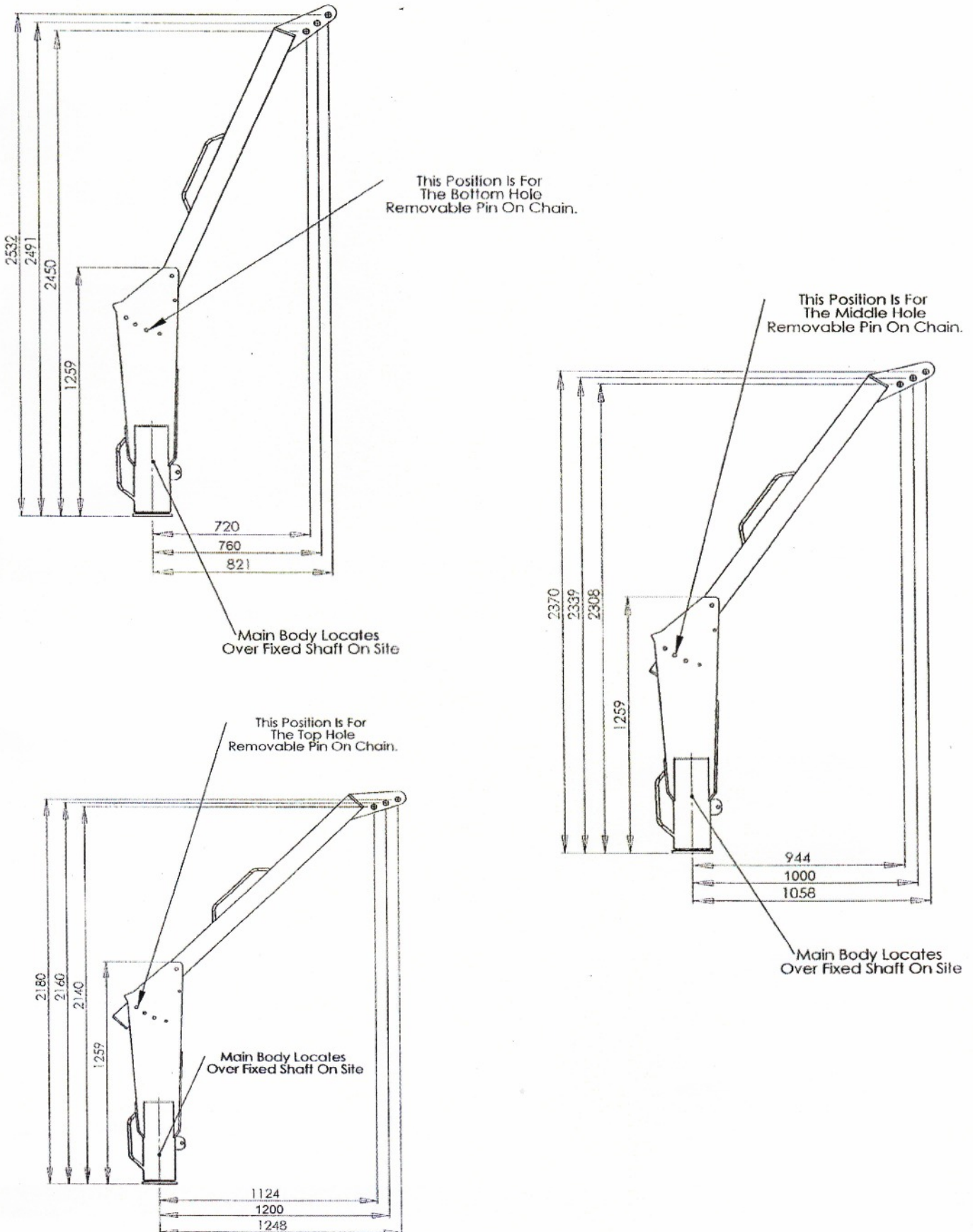
Find out more ►

[dlhonline.co.uk](http://dlhonline.co.uk)

0161 223 1990

# DLHONLINE Lifting Davits

Dimensions of the variable height and reach of the Easy-Lift 500 Davit



## Custom Made Lifting Davits

### Can't find the right lifting davit for your application?

Even with the most extensive range of lifting davits on the market, our standard models may not meet your exact requirements.

For portable lifting davits, subject to limitations in reach versus self-weight, there is an excellent chance we can provide a lifting davit bespoke to your needs.

**THERN** A large proportion of the lifting davits provided by Thern can be customised to clients exact requirements. To find out whether we can help you, there is an online form for you to complete >

[Find out more ▶](#)



## DALE In-house expertise

For more help in designing a specific lifting davit for your application, why not talk to our in-house design team for expert help on 0161 223 1990

For example, this bespoke davit arm is a bolt-on (Machine mounted) 180 degree slewing davit arm which is fitted with a manual hand winch and a special load attachment bracket.



