



# ***Lifting Gear Hire***

**Lifting Equipment Rental Specialists**

**Technical User Guide**



**UK 2<sup>ND</sup> EDITION**

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# The Experts in Lifting Gear Hire

LGH is the single largest organisation devoted exclusively to the hire and sale of lifting and moving equipment. Owing to our commitment to safety and service, we have grown to over twenty locations in the USA and six in mainland Europe, with close to 300 employees worldwide - all since our launch in 1970.

2016 saw the relaunch of our UK operations; we're absolutely dedicated to ensuring quality and satisfaction, providing only the safest and most reliable equipment, delivered with service and expertise you can rely on.

## At LGH, we put safety first.

## Equipment to meet every lifting or moving need...



### Hoisting

We stock an extensive array of hoisting equipment from industry leading manufacturers such as JDN, Tiger, Yale and Columbus McKinnon. Complete your project safely and productively with the finest tools available.



### Pulling

Access the very best pulling and winching products from leading companies such as Tractel, BHW Group, SEB International and Hydraslide – our inventory and expert advice will ensure you have the right equipment for the job.



### Jacking

We carry only the safest jacking equipment to lift and lower your load carefully and reliably, from superjacks to double acting cylinders and everything in-between. We also carry top of the range synchronous lift systems, guaranteed tested, certified, and ready to use.



### Rigging

Rig up a safe and successful operation with the right lifting beams, shackles and other rigging equipment for your project from some of the best manufacturers in the industry such as Pewag, Tractel, and Modulift.



### Material Handling

From Genie Material Lifts and Roustabouts to Pallet Trucks and Skoots, we carry a comprehensive range of products from market leading brands and we are constantly adding to this range, including the latest innovation in aluminium gantries via Reid Lifting.



### Safety

Our safety range extends from traditional safety harnesses and fall arrest blocks through to the latest tripods, counter balance davits and a range of confined access equipment, sourced from innovative market leaders such as Checkmate and Abtech.

# Safety, Certainty & Great Service

- the three pillars on which LGH is built



## 01

### Safety

#### - Choose the safety specialists

- We attribute much of our success to our devotion to the maintenance, preparation, inspection, and testing of the vast array of quality lifting equipment we offer.
- We conduct quarterly internal audits to examine the operational and administrative practices at our customer contact centre and each of our remote warehouses.
- We also undertake frequent external audits as part of our external assurance programme with LEEA, HAE and others.

## 02

### Certainty

#### - You can rely on our products & services absolutely

- In excellent working order
- Fit for purpose
- On time
- In full

We know how busy our customers are, and that construction and maintenance activities take place in busy, dynamic and fast paced environments. So when you use LGH, we'll make sure you have one less thing to worry about.

## 03

### Great Service

#### - Committed to professionalism and keeping you happy

We invest the highest level of dedication, preparation, hard work and willingness in all facets of our operation to ensure optimal efficiency and provide our customers with the very best independent, specialist service.

We aim to exceed expectations every time - it's all about communication:

- We'll keep you up to date at every step of the process
- We'll always respond in a concise and speedy manner
- We'll share our expert knowledge to make your job easier

**All enquiries and orders are managed through our customer contact centre. Call our friendly and expert team: 03704 247 247**



## You can rely on Lifting Gear Hire for:

### The best quality equipment

All of our equipment has been carefully selected for its durability and longevity from only the most trusted partners.

Tested, inspected and certified to the highest standards, we maintain it to be ready for immediate and above all, safe use.

### The most comprehensive inventory

Whether it's for simple everyday tasks, or for special projects where expertise has to be matched with the right equipment.

We maintain an extensive inventory of equipment for each of our categories.

Just think of our inventory as your inventory.

### Industry leading knowledge

The LGH UK team is comprised of seasoned lifting industry experts.

Our knowledge is continually maintained by comprehensive manufacturer-led training courses and practical workshops to ensure the latest statutory and legal requirements are always met or exceeded.

# Industries We Serve

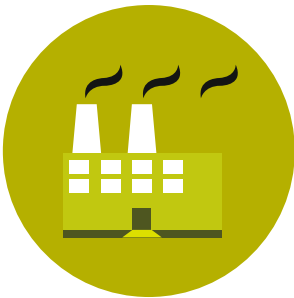
Whatever your industry, if you have lifting needs we have the best quality equipment and years of expertise to deliver exactly what you need. We will support you throughout your project for a safe and successful lift every time.



Construction  
& Maintenance



Energy & Utilities



Petrochemical  
& Pharmaceutical



Marine



Transport



Offshore



Water



Waste

# Accreditations

At LGH our dedication to safety and ongoing training never waivers. We have worked hard to achieve industry recognised and required accreditations to ensure we can support all our customers to the highest standards possible.

These accreditations help to drive LGH to fulfill our vision and uphold our core value to 'put safety first'.



## Our Values



Safety



Certainty



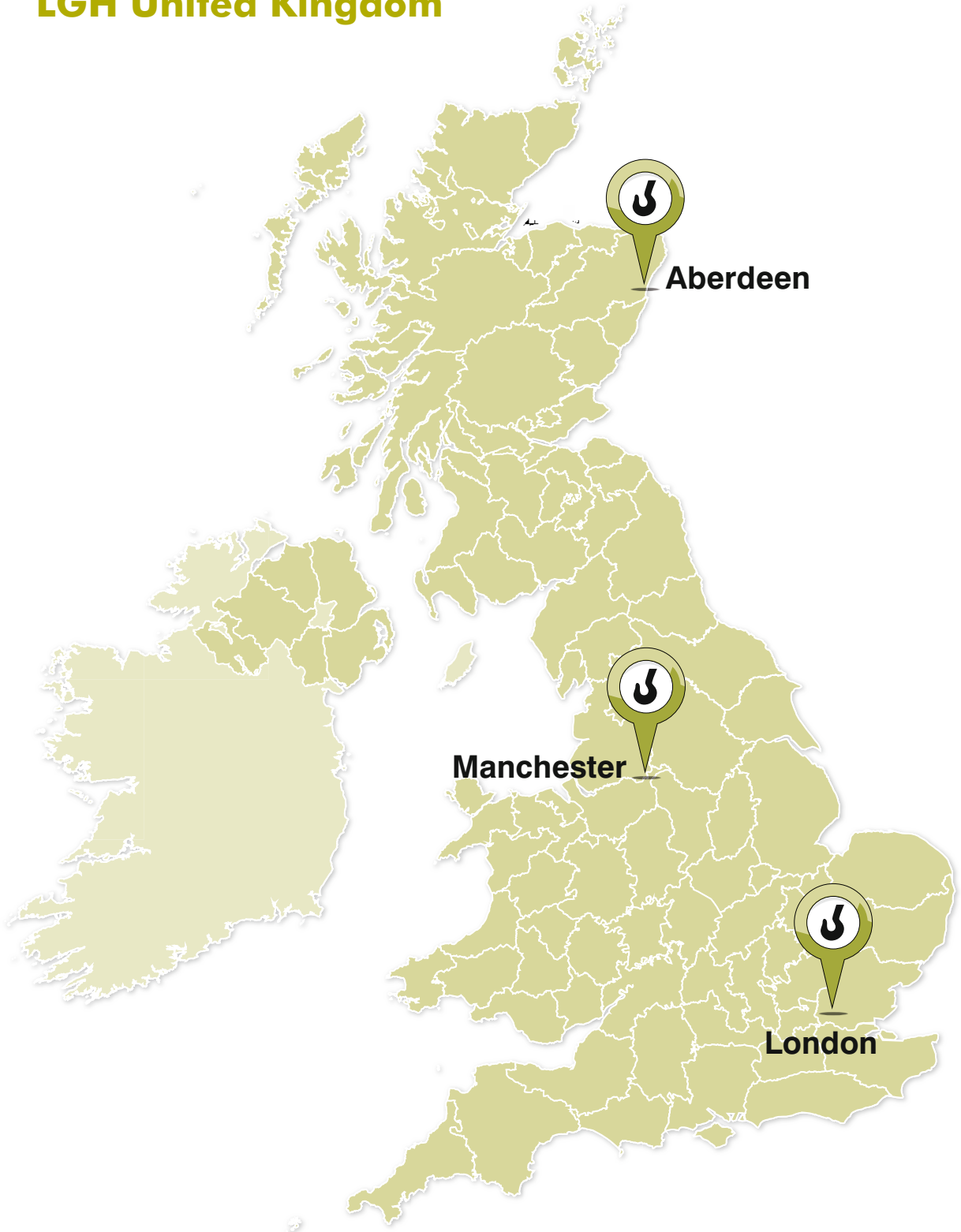
Quality



Excellent Service

# The Experts in Lifting Gear Hire

## LGH United Kingdom





## LGH Locations

LGH has grown to three locations since it relaunched in to the UK market in 2016; Aberdeen, Manchester and London.

Our operation ensures optimal efficiency and provides our customers with the very best service.

All three locations have a full suite of top quality core lifting equipment spanning across six categories; Hoisting, Pulling, Jacking, Rigging, Material Handling and Safety. All enquiries and orders are managed through our experienced team at our Customer Contact Centre in Manchester.

### Aberdeen Warehouse:

Unit 6 – 8, Kirkton Avenue, Pitmedden Road Industrial Estate,  
Dyce, Aberdeen, AB21 0BF

### Manchester Warehouse / National Rental Centre:

120 Bolton Road, Atherton, Manchester, M46 9JZ

### London Warehouse:

Unit 9, Mudlands Trading Estate, Manor Way, Rainham, Essex, RM13 8RH

### Customer Contact Centre:

enquiries@lgh.co.uk | 03704 247 247



# Lifting Gear Hire around the world

- North America and Europe

## LGH North America



LGH North America have over twenty warehouses nationwide. We are now the single largest organisation devoted exclusively to the rental and sale of lifting and moving equipment.



Safety, Certainty & Great service globally with Lifting Gear Hire

# LGH Europe



LGH Europe have over six warehouses across three mainland European countries; Germany, Holland and Belgium.





The largest range of equipment, the most skilled and experienced winch engineers and the only winch specialist with truly national coverage



Derby



London



Glasgow

Aberdeen

For more information on how our equipment, experience and expertise can support your project, call us on: 01773 603997



Call us: 01773 603997 | Email us: sales@rotrexwinches.co.uk | Visit us: www.rotrexwinches.co.uk

# Rotrex Group Ltd & LGH



## Rotrex Group Ltd

Rotrex Winches has a 45 year history as the UK's leading provider of winches and winch expertise and has 4 locations in the UK – Derby, London, Glasgow and Aberdeen. Rotrex Winches has recently expanded into mainland Europe and now has a base in the Netherlands.

Rotrex provides a wide range of winch hire, winch sales, winch service and winch support solutions, as well as offering maintenance, inspection and testing of customers own equipment.

## Rotrex and LGH

The Rotrex brand has a long history with LGH. Over 30 years, LGH grew organically and by acquisition to become the largest and market leading lifting gear and winching plant hire company in the UK, with successful businesses operating in the USA, Netherlands and Germany.

In the early 1990's, LGH (now LGH Group plc) acquired NIM Winches based in Alfreton, Derbyshire. This greatly strengthened the group's winch capacity, capability and expertise and offered complementary equipment to the Lifting Gear Hire business.

In 2007, LGH Group plc was renamed as Rotrex Group Ltd in the UK, with Rotrex Winches and Rotrex OnSite as trading businesses. Rotrex Group Ltd is still owned by the founders of Lifting Gear Hire, as are the other LGH businesses which now have locations in USA, Canada, Netherlands, Belgium and Germany. The Rotrex and LGH businesses continue to work closely together to develop opportunities in various sectors including Construction, Marine, Rail, Tunnelling, Utilities, Telecoms and Offshore. By working together we are able to offer customers solutions for all of their winching and lifting equipment needs and ensure they get the best service and support.

Now Lifting Gear Hire has relaunched in the UK, this long history and unique relationship will continue to grow.



# Our Trusted Partners

- we only work with the best

We work with innovative market leading manufacturers to bring you only the safest and most reliable equipment. If a supplier meets our high standards it's a sure sign you're going to be working with nothing but the very best.



Call our customer contact centre on: **03704 247 247**



## Disclaimer

All equipment in this technical user guide is subject to availability and circumstances may lead to alternative equipment being offered.

The information in this technical user guide, relating to the equipment has been provided by the manufacturers. Whilst the technical user guide has been prepared in good faith, no representation, warranty, assurance or undertaking (express or implied) is or will be made, and no responsibility or liability is or will be accepted by or by its officers, employees or agents in relation to the accuracy or completeness of this technical user guide. All and any such responsibility and liability is expressly disclaimed. It is your responsibility to ensure that the equipment has the correct dimensions and weight to perform the tasks you require it for.

Lifting Gear Hire reserves the right, without prior notice, at any time and in any respect, to alter any of the information contained within this technical user guide. No information set out or referred to in this technical user guide shall form the basis of any contract. Any prospective hirer of Lifting Gear Hire equipment shall be required to enter into a legally binding agreement acknowledging that it has not relied on, or been induced to enter into such an agreement by, any representation, warranty, assurance or undertaking save as expressly set out in that agreement.





**Tiger**

Our innovation, your safety

## Tiger Lifting

Robust and reliable products, constant innovation and patented designs ensure Tiger meets your lifting requirements.

The first choice for Lifting Gear Hire

Chain blocks, lever hoists, beam clamps, trolleys and combinations units

Unique patented brake design for cross-hauling and fleeting applications

Innovative and client driven engineering background, with over 50 years of professional manufacturing experience

Proven track record and an enviable reputation

Atex approved spark resistant range available

The original Tiger Subsea Lifting range

Continuous improvement keeps us ahead of the game

It's the details in Tiger Products that make the difference.



PROLH lever hoist with UK Network Rail PADS Certification Certificate of Acceptance PA05/06651



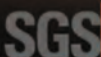
Atex heavy duty beam clamp



Tiger universal beam clamp



Spark resistant chain block







# ENGINEERED FOR EXTREMES



Explosion-proof pneumatic or hydraulic hoists and crane systems from J.D. Neuhaus are reliable in the extreme. Our equipment performs when used to build massive sea vessels or in any one of 70 additional industrial sectors across 90 countries world-wide. [www.jdngroup.com](http://www.jdngroup.com)



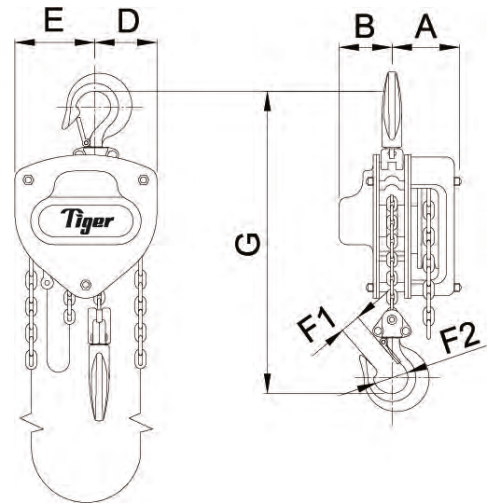


# Hand Chain Hoists

## TCB14 Chain Hoist

- Range from 0.5t to 30t
- Rugged construction yet lightweight and portable
- Patented quad cam mechanical brake
- Certified 2% light load protection
- Operating temperature of -40°C to +50°C
- Proof tested to 1.5 times rated capacity
- Standard lift height 3m, 6m, 9m, 12m HOL or can be chained to meet your requirements
- Tested and certified for “fleeting” and “cross-hauling” application

Product Code	Model	Capacity (t)	Effort (kg)	Dimensions (mm)							Load Chain		Std HOL (m)	Weight at Std HOL (kg)	Weight for Extra Metre HOL (kg)
				A	B	D	E	F1	F2	G	Diameter (mm)	No. of Falls			
H010100003	CB-0050	0.5	21	93	66	52	78	24	38	305	6.3	1	3	10.8	1.8
H010100103	CB-0100	1.0	25	93	66	63	87	28	45	340	6.3	1	3	11.8	1.8
H010100203	CB-0200	2.0	34	101	79	87	113	35	53	420	8.0	1	3	20.0	2.4
H010100303	CB-0300	3.0	38	109	84	98	157	36	56	550	10.0	1	3	30.6	3.2
H010100303	CB-030T	3.0	34	98	73	60	148	36	56	465	7.1	2	3	23.3	3.2
H010100503	CB-0500	5.0	37	101	79	122	209	49	70	575	8.0	3	3	37.8	5.2
H010101003	CB-1000	10.0	40	109	84	153	263	54	87	660	10.0	3	3	64.0	7.5
H010101503	CB-1500	15.0	41	109	84	225	378	59	81	840	10.0	5	3	128.5	11.8
H010102003	CB-2000	20.0	43	161	90	148	360	81	110	1050	10.0	6	3	178.7	14.2
H010103003	CB-3000	30.0	42	220	220	388	388	91	135	1200	10.0	10	3	306.9	23.8



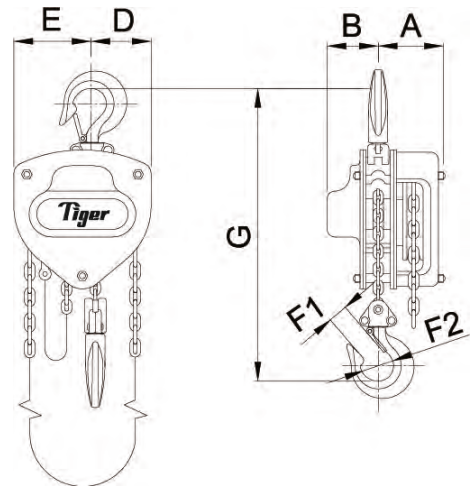


# Hand Chain Hoists

## SS12 Corrosion Resistant Chain Hoist

- Range from 0.5t to 30t
- Fully corrosion protected body and components
- Corrosion protected load and hand chain
- Marine specific friction discs
- Stainless steel fixings and fasteners
- Certified 2% light load protection
- Operating temperature of -40°C to +50°C
- Standard lift height 3m, 6m, 9m, 12m HOL or can be chained to meet your requirements

Product Code	Model	Capacity (t)	Effort (kg)	Dimensions (mm)							Load Chain		Std HOL (m)	Weight at Std HOL (kg)	Weight for Extra Metre HOL (kg)
				A	B	D	E	F1	F2	G	Diameter (mm)	No. of Falls			
H010110003	SCB-0050	0.5	21	93	66	52	78	24	38	305	6.3	1	3	10.8	1.8
H010110103	SCB-0100	1.0	25	93	66	63	87	28	45	340	6.3	1	3	11.8	1.8
H010110153	SCB-0150	1.5	32	98	73	78	102	34	51	385	7.1	1	3	16.2	2.1
H010110203	SCB-0200	2.0	34	101	79	87	113	35	53	420	8.0	1	3	20.0	2.4
H010110303	SCB-0300	3.0	38	109	84	98	157	36	56	550	10.0	1	3	30.6	3.2
H010110503	SCB-0500	5.0	37	101	79	122	209	49	70	575	8.0	3	3	37.8	5.2
H010111003	SCB-1000	10.0	40	109	84	153	263	54	87	660	10.0	3	3	64.0	7.5
H010112003	SCB-2000	20.0	43	161	90	148	360	81	110	1050	10.0	6	3	178.7	14.2
H010113003	SCB-3000	30.0	42	220	220	388	388	91	135	1200	10.0	10	3	306.9	23.8





# Beam Clamps

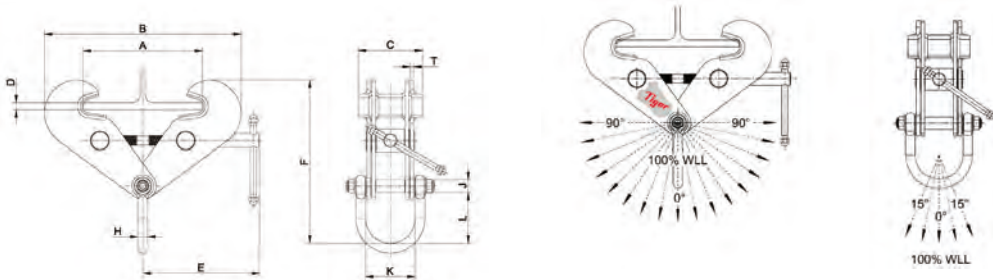
## BCF Beam Clamps

- Range from 1t to 20t
- Versatile rigging point for hoisting equipment
- Suitable for pulling and lifting at angles across the beam
- 90° side loading with no de-ration (100% WLL)
- 15° cross loading with no de-ration (100% WLL)
- Evenly distributed loads achieved through maximum jaw surface area
- Operating temperature -50°C to +50°C
- 4:1 factor of safety

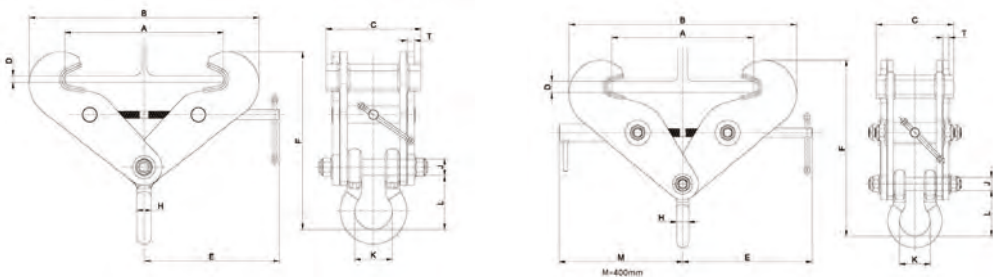
Product Code	Model	Capacity (t)	Dimensions (mm)											Weight (kg)
			A	B	C	D	E	F	H	J	K	L	T	
H030100101	BCF-0100	1.0	75-195	206-321	105	20	190	300-266	16	21	80	84	6	5.5
H030100201	BCF-0200	2.0	75-195	206-321	105	20	190	311-276	18	21	88	95	8	6.5
H030100304	BCF-0300	3.0	100-350	223-476	140	25	270	418-344	22	27	110	105	10	12.0
H030100303	BCF-030S	3.0	75-190	216-325	140	20	190	310-271	22	27	110	105	10	9.5
H030100506	BCF-0500	5.0	100-310	223-438	140	25	286	424-368	27	27	124	111	12	14.5
H030100503	BCF-050S	5.0	75-190	216-325	140	20	190	315-276	27	27	124	111	12	11.0
H030101004	BCF-1000	10.0	120-350	282-511	210	30	314	460-389	32	37	83	120	16	26.5
H030101504	BCF-1500	15.0	203-457	463-742	250	36	416	644-558	38	43.5	99	146	20	76.0
H030102004	BCF-2000	20.0	203-457	471-766	300	50	416	697-609	45	49	126	180	25	100.0

Larger sizes available on request

### Capacities 1t, 2t, 3t, 5t



### Capacities 10t, 15t, 20t



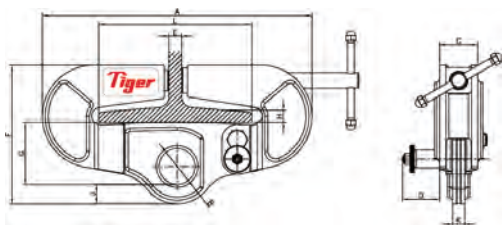
# Beam Clamps

## BCU Universal Beam Clamps



- Range of 3t and 5t
- Versatile rigging point for hoisting equipment
- Highly flexible for lifting, pulling or as a semi-permanent anchor point
- For both vertical and side loading applications
- Full rated capacity at any lifting angle
- Operating temperature -50°C to +50°C
- 4:1 factor of safety

Product Code	Model	Capacity (t)	Dimensions (mm)											Weight (kg)
			A	B	C	D	E	F	G	H	J	K	L	
H030110301	BCU-0300	3.0	387	60	70	63	32	235	100	25.4	28	20	125-204	15.5
H030110501	BCU-0500	5.0	524	70	74	72	32	270	120	25.4	38	24	125-305	27.0
H030111001	BCU-1000	10.0	524	70	75	82	32	278	120	25.4	38	25	125-305	31



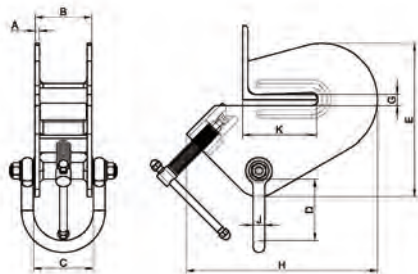
**Warning:** Do not use this equipment for lifting flat plate sections



## BCA Adjustable Angle Clamps

- Range of 1t and 3t
- Versatile rigging point for hoisting equipment
- V shaped clamping jaws ensure safe, secure grip
- Accommodates a wide range of steel angle sections
- Integrated adjusting screw spindle
- Operating temperature -50°C to +50°C
- 4:1 factor of safety
- Can be used up to a maximum of 15° from the vertical

Product Code	Model	Capacity (t)	Dimensions (mm)										Weight (kg)
			A	B	C	D	E	G	H	J	K		
H030120101	BCA-0100	1.0	6	76.5	81	83	206	15	258	16	38-101	5.5	
H030120301	BCA-0300	3.0	10	106.5	112	104	343	25.4	490	22	101-203	23.5	



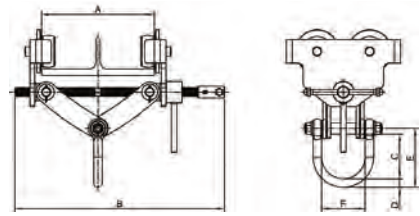
# Adjustable Beam Trolleys

## APT Adjustable Beam Trolleys - Push Travel



- Range from 1t to 10t
- Screw spindle allows easy adjustment
- High clamping force
- The anti-drop plates ensure extra safety and prevent damage to wheels when contacting end rail stoppers
- Runs on sealed ball bearings - smoother rolling, less effort and maintenance
- 5:1 factor of safety allows for use with manual or powered hoists

Product Code	Model	Capacity (t)	A Track Width Range (mm)	Dimensions (mm)					Min. Curve Ratio (m)	Weight (kg)
				B	C	D	E	F		
H040100101	APT-0100	1.0	75-210	391	83.5	16	110	81	1.0	9.6
H040100202	APT-0200	2.0	75-210	391	94.5	18	123	89	1.3	13.5
H040100302	APT-0300	3.0	75-210	403	105.5	22	141	112	1.5	23.0
H040100603	APT-0600	6.0	105-305	521	111	27	151.5	125	1.5	35.5
H040101003	APT-1000	10.0	160-305	606	119	32	170	83	2.7	118.0

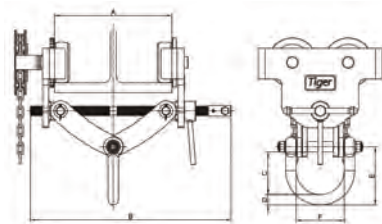


## AGT Adjustable Beam Trolleys - Geared Travel



- Range of 6t and 10t
- Screw spindle allows easy adjustment
- High clamping force
- The anti-drop plates ensure extra safety and prevent damage to wheels when contacting end rail stoppers
- Runs on sealed ball bearings - smoother rolling, less effort and maintenance
- 5:1 factor of safety allows for use with manual or powered hoists

Product Code	Model	Capacity (t)	A Track Width Range (mm)	Dimensions (mm)					Min. Curve Ratio (m)	Weight (kg)
				B	C	D	E	F		
H040200603	AGT-0600	6.0	105-305	521	111	27	151.5	125	1.5	40.1
H040201003	AGT-1000	10.0	160-305	606	119	32	170	83	2.7	221.0



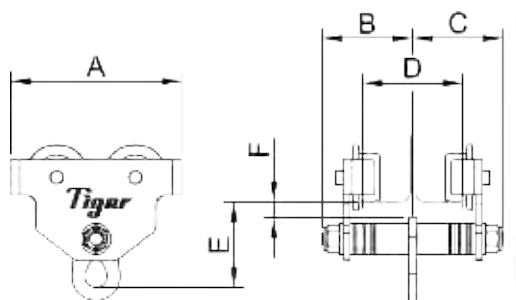
# Beam Trolleys

## Single Bar Trolleys - Push Travel

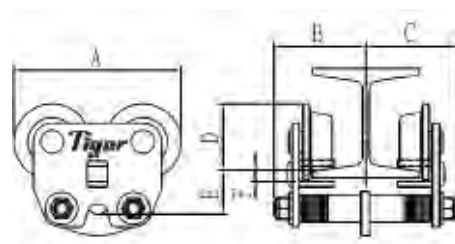


- Plain Trolleys 0.5t to 10t
- Extended beam width available
- Anti-drop plates design ensures extra safety and prevents damage to wheels when contacting end rail stoppers
- Wheels use sealed ball bearings - smoother rolling, less effort and maintenance
- Operating temperature -30°C to +50°C

Product Code	Model	Capacity (t)	Track Width Range 1 (mm)	Track Width Range 2 (mm)	Dimensions (mm)					Min. Curve Ratio (m)	Plain Trolley	
					A	B	D	E	F		B (mm)	Weight (kg)
H040110051 H040130051	TPS-0050 TPT-0050	0.5	62-128	62-203	179	109	70	49	16	0.8	106	5.0
H040110101 H040130101	TPS-0100 TPT-0100	1.0	62-128	62-203	195	111	79	50	16	1.0	113	7.3
H040110201 H040130201	TPS-0200 TPT-0200	2.0	88-154	88-230	235	134	95	70	19	1.3	136	12.0
H040110301 H040130301	TPS-0300 TPT-0300	3.0	88-154	88-230	263	145	111	79	16	1.5	146	19.0
H040110501 H040130501	TPS-0500 TPT-0500	5.0	106-194	106-305	307	169	133	88	21	1.5	169	30.0
H040131001	TPT-1000	10.0	150-320	N/A	429	252	183	240	40	2.7	255	135.5



Single Bar Trolley (TPS)



Plain Twin Bar Trolley (TPT)



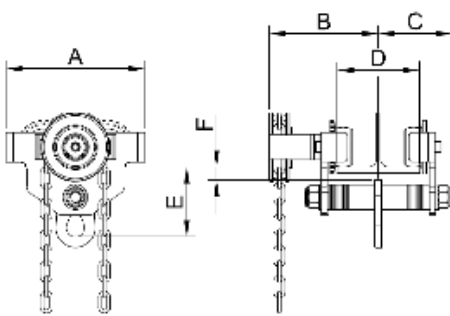
# Beam Trolleys

## Twin Bar Trolleys - Geared Travel

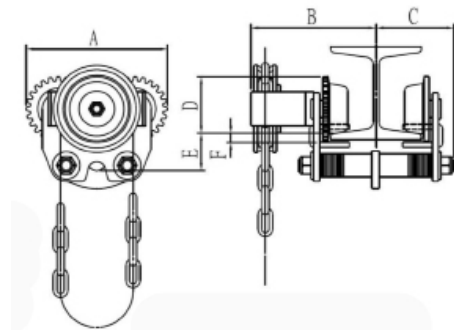


- Geared Trolleys 0.5t to 30t
- Extended beam width available
- Anti-drop plates design ensures extra safety and prevents damage to wheels when contacting end rail stoppers
- Wheels use sealed ball bearings - smoother rolling, less effort and maintenance
- Operating temperature -30°C to +50°C

Product Code	Model	Capacity (t)	Track Width Range 1 (mm)	Track Width Range 2 (mm)	Dimensions (mm)						Min. Curve Ratio (m)	Geared Trolley		
					A	B	C	D	E	F		B (mm)	Hand Chain Length (m)	Weight (kg)
H040210051 H040230051	TGS-0050 TGT-0050	0.5	62-128	62-203	195		106		98	20	0.8	165	2.5	8.9
H040210101 H040230101	TGS-0100 TGT-0100	1.0	62-128	62-203	213		113		106	20	1.0	170	2.5	11.1
H040210201 H040230201	TGS-0200 TGT-0200	2.0	88-154	88-230	236		136		132	25	1.3	182	2.5	16.3
H040210302 H040230302	TGS-0300 TGT-0300	3.0	88-154	88-230	277		146		150	25	1.5	187	2.5	23.3
H040210504 H040230504	TGS-0500 TGT-0500	5.0	106-194	106-305	323		169		174	30	1.5	210	2.5	34.3
H040231002	TGT-1000	10.0	150-320	N/A	429	252		183	240	40	2.7	335	2.5	150.0
H040232001	TGT-2000	20.0	150-320	N/A	930	255		182	270	42.5	6.0	335	2.5	356.0
H040232501	TGT-2500	25.0	150-320	N/A	930	255		182	277	42.5	6.0	335	2.5	363.0
H040233001	TGT-3000	30.0	150-320	N/A	990	267		182	288	42.5	6.0	348	2.5	368.0



Geared Single Bar Trolley (TGS)



Geared Twin Bar Trolley (TGT)





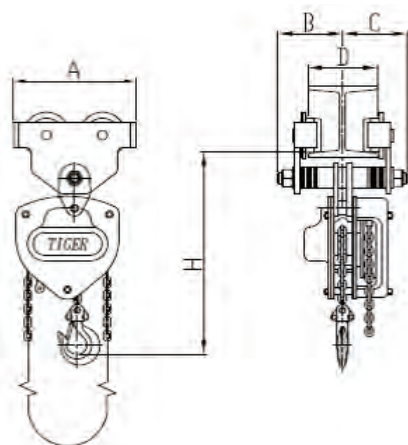


# Combination Units

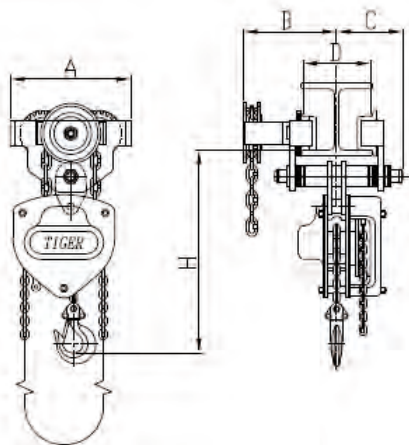
## Single Bar Trolley Combination Unit

- Range from 0.5t to 3t
- Ideal for locations where headroom is limited
- Geared and Plain Trolley versions available
- Single Bar Trolley options
- Extended beam width available
- Corrosion or Spark Resistant versions available

