



LIFTING SOLUTIONS



W.H. SCOTT GROUP

Lifting Solutions

Electric Overhead Travelling Cranes



We can offer double girder and single girder electric overhead travelling cranes covering a range from 100kg through to 100t. A robust construction with a high level of standardisation makes our electric overhead travelling cranes very modular and adaptable to any need with highly reliable components and available for a wide range of applications. We can offer complete customisation with all cranes being designed in house by our team of experts.

Our wire rope hoists and crane components come with the latest motor and control technology. We can also provide structural supporting steel from our EN 1090 certified workshop. Our in-house design team can support you with structural steel work design, 3D modelling, FEA analysis and design calculations.

Jib Cranes



We offer a range of standard articulated and overbraced/underbraced jib cranes from 60kg to 10t with spans up to 8m, as well as bespoke jib cranes both designed and manufactured to your exact specifications.

Our range of jib cranes caters for indoor and outdoor use and are suitable for use with manual or electric hoists, with the option for manual or powered trolleys depending on what would suit your operation best.

In addition to standard jib cranes, we offer a range of articulated arm jib cranes for use with standard manual or electric hoists from our range.

www.whscottlifting.com

Portal & Semi-Portal Gantry Cranes



Portal cranes are heavy duty machines used to lift large and heavy objects. We can offer portal cranes with a cab built in for users to operate, or it can have a ground level control panel. They can also have jib cranes fitted to allow the crane to pick up objects from outside of its main working area. These cranes are highly efficient to work outdoors, achieving high speeds and capacities.

Semi-portal cranes are a very practical solution when it is not required to cover the entire width of the workshop. One side of the crane runs on the elevated runway, while the runway for the other side is on ground level.

Automotive Gantry Cranes



Built on wheels, the automotive gantry crane allows the movement of loads in all types of industries and applications with autonomy.

With a wide array of generator or diesel power gantries, from 20t to 440t, all cranes are robust, easy-to-use, easily maintained and handled, and extremely useful for sectors in the prefabricated industry and outdoor logistic warehouses (wind energy, prefabricated concrete, boilermaking, rubber tyres, gantry crane RTG, etc.).

Used or Refurbished Cranes



At WH Scott, we hold a large stock of all types of used cranes and provide a completely bespoke service, working with you to provide the best possible option for your requirements.

Although brand new equipment is appealing, it may not always be necessary, or within the project budget. Pre-owned lifting equipment might be your best bet when it comes to adding an extra workhorse to your fleet. This can provide an array of advantages and benefits to help fulfil your project needs while remaining within budget.

All refurbished cranes come complete with a used equipment warranty and our service package can include the supply, installation, testing and certification of your crane, so no stone is left unturned.

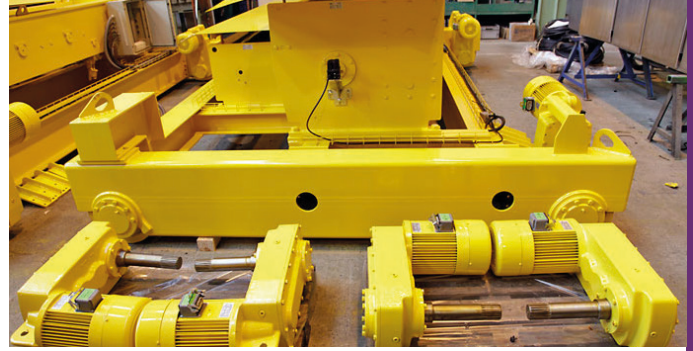
Open Winches



Called an open winch due to all the elements being manufactured with independent and different sub-assemblies for easy maintenance, it has several advantages:

- In general, open winches allow higher lifting capacities, higher speeds and higher FEM working groups
- Possibility of working with motors of 1500rpm, 1000rpm and 750rpm, bigger motor sizing.
- True vertical lift, with stable hook at the lifting time
- Easy access to components for easy maintenance
- External brake for easy access and maintenance

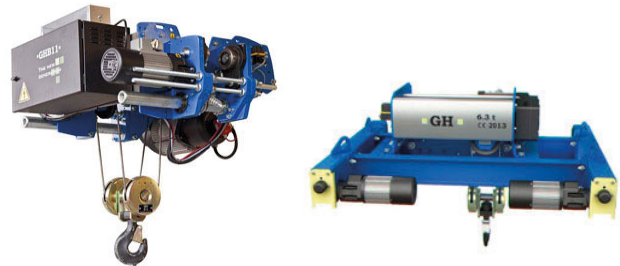
Crane Kits



Crane kits, supplied with both standardised and special components, allow for simple construction of electric overhead travelling cranes, plus gantry and suspended cranes. We can supply the girder project and all the components/ crane accessories, also including electrical equipment. Our system is modular and if you would like your steel contractor to fabricate the bridge, we can give you full fabrication drawings and design calculations as part of the supply of a complete crane kit.

Wire rope hoists can be supplied with a capacity from 1t to 100t with standard materials, and chain hoist from 100kg to 5000kg. Our expert team can design your crane kit with full customisation. Full specifications and drawings of all components can be provided at offer stage for approval.

Hoists



For use independently or with an electric overhead travelling crane, portal and semi-portal cranes, single and double girder, and other type of applications.

GH Hoists have been designed with reliability, security, durability, price and ease-of-maintenance in mind. Applications include:

- Low headroom single girder electric hoists
- Normal headroom single girder electric hoists
- Normal headroom single girder electric hoists ready for curves
- Compact double girder electric hoists
- Double girder electric hoists on end carriage
- Chain hoists
- Hoists for special applications
- Nested double girder electric hoists
- Hoists for tandem lifts

Design & Fabrication

When a demanding and challenging project requires structural steel fabrication for a lifting application, clients turn to our unmatched capabilities to meet their complex design-build requirements.

As a recognised industry leader in the fabrication, design, engineering, and erection of structural steel throughout the UK and Ireland, the core priority of our company is to successfully exceed client expectation by focusing innovation, knowledge and commitment on every commercial, industrial and public structure we assemble.

We have extensive knowledge of every aspect of steel fabrication and have completed the successful delivery of countless crane and lifting structures, up to 100 tonnes in weight. Our welding operatives are trained to coded specifications with considerable experience of NDT testing by dye pen, MPI, radiography and ultrasonic inspection.

As well as lifting solutions, we also have the ability to manufacture:

- Handrailing
- Barriers, gates and kicker plates
- Safety covers for sumps
- Open mesh and chequer plate flooring
- Access ladders
- Staircases
- Platforms
- Heavy structures
- Test weights

All of our steel fabrication work has CE marking approval up to EXC4, and our well-equipped and highly skilled fabricators can complete the following types of work to the highest standard:

- Primary structural steelwork
- Welded engineering assemblies
- Secondary metalwork
- Water processing structures
- Cranes, bridges, walkways, and support structures.

A number of our fabrication facilities throughout the UK and Ireland have the latest CNC cutting, milling and drilling machinery, and together with extensive welding facilities and a flexible workforce, we are able to work 24/7 to complete large fabrication contracts within demanding timescales when required.

Services available in-house include:

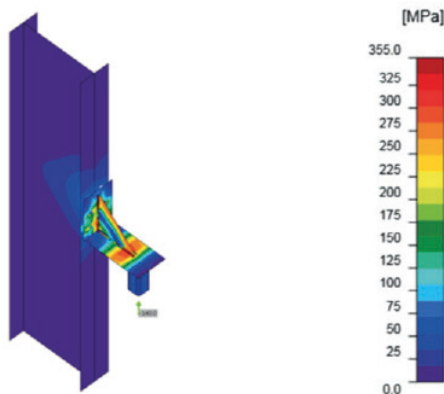
- Laser cutting
- Plasma cutting
- CNC cutting
- Milling
- Drilling
- Welding



Turnkey Steel Fabrication Projects

We can provide a full range of services to accompany our fabrication products, from supply only to turnkey project management, encompassing the complete project lifecycle.

This capability is illustrated by the projects we support, including supplying fabrications to the British Antarctic Survey (BAS), water industries, renewable power generation industries, nuclear, rail, processing, electrical, manufacturing, and materials handling sectors.



Design Calculations, FEA and Third-Party Verification

We can offer design and consultancy services for lifting structures and cranes. This includes full design calculations, finite element analysis and fatigue/stress analysis. This allows us to offer a single project manager for your entire project through the design and delivery cycle.