It was specifically developed by Dale for motor removal and maintenance on large newspaper printing presses.

The motors are side mounted in close series to the machine face. Following discussions with the client, the Dale design department developed a working prototype which was portable and able to be positioned to work in an extremely confined space, in between pairs of motors.

Successful trials have resulted in the lifting arm being provided with each new press for on-site maintenance.

Dales' have extensive experience in providing cost effective solutions to handling problems - Call our design team to discuss your requirements.

## Instructions for the Safe Use of Lifting Davits

This document is issued in accordance with the requirements of Section 6 of the Health and Safety at Work Act 1974, amended March 1988. It outlines the care and safe use of Lifting Davits and is based on Section 14 of the LEEA Code of Practice for the Safe Use of Lifting Equipment.

This information is of a general nature only covering the main points for the safe use of lifting davits. It may be necessary to supplement this information for specific applications. Always read and understand the manufacturers operating instructions before use.

### **ALWAYS**

- Store and handle the lifting davits correctly
- Inspect the lifting davit, hoist or winch and accessories before use and before placing into storage
- Position the Jib arm so that the lifting appliance is directly over the load
- Take the weight of the load gently
- Ensure the travel path is clear before moving the lifting davit arm
- Push rather than pull the load when slewing the davit arm

### **NEVER**

- Shock or side load the lifting davit
- Attempt to drag loads along the ground
- Allow persons to pass under suspended loads
- Place ladders or climb on unrestrained davit arms

### **Selecting the Correct Lifting Davit**

Lifting Davits are available in a range of capacities, sizes and design options. Select the lifting davit to be used and plan the lift taking the following into account:

Type of Lifting davit – over braced, under braced, floor/wall/column mounted – capacity – height and length.

Slew – angle of slew, 360°, 180° or other – push/pull, hand geared or power slewing.

Type of hoist or winch to be used.

The need for slewing stops.

### **Storing and Handling Lifting Davits**

When not in use lifting davits should be positioned so as not to present a hazard to persons, goods, vehicles etc that may be in the area. It may be necessary to secure the jib arm to prevent movement taking place as the result of winds etc.

If the lifting davit is not in regular use it is advisable to remove the lifting appliance for separate storage. Where this is not possible or desirable the appliance should be parked where it will not present a hazard may cause the davit arm to whip.

Before moving the davit arm or suspended load ensure you have a clear view of the travel path and that this is free of any obstructions etc.

Avoid swinging loads. Push rather than pull on suspended loads. Do not let the load whip outward thus increasing the effective radius and therefore the resultant loads imposed on the mechanisms and structure.

## Instructions for the Safe Use of Lifting Davits

### ***Installing and Commissioning***

Follow the specific instructions for erection issued by the manufacturer, these may vary with the design.

The overall stability and safety of the lifting davit depends on its foundation or supports. When erecting to an existing structure it is important that the superimposed forces are assessed by a qualified engineer and written approval obtained.

Similarly free standing lifting davits must be mounted onto a suitable foundation and a suitably qualified person should be consulted. In the case of lifting davits clamped to upright structural members, steps must be taken to prevent the clamp fixings sliding downwards.

**Special Note** - To comply with statutory regulations and manufacturers installation instructions each socket fixing will require proof load testing after installation and before being taken into use. Subject to location we can undertake this work and provide a report of proof test. Please contact us for a quotation

### ***Using Lifting Davits Safely***

Do not use defective lifting davits, hoist, winches or accessories.

Position the jib arm carefully. The hoist or winch hook must be directly over the centre of gravity of the load. Do not use the davit arm or appliance to drag loads along.

Take the load gently and avoid shock loads. Similar care is needed when lowering loads as sudden loading/unloading may cause the jib arm to whip.

Before moving the jib arm or suspended load ensure you have a clear view of the travel path and that this is free of any obstructions etc.

Avoid swinging loads. Push rather than pull on suspended loads. Do not let trolleys crash onto the travel stops as the load may whip outward thus increasing the effective radius and therefore the resultant loads imposed on the mechanisms and structure.

### ***In-Service Inspection and Maintenance***

The maintenance requirements may be combined with those of the lifting appliance.

Lubricate bearing and pivot points. Where the slewing motions is obtained by manual gears or powered drive the gear wheels and drives must be kept in good order and lubricated.

Bolts and fixings should be checked to ensure they are tight and if necessary re-torqued.

The running surface of the track should be clean and kept free of debris etc.

Regularly inspect the lifting davit and in the event of the following defects refer the lifting davit to a competent person for thorough examination: Structural defects; damage; distortion or cracked welds; loose or missing bolts; damaged or missing runway end stops; difficulty in slewing or the davit arm slews on its own; any other visible defects or operational difficulties.