Product Code	Model	Capacity (t)	Dimensions (mm)					Weight kg at Std HOL		D Extended Width (mm)	
			A	B		C	H	D (Track Width)	Plain 3m HOL		Geared 3m HOL
				Plain	Geared						
H040310051 H040320051	CCBTPS-0050 CCBTGS-0050	0.5	195	106	165	106	310	62-128	16.2	20.2	62-203
H040310101 H040320101	CCBTPS-0100 CCBTGS-0100	1.0	213	113	170	113	350	62-128	19.8	23.7	62-203
H040310201 H040320201	CCBTPS-0200 CCBTGS-0200	2.0	236	136	182	136	450	88-154	33.2	37.7	88-230
H040310301 H040320301	CCBTPS-0300 CCBTGS-0300	3.0	277	146	187	146	530	88-154	48.52	53.8	88-230



Push Travel Trolley (TPS)



Geared Travel Trolley (TGS)



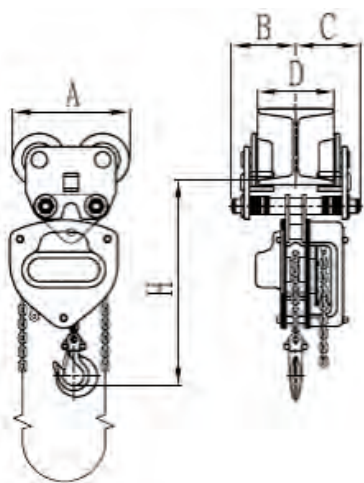


## Combination Units

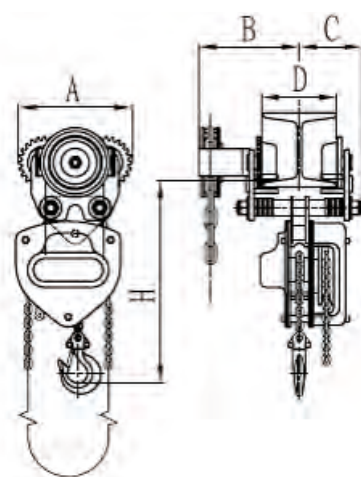
### Twin Bar Trolley Combinations Units

- Range from 0.5t to 10t
- Ideal for locations where headroom is limited
- Geared and Plain Trolley versions available
- Twin Bar Trolley options
- Extended beam width available
- Corrosion or Spark Resistant versions available

Product Code	Model	Capacity (t)	Dimensions (mm)						Weight kg at Std HOL		D Extended Width (mm)
			A	B		C	H	D (Track Width)	Plain 3m HOL	Geared 3m HOL	
				Plain	Geared						
H040330051 H040340051	CCBTPT-0050 CCBTGT-0050	0.5	179	109	168	109	316	62-128	17.1	21.1	62-203
H040330101 H040340101	CCBTPT-0100 CCBTGT-0100	1.0	195	111	178	111	342	62-128	20.4	24.4	62-203
H040330201 H040340201	CCBTPT-0200 CCBTGT-0200	2.0	235	134	184	134	446	88-154	33.9	38.4	88-230
H040330301 H040340301	CCBTPT-030T CCBTGT-030T	3.0	263	145	184	145	435	88-154	45.88	58.38	88-230
H040330501 H040340501	CCBTPT-0500 CCBTGT-0500	5.0	307	169	206	169	545	106-194	69.0	74.6	106-305
H040331001 H040341001	CCBTPT-1000 CCBTGT-1000	10.0	429	252	327	252	730	150-320	185.0	200.0	-



Plain Trolley Travel (TPT)



Geared Trolley Travel (TGT)



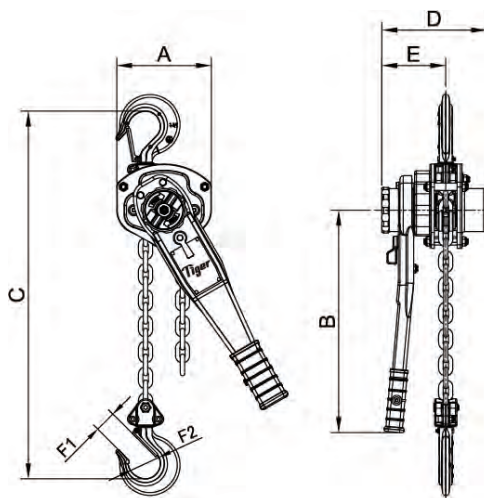


## Lever Hoists

### PROLH Lever Hoists

- Range from 0.8t to 20t
- Patented Quad Cam Pawl System
- Tiger's unique dual brake mechanism
- One piece construction pinion gear
- Adaptable to use both inverted and horizontally
- 8 point multi start thread pinion shaft - increased efficiency in brake reaction times
- "EZ Check" hook feature

Product Code	Model	Capacity (t)	Effort (kg)	Dimensions (mm)							Load Chain		Std HOL (m)	Weight at Std HOL (kg)	Weight for Extra Metre HOL (kg)
				A	B	C	D	E	F1	F2	Diameter (mm)	No. of Falls			
H060100815	PLH-0075	0.8	23	128	236	295	158	99	28	45	6.3	1	1.5	7.5	0.9
H060101515	PLH-0150	1.5	26	154	360	320	172	104	34	51	7.1	1	1.5	10.5	1.1
H060103015	PLH-0300	3.0	38	182	360	400	195	108	36	56	10.0	1	1.5	18.0	2.2
H060106015	PLH-0600	6.0	40	242	360	570	195	108	49	70	10.0	2	1.5	28.5	4.3
H060110015	PLH-1000	10.0	47	370	360	630	195	108	54	87	10.0	3	1.5	45.0	6.5
H060115015	PLH-1500	15.0	44	566	360	840	195	108	59	81	10.0	5	1.5	112.0	10.9
H060120015	PLH-2000	20.0	49	470	360	1050	250	160	81	110	10.0	6	1.5	156.0	13.0



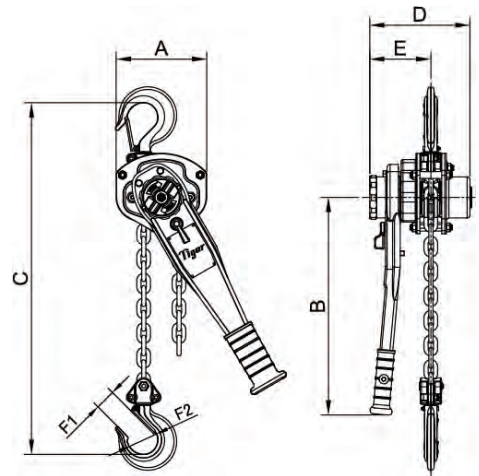


# Lever Hoists

## SS11 Subsea Lever Hoist

- Range from 0.8t to 20t
- Patented Quad Cam Pawl System
- Double switch brake mechanism
- One piece construction pinion gear
- Marine specific friction discs
- Fully corrosion protected body and components
- Adaptable to use both inverted and horizontally
- Brake chamber protection from outside contamination

Product Code	Model	Capacity (t)	Effort (kg)	Dimensions (mm)							Load Chain		Std HOL (m)	Weight at Std HOL (kg)	Weight for Extra Metre HOL (kg)
				A	B	C	D	E	F1	F2	Diameter (mm)	No. of Falls			
H060160815	SS-0080	0.8	23	128	243	295	158	99	28	45	6.3	1	3	9.1	0.9
H060161515	SS-0150	1.5	26	154	370	320	172	104	34	51	7.1	1	3	12.6	1.1
H060163015	SS-0300	3.0	38	182	370	400	195	108	36	56	10.0	1	3	22.0	2.2
H060166015	SS-0600	6.0	40	242	370	570	195	108	49	70	10.0	2	3	34.5	4.3
H060170015	SS-1000	10.0	47	379	370	630	195	108	54	87	10.0	3	3	55.0	6.5
H060175015	SS-1500	15.0	44	566	370	840	195	108	59	81	10.0	5	3	128.0	10.9
H060180015	SS-2000	20.0	49	470	370	1050	250	160	81	110	10.0	6	3	174.0	13.0





# Electric Chain Hoists

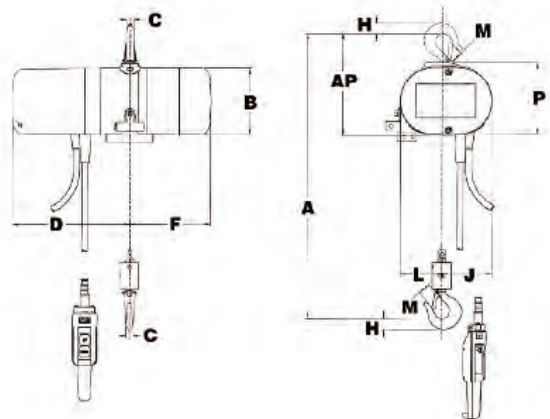
## CM Lodestar Electric Chain Hoists

The Lodestar hoist is a tough and durable electric chain hoist, designed to keep working in the most arduous applications. This hoist is recognised and proven within the hire industry as the number one hoist, where high duty, combined with long heights of lift are required.

- Range from 0.25t to 3t
- Adjustable upper and lower limit switches
- 48V control, IP65 pendant as standard
- Thermal overload protection as standard

Product Code	Model	Operating Voltage	Capacity (WLL) (kg)	No. of Falls of Load Chain	Lifting Speed(s) (m/min)	Weight at Std HOL (kg)	Weight for Extra Metre HOL (kg)
H010200021	G	230V or 110V 1ph 50Hz	250	1	8	29.0	0.8
H010200051	F	230V or 110V 1ph 50Hz	500	1	4	29.0	0.8
H010200051	J	230V or 110V 1ph 50Hz	500	1	8	51.0	1.4
H010200103	L	230V or 110V 1ph 50Hz	1,000	1	4	52.0	1.4
H010200103	LL	400V 3ph 50Hz	1,000	1	8	52.0	1.4
H010200103	LL2	400V 3ph 50Hz	1,000	1	8/2.5	53.0	1.4
H010200203	R	230V or 110V 1ph 50Hz	2,000	2	2	58.0	2.8
H010200203	RR	400V 3ph 50Hz	2,000	2	4	58.0	2.8
H010200203	RR2	400V 3ph 50Hz	2,000	2	4/1.3	59.0	2.8
H010200303	RT	230V or 110V 1ph 50Hz	3,000	3	1.33	64.0	4.2

Model	A (mm)	B (mm)	C (mm)	D (mm)	F (mm)	H (mm)	J (mm)	L (mm)	M (mm)	P (mm)	AP (mm)
Lodestar 250/500	413	156	17	279	197	25	100	122	25	168	235
Lodestar 500/1000	471	194	22	241	271	30	138	184	28	198	271
Lodestar 2000	613	194	28	241	271	38	165	157	33	198	284
Lodestar 3000	750	194	28	241	271	38	165	157	33	198	319





## Electric Chain Hoists

### Yale CPE Electric Chain Hoists (3 Phase)

The CPE series is a range of high quality hoists for professional applications. They are highly efficient and engineered for a long working life. The hoists are composed of three main component parts which makes service easy and inexpensive.

- Range from 1.6t to 10t

Product Code	Model	Capacity (t)	Classification FEM/ISO	Lifting Speed Main Lift m/min	Lifting Speed Fine Lift m/min	Hoist Motor (kW)	Weight at Std HOL (kg)
H010251603	CPE 16-8	1.6	1 Am/M4	8	–	2.3	88.0
H010251603	CPEF 16-8	1.6	1 Am/M4	8	2	2.3/0.58	93.0
H010252003	CPE 20-8	2	1 Bm/M3	8	–	2.8	88.0
H010252003	CPEF 20-8	2	1 Bm/M3	8	2	2.8/0.7	93.0
H010252503	CPE 25-5	2.5	1 Am/M4	5	–	2.3	88.0
H010252503	CPEF 25-5	2.5	1 Am/M4	5	1.25	2.3/0.58	93.0
H010253003	CPE 30-5	3	1 Bm/M3	5	–	2.8	88.0
H010253003	CPEF 30-5	3	1 Bm/M3	5	1.25	2.8/0.7	93.0
H010253203	CPE 32-4	3.2	1 Am/M4	4	–	2.3	107.0
H010253203	CPEF 32-4	3.2	1 Am/M4	4	1	2.3/0.58	112.0
H010254003	CPE 40-4	4	1 Bm/M3	4	–	2.8	107.0
H010254003	CPEF 40-4	4	1 Bm/M3	4	1	2.8/0.7	112.0
H010255003	CPE 50-2	5	1 Am/M4	2.5	–	2.3	107.0
H010255003	CPEF 50-2	5	1 Am/M4	2.5	0.6	2.3/0.58	112.0
H010260003	CPE 100-2	10	1 Am/M4	2.5	–	2 x 2.3	282.0
H010260003	CPEF 100-2	10	1 Am/M4	2.5	0.6	2 x 2.3/0.58	287.0

Full dimension data sheet available on request



# Electric Chain Hoists

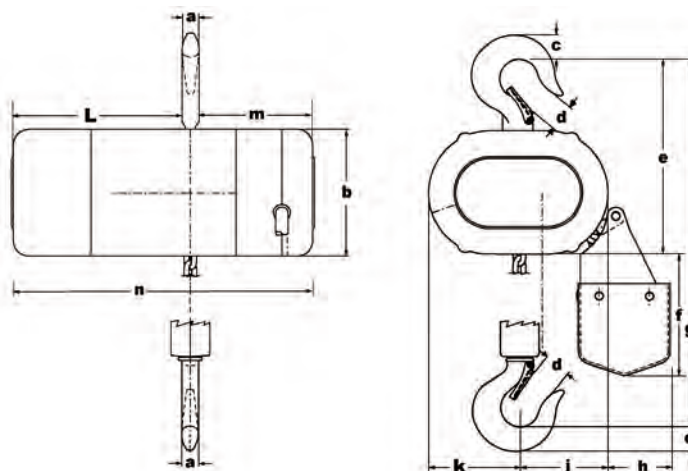
## Yale CPS Electric Chain Hoists

The CPS electric chain hoist lifts loads up to 0.25t - yet weighs from only 12kg. With an M4 high duty rating, the rugged CPS electric chain hoist keeps lifting and lifting - up to 240 motor starts per hour.

- Easy to install and maintain
- Ideal for jib and light crane systems
- Built to the highest standards
- Reliable

Product Code	Model	Capacity (WLL) (kg)	Supply	Lifting Speed (m/min)	ED Duty %	Weight (kg)
H010212503	CPS 110/1-4	125	110V 1ph 50Hz	4 mpm	40	12.0
H010212503	CPS 230/1-4	125	230V 1ph 50Hz	4 mpm	40	12.0
H010212503	CPS 400/1-4	125	400V 3ph 50Hz	4 mpm	40	12.0
H010212503	CPS 400/1-10	125	400V 3ph 50Hz	10 mpm	40	12.0
H010225003	CPS 110/2-2	250	110V 1ph 50Hz	2 mpm	40	14.0
H010225003	CPS 230/2-2	250	230V 1ph 50Hz	2 mpm	40	14.0
H010225003	CPS 400/2-2	250	400V 3ph 50Hz	2 mpm	40	14.0
H010225003	CPS 400/2-5	250	400V 3ph 50Hz	5 mpm	40	14.0

Rated Capacity (kg)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	J (mm)	K (mm)	L (mm)	M (mm)	N (mm)
125	14	103	21	21	159	98	276	53	75	76	225	150	375
250	14	103	21	21	159	98	304	53	60	89	225	150	375





# Air Chain Hoists

## PROFI 025TI – 20TI

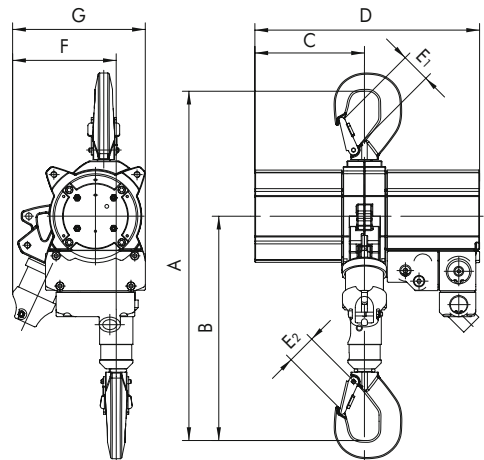
JDN Air Hoists PROFI Series are very robust and therefore suitable for tough applications even in continuous working processes. According to your requirements there are various control systems available. For traversing loads different trolley designs meet your particular demands.

- Sensitive infinitely variable speed control for the precise positioning of loads
- Load chain and hooks manufactured from high quality steels

## PROFI 025TI – 2TI

Product Code		H010400002		H010400005		H010400010		H010400020	
Type		025 TI		05 TI		1 TI		2 TI	
Capacity	(t)	0.16	0.25	0.32	0.5	0.63	1	1.25	2
Air Pressure	(PSI) (bar)	65 4	85 6	65 4	85 6	65 4	85 6	65 4	85 6
Number of Chain Strands	-	1		1		1		1	
Motor Output	(kW)	0.6	1.0	0.6	1.0	0.6	1.0	0.6	1.0
Lifting Speed at Full Load	(ft/min) (m/min)	65.6 20	65.6 20	32.8 10	36.1 11	16.4 5	18 5.5	8.2 2.5	8.9 2.7
Lifting Speed without Load	(ft/min) m/min	123 37.5	137.8 42	52.5 16	62.3 19	32.8 10	36.1 11	16.4 5	18 5.5
Lowering Speed at Full Load	(ft/min) (m/min)	124.7 38	124.7 38	55.8 17	55.8 17	32.8 10	36.1 11	16.4 5	18 5.5
Air Consumption at Full Load – Lifting	(cfm) (m <sup>3</sup> /min)	24.7 0.7	42.4 1.2	24.7 0.7	42.4 1.2	24.7 0.7	42.4 1.2	24.7 0.7	42.4 1.2
Air Consumption at Full Load – Lowering	(cfm) (m <sup>3</sup> /min)	28.3 0.8	53 1.5	28.3 0.8	53 1.5	28.3 0.8	53 1.5	28.3 0.8	53 1.5
Air Connection	-	G 1/2		G 1/2		G 1/2		G 1/2	
Hose Dimension (inside)	(mm)	13		13		13		13	
Chain Dimension	(mm)	7 x 21		7 x 21		7 x 21		7 x 21	
Standard Lift	(m)	3		3		3		3	
Length of Control at Standard Lift	(m)	2		2		2		2	
Noise Level at Full Load – Lifting	(dB(A))	73	74	74	75	74	76	74	76
Noise Level at Full Load – Lowering	(dB(A))	77	78	77	78	77	78	77	78
Weight with Standard Lift, Rope Control	(kg)	27	27	27	27	27.5	28	34	34
Weight of Chain	(kg/m)	1.0		1.0		1.0		1.0	

Type		025 TI	05 TI	1 TI	2 TI
A min. headroom	(mm)	450	450	450	498
B	(mm)	288	288	288	336
C	(mm)	145	145	145	145
D	(mm)	297	297	297	297
E <sup>1</sup>	(mm)	28	28	28	28
E <sup>2</sup>	(mm)	28	28	28	28
F up to Hook Centre	(mm)	137	137	137	137
G Maximum Width	(mm)	176	176	176	183

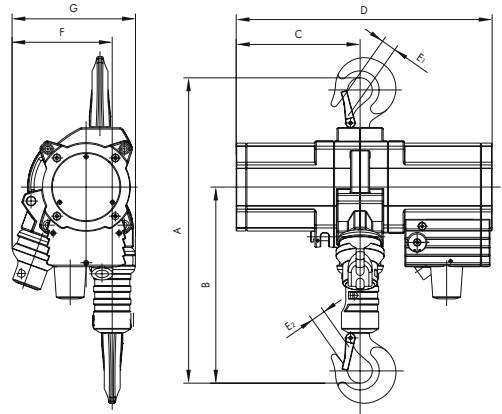




## PROFI 3TI – 20TI

Product Code	H010400030		H010400065		H010400100		H010400160		H010400200		
Type	3 TI		6 TI		10 TI		16 TI		20 TI		
Capacity	(t) 3.2		6.3		10		16		20		
Air Pressure	(PSI) (bar)	65 4	85 6	65 4	85 6	65 4	85 6	65 4	85 6	65 4	85 6
Number of Chain Strands	-	1		2		2		3		4	
Motor Output	(kW)	1.8	3.5	1.8	3.5	1.8	3.5	1.8	3.5	1.8	3.5
Lifting Speed at Full Load	(ft/min) (m/min)	8.2 2.5	16.4 5	3.9 1.2	8.2 2.5	2.6 0.8	5.2 1.6	1.6 0.5	3.3 1	1.3 0.4	2.3 0.7
Lifting Speed without Load	(ft/min) (m/min)	19.7 6	32.8 10	9.8 3	16.4 5	6.6 2	10.5 3.2	4.3 1.3	6.6 2	3.3 1	4.6 1.4
Lowering Speed at Full Load	(ft/min) (m/min)	24.6 7.5	35.4 10.8	11.8 3.6	17.7 5.4	8.2 2.5	11.2 3.4	5.3 1.6	6.9 2.1	3.9 1.2	5.3 1.6
Air Consumption at Full Load – Lifting	(cfm) (m <sup>3</sup> /min)	71 2	142 4	71 2	142 4	71 2	142 4	71 2	142 4	71 2	142 4
Air Consumption at Full Load – Lowering	(cfm) (m <sup>3</sup> /min)	124 3.5	195 5.5	124 3.5	195 5.5	124 3.5	195 5.5	124 3.5	195 5.5	124 3.5	195 5.5
Air Connection	-	G 3/4		G 3/4		G 3/4		G 3/4		G 3/4	
Hose Dimension (inside)	(mm)	19		19		19		19		19	
Chain Dimension	(mm)	13 x 36		13 x 36		16 x 45		16 x 45		16 x 45	
Standard Lift	(m)	3		3		3		3		3	
Length of Control at Standard Lift	(m)	2		2		2		2		2	
Noise Level at Full Load <sup>1</sup> – Lifting	(dB(A))	74	78	74	78	74	78	74	78	74	78
Noise Level at Full Load <sup>1</sup> – Lowering	(dB(A))	79	80	79	80	79	80	79	80	79	80
Weight with Standard Lift Rope Control	(kg)	86		110		156		240		285	
Weight of Chain	(kg/m)	3.8		3.8		5.8		5.8		5.8	

Type		3 TI	6 TI	10 TI	16 TI	20 TI
A min. headroom	(mm)	593	674	813	898	1030
B	(mm)	373	454	548	598	670
C	(mm)	233	233	308	382	382
D	(mm)	483	483	575	692	692
E <sup>1</sup>	(mm)	40	40	44	53	70
E <sup>2</sup>	(mm)	30	40	44	53	70
F up to Hook Centre	(mm)	187	154	197	199	180
G Maximum Width	(mm)	233	233	306	308	315





## Air Chain Hoists

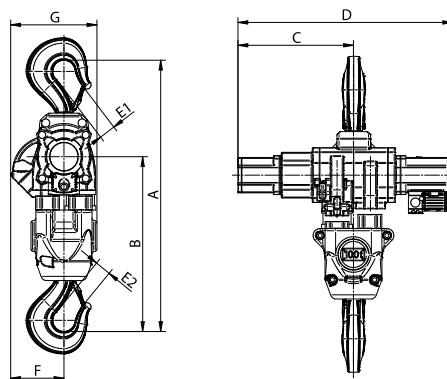
### PROFI 25TI – 100TI

JDN Air Hoists PROFI Series are very robust and therefore suitable for tough applications even in continuous working processes. According to your requirements there are various control systems available. For traversing loads different trolley designs meet your particular demands.

- Sensitive infinitely variable speed control for the precise positioning of loads
- Load chain and hooks manufactured from high quality steels

Product Code	H010400250	H010400300	H010400370	H010400400	H010400500	H010400600	H010400750	H010401000
Type	25 TI	30 TI	37 TI	40 TI	50 TI	60 TI	75 TI	100 TI
Capacity (t)	25	30	37.5	40	50	60	75	100
Air Pressure (PSI) (bar)	85 6							
Number of Chain Strands	2	2	3	3	4	4	3	4
Lifting Speed at Full Load (m/min)	0.75 1.25	0.6 1	0.45 0.75	0.4 0.7	0.3 0.55	0.25 0.45	0.53	0.4
Lifting Speed without Load (m/min)	2.4	2.4	1.7	1.7	1.3	1.3	1.33	1
Lowering Speed at Full Load (m/min)	1.4 2.8	1.4 2.8	1 2	1 2	0.9 1.6	0.9 1.6	1.25	0.95
Air Consumption at Full Load – Lifting (m <sup>3</sup> /min)	6.5						7.6	
Air Consumption at Full Load – Lowering (m <sup>3</sup> /min)	2.9						6	
Air Connection	G 1 1/2							
Hose Dimension (inside) (mm)	35							
Weight with Standard 3m Lift Rope Control (kg)	550	550	850	850	940	940	1800	2000
Chain Dimension (mm)	23.5 x 66						32 x 90	
Weight of Chain (kg/m)	12.2						21.3	

Type	25 TI	30 TI	37 TI	40 TI	50 TI	60 TI	75 TI	100 TI
A min. headroom (mm)	1260	1260	1470	1470	1485	1485	1930	1930
B (mm)	827	827	935	935	950	950	1250	1250
C (mm)	450	450	540	540	540	540	825	825
D (mm)	900	900	1080	1080	1080	1080	1535	1535
E1 (mm)	70	70	100	100	100	100	120	120
E2 (mm)	70	70	100	100	100	100	120	120
F up to Hook Centre (mm)	270	270	285	285	250	250	405	365
G Maximum Width (mm)	445	445	450	450	430	430	600	600





## Accessories & Controls

### Carrying capacities up to 20t

- As manual trolleys (LN) for pushing or pulling the trolleys by hand
- As reel chain trolleys (LH) for moving the trolleys by unwinding the reel chain
- As motorised trolleys (LM) powered by an air motor

### Standard Features

- Easy to install with anti-climb and anti-drop devices
- Robust and with little maintenance
- Able to negotiate curves



### Rope Control

Universally applicable for any control length. This control enables sensitive starting and stopping. Lifting and lowering speeds are infinitely variable. The rope control is available for all PROFI hoists up to 25t carrying capacity. The PROFI 37 TI, 50 TI and 100 TI are fitted with a pull chain instead of a cord.



### E-Control

Low Maintenance, corrosion-proof:

The very robust brass construction distinguishes the E-type pendant control valve. Low weight and ergonomic design ensure ease of handling. Only available in single speed control version.



### F-Control

Available for multi-function use. The F-control consists of unbreakable synthetic material resistant to ambient influences. The ergonomically designed housing enables good handling. Up to 18 different control functions can be integrated as for example key switch, double stage travelling speed or simultaneous control of several motors. As a special extra the F-control can also be delivered with infinitely variable control of hoisting and travelling speeds.



### Air Line Filter Lubricator

Built-in to a steel frame to improve protection, the filter lubricator is an essential component to ensure that the air hoist runs efficiently and without issue.



## Site Hoists

### Scaffold Hoist

- Simple and quick to erect
- Rapid hoisting speed at full load
- Work positioning lever
- Scaffold fixing attachment included
- Lifting buckets and cages available

Product Code	Model	Maximum Capacity (kg)	Average Full Load Lifting Speed (m/min)	Maximum Working Height (m)	Diameter of Steel Wire Rope (mm)	Rope Length (m)	Motor Power Rate (kW)	Motor Speed (rpm)	Running Current (A)	Machine Weight (kg)	SPL in Operator's Position (dB(A))	Dimensions (W/L closed (open) /H) (mm)	Packaging Dimensions W/L/H (mm)
H010300200	TR225N	200	19	30	5	30	0.75 (230V/50Hz) (110V/50Hz)	1360 /1380	14/7.2	44/46	<70	330 / 770 (1170) / 520	350 / 820 / 500



### Builder's Gantry Hoists & Monorail Beams

- Frame with built-in 4 wheel trolley to traverse the hoist
- Positioning brake
- Top limit switch
- Lifting hook secured by self locking clamp
- Rear mounted bracket boxes, each require 50% of the maximum rated load capacity of the hoist
- Separate Monorail Beam also available with scaffold suspension fittings (Capacity 500kg) – Product code: H010510005

Product Code	Model	Maximum Capacity (kg)	Average Full Load Lifting Speed (m/min)	Maximum Working Height (m)	Diameter of Steel Wire Rope (mm)	Rope Length (m)	Motor Power Rate (kW)	Motor Speed (rpm)	Running Current (A)	Machine Weight (kg)	SPL in Operator's Position (dB(A))	Dimensions (W/L/H) (mm)	Packaging Dimensions W/L/H (mm)
H580200300	ET300	300	19	30	5	31	1.1 (110V/50Hz)	1320	18 (110V)	50	<75	330 / 780 / 380	350 / 820 / 440
H580200500	G500	500	17	4	6	43	1.5 (110V/50Hz)	1320	23	50	<72	382 / 800 / 410	400 / 820 / 440

### Accessories



Two Bucket Carrier



Four Bucket Carrier



Wedge Shaped Bucket



Liftable Wheelbarrow



External Prop & Ballast Box





# Minifor Hoists

**Portable Electric Hoists with unlimited lifting height**

## High Performance - Sturdy

- Excellent weight - power ratio
- Aluminium alloy housing
- Unlimited length of lifting wire rope

## Safety

- Adjustable upper and lower stops
- Brake incorporated in motor
- Wire Rope 6.5mm available in increments of 20m to 100m

Product Code	Model	WLL		Speed		Dimensions (mm)													Weight (kg)
		Direct (kg)	Sheaved (kg)	Direct (m/min)	Sheaved (m/min)	A	B	C	D	E	F	G	H	I	J	K	L	M	
H010600030	TR30S	300	600	13	6.5	430	20	212	642	224	181	90	20	20	347	492	302	15	31
H010600050	TR50	500	950	7	3.5	430	20	212	642	224	181	90	20	20	347	492	302	15	31

All LGH units are fitted with wireless remote controls as standard



## Ropes to suit Minifor TR30S / TR50

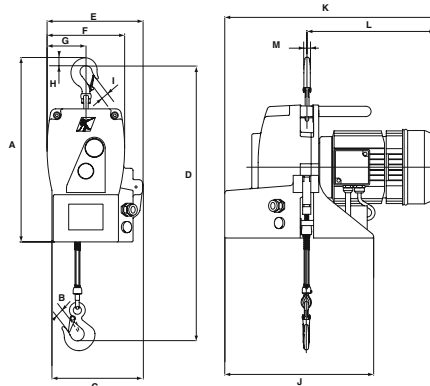
Product Code	Length (m)	Weight (kg)
H01070020	20	5
H01070040	40	9
H01070060	60	12
H01070080	80	18
H01070100	100	22

## Minifor Sheaving Kit

By using the Minifor Sheaving kit, you can increase the capacity of the unit by 100%. Remember to double your rope length when using this arrangement.



Product Code	Model	Maximum Capacity (kg)
H010610000	TR125	950

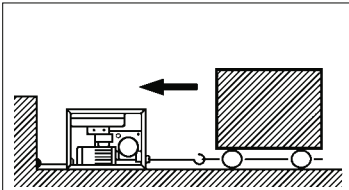




# Tirak Universal Hoist

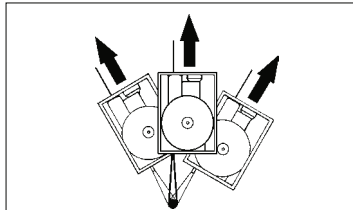
- Range from 500kg to 3000kg
- Traction hoist for unlimited length of rope
- No reductions in working load limits or drive torque at increasing heights of lift
- 100% duty factor (80% in 110V)
- Industry standard for elevator installations, building maintenance units and wind turbines
- Harsh environment protection
- Fitment can be directly to the load or mounted within a frame
- Suitable for man-riding operation

## To Anchor the Frame



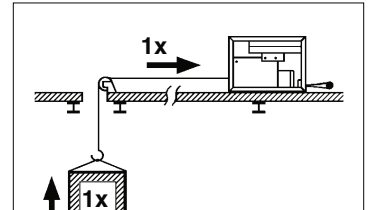
To anchor the frame: simply attach the TIRAK mobile winch to a suitable anchor point using a rope sling, chain or similar attachment.

## Orientation



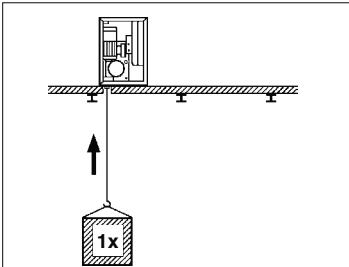
The TIRAK mobile winch automatically turns in the direction of pull. Unlike a conventional drum winch, the direction of line pull is always the same because of the fixed rope position design of the TIRAK. Moreover, with the TIRAK mobile winch, the capacity and speed remains constant at all times.

## Lifting a Load



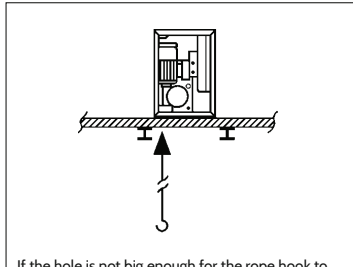
To lift: anchor the TIRAK mobile winch to a suitable point and pass the wire rope around one or more return pulleys.