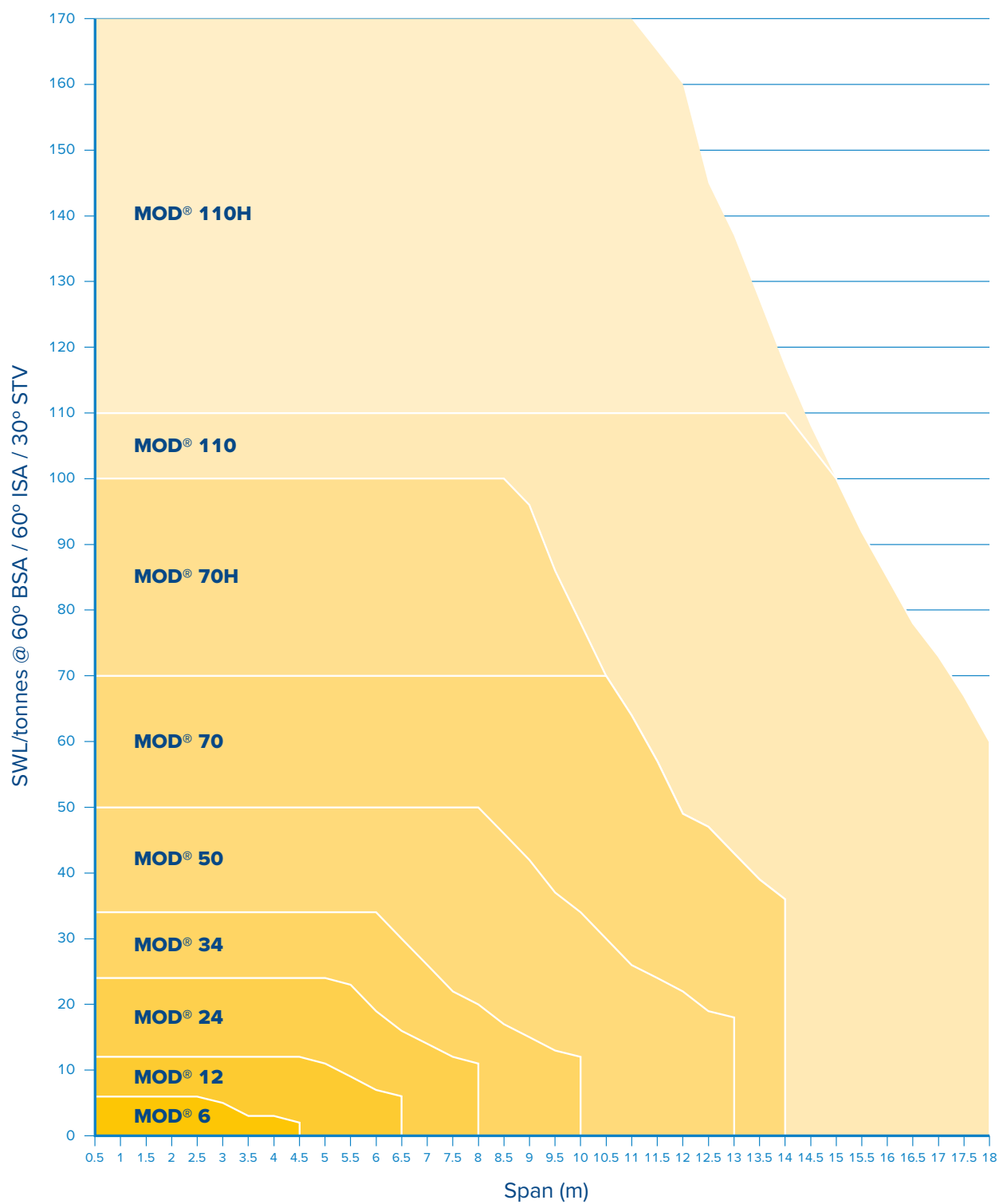
Standards, Safety and Traceability

Our CE marking demonstrates compliance with EU standards, ensuring we are well positioned to tackle structures of all types, whether for critical applications or standard, we can adapt our approach seamlessly to provide high quality fabrications to a rigorous specification.

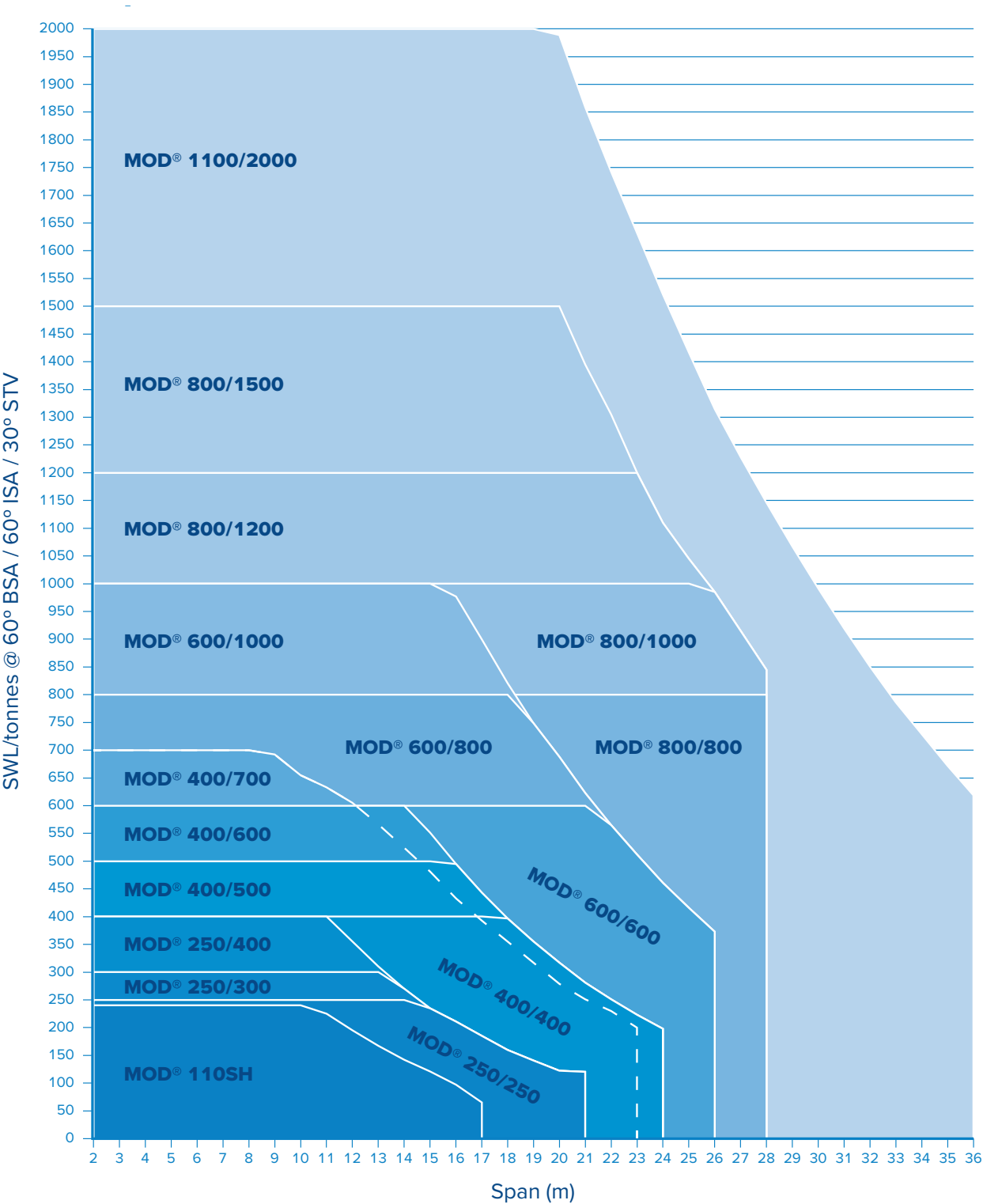
We provide full material and component traceability as standard with every fabrication, with the business tracking and tracing from initial sourcing through trusted suppliers, all the way through the various stages of production to the finished fabrication and final delivery to site. This provides all customers with a quality benchmark, and a proof of expertise regarding every fabricated product.

Spreader Beams

Load v Span Chart MOD® 6 to 110H



Load v Span Chart MOD® 110SH to 1100/2000



Each modular spreader beam series has been proof load tested in the compression test rig, and all products have been designed in accordance with the standards listed below:

UK & European Compliance

- BS EN 13155: 2003+A2:2009: Cranes – Safety – Non-fixed load lifting attachments
- DNV Standard for Certification No. 2.22 Lifting Appliances 2011 & DNVGL-ST-0378
- MOD 6 up to MOD 800/1500 Type Approved by DNV
- LOLER: 1998 (Lifting Operations and Lifting Equipment Regulations)
- PUWER: 1998 (Provision and Use of Work Equipment Regulations)
- EC Machinery Directive 2006/42/EC
- BS EN 1993-1: 2005: Eurocode 3

Load Monitoring Spreader Beam

The innovative load cell provides wireless real-time data by measuring the load at either end of the spreader beam, ideal for both weighing and dynamic load monitoring. Data is transmitted wirelessly to a USB transceiver that is then connected to a computer/tablet with a spare USB port.

The integrated load cell, which replaces the standard drop link component, offers significant time, cost and weight advantages. Existing valued customers can purchase the drop link separately and benefit from measurement technology that doesn't have to be sourced as an additional rigging tool. Another standout feature is that the height of rigging is significantly reduced, especially beneficial in low headroom applications. This is available in a range of capacities up to 100t.

System benefits:

- Reduce your rigging and the weight
- Simplified integrated load equalisation capability
- No more overloading shackles and slings
- Compatible with existing spreader beams
- Saving time and money on rigging



Product Number	Capacity te	Resolution te	Weight kg
AL12	6	0.001	3
AL24	12	0.002	6.1
AL34	17	0.005	8.3
AL50	25	0.005	10
AL70	35	0.005	14.4
AL70H	50	0.01	29

- Safety factor: 500%
- Battery type: 4 x AA
- Battery life: 1200 hours continuous
- Operating temp: -10 to 50°C
- Accuracy: +/- 0.3% of applied load
- Frequency: 2.4Ghz
- Range: 700m
- Protection: IP67
- Data rate: 3Hz - up to 200Hz can be ordered for dynamic load monitoring applications



Electric Chain Hoists & Power Trolleys

ATHLO Electric Chain Hoist

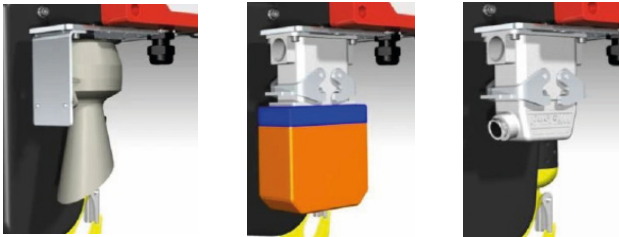
The SWF ATHLO chain hoist series is designed with a capacity of 125 kg to 2,500 kg. The ATHLO chain hoist combines high security, performance and usability with easy maintenance and a long service life. The modern design features a newly constructed interior and all-new mechanical components, resulting in a chain hoist that is easy to use and delivers top performance in extreme conditions.

The hoist fulfils the requirements of the following standards: Machine directive EC, ASME HST-1, ASME B30.16, and EN 14492/2.

- It is in conformity with the relevant provisions of the Machinery Directive 2006/42/EC and EMC Directive 2004/108/EC
- It has ASME duty rating up to H4 (ISO M4 – M6), depending on hoist type and hoisting speed¹
- It is external sound level tested
- It is RoHS compliant

¹ for 60 Hz motors.

Product Options



Adapter plate for add-on options:

Fixing points at the bottom of the hoist, combined with a cable inlet, allows standard and special options to be easily added to the hoist.

Mounting plate available on request.

Chain Hoist Weights

Frame Size	Falls	Chain hoist weight [kg] ¹⁾	
		Chain hoist ^{2) 3)}	Chain [kg/m]
AA	1/1	24.2	0.38
AA	1/2	25.3	0.38
AB	1/1	33.9	0.62
AB	1/2	20.8	0.62
AC	1/1	61.6	1.20
AC	1/2	60.2	1.20

¹⁾ The weight values are valid for the standard configuration of the chain hoist.

²⁾ For the chain hoist frame sizes 02–10, the 1-fall hoist weight includes the counterweight.

³⁾ The weights are calculated for the standard lifting height (HOL) of 3 m (9.8 ft).



Sound Pressure Level

For the size AA–AC electrical chain hoists, the maximum noise level (of the chain hoist) does not exceed 70 dB at 1 m (3.3 ft) height.

- The hoist motor with its new 4:1 ratio and redesigned cooling fins provides a better cooling in order to extend the service life of the hoist.
- All components are easily accessible, and no special tools are necessary to exchange components and install spare parts.
- The compact design and new upper-eye hook suspension produce an increased lifting height at the same suspension height.
- The new brake is designed to handle 1 million cycles or up to a lifetime of cycles with the proper handling.
- Low noise emissions, sensitive handling of the load with frequency inverter.



