



ASSEMBLY AND OPERATIONS GUIDE

TDavit

reidlifting.com

Please read the following instructions and guidance notes carefully, before using or operating the system.

They contain important information about how to handle and use the system in a safe and efficient way, avoiding danger, reducing repair costs and downtime, and increasing the reliability and lifespan of the system.

They apply for:

- Operation, including preparation, troubleshooting during operation and cleaning
- Maintenance, inspection, repair
- Transportation

It is the responsibility of the end user to adhere to the Health & Safety and accident prevention standards and legislation valid in their respective countries and any regions in which the system is being used. It is also incumbent on the user or competent person to ensure that anyone working with the equipment has the necessary medical and physical capabilities. A rescue plan also needs to be in place in the event of an emergency that could occur during the work. This document should form part of the overriding Risk Assessment and Method Statement required for each lift.

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CORRECT OPERATION

INTENDED USE

This product is intended to be used for; the lifting of goods, the lifting of personnel, rope access, or providing a safety anchor for the prevention of falls.

It is expected that all users of this product have the necessary medical and physical capabilities, are fully trained and competent in its safe assembly and use.

Not all TDavits are certified for the lifting of personnel or for use as a safety anchor. If unsure whether your product is designed for the lifting of persons consult your serial label, see Marking, or Certificate of Test which will indicate the WLL for persons if applicable.

INSPECTION PRIOR TO INITIAL OPERATION

This product must be inspected prior to initial operation by a competent person to ensure that the structure is safe and that it has not been damaged by incorrect assembly, transport or storage.

INSPECTION BEFORE STARTING WORK

Before starting work, the product assembly and all load-bearing components should be checked for visual defects as per the inspection checklist on page 07.

MAXIMUM CAPACITY

Goods Lifting: This product is designed to lift and lower loads up to its rated capacity. Do not exceed the working load limit indicated on the product.

Personnel Lifting: When lifting people, the overall load limit is reduced by half to provide an increased safety factor. The maximum capacity permitted by the personnel winch/ accessory used in conjunction with the product also needs to be taken into account.

Only chain hoists with a capacity of up to 1000kg are suitable for this davit. The structure has been designed to take into account the weight of a standard chain block but, if a device with a significant additional weight is being used, then this needs to be included within the overall capacity. Care should also be taken when using any lifting device other than a manual chain hoist in case the dynamic effects of this reduce the overall capacity of the davit. REID Lifting's representatives can provide additional advice on this if required.

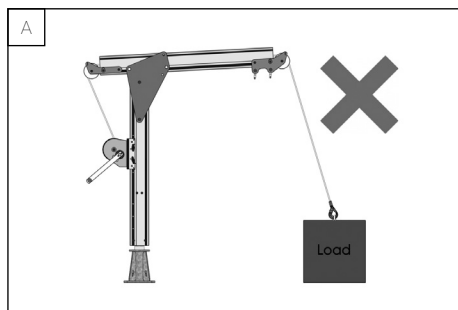
Please be aware that the maximum radius is achieved when the davit is being used at approximately 75% of its maximum capacity.

TEMPERATURE RANGE

This product can be operated in ambient dry temperatures between -20°C and +55°C (-4°F and 131°F). Consult your supplier in case of extreme working conditions. If used in subzero and wet conditions, fall arrest appliances characteristics may change.

NOTES FOR CORRECT OPERATION

- We recommend the use of load-sensing or overload protection devices on all lifts
- The risk assessment and method statement must consider any factors that might apply additional loading to the system during lifting operations
- Suitable, appropriately rated winches and connection plates must be used for all applications
- Take care when transporting and storing the system to avoid damage
- Assemble only as instructed (ensure all bolts are present and fitted correctly as per instructions)
- We recommend that gloves are worn when using the equipment
- Attach the hoist to the lifting point on the trolley only, making sure it is attached in a way that does not expose the user to danger by the hoist, chain or load
- Do not allow the load to swing
- If the davit is to be used in special atmospheres contact your supplier
- To avoid side pull, lowering and lifting should only be carried out when the load chain forms a straight and vertical line between the load and lifting attachment point. (Refer to figure A)



- Do not assemble davit in non-approved sockets
- Do not use the davit if the kingpin shaft is not seated correctly in the socket
- Do not use the davit if it does not rotate freely in the bearing or the bottom flange is fouled in any way, preventing free rotation of the davit
- Set up the product in its mounting socket ensuring that it is a safe location and there is no risk of falling into the hazard or lift area
- Attach the load only to the lifting points on the head or winch-line

DISCLAIMER

- REID lifting sockets & extensions have been designed, developed and tested for safe use with REID equipment and form a key part of the integrity of the total system
- All sockets have a maximum moment based on the maximum reach setting of the Davit, and the socket installation and verification tests performed
- If non-standard, third-party sockets are used, REID Lifting's Declaration of Conformity & Incorporation and warranty for the products is no longer valid and the system becomes the responsibility of the client

WARNING

- The equipment should not be used outside of its limitations, or for any purpose other than that for which it is intended
- Do not lift or transport loads while personnel are in the danger zone
- Do not allow personnel to pass under a suspended load
- Never leave a suspended load unattended
- Be aware of hazards when setting up/ folding down, such as trapping fingers in rotating parts
- Be aware of any adverse weather conditions such as strong or gusty winds which could impose additional horizontal loads and affect the stability of the structure. Stop using if weather is impacting on lifting
- Don't allow the load to hit the system

FALL PROTECTION

When being used as part of a fall protection system the user must use a body harness and retractable device or shock absorber to EN355 that limits the maximum allowed force (M.A.F.) to 6kN. Winches used with the system should comply to EN1496:2017 or equivalent.

In the event of simultaneous goods and personnel combined lifting or when being used as a fall arrest system in sub-zero and wet conditions contact the supplier as capacities may be reduced.

While this product will have the capabilities stated on it, it is only one part of a fall arrest system which is only as strong as the lowest rated component. Each lift must be properly planned, and all weights clearly known along with the WLL and constraints of all fall arrest system devices.

For custom designed davits please contact your supplier for appropriate rating and capabilities.

ADDITIONAL NOTES FOR CORRECT OPERATION

Ensure suitable and appropriately rated winches and connection plates are used for all applications

Never walk away from the structure whilst connected to the equipment (either by winch or fall arrest block)

When using the davit as a fall arrest anchor, ensure there is adequate fall clearance when working at height

Always consider the potential effects of sharp edges, chemical reagents, electrical conductivity, cutting, abrasion, climatic exposure on the fall protection lifelines, and the effect of offset forces as a result of pendulum falls

When being used for fall protection, the user must remain within the footprint of this product

Where regulations require, each installation must be approved by a qualified person

WARNING

When using the Davit in conjunction with any other manufacturer's fall protection products, it is essential to read the instructions for those products to check their suitability and restrictions for use

REID Lifting does not recommend that the davit is used for personnel and goods lifting at the same time

It is essential for safety that the product is withdrawn from use immediately and not be used again until confirmed in writing by a competent person should,

→ Any doubt arises about its condition for safe use or;

→ It has been used to arrest a fall

IRATA

TDavit S & W up to 1600mm radius are suitable for Rope Access. Both devices have been tested to 15KN static load as per test requirements of IRATA International Code of Practice (ICOP). Standard socket extensions are suitable for rope access when used with a maximum radius of 1200mm.

INSPECTION & MAINTENANCE

The following information is based on REID Lifting's recommendations and does not remove the responsibility of the user to comply with the relevant regulations and standards that are valid in the respective countries and regions where the system is being used.