## Direct Lifting or Pulling



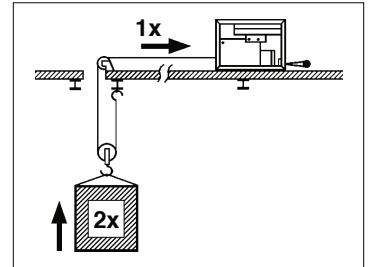
If the pull is through an opening in the wall or ceiling capable of taking the load, simply site the winch by or above the hole.

## Positioning



If the hole is not big enough for the rope hook to pass through, position the TIRAK mobile winch and pass the wire rope through the hole and then into the TIRAK.

## Lifting and Sheave Blocks



If the effective power is not enough increase the capacity using a set of multiple sheave blocks.



## Tirak Universal Hoist

### Tirak X Series Hoist 3 Phase 400v

- Suitable for man-riding (P-Suffix models only)
- Blocstops and secondary ropes available
- Man-riding pulleys (EN1808)
- 100% Duty Factor
- Rope diameters are bespoke to the size of Tirak machine – lengths available from 20m to 200m

Product Code	Model	Capacity (kg)	Lifting Speed (m/min)	Rope Dia. (mm)	Weight (kg)
H220410500	X500P	500	9	8.3	41.0
H220411030	X1030P	980	9	10.2	45.0
H220412050	X2050P	2000	6	14	100.0
H220423050	X3050M	3000	6	14	105.0



### Blocstop BSO

- Fall arrest secondary safety device
- Functions as a secondary back-up brake to control the speed of descent
- Mounts to either the primary or secondary suspension rope

Product Code	Model	For Rope Dia. (mm)	Capacity (kg)	Weight (kg)
H220480500	BSO500	8.3	500	4.6
H220481000	BSO1030	10.3	1000	6.4
H220482000	BSO250	14	2000	13.5



### Man-Riding Pulleys EP/EPA

- Conforms to EN 1808 standards for man-riding
- Brand new casing added which works as a limit detection stop as well as a finger protection system
- New casing allows the pulley to be easily opened to fit the wire rope

Product Code	Model	WLL (t)	Bottom of Groove Dia. (mm)	Weight (kg)	Driven Cable Dia. (mm)
H220491016	EPE1.6	1.6	171	3.7	8.3
H220491024	EPE2.4	2.4	196	6.4	10.3
H220491048	EPE4.8	4.8	177.4	14.8	14.0



# Aluminium Gantries

## PORTA-GANTRY - 0.5t to 5t

- Lightweight, portable and safe, the innovative and unique PORTA-GANTRY lifting system range is designed for easy transport, rapid assembly and safe use
- The world's first WLL 5t capacity portable gantry. A range of Lift Height options and beam lengths are available
- Wind up jacking legs available for use on uneven ground

### Assembled PORTA-GANTRY dimensions (see diagram opposite)

WLL (kg)	Frame size	Dmax	E	Dmin	F	Hmax	Hmin	G	A-Frame Weight (kg)	Trolley Roller Size (mm)	Castor Dia. (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 2000	S	2355	5 x 150	1605	2675	2757	2007	1212	38	82	150
	M	2851	5 x 150	2101	3171	3253	2503	1429	40	82	150
	I	3188	5 x 200	2188	3499	3581	2581	1726	46	82	200
	T	4079	6 x 200	2879	4399	4481	3281	2011	51	82	200
	TC4	4527	6 x 200	3327	4847	4930	3730	2234	80	82	200
	TC3	5027	6 x 200	3827	5347	5430	4230	2557	82	82	200
	TC2	5527	8 x 200	3927	5848	5930	4330	2733	87	82	200
	TC1	5829	9 x 200	4029	6149	6231	4431	2733	95	82	200
3000	S	2410	5 x 150	1660	2730	2812	2062	1212	55	82	200
	M	2906	5 x 150	2156	3226	3308	2558	1429	60	82	200
	I	3188	5 x 200	2188	3499	3581	2581	1726	70	82	200
	T	4079	6 x 200	2879	4399	4481	3281	2011	82	82	200
	TC4	4527	6 x 200	3327	4847	4930	3730	2234	80	82	200
	TC3	5027	6 x 200	3827	5347	5430	4230	2557	82	82	200
	TC2	5527	8 x 200	3927	5848	5930	4330	2733	87	82	200
5000	I	3181	5 x 200	2181	3592	3717	2717	1736	97*	125	200
	T	4049	6 x 200	2849	4487	4612	3412	2021	106*	125	200
	TC4	4500	6 x 200	3300	4938	5062	3862	2234	85	125	200
	TC3	5000	6 x 200	3800	5438	5562	4362	2557	90	125	200
S (small) & M (medium) versions also available as custom systems											
WLL 5000kg dimensions systems are shown using the deeper 'D' section beam											

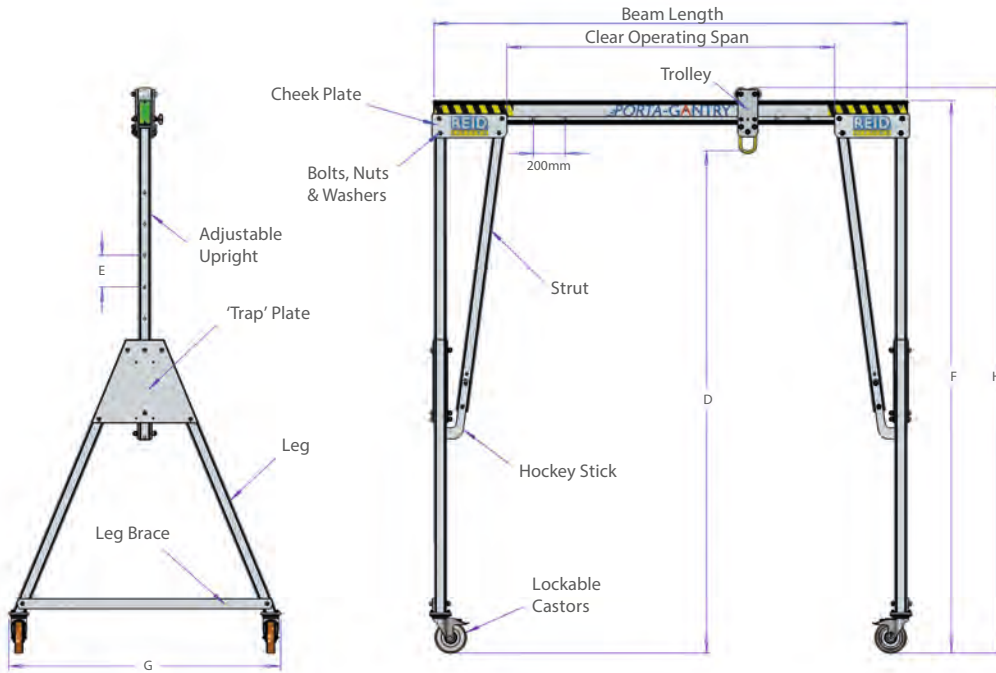
Dimensions use standard Master Link Trolley, other options available to increase resulting height of lift (HOL) and to assist with load movement. \*Weight includes stabiliser legs





### Beam Data

		Standard Beam Lengths (mm)							
		2500	3000	3920	4570	5500	6000	8400	9000
		Clear Operating Span (mm)							
WLL (kg)	500	1580	2080	3000	3650	4580	5080	7480	8080
	1000	1580	2080	3000	3650	4580	5080	7480	8080
	2000	1580	2080	3000	3650	4580	5080	7480	-
	3000	1580	2080	3000	3650	4580	5080	7480	-
	5000	1580	2080	3000	3650	4580	-	-	-



Trolley fully encapsulated for safety. Beam lengths up to 9000mm (WLL dependent).

### Trolley options



Standard Master Link



Close Coupled



Geared Master Link



Geared Trolley with Chain Hoist



Integrated Trolley with Chain Hoist



Sheaved Trolley for Winching





## Floor Cranes

### Heavy Duty Folding Engine Cranes - 0.5t to 1t

These heavy duty hydraulic engine cranes are designed to solve all your workshop lifting applications. Configurations are available in 500kg and 1000kg versions and can have a parallel or V-shaped chassis.

- A hydraulic system that can rotate for use in confined spaces
- Parking brake fitted as standard to secure the crane firmly in position
- Cantilever arm rises to 2080mm and can be extended to suit applications
- Quickly and easily folded away by one person

Product Code	Model	Chassis Type	Chassis W x L x H (mm)	Lifting Capacity Min-Max (kg)	Hook Height Min-Max (mm)	Distance Between Legs (mm)	Weight (kg)
H210105000	KLS8514	Parallel	990 x 1820 x 1680	250 - 500	770 - 2200	850	138.0
H210105001	KLS8515	"V"	990 x 1820 x 1680	250 - 500	770 - 2200	850	132.0
H210110000	KLS8516	Parallel	990 x 1820 x 1680	500 - 1000	770 - 2200	850	156.0
H210110001	KLS8517	"V"	990 x 1820 x 1680	500 - 1000	770 - 2200	850	150.0



### Counterbalanced Floor Cranes - 1t, 1.5t & 2t

- No forward leg restriction as with a standard unit
- Three position telescopic jib fitted to all models
- Swivel castors located on end enabling the unit to turn on the spot
- All models fitted with pressure relief valve to prevent overload
- 100% ballast must be applied to attain full rate capacity
- Varying capacity ratings dependent on jib extension and inclination

Product Code	Model	Chassis Type	Chassis L x W x H (mm)	Lifting Capacity Min-Max (kg)	Hook Height Min-Max (mm)	Jib Maximum Reach (mm)	Counterbalance Weight (kg)	Weight (kg)
H210120010	CTC1000	Counterbalance	640 x 1470 x 1850	500 - 1000	420 - 2730	1310	900	265.0
H210120015	CTC1500	Counterbalance	640 x 2500 x 1850	1000 - 1500	420 - 2730	1310	900	280.0
H210120020	CTC2000	Counterbalance	640 x 2500 x 1850	1000 - 2000	420 - 2730	1310	900	300.0



### Mini Floor Crane

- Max Capacity 900kg
- Max lifting height below the hook 3050mm
- Two long outriggers are back-wards mounted and are fitted with two counterweights boxes containing 14 counterweights each achieves max capacity and lifting height.

NB: See Page 126 for Load Chart

Product code	Model	Transport Position			Working Position			Loading Height Min. (mm)	Boom Extension each Position (mm)	Boom Length Max (mm)	Weight of chassis inc Boom (kg)
		Height (mm)	Length (mm)	Width (mm)	Height (mm)	Length (mm)	Width (mm)				
H210130750	MFC750/K	1000 - 1920	1200	650	1920	1800	680	850	120	1200	160



# 43

## Pulling

- 44 Tirfor Machines, Ropes & Accessories
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- 48 Cable Pulling Winch
- 49 Cable Drum Jacks & Accessories
- 50 Hydra-Slide
- 52 Skates & Load Moving Systems

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# Tirfor Machines, Ropes & Accessories

## Tirfor TU Heavy Duty Series (manually operated)



- For lifting, pulling and positioning heavy loads
- Unrivalled in terms of durability and sturdiness
- Extra shear pins in handle
- Rope sold separately
- T5 medium duty machines also available

Product Code	Model	WLL (kg)	Maxiflex Rope Dia. (mm)	Rope Breaking Strain (kg)	Machine Weight (kg)	(20m) Rope Weight (kg)
H220110008	TU8	800	8.3	5500	8.4	6.1
H220110016	TU16	1600	11.5	9200	20.0	13.1
H220110032	TU32	3200	16.3	18,400	27.0	23.0



## Maxiflex Wire Ropes

- Maxiflex ropes have been specifically designed to suit Tirfor products
- The rope is manufactured to extremely high tolerances which are necessary for the reliable operation of the product mechanism inside the machine, especially when lowering under load
- Using Maxiflex Ropes is part of the certification of the machine

Maxiflex Wire Rope	TU-8 / T508 Fitted with Hook 8.3 Dia. (mm)	TU-16 / T516 Fitted with Hook 11.5 Dia. (mm)	TU-32 / T532 Fitted with Shackle 16.3 Dia. (mm)
Length (m)	Product Code	Product Code	Product Code
20	H220800820	H220811620	H220823220
40	H220800840	H220811640	H220823240
60	H220800860	H220811660	H220823260
80	H220800880	H220811680	H220823280
100	H220800900	H220811700	H220823300

## Other lengths available on request

Up to 80m - 5 strand rope. Above 80m - 6 strand rope.

All Tirfor machines are supplied fully tested and certified in accordance with the statutory regulations. The TU16H and TU32H Tirfor machines must not be used for man-riding applications.

## Accessories



Coni Clamp



Ground Anchor



Drum Reeler

# Hydraulic Tirfor

## Tirfor TU16H / TU32H (hydraulically operated)



- Electric or Petrol Power Pack for operating 1, 2, or 4 units

Model	Capacity (kg)	Length (mm)	Height (mm)	Thickness (mm)	Rope Dia. (mm)
TU16H	1600	788	360	185	11.5
TU32H	3200	1070	430	204	16.5

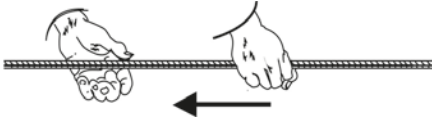
Model	Forward Operation m/min			Reverse Operation m/min			Hydraulic Power Pack			
	1 way	2 way	4 way	1 way	2 way	4 way	Weight (kg)			Dimension (mm)
							1 way	2 way	4 way	WxLxH
TU16H	2	1.5	0.75	2.3	2	1	43.5	44.1	45.1	460x550x500
TU32H	0.7	0.35	0.17	1.6	0.8	0.4	43.5	44.1	45.1	460x550x500

Product Code	1600kg Systems
	Description
H220310016	Tirfor TU16H fitted with a bracket WLL for lifting 1600kg
H220390001	VA2 self reciprocating hydraulic ram
H220380001	3m hydraulic hose 10mm ø, with female couplings
H220380002	3m hydraulic hose 10mm ø, with male couplings
H220210400	3 phase electric motor power pack
H220220000	Petrol driven power pack

Product Code	3200kg Systems
	Description
H220310032	Tirfor TU32H fitted with a bracket WLL for lifting 3200kg
H220390000	VA3 self reciprocating hydraulic ram
H220380001	3m hydraulic hose 10mm ø, with female couplings
H220380002	3m hydraulic hose 10mm ø, with male couplings
H220210400	3 phase electric motor power pack
H220220000	Petrol driven power pack

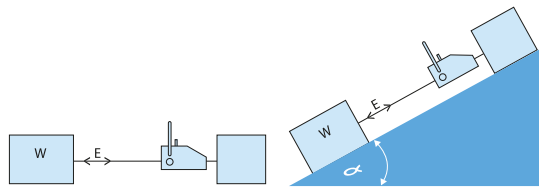
# The Tirfor Principle

## A Tirfor has neither wheels nor gears



- Two jaws alternately pull the wire rope and the load in the required direction, just like pulling on a rope with both hands
- The jaws are self clamping, providing immediate and gradual safety
- The heavier the load, the tighter they clamp
- A release mechanism allows the wire rope to be inserted between the jaws

Mathematical method of calculating the effort required to move a given load



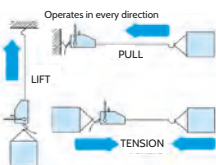
Where	E	Is the effort required to pull a load lying on the ground
	W	Is the weight of the load
	$\mu$	Is the friction between load and ground which depends upon the area of contact of the load with the ground (presence of wheels, rollers, sand, mud concrete, etc...) is the angle of the slope

The value of U the coefficient of friction, must be known or estimated. Here are some general values of this coefficient.

Steel on steel	0.4-0.6	Iron on stone	0.3-0.7
Leather on metal	0.6	Continuously lubricated surfaces	0.15
Wood on stone	0.4	Load on wheels	0.02-0.05

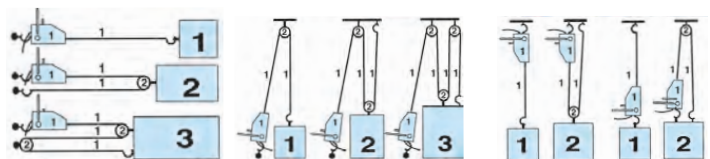
### Multifunction:

- Work can be performed in any position; horizontal, vertical or at an angle
- There is no limit to the length of wire rope
- The capacity can be increased



### Safe and Reliable

- Constant control of the load during lifting and lowering with accuracy
- When stationary the load is automatically distributed between the two jaw units
- Overload safety device



### Increased Capacity:

- Using the sheave block technique, the capacity of the Tirfor can be increased by a factor of 2, 3, 4 or more by sheaving (see diagrams)
- The figures given must be multiplied by the nominal capacity of the device
- When calculating the working load limit, include a loss of around 4% per sheave, due to the friction of the sheaves

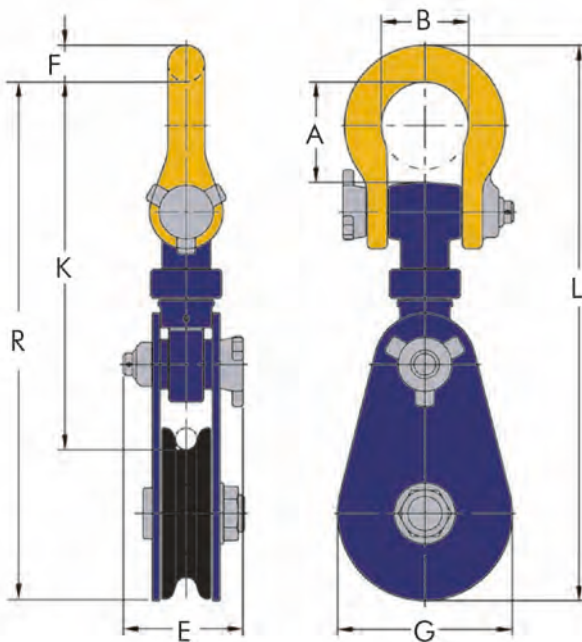


# Wire Rope Blocks

## Snatch Block with Captive Shackle

- Snatch blocks are supplied with bronze brushings and grease fittings for ease of use and extended shelf life
- Manufactured with the highest tensile steel for improved performance
- Sheave sizes from 76mm Dia. (8-10mm rope) to 305mm (25-29mm rope)
- Available in sizes 2 – 20 tonnes

Product Code	WLL (t)	Sheave Dia. (mm)	Wire Rope Size (mm)	Dimensions (mm)								Weight (kg)
				A	B	E	F	G	K	L	R	
H320810302	2	76	8-10	35	30	64	11	75	150	228	217	3.8
H320810404	4	114	10-13	64	50	79	19	107	243	356	336	6.2
H320810608	8	152	16-19	87	76	104	32	152	320	484	452	13.2
H320810808	8	203	16-19	87	76	104	32	220	333	558	526	18.2
H320810612	12	152	19-22	78	80	134	44	167	359	540	496	24.8
H320810815	15	203	19-22	78	80	134	44	220	355	589	545	29.6
H320811015	15	254	19-22	78	80	134	44	280	423	714	670	42.7
H320811215	15	305	19-22	78	80	134	44	330	428	770	726	52.8
H320810820	20	203	25-29	109	93	150	55	216	433	671	616	41.6
H320811020	20	254	25-29	109	93	150	55	280	481	778	723	52.4
H320811220	20	305	25-29	109	93	150	55	330	485	883	778	62.8



PULLING





# Cable Pulling Winch

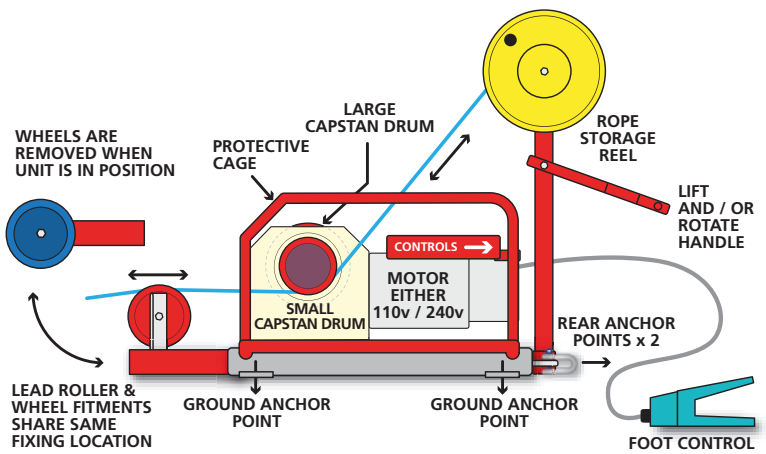
## Cable Puller

The Cable Puller provides the perfect solution for installing long or heavy lengths of cable in difficult locations. It reduces manpower hours required to meet installation deadlines.

- Dual capstan heads
- Two speed options
- Overload protection ensures automatic shut down
- Electromagnetic spring-applied fail safe brake
- Rugged high power induction motor to ensure reliability

Product Code	Model	Voltage	Cable Weight Pulling Capacity (kg)		Rope Speed (m/min)		Average Total Kit Weight (kg)	Brake Type	Motor Outputs		Dimensions (LxWxH) (mm)
			Large Capstan	Small Capstan	Large Capstan	Small Capstan			Kilo-watts	Am-peres	
H240399991	AC2500a	110V 1ph	1500	2500	4	2.5	80	Electromagnetic spring applied failsafe	0.6kW	8Amp	655 x 550 x 440
H240399992	AC2500b	240V 1ph	1500	2500	4	2.5	80	Electromagnetic spring applied failsafe	0.6kW	4Amp	655 x 550 x 440

### Cable Puller side view



NOTE: WHEELS MUST BE REMOVED WHEN MACHINE IS IN POSITION  
THIS WILL GROUND THE MACHINE SUITABLE FOR ANCHORAGE  
AND ENABLES THE LEAD ROLLER TO UTILISE THE SAME FIXINGS.



# Cable Drum Jacks & Accessories

## Screw Operation



- Easy to handle and simple to operate
- Base plate designed to give stability even on soft ground
- Cable drum spindle bars available as an optional extra

Product Code	Model	Spindle Bar		Capacity/Pair (t)	Min Drum Dia. (mm)	Max Drum Dia. (mm)	Base Area (mm)	Weight/Pair (kg)
		Dia. (mm)	Length (mm)					
H310710003	SJ3	50	1200	3	1060	1600	300 x 300	37.0
H310710006	SJ6	50	1800	6	1360	1900	460 x 300	45.0

PULLING

## Hydraulic Operation



- Versatile and easily adjustable within seconds to accommodate a vast range of drums
- Excellent all round stability
- Fitted with wheels to be easily moved by one person
- Cable drum spindle bars available as an optional extra

Product Code	Model	Capacity/Pair (t)	Min Drum Dia. (mm)	Max Drum Dia. (mm)	Base Area (mm)	Weight/Pair (kg)
H310720003	HJ3	3	800	2500	830 x 700	106.0
H310720006	HJ6	6	880	3000	900 x 765	118.0
H310720010	HJ10	10	1080	3500	1060 x 985	180.0

## Accessories



### Cable Roller - Heavy Duty

- Zinc plated heavy duty assembly suitable for cables up to 125mm dia.
- Steel frame fitted with large waisted steel roller running on sealed ball bearings

Product Code	Model	Height (mm)	Width (mm)	Length (mm)	Load Cap. (kg)	Weight (kg)
H310500150	HSP125	220	235	350	150	4.0



### Triple Corner Cable Roller

- Using two vertical and one horizontal steel rollers identical to HSP125 for taking the heaviest cables round difficult corners
- Robust construction for use in the most arduous conditions
- Can be linked together with stake pins to form a continuous corner roller system

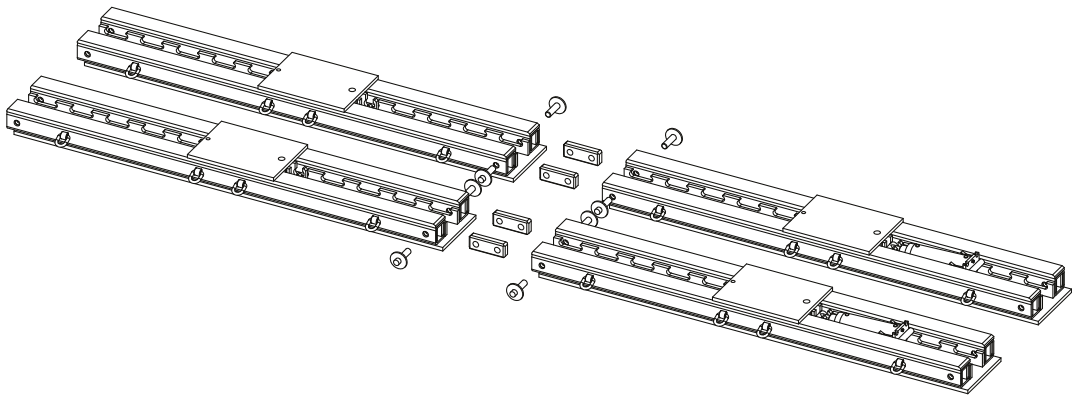
Product Code	Model	Height (mm)	Width (mm)	Length (mm)	Load Cap. (kg)	Weight (kg)
H310510075	CR4	295	230	330	75	8.0

# Hydra-Slide

## Hydraulic Skidding Systems

- The Hydra-Slide heavy duty skidding systems provide superior load moving capability for moving, loading and unloading all types of heavy loads, such as transformers, generators, compressors, pressure vessels and machines safely
- Controlled by one operator working from a remotely positioned power unit, there is no need for personnel to be close to the load during operation
- No winch lines, no holdbacks and no heavy equipment required. All of our skid systems are fully bi-directional with track sections that are designed to be easily leap-frogged to move longer distances

PULLING



SKIDDING | RIGGING | HYDRAULICS



# Hydra-Slide

## Heavy Track System Features

- A safer alternative to overhead lifting or rollers
- No come-alongs, winch lines, or hold backs required
- Fully bi-directional track
- Simple lug and pin connections
- Cylinders automatically reset into ratchet tracks
- Low profile - perfect for areas with limited space/access
- Leap Frog tracks to move longer distances
- Track will carry loads over unsupported spans
- Durable low-maintenance graphite slide surface
- Safety stop blocks included
- Can be operated with most 700 Bar double-acting pumps, but synchronous pumps are recommended

Product Code	Model	Systems Capacity (t)	Height (mm)	Width (mm)	Track Section Length (m)	Load Bearing Track	Skid Shoe Size	Max Pressure (bar)	Skidding Speed (m/hr)	Track Section Weight (kg)
H339910270	HT300	270	180	485	2 x 3.05 4 x 5.84	Yes	610mm x 420 mm	700	28	186.0 per m
H339910450	HT500	450	205	535	2 x 3.05 4 x 5.84	Yes	610mm x 460 mm	700	17	283.0 per m
H339910900	HT1000	900	205	840	2 x 3.05 4 x 5.84	Yes	790mm x 610mm	700	9	454.0 per m
H339920360	LP400	360	50	485	10 x 1.83	No	305mm x 3.7 m	700	28	59.0
H339930135	XLP150	135	30	330	12 x 1.52m	No	230mm x 3.7m	700	28	39.0

## Low Profile Systems

Hydra-Slide XLP and LP skid systems feature:

- High Capacity - Capacities range from 150t to 400t
- Low Profile - A total height of less than 2". Ideal for situations where overhead space or clearance is limited
- Hand Portable - Use minimal personnel and heavy equipment. The maximum weight of a component is 57kg
- Compact - These systems pack up conveniently in their storage box which fits into the back of a pickup truck

HT300 and HT500 skidding systems feature strong load bearing track

- Engineered - The "ratchet track" design facilitates continuous movement in either direction with automatic resetting of the push cylinders
- Low Profile - with a maximum profile of 8" these systems save jacking time and are ideal for working in spaces with limited clearance
- Rugged - The strong steel track is rigid and can carry loads over unsupported spans (distant dependent on the weight of the load)
- Customisable - We can custom build track sections in various lengths to suit any application. Standard track lengths are 10", 15", 19" and 20" sections. Simple lugs and pins connect the track sections - no complicated assembly required

Each system is designed and configured to meet the precise need of the job - please contact our technical team for further details and advice.





# Skates & Load Moving Systems

## Nylon Wheeled Skates

- Fitted with nylon wheels for lower rolling resistance and floor protection
- Each system comprises a steerable front section and a pair of adjustable rear trolleys
- Can be stripped down to component parts for easy transportation

Product Code	Model	Capacity of Complete System (t)	Quantity of Wheels	Size of Wheels (mm)	Turntable Dia. (mm)	Overall Height (mm)	Rear Width Adjustment (mm)	Boxed Weight Complete System (kg)
H250200010	SX10	10	16	82 x 48	180	102	252 to 1200	54.0
H250200020	SX20	20	32	82 x 48	180	102	480 to 1500	76.0
H250200030	SX30	30	48	82 x 48	180	110	720 to 1500	136.0
H250200060	S60	60	48	115 x 54	350	170	800 to 2000	302.0
H250200100	S100	100	48	150 x 65	425	210	990 to 2000	525.0



## Caterpillar Skates

Caterpillar Skates provide an economic and robust solution to many load moving and placement problems. Each set comprises:

- 4 x Skate assemblies
- 2 x Turntables
- 2 x Height equalisers
- 2 x Alignment bars
- 1 x Wheeled storage box c/w towing handle

Product Code	Model	Capacity (t)	Skate L X W (mm)	Height		Weight (kg)
				Skate (mm)	Turntable (mm)	
H250100020	SCS-20	20	205 x 102	62	41	50.0
H250100030	SCS-30	30	215 x 112	74	41	58.0
H250100060	SCS-60	60	268 x 130	92	48	92.0



## Roller Pinch Bars

Steerman's new roller pinch bar is an ideal companion to the professional load mover.