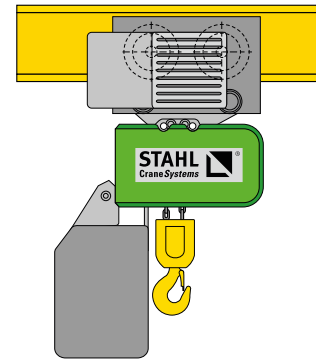
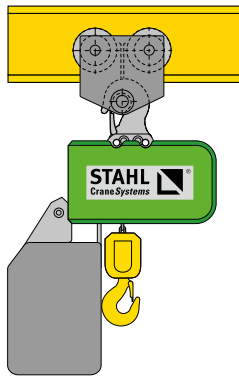
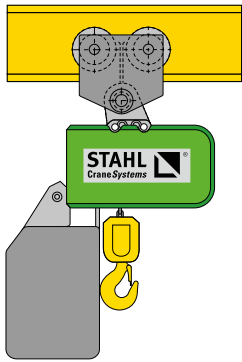
Load (kg)	Frame Size	Duty Group ISO	Motor Type	Lifting Speed [m/min]			
				50Hz		60Hz	
				HS	LS	HS	LS
63	AA	M6	MT06NB104	8	2	9.6	2.4
	AA	M6	MT06NB104	12	3	14.4	3.6
	AA	M6	MT06NB104	16	4	19.2	4.8
125	AA	M6	MT06NB100	6	-	7.2	-
	AA	M6	MT06NB104	8	2	9.6	2.4
	AA	M6	MT06NB104	12	3	14.4	3.6
160	AA	M5	MT06NB104	16	4	19.2	4.8
	AA	M6	MT06NB104	8	2	9.6	2.4
	AA	M6	MT06NB104	12	3	14.4	3.6
250	AB	M5	MT06NB104	16	4	19.2	4.8
	AA	M5	MT06NB100	6	-	7.2	-
	AA	M5	MT06NB104	8	2	9.6	2.4
320	AB	M4	MT08NB104	12	3	14.4	3.6
	AB	M6	MT08NB104	4	1	4.8	1.2
	AB	M6	MT08NB104	8	2	9.6	2.4
500	AB	M5	MT08NB104	16	4	19.2	4.8
	AB	M5	MT08NB104	4	1	9.6	2.4
	AA	M5	MT06NB104	4	-	4.8	1.2
630	AB	M5	MT08NB200	4	1	4.8	-
	AB	M5	MT08NB104	8	2	4.8	1.2
	AB	M5	MT08NB104	4	1	9.6	2.4
1000	AC	M6	MT10NA104	8	2	4.8	1.2
	AC	M6	MT10NA104	16	4	9.6	2.4
	AC	M5	MT10NA104	4	1	19.2	4.8
1250	AB	M5	MT08NB104	4	1	4.8	1.2
	AC	M4	MT10NA104	16	4	19.2	4.8
	AB	M5	MT08NB200	2	-	2.4	-
1600	AB	M5	MT08NB104	4	1	4.8	1.2
	AC	M5	MT10NB200	4	-	4.8	-
	AC	M5	MT10NA104	4	1	4.8	1.2
2000	AC	M5	MT10NA104	8	2	9.6	2.4
	AC	M4	MT10NA104	4	1	4.8	1.2
	AC	M4	MT10NA104	8	2	9.6	2.4
2500	AC	M5	MT10NA104	4	1	4.8	1.2
	AC	M5	MT10NB200	2	-	2.4	-
	AC	M5	MT10NA104	4	1	4.8	1.2

ST Chain Hoist

The ST chain hoist ranks among the most distinctive and comprehensive on offer worldwide. It is strong, reliable and modest when it comes to energy consumption, leading to reduced maintenance requirements.. The modular system enables innumerable combinations of subassemblies for customised solutions. With six variants available, the ST chain hoist covers the lifting capacity range from 125 kg to 6,300 kg. The portfolio is supplemented by special models such as the STK extra short headroom trolley and the STD dual chain hoist for long material and lifting beams.

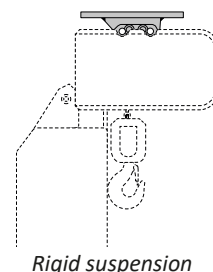
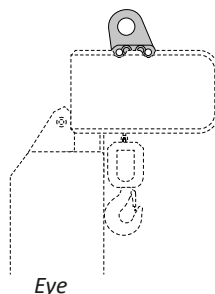
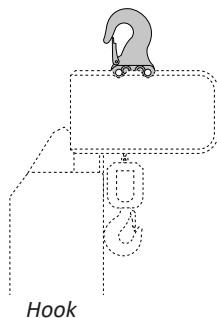
The chain hoists are also available in explosion-proof designs for Zone 1, Zone 21 and Zone 22

- Extensive chain hoist range for lifting capacities from 125 kg to 6,300 kg.
- Suspension directly from the chain guide of solid cast iron.
- Easy inspection and maintenance of the chain drive thanks to the overmounted drive shaft.
- Extremely short and compact construction ensures that space can be utilised to the maximum.
- High standard classification in accordance with BS EN ISO 12100:2010.
- Modern Kanban production, available fast.
- Available as an option in explosion protected design complying with ATEX and IECEx.



Push Trolley

In the standard version, the ST 05 and ST 10 1/1 chain hoists are suspended by eye or hook from the smooth-running push trolleys. A rigid connection with the chain hoist is possible on request. This rigid connection is standard in the ST 20 to ST 60 chain hoists. The push trolley does not affect the low headroom of the hoist. Optional wheel arresters are available for high height of lifts to maximise stability.



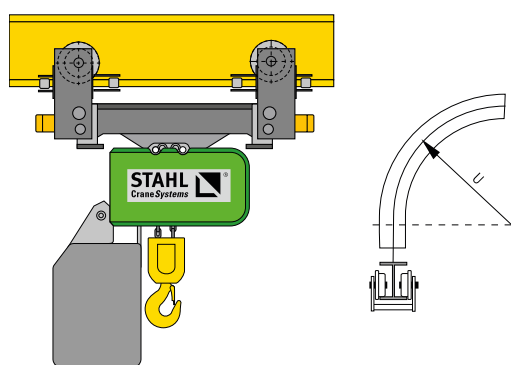
Standard Headroom Electric Trolley

Not one millimetre is given away in the design in order to enable large hook paths even at standard headroom.

Suspension for Stationary Version

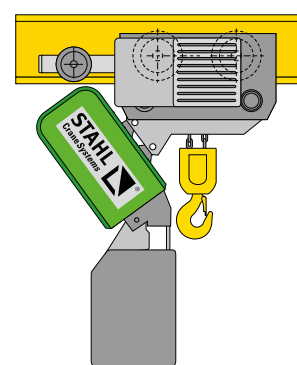
The ST chain hoist comes with hook suspension, but eye or rigid suspension options are also available. Eye suspension is ideal when the hoist is only occasionally relocated, offering low headroom that enables long hook paths even in rooms with low ceilings. For permanent installations, such as in systems manufacturing, we recommend rigid suspension. This option also benefits from minimal headroom and eliminates hoist movement by preventing swinging on the trolley.

Product Number	Load Capacity kg	ISO	m/min	Motor Data			Add On Product Number			
				kW	%ED	c/h	Chain Hoist c/w Hook Suspension	Chain Hoist c/w Push Trolley	Chain Hoist c/w Electric trolley	
									20	20/5
ST 0501-8/2 1/1	125	M6	8/2	0.2/0.05	35/15	240/480	HS	PT	ET 20	ET 20/5
ST 0502-8/2 1/1	250	M4	8/2	0.4/0.1	35/15	120/240	HS	PT	ET 20	ET 20/5
ST 0502-8/2 2/1	500	M4	4/1	0.4/0.1	35/15	120/240	HS	PT	ET 20	ET 20/5
ST 1005-8/2 1/1	500	M4	8/2	0.8/0.2	40/20	120/240	HS	PT	ET 20	ET 20/5
ST 1005-12/3 1/1	500	M4	12/3	1.2/0.3	40/20	120/240	HS	PT	ET 20	ET 20/5
ST 1005-8/2 2/1	1000	M4	4/1	0.8/0.2	40/20	120/240	HS	PT	ET 20	ET 20/5
ST 1005-12/3 2/1	1000	M4	6/1.5	1.2/0.3	40/20	120/240	HS	PT	ET 20	ET 20/5
ST 2010-8/2 1/1	1000	M4	8/2	1.5/0.37	40/20	120/240	HS	PT	ET 20	ET 20/5
ST 2010-12/3 1/1	1000	M4	12/3	2.3/0.57	40/20	120/240	HS	PT	ET 20	ET 20/5
ST 3016-8/2 1/1	1600	M3	8/2	2.3/0.57	40/20	120/240	HS	PT	ET 20	ET 20/5
ST 3216-8/2 1/1	1600	M5	8/2	2.4/0.6	40/20	120/240	HS	PT	ET 20	ET 20/5
ST 3216-12/3 1/1	1600	M4	12/3	3.8/0.9	33/17	100/200	HS	PT	ET 20	ET 20/5
ST 2010-8/2 2/1	2000	M4	4/1	1.5/0.37	40/20	120/240	HS	PT	ET 20	ET 20/5
ST 2010-12/3 2/1	2000	M4	6/1.5	2.3/0.57	40/20	120/240	HS	PT	ET 20	ET 20/5
ST 5025-6/1 1/1	2500	M4	6.3/1.5	3.0/0.76	40/20	120/240	HS	PT	ET 20	ET 20/5
ST 5025-8/2 1/1	2500	M4	8/2	3.8/0.9	33/17	100/200	HS	PT	ET 20	ET 20/5
ST 3016-8/2 2/1	3200	M3	4/1	2.3/0.57	40/20	120/240	HS	PT	ET 20	ET 20/5
ST 3016-8/2 2/1	3200	M5	4/1	2.4/0.6	40/20	120/240	HS	PT	ET 20	ET 20/5
ST 3216-12/3 2/1	3200	M4	6/1.5	3.8/0.9	33/17	100/200	HS	PT	ET 20	ET 20/5
ST 5025-6/1 2/1	5000	M4	3.2/0.75	3.0/0.76	40/20	120/240	HS	PT	ET 20	ET 20/5
ST 5025-8/2 2/1	5000	M4	4/1	3.8/0.9	33/17	100/200	HS	PT	ET 20	ET 20/5



Articulated Trolley

An optional articulated trolley is available for frequent travel around bends and narrow radii. Depending on the radius of bend, runway flange width or application it is equipped with one or two travel motors. The lateral guide rollers cause minimum wear. The articulated trolley is designed for load capacities up to 6,300 kg

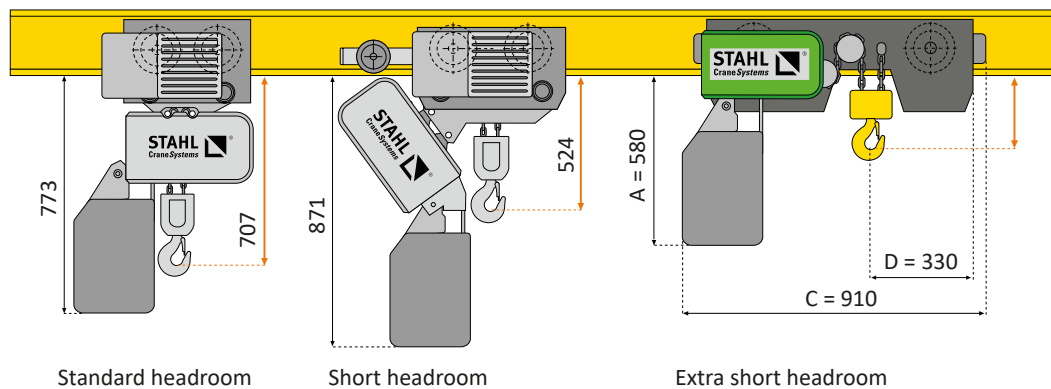


Short Headroom Electric Trolley

The smooth-running electric trolley can also be combined with the ST short headroom chain hoist (see next page), reducing the headroom by a further 33%.