Before use, the product should be inspected for visual defects using the checklist below:

- | Ensure kingpin, beam and column are free from dents or indentations
- | Ensure Kingpin, Beam and column are not showing any signs of deformation
- | Ensure that there is no elongation of the beam holes and that the inserts have not become loose
- | Ensure that the beam clevis pins are straight and free from damage
- | Ensure that the sheaves rotate freely and that there is no visible damage
- | Ensure no bolts are loose
- | Check and brackets or attachments for signs of damage

Test the free rotation of the kingpin and ensure that it is fully engaged in the socket. The lower bearing at the bottom of the column needs to be flush with the top of the socket.

REGULAR INSPECTIONS

To ensure that the product's remains in safe working order it must be inspected regularly by a competent person. We recommend inspections every 6 months for personnel lifting and every 12 months for goods only, unless adverse working conditions or profile of use dictate shorter periods. The components of the system frame need to be checked for damage, wear, corrosion or other irregularities. It may be necessary to disassemble the system frame in order to do this. Particular attention should be paid to checking the profiles for denting, making sure there is no wear or elongation on the bolt holes and ensuring that the jib section retracts smoothly.

Any necessary repairs should only be carried out by an approved specialist workshop using original spare parts. It is recommended that once inspected or repaired, the device is marked with the date of the next inspection.

Inspections are instigated by the user. If detailed information is required on inspection and test criteria, please refer to your supplier's technical department. The equipment Inspection Record is on page 40.

If using the system in explosive atmospheres, see additional section titled ATEX.

MAINTENANCE & REPAIR

In order to ensure correct operation, the conditions for inspection and maintenance must be complied with. If any defects are found, stop using the product immediately.

No alterations or additions to the equipment should be made without the written consent of the manufacturer. Any repair must be carried out in accordance with the manufacturer's procedures.

It is recommended to maintain the equipment in a clean and dry manner. Cleaning is suggested using a sponge or cloth with warm, soapy water, rinsing and allowing to dry.

STORAGE & TRANSPORTATION

When transporting the components, take note of all the manual handling considerations.

Do not throw the product down or stack any items on top of it.

Always place carefully and security on the ground to avoid damaging the equipment.

SOCKETS

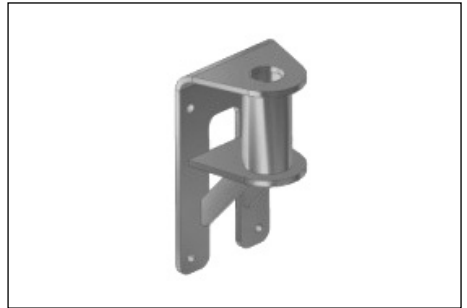
REID's davits need to be anchored to a suitable structural surface/foundation capable of withstanding the applicable loading. We strongly recommend that a structural engineer validates this prior to installation of the product.

This product can be supplied with one of the sockets specified below (only sockets supplied by REID Lifting are approved to be used with this product):

- | The Top Mount socket is for use on flat horizontal surfaces. It can be installed onto concrete using resin bonded anchors or into steel work using bolts
- | The Side Mount socket can be installed using resin bonded anchors or mechanical anchors
- | The Bridge Mount socket is for mounting into steel work and walkways
- | The Cast & Resin Bonded sockets can be cast into new concrete or resin bonded into existing concrete



TOP MOUNT



SIDE MOUNT



BRIDGE MOUNT



CAST-IN & RESIN BONDED FLUSH MOUNT

SOCKET INSTALLATION

Socket installation should only be carried out by a qualified person, with the ability to specify the anchors, resin, and fasteners necessary to ensure an installation that is safe for use. If in any doubt about the calculation of loads, contact your REID Lifting representative.

Depending upon the socket type, there are a number of different installation options. If bolts are being used for this, then these should be minimum grade 8.8 BZP or if stainless, grade A4 or equivalent.

When installing the socket, it is important to ensure that the top face is as level as possible, with misalignment no more than 3 degrees from the horizontal.

Note: Site specific information regarding the installation of REID davit sockets CANNOT be detailed within this operating manual as each site/structure is different. A qualified engineer MUST design and approve each installation based on the minimum mounting requirements, site information and experience.

MINIMUM MOUNTING REQUIREMENTS

The supporting structure and installed base must be capable of withstanding the following:

For personnel, 12kN at the device's maximum radius in all worst-case loading directions.

For rope access, 15kN at the device's maximum radius in all worst-case loading directions.

150% of the goods capacity at the device's maximum radius in all anticipated worst-case loading directions

For more detailed requirements please contact REID Lifting.

VERIFYING THE INSTALLATION

We recommend that the socket installation is tested before initial use, particularly when using resin bonded anchors. When verifying the installation, testing should be to no more than 125% of the goods capacity at its maximum radius or 6kN at its maximum radius for personnel. All tests should be carried out in all anticipated worst-case loading directions, sustained for a duration of 3 minutes.

If the socket installation can not be tested, each anchor should be isolated and tested individually applying the applicable tension and shear loading. Please contact REID for more details.

Following initial socket installation verification tests, we recommend periodic visual examination rather than overload tests for the socket or davit. If, as a result of the visual examination, a load test is judged to be required, then we recommend a 100% load test and certainly no more than 125%.

ATEX

This product has been designed for use in explosive atmospheres in line with the following requirements and information. Any use which differs or exceeds this is considered incorrect and REID Lifting Ltd will not accept any responsibility or liability for damages resulting from false application. The risk is solely with the user. If the product has been customized in any way, then it may not comply with standards and no longer be suitable for use in explosive atmospheres. If this is the case, then the product will not have any of the markings below. If in doubt, please contact your REID representative.

CLASSIFICATION [ZONE 2]

As standard, the product meets the requirements of Category 3 equipment for use in Zone 2 explosive atmospheres, providing a normal level of protection where mixtures of air and gases, vapours or mists or by air and dusts mixtures are unlikely to occur or, if they do occur, are likely to do so only infrequently and for a short period only. The product will have the following identification on the serial label:

As Standard for Zone 2 Environments:

Ex II 3 GD
Ex h IIC T6 Gc
Ex h IIIC T85°C Dc
Tamb -20°C to +55°C

- II – Equipment Group
- 2/3 – Atex Category
- GD – Gas & dust
- h- non- electrical protection concept
- IIC / IIIC – IEC equipment group
- T6 / T85°C – temperature classification
- Gc /Gb – equipment protection level (gas)
- Dc/Db – equipment protection level (dust)
- Tamb – ambient temperature range

CLASSIFICATION [ZONE 1]

Available as an upgrade, the product can be supplied to meet the requirements of Category 2 equipment for use in Zone 1 explosive atmospheres, providing a high level of protection where mixtures of air and gases, vapours, mists or by air and dusts mixtures are likely to occur. The product will have the following identification on the serial label:

As Standard for Zone 1 Environments:

Ex II 2 GD
Ex h IIC T6 Gb
Ex h IIIC T85°C Db
Tamb -20°C to +55°C

- II – Equipment Group
- 2/3 – Atex Category
- GD – Gas & dust
- h- non- electrical protection concept
- IIC / IIIC – IEC equipment group
- T6 / T85°C – temperature classification
- Gc /Gb – equipment protection level (gas)
- Dc/Db – equipment protection level (dust)
- Tamb – ambient temperature range

SPARK FORMATION

There is an increased danger of ignition when certain material pairings clash, namely non-corrosion-resistant steel or cast iron against aluminium, magnesium or pertinent alloys. This applies especially in the case of rust or surface rust. When assembling the product and inserting fastening components, these must therefore be clear of rust and debris of any kind. As stated previously, care must be taken to ensure the gantry is handled in a suitable manner, never thrown down and always placed carefully onto the ground.

REID recommends the use of corrosion resistant tools when assembling this product to prevent the possibility of any sparks.

STATIC ELECTRICITY

For Zone 1 and 2 applications, there is a potential risk of static electricity build-up leading to an incentive spark. Although the risk of such ignition is unlikely, the system must be earthed during assembly and use. The sockets should be in direct contact with the ground and there should be no membrane separating the socket from the ground. If the route to earth for the structure cannot be guaranteed, then an earthing cable should be used.