- It is a compact and lightweight design
- Easy to use and transport
- Low toe plate height, it is able to get into the tightest gaps

Product Code	Model	Capacity (kg)	Lift Height (mm)	L x W (mm)	Roller (mm)	Weight (kg)
H250600015	RPB15	1500	145	2150 x 400	75 x 55	16.5
H250600050	RPB50	5000	145	2150 x 400	70 x 54	32.0





## Jacks

### Simplex Ratchet Jack

- Equal capacity on head and toe
- Simple to operate
- Double lever sockets for ease of operation in tight areas

Product Code	Model	Capacity (t)	Stroke (in)	Handle Effort per ton (lbs)	Cap Min Height (in)	Toe Min Height (in)	Base Size (in)	Weight (kg)	Lever Length (in)	Lever Dia. (in)	Weight (kg)
H310800005	85A	5	10	32	17	1 3/4	5 x 7 3/8	13.0	36	1	3.7
H310800010	A1022	10	12	30	21 5/8	2 1/4	6 1/2 x 10 1/4	19.0	60	1 1/4	8.0



### Mechanical Rack Jacks

- Equal capacity on head and toe
- Ergonomically friendly wind up operation
- Braked safety claws fitted as standard

Product Code	Model	Capacity (t)	Minimum Head Height (mm)	Minimum Claw Height (mm)	Lift (mm)	Weight (kg)
H310900003	MRJ3	3	720	61	350	25.0
H310900005	MRJ5	5	720	62	300	26.0
H310300010	MRJ10	10	792	85	300	42.0



### Tangye Hydraclaw Jack

- Equal capacity on head and toe
- Fast operation - 5.5mm lift per stroke
- Robust construction – built with steel to withstand rough treatment

Product Code	Model	Capacity (t)	Closed Height (mm)		Stroke (mm)	Weight (kg)
			Head	Toe		
H310310005	Hydraclaw	5	325	41	178	18.0



## Jacks

### 360° Rotational Toe Jacks

- Equal capacity on head and toe
- Can be used in any position
- Lifting by means of an integral hand pump
- Pressure control valve for a longer service life of the jack
- Low claw height
- Large base plate for a high level of stability

Product Code	Model	Capacity (t)	Lift (mm)	Minimum Claw Height (mm)	Minimum Head Height (mm)	Effort Required at Full Load (daN)	Weight (kg)
H310311005	MH 50	5	205	25	368	38	25.0
H310310010	MH 100	10	230	30	420	40	35.0
H310311025	MH 250	25	215	58	505	40	109.0



### Multi-Purpose Superjacks

- Lightweight construction
- Stroke limiting device

Product Code	Model	Capacity (t)	Closed Height (mm)	Stroke (mm)	Base Length (mm)	Base Width (mm)	Weight (kg)
H310321003	JAS103	10	131	75	162	75	4.3
H310321005	JAS105	10	181	125	162	75	5.7



### Compact Jacks

- Spring assisted return piston
- Sealed hydraulic system

Product Code	Model	Capacity (t)	Closed Height (mm)	Stroke (mm)	Piston Dia. (mm)	Max Handle Height (mm)	Length (mm)	Width (mm)	Weight (kg)
H310361035	JCS10	10	76	35	38	266	240	70	4.5
H310362041	JCS20	20	102	41	51	281	257	102	5.5
H310363045	JCS30	30	112	45	60	285	281	125	8.0



### Hollow Piston Jacks

- Operates in any position
- Ideal for pulling applications

Product Code	Model	Capacity (t)	Closed Height (mm)	Stroke (mm)	Piston Dia (mm)	Max Handle Height (mm)	Centre Hole (mm)	Length (mm)	Width (mm)	Weight (kg)
H310371341	JCH13	13	95	41	51	281	25	257	102	5.5
H310372145	JCH21	21	114	45	60	285	35	281	125	8.0

# Jacks

## JAH Aluminium Jacks



- Lightweight construction
- Stroke limiting device (Positive Stop)
- Available as plain ram jack, claw jack or screwed ram and locking collar
- Range from 20t to 60t capacity
- Stroke lengths 75mm to 305mm
- Internal safety overload device

Product Code	Model	Jack Capacity (t)	Claw Capacity (t)	Stroke (mm)	Closed Height (mm)	Toe Height (mm)	Base Length (mm)	Base Width (mm)	Weight (kg)
H310332006	JAH620	20	-	152	263	-	178	121	11.0
H310332012	JAH1220	20	-	305	438	-	246	121	17.0
H310333006	JAH630	30	-	152	263	-	203	140	16.0
H310333012	JAH1230	30	-	305	451	-	273	140	24.0
H310336006	JAH660	60	-	152	293	-	251	190	28.0
H310336012	JAH1260	60	-	305	500	-	342	190	44.0
H310342006	JAH620C	20	8	152	280	67	246	121	15.0
H310342012	JAH1220C	20	8	305	456	67	246	121	23.0
H310343006	JAH630C	30	12	152	281	73	273	140	21.0
H310343012	JAH1230C	30	12	305	472	73	273	140	32.0
H310346006	JAH660C	60	24	152	327	73	342	190	44.0
H310346012	JAH1260C	60	24	305	540	73	342	190	65.0
H310352006	JAH620SR	20	-	152	289	-	178	121	13.0
H310352012	JAH1220SR	20	-	305	464	-	246	121	19.0
H310353006	JAH630SR	30	-	152	292	-	203	140	17.0
H310353012	JAH1230SR	30	-	305	479	-	273	140	25.0
H310356006	JAH660SR	60	-	152	330	-	251	190	30.0
H310356012	JAH1260SR	60	-	305	536	-	342	190	46.0



## JSS - Steel Bottle Jacks

- Low handle effort for easy operation
- Internal safety overload valve
- Screw extensions spans the gap between piston ram cap and load
- Strong rigid steel construction

Product Code	Model	Capacity (t)	Stroke (mm)	Screw Extension (mm)	Closed Height (mm)	Piston Dia. (mm)	Base Width (mm)	Base Length (mm)	Weight (kg)
H310400003	JSS35	3	135	70	195	28	100	100	3.0
H310400005	JSS55	5	135	90	200	32	110	120	4.0
H310400010	JSS106	10	174	90	243	43	115	110	7.0
H310400016	JSS166	16	178	95	255	53	130	135	10.0
H310400020	JSS207	20	190	-	280	56	150	160	15.0
H310400032	JSS327	32	190	-	285	71	165	127	22.0
H310400050	JSS507	50	195	-	300	85	190	152	32.0
H310400100	JSS1007	100	195	-	340	117	217	177	69.0



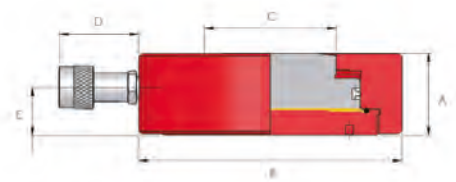
# Hydraulic Cylinders

## HVL - Single Acting Very Low Height Pancake Cylinders



- Single acting load return
- Range from 10t to 104t capacity
- Stroke length 6mm
- Working pressure 700 Bar

Product Code	Model	Capacity (t)	Stroke (mm)	Oil Cap (cm <sup>3</sup> )	Cyl Eff Area (cm <sup>2</sup> )	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	Weight (kg)
H330300100	HVL10	10	6	9	14.4	28	87	38	111	16.0	1.6
H330300200	HVL20	20	6	17	28.6	32	104	52	111	19.0	2.6
H330300320	HVL30	32	6	27	45.6	34	120	60	111	19.5	3.0
H330300500	HVL50	50	6	43	71.3	45	158	75	111	29.0	7.2
H330301040	HVL100	104	6	88	146.5	65	200	100	76	37.0	15.6



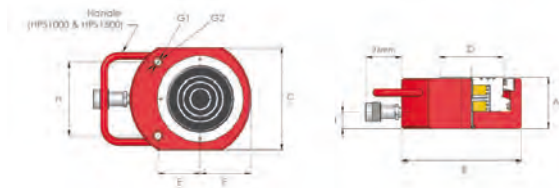
JACKING

## HPS - Single Acting Low Height Pad Cylinders



- Single acting spring assisted return
- Range from 4.5t to 147t capacity
- Stroke lengths from 6mm to 16mm
- Working pressure 700 Bar

Product Code	Model	Capacity (t)	Stroke (mm)	Oil Cap (cm <sup>3</sup> )	Cyl Eff Area (cm <sup>2</sup> )	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G1 (mm)	G2 (mm)	H (mm)	I (mm)	Weight (kg)
H330310040	HPS50	4.5	6	4	6.4	32	60	38	24	20	19	5.6	9.75	26	19	0.8
H330310041	HPS51	4.5	16	10	6.4	42	60	38	24	20	19	5.6	9.75	26	19	0.9
H330310100	HPS100	10	10	14	14.4	46	81	56	38	34	28	6.8	11.25	37	19	1.6
H330310200	HPS200	20	11	31	28.6	52	100	76	51	40	39	8.8	14.25	50	19	2.6
H330310300	HPS300	32	12	55	45.6	59	115	95	60	46	48	8.8	14.25	52	19	4.2
H330310500	HPS500	50	15	107	71.3	67	140	114	70	54	60	10.8	17.25	67	20	6.6
H330310730	HPS750	73	16	164	102.7	81	165	140	82	67	70	13	19	76	21	10.4
H330311090	HPS1000	109	16	245	153.4	91	215	180	114	75	90	12.8	19	130	29	23.2
H330311470	HPS1500	147	16	330	206.2	100	215	191	114	83	95	13	19	117	29	28.5



**Hi-Force**  
HYDRAULIC TOOLS

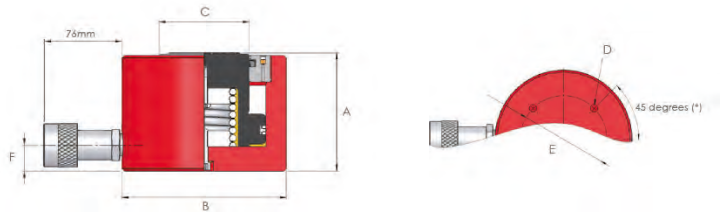
# Hydraulic Cylinders

## HLS - Single Acting Low Height Cylinders



- Spring assisted return
- Range from 10t to 147t capacity
- Stroke lengths from 25mm to 60mm
- Working pressure 700 Bar

Product Code	Model	Capacity (t)	Stroke (mm)	Oil Cap (cm <sup>3</sup> )	Cyl Eff Area (cm <sup>2</sup> )	A (mm)	B (mm)	C (mm)	D (Eyebolt)	E (mm)	F (mm)	Weight (kg)
H330320100	HLS101	10	40	58	14.4	95	70	38	M8	40	19	2.4
H330320200	HLS201	20	44	126	28.6	102	90	51	M8	60	19	4.8
H330320320	HLS301	32	25	114	45.6	83	102	60	M8	80	19	5.0
H330320321	HLS302	32	60	274	45.6	119	102	60	M8	80	19	7.0
H330320500	HLS501	50	25	178	71.3	91	127	70	M8	80	20	8.4
H330320501	HLS502	50	60	428	71.3	126	127	70	M8	80	20	10.4
H330321090	HLS1001	109	25	384	153.4	108	178	114	M12	140	30	19.8
H330321091	HLS1002	109	60	921	153.4	143	178	114	M12	140	30	24.0
H330321470	HLS1501	147	25	516	206.2	130	216	114	M12	165	41	37.0
H330321471	HLS1502	147	60	1031	206.2	155	216	114	M12	165	41	42.0



# Hydraulic Cylinders

## HSS - Single Acting Multi-Purpose Cylinders

- Spring assisted return
- Collar threads withstand full load
- Piston rod thread on all models up to 30t
- Base mounting holes on all models (except HSS308)
- Optional piston rod saddles
- Range from 4.5t to 109t capacity
- Working pressure 700 Bar

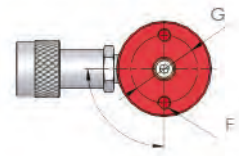
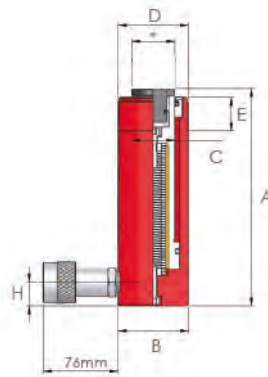
Product Code	Model	Capacity (t)	Stroke (mm)	Oil Cap (cm <sup>3</sup> )	Cyl Eff Area (cm <sup>2</sup> )	A (mm)	B (mm)	C (mm)	D	E (mm)	F (Eyebolt)	G (mm)	H (mm)	Weight (kg)
H330330040	HSS51	4.5	25	16	6.4	107	38	24	1 1/2" - 16un	28	M6	25	19	1.0
H330330041	HSS52	4.5	50	32	6.4	132	38	24	1 1/2" - 16un	28	M6	25	19	1.2
H330330042	HSS53	4.5	75	48	6.4	157	38	24	1 1/2" - 16un	28	M6	25	19	1.4

# Hydraulic Cylinders

## HSS - Single Acting Multi-Purpose Cylinders Continued

Product Code	Model	Capacity (l)	Stroke (mm)	Oil Cap (cm <sup>3</sup> )	Cyl Eff Area (cm <sup>2</sup> )	A (mm)	B (mm)	C (mm)	D	E (mm)	F (Eyebolt)	G (mm)	H (mm)	Weight (kg)
H330330043	HSS54	4.5	100	64	6.4	182	38	24	1 1/2" - 16un	28	M6	25	19	1.5
H330330044	HSS55	4.5	125	80	6.4	207	38	24	1 1/2" - 16un	28	M6	25	19	1.8
H330330045	HSS57	4.5	176	113	6.4	258	38	24	1 1/2" - 16un	28	M6	25	19	2.0
H330330046	HSS59	4.5	227	146	6.4	308	38	24	1 1/2" - 16un	28	M6	25	19	2.4
H330330100	HSS101	10	25	36	14.4	100	57	35	2 1/4" - 14un	27	M8	40	19	1.8
H330330101	HSS102	10	56	81	14.4	131	57	35	2 1/4" - 14un	27	M8	40	19	2.4
H330330102	HSS104	10	100	144	14.4	175	57	35	2 1/4" - 14un	27	M8	40	19	3.0
H330330103	HSS106	10	150	217	14.4	225	57	35	2 1/4" - 14un	27	M8	40	19	4.2
H330330104	HSS108	10	206	297	14.4	281	57	35	2 1/4" - 14un	27	M8	40	19	5.0
H330330105	HSS1010	10	250	361	14.4	325	57	35	2 1/4" - 14un	27	M8	40	19	5.4
H330330106	HSS1012	10	305	440	14.4	379	57	35	2 1/4" - 14un	27	M8	40	16	6.2
H330330140	HSS152	14.5	50	101	20.3	154	70	41	2 3/4" - 16un	39	M10	48	19	3.4
H330330141	HSS154	14.5	100	203	20.3	204	70	41	2 3/4" - 16un	39	M10	48	19	5.0
H330330142	HSS156	14.5	150	304	20.3	254	70	41	2 3/4" - 16un	39	M10	48	19	6.6
H330330143	HSS1510	14.5	250	507	20.3	354	70	41	2 3/4" - 16un	39	M10	48	19	8.8
H330330250	HSS252	25	51	178	34.9	174	86	54	3 5/16" - 12un	49	M12	60	25	6.5
H330330251	HSS254	25	102	356	34.9	225	86	54	3 5/16" - 12un	49	M12	60	25	8.0
H330330252	HSS256	25	150	524	34.9	273	86	54	3 5/16" - 12un	49	M12	60	25	9.6
H330330253	HSS258	25	203	709	34.9	324	86	54	3 5/16" - 12un	49	M12	60	25	11.2
H330330254	HSS2510	25	250	874	34.9	374	86	54	3 5/16" - 12un	49	M12	60	25	12.6
H330330255	HSS2514	25	356	1242	34.9	480	86	54	3 5/16" - 12un	49	M12	60	25	16.8
H330330256	HSS2518	25	457	1597	34.9	611	86	54	3 5/16" - 12un	49	M12	60	25	21.4
H330330290	HSS308	29	205	860	41.9	374	102	57	3 5/16" - 12un	50	-	-	50	18.6
H330330500	HSS502	50	51	364	71.3	150	127	79	5"-12un	55	M12	85	20	13.0
H330330501	HSS504	50	102	728	71.3	201	127	79	5"-12un	55	M12	85	20	16.8
H330330502	HSS506	50	152	1084	71.3	251	127	79	5"-12un	55	M12	85	20	20.0
H330330503	HSS508	50	203	1448	71.3	302	127	79	5"-12un	55	M12	85	20	23.2
H330330504	HSS5013	50	330	2354	71.3	429	127	79	5"-12un	55	M12	85	20	33.6
H330330730	HSS756	73	152	1561	102.7	272	146	95	5 3/4" - 12un	45	M12	115	31.5	31.0
H330331090	HSS1004	109	102	1565	153.4	223	185	114	6 7/8" - 12un	50	M12	146	32	41.6
H330331091	HSS1006	109	153	2347	153.4	274	185	114	6 7/8" - 12un	50	M12	146	32	49.8
H330331092	HSS10010	109	254	3896	153.4	375	185	114	6 7/8" - 12un	50	M12	146	32	65.5

JACKING



**Hi-Force**  
HYDRAULIC TOOLS

# Hydraulic Cylinders

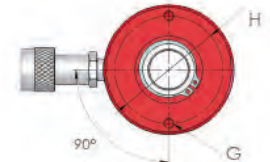
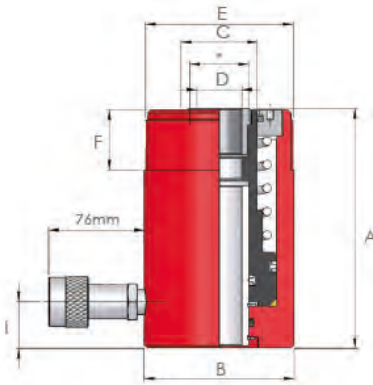
## HHS - Single Acting Hollow Piston Cylinders

- Spring assisted return
- Optional piston rod saddles
- Collar thread protector supplied as standard
- Range from 11t to 102t capacity
- Stroke lengths from 25mm to 152mm
- Working pressure 700 Bar



JACKING

Product Code	Model	Capacity (t)	Stroke (mm)	Oil Cap (cm <sup>3</sup> )	Cyl Eff Area (cm <sup>2</sup> )	A (mm)	B (mm)	C (mm)	D (mm)	E	F (mm)	G (Eyebolt)	H (mm)	I (mm)	Weight (kg)
H330340110	HHS101	11	25	39	15.8	110	70	38	20	2 3/4" - 16un	30	M8	51	19	2.8
H330340111	HHS102	11	50	79	15.8	140	70	38	20	2 3/4" - 16un	30	M8	51	19	3.0
H330340112	HHS106	11	152	240	15.8	297	70	38	20	2 3/4" - 16un	30	M8	51	19	10.2
H330340230	HHS202	23	50	167	33.3	160	100	51	30	3 7/8" - 12un	40	M8	82.5	31	7.0
H330340231	HHS206	23	150	500	33.3	306	100	51	30	3 7/8" - 12un	40	M8	82.5	31	13.8
H330340330	HHS302	33	50	233	46.7	165	115	60	35	4 1/2" - 12un	40	M8	92	31	10.6
H330340331	HHS306	33	152	710	46.7	320	115	60	35	4 1/2" - 12un	40	M8	92	31	19.2
H330340610	HHS603	61	76	651	85.7	226	160	92	55	6 1/4" - 12un	59	M12	130	31	28.0
H330340611	HHS606	61	150	1285	85.7	315	160	92	55	6 1/4" - 12un	59	M12	130	31	40.6
H330341020	HHS1003	102	76	1088	143.1	276	213	127	81	8 3/8" - 12un	60	M16	178	45	64.0
H330341021	HHS1006	102	150	2147	143.1	350	213	127	81	8 3/8" - 12un	60	M16	178	45	75.0



# Hydraulic Cylinders

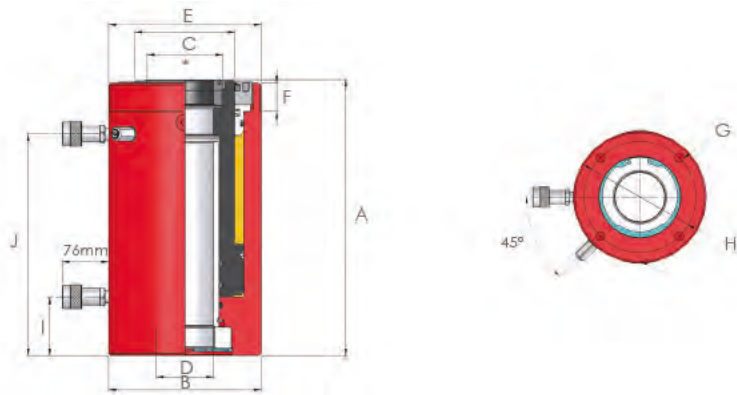
## HHR - Double Acting Hollow Piston Cylinders

The HHR double acting hollow piston cylinder range incorporates all of the design features of the HHS range with the added benefit of double acting design, which greatly enhances speed of operation and performance particularly in the longer length stroke options.



Product Code	Model	Capacity Push (t)	Capacity Pull (t)	Stroke (mm)	Oil Cap (cm <sup>3</sup> )	Cyl Eff Area (cm <sup>2</sup> )	A (mm)	B (mm)	C (mm)	D (mm)	E	F (mm)	G (Eye bolt)	H (mm)	I (mm)	J (mm)	Weight (kg)
H330340332	HHR302	33	24	51	238	46.7	180	115	60.3	35	4 1/2" - 12un	40	M8	92	28	119	12.2
H330340333	HHR306	33	24	150	701	46.7	279	115	60.3	35	4 1/2" - 12un	40	M8	92	28	218	17.6
H330340334	HHR3012	33	24	305	1424	46.7	434	115	60.3	35	4 1/2" - 12un	40	M8	92	28	373	25.7
H330340612	HHR603	61	38	76	652	85.7	239	160	92	55	6 1/4" - 12un	45	M12	130	31	166	30.6
H330340613	HHR606	61	38	152	1304	85.7	315	160	92	55	6 1/4" - 12un	45	M12	130	31	242	41.6
H330340614	HHR6010	61	38	254	2179	85.7	417	160	92	55	6 1/4" - 12un	45	M12	130	31	344	52.5
H330341022	HHR1003	102	43	76	1087	143.1	310	213	140	80	8 3/8" - 12un	40	M16	178	82	234	68.5
H330341023	HHR1006	102	43	152	2174	143.1	386	213	140	80	8 3/8" - 12un	40	M16	178	82	310	90.0
H330341520	HHR1508	152	71	203	4320	212.8	503	270	184	102	n/a	n/a	n/a	n/a	98	389	170.0
H330342470	HHR2508	247	76	203	7039	346.5	505	350	254	150	n/a	n/a	n/a	n/a	98	389	269.0

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# Hydraulic Cylinders

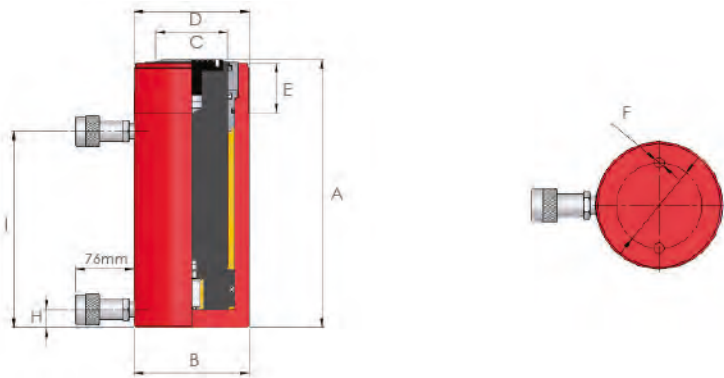
## HDA - Double Acting High Tonnage Cylinders

- Range from 25t to 1012t
- Stroke lengths from 152mm to 330mm
- Working pressure 700 Bar
- Lifting ring as standard on models 50t to 109t
- Eyebolts as standard on models from 152t to 1012t
- Base mounting holes



JACKING

Product Number	Model	Capacity Push (t)	Capacity Pull (t)	Stroke (mm)	Oil Cap (l)	Cyl Eff Area (cm <sup>2</sup> )	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (Eyebolt)	H (mm)	I (mm)	Weight (kg)
H330350250	HDA256	25	10	152	0.53	34.9	287	92	50	3 3/16"-12un	53	M10	30	212	15.0
H330350500	HDA506	50	15	152	1.08	71.3	295	127	79	5"-12un	55	M12	20	216	28.4
H330350501	HDA5013	50	15	330	2.35	71.3	473	127	79	5"-12un	55	M12	20	394	42.6
H330351090	HDA1006	109	36	152	2.33	153.3	304	185	114	6 7/8"-12un	51	M12	30	226	64.5
H330351091	HDA10013	109	36	330	5.06	153.3	482	185	114	6 7/8"-12un	51	M12	30	404	89.0
H330351520	HDA1506	152	79	152	3.26	214.2	310	210	114	8"-12un	55	M16	35	231	90.0
H330351521	HDA15012	152	79	305	6.53	214.2	463	210	114	8"-12un	55	M16	35	384	120.5
H330352030	HDA2006	203	94	152	4.33	285.2	327	254	140	9 3/4"-12un	65	M20	43	238	129.8
H330352031	HDA20012	203	94	305	8.69	285.2	480	254	140	9 3/4"-12un	65	M20	43	391	167.4
H330353260	HDA3006	326	-	152	6.95	457.4	409	312	165	optional	optional	M20	50	262	193.0
H330353980	HDA4006	398	-	152	8.49	558.9	431	360	216	optional	optional	M24	55	277	286.0
H330355200	HDA5006	520	-	152	11.09	729.9	470	397	203	optional	optional	M24	65	300	372.0
H330358090	HDA8006	809	-	152	17.28	1134.1	535	500	300	optional	optional	optional	70	318	650.0
H330359990	HDA10006	1012	-	152	21.62	1419.3	590	540	320	optional	optional	optional	99	357	900.0



# Hydraulic Cylinders

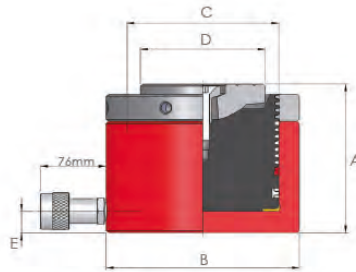
## HFL - Single Acting Low Height Failsafe Lock Ring Cylinders



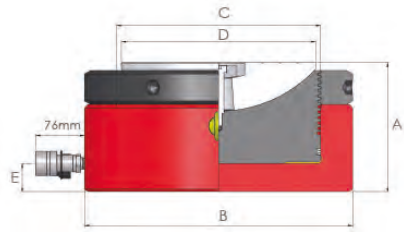
The HFL low height single acting failsafe lock ring cylinder range combines all the versatility and efficiency of hydraulic power with the safety of mechanical load support, offering a sustainable lifting force in very confined work areas. Ideally suited for applications requiring load holding for extended periods, such as bridge support work.

- For easy rotation of the load holding locking ring we recommend the use of a tommy bar, available for hire or sale

Product Code	Model	Capacity (t)	Stroke (mm)	Oil Cap (l)	Cyl Eff Area (cm <sup>2</sup> )	Tommy Bar	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	Weight (kg)
H330360500	HFL502	50	51	0.36	71.3	TTB10	125	127	95	70	19	14.2
H330361090	HFL1002	109	50	0.77	153.4	TTB10	137	178	140	115	20	25.1
H330361520	HFL1502	152	45	1.07	214.3	TTB10	150	216	165	135	28	44.0
H330362600	HFL2502	260	45	1.65	366.1	TTB14	159	273	216	200	31	69.4
H330363980	HFL4002	398	45	2.51	559	TTB16	178	360	267	260	36	121.0
H330365200	HFL5002	520	45	3.29	729.9	TTB16	192	400	305	290	43	186.0



HFL502, HFL1002 and HFL1502 Models



HFL2502, HFL4002 and HFL5002 Models

# Hydraulic Cylinders

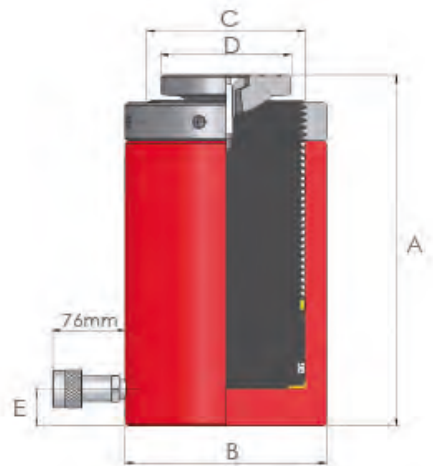
## HFG - Single Acting Failsafe Lock Ring Cylinders

Combines all the versatility and efficiency of hydraulic power with the safety of mechanical load support. Ideally suited for applications requiring sustained load holding for extended periods, such as bridge support work. Features a single acting, load return piston, threaded throughout its stroke length to suit the threaded mechanical load holding lock ring.



JACKING

Product Code	Model	Capacity (t)	Stroke (mm)	Oil Cap (l)	Cyl Eff Area (cm <sup>2</sup> )	Tommy Bar	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	Weight (kg)
H330360501	HFG502	50	51	0.36	71.3	TTB10	173	127	95	70	25.0	16.2
H330360502	HFG504	50	102	0.73	71.3	TTB10	224	127	95	70	25.0	20.6
H330360503	HFG506	50	150	1.07	71.3	TTB10	272	127	95	70	25.0	25.0
H330361090	HFG1002	109	51	0.76	153.4	TTB10	189	185	140	115	27.5	35.0
H330361091	HFG1004	109	100	1.53	153.4	TTB10	240	178	140	115	27.5	50.3
H330361092	HFG1006	109	150	2.30	153.4	TTB10	311	178	140	115	27.5	65.4
H330361520	HFG1502	152	51	1.07	214.3	TTB10	237	216	165	135	42.0	78.0
H330361521	HFG1504	152	100	2.14	214.3	TTB10	288	216	165	135	42.0	84.0
H330361522	HFG1506	152	150	3.21	214.3	TTB10	338	216	165	135	42.0	89.5
H330362030	HFG2002	203	50	1.42	285.1	TTB14	261	254	190	135	50.0	95.4
H330362031	HFG2006	203	152	4.33	285.1	TTB14	362	254	190	135	50.0	137.0
H330362560	HFG2506	256	152	5.50	366.5	TTB14	401	273	216	150	50.0	171.0
H330363260	HFG3006	326	150	6.87	457.7	TTB14	417	310	241	150	50.0	228.5
H330363980	HFG4006	398	151	8.44	559	TTB14	459	360	267	180	70.0	308.5
H330365200	HFG5006	520	152	11.10	729.9	TTB16	498	400	305	180	80.0	457.0
H330368090	HFG8006	809	152	17.47	1134.1	TTB16	565	480	380	340	80.0	735.0
H330369990	HFG10006	1012	152	21.61	1419.3	TTB20	620	540	425	380	90.0	1016.0





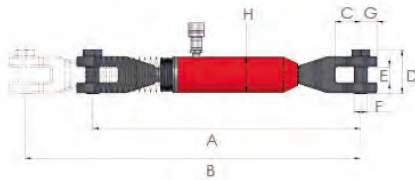
# Hydraulic Cylinders

## HPC - Single Acting Pull Cylinders

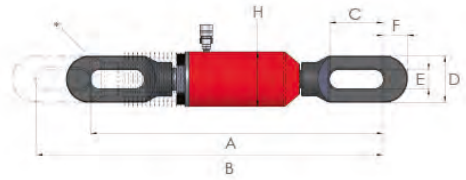
The HPC pull cylinder range comprises of four models, with capacities ranging from 10t to 50t of pulling force. All models are 700 Bar maximum working pressure and feature a single acting, spring assisted return piston, with a 152mm stroke length.



Product Code	Model	Capacity (t)	Stroke (mm)	Oil Cap (cm <sup>3</sup> )	Cyl Eff Area (cm <sup>2</sup> )	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	Weight (kg)
H330400010	HPC106	10	152	228	15	600	752	114	67	32	33	-	80	12.0
H330410010	HPC106C	10	152	228	15	602	754	58	99	35	30	36	80	15.5
H330410030	HPC306	30	152	636	41.8	695	847	145	105	42	50	-	122	31.0
H330400050	HPC506	50	152	1078	71	819	971	149	130	52	69	-	153	54.0



HPC106C Model



HPC106, HPC306 and HPC506 Models

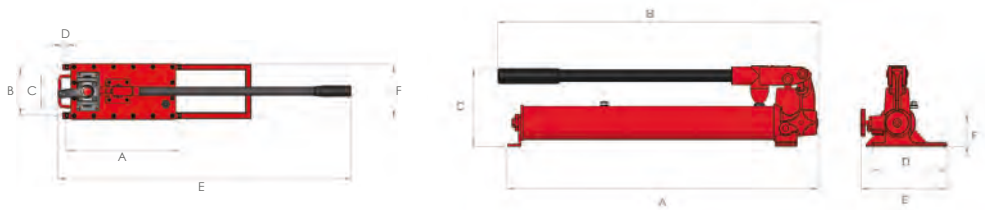


# Hydraulic Pumps

## HP - Manually Operated Pumps

- Oil reservoir capacity up to 10 litres
- Externally adjustable pressure relief valve
- Factory set safety relief valve
- Changeover pressure for two speed models is 14 Bar
- Single or two speed operation
- Choice of control valves (2 way / 4 way)
- Working pressure 700 Bar

Product Code	Model	Valve Type	Displacement Per Stroke (cm <sup>3</sup> ) 1st Stage	Displacement Per Stroke (cm <sup>3</sup> ) 2nd Stage	Usable Oil Cap (l)	Handle Effort (kg)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	Weight (kg)
H320100001	HP110	2 way	2.9	-	1.0	45	558	566	128	134	145	40	5.6
H320100100	HP227	2 way	12.9	2.3	2.3	38	544	597	168	135	145	53	10.5
H320100205	HP257	2 way	12.9	2.3	4.1	38	545	597	168	135	150	53	15.2
H320100910	HP245	2 way	113	4	10.0	40	420	180	124	15	1050	200	29.5
H320100920	HP245D	4 way	113	4	10.0	40	420	180	124	15	1050	200	31.0



## HEP Electric Powered Pumps

- Totally enclosed, fan cooled, low noise electric motors
- Externally adjustable pressure relief valve
- Manual valve with load holding feature fitted as standard

Product Code	Model	Power Source	Valve Type	Usable Oil Cap (l)	Low Pressure Flow Rate @ 70 Bar (l/min)	High Pressure Flow Rate @ 700 Bar (l/min)	Dimensions LxWxD (mm)	Weight (kg)
H320233010	HEP207411	110v	4 Way	10.0	7.0	0.65	368x438x498	47.5
H320234825	HEP310321	110V	3 way	25.0	10.0	1.0	306x570x527	64.0
H320234840	HEP310341	110V	3 way	40.0	10.0	1.0	306x570x636	89.0

Further options of our powered hydraulic pumps are available

# Hydraulic Accessories

## HM2C & 4C – Controlled Manifolds



- These controlled manifold units are designed specifically to allow easy control of the direction of flow of the hydraulic fluid, within a single acting or double acting system
- They are mounted in a sturdy framework and are available as 2 outlet or 4 outlet options and are supplied with pressure gauges, reading 0-700 Bar, fitted to each outlet port
- All models are fitted with quick connect couplings on all inlet and outlet ports, including the 2 way and 4 way open manifold return flow lines on double acting versions

Product Code	Model	Type	Width (mm)	Height (mm)	Depth (mm)	Port Centres (mm)	Weight (kg)
H329810002	HM2C-SU	2 way controlled manifold unit, suitable for single acting systems	150	51	51	100	2.0
H329800002	HM2C-DU	2 way controlled manifold unit, suitable for double acting systems	150	102	51	100	3.0
H329810004	HM4C-SU	4 way controlled manifold unit, suitable for single acting systems	350	51	51	100	3.5
H329800004	HM4C-DU	4 way controlled manifold unit, suitable for double acting systems	350	102	51	100	6.0



## HC – High Pressure Hydraulic Hoses

- Provide vital high quality, safe connection for your hydraulic equipment
- Supplied complete with an ergonomically designed protective strain reliever at both ends
- Suitable for working pressures up to 700 Bar
- 4:1 Factor of safety

Product Code	Model (CM1 Male Couplers Fitted Both Ends - Black)	Length (mm)
H329900002	HC2C	2.0
H329900003	HC3C	3.0
H329900006	HC6C	6.0
H329900010	HC10C	10.0



## HM1C – Flow Control Valves

- Manual shut off valve with needle type flow control. Used for load holding and throttling functions. Can also be used as a gauge isolator
- Working pressure 700 Bar. 3/8" - 18 NPT connections. Ensures system safety and control

Product Code	Model	Height (mm)	Length (mm)	Width (mm)
H329600000	HM1C	82	64	38

# Hydraulic Accessories

## HG – Pressure Gauges



HG1G

- Force hydraulic pressure gauges are your “window” to the system and are recommended for use within all hydraulic systems to allow the user to constantly monitor the system pressure
- Manufactured to EN837-1
- Accurate to +/- 1% of full scale

Product Code	Model	Gauge Diameter (mm)	Gauge Type	Reading Inner Scale (Bar)	Reading Outer Scale (psi)	Inlet Thread	Compatible Hi-Force Cylinders	Weight (kg)
H329700063	HG63G	63	Glycerine	0-700	0-10,000	¼"-18NPT	All models	0.2
H329700100	HG1G	100	Glycerine	0-700	0-10,000	½"-14NPT	All models	1.0

## HDG1 – Digital Gauge



- Capable of measuring hydraulic pressure up to 1000 Bar (14,503 PSI)
- Display in a variety of units of measure that include Bar, PSI, mPa, kg/cm<sup>2</sup>
- LCD display with 12mm, 5 digit upper line pressure reading
- Blue backlight allows reading in low visibility situations. 20 segment graphical display of pressure

Product Code	Model	Gauge Dia. (mm)	Pressure Reading Bar	Pressure Reading (psi)	Pressure Reading (mPa)	Pressure Reading (kg per cm <sup>2</sup> )	Inlet Thread	Weight (kg)
H329710070	HDG1	70	0-1000	0-14503	0-100	0-1019.7	¼"-18NPT	0.2



## HG – Gauge Mounting Blocks

Select a suitable position within the system for the pressure gauge mounting block. The gauge block should preferably be mounted to a rigid component such as a cylinder or pump. Hi-Force mounting blocks are supplied with 3/8" NPT threads; male at one end and female at the other. The pressure gauge connection is 1/2" - 14 NPT female.