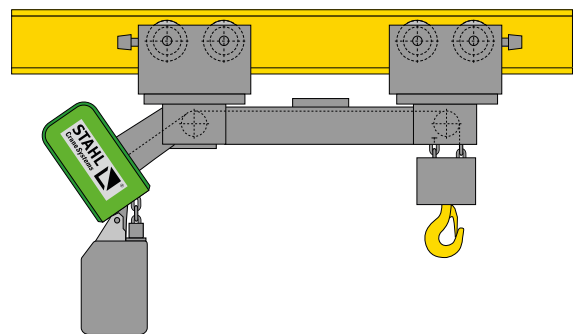
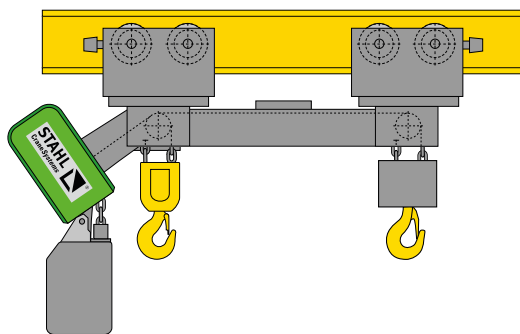
ST Chain Hoist

Models also available:



STK Short and Extra Short Headroom Trolley

The construction of the short headroom trolley itself saves a tremendous amount of space. The body of the chain hoist is mounted at an angle, meaning that no return sheave is required. This reduces the headroom by 33%. The extra short headroom trolley with its headroom reduced by 60%, by contrast, achieves maximum hook paths, which is particularly beneficial in extremely low-ceilinged rooms. The extremely short distance from the underside of the beam to the bed of the hook is just 210 mm at a load capacity of 5,000kg and even just 185mm at a load capacity of 3,200kg.

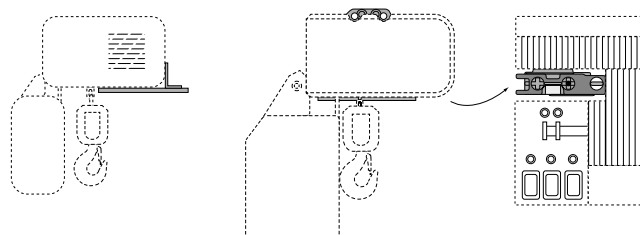


The STD Dual Chain Hoist

The STD dual chain hoist is ideal for long material and lifting beams that need to be picked up at two points. It is equipped with two load chains, which are moved synchronously by a hoist motor. There are various versions of the STD dual chain hoist available for different requirements and space situations.

STB Big Bag Design

The Big Bag version is designed for load capacities up to 3,200kg. Its special feature is the free choice of the distance between the chain hoist and load hook which makes lifting bulky loads or Big Bags up to the top hook position possible without hindering edges such as trolley, chain hoist or chain box.



Foot Mounting For Stationary Version

In order to utilise space optimally in low-ceilinged rooms the ST chain hoist can be bolted from below onto a foot mounting.

Portable Mini Electric Chain Hoist

Ideal for light industrial use, the Duke 500kg electric chain hoist has a duty cycle of 30%. The frame and control enclosure provide protection against dust and water ingress, although a weather protection jacket is also available for extra protection.

- 110 volt 50Hz single phase hoist
- 500kg WLL
- Available with lift height 3m - 30m Speed: 5 metres per minute
- Closed headroom = when the hook is fully up 480mm
- Heavy duty design and build
- Duty cycle 30% (20 minutes maximum continued operation in a 1 hour period)
- Rating IP54
- Power supply cable length 5m



Product Number	Capacity kg	L mm	W mm	H mm	Phase	Lift m	Chain Falls	Speed m/min		Motor kw	Load Chain mm	NW kg	GW kg
								50Hz	60Hz				
DU825-110V	250	420	160	480	1	3	1	10	12	1.3	6.3	16	20
DU825-240V	250	420	160	480	1	3	1	10	12	1.3	6.3	16	20
DU901-110V	500	420	160	480	1	3	1	5	6	1.3	6.3	19	23
DU901-240V	500	420	160	480	1	3	1	5	6	1.3	6.3	19	23
DU902-110V	1000	420	160	480	1	3	2	2.5	3	1.3	6.3	23	27
DU902-240V	1000	420	160	480	1	3	2	2.5	3	1.3	6.3	23	27

Portable Gantries

Porta Gantry

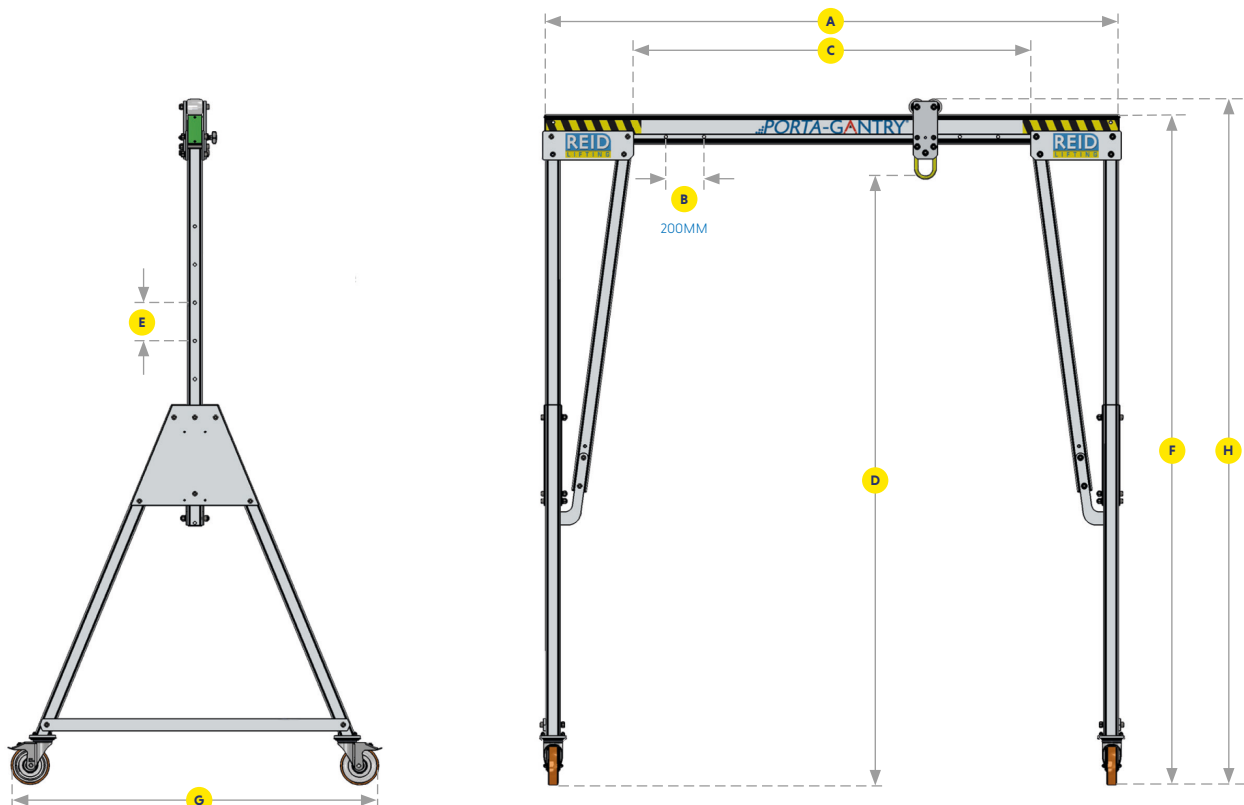
Unique portable gantry system that can safely lift up to 5000kg, with manual assembly on just 4 bolts.

Innovative, lightweight, portable, safe and very strong, the Porta Gantry lifting system is the number one choice for organisations seeking safe, multiple location lifting solutions and a healthy return on investment. Its unique capabilities have proven to satisfy finance, operations, health & safety as well as users.

