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DAVITS INFORMATION & CERTIFICATION



LIFTING AND HANDLING SERVICES
TEST HOUSE
SOLUTIONS FOR INDUSTRY



Company Profile

Lifting and Handling Services is an independent Test House, carrying out statutory inspection and certification of materials handling and safety equipment. Our company takes inspection to the next level by combining the right people, processes and experience with personal attention to provide our clients with an unrivalled quality of service.

We were the first company of our kind in Ireland to develop a state of the art bespoke online safety management programme which our clients can access 24/7 to view a comprehensive suite of reports surrounding statutory inspection history, plant failures, repairs and statistical analysis.



Services Provided

Lifting and Handling Services provide the following services to our clients nationwide:

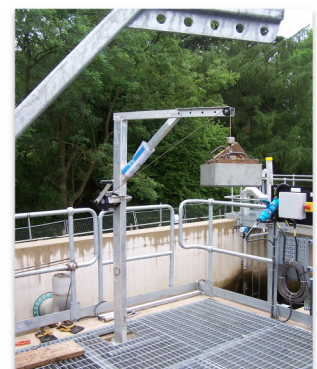
- | | |
|---|---|
| ✓ Statutory Inspection and Certification of Materials Handling & Safety Equipment | ✓ Product Investigation & Reporting |
| ✓ Calibration & Certification of Torque Measure Devices | ✓ Accident & Incident Investigation |
| ✓ P.A.T. (Portable Appliance Testing) Solutions | ✓ Expert Witness |
| ✓ Static Testing | ✓ Safety Audits & Risk Assessments |
| ✓ Non Destructive Testing Services | ✓ Ergonomics – Work Risk Analysis & Solutions |
| ✓ Fuel Dispenser / Pump Testing | ✓ Safety Training Courses |
| ✓ CAD Design & Simulations for steel structures | ✓ Safety Management Consultation |
| | ✓ Air Receivers & Pressure Vehicles |



Davits

Lifting and Handling Services can supply a wide variety of aluminium and lifting davits, and all associated plant for lifting, access and egress including:

- Aluminium Davits
- Lifting Davits
- Sockets
- Hoists and Winches
- Man Riding Applications
- Fall Arresters / Harnesses



A full range of Davits are available



Aluminium Davits

Aluminium Davits are **lightweight**, which means they can easily be transported by one person. We can supply two designs of Aluminium Lifting Davits, TRACK500 and TRACK600 which can be seen below. This portable lifting equipment has a radius which can be 760-1200 although this may alter with customer requirements. The safe working load can be between 250 and 750kg. The Aluminium designs can be left self colour or powder coated to your chosen colour. These davits can be supplied with bags should they be required.

These Lifting Davits can be used with hand chain blocks, electric and manual hoists, winches and lifting chains. Lifting Davits can also be made from Stainless Steel, Aluminium, as well as the standard Mild Steel Galvanised option.

TRACK500



TRACK600



Lifting Davits - General

Standard davits come in various sizes. The following table shows the stock standards, although bespoke davits are available on request. These davits can be made from galvanised steel, stainless steel or aluminium.

We also design and manufacture bespoke equipment for bodies, chemical and pharmaceutical companies. A wide range of ancillary equipment related to the equipment is also available ie. hoisting, rescue and monitoring equipment.

Post Size	SWL	Radius	Drawing No.
dia 65	250kg	760mm	D25K28
dia 65	500kg	760mm	D50K26
dia 65	500kg	760mm	D50K230 (bearing)
dia 65	250kg	1000mm	D25K27
dia 76	250kg	760mm	D25K5
dia 75	500kg	1050mm	D50K204 (bearing)
dia 76	500kg	760mm	D50K215 (bearing)
dia 76	500kg	1200mm	D50K211 (bearing)
dia 85	500kg	1050mm	D50K181 (bearing)
dia 85	500kg	1200mm	D50K208 (bearing)
dia 90	500kg	1050mm	D50K231 (bearing)
dia 90	500kg	1500mm	D50K52
dia 90	750kg	1000mm	D75K7
dia 90	750kg	1070mm	D75K8
dia 90	1000kg	1050mm	D100K30



Davit Sockets

The following information shows details of the various Davit Sockets. Special Sockets can also be made.