Product Code	Model	Length (mm)	Width (mm)	Height (mm)	Gauge Thread	Inlet Thread	Outlet Thread	Weight (kg)
H329790000	HGA2	170	32	32	½" - 14NPT	⅜" - 18NPT male	⅜" - 18NPT female	0.85
H329790001	HGA2-25	170	32	32	¼" - 18NPT	⅜" - 18NPT male	⅜" - 18NPT female	0.9



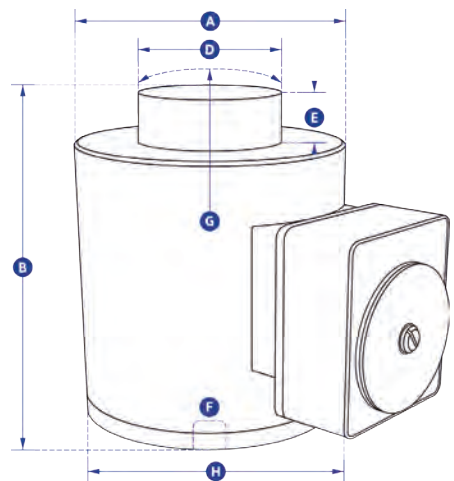
# Compression Load Cells

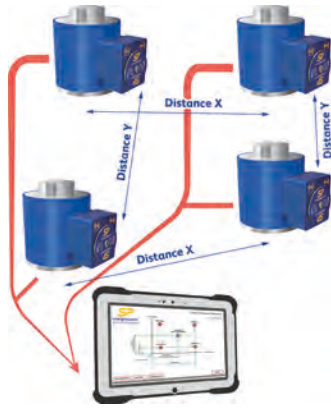
## Wireless Compression Load Cell

- Proprietary 2.4GHz wireless
- Industry leading wireless range of 700m (2300ft)
- Connects to SW-MWLC, WCOGS & SW-PTP software
- Error free data transmission
- Environmentally sealed to IP67/NEMA 6
- No cable assemblies required
- Unrivalled accuracy
- Battery life of 1200hrs

Product Code	H340510005	H340510010	H340510025	H340510050	H340510100	H340510150	H340510300	H340510500
Capacity (t)	5.0	10.0	25.0	50.0	100.0	150.0	300.0	500.0
Resolution (te)	0.001	0.002	0.005	0.01	0.05	0.05	0.1	0.2
Dimension A (mm)	102	102	102	102	152	152	185	185
Dimension B (mm)	127	127	127	127	184	184	300	300
Dimension D (mm)	59	59	59	59	80	80	155	155
Dimension E (mm)	13	13	13	13	26	26	27.5	27.5
Dimension F (mm)	M18 x 2.5	M18 x 2.5	M18 x 2.5	M20 x 2.5	M20 x 2.5	M20 x 2.5	M20 x 2.5	M20 x 2.5
Dimension G (mm)	152	152	152	152	432	432	432	432
Dimension H (mm)	158	158	158	158	208	208	241	241
Weight (kg)	6.2	6.2	6.2	6.2	15.5	15.5	65.0	65.0
Safety Factor	3:1							
Battery Type	Load cell 4 x AA Alkaline							
Battery Life	Load cell 1,200 hours continuous							
Operating Temp	-10°C to +50°C / 14°F to 122°F							
Accuracy	±0.3% of applied load							
Frequency	2.4GHz							
System Range	700 metres - 2300 feet							
Data Rate	3Hz (configurable to 200Hz)							
Protection	IP67 / NEMA 6							

JACKING





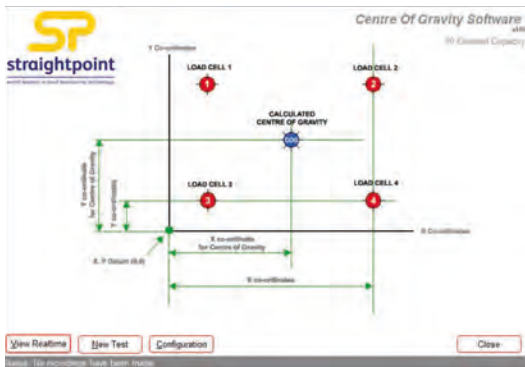
# Compressive Load Cell Systems

## Wireless Centre of Gravity

- 100% wireless
- Between 3-36 load cells of the same capacity can be used in the system to measure and ascertain the centre of gravity (CoG)
- ISO19901 compliant
- 700m - 2300ft range
- On screen, real time centre of gravity view
- Three weighings per report with averages and statistical analysis
- Plot load cell positioning using measurements or GPS co-ordinates
- Extra fields for operator, client, wind speed and temperature available for reporting.

Product Code	Model	IP rating	(SW-USBSE)	Operating Temp	Licence	Frequency	Range	Load Cell Inputs	PC Requirements	Operating System
H340500000	WCOGS	IP54	NEMA 3	-10°C to +50°C (14°F to 122°F)	Free	2.4 GHz	700m (2300 feet)	Up to 36	Intel i3 processor with 2GB RAM	Windows XP, Vista, Windows 7, 8 or 10 (must have English language regional settings selected)

When large industrial items such as absorbers, generators, turbines, reactors, boilers, towers, locomotives, boats, military equipment or offshore industry parts such as oil rigs and production platforms have to be moved, heavy lift companies need large capacity load cells and easy to use software to quickly report weight and centre of gravity.



Home Screen

Environmental Conditions		Temperature	Wind Speed	Wind Direction		
Grid Coordinates	Local Coordinates	Load Cell Weight (T)				
Cell Position	Cell Position	Cell Position	Weighing 1	Weighing 2	Weighing 3	Average
1	1	1	100.0	100.0	100.0	100.0
2	2	2	100.0	100.0	100.0	100.0
3	3	3	100.0	100.0	100.0	100.0
4	4	4	100.0	100.0	100.0	100.0
5	5	5	100.0	100.0	100.0	100.0
6	6	6	100.0	100.0	100.0	100.0
7	7	7	100.0	100.0	100.0	100.0
8	8	8	100.0	100.0	100.0	100.0
TOTALS			100.0	100.0	100.0	100.0

Report Example

Each system is designed and configured to meet the precise need of the job - please contact our technical team for further details and advice.



# 71

## Rigging

- 74** Grade 10 Chain Slings
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- 96** Lattice Spreader Beams
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- 99** Access Cages & Gas Bottle Carriers
- 100** Block Grabs
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- 102** Manhole Lifting Equipment
- 103** Lifting Clutches
- 104** Plate Clamps
- 105** Lifting Magnets
- 106** Alloy Bow Shackles
- 107** Heavy Duty Bow Shackles
- 108** Super Alloy Shackles
- 109** High Tensile Shackles
- 110** Lifting Points
- 112** Lifting Rings
- 114** Load Rings
- 116** Digital Load Indicators
- 117** Digital Load Shackles
- 118** Eyebolt Tester
- 120** Test Weights & Accessories

puts safety first  
puts safety first  
puts safety first  
puts safety first  
puts safety first  
puts safety first



## Winner G10 Chain Slings



- Lifting capacities of up to 85 tonnes
- 25% increase in load capacity over traditional G8 chain slings resulting in lighter handling weight per kg lifted
- Comprehensive sling system with a large range of master link and terminal fitting options
- Manufactured in Europe by one of the worlds biggest and most trusted chain makers



Assembled in the UK for  
Lifting Gear Hire by

**Brindley**  
CHAINS



# Modulift®

working between the hook and the load

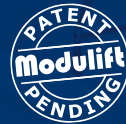
## Experts in the design and manufacture of standard and custom designed lifting equipment

- Modular Spreader Beams up to 400t in stock and available worldwide for distribution
- Modular Spreader Beams for 2–5000t and spans up to 100m/330ft
- Reduce your rigging weight and health and safety concerns by using the shackle-free Trunnion Spreader Beam system
- Experts in custom lifting solutions and projects requiring high QA standards
- All products fully tested and certified with DNV Type approval as standard

### Spreader Beams



### Trunnion Spreader Beams



### Spreader & Lifting Frames



### Lifting Beams





# Grade 10 Chain Slings

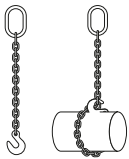
## Pewag Winner Grade 10 Chain Slings

- 25% greater capacity than Grade 8
- Load capacities up to 85t
- Multiple sling configurations available
- Locking type safety hooks and shorteners fitted as standard
- Other hooks available on request
- Multiple lengths available

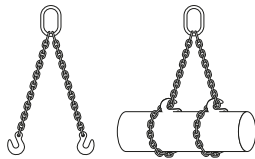
Load Capacities												
Safety Factor 4:1		1 Leg Chain Slings		2 Leg Chain Slings				3 + 4 Leg Chain Slings		Endless Chain Slings	Basket Chain Slings	
Angle of Inclination (STV)		-	-	up to 45°	45° - 60°	up to 45°	45° - 60°	up to 45°	45° - 60°	-	up to 45°	0° - 45°
Load Factor		1	0.8	1.4	1	1.2	0.8	2.1	1.5	1.6	1.4	2.1
Comments	D (mm)	Load Cap. (t)										
Our standard range of hire fleet slings are available in 1m (single leg) 3m, 6m and 9m (multi-leg) lengths. Other lengths available on request	7	1.9	1.5	2.65	1.9	2.12	1.5	4.0	2.8	3.0	2.65	4.0
	8	2.5	2.0	3.55	2.5	2.8	2.0	5.3	3.75	4.0	3.55	5.3
	10	4.0	3.15	5.6	4.0	4.25	3.15	8.0	6.0	6.3	5.6	8.0
	13	6.7	5.3	9.5	6.7	7.5	5.3	14.0	10.0	10.6	9.5	14.0
	16	10.0	8.0	14.0	10.0	11.2	8.0	21.2	15.0	16.0	14.0	21.2
	19	14.0	11.2	20.0	14.0	16.0	11.2	30.0	21.2	22.4	20.0	30.0
	22	19.0	15.0	26.5	19.0	21.2	15.0	40.0	28.0	30.0	26.5	40.0
	26	26.5	21.2	37.5	26.5	30.0	21.2	56.0	40.0	42.5	37.5	56.0
	32	40.0	31.5	56.0	40.0	45.0	31.5	85.0	60.0	63.0	56.0	85.0

### Demanding conditions

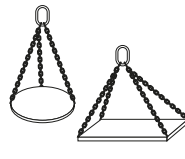
Temperature	Load Factor Pewag Winner 200	Load Factor Pewag Winner 400	Asymmetric Load Distribution	Edge Load (see Figure 1 below)	Load Factor	Shock	Load Factor
-40°C – 200°C	1	1	The WLL has to be reduced by at least 1 leg. In case of doubt only consider 1 leg as load-bearing.	R = larger than 2 x d	1	Slight	1
Above 200°C – 300°C	Not Permissible	0.9		R = larger than d	0.7	Medium	0.7
Above 300°C – 380°C	Not Permissible	0.75		R = smaller than d	0.5	Strong	Not Permissible



Single Leg Chain Slings



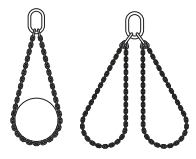
2 Leg Chain Slings



3 + 4 Leg Chain Slings



Endless Chain Sling



Basket Chain Slings



C Hook



Sling Hook c/w Latch



Locking Safety Hook



Swivel Safety Locking Hook



Swivel Hook with Safety Catch





## Wire Rope Slings

Wire ropes are widely used as a cost-effective alternative to chains, offering considerably higher capacities and additional properties such as resistance to salt water.

- Multiple configurations – 1, 2, 3, 4, 5 legs and endless
- Multiple terminations – Soft Eyes, Thimble Eyes, Sockets and Swaged Terminals
- Splice options – Talurit, Supersplice, Flemish eye
- Sling types – Single Laid, Cable Laid & Grommets
- Capacities - Grommets up to 6800t minimum breaking load (Double part)

Nominal Dia.	MBL	MBF	Single Leg (t)	WLL 2 Leg		WLL 3/4 Leg		Endless
				0-45°	45-60°	0-45°	45-60°	Chokehitch
8	4.56	44.7	0.8	1.1	0.8	1.7	1.2	1.3
9	5.76	56.5	1.0	1.4	1.0	2.1	1.5	1.6
10	7.12	69.8	1.2	1.7	1.2	2.5	1.8	1.9
13	12.0	118.0	2.0	2.8	2.0	4.2	3.0	3.2
16	18.3	179.0	3.0	4.2	3.0	6.3	4.5	4.8
18	23.0	226.0	4.0	5.6	4.0	8.4	6.0	6.4
20	28.5	279.0	5.0	7.0	5.0	10.5	7.5	8.0
22	34.5	338.0	6.0	8.4	6.0	12.6	9.0	9.6
24	41.0	402.0	7.0	9.8	7.0	14.7	10.5	11.2
26	48.1	472.0	8.0	11.2	8.0	16.8	12.0	12.8
28	55.8	547.0	10.0	14.0	10.0	21.0	15.0	16.0
32	72.9	715.0	13.0	18.2	13.0	27.3	19.5	20.8
36	92.2	904.0	16.0	22.4	16.0	33.6	24.0	25.6
38	103.0	1010.0	18.0	25.2	18.0	37.8	27.0	28.8
40	114.0	1120.0	20.0	28.0	20.0	42.0	30.0	32.0
44	138.0	1351.0	24.0	33.6	24.0	50.4	36.0	38.4
48	164.0	1608.0	29.0	40.6	29.0	60.9	43.5	46.4
52	192.0	1887.0	34.0	47.6	34.0	71.4	51.0	54.4
64	291.0	2855.0	52.0	72.8	52.0	109.2	78.0	83.2
76	411.0	4032.0	73.0	102.2	73.0	153.3	109.5	116.8
92	600.0	5886.0	108.0	151.2	108.0	226.8	162.0	172.8
103	800.0	7848.0	144.0	201.6	144.0	302.4	216.0	230.4
114	939.0	9212.0	169.0	236.6	169.0	354.9	253.5	270.4
128	1138.0	11164.0	204.0	285.6	204.0	428.4	306.0	326.4

Our range of Wire Rope Slings are wide and varied and sizes extend beyond the above table - Please call for details



# Synthetic Slings

## Duplex & Quadplex Webslings

Webslings available up to 48t capacity



Sling Type / Colour Code		Straight Pull M' = 1	Choke Hitch M' = 0.8	Basket Hitch		2 Leg Sling Max 90° M' = 1.4	4 Leg Sling Max 90° M' = 2
Roundsling (RS) Duplex (DX), Quadplex (QP) Quadplex Side by Side (QPS)	Webbing Width (mm)			Parallel M' = 2	90° M' = 1.4		
RS/DX	30	1.0	0.8	2.0	1.4	1.4	2.0
RS/DX	60	2.0	1.6	4.0	2.8	2.8	4.0
RS/DX	90	3.0	2.4	6.0	4.2	4.2	6.0
RS/DX	120	4.0	3.2	8.0	5.6	5.6	8.0
RS/DX	150	5.0	4.0	10.0	7.0	7.0	10.0
RS/DX	180	6.0	4.8	12.0	8.4	8.4	12.0
RS/DX	240	8.0	6.4	16.0	11.2	11.2	16.0
RS/DX	299	10.0	8.0	20.0	14.0	14.0	20.0
RS/DX	300	12.0	9.6	24.0	16.8	16.8	24.0
RS	-	15.0	12.0	30.0	21.0	21.0	30.0
QP	240	16.0	12.8	32.0	22.4	22.4	32.0
RS/QP	299	20.0	16.0	40.0	28.0	28.0	40.0
QP	300	24.0	19.2	48.0	33.6	33.6	48.0
RS	-	25.0	20.0	50.0	35.0	35.0	50.0
RS	-	30.0	24.0	60.0	42.0	42.0	60.0
QPS	480	32.0	25.6	64.0	44.8	44.8	64.0
RS/QPS	598	40.0	32.0	80.0	56.0	56.0	80.0
QPS	600	48.0	38.4	96.0	67.2	67.2	96.0
RS	-	50.0	40.0	100.0	70.0	70.0	100.0
RS	-	60.0	48.0	120.0	84.0	84.0	120.0
RS	-	80.0	64.0	160.0	112.0	112.0	160.0
RS	-	100.0	80.0	200.0	140.0	140.0	200.0
RS	-	120.0	96.0	240.0	168.0	168.0	240.0
RS	-	150.0	120.0	300.0	210.0	210.0	300.0
RS	-	200.0	160.0	400.0	280.0	280.0	400.0

RIGGING

## Roundslings & Endless Webslings

Roundslings available up to 200t capacity



# Synthetic Slings



## Duplex & Quadplex Webslings (BS EN 1492-1)

- Material: Polyester
- Widths 25mm to 300mm
- Duplex SWL 1t to 12t - see colour code chart opposite
- Quadplex SWL 12t to 24t - see colour code chart opposite
- Eyes: Becket, flat, reversed or a range of compatible hardware
- Factor of safety 7:1
- High strength to weight ratio
- Absorbs shock loads
- Light and flexible makes them easy to handle
- Will not damage the surface of goods being lifted



## Roundslings (BS EN 1492-2)

Standard and heavy duty roundslings are made from high tenacity polyester yarn encased in a colour coded tubular sleeve of durable woven polyester fabric.

- Standard SWL 1t to 12t - see colour code chart opposite
- Heavy duty SWL 15t to 200t
- Circ: up to 40m
- Factor of safety 7:1
- High strength to weight ratio
- Absorbs shock loads
- Light and flexible makes them easy to handle



## Wear Sleeves

- Recommended when abrasion is a problem or sharp objects are being lifted
- Prolong the life of the sling
- Available in a variety of materials including polyurethane for particularly harsh or abrasive surfaces which can be coated either single sided or totally encapsulated

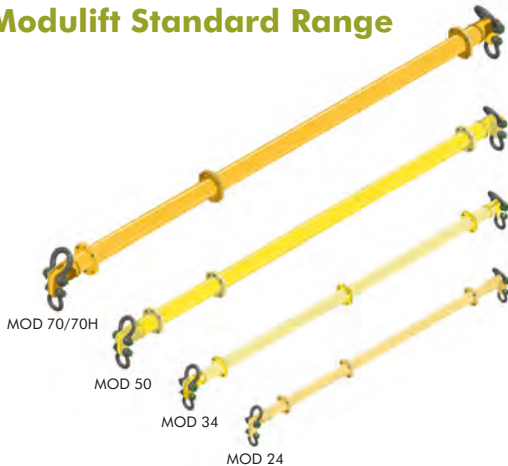
# Modulift Spreader Beams

The Modulift range of spreader beam assemblies offers a wide range of spans, configurations and capacities to suit your wide and varied lifting needs. Our sizes range from 24t to 1000t with spans available from 0.5m to over 30m.

## Selecting your beam

- Determine the rigging plan and type of beam to be used
- Select span
- Select capacity
- Determine STV (sling to vertical) and consider any headroom restrictions
- Call us with all of this information and we will provide a detailed specification and quotation

## Modulift Standard Range



## Modulift Heavy Range



## Modulift CMOD Range

The CMOD is a modular frame utilising corner units which are compatible with existing spreader beam struts and is modular in length and width. Every CMOD spreader frame consists of 4 x corner units, with intermediate struts that can be bolted into the assembly to achieve different spans.

Even the largest CMOD can be easily transported as the frame is broken down into modular parts, saving the cost of specialist transportation.



Trunnion End

## Trunnion Spreader Beam

Available on sizes MOD 250 and above, this beam provides a shackle free lifting solution that revolutionises the rigging industry by offering an efficient, lightweight and economic option.

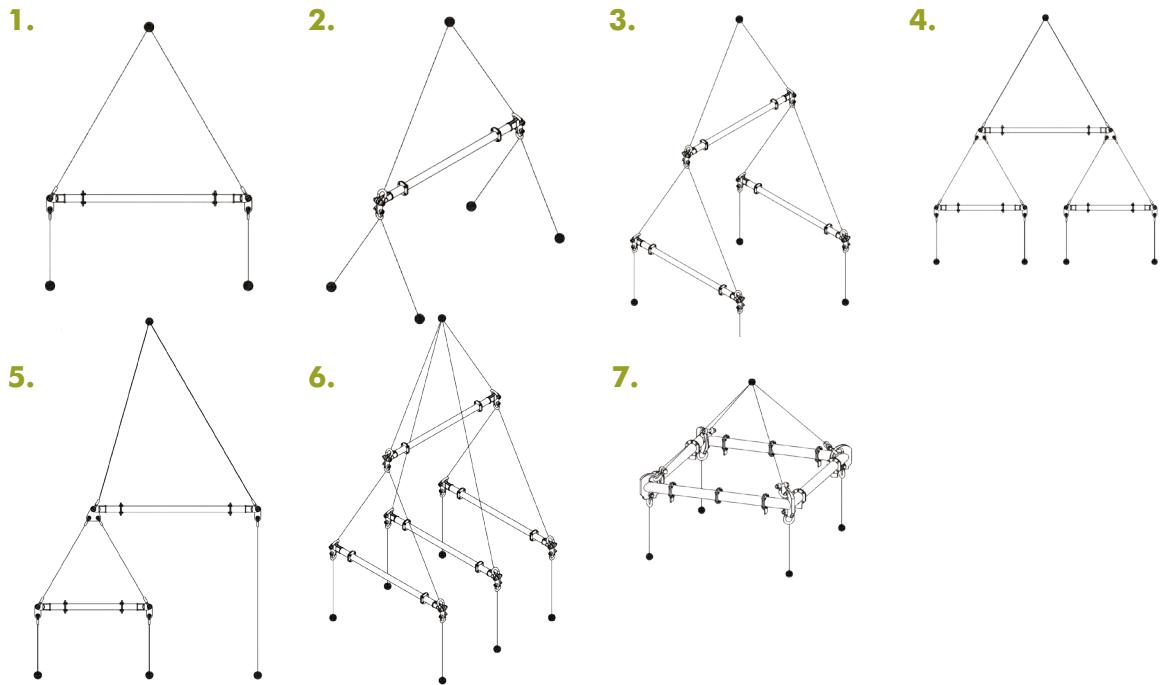
It reduces the cost of rigging by up to 50%. Compared to similar applications, the rigging up phase can take up to half the duration therefore saving time and money.

- Reduce your rigging weight
- Reduce your health and safety concerns

# Modulift Spreader Beams

## Rigging Options

- For extremely low headroom applications Modulift can design and fabricate a bespoke lifting frame to suit your exact requirements
- Our technical team are available to provide recommendations on your lift plan. Send us details of your lift including weight, lifting points and position, height restrictions, load type, centre of gravity (COG) position, crane type and lifting environment



## Your Guide to Some of the Configurations Available to You

### 1. Simple Single Beam 2 Point Lift

A single Spreader Beam is the simplest configuration and is suitable for 2 point lifts. The Spreader Beam absorbs the compression forces to protect the load being lifted.

### 2. Single Beam 4 Point Lift

This configuration again uses a single beam where the load being lifted has four individual lifting points.

### 3. 1-Over-2 Rig

We use this configuration when vertical slings are essential for 4 point lifts. By varying the sling lengths, we can also take into account an offset centre of gravity.

### 4. 1-Over-2 Inline Rig

Ideal for those lifts where the span is long and potential bending of the load is a problem. Further cascading layers are available to increase the number of lifting points.

### 5. 1-Over-1

Where there are an uneven number of points to lift from, a 1 over 1 system can be used to lift the load whilst still providing a balanced rig.

### 6. Various Multi Spreader Beam Rigs

With our expert help we can address most lifting issues using a combination of our products to fit the application and the circumstances.

### 7. CMOD Spreader Frame

The CMOD spreader frame uses corner units to connect existing Modulift struts into a 4 point modular spreader frame. This uses less headroom than a 1 over 2 rig.



# Modulift Spreader Beams

## MOD 24 Spreader Beams

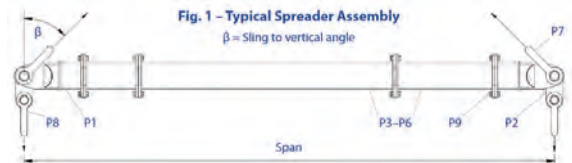
- Rated at 24t SWL at 5m span (30° STV)
- 'Sling to Vertical' angle, 45° or less
- End Units and Drop Links are rated at 12t WLL each

Please refer to the table below for load ratings at alternative sling to vertical (STV) angles and beam lengths.

Span (m)	MOD 24					
	Sling to Vertical Angle (STV)					
	45°		30°		20°	
	SWL (t)	Min. Top Sling Length (m)	SWL (t)	Min. Top Sling Length (m)	SWL (t)	Min. Top Sling Length (m)
1.0	24	0.6	24	0.9	24	1.3
1.5	24	0.9	24	1.4	24	2.1
2.0	24	1.3	24	1.9	24	2.8
2.5	24	1.7	24	2.4	24	3.5
3.0	24	2.0	24	2.9	24	4.3
3.5	24	2.4	24	3.4	24	5.0
4.0	23	2.7	24	3.9	24	5.7
4.5	19	3.1	24	4.4	24	6.5
5.0	16	3.4	24	4.9	24	7.2
5.5	13	3.8	23	5.4	24	7.9
6.0	11	4.1	19	5.9	24	8.7
6.5	9	4.5	16	6.4	24	9.4
7.0	8	4.8	14	6.9	22	10.1
7.5	6	5.2	12	7.4	19	10.8
8.0	6	5.5	11	7.9	16	11.6

### MOD 24

Product Code	Model	Description	Weight Item (kg)
H050220240	P1	End Unit	17
H050230240	P2	Drop Link	5
H050250248	P3	2.0m Strut	41
H050250246	P4	1.0m Strut	24
H050250243	P5	0.5m Strut	16
H550210170	P6	17t Safety Shackle	8
H550210120	P7	12t Safety Shackle	5
	P8	M20 x 50, Grade 8.8 HT Bolts, Nuts & Washers	





# Modulift Spreader Beams

## MOD 50 Spreader Beams

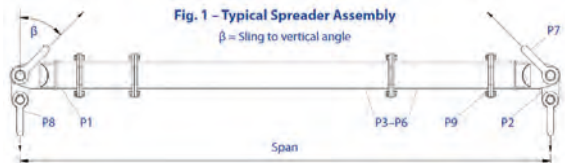
- Rated at 50t SWL at 8m span (30° STV)
- 'Sling to Vertical' angle, 45° or less
- End Units and Drop Links are rated at 25t WLL each

Please refer to the table below for load ratings at alternative sling to vertical (STV) angles and beam lengths.



Span (m)	MOD 50					
	Sling to Vertical Angle (STV)					
	45°		30°		20°	
	SWL (t)	Min. Top Sling Length (m)	SWL (t)	Min. Top Sling Length (m)	SWL (t)	Min. Top Sling Length (m)
1.0	50	0.5	50	0.8	50	1.3
1.5	50	0.9	50	1.3	50	2.0
2.0	50	1.2	50	1.8	50	2.7
2.5	50	1.6	50	2.3	50	3.5
3.0	50	1.9	50	2.8	50	4.2
3.5	50	2.3	50	3.3	50	4.9
4.0	50	2.7	50	3.8	50	5.7
4.5	50	3.0	50	4.3	50	6.4
5.0	50	3.4	50	4.8	50	7.1
5.5	50	3.7	50	5.3	50	7.9
6.0	50	4.1	50	5.8	50	8.6
6.5	44	4.4	50	6.3	50	9.3
7.0	39	4.8	50	6.8	50	10.1
7.5	34	5.1	50	7.3	50	10.8
8.0	30	5.5	50	7.8	50	11.5
8.5	26	5.8	46	8.3	50	12.3
9.0	24	6.2	42	8.8	50	13.0
9.5	21	6.5	37	9.3	50	13.7
10.0	19	6.9	34	9.8	50	14.4
11.0	15	7.6	26	10.8	43	15.9
12.0	12	8.3	22	11.8	35	17.4
13.0	10	9.0	18	12.8	28	18.8

MOD 50			
Product Code	Model	Description	Weight Item (kg)
H050220500	P1	End Unit	38
H050230500	P2	Drop Link	11
H050250509	P3	4.0m Strut	140
H050250508	P4	2.0m Strut	82
H050250506	P5	1.0m Strut	53
H050250503	P6	0.5m Strut	38
H550210350	P7	35t Safety Shackle	20
H550210250	P8	25t Safety Shackle	14
	P9	M20 x 65, Grade 8.8, HT Bolts, Nuts & Washers	





# Modulift Spreader Beams

## MOD 70 Spreader Beams

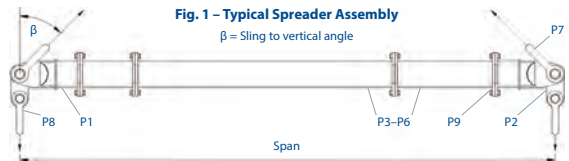
- Rated at 70t SWL at 10.5m span (30° STV)
- 'Sling to Vertical' angle, 45° or less
- End Units and Drop Links are rated at 35t WLL each

Please refer to the table below for load ratings at alternative sling to vertical (STV) angles and beam lengths.

RIGGING

Span (m)	MOD 70					
	Sling to Vertical Angle (STV)					
	45°		30°		20°	
	SWL (t)	Min. Top Sling Length (m)	SWL (t)	Min. Top Sling Length (m)	SWL (t)	Min. Top Sling Length (m)
1.0	70	0.5	70	0.8	70	1.2
1.5	70	0.8	70	1.3	70	2.0
2.0	70	1.2	70	1.8	70	2.7
2.5	70	1.5	70	2.3	70	3.4
3.0	70	1.9	70	2.8	70	4.1
3.5	70	2.2	70	3.3	70	4.9
4.0	70	2.6	70	3.8	70	5.6
4.5	70	2.9	70	4.3	70	6.3
5.0	70	3.3	70	4.8	70	7.1
5.5	70	3.6	70	5.3	70	7.8
6.0	70	4.0	70	5.8	70	8.5
6.5	70	4.4	70	6.3	70	9.3
7.0	70	4.7	70	6.8	70	10.0
7.5	70	5.1	70	7.3	70	10.7
8.0	68	5.4	70	7.8	70	11.5
8.5	61	5.8	70	8.3	70	12.2
9.0	55	6.1	70	8.8	70	12.9
9.5	49	6.5	70	9.3	70	13.6
10.0	44	6.8	70	9.8	70	14.4
11.0	36	7.5	64	10.8	70	15.8
12.0	29	8.2	49	11.8	70	17.3
13.0	24	9.0	43	12.8	69	18.8
14.0	20	9.7	36	13.8	57	20.2

MOD 70			
Product Code	Model	Description	Weight item (kg)
H050220700	P1	End Unit	56
H050230700	P2	Drop Link	17
H050250709	P3	4.0m Strut	240
H050250708	P4	2.0m Strut	136
H050250706	P5	1.0m Strut	85
H050250703	P6	0.5m Strut	61
H550210550	P7	55t Safety Shackle	40
H550210350	P8	35t Safety Shackle	20
	P9	M20 x 65, Grade 8.8 HT Bolts, Nuts & Washers	





# Modulift Spreader Beams

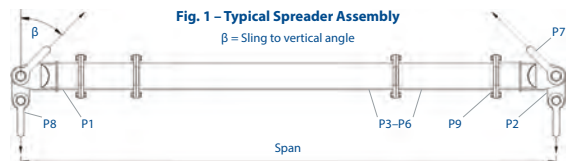
## MOD 70H Spreader Beams

- Rated at 100t SWL at 8.5m span (30° STV)
- ‘Sling to Vertical’ angle, 45° or less
- End Units and Drop Links are rated at 50t WLL each

Please refer to the table below for load ratings at alternative sling to vertical (STV) angles and beam lengths.

Span (m)	MOD 70H					
	Sling to Vertical Angle (STV)					
	45°		30°		20°	
	SWL (t)	Min. Top Sling Length (m)	SWL (t)	Min. Top Sling Length (m)	SWL (t)	Min. Top Sling Length (m)
1.0	100	0.4	100	0.7	100	1.1
1.5	100	0.7	100	1.2	100	1.9
2.0	100	1.1	100	1.7	100	2.6
2.5	100	1.4	100	2.2	100	3.3
3.0	100	1.8	100	2.7	100	4.1
3.5	100	2.2	100	3.2	100	4.8
4.0	100	2.5	100	3.7	100	5.5
4.5	100	2.9	100	4.2	100	6.3
5.0	100	3.2	100	4.7	100	7.0
5.5	100	3.6	100	5.2	100	7.7
6.0	100	3.9	100	5.7	100	8.5
6.5	96	4.3	100	6.2	100	9.2
7.0	86	4.6	100	6.7	100	9.9
7.5	77	5.0	100	7.2	100	10.6
8.0	68	5.3	100	7.7	100	11.4
8.5	61	5.7	100	8.2	100	12.1
9.0	55	6.0	96	8.7	100	12.8
9.5	49	6.4	86	9.2	100	13.6
10.0	44	6.8	78	9.7	100	14.3
11.0	36	7.5	64	10.7	100	15.8
12.0	29	8.2	49	11.7	83	17.2
13.0	24	8.9	43	12.7	69	18.7
14.0	20	9.6	36	13.7	57	20.1

MOD 70H			
Product Code	Model	Description	Weight item (kg)
H050221000	P1	End Unit	58
H050231000	P2	Drop Link	32
H050250709	P3	4.0m Strut	240
H050250708	P4	2.0m Strut	136
H050250706	P5	1.0m Strut	85
H050250703	P6	0.5m Strut	61
H550210850	P7	85t Safety Shackle	62
H550210550	P8	55t Safety Shackle	40
	P9	M20 x 65, Grade 8.8 HT Bolts, Nuts & Washers	



RIGGING



# Modulift Spreader Beams

## MOD110 Spreader Beams

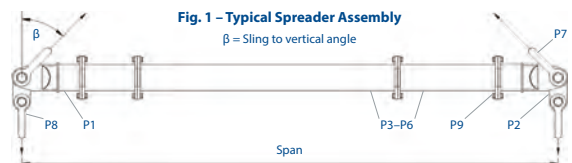
- Rated at 110t SWL at 14m span (30° STV)
- 'Sling to Vertical' angle, 45° or less
- End Units and Drop Links are rated at 55t WLL each

Please refer to the table below for load ratings at alternative sling to vertical (STV) angles and beam lengths.