- WLL from 500kg up to 5000kg (depending on model)
- Maximum combined personnel lifting capacity up to 2000kg (depending on model)
- 3-5 person fall arrest (500 & 1000 - 3 persons, 2000, 3000 & 5000 - 5 persons). In conformity with PD CEN/TS16415:2013
- EN 795:2012 certified - as part of an EN 363 compliant system and in conformity with ANSI Z359.18-17 and AS/NZS 5532:2013
- Conforms to IRATA International Code of Practice for industrial rope access
- All models are suitable for use in ATEX Zone 2 explosive atmospheres. ATEX Zone 1 is available as an upgrade
- Lightweight and portable, with easy on-site assembly within manual handling guidelines:
 - 4 portable parts assembled on just 4 bolts
 - Simple 'scissoring' assembly in just 2-5 minutes
- Variety of standard configurations available, plus customisation for specific requirements and interchangeable components (subject to WLL rating)



- Ergonomic
 - 360° swivel-locking castors as standard
 - Simple, manual height and span adjustment
 - Ultra-safe captive trolley
 - Ergonomic design of profiles, handles, etc.
- Bolted structure, lateral beam and leg bracing features
- Optional extras:
 - Universal wind-up jack legs
 - Lobed cheek-plates (inboard scissoring)
 - Jointed beams
 - Gates trolley (available on most options)
 - Rope controlled trolley



WLL kg	Frame Size mm	D max	E	D min	F	H max	H min	G	A-Frame Weight kg approx.	Trolley Roller Size mm	Castor Diam. mm
		Max. Height To Lifting Eye mm	Height Increment mm	Min. Height To Lifting Eye mm	Max. Height To Top Of Beam mm	Max. Height To Top Of Roller mm	Min. Height To Top Of Roller mm	Width mm			
500/1000	S	2355	5 x 150	1605	2675	2757	2007	1212	29	82	150
500/1000	M	2851	5 x 150	2101	3171	3253	2503	1429	37	82	150
500/1000	I	3188	5 x 200	2188	3499	3581	2581	1726	45	82	200
500/1000	T	4079	6 x 200	2879	4399	4481	3281	2011	50	82	200
500/1000	TC4	4527	6 x 200	3327	4847	5930	3730	2234	77	82	200
500/1000	TC3	5027	6 x 200	3827	5347	5430	4230	2557	82	82	200
500/1000	TC2	5527	8 x 200	3927	5848	5930	4330	2733	87	82	200
500/1000	TC1	5829	9 x 200	4029	6149	6231	4431	2733	90	82	200
2000	S	2355	5 x 150	1605	2675	2757	2007	1212	32	82	150
2000	M	2851	5 x 150	2101	3171	3253	2503	1429	37	82	150
2000	I	3188	5 x 200	2188	3499	3581	2581	1726	45	82	200
2000	T	4079	6 x 200	2879	4399	4481	3281	2011	50	82	200
2000	TC4	4527	6 x 200	3327	4847	4930	3730	2234	77	82	200
2000	TC3	5027	6 x 200	3827	5347	5430	4230	2557	82	82	200
2000	TC2	5527	8 x 200	3927	5848	5930	4330	2733	87	82	200
2000	TC1	5829	9 x 200	4029	6149	6231	4431	2733	90	82	200
3000	S	2410	5 x 150	1660	2730	2812	2062	1212	48	82	200
3000	M	2906	5 x 150	2156	3226	3308	2558	1429	53	82	200
3000	I	3188	5 x 200	2188	3499	3581	2581	1726	66	82	200
3000	T	4079	6 x 200	2879	4399	4481	3281	2011	72	82	200
3000	TC4	4527	6 x 200	3327	4847	4930	3730	2234	77	82	200
3000	TC3	5027	6 x 200	3827	5347	5430	4230	2557	82	82	200
3000	TC2	5527	8 x 200	3927	5849	5930	4330	2733	87	82	200
5000	I	3181	5 x 200	2191	3592	3717	2717	1736	88	125	200
5000	T	4049	6 x 200	2849	4487	4612	3412	2021	99	125	200
5000	TC4	4500	6 x 200	3300	4938	5062	3862	2234	90	125	200
5000	TC3	5000	6 x 200	3800	5438	5562	4362	2557	95	125	200

S & M versions also available as custom systems

WLL 5000kg dimension systems are shown using the deeper 'D' section beam

Dimensions use standard Master Link Trolley, other options available to increase resulting height of lift (HOL) and to assist with load movement.

*Weight includes stabiliser legs

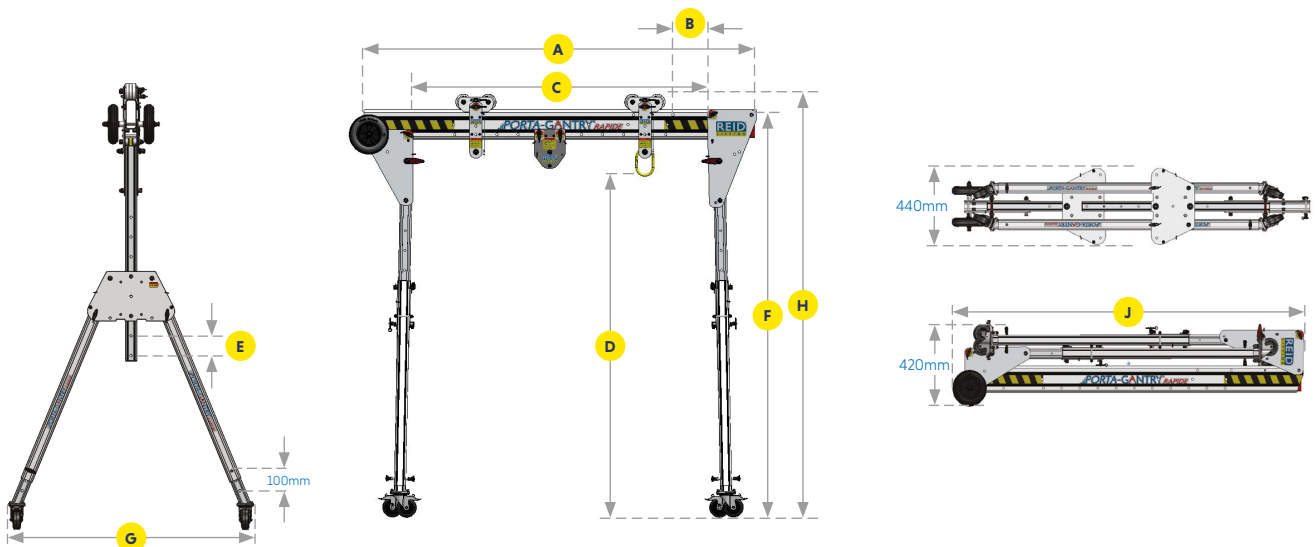
Key:

- S: Small
- M: Medium
- I: Intermediate
- T: Tall

Porta Gantry Rapide

A unique, ultra-light and rapidly deployable gantry that provides a versatile lifting solution for goods and personnel. The Porta Gantry Rapide is a patented gantry that can be assembled in under 60 seconds for both goods and personnel lifting (man-ride) applications.

- WLL up to 1000kg
- Personnel WLL up to 500kg positioning depending on model, 150kg fall arrest
- Height adjustment range 500 to 900mm (see table)
- Three person fall arrest In conformity with PD CEN/TS16415:2013
One person fall arrest EN 795:2012 certified - as part of an EN 363 compliant system and in conformity with ANSI Z359.18-17* and AS/NZS 5532:2013
- Rope access conforms to IRATA International Code of Practice for industrial rope access
- All models are suitable for use in ATEX Zone 2 explosive atmospheres. ATEX Zone 1 is available as an upgrade PGR 500 only
- Lightweight and portable. Within manual handling guidelines, weighing from only 33kg for PGR500 and 42kg for PGR1000
- Range of beam lengths up to 4m and configurations available
- Rapid deployment of gated trolley - mounted in seconds
- Height adjustable legs - 2 x 50mm adjustment/on each leg with castors or levelling foot options
- Sheave carrier and trolley lock off holes across the full length of the beam



Product Number	Dimensions <i>mm</i>													WLL			Unit Weight <i>kg</i>
	A Beam Length	B	C <i>Min.</i>	C <i>Max.</i>	D <i>Min.</i>	D <i>Max.</i>	E	F <i>Min.</i>	F <i>Max.</i>	G	H <i>Min.</i>	H <i>Max.</i>	J	Goods Capacity <i>kg</i>	Fall Arrest Capacity* No. of Persons	Personnel Positioning* <i>kg</i>	
PGRS20	2000	2 x 200	1100	1500									2080	500	3	250	37
PGRS23	2300	3 x 200	1200	1800	1445	2045	6 x 100	1776	2376	1158	1856	2456	2380	400	2	200	38
PGRS40	4000	3 x 200	2900	3500									4080	250	1	125	43
PGRM20	2000	2 x 200	1100	1500	1449	2149	7 x 100	1780	2480	1215	1860	2560	2080	400	2	200	38
PGRM23	2300	3 x 200	1200	1800									2380	400	2	200	38
PGRM40	4000	3 x 200	2900	3500									4080	250	1	125	44
PGRT20	2000	2 x 200	1100	1500									2645	250	1	125	42
PGRT23	2300	3 x 200	1200	1800	1923	2923	10 x 100	2254	3254	1586	2334	3334	2380	250	1	125	43
PGRT40	4000	3 x 200	2700	3500									4080	250	1	125	48
PGR1TS20	2000	2 x 200	1102	1502	1496	1996	5 x 100	1822	1822	1270	1904	2404	2077	1000	3	500	52
PGR1TS30	3000	3 x 200	1902	2502									3077	1000	3	500	57
PGR1TS40	4000	3 x 200	2902	3502									4077	1000	3	500	61
PGR1TM20	2000	2 x 200	1102	1502									2200	1000	3	500	56
PGR1TM30	3000	3 x 200	1902	2502	1735	2435	7 x 100	2061	2061	1484	2143	2843	3077	1000	3	500	60
PGR1TM40	4000	3 x 200	2902	3502									4077	1000	3	500	65
PGR1TT20	2000	2 x 200	1102	1065	1975	2875	9 x 100	2301	3201	1689	2383	3283	2830	1000	3	500	60
PGR1TT30	3000	3 x 200	1902	2065									3077	1000	3	500	64
PGR1TT40	4000	3 x 200	2902	3065									4077	1000	3	500	69

*Ratings using European standards.

Easylift System

The Easylift system is a 500kg WLL portable lightweight aluminium gantry complete with two trolleys, each dual-rated for load and man-riding as well as two fall arrest anchor points. Designed to lift a pump from a sump in a safe manner and allow the operative to simply slide it to one side for safe inspection, the beam is positioned upon a two leg and a three leg arrangement.

Each leg is telescopically adjustable in 50mm increments, to a maximum height of 2160mm. The footprint of the 3 legged section is 1300mm square at minimum leg extension and 1700mm square at maximum leg extension.

Rated to 500kg WLL for load lifting, the Easylift system is also suitable for two person fall arrest. Alternatively, the system is suitable for single person man-ride/work positioning.



Product Type	WLL kg	Max. Foot Print mm	Min. Beam Height mm	Max. Beam Height mm	No. of Persons Fall Arrest
Beam Length 1600mm	500	1830(W) x 2845(L)	1475	2160	2
Beam Length 2200mm	500	1830(W) x 3445(L)	1475	2160	1
Beam Length 2700mm	500	1830(W) x 3945(L)	1475	2160	1
Beam Length 2900mm	200	1830(W) x 4145(L)	1475	2160	0
Tripod Only	500	1700 x 1700	1475	2160	1

Jibs & Davits

Porta-Davit Quantum

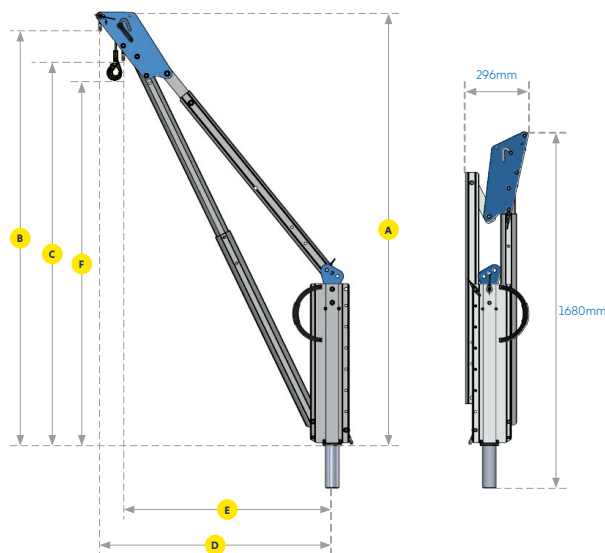
Strong yet ultra-light system with integrated carry handle, capable of lifting up to 600kg. With a weight of just 18.5kg, the Porta-Davit Quantum is easily transported using the integrated carry-handle, making it suitable for a wide range of applications.