INSPECTION, MAINTENANCE & REPAIR

Special attention should be given to dust deposits on the structure, especially in areas where the profiles come into contact, and should be wiped clean and care taken not to apply materials that could create electrostatic charging.

Additionally, the kingpin should be checked to ensure it rotates freely and the lower bearing must be ensured to be fixed to the structure with no possibility of a build-up of debris between the contact surfaces.

The structure is predominantly constructed from aluminium which will not rust. However, there are steel components used throughout. These are the fasteners, shackles and sockets. Where there is sign of any rust deposits on the aluminium structure, it should be wiped clean as above and, where there is sign of rust on a steel component, that component should be removed from use and the structure not used until a replacement is fitted.

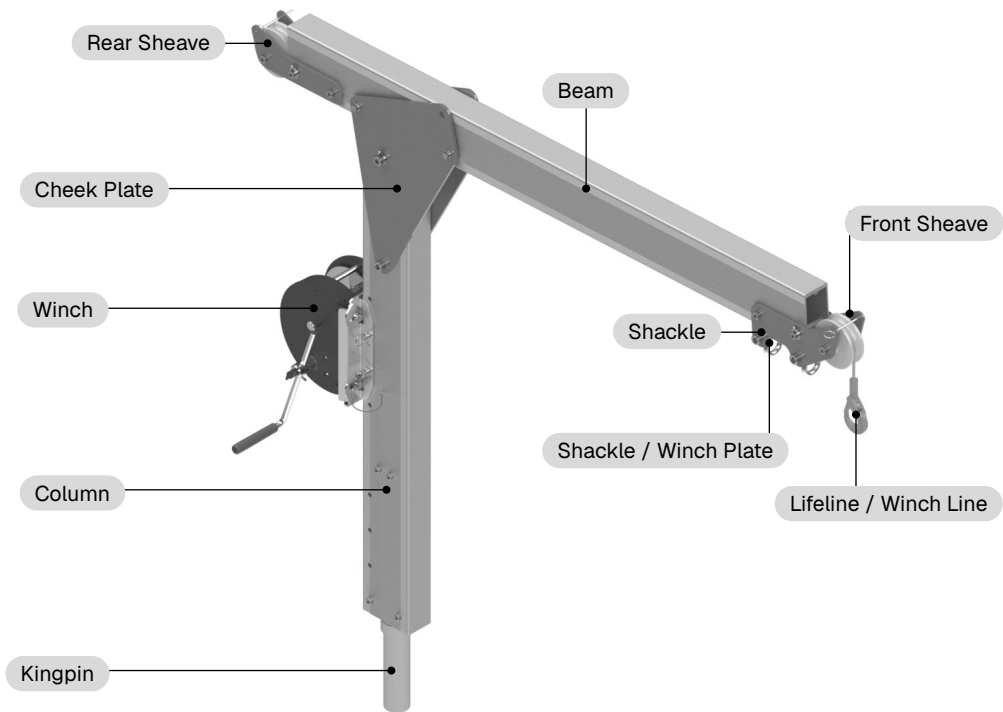
If using the product in explosive atmospheres, in addition to the Regular Inspection and Maintenance information above, these additional instructions should be followed:

Inspections must be instigated by the user prior to each use if used in a potentially explosive atmosphere.

Inspections and maintenance must be carried out at a safe distance away from an explosive atmosphere.

ASSEMBLY INSTRUCTIONS

The TDavit and its constituent components are described in the image below.
The use of a socket extension is optional and the socket type may vary between a Top Mount, Side Mount, Bridge Mount, Cast In or Resin Bonded, depending on application. The TDavit shown is a winched version but an unwinched variant is also available.



APPROPRIATE PPE MUST BE WORN

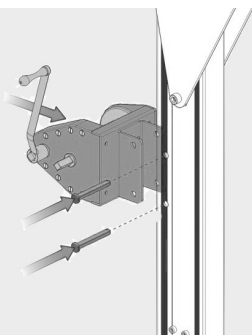
Gloves | Protective Footwear | Hard Hat



01

Insert the TDavit into the socket as shown.

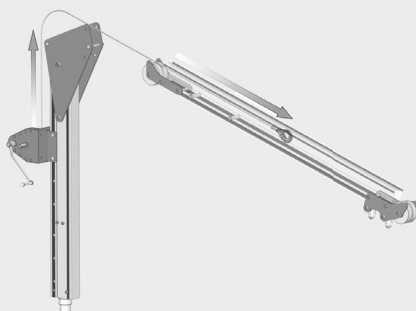
Top Mount socket shown. If using a socket extension, install first. The use of a ladder may be required.



02

Attach the winch onto the column and secure with pins.

Winch is for illustration only; winch installation may differ. Contact your REID sales representative for more details.

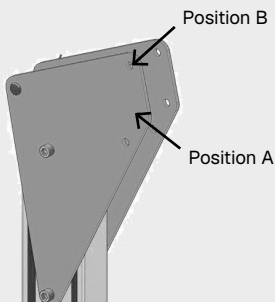


03

Play out sufficient rope to thread through the length of beam whilst at ground level

Thread the rope over the sheaves and through the beam as shown

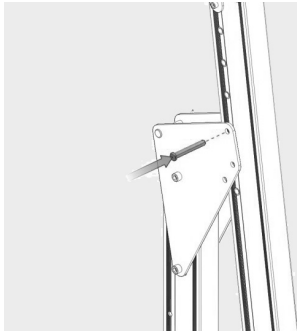
The rope retaining pins need to be removed to fit the rope in the sheave then reinserted ensuring they are secure



04

→ The TDavit beam can be assembled at 2 positions as shown

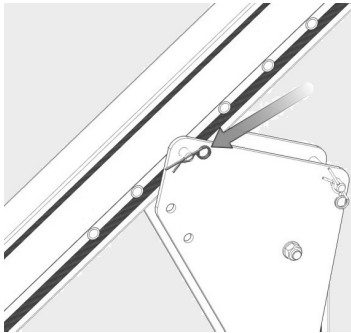
→ Ensure the correct set-up is chosen at this stage



05

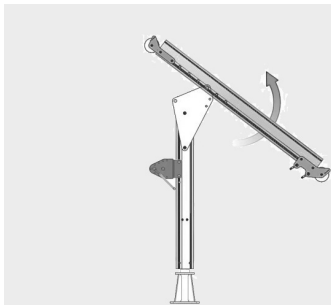
Present the beam to the chosen location and insert the clevis pin.

If a socket extension is being used, the use of a ladder may be required.



06

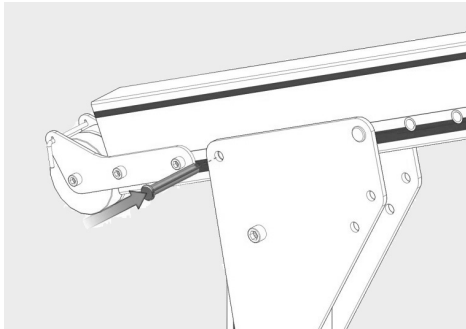
Secure Present the beam to the chosen location and the pin with retaining R-clip.



07

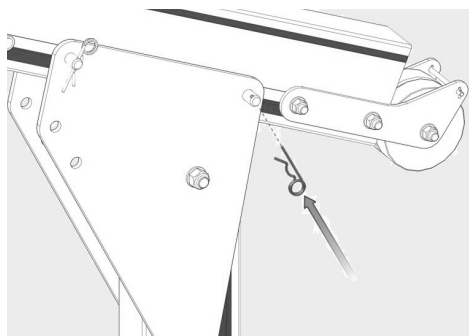
Rotate the beam as illustrated.

In some circumstances the winch can be used to rotate the beam in line for the pin insertion.