Span (m)	MOD 110					
	Sling to Vertical Angle (STV)					
	45°		30°		20°	
	SWL (t)	Min. Top Sling Length (m)	SWL (t)	Min. Top Sling Length (m)	SWL (t)	Min. Top Sling Length (m)
2.0	110	1.1	110	1.7	110	2.6
2.5	110	1.4	110	2.2	110	3.3
3.0	110	1.8	110	2.7	110	4.1
3.5	110	2.2	110	3.2	110	4.8
4.0	110	2.5	110	3.7	110	5.5
4.5	110	2.9	110	4.2	110	6.3
5.0	110	3.2	110	4.7	110	7.0
5.5	110	3.6	110	5.2	110	7.7
6.0	110	3.9	110	5.7	110	8.5
6.5	110	4.3	110	6.2	110	9.2
7.0	110	4.6	110	6.7	110	9.9
7.5	110	5.0	110	7.2	110	10.6
8.0	110	5.3	110	7.7	110	11.4
8.5	110	5.7	110	8.2	110	12.1
9.0	110	6.0	110	8.7	110	12.8
9.5	110	6.4	110	9.2	110	13.6
10.0	110	6.8	110	9.7	110	14.3
11.0	107	7.5	110	10.7	110	15.8
12.0	91	8.2	110	11.7	110	17.2
13.0	78	8.9	110	12.7	110	18.7
14.0	67	9.6	110	13.7	110	20.1
15.0	57	10.3	100	14.7	110	21.6
16.0	48	11.0	85	15.7	110	23.1
17.0	41	11.7	73	16.7	110	24.5
18.0	35	12.4	60	17.7	101	26.0

### MOD 110

Product Code	Model	Description	Weight item (kg)
H050221100	P1	End Unit	178
H050231100	P2	Drop Link	45
H050251109	P3	4.0m Strut	367
H050251108	P4	2.0m Strut	212
H050251106	P5	1.0m Strut	134
H050251103	P6	0.5m Strut	96
H550210850	P7	85t Safety Shackle	62
H550210550	P8	55t Safety Shackle	40
	P9	M20 x 65, Grade 8.8 HT Bolts, Nuts & Washers	



# Modulift Spreader Beams

## MOD110H Spreader Beams

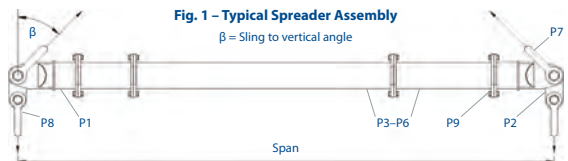
- Rated at 170t SWL at 11.5m span (30° STV)
- 'Sling to Vertical' angle, 45° or less
- End Units and Drop Links are rated at 85t WLL each

Please refer to the table below for load ratings at alternative sling to vertical (STV) angles and beam lengths.



Span (m)	MOD 110H					
	Sling to Vertical Angle (STV)					
	45°		30°		20°	
	SWL (t)	Min. Top Sling Length (m)	SWL (t)	Min. Top Sling Length (m)	SWL (t)	Min. Top Sling Length (m)
2.0	167	1.0	170	1.6	170	2.5
2.5	167	1.4	170	2.1	170	3.3
3.0	167	1.7	170	2.6	170	4.0
3.5	167	2.1	170	3.1	170	4.7
4.0	167	2.4	170	3.6	170	5.5
4.5	167	2.8	170	4.1	170	6.2
5.0	167	3.1	170	4.6	170	6.9
5.5	167	3.5	170	5.1	170	7.6
6.0	167	3.8	170	5.6	170	8.4
6.5	167	4.2	170	6.1	170	9.1
7.0	167	4.6	170	6.6	170	9.8
7.5	167	4.9	170	7.1	170	10.6
8.0	167	5.3	170	7.6	170	11.3
8.5	158	5.6	170	8.1	170	12.0
9.0	146	6.0	170	8.6	170	12.8
9.5	134	6.3	170	9.1	170	13.5
10.0	126	6.7	170	9.6	170	14.2
11.0	107	7.4	170	10.6	170	15.7
12.0	91	8.1	160	11.6	170	17.1
13.0	78	8.8	137	12.6	170	18.6
14.0	67	9.5	117	13.6	170	20.1
15.0	57	10.2	100	14.6	159	21.5
16.0	48	10.9	85	15.6	137	23.0
17.0	41	11.6	73	16.6	117	24.5
18.0	35	12.3	60	17.6	101	25.9

MOD 110H			
Product Code	Model	Description	Weight item (kg)
H050221670	P1	End Unit	178
H050231670	P2	Drop Link	55
H050251109	P3	4.0m Strut	367
H050251108	P4	2.0m Strut	212
H050251106	P5	1.0m Strut	134
H050251103	P6	0.5m Strut	96
H550211200	P7	120t Safety Shackle	110
H550210850	P8	85t Safety Shackle	62
	P9	M20 x 65, Grade 8.8 HT Bolts, Nuts & Washers	



# Modulift Spreader Beams

## MOD110SH Spreader Beams

- Rated at 240t SWL at 10.5m span (30° STV)
- 'Sling to Vertical' angle, 45° or less
- End Units and Drop Links are rated at 120t WLL each

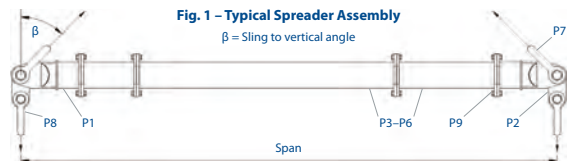
Please refer to the table below for load ratings at alternative sling to vertical (STV) angles and beam lengths.



Span (m)	MOD 110SH					
	Sling to Vertical Angle (STV)					
	45°		30°		20°	
	SWL (t)	Min. Top Sling Length (m)	SWL (t)	Min. Top Sling Length (m)	SWL (t)	Min. Top Sling Length (m)
2.0	210	1.0	240	1.6	240	2.5
2.5	210	1.4	240	2.1	240	3.2
3.0	210	1.7	240	2.6	240	4.0
3.5	210	2.1	240	3.1	240	4.7
4.0	210	2.4	240	3.6	240	5.4
4.5	210	2.8	240	4.1	240	6.2
5.0	210	3.1	240	4.6	240	6.9
5.5	210	3.5	240	5.1	240	7.6
6.0	210	3.8	240	5.6	240	8.4
6.5	210	4.2	240	6.1	240	9.1
7.0	210	4.5	240	6.6	240	9.8
7.5	210	4.9	240	7.1	240	10.6
8.0	210	5.2	240	7.6	240	11.3
8.5	195	5.6	240	8.1	240	12.0
9.0	181	6.0	240	8.6	240	12.7
9.5	167	6.3	240	9.1	240	13.5
10.0	155	6.7	240	9.6	240	14.2
11.0	132	7.4	225	10.6	240	15.7
12.0	112	8.1	195	11.6	240	17.1
13.0	96	8.8	167	12.6	240	18.6
14.0	81	9.5	142	13.6	225	20.1
15.0	69	10.2	121	14.6	191	21.5
16.0	56	10.9	97	15.6	153	23.0
17.0	37	11.6	65	16.6	103	24.4

RIGGING

MOD 110SH			
Product Code	Model	Description	Weight item (kg)
H050222100	P1	End Unit	192
H050232100	P2	Drop Link	90
H050252109	P3	4.0m Strut	442
H050252108	P4	2.0m Strut	249
H050252106	P5	1.0m Strut	153
H050252103	P6	0.5m Strut	105
H550211500	P7	150t Safety Shackle	160
H550211200	P8	120t Safety Shackle	110
	P9	M20 x 65, Grade 8.8 HT Bolts, Nuts & Washers	



# Modulift Spreader Beams

## MOD250/250 Spreader Beams

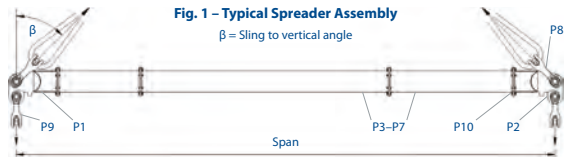
- Rated at 250t SWL at 14m span (30° STV)
- ‘Sling to Vertical’ angle, 45° or less
- End Units and Drop Links are rated at 125t WLL each

Please refer to the table below for load ratings at alternative sling to vertical (STV) angles and beam lengths.



Span (m)	MOD 250/250					
	Sling to Vertical Angle (STV)					
	45°		30°		20°	
	SWL (t)	Min. Top Sling Length (m)	SWL (t)	Min. Top Sling Length (m)	SWL (t)	Min. Top Sling Length (m)
2	250	0.9	250	1.5	250	2.4
3	250	1.6	250	2.5	250	3.9
4	250	2.3	250	3.5	250	5.4
5	250	3.1	250	4.5	250	6.8
6	250	3.8	250	5.5	250	8.3
7	250	4.5	250	6.5	250	9.7
8	250	5.2	250	7.5	250	11.2
9	250	5.9	250	8.5	250	12.7
10	250	6.6	250	9.5	250	14.1
11	234	7.3	250	10.5	250	15.6
12	204	8.0	250	11.5	250	17.1
13	178	8.7	250	12.5	250	18.5
14	158	9.4	250	13.5	250	20.0
15	138	10.1	235	14.5	250	21.4
16	120	10.8	211	15.5	250	22.9
17	105	11.5	185	16.5	250	24.4
18	91	12.2	160	17.5	250	25.8
19	80	13.0	141	18.5	226	27.3
20	69	13.7	122	19.5	196	28.8
21	59	14.4	106	20.5	171	30.2

MOD 250/250			
Product Code	Model	Description	Weight item (kg)
H050222500	P1	End Unit WLL 125t	365
H050232500	P2	Drop Link WLL 125t	90
H050252509	P3	6.0m Strut	860
H050252508	P4	3.0m Strut	495
H050252506	P5	2.0m Strut	375
H050252503	P6	1.0m Strut	255
H050250501	P7	0.5m Strut	192
H550222000	P8	200t Wide Body Shackle	205
H550221250	P9	125t Wide Body Shackle	92
	P10	M24 x 80 Grade 8.8HT Bolts, Nuts & Washers	





# Modulift Spreader Beams

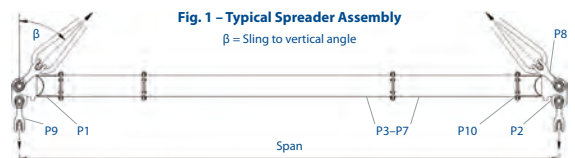
## MOD 400/400 Spreader Beams

- Rated at 400t SWL at 17m span (30° STV)
- 'Sling to Vertical' angle, 45° or less
- End Units and Drop Links are rated at 200t WLL each

Please refer to the table below for load ratings at alternative sling to vertical (STV) angles and beam lengths.

Span (m)	MOD 400/400					
	Sling to Vertical Angle (STV)					
	45°		30°		20°	
	SWL (t)	Min. Top Sling Length (m)	SWL (t)	Min. Top Sling Length (m)	SWL (t)	Min. Top Sling Length (m)
2	400	0.8	400	1.4	400	2.3
3	400	1.5	400	2.4	400	3.8
4	400	2.2	400	3.4	400	5.2
5	400	2.9	400	4.4	400	6.7
6	400	3.6	400	5.4	400	8.2
7	400	4.3	400	6.4	400	9.6
8	400	5.0	400	7.4	400	11.1
9	400	5.7	400	8.4	400	12.5
10	400	6.5	400	9.4	400	14.0
11	400	7.2	400	10.4	400	15.5
12	400	7.9	400	11.4	400	16.9
13	391	8.6	400	12.4	400	18.4
14	349	9.3	400	13.4	400	19.8
15	316	10.0	400	14.4	400	21.3
16	283	10.7	400	15.4	400	22.8
17	253	11.4	400	16.4	400	24.2
18	227	12.1	397	17.4	400	25.7
19	202	12.8	355	18.4	400	27.2
20	180	13.5	317	19.4	400	28.6
21	160	14.2	281	20.4	400	30.1
22	142	14.9	251	21.4	400	31.5
23	126	15.6	223	22.4	358	33.0
24	111	16.4	198	23.4	319	34.5

MOD 400/400			
Product Code	Model	Description	Weight item (kg)
H050224000	P1	End Unit WLL 200t	490
H050234000	P2	Drop Link WLL 200t	150
H050254009	P3	6.0m Strut	1365
H050254008	P4	3.0m Strut	785
H050254006	P5	2.0m Strut	590
H050254003	P6	1.0m Strut	395
H050254001	P7	0.5m Strut	286
H550223000	P8	300t Wide Body Shackle	360
H550222000	P9	200t Wide Body Shackle	205
	P10	M24 x 90 Grade 8.8 HT Bolts, Nuts & Washers	







# Modulift Spreader Beams

## MOD 400/600 Spreader Beams

- Rated at 600t SWL at 14m span (30° STV)
- 'Sling to Vertical' angle, 45° or less
- End Units and Drop Links are rated at 300t WLL each

Please refer to the table below for load ratings at alternative sling to vertical (STV) angles and beam lengths.

Span (m)	MOD 400/600					
	Sling to Vertical Angle (STV)					
	45°		30°		20°	
	SWL (t)	Min. Top Sling Length (m)	SWL (t)	Min. Top Sling Length (m)	SWL (t)	Min. Top Sling Length (m)
2	559	0.8	600	1.4	600	2.3
3	559	1.5	600	2.4	600	3.8
4	559	2.2	600	3.4	600	5.2
5	559	2.9	600	4.4	600	6.7
6	559	3.6	600	5.4	600	8.2
7	559	4.3	600	6.4	600	9.6
8	559	5.1	600	7.4	600	11.1
9	556	5.8	600	8.4	600	12.6
10	515	6.5	600	9.4	600	14.0
11	473	7.2	600	10.4	600	15.5
12	432	7.9	600	11.4	600	16.9
13	391	8.6	600	12.4	600	18.4
14	349	9.3	600	13.4	600	19.9
15	316	10.0	551	14.4	600	21.3
16	283	10.7	495	15.4	600	22.8
17	253	11.4	443	16.4	600	24.2
18	227	12.1	397	17.4	600	25.7
19	202	12.8	355	18.4	566	27.2
20	180	13.5	317	19.4	506	28.6
21	160	14.2	281	20.4	450	30.1
22	142	15.0	251	21.4	401	31.6
23	126	15.7	223	22.4	358	33.0
24	111	16.4	198	23.4	319	34.5

MOD 400/600			
Product Code	Model	Description	Weight item (kg)
H050225590	P1	End Unit WLL 300t	610
H050235590	P2	Drop Link WLL 300t	150
H050254009	P3	6.0m Strut	1365
H050254008	P4	3.0m Strut	785
H050254006	P5	2.0m Strut	590
H050254003	P6	1.0m Strut	395
H050254001	P7	0.5m Strut	286
H550224000	P8	400t Wide Body Shackle	580
H550223000	P9	300t Wide Body Shackle	360
	P10	M24 x 90 Grade 8.8HT Bolts Nuts & Washers	

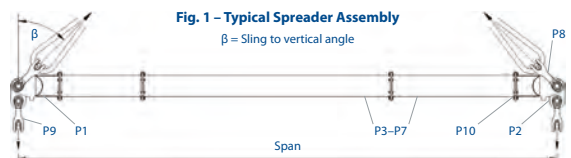


Fig. 1 – Typical Spreader Assembly  
β = Sling to vertical angle

# Modulift Spreader Beams

## MOD 600XB/400 Spreader Beams

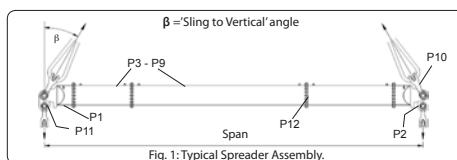
- Rated at 400t SWL at 25m span (30° STV)
- 'Sling to Vertical' angle, 45° or less
- End Units and Drop Links are rated at 200t WLL each

Please refer to the table below for load ratings at alternative sling to vertical (STV) angles and beam lengths.



Span (m)	MOD 600XB/400			
	Sling to Vertical Angle (STV)			
	45°		30°	
	SWL (t)	Min. Top Sling Length (m)	SWL (t)	Min. Top Sling Length (m)
2	285	1.0	400	2
3	285	2.0	400	3
4	285	2.5	400	4
5	285	3.5	400	5
6	285	4.0	400	6
7	285	4.5	400	7
8	285	5.5	400	8
9	285	6.0	400	9
10	285	7.0	400	10
11	285	7.5	400	11
12	285	8.5	400	12
13	285	9.0	400	13
14	285	9.5	400	14
15	285	10.5	400	15
16	285	11.0	400	16
17	285	12.0	400	17
18	285	12.5	400	18
19	285	13.0	400	19
20	285	14.0	400	20
21	285	14.5	400	21
22	285	15.0	400	22
23	285	15.5	400	23
24	260	17.0	400	24
25	234	17.5	400	25
26	209	18.0	373	26

MOD 600XB/400			
Product Code	Model	Description	Weight item (kg)
H050222850	P1	End Unit WLL 200t	670
H050232850	P2	Drop Link WLL 200t	150
H050252859	P3	6.0m Strut	2665
H050252858	P4	5.0m Strut	2265
H050252857	P5	4.0m Strut	1865
H050252856	P6	3.0m Strut	1470
H050252855	P7	2.0m Strut	1070
H050252854	P8	1.0m Strut	675
H050252853	P9	0.5m Strut	475
H550223000	P10	300t Wide Body Shackle	360
H550222000	P11	200t Wide Body Shackle	205
	P12	M24x90 Grade 10.9 HT Bolts, Nuts & Washers	





# Modulift Spreader Beams

## MOD 600XB/600 Spreader Beams

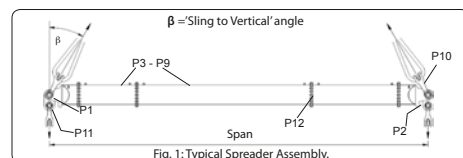
- Rated at 600t SWL at 21m span (30° STV)
- 'Sling to Vertical' angle, 45° or less
- End Units and Drop Links are rated at 200t WLL each

Please refer to the table below for load ratings at alternative sling to vertical (STV) angles and beam lengths.

Span (m)	MOD 600XB/600			
	Sling to Vertical Angle (STV)			
	45°		30°	
	SWL (t)	Min. Top Sling Length (m)	SWL (t)	Min. Top Sling Length (m)
2	415	1.0	600	2
3	415	2.0	600	3
4	415	2.5	600	4
5	415	3.5	600	5
6	415	4.0	600	6
7	415	4.5	600	7
8	415	5.5	600	8
9	415	6.0	600	9
10	415	7.0	600	10
11	415	7.5	600	11
12	415	8.5	600	12
13	415	9.0	600	13
14	415	9.5	600	14
15	415	10.5	600	15
16	415	11.0	600	16
17	415	12.0	600	17
18	415	12.5	600	18
19	415	13.0	600	19
20	391	14.0	600	20
21	354	14.5	600	21
22	320	15.0	565	22
23	289	15.5	512	23
24	260	17.0	461	24
25	234	17.5	416	25
26	209	18.0	373	26

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MOD 600XB/600			
Product Code	Model	Description	Weight item (kg)
H050224150	P1	End Unit WLL 300t	770
H050234150	P2	Drop Link WLL 300t	180
H050254159	P3	6.0m Strut	2665
H050254158	P4	5.0m Strut	2265
H050254157	P5	4.0m Strut	1865
H050254156	P6	3.0m Strut	1470
H050254155	P7	2.0m Strut	1070
H050254154	P8	1.0m Strut	675
H050254153	P9	0.5m Strut	475
H550224000	P10	400t Wide Body Shackle	580
H550223000	P11	300t Wide Body Shackle	360
	P12	M24x90 Grade 10.9 HT Bolts, Nuts & Washers	



# Modulift Spreader Beams

## MOD 600XB/800 Spreader Beams

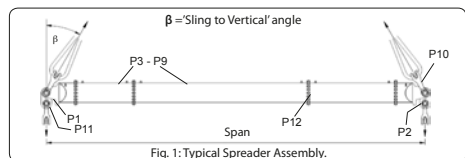
- Rated at 800t SWL at 18m span (30° STV)
- 'Sling to Vertical' angle, 45° or less
- End Units and Drop Links are rated at 200t WLL each

Please refer to the table below for load ratings at alternative sling to vertical (STV) angles and beam lengths.



Span (m)	MOD 600XB/800			
	Sling to Vertical Angle (STV)			
	45°		30°	
	SWL (t)	Min. Top Sling Length (m)	SWL (t)	Min. Top Sling Length (m)
2	565	1.0	800	2
3	565	2.0	800	3
4	565	2.5	800	4
5	565	3.5	800	5
6	565	4.0	800	6
7	565	4.5	800	7
8	565	5.5	800	8
9	565	6.0	800	9
10	565	7.0	800	10
11	565	7.5	800	11
12	565	8.5	800	12
13	565	9.0	800	13
14	565	9.5	800	14
15	565	10.5	800	15
16	559	11.0	800	16
17	514	12.0	800	17
18	469	12.5	800	18
19	427	13.0	749	19
20	391	14.0	688	20
21	354	14.5	623	21
22	320	15.5	565	22
23	289	16.0	512	23
24	260	17.0	461	24
25	234	17.5	416	25
26	209	18.0	373	26

MOD 600XB/800			
Product Code	Model	Description	Weight item (kg)
H050225650	P1	End Unit WLL 400t	860
H050235650	P2	Drop Link WLL 400t	260
H050255659	P3	6.0m Strut	2665
H050255658	P4	5.0m Strut	2265
H050255657	P5	4.0m Strut	1865
H050255656	P6	3.0m Strut	1470
H050255655	P7	2.0m Strut	1070
H050255654	P8	1.0m Strut	675
H050255653	P9	0.5m Strut	475
H550225000	P10	500t Wide Body Shackle	780
H550224000	P11	400t Wide Body Shackle	580
	P12	M24x90 Grade 10.9 HT Bolts, Nuts & Washers	





# Modulift Spreader Beams

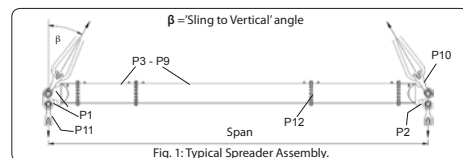
## MOD 600XB/1000 Spreader Beams

- Rated at 1000t SWL at 15m span (30° STV)
- 'Sling to Vertical' angle, 45° or less
- End Units and Drop Links are rated at 200t WLL each

Please refer to the table below for load ratings at alternative sling to vertical (STV) angles and beam lengths.

Span (m)	MOD 600XB/1000			
	Sling to Vertical Angle (STV)			
	45°		30°	
	SWL (t)	Min. Top Sling Length (m)	SWL (t)	Min. Top Sling Length (m)
2	575	1.0	1000	2
3	575	2.0	1000	3
4	575	2.5	1000	4
5	575	3.5	1000	5
6	575	4.0	1000	6
7	575	4.5	1000	7
8	575	5.5	1000	8
9	575	6.0	1000	9
10	575	7.0	1000	10
11	575	7.5	1000	11
12	575	8.5	1000	12
13	575	9.0	1000	13
14	575	9.5	1000	14
15	575	10.5	1000	15
16	559	11.0	977	16
17	514	12.0	899	17
18	469	12.5	821	18
19	427	13.0	749	19
20	391	14.0	688	20
21	354	14.5	623	21
22	320	15.5	565	22
23	289	16.0	512	23
24	260	17.0	461	24
25	234	17.5	416	25
26	209	18.0	373	26

MOD 600XB/1000			
Product Code	Model	Description	Weight item (kg)
H550225750	P1	End Unit WLL 500t	870
H550235750	P2	Drop Link WLL 500t	385
H550255759	P3	6.0m Strut	2665
H550255758	P4	5.0m Strut	2265
H550255757	P5	4.0m Strut	1865
H550255756	P6	3.0m Strut	1470
H550255755	P7	2.0m Strut	1070
H550255754	P8	1.0m Strut	675
H550255753	P9	0.5m Strut	475
H550226000	P10	600t Wide Body Shackle	980
H550225000	P11	500t Wide Body Shackle	780
	P12	M24x90 Grade 10.9 HT Bolts, Nuts & Washers	



# Modulift Spreader Frames

## CMOD Spreader Frames

- Six sizes: CMOD 6, 12, 24, 50, 70, 110
- Spans 0.5m to 16m
- Capacities 6t to 140t
- Refer to load charts below and opposite for capacities at varying lengths and sling angles



### Load Charts – CMOD 6, 12 & 24

CMOD 6: SWL/t @ 60° ISA / 30° STV / 60° BSA					
2.5					8
2				8	8
1.5			8	8	8
1		8	8	8	6
0.5	8	8	8	6	6
Span (m)	0.5	1	1.5	2	2.5

CMOD 6: SWL/t @ 90° ISA / 45° STV / 45° BSA					
2.5					6
2				6	6
1.5			6	6	6
1		6	6	6	4
0.5	6	6	6	4	4
Span (m)	0.5	1	1.5	2	2.5

CMOD 12: SWL/t @ 60° ISA / 30° STV / 60° BSA								
4								16
3.5							16	16
3					16	16	15	15
2.5				16	16	15	14	14
2			16	16	16	14	13	13
1.5		16	16	16	16	14	12	12
1		16	16	16	16	14	12	12
0.5	16	16	16	16	16	14	12	12
Span (m)	0.5	1	1.5	2	2.5	3	3.5	4

CMOD 12: SWL/t @ 90° ISA / 45° STV / 45° BSA								
4								9
3.5							9	9
3					9	9	8	8
2.5				9	9	8	8	8
2			9	9	9	8	7	7
1.5		9	9	9	9	8	6	6
1		9	9	9	9	8	6	6
0.5	9	9	9	9	9	8	6	6
Span (m)	0.5	1	1.5	2	2.5	3	3.5	4

CMOD 24: SWL/t @ 60° ISA / 30° STV / 60° BSA							
6							23
5					30	21	21
4				30	24	19	19
3			30	30	24	18	18
2		30	30	30	24	17	17
1	30	30	30	24	22	16	16
Span (m)	1	2	3	4	5	6	6

CMOD 24: SWL/t @ 90° ISA / 45° STV / 45° BSA							
6							13
5					17	12	12
4				19	13	10	10
3			19	19	13	10	10
2		19	19	17	13	9	9
1	19	19	19	13	12	9	9
Span (m)	1	2	3	4	5	6	6

# Load Charts – CMOD 50, 70 & 110

CMOD 50: SWL/t @ 60° ISA / 30° STV / 60° BSA

11													32
10									41	31			
9								50	39	29			
8							50	48	37	28			
7						60	50	45	35	27			
6				60	60	50	43	33	26				
5			60	60	60	50	40	32	25				
4		60	60	60	50	49	38	31	24				
3		60	60	60	60	50	47	37	30	23			
2	60	60	60	60	60	50	45	36	29	23			
1	60	60	60	60	60	60	50	44	35	28	22		
Span (m)	1	2	3	4	5	6	7	8	9	10	11		

CMOD 50: SWL/t @ 90° ISA / 45° STV / 45° BSA

11													18
10										23	17		
9									28	21	16		
8								28	27	20	15		
7							34	28	25	19	14		
6				40	34	28	24	18	14				
5			40	40	34	28	23	17	13				
4		50	40	40	28	28	21	17	13				
3		50	50	40	40	28	26	21	16	12			
2	50	50	50	40	34	28	25	20	16	12			
1	50	50	50	50	40	34	28	25	20	15	12		
Span (m)	1	2	3	4	5	6	7	8	9	10	11		

CMOD 70: SWL/t @ 60° ISA / 30° STV / 60° BSA

12													63
11										70	60		
10									80	70	58		
9								80	80	70	55		
8							80	80	80	67	53		
7						80	80	80	70	65	51		
6				80	80	80	70	60	62	49			
5			80	80	80	80	70	60	60	47			
4		80	80	80	80	80	70	60	58	46			
3		80	80	80	80	80	80	70	60	56	45		
2	80	80	80	80	80	80	80	70	60	55	44		
1	80	80	80	80	80	80	70	70	60	54	44		
Span (m)	1	2	3	4	5	6	7	8	9	10	11	12	

CMOD 70: SWL/t @ 90° ISA / 45° STV / 45° BSA

12													36
11										40	34		
10									40	40	33		
9									46	40	40	31	
8								57	46	40	38	30	
7						60	57	46	40	37	29		
6				60	60	57	40	34	35	28			
5			60	60	60	50	40	34	34	27			
4		60	60	60	60	50	40	34	33	26			
3		60	60	60	60	60	50	40	34	32	26		
2	60	60	60	60	60	60	50	40	34	31	25		
1	60	60	60	60	60	60	50	40	34	31	24		
Span (m)	1	2	3	4	5	6	7	8	9	10	11	12	

CMOD 110: SWL/t @ 60° ISA / 30° STV / 60° BSA

16														100										
15													100	100										
14												100	100	95										
13												110	100	95	90									
12												120	105	95	90	80								
11												140	120	100	95	80	80							
10												140	140	120	100	90	80	80						
9												140	140	140	120	95	85	75	75					
8												140	140	140	140	120	90	80	75	75				
7												140	140	140	140	140	110	80	75	75	75			
6												140	140	140	140	140	140	110	80	75	75	75		
5												140	140	140	140	140	140	120	90	80	75	75	75	
4												140	140	140	140	140	140	120	85	80	75	75	75	
3												140	140	140	140	140	140	120	110	85	80	75	75	70
2	140	140	140	140	140	140	140	140	130	110	95	85	80	75	70	70	70	70	70	70	70	70	70	70
Span (m)	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16									

CMOD 110: SWL/t @ 90° ISA / 45° STV / 45° BSA

16															60											
15														60	58											
14														70	58	55										
13														75	70	55	55									
12														85	75	65	55	50								
11														85	85	70	60	50	50							
10														85	85	85	70	60	50	45						
9														95	85	85	80	65	55	50	45					
8														95	95	85	85	70	60	55	45	45				
7														95	95	95	85	80	70	60	50	45	45			
6														95	95	95	90	80	80	70	55	50	45	43		
5														95	95	95	95	85	80	75	65	55	47	43	43	
4														95	95	95	95	95	85	80	75	60	50	45	43	43
3														95	95	95	95	95	80	75	65	55	48	45	43	40
2	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	80	75	60	50	48	45	40	40
Span (m)	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16											

CMOD250 also available, details on request

RIGGING



# Modulift Lattice Spreader Beams

## Lattice Spreader Beams

- The Modulift Lattice System (MLS) is a lightweight modular spreader suitable for long, light loads, and has been specially developed to suit roofing sheets
- Maximum spans from 6m up to 42m in 3m increments are achievable using this system
- Lower support slings must be attached to the frames every 2m to ensure a uniformly distributed load
- MLS has a capacity of 3t, and a maximum span that can lift roof sheets up to 45m (130ft) long at reduced capacities
- Maximum permitted overhang 1500mm per end

Lifting Points / Load Connection Points 6–24m Span																
Product Code	Spreader (m)	Configuration (frame types) 1, 2, 3													No. of Crossbeams	
H050500006	6	2	3	2											3 or 4	
H050500009	9	2	1	3	2									6		
H050500012	12	1	2	3	2	1							7			
H050500015	15	1	2	1	3	2	1						8			
H050500018	18	1	2	1	3	1	2	1					10			
H050500021	21	1	2	1	1	3	1	2	1				11			
H050500024	24	1	2	1	1	3	1	1	2	1				13		
H050500027	27	1	2	1	1	1	3	1	1	2	1			15		
H050500030	30	1	2	1	1	1	3	1	1	1	2	1			16	
H050500033	33	1	2	1	1	1	1	3	1	1	1	2	1			18
H050500036	36	2	1	2	1	1	2	3	2	1	1	2	1	2	19	
H050500042	42	2	1	1	2	1	1	2	3	2	1	1	2	1	2	21

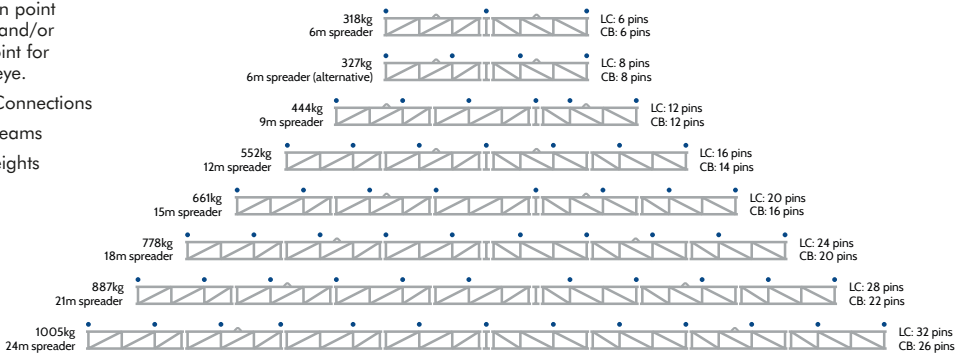
RIGGING

● = connection point for cross bar, and/or connection point for sling to weld eye.