For further information on associated lifting equipment please refer to the manufacturers instructions or see the Code of Practice for the Safe use of Lifting Equipment published by the Lifting Equipment Engineers Association.

# DLHONLINE Lifting Davits

## Accessories for use with your lifting davits

### Hoists

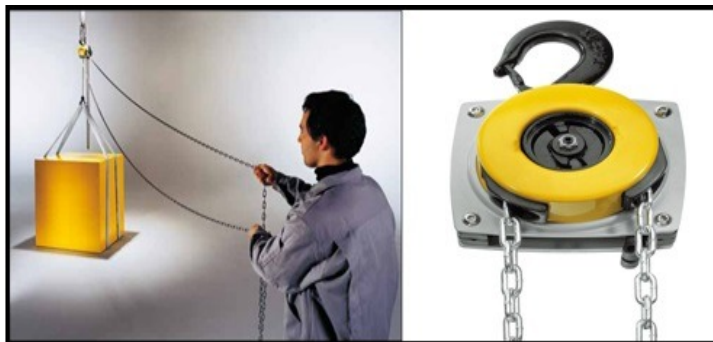
#### Manual

There are numerous manually operated rated chain hoists available for use with lifting davits.

One model we particularly recommend is the **YALE LIFT 360** which has a rotating hand chain wheel which can be operated from any angle. This is particularly useful if the davit is to be swung out over a void. This model can also be provided in corrosion resistant finishes.

For more information on manual hoists >

[Find out more ▶](#)



#### Electric



If the lifting davit is being deployed for very high lifts or prolonged use, then a powered hoist may prove time saving and less arduous. Low voltage hoists are available for outside locations.

[Find out more ▶](#)



### Winches



#### Hand operated

[Find out more ▶](#)

Some lifting davits are specifically designed and supplied with manual winches. These are often more easier to operate than hoist suspended davits as the winch is mounted on the davit post. Where longer lifts are required some manual winches can be drill drivable.



#### Electrically operated



For more arduous tasks or very high lifts an electrically powered winch may be more suitable. These are available in low voltage for on site applications

[Find out more ▶](#)



# DLHONLINE Lifting Davits

## Accessories for use with your lifting davits

### Pump lifting

#### Chains



Pump lifting chains are commonly used with lifting davits and are available with in steel, galvanised and stainless steel. These can be provided in numerous configurations and fittings to suit any application.

[Find out more ▶](#)



#### Lifting Shackles

Lifting shackles for suspension and load attachment are readily available in galvanised and stainless steel.

[Find out more ▶](#)



#### Lifting points

Bolted lifting points are supplied with numerous configurations in galvanised or stainless steel for load attachment.

[Find out more ▶](#)



Weldable lifting points are available in alloy steel and stainless steel.

[Find out more ▶](#)

#### Wire Rope

Wire rope for winches and wire rope slings can be specified for use with your Lifting davit. For more information please contact our sales team for more information.



For pump lifting or similar applications, THERN Lifting davit manufacturers offer a range of wire rope options in galvanised and stainless steel. Together with a range of accessories including Rope winders, keeper plates and tension weights



[Find out more ▶](#)



# DLH ONLINE Lifting Davits

**DLH**  
online



**Got a question?**  
Call us on  
**0161 223 1990**

## About us

As a leading supplier in the world of dynamic lifting and handling DLH online offer a wide range of products and provide a full range of quality services: from design to completion of your projects and commissioning to the maintenance of your handling equipment.

With excellent aftercare service, DLH Online provide value for money and ensures the safety of your workplace, whilst maintaining the readiness and benefits of your handling equipment throughout its lifetime.

As part of the DALE Group, DLH online is committed to satisfy its customers by providing long term advice and assistance on all your projects.

We provide solutions in all industry sectors: aerospace, automotive, beverage, chemical, engineering, food, logistics, manufacturing, pharmaceutical, marine, transportation...

We take immense pride in providing professional, efficient and reliable services that exceed the expectations of our customers – giving them exactly what is promised. Taking the stress out of lifting and handling and its regulations.

The range of solutions available have been carefully chosen and offer proven technology that really works for the user. Thereby ensuring that employers and operatives alike will benefit both in economy and ease of use. In addition to in-house design and manufacturing facilities,



## DALE GROUP

As the North West of England's longest established supplier of lifting and handling equipment (Established since 1830) and a member of the Lifting Equipment Engineers Association, we bring with us an enviable reputation for quality and service. Together with a unique accumulation of skills, knowledge and experience.

## Contact Us

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LIFTING AND HANDLING

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**Find out more ►**

**dlhonline.co.uk 0161 223 1990**