08

Insert the clevis pin to take the weight of the beam.

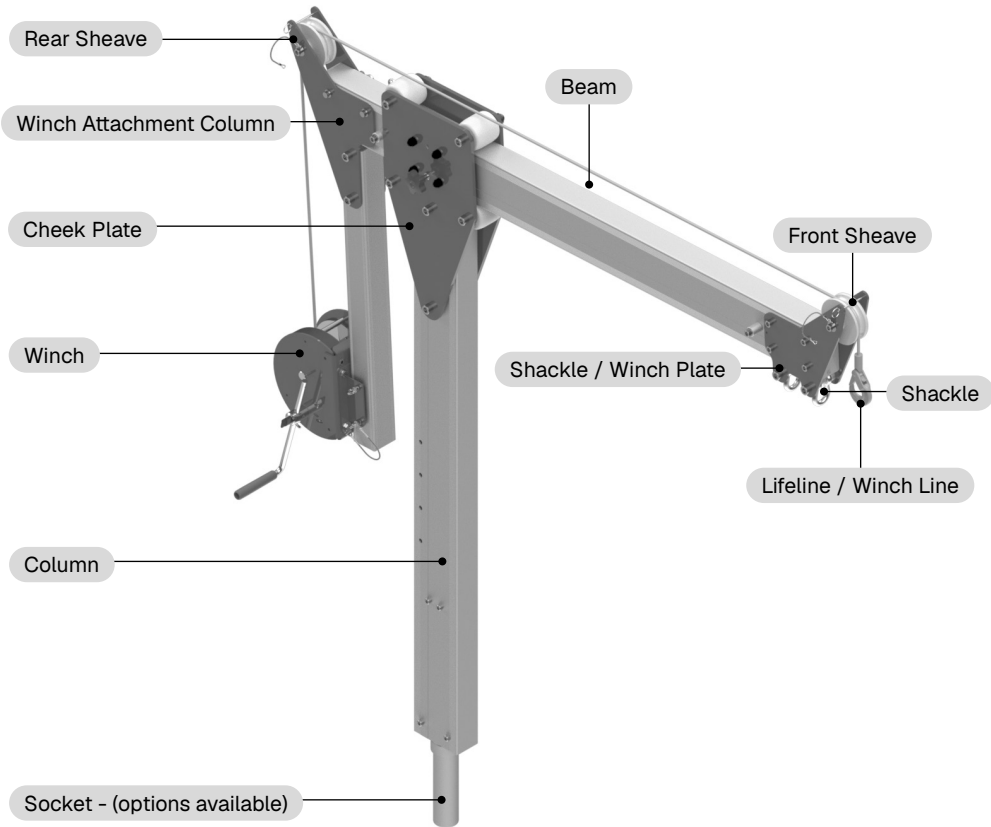


09

- Secure the pin with the R-clip
- For disassembly, reverse steps 1-9

ASSEMBLY INSTRUCTIONS

The TDavit Variable Winch and its constituent components are described in the image below.
The use of a socket extension is optional and the socket type may vary between a Top Mount, Side Mount, Bridge Mount, Cast In or Resin Bonded, depending on application.



APPROPRIATE PPE MUST BE WORN

Gloves | Protective Footwear | Hard Hat



01

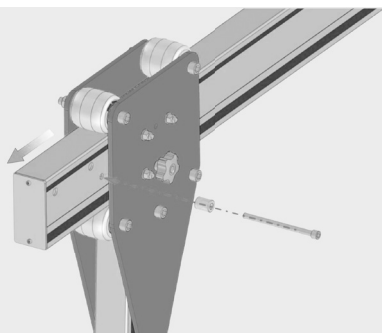
Insert the T DAVIT into the socket as shown.

Top Mount socket shown. If using a socket extension, install first. The use of a ladder may be required.



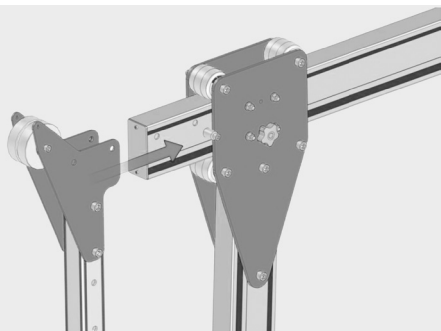
02

Place the beam between rollers and slide it in.



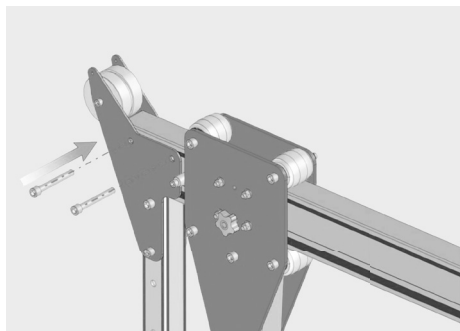
03

- Insert and secure bolt and spacer as shown
- This will act as a stopper to prevent the beam from disengaging



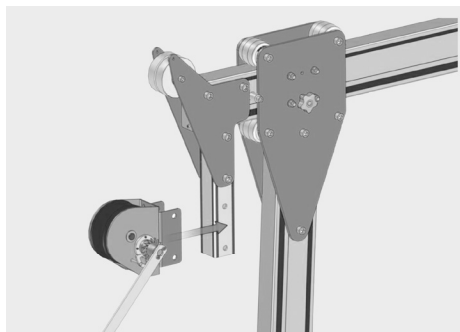
04

Place winch attachment column to the beam as shown.



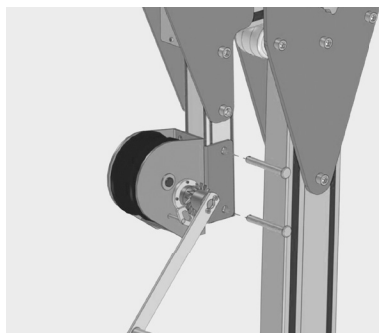
05

Secure attachment with the nuts and bolts supplied.



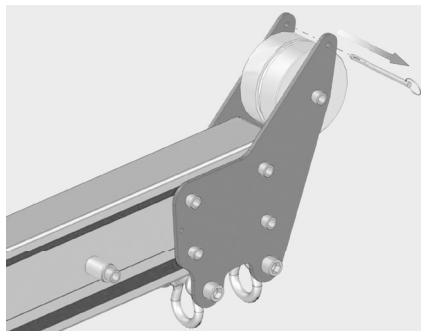
06

Place the winch and bracket in position.



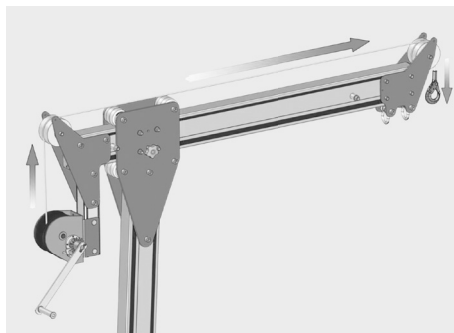
07

Secure assembly with the pins supplied.



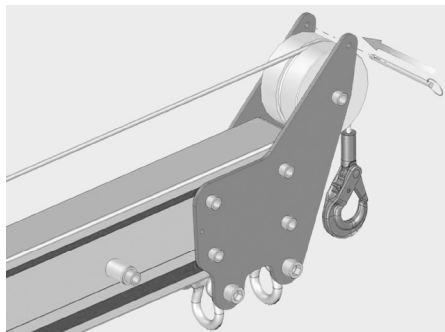
08

The rope retaining pins need to be removed before fitting the rope.



09

Thread the rope over the sheaves.