LC = Lattice Connections

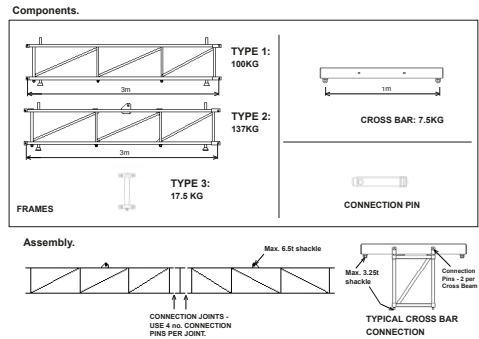
CB = Cross Beams

kg = Total Weights



Minimum Sling Lengths			
Spreader Length (m)	Sling Length (m)	Spreader Length (m)	Sling Length (m)
6	2.2	18	6.5
9	4.3	21	8.7
12	2.2	24	10.8
15	4.3	-	-

These sling lengths are essential to ensure the sling to vertical angle is less than 45°.

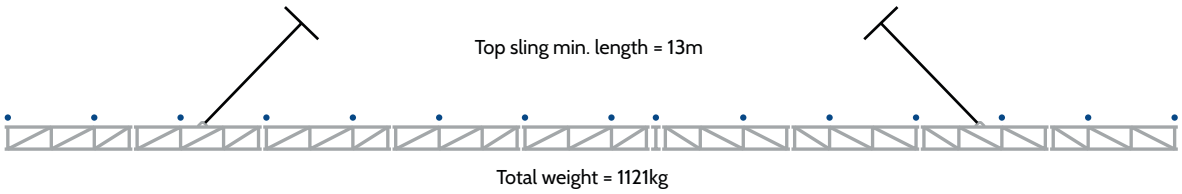




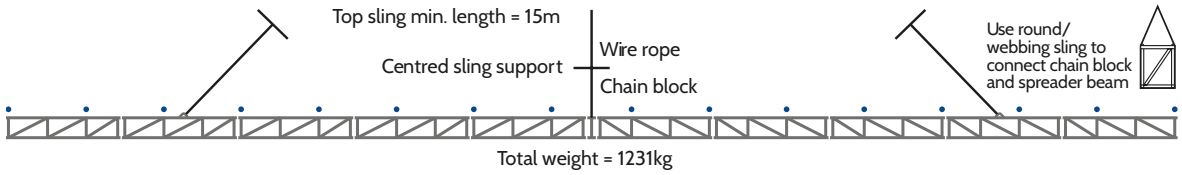
# Modulift Lattice Spreader Beams

## Lattice Spreader Beams / Assembly Details

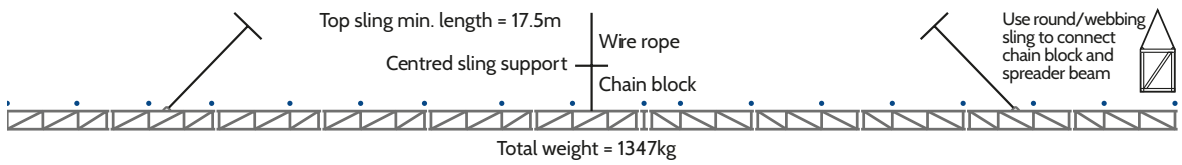
### Assembled 27m Lattice Spreader Beam



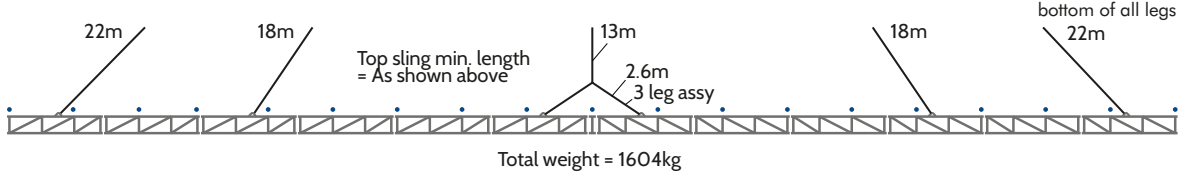
### Assembled 30m Lattice Spreader Beam



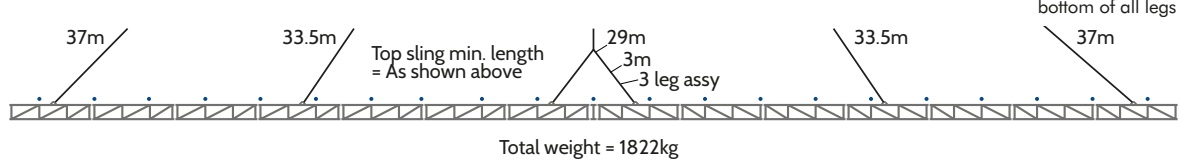
### Assembled 33m Lattice Spreader Beam



### Assembled 36m Lattice Spreader Beam



### Assembled 42m Lattice Spreader Beam





# Crane Forks & Material Skips

## Self Balancing Crane Fork

- Fork spacing infinitely adjustable manually from 450mm to 950mm
- Bearing ring for weight compensation infinitely adjustable manually or automatically by compression spring
- Working height adjustable by pin system from 1570mm to 1830mm
- Load capacities are quoted for a distance of 680mm between the bale arm and the centre of gravity of the load

Product Code	Load Cap. (kg)	Prong Cross Section (mm)	Effective Height (mm)	Height Under Load (mm)	Prong Length (mm)	Weight (kg)
H520010006	600	40/120	1100-1700	995	1000	160.0
H520010010	1000	40/90	1100-1700	995	1000	185.0
H520010015	1500	40/100	1100-1700	1010	1000	195.0
H520010020	2000	40/120	1100-1700	1065	1000	235.0
H520010030	3000	50/120	1100-1700	1065	1000	270.0



## Self-Discharge Boat Skip

- Specifically designed to meet the specific needs of moving waste around site with health and safety in mind
- Bespoke lock and release mechanism on the lifting arm this skip negates the need for personnel to be in the “danger area” while in use
- Automated tipping will increase efficiency and productivity

Product Code	Model	SWL (kg)	Capacity (l)	Length (mm)	Width (mm)	Height (mm)	Weight (kg)
H560100500	1045-500	1000	500	1960	1350	550	130.0
H560100750	1045-700	1500	750	2100	1350	645	165.0
H560101000	1045-1000	2000	1000	2200	1600	650	275.0
H560101500	1045-1500	3000	1500	2250	1750	950	425.0
H560102000	1045-2000	4000	2000	2600	1750	950	540.0
H560103000	1045-3000	6000	3000	3100	1950	1000	800.0
H560104000	1045-4000	8000	4000	3250	2050	1200	1320.0



# Access Cages & Gas Bottle Carriers

## Cranelift Man Cage

- Maximum lift two people
- Includes 4 leg chain sling
- Side entrance door
- Tool tray included

Product Code	Model	Load Cap. (kg)	Max Weight (kg)	Width (mm)	Length (mm)	Height (mm)	Height Folded (mm)	Prong Distance (mm)	Prong Cross Section (mm)	Weight (kg)
H420404250	1073.1	250	440	1100	1225	2350	-	600	80x200	190.0



## Stretcher Cage

- Maximum lift two people (injured person and first aider)
- Includes 4 leg chain sling
- Spring loaded doors at each end

Product Code	Model	Load Cap. (kg)	Max Weight (kg)	Width (mm)	Length (mm)	Height (mm)	Weight (kg)
H420500250	1075	250	700	880	2590	2125	450.0



## Gas Bottle Carrier

- Three models to suit the mixture of bottles to be transported
- Supplied with crane lift point and fork pockets as standard

Product Code	Capacity (kg)	No. of Bottles	Bottle Size (mm)	Height (mm)	Width (mm)	Length (mm)	Weight (kg)
H421000002	350	4 small	250	2010	600	870	60.0
H421000004	350	4 mixed	250 / 380	2010	750	1130	60.0
H421000006	525	6 small	250	2010	600	1130	100.0



## Block Grabs

### Scissor Block Grab SG-80

A mechanical grab universally suitable for use on building sites engaged in civil engineering work and paving work.

- The SG grab handles pack sizes without any gripping width adjustment
- Safe and easy transporting of un-palletised building materials such as vertically steel-strapped paving blocks, slabs and kerb stones
- Fork sleeves with manual turning device also available

Product Code	Model	Gripping Range (mm)	Inside Height (mm)	Gripper Length (mm)	Working Load Limit (kg)	Weight (kg)
H540310018	SG-80	400 - 1100	800	1200	1800	210.0



### FTZ-UNI Block Grabs

Universal clamp for all kinds of precast elements.

- Gripping width adjustment by spring loaded bolt
- Suspension bolt for lifting device
- Automatic release for fully automatic switch-over from "full" to "empty"
- Exchangeable rubber grippers

Product Code	Model	Gripping Range (mm)	Inside Height (mm)	Gripper Length (mm)	Working Load Limit (kg)	Weight (kg)
H540320015	FTZ-UNI-1.5	0 - 750	255	420	1500	85.0
H540320050	FTZ-UNI-5.0	0 - 850	200	720	5000	245.0



### TSZ-UNI

Suitable for handling steps, kerb stones and L-stones in conjunction with a lifting device. Easily adjustable opening width by means of a spring-loaded bolt.

- Lifting eye for attaching to the crane hook
- Automatic release for fully automatic switch-over from "full" to "empty"
- Exchangeable profiled rubber seals

Product Code	Model	Gripping Range (mm)	Inside Height (mm)	Gripper Length (mm)	Working Load Limit (kg)	Weight (kg)
H621010600	TSZ-UNI	50 - 600	185	350	600	29.0



### TSV

Universal handles due to a large adjustable opening range. Suitable for steps, kerbs, L-stones etc.

- Lifting eye for attaching to crane hook
- Semi-automatic - for manual switch-over from "full" to "empty"
- Carrying handle turnable by 90° according to the working space
- Exchangeable rubber grippers

Product Code	Model	Gripping Range (mm)	Inside Height (mm)	Gripper Length (mm)	Working Load Limit (kg)	Weight (kg)
H621020250	TSV	70 - 500	125	200	250	18.0



# Stone Magnets

## SM400/600 Vacuum Lifting Device

Easy to handle, robust, independent of main power supply with load-bearing capacity of up to 600kg. Flexible, fast and secure installation of primarily vacuum-dense elements, e.g. granite. Powered by rechargeable, exchangeable 12V battery.

- In seconds, various suction plates can be fitted to the SM via a quick release locating pin, enabling it to be used for many different purposes and loads - see options in table below
- Optional trolley (UM-SM) available to enable use where hoisting equipment is not available and/or provide greater manoeuvrability

Product Code	Model	Capacity (kg)	Battery Power (V)	Weight (kg)
H631010002	SM-400	400	12	35.0
H631010001	SM-600	600	12	35.0



## Vacuum Lifting Device SH-2500-UNI-B (petrol)

For the easy and efficient handling and laying of natural stone, concrete and marble slabs, pipes and steps.

- Specially designed and equipped for heavy-duty work on the building site
- Can hang from any carrier by means of load hooks, chains and cables
- Can be adapted by means of additional devices such as the Micro MJ and used to lay lighter slabs (such as patio blocks)
- In seconds, various suction plates can be fitted to the SH via a quick release locating pin, enabling it to be used for many different purposes and loads - see options in table below

Product Code	Model	Power: Petrol Engine (kW)	Working Load Limit (kg)	Weight (without suction plate) (kg)
H632010025	SH-2500-UNI-B	2.9	2500	100.0



## Suction Plates to suit SM400/600 & SH2500

Product Code	Model	To Suit Device	Length x Width (mm)	Capacity (kg)
H631020100	SM-SPS100	SM400 / 600	900x90	100
H631020200	SM-SPS200	SM400 / 600	580x280	200
H631020400	SM-SPS400	SM400 / 600	750x270	400
H631020600	SM-SPS600	SM600	950x340	600
H632020200	SPS200	SH2500	370x370	200
H632020400	SPS400	SH2500	750x275	400
H632020500	SPS500	SH2500	670x400	500
H632021000	SPS1010	SH2500	840x570	1010
H632021200	SPS1200	SH2500	960x580	1200
H632021500	SPS1500	SH2500	800x750	1500
H632022500	SPS2500	SH2500	1430x780	2500



## Manhole Lifting Equipment

### SRG Manhole Clamps

- For lifting manhole rings and cones
- Easy slinging and releasing through permanent opener
- No adjustment of clamping range necessary
- Will lift 800mm to 2000mm diameter units

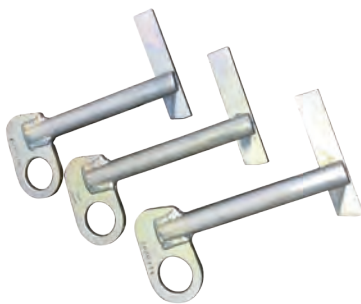
Product Code	Model	Nominal Value ID of Cones and Manholes (mm)	Number of Claws	Gripping Range of Claws (mm)	Working Load Limit WLL (kg)	Weight (kg)
H551210015	SRG-UNI-1.5	800 - 2000	3	40 - 120	1500	28.0
H551210030	SRG-UNI-3	800 - 2000	3	60 - 180	3000	40.0



### SVZ-UNI-UK

- Manhole and cone installation clamp
- Ultimate in safety in gripping by means of self-tensioning steel claws, which grip inside the manhole ring
- An additional operator is not necessary, as the driver of the lifting machine "switches" the grab from gripping to releasing
- Will lift inside diameter 900mm to 1500mm
- Extension arms can be fitted to increase to 1800mm inside diameter
- Capacity is 2500kg

Product Code	Model	Nominal Width (mm)	Working Load Limit WLL (kg)	Weight (kg)
H551300025	SVZ-UNI-UK	900 - 1500	2500	96.0



### Manhole Pipe Lifting Pins

- Manhole pipe lifting pins have been designed and made specifically to lift and position safely concrete manhole chambers
- The unique quick release feature enables the ground workers to complete the installation without additional tools
- Speeds lifting operations
- No threads to protect or nuts to safeguard
- Four standard sizes to suit most manhole pins

Product Code	Model	Dia. (mm)	Capacity each (kg)	Capacity Set of 3 (kg)	Weight (kg)
H551000030	HLP32	32	1000	3000	2.4
H551000045	HLP35	35	1500	4500	3.2
H551000060	HLP38	38	2000	6000	3.9

# Lifting Clutches

## Deha KKT Lifting Clutches



- Designed to lift Deha spherical head anchors
- Load capacities up to 45t
- Impossible to mismatch lifting anchor and lifting clutch load groups

Product Code	Model	Capacity (t)	Fits Anchor Sizes	Weight (kg)
H551110013	6102 - 1,3	1.3	1.3	0.9
H551110025	6102 - 2,5	2.5	2.5	1.4
H551110050	6102 - 5,0	5	4, 5	3.4
H551110100	6102 - 10,0	10	7.5, 10	9.1
H551110200	6102 - 20,0	20	15, 20	21.0
H551110320	6102 - 32,0	32	32	47.0
H551110450	6102 - 45,0	45	45	59.0

## Frimeda TPA Lifting Clutches



- Designed to lift TPA Frimeda anchors
- Easy operation lifting clutch with locking bolt designed for safety and fast connection / removal
- Load capacities up to 26t
- Impossible to mismatch lifting anchor and lifting clutch load groups

Product Code	Model	Capacity (t)	Fits Anchor Sizes	Weight (kg)
H551120025	TPA R1 2,5	2.5	0.7, 1.4, 2, 2.5	1.6
H551120050	TPA R1 5,0	5	3, 4, 5	3.6
H551120100	TPA R1 10,0	10	7.5, 10	9.2
H551120260	TPA R1 26,0	26	12.5, 14, 17, 22, 26	25.8



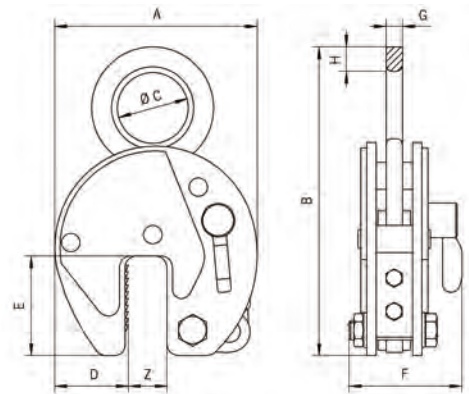
# Plate Clamps

## CZ Plate Clamps 1t to 30t

- Plate thickness up to 130mm
- Loads lifted must exceed the minimum load to work efficiently and safely
- Pairs of clamps in conjunction with a lifting / spreader beam should be used for longer loads

RIGGING

Product Code	Model	WLL (kg)	Jaw (Z) Capacity (mm)	Dimensions (mm)								Weight (kg)
				A	B	C	D	E	F	G	H	
H540110010	CZ 1	100 - 1000	0 - 20	140	254	51	48	70	83	13	19	4
H540120010	CZ 2	200 - 2000	0 - 32	197	323	67	68	93	110	20	20	11
H540110020	CZ 3	300 - 3000	0 - 32	197	371	80	68	93	110	20	30	12
H540120020	CZ 3L	300 - 3000	30 - 60	228	390	80	68	93	110	20	30	15
H540110030	CZ4	500 - 4000	0 - 32	197	371	80	68	93	129	20	30	12
H540120030	CZ 4L	500 - 4000	30 - 60	228	390	80	68	93	129	20	30	18
H540110040	CZ 6	700 - 6000	0 - 50	293	484	89	95	143	129	25	35	21
H540120040	CZ 6L	700 - 6000	50 - 100	362	524	89	95	143	129	25	35	28
H540110060	CZ 8	950 - 8000	0 - 50	293	492	89	95	143	129	25	42	26
H540120060	CZ 8L	950 - 8000	50 - 100	362	524	89	114	143	129	25	42	32
H540110080	CZ 10	1500 - 10000	0 - 50	293	545	110	95	143	139	25	45	30
H540120080	CZ 10L	1500 - 10000	50 - 100	362	545	110	114	143	139	25	45	37
H540110100	CZ 12	1800 - 12000	0 - 50	360	613	130	125	162	154	30	55	54
H540120100	CZ 12L	1800 - 12000	50 - 100	460	678	130	175	162	154	30	55	63
H540110120	CZ 15	3000 - 15000	0 - 50	360	613	130	125	162	204	45	55	75
H540120120	CZ 15L	3000 - 15000	50 - 100	460	678	130	175	162	204	45	55	88
H540110150	CZ 20	4000 - 20000	0 - 65	462	755	130	165	210	235	45	65	123
H540120150	CZ 20L	4000 - 20000	65 - 130	560	805	130	195	210	235	45	65	136
H540110200	CZ 30	6000 - 30000	0 - 65	462	732	60	165	210	295	65	-	195
H540120200	CZ 30L	6000 - 30000	65 - 130	560	797	60	195	210	295	65	-	295





# Lifting Magnets

## Permanent Lifting Magnets - Up to 2t Capacity



The BUX™ NEO range is ideal for lifting and transportation of loads up to 2000kgs. The NEO range of magnets are manually actuated for individual use.

- The only magnet on the market to safely lift thin plate
- Single handed switching operation
- Lock plate design for on/off position
- Extremely compact, robust and low maintenance
- Powerful Neodymium magnets ensure a maximum lifting capacity on uneven and rough contact surfaces

Product Code	Model	Nominal Lifting Capacity* (kg)		Minimum Thickness (mm)	Round Material Dia. min / max (mm)	Length x Width (mm)	Material Dia. Lifting Eye (mm)	Weight (kg)
		Flat Material	Round Material					
H633010150	NEO150	150	65	2	40 - 100	93 x 60	10	3.0
H633010300	NEO300	300	150	4	60 - 200	152 x 100	16	10.0
H633010600	NEO600	600	300	6	65 - 270	246 x 120	20	21.0
H633011000	NEO1000	1000	500	10	100 - 300	306 x 146	20	40.0
H633011500	NEO1500	1500	750	15	150 - 350	410 x 165	20	66.0
H633012000	NEO2000	2000	1000	15	150 - 350	480 x 165	20	90.0

\*Performance rating on ground, 50mm thick S235 JR/AISI 1020 steel plate

WLL Performance: Nominal lift capacity includes a safety factor of at least 3. Capacity varies with workpiece material thickness and surface quality

## Battery Powered Lifting Magnets



The BUX™ Battery magnet range is ideal for lifting and transportation of loads up to 5000kgs.

- Self-contained lifting magnet
- BM3600 specifically designed for handling sheets
- Handling of loads with poor accessibility (remote control)
- Hand-held IR remote control unit allows operation from up to 10m
- Handling sheets, wherein using the tip-off tool allows to drop excess plates in case multiple plates are picked up from the stack

Product Code	Model	Nominal Lifting Capacity* (kg)		Base Length x Width (mm)	Height to Crane Hook (mm)	Weight (kg)
		Flat Material	Round Material			
H633021350	BM1350	1350	-	272 x 242	460	60.0
H633022500	BM2500	2500	-	400 x 242	460	72.0
H633023600	BM3600	3600	-	1050 x 240	460	180.0
H633025000	BM5000	5000	-	1200 x 300	460	203.0
H633021800	BMP1800	1800	1100	470 x 242	610	167.0
H633023601	BMP3600	3600	2200	760 x 262	610	420.0

\*Performance rating on ground, 50mm thick S235 JR/AISI 1020 steel plate



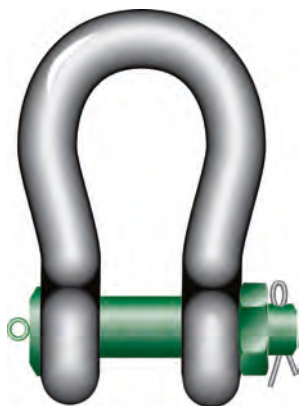
# Alloy Bow Shackles

## Standard Green Pin Alloy Shackles

- Body and pin high tensile steel, Grade 6, quenched and tempered
- Screw pin and Safety pin options
- Safety Factor: MBL equals 6 x WLL
- Hot dipped galvanised
- Temp -20°C to 200°C
- EC declaration of conformity. (Upon request basic raw material cert, manufacturer test cert, inspection cert & DNV cert.)

Product Code	Model	Working Load Limit (t)	Body dia (mm)	Pin Dia. (mm)	Eye Dia. (mm)	Inside Width (mm)	Inside Length (mm)	Bow Width (mm)	Weight Each (kg)
H550200005	Screw	0.5	7	8	16.5	12	29	20	0.06
H550210005	Safety								
H550200007	Screw	0.75	9	10	20	13.5	32	22	0.11
H550210007	Safety								
H550200010	Screw	1	10	11	22.5	17	36.5	26	0.16
H550210010	Safety								
H550200015	Screw	1.5	11	13	26.5	19	43	29	0.22
H550210015	Safety								
H550200020	Screw	2	13.5	16	34	22	51	32	0.42
H550210020	Safety								
H550200032	Screw	3.25	16	19	40	27	64	43	0.74
H550210032	Safety								
H550200047	Screw	4.75	19	22	46	31	76	51	1.2
H550210047	Safety								
H550200065	Screw	6.5	22	25	52	36	83	58	1.8
H550210065	Safety								
H550200085	Screw	8.5	25	28	59	43	95	68	2.6
H550210085	Safety								
H550200095	Screw	9.5	28	32	66	47	108	75	3.7
H550210095	Safety								
H550200120	Screw	12	32	35	72	51	115	83	4.9
H550210120	Safety								
H550200135	Screw	13.5	35	38	80	57	133	92	6.5
H550210135	Safety								
H550200170	Screw	17	38	42	88	60	146	99	8.2
H550210170	Safety								
H550200250	Screw	25	45	50	103	74	178	126	14.2
H550210250	Safety								
H550200350	Screw	35	50	57	111	83	197	138	19.9
H550210350	Safety								
H550200425	Screw	42.5	57	65	130	95	222	160	28.3
H550210425	Safety								
H550200550	Screw	55	65	70	145	105	260	180	39.6
H550210550	Safety								
H550200850	Screw	85	75	83	162	127	329	190	62.0
H550210850	Safety								





## Heavy Duty Bow Shackles

### Heavy Duty Green Pin Bow Shackle

- Body and pin high tensile steel, Grade 8, quenched and tempered
- Safety Factor: MBL equals 5 x WLL
- EC declaration of conformity
- Plus 5% forging tolerance on inside width and length

Product Code	Working Load Limit (t)	Body Dia. (mm)	Pin Dia. (mm)	Eye Dia. (mm)	Inside Width (mm)	Inside Length (mm)	Bow Width (mm)	Overall Length (mm)	Bolt Length (mm)	Overall Width (mm)	Weight Each (kg)
H550211200	120	95	95	208	147	400	238	667	440	428	110.0
H550211500	150	105	108	238	169	410	275	688	490	485	160.0



### Wide Body Sling Shackles

- Bow and pin alloy steel, grade 8, quenched and tempered
- Safety Factor: MBL equals 5 x WLL
- Temperature Range: -20°C up to +200°C
- Wide body profile to protect slings

Product Code	Working Load Limit (t)	Body Dia. (mm)	Pin Dia. (mm)	Eye Dia. (mm)	Inside Width (mm)	Inside Length (mm)	Bow Width (mm)	Overall Length (mm)	Bolt Length (mm)	Overall Length (mm)	Weight Each (kg)
H550220075	75	68	70	125	110	290	185	473	327	317	48
H550220125	125	85	80	154	137	366	220	583	426	390	92
H550220150	150	94	95	179	147	391	253	645	435	434	140
H550220200	200	110	105	199	158	481	280	759	470	482	205
H550220250	250	126	120	227	179	542	300	859	519	530	264
H550220300	300	135	134	245	195	601	350	947	575	620	360
H550220400	400	160	160	293	231	576	370	985	675	690	580
H550220500	500	170	180	328	263	681	450	1131	748	790	780
H550220600	600	190	200	348	289	741	490	1234	809	865	980
H550220700	700	200	215	392	315	751	540	1284	879	901	1360
H550220800	800	218	230	420	342	851	554	1426	942	947	1430
H550220900	900	242	255	466	368	851	580	1488	1023	1023	1650
H550221000	1000	260	270	490	399	851	614	1532	1103	1107	2970
H550221250	1250	285	300	510	452	931	650	1666	1227	1182	3700
H550221550	1550	285	320	550	483	950	680	1710	1300	1253	4000

\*These sizes are utilised for the digital load indicators on page 116





# Super Alloy Shackles

## Polar/Super Green Pin Alloy Shackle

- Body and pin high tensile steel, Grade 8, quenched and tempered
- Safety Factor: MBL equals 5 x WLL
- EN 13889 & meets performance requirements of US Fed Spec RR-C-271, Type IVA Class 3, Grade B
- Hot dipped galvanised
- Temp -40°C to 200°C
- EC declaration of conformity. (Upon request basic raw material cert, manufacturer test cert & works cert.)

Product Code	Working Load Limit (t)	Body Dia. (mm)	Pin Dia. (mm)	Eye Dia. (mm)	Inside Width (mm)	Inside Length (mm)	Bow Width (mm)	Overall Length (mm)	Bolt Length (mm)	Overall Width (mm)	Weight Each (kg)
H550230033	3.3	13.5	16	34	22	51	32	89	82	58	0.5
H550230050	5	16	19	40	27	64	43	110	98	75	0.8
H550230070	7	19	22	46	31	76	51	129	114	89	1.3
H550230095	9.5	22	25	52	36	83	58	144	130	102	1.9
H550230125	12.5	25	28	59	43	95	68	164	150	118	2.8
H550230150	15	28	32	66	47	108	75	185	166	131	3.9
H550230180	18	32	35	72	51	115	83	201	178	147	5.2
H550230210	21	35	38	80	57	133	92	227	197	162	6.9
H550230300	30	38	42	88	60	146	99	249	202	175	8.8
H550230400	40	45	50	103	74	178	126	300	249	216	15.0
H550230550	55*	57	57	117	83	197	138	341	286	252	22.7
H550230850	85*	70	70	143	105	260	180	437	344	320	43.2
H550231200	120*	83	83	162	127	329	190	535	403	356	70.5
H550231500	150*	95	95	208	147	400	238	647	511	428	110.0
H550231750	175	105	108	238	169	410	275	688	561	485	160.0

RIGGING





# High Tensile Shackles

## BS Pattern Large D Shackles Type A Pin

- Body and pin high tensile steel
- Safety Factor: MBL equals 5 x WLL
- B.S. 3032 table 2 - 1958
- Available with Type 'A' screwed pin or type 'E' bolt and nut

Product Code	Working Load Limit WLL (t)	Dia. Body (in)	Dia. Pin (in)	Dia. Eye (in)	Inside Width (in)	Inside Length (in)	Weight Each (kg)
H550220015	1.50	5/8	3/4	1 1/2	1 1/4	2 1/2	0.63
H550220020	2.00	3/4	7/8	1 3/4	1 1/2	2 7/8	1.00
H550220030	3.00	7/8	1	2	1 3/4	3 1/4	1.6
H550220037	3.75	1	1 1/8	2 1/4	2	3 3/4	2.2
H550220050	5.00	1 1/8	1 1/4	2 1/2	2 1/8	4 1/8	3.1
H550220060	6.00	1 1/4	1 3/8	2 3/4	2 3/8	4 1/2	4.3
H550220070	7.00	1 3/8	1 1/2	3	2 5/8	5	5.3
H550220095	9.50	1 1/2	1 3/4	3 1/2	2 3/4	5 3/8	8.5



## BS Pattern Large Bow Shackles Type A Pin

- Body and pin high tensile steel
- Safety Factor: MBL equals 5 x WLL
- B.S. 3032 table 3 - 1958
- Available with Type 'A' screwed pin or type 'E' bolt and nut

Product Code	Working Load Limit WLL (t)	Dia. Bow (in)	Dia. Pin (in)	Dia. Eye (in)	Inside Width (in)	Inside Length (in)	Bow Width (in)	Weight Each (kg)
H550240007	0.75	1/2	5/8	1 1/4	7/8	2 1/8	1 1/4	0.34
H550240012	1.25	5/8	3/4	1 1/2	1 1/8	2 3/4	1 5/8	0.65
H550240020	2.00	3/4	7/8	1 3/4	1 3/8	3 3/8	2	1.1
H550240027	2.75	7/8	1	2	1 5/8	3 7/8	2 1/4	1.8
H550240037	3.75	1	1 1/8	2 1/4	1 3/4	4 1/4	2 1/2	2.5
H550240047	4.75	1 1/8	1 1/4	2 1/2	2	4 7/8	2 7/8	3.5
H550240057	5.75	1 1/4	1 3/8	2 3/4	2 1/4	5 3/8	3 1/4	4.6
H550240072	7.25	1 3/8	1 1/2	3	2 1/2	6	3 1/2	6.0
H550240085	8.50	1 1/2	1 3/4	3 1/2	2 3/4	6 5/8	3 7/8	8.4
H550240095	9.50	1 5/8	1 7/8	3 3/4	3	7 3/8	4 3/8	11.8

# Lifting Points

## VRS Starpoint



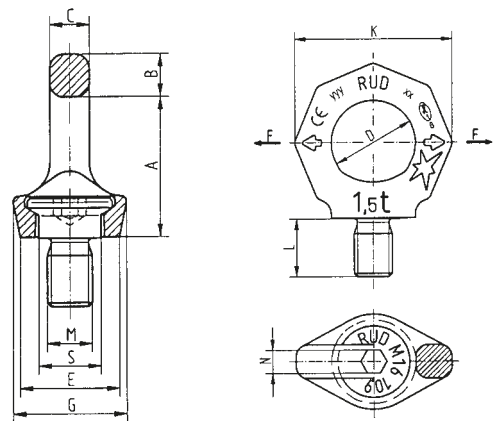
- Clearly marked with the minimum (worst case) WLL for all loading directions
- Fitted with ICE bolt
- Starpoint adjusts to the direction of pull
- Distinctive design ensures this product is not mistaken for inferior type standard eyebolts
- Metric coarse threads supplied as standard – Metric fine, UNC, UNF also available

RIGGING

											Capacity		
0.1t	0.3t	0.4t	0.75t	1.5t	2.3t	3.2t	4.5t	7t	9t	12t			
M6	M8	M10	M12	M16	M20	M24	M30	M36	M42	M48	Thread size		
			M14	M18	M22	M27	M33						
1/4"	5/16"	3/8"	1/2"	5/8"	3/4"	1"-1 1/8"	1 1/4"	1 1/2"	1 3/4"	2"	Angle	Number of Legs	Mode
0.5	1.0	1.0	2.0	4.0	6.0	8.0	12.0	16.0	24.0	32.0	0°	1	
1.0	2.0	2.0	4.0	8.0	12.0	16.0	24.0	32.0	48.0	64.0	0°	2	
0.1	0.3	0.4	0.75	1.5	2.3	3.2	4.5	7.0	9.0	12.0	90°	1	
0.2	0.6	0.8	1.5	3.0	4.6	6.4	9.0	14.0	18.0	24.0	90°	2	
0.14	0.42	0.56	1.0	2.1	3.22	4.48	6.3	9.8	12.6	16.8	0-45°	2	
0.1	0.3	0.4	0.75	1.5	2.3	3.2	4.5	7.0	9.0	12.0	45-60°	2	
0.1	0.3	0.4	0.75	1.5	2.3	3.2	4.5	7.0	9.0	12.0	Non symmetrical	2	
0.21	0.63	0.84	1.6	3.15	4.83	6.7	9.4	14.7	18.9	25.2	0-45°	3+4	
0.15	0.45	0.6	1.12	2.25	3.45	4.8	6.7	10.5	13.5	18.0	45-60°	3+4	
0.1	0.3	0.4	0.75	1.5	2.3	3.2	4.5	7.0	9.0	12.0	Non symmetrical	3+4	