CAST IN SOCKETS

To suit dia post	SWL	Radius	Drawing No.
63.5mm	up to 500kg	600-1200	SA16
65mm	up to 250kg	600-1200	SA1
	up to 500kg	600-865	
76mm	up to 250kg	600-1400	SA4
	up to 500kg	600-800	
85mm	up to 250kg	600-1500	SA7
	up to 500kg	600-1200	
90mm	up to 500kg	600-1500	SA10
	up to 1000kg	600-1070	
100mm	up to 250kg	600-1200	SA67
112mm	up to 500kg	600-1000	SA114
125mm	up to 500kg	600-1500	SA32
127mm	up to 250kg	600-1500	SA167

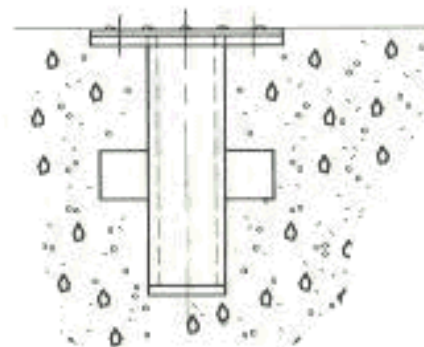
SURFACE MOUNTED SOCKETS

To suit dia post	SWL	Drawing No.
63.5mm 300sq	up to 500kg	SA175
63.5mm 400sq	up to 500kg	SA139
65mm 4 hole	up to 500kg	SA75
65mm 8 hole	up to 500kg	SA2
76mm 300sq	up to 250kg	SA46
76mm 400 sq	up to 250kg	SA22
76mm 4 hole	up to 500kg	SA59
76mm 8 hole	up to 500kg	SA223
85mm 4 hole	up to 500kg	SA40
85mm 8 hole	up to 500kg	SA13
90mm	up to 1000kg	SA11
100mm 300sq	up to 250kg	SA71
100mm 400sq	up to 250kg	SA70
112mm	up to 500kg	SA31

WALL MOUNTED SOCKETS

To suit dia post	SWL	Drawing No.
65mm	up to 250kg	SA53
	up to 500kg	SA3
75mm Heavy Duty	up to 500kg	SA6
76mm	up to 250kg	SA62
85mm	up to 250kg	SA18
	up to 500kg	SA9
90mm	up to 250kg	SA39
	up to 1000kg	SA12
100mm	up to 250kg	SA107
112mm	up to 500kg	SA145

Inverted and bridge mounted sockets are also available.



Socket



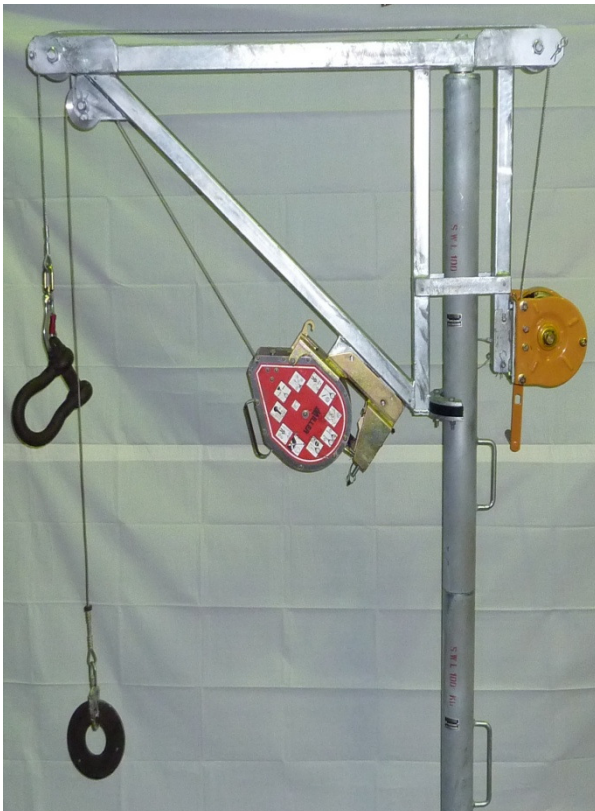
Man Riding Davits

Man riding davits can be designed similar to standard lifting davit designs. Swing Jibs for man riding applications are also available. The below table shows some of the standard details and photographs showing the latest designs.

These davits have previously being manufactured using Galvanised Mild Steel and Stainless Steel.



Post Size	Radius	Drawing No
dia 75	1000mm	D20K30
dia 100	1200mm	SJD388
Fixed Swing Jib	1500mm	SJ468





Fall Arresters, Harnesses, Tripods & Gas Detectors

We can also supply fall arresters, harnesses, tripods and gas detectors, as shown below:



Please contact us for full information on any of the above items.



Pump Lifting Chain

The HSE (UK) and the HSA have classified the operation of raising pumps as lifting and, although there is no specific Standard at present although we were informed that there is a standard currently being worked on. Therefore all equipment used should follow the principles laid down in the relevant standards covering lifting equipment. All our pump chain products are designed accordingly.

STANDARD PUMP LIFTING CHAINS

The Pump Chains are manufactured from short link chain, proof tested to twice the Safe Working Load (SWL.), and have a minimum safety factor of four to one.

STAINLESS STEEL AISI 316 PUMP LIFTING CHAINS

These Pump Chains are based on the BS EN818 Standard, covering short link chain for lifting purposes. Although the rings are not covered by this standard, or any such standard, they are selected to meet the design criteria both mechanically and chemically. We can also supply Stainless Steel Pump Lifting Chains.