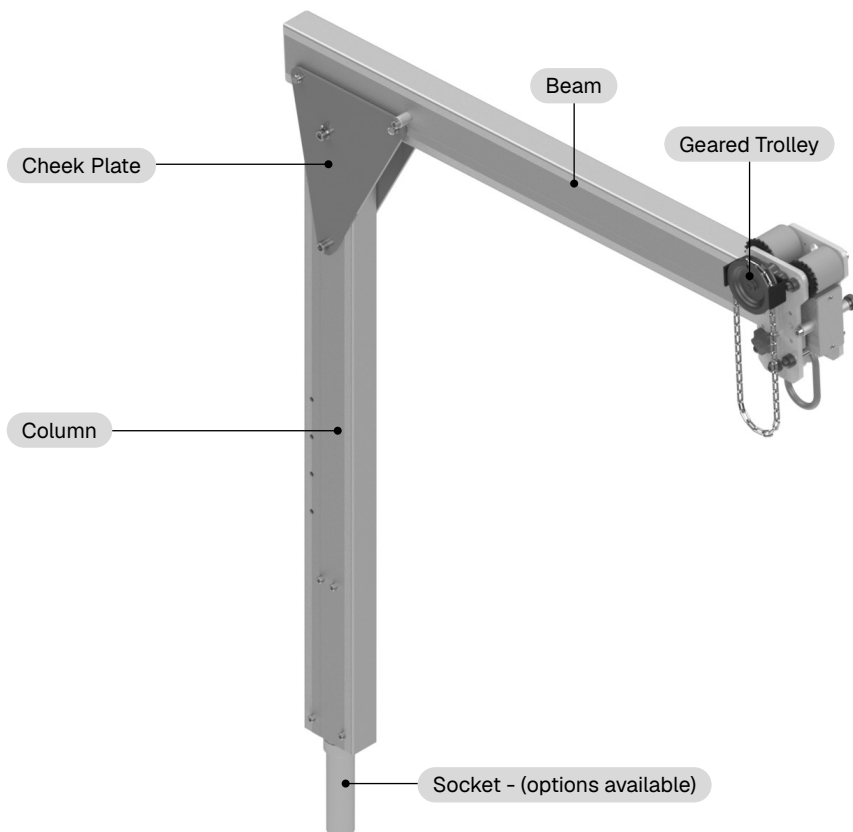
10

Reinsert pins ensuring they are secure
Please refer to the Operating manual of the
winch before use

ASSEMBLY INSTRUCTIONS

The TDavit Geared Trolley and its constituent components are described in the image below.

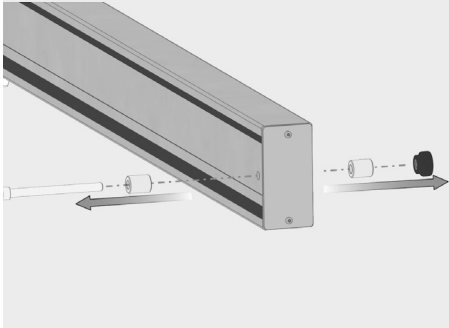
The use of a socket extension is optional and the socket type may vary between a Top Mount, Side Mount, Bridge Mount, Cast In or Resin Bonded, depending on application



APPROPRIATE PPE MUST BE WORN

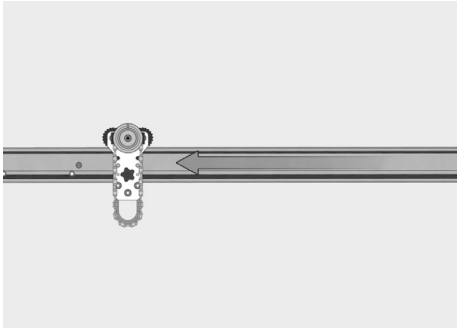
Gloves | Protective Footwear | Hard Hat

ASSEMBLING THE TROLLEY



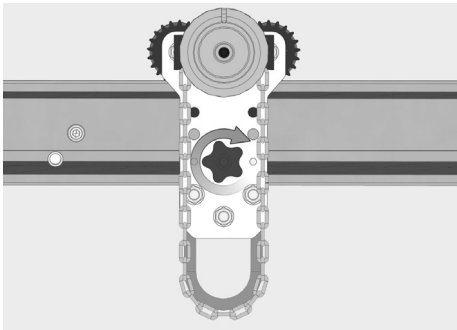
01

Remove bolt and spacer at the front of the beam.



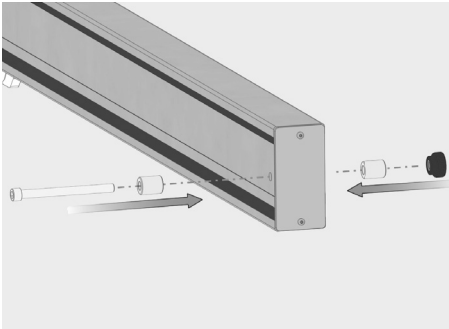
02

Thread beam trolley over the end of the beam.



03

Lock trolley with friction brake at approximately centre position.



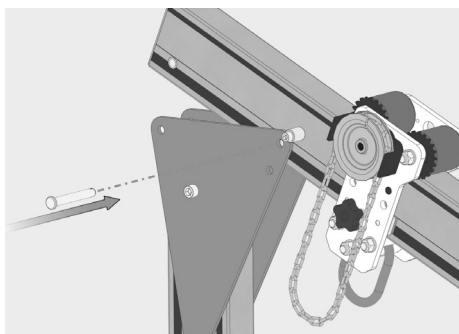
04

Reinsert bolt and spacer ensuring they are secure.



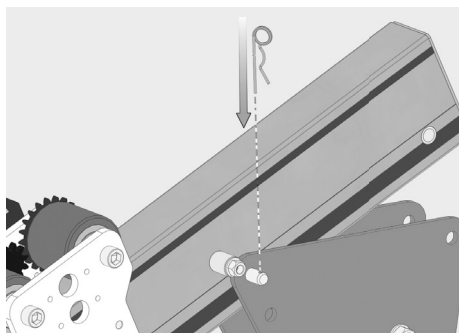
05

Insert T Davit column into the socket.



06

Present the beam to the column and insert clevis pin to take the weight of the beam.



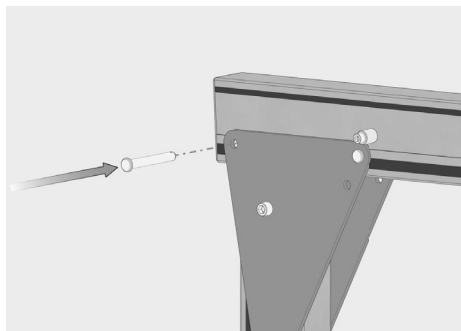
07

Secure the pin with retaining R-clip.



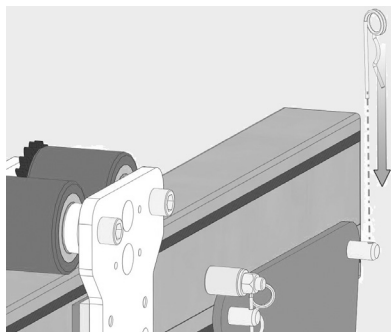
08

Rotate the beam as illustrated.



09

Insert rear clevis pin



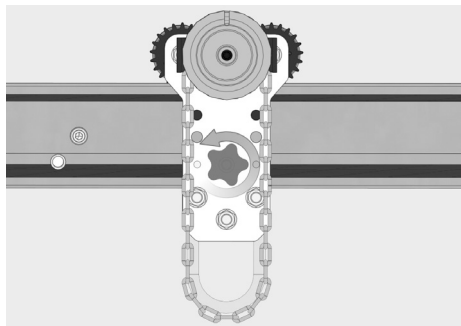
10

Secure the pin with retaining R-clip.