- Porta Davit Quantum 1 - WLL 600kg up to 1200mm radius.
Porta Davit Quantum 2 - WLL 500kg up to 1500mm radius.
- Personnel WLL up to 300kg PDQ1, 250kg PDQ2 positioning at all configurations and 150kg fall arrest.
- Fall arrest EN 795:2012* certified - as part of an EN 363 compliant system. In conformity with AS/NZS 5532:2013*.
- Conforms to IRATA International Code of Practice for industrial rope access*.
- ATEX All models suitable for use in ATEX Zone 2 explosive atmospheres. ATEX Zone 1 is available as an upgrade.
- Manual handling compliant - fully assembled weight from just 18.5kg. Integrated carry handle and bagged for easy transportation and storage.
- No tools needed, assembles on just 1 pin (2 for winched).

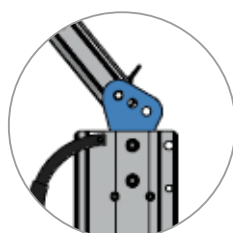
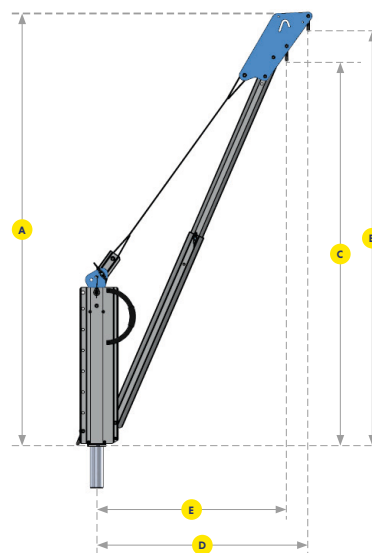


- Radius adjustment: 900mm-1200mm or 1200mm-1500mm as standard.
- 360° rotation under full load with fingertip control
* Applies to PDQ1 types only.
- Clean anodised finish to increase corrosion resistance and clean room applications.
- Mates with all 65mm Reid sockets (or sleeves for existing sockets) Also suitable for use with socket extensions.

Winched [W]



Strop [S]



Three radius adjustment points for 100mm radius adjustment increments

Product Number	WLL kg	Radius Adjustment Points	Dimensions mm				
			A	B	C	D	E
PDQ1	600	1	2007	1935	1799	1200	1100
PDQ1	600	2	2061	1989	1848	1100	1000
PDQ1	600	3	2111	2039	1892	1000	900
PDQ2	500	1	1837	1766	1647	1500	1400
PDQ2	500	2	1899	1827	1703	1400	1300
PDQ2	500	3	1957	1885	1755	1300	1200

Porta Davit 500

With a safe lifting capacity of up to 500kg, made of lightweight aluminium and weighing just 24kg (fully assembled), the Porta Davit system is literally a one person 'pick up and go' lifting solution. Manufactured using Reid Lifting's innovative design, the Porta Davit bagged system can be easily transported by hand to any site that a single person can access.

The Porta Davit is available in several variations, including standard strop and winched versions, extended radius (e.g. WLL 350kg at 1500mm radius) and complete with a portable socket base (the Porta Base), removing the need for a fixed socket installation.

- Goods WLL up to 500kg.
- Personnel WLL up to 250kg positioning, max. 150kg fall arrest.
- EN 795:2012 certified - as part of an EN 363 compliant system.
- ATEX All models suitable for use in ATEX Zone 2 explosive atmospheres. ATEX Zone 1 is available as an upgrade.
- Standard unit just 24kg fully assembled. Simple assembly within manual handling guidelines, 2 piece design with no tools needed. Easy to store and transport in heavy duty bag.
- Radius adjustment 800-1200mm* as standard.
- 360° rotation under full load with fingertip control.
- Corrosion resistant - clean, powder-coated finish.
- Mates with all 65mm REID sockets (or sleeves for existing sockets) - includes Reid's unique portable socket, the Porta Base. Also suitable for use with socket extensions.



Man-rated options

The Porta Davit is available in three forms rated for different personnel applications:

Fall Protection

Standard strop davit with a fall arrest unit fitted to a shackle.

Lower & Raise

Winched davit with a man rated winch to lower and raise personnel and separate fall arrest unit with or without integral retrieval winch.

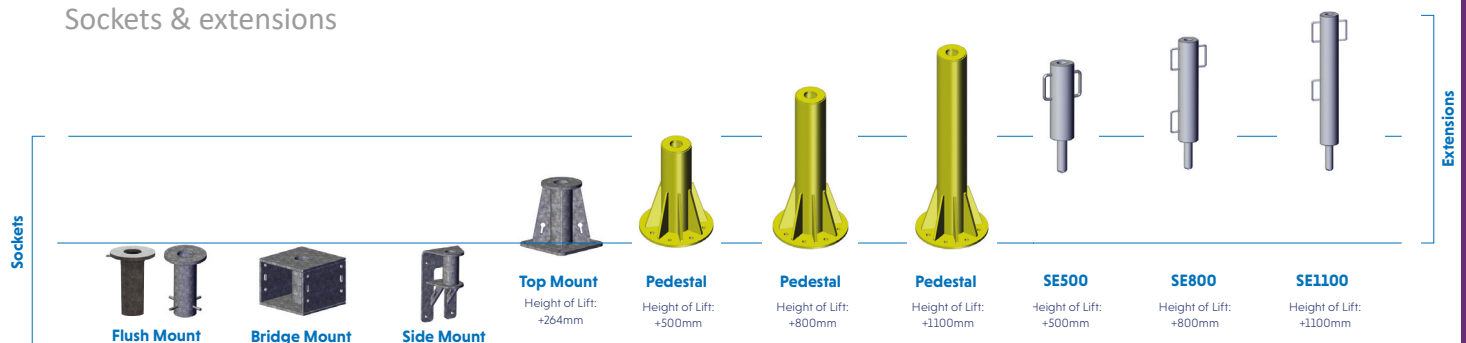
Ladder or Climbing

Winched davit with a fall arrest unit with integral retrieval winch where personnel moves on a ladder or climbing.

The Porta Davit system (using Reid mounting sockets) is approved to EN 795:2012, as part of an EN 363 compliant system. It is recommended that the Porta Davit unit has a dedicated man-ride rating only and is set at the minimum possible operating radius; however, it is possible to have the davit dual rated at 120kg for man ride and 500kg goods lifting.

When used for man-ride applications the Porta Davit unit must be dedicated to the man-ride application only and there should be no goods load attached to the davit. Suitably rated chain blocks, winches and man-ride options and accessories are all available from WH Scott.

Sockets & extensions



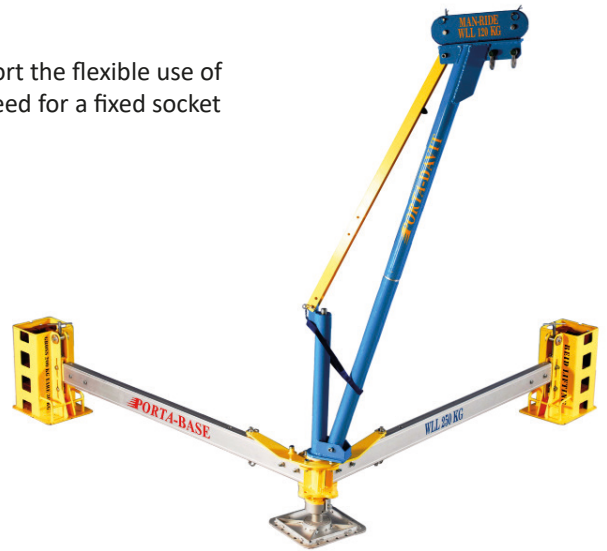
The Porta Davit 500 has been designed to fit all existing and new Reid Lifting sockets and socket extensions.

Porta-Base

A truly innovative extension to the REID socket family to further support the flexible use of the Porta Davit 500 range. The most convenient socket without any need for a fixed socket installation.

- Goods WLL up to 500kg at a max. 1000mm radius.
- Personnel WLL up to 120kg.
- Packed in heavy duty protective bags for easy transportation and storage.
- Adjustable feet for uneven surfaces with spirit level fitted to each leg.
- For use with 65mm socket diameter.
- Suitable for clean environments.

Porta Base is currently not suitable for use with socket extensions, Porta Davit Quantums or T-Davits.



Porta-Davit 1000

The Porta Davit 1000 further extends the Porta Davit family of jib cranes with up to WLL 1000kg lifting capability for goods, bringing additional safety margins for situations where safety is paramount, such as wastewater treatment applications.

- Goods WLL up to 1000kg at 900-1200mm radius.
- Personnel WLL up to 300kg positioning at all configurations, 150kg max fall arrest.
- Two person fall arrest in conformity with PD CEN/TS16415:2013.
- One person fall arrest EN 795:2012 certified - as part of an EN 363 compliant system. In conformity with AS/NZS 5532:2013 and ANSI Z359.18-17.
- Conforms to IRATA International Code of Practice for industrial rope access.
- Height of lift: 2000mm to shackles on standard unit.
- Unique profiles maximising strength vs. weight.
- Stored in a heavy duty bag for easy transportation - combined weight of only 39kg.
- Single person assembly - no tools required.
- Bearing system allows easy rotation - Rotation bar supplied as an option.

Custom versions to meet specific requirements can be quoted upon request.

NB: 95mm sockets are required for this product.



Sockets & Extensions

The Porta Davit 1000 structure needs to be anchored to a surface/foundation capable of withstanding the applicable loading. The davit can be supplied with one of the mounts specified below (only mounts supplied by Reid Lifting are approved to be used with the Porta Davit 1000):

Flush Mount (65 & 95mm):

- Complete with cover and re-bars, for casting into concrete.
- Complete with cover for resin bonding into existing concrete.



Top Mount (65 & 95mm)

- Suitable for bolting into existing concrete or steel structures, complete with cover – for simplicity or to provide additional davit height and reach.