GRADE 40 GALVANISED PUMP LIFTING CHAINS

These Pump Chains are based on the BS EN818 Standard, covering short link chain for lifting purposes. Although the rings are not covered by this standard, or any such standard, they are selected to meet the design criteria both mechanically and chemically.

Pump Chains are fitted with CE marked identification chain tags giving full traceability and stating the S.W.L. They are supplied with a Certificate of Test and Examination/Declaration of Conformity. Galvanised Pump Chains are manufactured using Grade 40 Carbon Steel, galvanised to BE EN ISO 1461





Pully-man Winch

This portable winch has surpassed all expectation from operators of lifting pumps where they have previously used manual chain blocks.

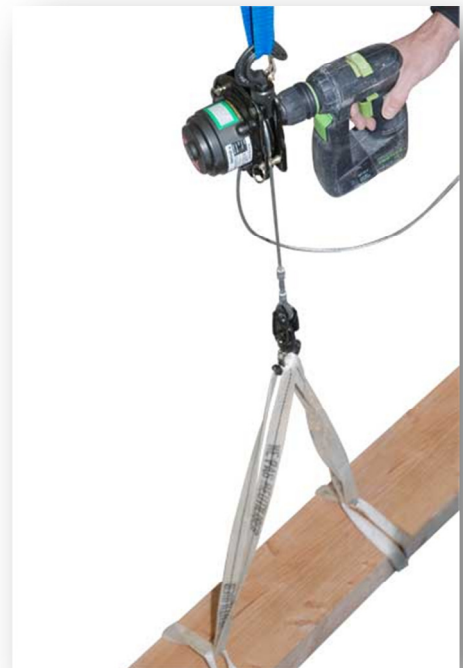
Mini Portable Pulley-Man Winch – Capacity 300kg

This winch is space saving and can be used in all circumstances. Driven by your drill driver (cored or battery) reaches up to 600kg and towing up to 3 tons Tow winch and occasional lifting of a load capacity of 300kg in single strand on a and 600kg in reeving: lifting over two strands (tackle kit options).

Tensile: 1.5Ton on one strand and two strands of 3 Tons.

Specifications:

- For use with all screwdrivers and electric drills, or wireless
- Winch speed is determined by that of the drill-driver.
- The force adjustment screw you drill-driver can play the role of force limiter winch.
- Easily installation with hanger.
- Hoisting Speed: Approx. 5m / min for a speed of drill-driver 1000 r / min.
- Compact and lightweight, ideal for transport on site and quick installation.
- Ability to work with an unlimited length of cable in tension. Lifting 50m (beyond 12m, expect a 10% loss of strength lift with 10m).
- Comes with 12m cable (Galvanized aircraft grade cable Ø 4.76mm).
- Each winch supplied with individual approval certificate, with or without screwdriver or drill.
- Tackle kit optional – For lifting capacity of 600kg.
- Automatic maintenance of the load (Gear self locking, brake patented).



Type	Capacity kg	Lifting height m	Rope dia. mm	Weight (with 12 m cable and hook) kg
Pulley-man Pulley block	300	unlimited	4.76	7.5



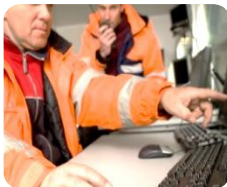
CLASS Inspection and Certification Programme

Our award winning **Inspection and Certification Programme - CLASS** gives full visibility of all details of the inspection and a full suite of reports are available on line. CLASS has being designed to ensure that every plant item that is inspected and certified is done so in conformance with I.S./EN.45004 (General criteria for the operation of bodies performing inspections). This is done to protect our clients - their personnel safety, their good name and product reputation. Our systems and procedures gives our clients and their parent organisations peace of mind regarding their statutory obligations.

CLASS delivers accurate and consistent reporting whilst providing transparency and traceability throughout, the inspection program has been proven in the Irish courts and recognised by the leading health and safety consultants in Ireland.



CLASS Web - Your access to data 24/7



Our Testing Services

Lifting and Handling Services carry out a full audit of all electrical equipment in all sections of your business, including:

- ✓ Full asset management system for your business
- ✓ Provide all aspects of statutory inspection services
- ✓ Full inspection carried out on all plant and equipment
- ✓ List of all assets and locations provided and accessible to clients
- ✓ All assets issued with Serial Number and all locations recorded
- ✓ All plant tagged on inspection
- ✓ Full set of Test Certificates provided following inspection
- ✓ Full details of maintenance and repairs identified
- ✓ Details of all equipment removed from services as a result of faults diagnosed during inspection
- ✓ Full access to all inspection reports
- ✓ *Reports available online on request*

Contact us for advice or a quotation on 045-868342 or email sales@liftingandhandling.ie