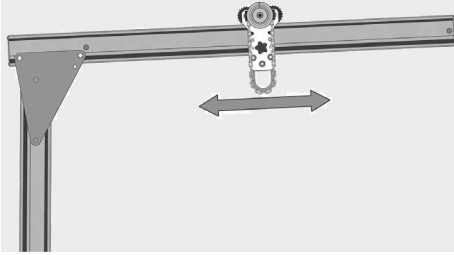
11

The T Davit is now erect.



12

Release trolley brake.



13

Use the hand chain to move the trolley along the beam.

ACCESSORIES

ROTATIONAL HANDLE

A rotational handle can be fitted to the column of the Davit to aid rotation underload. Dependent on the load lifted, users can experience a range of efforts.

To ease some of the higher efforts, as well as using the handle, users can attach a rope to the front shackles in the head of the davit to support the rotation.

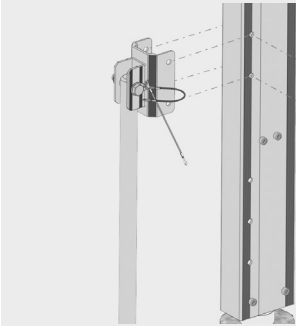
The rotation should be done in a controlled manner.

ROTATION HANDLE APPROX EFFORT

The jack legs and brackets should be subjected to periodic inspections by a competent person in line with the products inspection and maintenance guidelines. It is recommended that when not in use the jack legs are removed and stored in a clean and dry manner. The jack leg should be lubricated with EP2 grease on the internal thread and gears, at regular intervals (up to 6 months maximum), depending on service conditions.

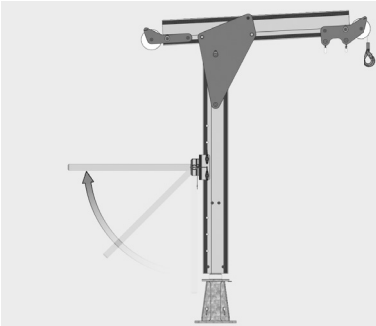
Rotational Handle Approx Effort				
Davit Load (kg)	300	400	500	600
Approximate Effort (kg)	25	35	40	50

USING THE ROTATIONAL HANDLE



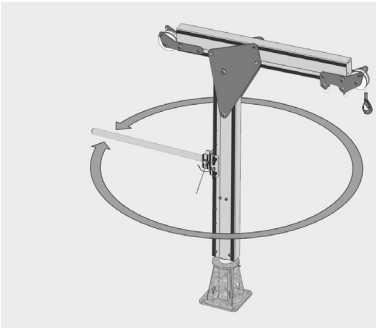
01

Attach the rotational handle to the column of the Davit at a suitable height (Ideal position should be around hip height). Secure in place with the pins provided.



02

Rotate the handle upwards 90° to be perpendicular to the Davit column.



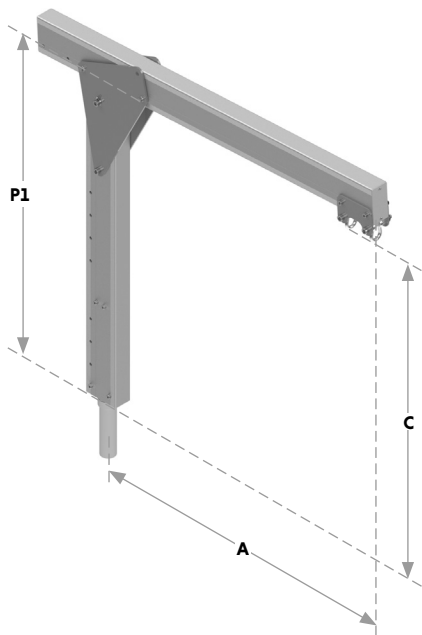
03

Push and pull the handle to rotate the Davit.

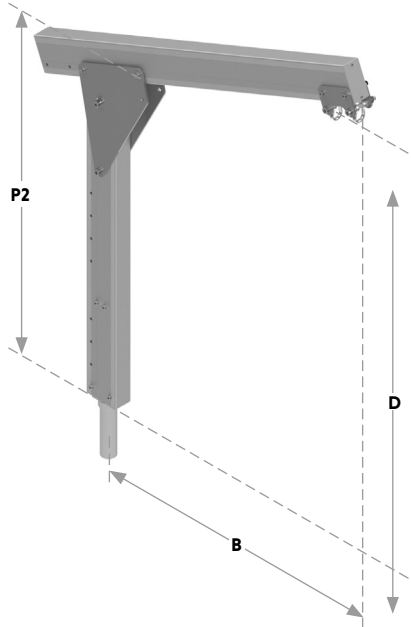
DIMENSIONS

TDavit | Shackled

PIN POSITION 1



PIN POSITION 2



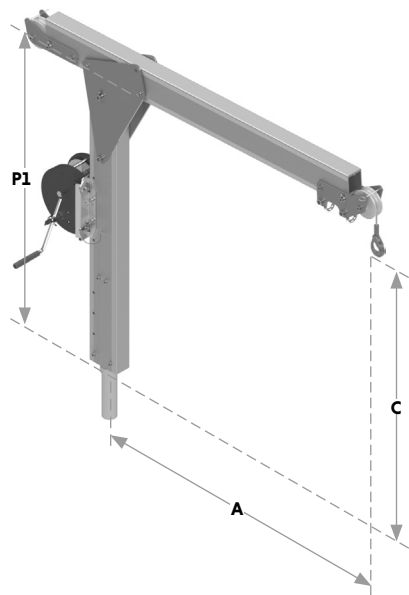
Pin Position 1
A Radius
C Height of Lift
P1 Height of Pin

Pin Position 2
B Radius
C Height of Lift
P2 Height of Pin

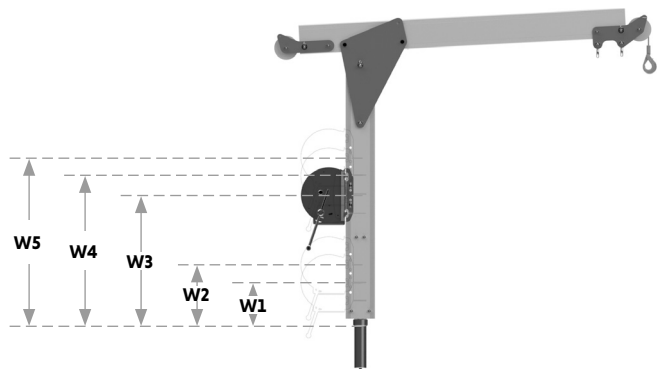
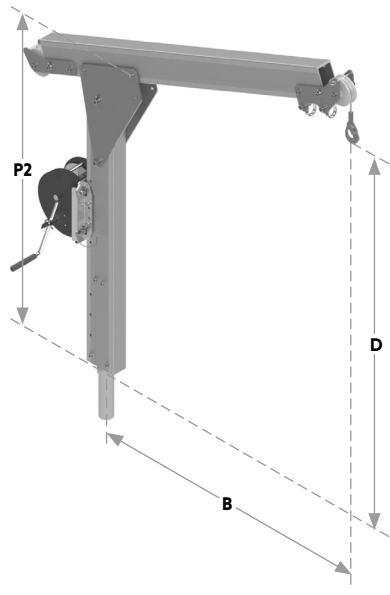
Pin Position 1		Column Option							
			1	2	3	4	5		
		Column Weight (kg)	20	21	23	25	28		
Beam Option	Beam Weight (kg)	Radius (mm)	Height of Lift (mm)					Materials Capacity (kg)	Fall Arrest Capacity (No. of persons)
		A	C						
0	9	650	880	1060	1370	1685	1995	600	1
1	10	850	890	1070	1380	1695	2005	500	1
2	11	1050	900	1080	1390	1705	2015	500	1
3	14	1450	920	1100	1410	1725	2035	375	1
4	17	1850	940	1120	1430	1745	2055	300	0