Side Mount (65 & 95mm)

- Suitable for mounting on the side of concrete or steel structures. A brace plate can be supplied for thin-walled concrete.



T-Davit Winched & Shackled

An extensive range of davits offering up to WLL 500kg with 360° rotation under finger tip control for those difficult locations, giving a wide range of standard height and radius options and available customisation.

Particularly suited to situations with physical constraints (headroom, handrails, pipework etc.) with a wide range of configurations available. Designed to comply with manual handling regulations and to avoid assembling the davit at height.

NB: **Winched** provides winch and shackle lifting
Shackled provides shackle lifting only

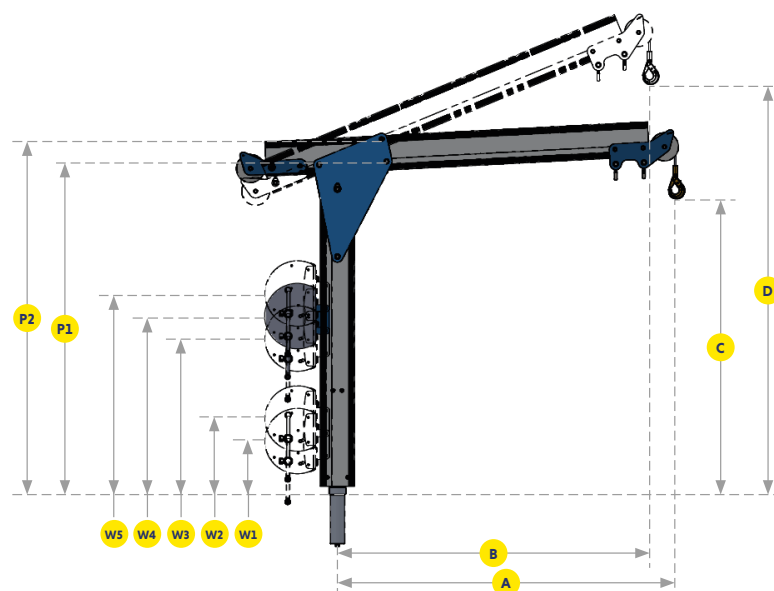
- WLL up to 500kg
- Personnel WLL configurations available up to 250kg positioning, 150kg fall arrest*
- 1 person fall arrest EN 795:2012* certified - as part of an EN 363 compliant system. In conformity with AS/NZS 5532:2013* and ANSI Z359.18-17**
- Conforms to IRATA International Code of Practice for industrial rope access*
- ATEX All models suitable for use in ATEX Zone 2 explosive atmospheres. ATEX Zone 1 is available as an upgrade
- Lightweight and portable
- Manual handling compliant
- Reduced maintenance costs
- Bagged for easy transportation and storage
- Assembly and operation by 1 person, no tools required - just 2 main components

* Applies to radius up to 1600mm

** Applies to radius up to 1000mm



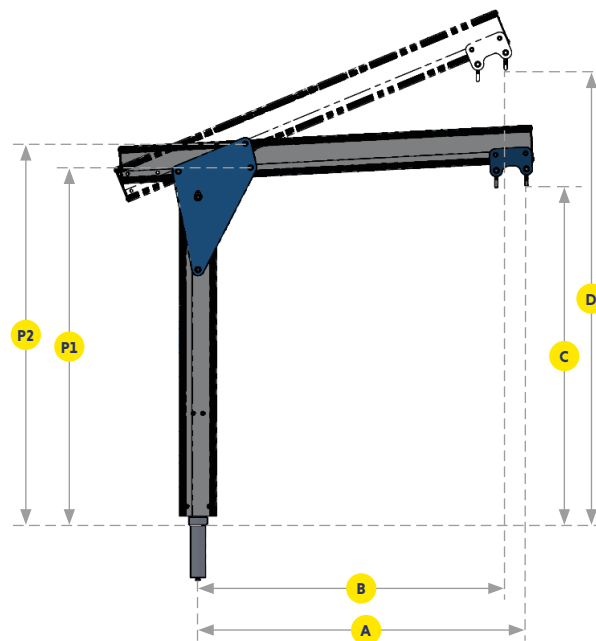
- Operational radius up to 3000mm - subject to WLL reduction (1600mm maximum for EN 795)
- 360° rotation under full load with fingertip control
- Clean anodised finish to increase wear resistance
- Mates with all 65mm Reid sockets (or sleeves for existing sockets)
- Also suitable for use with socket extensions
- Specifications:
 - 2 lifting positions as standard (A&B) - (see table on next page)
 - Twin shackles for index lifting and/or attachments for winching



Beam Options	Position	Radius mm	Load Rating 1 kg	Load Rating 2 kg
1	A	1000	500	500
	B	925		
2	A	1200	400	500
	B	1110		
3	A	1600	300	375
	B	1478		
4	A	2000	250	300
	B	1850		

Column Options	Height of Lift (HoL) mm								Weight kg	Winch Position		P1	P2
	A	B	A	B	A	B	A	B					
1	839	1151	839	1227	839	1380	839	1532	20	W1	190	982	1081
										W2	320		
2	1019	1331	1019	1407	1019	1560	1019	1712	21	W1	190	1162	1261
										W2	320		
										W3	625		
										W1	190		
3	1329	1641	1329	1717	1329	1870	1329	2022	23	W2	320	1472	1571
										W3	625		
										W4	755		
										W5	885		
4	1644	1956	1644	2032	1644	2185	1644	2337	25	W3	625	1787	1886
										W4	755		
										W5	885		
5	1954	2266	1954	2342	1954	2495	1954	2647	28	W5	885	2097	2196

T-Davit Shackled



Beam Options	Position	Radius mm	Load Rating 1 kg	Load Rating 2 kg
1	A	850	500	500
	B	775		
2	A	1050	400	500
	B	960		
3	A	1450	300	375
	B	1328		
4	A	1850	250	300
	B	1700		

Column Options	Height of Lift (HoL) mm								P1	P2
	A	B	A	B	A	B	A	B		
1	912	1224	912	1300	912	1453	912	1605	982	1081
2	1092	1404	1092	1480	1092	1633	1092	1785	1162	1261
3	1402	1714	1402	1790	1402	1943	1402	2095	1472	1571
4	1717	2029	1717	2105	1717	2258	1717	2410	1787	1886
5	2027	2339	2027	2415	2027	2568	2027	2720	2097	2196

Galvanised Lean Over Davit

The steel galvanised lean over davit is a three-piece design with a range of socket pin diameters, manufactured from mild steel and galvanised to BS EN 1461. This versatile, portable piece of equipment is available in a variety of specifications.

- Designed as a transportable device, the steel lean-over davit is often used in locations where it can be stored on site.
- Fitted with a castellated offset suspension point, allowing the chain block to be adjusted from the central point of lift.
- Alternative socket pin diameters can be manufactured as required to suit specific requirements.
- Subject to customer requirements, these davits can also be supplied in either stainless steel 304 or stainless steel 316.



Davit Type	WLL kg	Reach mm	Height To Suspension Point mm	Rotation degree	Pin Diameter mm	Optional Pin Diameter mm
Steel Lean Over	500	760	1960	360	65	63.5
Steel Lean Over	500	1000	1960	360	65	63.5
Steel Lean Over	500	1200	1960	360	65	63.5
Steel Lean Over	1000	1070	2010	360	75	-
Steel Lean Over Winch	500	760	1900	360	65	63.5
Steel Lean Over Winch	500	1000	1900	360	65	63.5
Steel Lean Over Winch	500	1200	1900	360	65	63.5
Steel Lean Over Winch	1000	1070	2250	360	75	-

Uni-Lift Aluminium Davit

A two piece design supplied with industry standard 65mm universal davit pin and manufactured in lightweight aluminium, the Uni-Lift 500 davit can be easily transported and erected by a single person. It has no heavy parts or awkward bolts; the two locking and adjustment points on the Uni-Lift 500 contain a sleeved hole for ease of use, allowing the fold-down locking pin to slide in easily.

Features

- A smooth 360 degree rotation, even under maximum load.
- Adjustable height/reach settings.
- Aluminium construction with a yellow powder coat finish. Each piece weighs less than 25kg.
- Designed to be used in close proximity to hand-railing without any need for adaptation or extension pieces.



Davit Type	WLL kg	Reach mm	Height To Suspension Point mm	Rotation degree	Pin Diameter mm	Optional Pin Diameter mm
Uni-Lift Aluminium Adjustable Height & Reach	500	760	2483	360	65	63.5
Uni-Lift Aluminium Adjustable Height & Reach	500	1000	2327	360	65	63.5
Uni-Lift Aluminium Adjustable Height & Reach	500	1200	2134	360	65	63.5
Uni-Lift Aluminium Adjustable Height & Reach Winch	500	760	2483	360	65	63.5
Uni-Lift Aluminium Adjustable Height & Reach Winch	500	1000	2327	360	65	63.5
Uni-Lift Aluminium Adjustable Height & Reach Winch	500	1200	2134	360	65	63.5

Split Pole Steel Davit

The portable split pole davit is a three piece assembly manufactured from mild steel and galvanised to BS EN 1461.

This davit is available with a split of either 70/30 or 50/50 and in a range of reaches to suit individual customer requirements. Subject to customer requirements, this davit can also be supplied in stainless steel 304, stainless steel 316 or as a lightweight aluminium model.



Davit Type	WLL kg	Reach mm	Height To Suspension Point mm	Rotation degree	Pin Diameter mm	Optional Pin Diameter mm
Vertical Split Pole	500	760	2200	270	65	63.5
Vertical Split Pole	500	1000	2200	270	65	63.5
Vertical Split Pole	500	1200	2200	270	65	63.5
Vertical Split Pole Winch	500	760	1930	270	65	63.5
Vertical Split Pole Winch	500	1000	1930	270	65	63.5

Height Safety Davit

The Uni-Lift 500 lightweight aluminium portable fall arrest/height safety davit has a 136kg WLL for single person fall arrest applications. Designed as a two piece assembly, the Uni-Lift 500 is supplied with an industry standard 65mm diameter universal davit mounting pin to suit our standard sockets. The assembly can also be supplied with non-standard mounting pins to suit customer requirements.

Features

- A smooth 360 degree rotation, even under maximum load.
- Adjustable height/reach settings ranging from 760mm to 1200mm reach and a maximum height of lift of 2483mm.
- Aluminium construction with a yellow powder coat finish. Each piece weighs less than 25kg.
- Easy access winch mounting plate.

The Uni-Lift 500 has been designed to be used in close proximity to hand-railing, without any need for adaption or extension pieces.

The Uni-Lift 500 davit can be easily transported and erected by a single person with no heavy parts or awkward bolts. The two locking and adjustment points on the Uni-Lift 500 contain a sleeved hole for ease of use, allowing the fold-down locking pin to slide in easily.