Pin Position 2		Column Option							
			1	2	3	4	5		
		Column Weight (kg)	20	21	23	25	28		
Beam Option	Beam Weight (kg)	Radius (mm)	Height of Lift (mm)					Materials Capacity (kg)	Fall Arrest Capacity (No. of persons)
		B	D						
0	9	590	1100	1280	1590	1905	2215	600	1
1	10	775	1175	1355	1665	1980	2290	500	1
2	11	960	1250	1430	1740	2055	2365	500	1
3	14	1335	1395	1575	1885	2200	2510	375	1
4	17	1705	1550	1730	2040	2355	2665	300	0

PIN POSITION 1



PIN POSITION 2



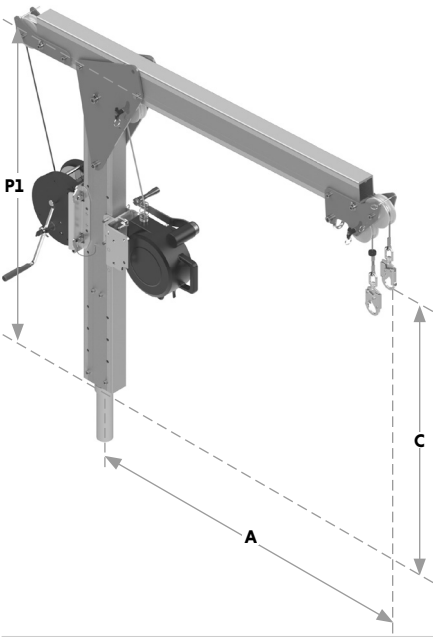
Pin Position 1		Pin Position 2			
A	Radius	B	Radius	W1	Winch Position 1
C	Height of Lift	C	Height of Lift	W2	Winch Position 2
P1	Height of Pin	P2	Height of Pin	W3	Winch Position 3
				W4	Winch Position 4
				W5	Winch Position 5

Pin Position 1		Column Option							
			1	2	3	4	5		
		Column Weight (kg)	20	21	23	25	28		
Beam Option	Beam Weight (kg)	Radius (mm)	Height of Lift (mm)					Materials Capacity (kg)	Fall Arrest Capacity (No. of persons)
		A	C						
0	11.5	800	800	980	1290	1605	1915	600	1
1	12	1000	810	990	1300	1615	1925	500	1
2	13	1200	820	1000	1310	1625	1935	500	1
3	16	1600	840	1020	1330	1645	1955	375	1
4	19	2000	860	1040	1350	1665	1975	300	0

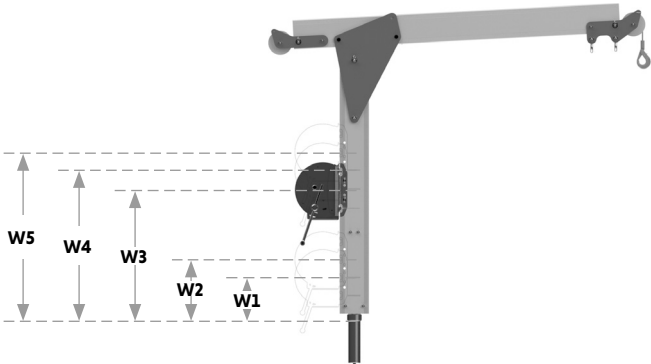
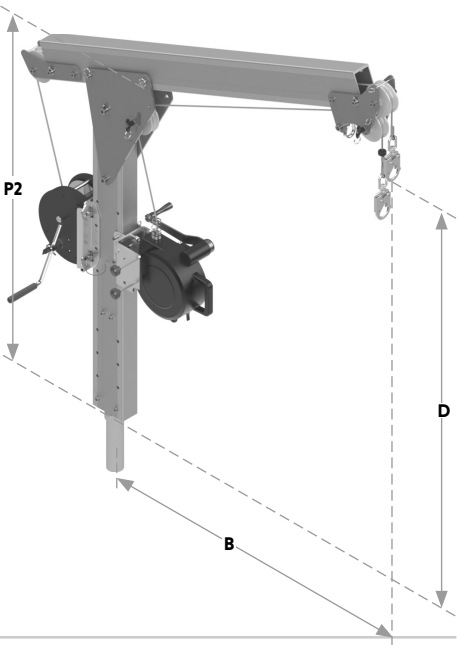
Pin Position 2		Column Option							
			1	2	3	4	5		
		Column Weight (kg)	20	21	23	25	28		
Beam Option	Beam Weight (kg)	Radius (mm)	Height of Lift (mm)					Materials Capacity (kg)	Fall Arrest Capacity (No. of persons)
		B	C						
0	11.5	740	1050	1230	1540	1855	2165	600	1
1	12	925	1125	1305	1615	1930	2240	500	1
2	13	1110	1200	1380	1690	2005	2315	500	1
3	16	1485	1345	1525	1835	2150	2460	375	1
4	19	1855	1500	1680	1990	2305	2615	300	0

TDavit | Double Winched

PIN POSITION 1



PIN POSITION 2

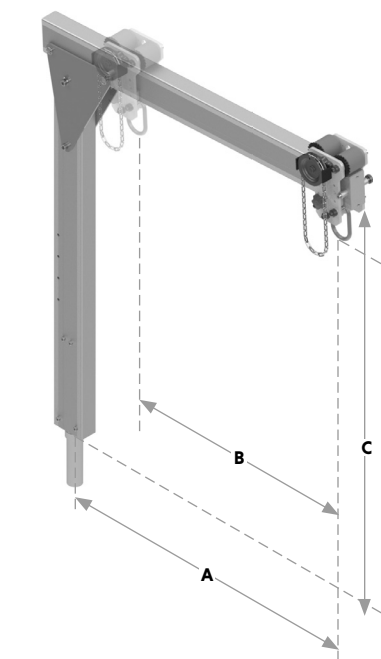


Pin Position 1	Pin Position 2	W1	Winch Position 1
A Radius	B Radius	W2	Winch Position 2
C Height of Lift	C Height of Lift	W3	Winch Position 3
P1 Height of Pin	P2 Height of Pin	W4	Winch Position 4
		W5	Winch Position 5

Pin Position 1		Column Option						
			3	4	5			
		Column Weight (kg)	23	25	28			
Beam Option	Beam Weight (kg)	Radius (mm)	Height of Lift (mm)			Materials Capacity (kg)	Personnel Capacity (kg)	Fall Arrest Capacity (No. of persons)
		B	C					
0	11.5	800	1290	1605	1915	600	300	1
1	12	1000	1300	1615	1925	500	250	1
2	13	1200	1310	1625	1935	500	250	1

Pin Position 2		Column Option						
			3	4	5			
		Column Weight (kg)	23	25	28			
Beam Option	Beam Weight (kg)	Radius (mm)	Height of Lift (mm)			Materials Capacity (kg)	Personnel Capacity (kg)	Fall Arrest Capacity (No. of persons)
		B	C					
0	11.5	740	1540	1855	2165	600	300	1
1	12	925	1615	1930	2240	500	250	1
2	13	1110	1690	2005	2315	500	250	1

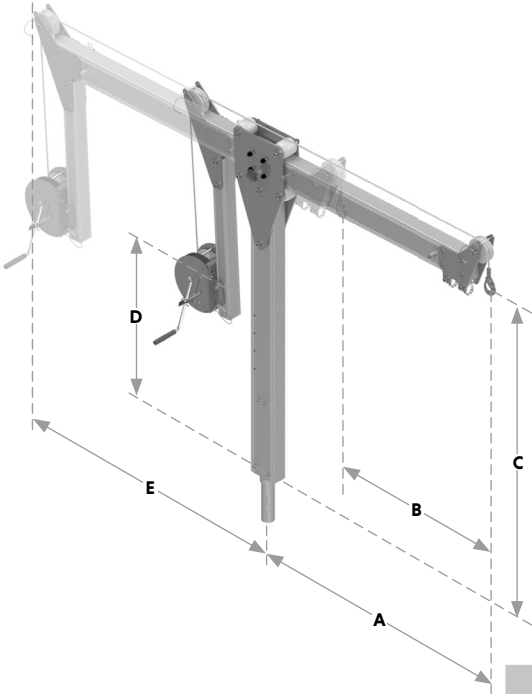
TDavit | Geared Trolley



				Column Option				
					3	4	5	
				Column Weight (kg)	23	25	28	
Beam Option	Beam Weight (kg)	Radius (mm)		Trolley Movement range (mm)	Height of Lift (mm)			Materials Capacity (kg)
		A Max	A Min	B	C			
1200	12	1200	335	865	1320	1635	1945	400
1500	14	1500	335	1165	1335	1650	1960	400
1700	15	1700	335	1365	1346	1661	1971	200
2000	18	2000	335	1665	1361	1676	1986	200

- A** Max. Radius
- B** Trolley movement range
- C** Height of Lift

TDavit | Variable Winch



Column Option			
	3	4	5
Column Weight (kg)	31	33	35

Beam Option	Beam Weight (kg)	Radius (mm)		Beam Movement range (mm)	Beam Clearance (mm)	Height of Lift (mm)			Materials Capacity (kg)
		A Max	A Min			B	E	C	
1200	22	1200	474	726	1230	1320	1635	1945	300
1500	24	1500	474	1026	1503	1335	1650	1960	300
1700	25	1700	474	1226	1721	1346	1661	1971	150
2000	27	2000	474	1526	1995	1361	1676	1986	150

A	Radius	D	Height to the winch
B	Range of beam movement	E	Beam clearance
C	Height of lift		

QUALITY & SAFETY

REGULATIONS, STANDARDS & DIRECTIVES

This product complies with the following:

- ATEX Directive - 2014/34/EU
- Machinery Directive 2006/42/EC
- PPE Regulation (EU) 2016/425
- The Provision and Use of Work Equipment Regulations 1998 (S.I. 1998 No. 2306)
- The Lifting Operations and Lifting Equipment Regulations 1998 (S.I. 1998 No. 2307)
- In conformity with EN795:2012, AS/NZS 5532:2013 and PD CEN/TS 16415:2013

It is essential to adhere to the safety regulations of the respective country for using manual lifting equipment.

ACCREDITATIONS

Quality and safety are key themes throughout this document and the REID Lifting ethos. It is with this in mind that we have undertaken external accreditations to ensure we stay focused on what is important to our clients and users, and ahead of market trends and developments.

REID Lifting is continuously audited by Lloyds Register Quality Assurance (LRQA) for approval of its Integrated Management System combining quality systems management, environmental issues and the health and safety practices within the company.

ISO 9001:2015 - Specifies requirements for a quality management system for any organization that needs to demonstrate its ability to consistently provide products that meet customer and applicable regulatory requirements and aims to enhance customer satisfaction

ISO 14001:2015 - Specifies the requirements for implementing environmental management systems throughout all areas of the company

ISO 45001 – Health & Safety Management System

LEEA Membership - REID Lifting is a full member of the Lifting Equipment Engineers Association (LEEA membership 000897). REID Lifting conforms to the main aims of the association which is to achieve the highest standards of quality and integrity in the operations of members. Entry qualifications are demanding and strictly enforced through technical audits based on the Technical Requirements for Members

CONFORMITÉ EUROPÉENNE [CE] & UK CONFORMITY ASSESSED [UKCA]

REID Lifting's products have been designed, tested and approved (as appropriate) by the Conformité Européenne and UK Conformity Assessed. This certifies that REID Lifting's products meet the demands of the European and UK Directives and Regulations regarding Health and Safety requirements. The CE type-examination for this device has been carried out by SGS Fimko Oy, Takomotie 8, FI-00380 Helsinki, Finland. (CE notified body no. 0598) and SGS United Kingdom Limited, Rossmore Business Park, Ellesmere Port, Cheshire, CH65 3EN, United Kingdom (UKCA approved body no.0120) in accordance with Module B of the Regulation (EU) 2016/425 and as brought into UK law and amended. The CE quality assurance system for this device has been carried out by SGS Fimko Oy, Takomotie 8, FI-00380 Helsinki, Finland. (CE notified body no. 0598) and SGS United Kingdom Limited, Rossmore Business Park, Ellesmere Port, Cheshire, CH65 3EN, United Kingdom (UKCA approved body no.0120) in accordance with Module D PPE Regulation (EU) 2016/425 and as brought into UK law and amended.

TESTING

Testing and technical file review are integral parts of our design and manufacturing process. External verification of products is undertaken where appropriate, using government approved and notified bodies.

All products have been thoroughly type tested. Each product is supplied with a certificate of conformance and individual record of thorough examination or test.

LANGUAGE

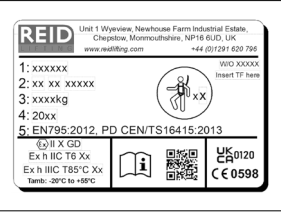
It is essential for the safety of the user that if this product is re-sold outside of the original country of destination, the reseller shall provide instructions for use, maintenance, inspection and repair in the language of the country where it will be used.

PRODUCT IPR

Intellectual property rights apply to all REID Lifting Ltd products. See reidlifting.com for more details.

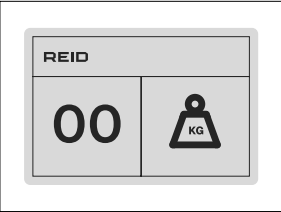
PRODUCT LABELLING

THE FOLLOWING LABELS MUST BE PRESENT ON YOUR SYSTEM AND MUST BE LEGIBLE.



01 - Serial

x1 per beam
x1 per column



02 - Unit Weight

x1 per beam
x1 per column



03 - Product Name

x1 per Column



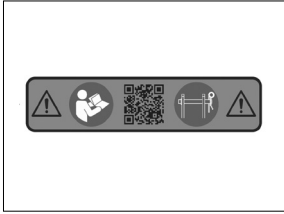
04 - Reid logo

x1 per Beam



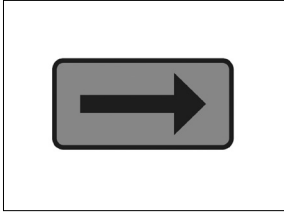
05 - Maximum WLL

x1 per Column
x1 per Beam



06 - Ensure pin fully inserted

x1 per cheek plate



07 - Beam direction

x1 per cheek plate

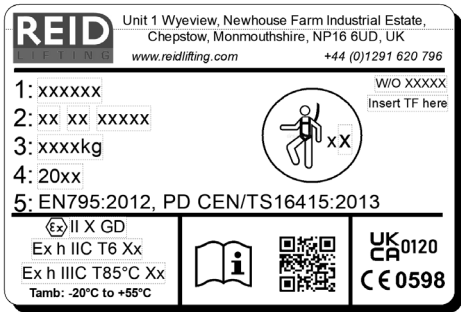


08 - Heavy load

x1 per TDavit bag

PRODUCT IDENTIFICATION & INSPECTION RECORD

MARKING



The system is not suitable for fall arrest applications.



The system is suitable for fall arrest applications. Specify number of users.
Max weight of 150kg.

THE SERIAL LABELS INDICATE:

- | The product identification number
- | The product's unique serial number
- | The goods' capacity (WLL) of the device
- | The year of manufacture
- | The standards to which the device is approved
- | The ATEX rating of the product (if applicable)
- | CE Marking
- | Minimum braking load (MBL)

INSERT DATA FROM SERIAL NUMBERS FOUND ON PRODUCT INTO TABLE HERE:

PERIODIC EXAMINATION & REPAIR HISTORY



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