The Uni-Lift 500 body can be supplied with interchangeable arms to accommodate:

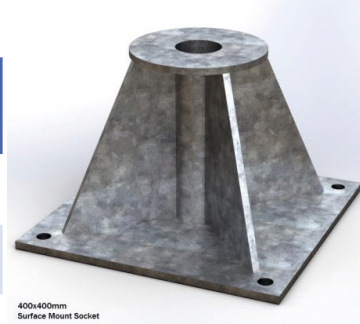
- Goods lifting via manual chain block or electric hoist, 500kg WLL
- Goods lifting with a winch, electric or manual, 500kg WLL
- Fall arrest/rescue of a single person, 136kg WLL



Davit Sockets

Surface Mount Davit Sockets

Socket Type	WLL kg	Base Dimensions mm	To Fit 63.5mm Diameter Pin	To Fit 65mm Diameter Pin	To Fit 75mm Diameter Pin	No. Of Fixing Holes	Fixing Size	Finish
Surface Mount	500	400 x 400	Yes	Yes	No	4	63.5	Galvanised
Surface Mount	500	250 x 250	Yes	Yes	No	4	63.5	Galvanised
Surface Mount	1000	500 x 500	No	No	Yes	8	63.5	Galvanised



400x400mm
Surface Mount Socket

Cast In/Grout In Davit Sockets

Socket Type	WLL kg	Flange Diameter mm	Total Depth Required mm	To Fit 63.5mm Diameter Pin	To Fit 65mm Diameter Pin	To Fit 75mm Diameter Pin	Finish
Cast In	500	200	350	Yes	Yes	No	Galvanised
Cast In	1000	200	350	No	No	Yes	Galvanised
Grout In	500	200	350	Yes	Yes	No	Galvanised
Grout In	1000	200	350	No	No	Yes	Galvanised
Surface Mount	1000	500 x 500	No	No	Yes	8	



Cast-In Socket

Wall Mount Davit Sockets

Socket Type	WLL kg	Back Plate Dimensions mm	To Fit 63.5mm Diameter Pin	To Fit 65mm Diameter Pin	To Fit 75mm Diameter Pin	No. Of Fixing Holes	Fixing Size	Finish
Wall Mount	500	450(H) x 400(W)	Yes	Yes	No	7	M20	Galvanised
Wall Mount	1000	450(H) x 400(W)	No	No	Yes	7	M20	Galvanised



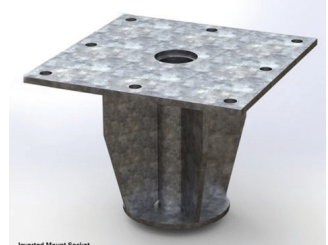
Wall Mount Socket

Bridge & Inverted Mount Davit Sockets

Socket Type	WLL kg	Back Plate Dimensions mm	To Fit 63.5mm Diameter Pin	To Fit 65mm Diameter Pin	To Fit 75mm Diameter Pin	Fixing Size	Finish
Bridge Mount	500	250 x 250 x 250	Yes	Yes	No	M16	Galvanised
Bridge Mount	1000	250 x 250 x 250	No	No	Yes	M16	Galvanised
Inverted Mount	500	400 x 400 x 312	Yes	Yes	No	M20	Galvanised
Inverted Mount	1000	500 x 500 x 350	No	No	Yes	M20	Galvanised



Bridge Mount Socket



Inverted Mount Socket

Gas Detectors

ALTAIR® 4XR Multi-Gas Detector

The versatile 4-gas detector ALTAIR 4XR offers constant gas monitoring as well as a pre-entering atmosphere analysis, ideal for confined space workers.

The ALTAIR 4XR has an IP 68 rating and withstands multiple drops from 7.5 m, exceeding the military standard MILSTD-810 drop test requirements (25 drops from 1.2 m). It is equipped with MSA XCell® sensors providing longer service life and run time and faster response times that help save lives.

With its 4-year warranty, the ALTAIR 4XR is equipped with Bluetooth connectivity allowing real-time awareness with live gas readings and alarm notifications sent via SMS. For additional safety, the ALTAIR 4XR features the exclusive MotionAlert mandown alarm and InstantAlert manual alarm.



ALTAIR® 5X Multi-Gas Detector

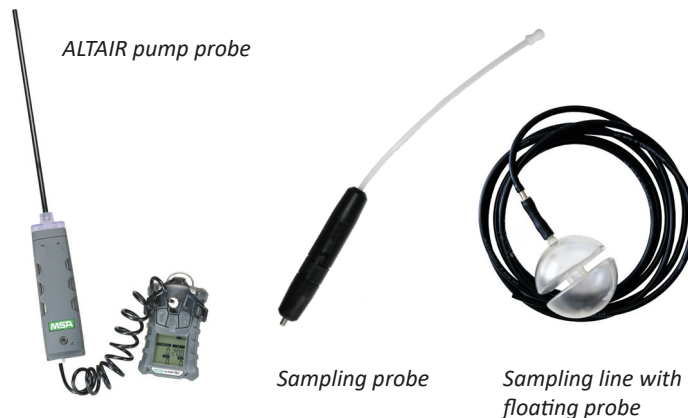
The ALTAIR 5X detector with Bluetooth wireless technology, an integrated pump and PID option for VOC detection measures up to 6 gases simultaneously. Clearance measurements can be performed remotely using a sampling line and floating probe.

Driven by advanced MSA XCell® Sensor Technology, the ALTAIR 5X delivers faster response time, better stability, accuracy, longer service life, and cost savings. Inside, a field-proven integral pump provides consistent gas flow without the problems of externally attached components. The ergonomic design, glove-friendly buttons and a high contrast display make the ALTAIR 5X multigas detector easy to use for all applications.



Sampling Accessories

A full range of sampling accessories is available, such as sampling lines of various lengths, floating probes, and sampling probes. The versatile ALTAIR® Pump Probe is a rugged sampling accessory, capable of drawing samples from up to 30m away. It quickly converts the ALTAIR 4XR into a pumped detector for remote confined space sampling applications.



Testing & Calibration

For your bump test and/or calibration needs, you can either opt for our GALAXY® GX2 Automated Test Stand or manual testing using a pressure reducer.



GALAXY® GX2 Automated Test Stand



Manual testing with test gas

Pump Chain & Hardware

Stainless Steel Pump Lifting Chain Grade 60

Manufactured from AISI 316L and AISI 318LN (S31803 Duplex) marine grade stainless steel, each chain is fully welded by the manufacturer, incorporating an oval master link at each end and at every metre along the length of the chain.

Each length of chain is batch numbered and grade marked for full trace-ability back to the factory. All supplied chain is proof load tested to twice the WLL prior to dispatch.

Pump lifting chain can be prepared to bespoke lengths and dispatched within 24 hours for WLL 630kg, 1,250kg, 2,000kg. For 3,850kg WLL please enquire on delivery schedules.



WLL kg	Chain Link Dimension mm	Master Link Dimensions mm	Joining Link Dimensions mm	Material Specification
200	3 x 14	5 x 42 x 22	-	316L/318LN
400	4 x 16	8 x 54 x 30	5 x 22 x 9	316L/318LN
630	5 x 15	10 x 80 x 50	6 x 26 x 13	316L/318LN
900	6 x 18	13 x 110 x 60	8 x 35 x 19	316L/318LN
1250	7 x 21	13 x 110 x 60	8 x 35 x 19	316L/318LN
1550	8 x 24	13 x 110 x 60	10 x 44 x 25	316L/318LN
2000	9 x 27	16 x 110 x 60	13 x 54 x 25	316L/318LN
2450	10 x 30	16 x 110 x 60	13 x 54 x 25	316L/318LN
3850	13 x 39	22 x 160 x 90	16 x 70 x 34	316L/318LN

Stainless Steel Shackles

All shackles supplied are approved for lifting with screw pin or captivated pin with nut and safety pin, in a range of working load limits. Shackles in the table below are held in stock, other shackle specifications available on request.

Shackle Type	WLL kg	Pin Type	Jaw Width mm
Bow shackle	1000	Captivated	26
Bow shackle	2000	Captivated	23
Bow shackle	2500	Captivated	32
Bow shackle	600	Screw Pin	24
Bow shackle	1000	Screw Pin	32
Dee shackle	1000	Screw Pin	17
Dee shackle	1000	Screw Pin	32
Dee shackle	2000	Screw Pin	20
Dee shackle	3000	Screw Pin	50
Dee shackle	4000	Screw Pin	32



Manhole Cover Lifters

Companion Cover Lifter



Providing a safe and easy-to-use method of lifting and moving covers, the rollers serve as a fulcrum point when downward pressure is applied to the handle, lifting the cover with minimal effort and reducing the risk of back injury to operators.

- Two handed operation
- Handles fold down for compact storage
- Wide nylon rollers at fulcrum point provide excellent stability
- Variety of remote keys to lock adaptor bar to cover
- Overall length: 1300mm (4'3")
- Weight: 14kg (15lbs)

Standard Cover Lifter

The rollers serve as a fulcrum point when downward pressure is applied to the handle, lifting the cover with minimal effort to reduce the risk of back injury to the operators. The standard model with rigid handles are used in pairs where keyholes are on the edge of the cover.

- Safe, one or two-man operation
- Lightweight for easy deployment and convenient storage
- Stable and easy to manoeuvre
- Heel projection on lifters gives extra leverage to loosen tight or frozen covers prior to lifting
- Adaptor bars and keys are available to lift virtually every type of cover



Lightweight Gantry Heavy Duty Gatic Cover Lifter



The Didsbury Mini Gantry best serves the bigger Elkington Gatic covers, up to 400kgs in weight. Its fully adjustable legs allow operators to lift those covers on steep sloping ground safely. A braking system is incorporated in the beam to give the operator total control over the cover during lifting and lowering.

Adjustment	Weight kg	Dimensions		WWL kg
		Max. Length mm	Max. Height mm	
Adjusts in 2.5 degrees	25	2600	1300	400 (4:1 safety factor)

- Lifts all large Elkington Gatic covers
- Lightweight, one man operation
- Lifts all covers on sloping uneven ground
- Lifts all covers on soft ground
- Larger or small models available on request
- Can be used horizontally or will adjust to lift covers on a 20 degree incline
- Tight cover jacking facility
- Will lift all covers with key holes

Standard Cover Lifter

Made from Carbon Steel for added strength and zinc plated to protect from rust. Included within the kit are:

- 2 x Interchangeable Handles 440mm long
- 2 x 33mm t-tips
- 2 x 22mm t-tips
- 2 x 10mm side entry hooks
- 2 x M10 screw tips
- 2 x M12 screw tips
- 2 x M16 screw adaptors
- 1 x short stopcock tip
- 1 x free long stopcock tip
- 1 x Black Nylon Rollsack





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