Further thread types and special lengths on request

Product Code	Model	WLL F (t)	Dimensions (mm)										Weight (kg)
			A	B	C	E	G	K	L	M	N	S	
S88001006	VRS-M6	0.1	27	9	7	23	28	37	9	6	6	13	0.06
S88001008	VRS-M8	0.3	34	11	8.5	25	32	47	12	8	6	16	0.1
S880010010	VRS-M10	0.4	34	11	8.5	25	32	47	15	10	6	16	0.1
S880010012	VRS-M12	0.75	42	13	10	30	34	56	18	12	8	20	0.2
S880010014	VRS-M14	0.75	42	13	10	30	34	56	18	14	8	20	0.2
S880010016	VRS-M16	1.5	49	15	14	35	40	65	24	16	10	23.5	0.3
S880010018	VRS-M18	1.5	49	15	15	35	40	65	24	18	10	23.5	0.3
S880010020	VRS-M20	2.3	57	17	16	42	50	75	30	20	12	29	0.5
S880010022	VRS-M22	2.3	57	17	16	42	50	75	30	22	12	29	0.5
S880010024	VRS-M24	3.2	70	21	19	50	60	90	36	24	14	35	0.9
S880010027	VRS-M27	3.2	70	21	19	48	60	90	36	27	14	35	0.9
S880010030	VRS-M30	4.5	86	26	24	60	75	112	45	30	17	44	1.7
S880010033	VRS-M33	4.5	86	36	24	60	75	112	45	33	17	41.5	1.8
S880010036	VRS-M36	7.0	103	32	29	75	90	135	54	36	22	53	2.9
S880010042	VRS-M42	9.0	120	38	34	85	105	158	63	42	24	61.5	4.6
S880010048	VRS-M48	12.0	137	43	38	100	120	180	72	48	27	70.5	7.0
S880020006	VRS - 1/4" - 20UNC	0.1	27.5	9	7	23	27	37	9	1/4"	7/32"	13	0.06
S880020008	VRS - 5/16" - 18UNC	0.3	34	11	8.5	25	28	47	12	5/16"	1/4"	14	0.1
S880020010	VRS - 3/8" - 16UNC	0.4	34	11	8.5	25	28	47	15	3/8"	1/4"	15	0.1
S880020011	VRS - 7/16" - 14UNC	0.4	34	11	8.5	25	28	47	15	7/16"	1/4"	15	0.12
S880020013	VRS - 1/2" - 13UNC	0.75	42	13	10	30	34	56	18	1/2"	5/16"	18	0.2
S880020016	VRS - 5/8" - 11UNC	1.5	49	15	14	35	40	65	24	5/8"	3/8"	22	0.3
S880020020	VRS - 3/4" - 10UNC	2.3	57	17	16	40	50	75	30	3/4"	1/2"	27.5	0.5
S880020022	VRS - 7/8" - 9UNC	2.3	57	17	16	40	50	75	32	7/8"	1/2"	27.5	0.6
S880020024	VRS - 1" - 8UNC	3.2	69	21	19	48	60	90	36	1"	9/16"	33	0.9
S880020030	VRS - 1 1/4" - 7UNC	4.5	86	26	24	60	75	112	45	1 1/4"	5/8"	41.5	1.7
S880020036	VRS - 1 1/2" - 6UNC	7.0	103	32	29	75	90	135	54	1 1/2"	7/8"	49.5	2.9
S880020045	VRS - 1 3/4" - 5UNC	9.0	120	38	34	85	105	158	63	1 3/4"	1"	58	4.6
S880020050	VRS - 2" - 4.5UNC	12.0	137	43	38	100	120	180	72	2"	1 1/8"	66	7.0





# Lifting Rings

## VLBG Plus Load Ring

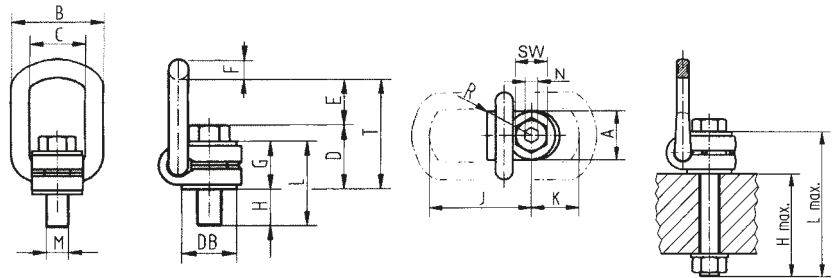
- Clearly marked with the minimum (worst case) WLL for all loading directions
- Lifting point rotates through 360°
- Suspension ring pivots through 180°
- ICE bolt
- Metric coarse threads supplied as standard – Metric fine, UNC, UNF also available
- Variable bolt lengths available for tapped or through holes

0.63t	0.9t	1.35t	1.2t	2t	2t	3.5t	4.5t	6.7t	8t	10t	15t	20t	Capacity		
M8	M10	M12	M14	M16	M18	M20	M24	M30	M36	M42	M42	M48	Thread size		
	3/8"	1/2"		5/8"		3/4"	1"	1 1/4"	1 1/2"			2"	Angle	Number of Legs	Mode
0.63	0.9	1.35	1.2	2.0	2.0	3.5	4.5	6.7	8.0	10.0	15.0	20.0	0°	1	
1.26	1.8	2.7	2.4	4.0	4.0	7.0	9.0	13.4	16.0	20.0	30.0	40.0	0°	2	
0.63	0.9	1.35	1.2	2.0	2.0	3.5	4.5	6.7	8.0	10.0	15.0	20.0	90°	1	
1.26	1.8	2.7	2.4	4.0	4.0	7.0	9.0	13.4	16.0	20.0	30.0	40.0	90°	2	
0.88	1.3	1.9	1.68	2.8	2.8	4.9	6.3	9.4	11.2	14.0	21.0	28.0	0-45°	2	
0.63	0.9	1.35	1.2	2.0	2.0	3.5	4.5	6.7	8.0	10.0	15.0	20.0	45-60°	2	
0.63	0.9	1.35	1.2	2.0	2.0	3.5	4.5	6.7	8.0	10.0	15.0	20.0	Non symmetrical	2	
1.32	1.9	2.8	2.52	4.2	4.2	7.4	9.5	14.2	16.8	21.0	31.5	42.0	0-45°	3+4	
0.95	1.35	2.0	1.8	3.0	3.0	5.25	6.75	10	12.0	15.0	22.5	30.0	45-60°	3+4	
0.63	0.9	1.35	1.2	2.0	2.0	3.5	4.5	6.7	8.0	10.0	15.0	20.0	Non symmetrical	3+4	

Further thread types and special lengths on request



Product Code	Model	WLL (t)	Dimensions (mm)								H stand.	H max.	Dimensions (mm)		L stand.	L max.	Dimensions (mm)						Weight (kg)
			A	B	C	D	E	F	G	J			K	M			N	SW	R	T	DB		
S880110008	VLBG - M8	0.63	30	54	34	35	40	10	29	11	76	75	45	40	105	8	5	13	32	75	24	0.3	
S880110010	VLBG - M10	0.9	30	54	34	36	39	10	29	16	96	75	45	45	125	10	6	17	32	75	24	0.32	
S880110012	VLBG - M12	1.35	32	54	34	37	38	10	29	21	116	75	45	50	145	12	8	19	32	75	26	0.33	
S880110014	VLBG - M16	2.0	33	56	36	46	39	13.5	36	24	149	86	47	60	185	16	10	24	38	85	30	0.55	
S880110016	VLBG - M20	3.5	50	82	54	55	55	16.5	43	32	187	113	64	75	230	20	12	30	48	110	45	1.3	
S880110018	VLBG - M24	4.5	50	82	54	58	67	18	43	37	222	130	78	80	265	24	14	36	48	125	45	1.5	
S880110020	VLBG - M30	6.7	60	103	65	80	67	22.5	61	49	279	151	80	110	340	30	17	46	67	147	60	3.3	
S880110024	VLBG - M36	8.0	77	122	82	100	97	26.5	77	63	223	205	110	140	300	36	22	55	87	197	70	6.2	
S880110027	VLBG - M42	10.0	77	122	82	103	94	26.5	77	73	273	205	110	150	350	42	24	65	87	197	70	6.7	
S880110030	VLBG - M42	15.0	95	156	100	113	109	36	87	63	263	230	130	150	350	42	24	65	100	222	85	11.2	
S880110036	VLBG - M48	20.0	95	156	100	117	105	36	87	73	303	230	130	160	390	48	27	75	100	222	95	11.6	
S880110043	VLBG - 3/8" - 16UNC	0.63	30	54	34	36	39	10	29	16	96	75	45	45	125	3/8"	1/4"	9/16"	32	75	24	0.32	
S880110048	VLBG - 1/2" - 13UNC	1.0	32	54	34	38	37	10	29	22	121	75	45	50	150	1/2"	5/16"	3/4"	32	75	26	0.33	
S880130016	VLBG - 5/8" - 11UNC	1.5	33	56	36	46	38	13.5	36	24	148	87	47	60	184	5/8"	3/8"	15/16"	38	85	30	0.55	
S880130018	VLBG - 3/4" - 10UNC	2.5	50	82	54	56	54	16.5	43	28	187	113	64	71	230	3/4"	1/2"	1 1/8"	48	110	45	1.3	
S880120010	VLBG - 7/8" - 9UNC	2.5	50	82	54	58	52	16.5	43	27	211	113	64	70	254	7/8"	1/2"	1 5/16"	48	110	45	1.3	
S880120012	VLBG - 1" - 8UNC	4.0	50	82	54	61	64	18	43	41	211	130	78	84	254	1"	9/16"	1 1/2"	48	125	45	1.5	
S880120016	VLBG - 1 1/4" - 7UNC	5.0	60	103	65	80	64	22.5	61	41	279	151	80	102	340	1 1/4"	5/8"	1 7/8"	67	147	60	3.3	
S880120020	VLBG - 1 1/2" - 6UNC	8.0	77	122	82	100	97	26.5	77	39	270	205	110	116	347	1 1/2"	7/8"	2 1/4"	87	197	70	6.2	
S880120021	VLBG - 2" - 4 1/2UNC	20.0	95	156	100	117	105	36	87	77	303	230	130	164	390	2"	1 1/8"	3"	100	222	95	11.6	





# Load Rings

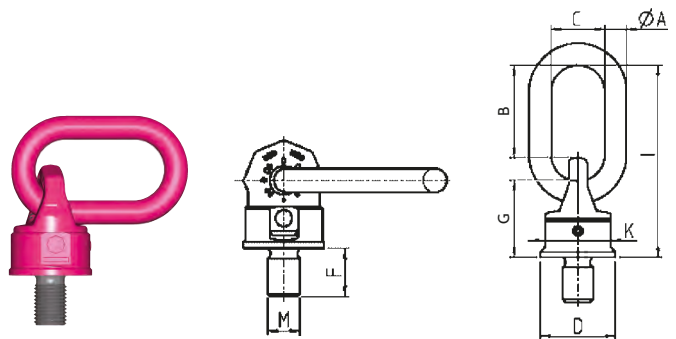
## VWBG-V Load Ring

- Suitable for all loading in any direction (Swivel & Tilt)
- Lifting point rotates through 360°
- Link pivots through 180°
- Swivelling under full load is permissible provided the inclination angle is not perpendicular to the screw - in direction
- Standard and long shank (Vario) options available

Mode										
Number of Legs	1	2	1	2	2	2	2	3+4	3+4	3+4
Angle	0°	0°	90°	90°	0-45°	45-60°	Non symmetrical	0-45°	45-60°	Non symmetrical
Thread Size/ Capacity (t)										
M8 (0.3)	0.6	1.2	0.3	0.6	0.42	0.3	0.3	0.63	0.45	0.3
M10 (0.45)	0.9	1.8	0.45	0.9	0.63	0.45	0.45	0.94	0.67	0.45
M12 (0.6)	1.2	2.4	0.6	1.2	0.84	0.6	0.6	1.26	0.90	0.6
M14 (1.0)	2.0	4.0	1.0	2.0	1.4	1.0	1.0	2.1	1.5	1.0
M16 (1.3)	2.6	5.2	1.3	2.6	1.81	1.3	1.3	2.73	1.95	1.3
M18 (1.8)	3.6	7.2	1.8	3.6	2.52	1.8	1.8	3.78	2.70	1.8
M20/M22 (2.0)	4.0	8.0	2.0	4.0	2.8	2.0	2.0	4.2	3.0	2.0
M24/M27 (3.5)	7.0	14.0	3.5	7.0	4.9	3.5	3.5	7.35	5.25	3.5
M30 (5.0)	10.0	20.0	5.0	10.0	7.0	5.0	5.0	10.5	7.5	5.0
M33 (6.0)	12.0	24.0	6.0	12.0	8.4	6.0	6.0	12.6	9.0	6.0
M36/M39 (8.0)	16.0	32.0	8.0	16.0	11.2	8.0	8.0	16.8	12.0	8.0
M42/M45 (12.0)	24.0	48.0	12.0	24.0	16.8	12.0	12.0	25.2	18.0	12.0
M48 (13.0)	26.0	52.0	13.0	26.0	18.2	13.0	13.0	27.3	19.5	13.0
M52 (14.0)	28.0	56.0	14.0	28.0	19.6	14.0	14.0	29.4	21.0	14.0
M56/M62 (16.0)	32.0	64.0	16.0	32.0	22.4	16.0	16.0	33.6	24.0	16.0
M64 (16.0)	32.0	64.0	16.0	32.0	22.4	16.0	16.0	33.6	24.0	16.0
M72/M76 (31.5)	63.0	126.0	31.5	63.0	44.1	31.5	31.5	66.15	47.25	31.5
M80/M85 (35.0)	70.0	140.0	35.0	70.0	49.0	35.0	35.0	73.5	52.5	35.0
M90/M150 (40.0)	80.0	160.0	40.0	80.0	56.0	40.0	40.0	84.0	60.0	40.0

Further thread types and special lengths on request

Product Code	Model	Dimensions (mm)									
		A	B	C	D	F stand	F vario	G	K	M	I
S880210008	VWBG - V M8 (0.3)	8	31	29	30	13	8-102	-	28	8	76
S880210010	VWBG - V M10 (0.45)	8	31	29	36	17	10-122	-	30	10	78
S880210012	VWBG - V M12 (0.6)	10	49	35	42	21	12-140	-	36	12	107
S880210014	VWBG - V M14 (1.0)	13	46	38	48	21	14-65	-	41	14	113
S880210016	VWBG - V M16 (1.3)	13	46	38	48	25	16-180	-	41	16	113
S880210018	VWBG - V M18 (1.8)	13	54	35	62	27	18-83	-	55	18	137
S880210020	VWBG - V M20 (2.0)	13	54	35	62	33	20-223	-	55	20	137
S880210022	VWBG - V M22 (2.0)	13	54	35	62	33	22-94	-	55	22	137
S880210024	VWBG - V M24 (3.5)	18	66	40	81	40	24-255	-	70	24	173
S880210027	VWBG - V M27 (3.5)	18	66	40	81	40	27-92	-	70	27	173
S880210030	VWBG - V M30 (5.0)	22	90	50	99	59	30-330	-	85	30	221
S880210033	VWBG M33 (6.0)	22	86	50	90	-	33-300	94	80	33	208
S880210036	VWBG M36 (8.0)	22	86	50	90	54	36-300	94	80	36	208
S880210039	VWBG M39 (8.0)	22	86	50	90	54	36-300	94	80	39	208
S880210042	VWBG M42 (12.0)	26	111	65	98	63	42-300	96	85	42	235
S880210045	VWBG M45 (12.0)	26	111	65	98	67	-	96	85	45	235
S880210048	VWBG M48 (13.0)	26	111	65	98	68	48-300	96	85	48	235
S880210052	VWBG M52 (14.0)	32	119	70	120	78	52-300	120	95	52	274
S880210056	VWBG M56 (16.0)	32	119	70	120	84	56-300	120	95	56	274
S880210062	VWBG M62 (16.0)	32	119	70	120	84	56-300	120	95	62	274
S880210064	VWBG M64 (16.0)	32	119	70	120	94	64-300	120	95	64	274
S880210072	VWBG M72 (31.5)	46	130	90	170	108	72-300	159	145	72	338
S880210076	VWBG M76 (31.5)	46	130	90	170	108	72-300	159	145	76	338
S880210080	VWBG M80 (35.0)	46	130	90	170	120	80-300	159	145	80	338
S880210085	VWBG M85 (35.0)	46	130	90	170	120	80-300	159	145	85	338
S880210090	VWBG M90 (40.0)	46	130	90	170	135	90-300	159	145	90	338
S880210150	VWBG M150 (40.0)	46	170	110	170	135	90-300	159	145	150	378





# Digital Load Indicators

## Radiolink plus

- Proprietary 2.4GHz wireless
- Industry leading wireless range of 700m
- Error free data transmission
- Environmentally sealed to IP67
- 90dB audible overload alarm
- Unmatched battery life of 1200hrs

Product code	Model	Capacity	Resolution	Safety Factor	Height (mm)	Depth (mm)	Width (mm)	Hole Centre (mm)	Hole Dia. (mm)	Shackle Grade	Loading Pin Dia. (mm)	Weight (kg)
H340310001	RLP1T	1000kg	0.5kg	12:1	204	43	101	146	24.5	STANDARD	19	1.4
H340310002	RLP2T5	2.5te	0.001te	5:1	204	43	101	146	24.5		19	1.4
H340310005	RLP5T	5te	0.001te	5:1	249	43	101	165	38		25	2.0
H340310012	RLP12T	12te	0.002te	5:1	305	47	101	193	47.5		35	3.2
H340310025	RLP25T	25te	0.005te	5:1	340	60	115	215	55		51	5.0
H340310035	RLP35T	35te	0.005te	5:1	393	75	126	225	60	57	8.6	
H340310050	RLP50T	50te	0.01te	5:1	424	75	163	230	76	57	11.5	
H340310075	RLP75T	75te	0.01te	5:1	470	75	202	260	76	70	16.0	
H340310100	RLP100T	100te	0.05te	5:1	608	99	255	320	109	80	34.0	
H340310150	RLP150T	150te	0.05te	4:1	670	99	303	360	109	95	46.0	
H340310200	RLP200T	200te	0.1te	5:1	700	144	320	350	132	105	72.0	
H340310250	RLP250T	250te	0.1te	4:1	700	144	320	350	132	120	72.0	
H340310300	RLP300T	300te	0.1te	5:1	806	150	426	350	160	134	118.0	
H340310500	RLP500T	500te	0.1te	5:1	930	150	570	450	200	180	194.0	

## Radiolink plus Accessories – Shackles

- Standard: H55021 Pre-fixed models on page 106
- Wide Body: H55022 Pre-fixed models on page 107



## Multiple Wireless Load Cell Controller

- Displays and logs data up to 100 Straightpoint wireless load cells simultaneously
- Mapping/graphical capabilities
- Webserver offers remote viewing on iPads/tablets/smart phones
- Logging at timed intervals, manual or on overload/underload
- Visual and audible alarms indicates overload, low battery and communications error
- Export and log data in CSV format

Product Code	Model	IP rating	Operating Temp		Licence	Frequency	Range		Load Cell Inputs	PC Requirements	Operating System
H340320000	SW-MWLC	IP54	-10°C to +50°C	14°F to 122°F	Licence free	2.4 GHz	700m	2300ft	Up to 100	Intel i3 processor with 2GB RAM	Windows XP, Vista, Windows 7, 8 or 10





# Digital Load Shackles

## Wireless Load Shackles

- Proprietary 2.4 GHz wireless
- Error free data transmission
- Industry leading wireless range of 700m/2300ft
- Environmentally sealed to IP67/NEMA6
- Internal antennae
- Low headroom compared to a standard load link that requires shackles

Product Code	H340330012	H340330025	H340330055	H340330085	H340330120	H340330200	H340330300	H340330400
Capacity (te)	12.0	25.0	55.0	85.0	120.0	200.0	300.0	400.0
Resolution (te)	0.01	0.02	0.05	0.05	0.1	0.2	0.5	0.5
Jaw Gap (mm)	51.5	73	82.5	105	127	180	205	230
Pin Dia. (mm)	35.1	51	57	70	82.5	125	150	175
Inside Length (mm)	113	170	189.5	253	319.5	334	398	440
Inside Width (mm)	82.5	127	164	184	200	290	305	325
Overall Length (mm)	210	313	348	453	546	810	950	1100
Body Dia. (mm)	35.1	57	61	79	92	120	130	165
Overall Length Pin (mm)	218	293	317	394	441	565	615	711
Weight (kg)	8.0	18.0	25.0	45.0	85.0	254.0	374.0	614.0
Units	(t)							
Safety Factor	5:1 when used with load bobbin							
Battery Type	Load cell 4 x AA Alkaline							
Battery Life	Load cell 1,200 hours continuous							
Operating Temp	-10°C to +50°C / 14°F to 122°F							
Accuracy	±1% of applied load							
Frequency	2.4 GHz							
System Range	700m/2300ft							
Data Rate	3 updates per second							
Protection	IP67 / NEMA 6							



# Eyebolt Tester

## Hydrajaws Model 2000

- The Model 2000 pull-out tester is a purpose made kit for testing eyebolts and threaded anchors up to M20
- It allows for accurate proof testing and validating of anchors and eyebolts up to 25kN
- The resulting load value is indicated on the dial type analogue gauge or optional digital gauge

Product Code	Model	Pull-out load range (kN/lb/f)	Stroke scale (mm)	Effective stroke (mm)	Ranges available		Accuracy		Working Temperature		Weight	
					Digital (kN)	Analogue (kN)	Digital (to +/- % fsd)	Analogue (to +/- % fsd)	Digital (°C)	Analogue (°C)	Tester only (kg)	Packaged weight (kg)
H340400025	2000	0-25	0-50	50	0-25	0-25	0.5	2.5	-30 to +85	-20 to +60	2.2	8.0

## TECHNICAL SPECIFICATIONS

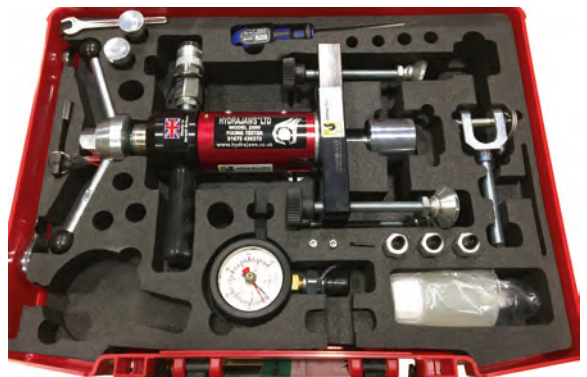
- Pull-out load range: 0-25kN/lb/f
- Weight Tester: Only 2.2kg  
Packaged weight 8kg (will vary)
- Stroke scale: 0-50mm
- Effective stroke: 50mm
- Load gauge: fixed or interchangeable
- Casing: Aluminium
- Loading jaw pivotable through 360° with spring return
- Operating handle standard size with integrated 22mm operating nut for confined spaces

### Load Gauges

- Ranges available: Digital: 0-25kN Analogue: 0-25kN.
- Accuracy: Analogue to +/-2.5% fsd Digital to +/-0.5% fsd
- Indication of pull-out load
- Calibrated in kN
- Traceable UKAS calibration certificate supplied with each gauge
- Protective rubber cover (analogue only)
- Impact resistant glass
- Protection against sudden load relief (i.e. sudden failure of fixing)
- Analogue and Digital: Peak hold memory
- Working Temperature: Analogue: -20°C to +60°C  
Digital: -30°C to +85°C

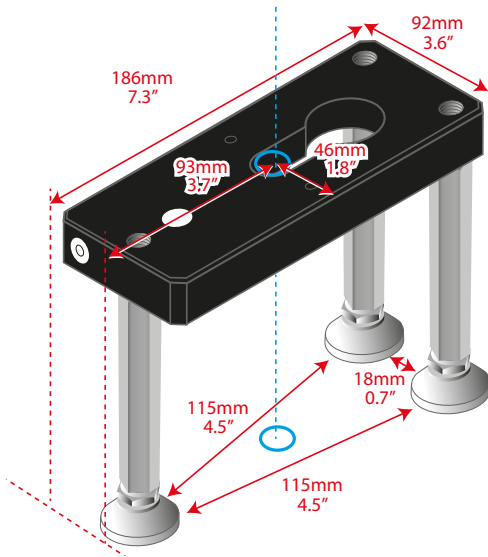
## KIT CONTENTS

- Bolt Tester Adaptor
- 6x Threaded button adaptors M4 - M12
- 6x Slotted button adaptors 4.5mm to 12.5mm
- M16 and M20 Threaded Stud Adaptor
- Turning Handle with 22mm integrated nut (for use in confined spaces)
- M12 Ringbolt Adaptor Clevis
- 150mm Load Spreading Bridge with 75mm Hex extension legs with 25mm of threaded adjustment
- Calibration certificate (valid for 12 months)
- Robust carry case

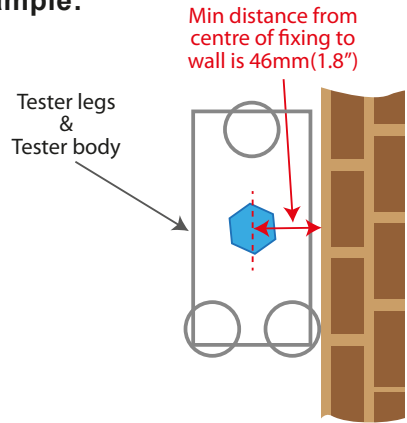


**HYDRAJAWS**  
LIMITED

## BRIDGE FOOTPRINT MEASUREMENTS



For example:



### Bluetooth DIGITAL



The 2000 Model gauge can be upgraded to a detachable 30kN digital gauge with Bluetooth capability offering a variety of additional benefits.

- Results are visual and recorded with time, date and GPS location
- Reports can be provided electronically onsite direct from Android or Apple device - saving time and increasing productivity
- Force displacement option for increased data accuracy





## Test Weights & Accessories

### Hand Test Weights, Baskets & Trolleys

- Ideal for lift testing, the baskets are designed to take 4 x 20kg hand test weights which with a self-weight also of 20kg provides a precise 100kg total weight
- The test weight trolley is specifically designed to transport a loaded basket with ease
- Lockable baskets also available to prevent removal of individual 20kg test weights

Product Code	Model
H700100020	Hand Test Weight (20kg)
H700110000	Test Weight Basket (capacity 4 x 20kg weights) / Basket Self Weight 20kg
H700120000	Test Weight Trolley



### Roller Test Weights (Counterbalanced)

- Ideal for general testing
- Counterbalanced handles fitted for ease of lifting and handling

Product Code	Model	Dia. (mm)	Depth (mm)	Height (mm)
H700060250	250kg	455	300	680
H700060500	500kg	555	365	780



### Cheese Weights, Lifting Poles & Beams

- Ideal for mid to heavy testing, weights are available in increments of 500kg & 1000kg
- Lifting poles to suit are available in two models to carry up to 5 (5t) or 10 (10t) weights as required
- For multiple lifts a variety of beam assemblies can be provided bespoke to requirement

Product Code	Model
H700010050	500kg Cheese Weight
H700011000	1000kg Cheese Weight
H700020001	Lifting Pole to suit up to 5x weights (5,000 kg capacity)
H700020002	Lifting Pole to suit up to 10x weights (10,000 kg capacity)



### Test Weight Cradles & Slab Weights

- Ideal for heavy testing to carry a broad range of slab weights to make up your desired load
- A wide range of capacities 5t, 25t, 50t, 100t, 200t & 350t
- All provided complete with lifting slings and shackles





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## Material Handling

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# Material Lifts

## Genie Superlift Advantage

Choose base, mast height, winch speed & load handling attachments to configure the exact material lift for your work site.

- Heavy-duty design
- Patented telescoping mast system with mast brake
- Rolls easily through single door in upright position
- Quick set up requires no tools
- Compact design, legs fold up for easy storage
- Roller wheels allow easy transport in stowed position
- Easy to load and unload on or off a vehicle for transport



Product Code	H450010010	H450010015	H450010020	H450010025
Model	SLA-10	SLA-15	SLA-20	SLA-25
Measurements	Metric	Metric	Metric	Metric
Working Height: Standard Forks - Down	2.97m	4.46m	5.94m	7.42m
Working Height: Standard Forks - Up	3.49m	4.98m	6.46m	7.94m
Working Height: Adjustable Forks - Down	2.97m	4.46m	5.94m	7.42m
Working Height: Adjustable Forks - Up	3.49m	4.98m	6.46m	7.94m
Working Height: Flat Forks	2.97m	4.46m	-	-
Working Height: Boom	3.28m	4.76m	6.25m	7.42m
Working Height: Load Platform - Forks Down	2.97m	4.46m	5.94m	7.42m
Working Height: Load Platform - Forks Up	3.49m	4.98m	6.46m	7.94m
Height - Stowed	2.0m	2.0m	2.0m	2.0m
Length - Stowed	74cm	74cm	74cm	79cm
Length - Operating	1.51m	1.88m	2.08m	2.08m
Width - Stowed	80cm	80cm	80cm	80cm
Width - With Stabilisers Lowered	1.85m	1.85m	1.85m	1.85m
Width - Straddle Base Minimum	80cm	80cm	-	-
Width - Straddle Base Maximum	1.47m	1.47m	-	-
Width - Straddle Base Maximum Inside	1.27m	1.27m	-	-
Ground Clearance	5cm	5cm	5cm	5cm
Load Height Minimum	15cm	15cm	15cm	15cm
Front Casters	10cm	10cm	10cm	10cm
Rear Casters	13cm	13cm	13cm	13cm
Load Capacity 46cm (18in) Load Centre	454kg	363kg	363kg	295kg
Load Capacity 61cm (24in) Load Centre	454kg	363kg	272kg	204kg
Load Capacity 107cm (42in) Load Centre	181kg	227kg	159kg	113kg
Average Cranks Standard Winch	27.8 cranks/m	27.8 cranks/m	27.8 cranks/m	27.8 cranks/m
Weight Standard	118kg	151kg	184kg	204kg
Weight Straddle Base	137kg	163kg	-	-

MATERIAL HANDLING



### Standard Forks (Down)

A variety of general loads. Get an additional 21in (53cm) of lift by turning over and re-pinning the forks.



## Material Lift Accessories

A range of interchangeable load handling attachments to cater for a large variety of requirements to ensure that your Genie SLA is equipped correctly for the job in hand.

Load Handling Attachments			
Product Code	Model	Dimensions L/W/D (mm)	Weight (kg)
H450020001	Boom	1070 x 40 x 165	18.0
H450020002	Pipe Cradle	700 x 620 x 150	4.5
H450020003	Fork Extensions (Attached)	640 x 50 x 80	2.0
H450020004	Adjustable Forks	700 x 760 x 60	24.0
H450020005	Flat Forks	810 x 790 x 38	36.0
H450020006	Load Platform	700 x 580 x 70	14.0



### Boom

Option transforms your lift into a mobile, vertical crane or hoist to position tooling fixtures, circuit breakers, engines and more.



### Pipe Cradle

An ideal accessory for lifting round pipes and/or odd shaped items into position.



### Fork Extensions

Insert onto standard forks for an additional 25in (64cm) of length.



### Adjustable Forks

Widen from 11.5in to 30in (29cm to 76cm) to accommodate diverse loads.



### Flat Forks

Widen from 16in to 31in (41cm to 79cm) to provide proper support, allow you to easily lift your load off of flat surfaces.



### Load Platform

Fits over the forks to handle odd-sized or heavy objects — no tools required for installation.



# Material Lifts & Gas Hoist

## Genie GL Lift - Counterweight Base

Three base models and many accessories to choose from.

- The GL-8 that lifts up to 181kg to 3.0m, to the GL-12 that lifts up to 159kg to heights up to 4.2m
- The Genie Lift is well suited for shipping/receiving, lifting heavy material to or from shelves, installing and repairing HVAC components, lifting and moving automotive parts, and other manufacturing applications
- Compact, versatile and easily transported

Product Code	H450030008	H450030010	H450030012
Model	GL-8	GL-10	GL-12
A Height - Stowed (mm)	1720	2000	2310
Maximum Forks Down (mm)	2500	3010	3660
Maximum Forks Up (mm)	3060	3560	4200
Minimum Forks Down (mm)	90	50	50
Length - Operating (mm)	720	720	-
Width - Stowed (mm)	730	730	-
Maximum (mm)	1110	1110	-
Maximum Inside (mm)	910	910	-
Load Height Minimum (mm)	90	90	90
Ground Clearance - Centre (mm)	20	20	20
Average Cranks - Standard Winch per mm	38	38	38
Fork Length (mm)	570	570	570
Fork Width (mm)	520	520	520
Load Platform Length (mm)	580	580	580
Load Platform Width (mm)	560	560	560
Load Capacity at 300mm Load Centre (kg)	181	159	159
Boom Length (mm)	510	510	510
Boom Attachment Points (mm)	340/480	340/480	340/480
Weight - Standard Caster Options (kg)	186.0	196.0	-



## Genie Gas Hoist

- A unique portable pneumatic lift
- Incredibly compact, easy-to-use design
- This portable telescoping pneumatic hoist uses CO<sup>2</sup> or compressed air to lift up to 136kg to heights of 3.8m or up to 113kg up to 5.6m

Product Code	Model	Height		Platform Length (mm)	Width		Load Capacity (kg)	Storage Dimensions (mm)	Wheels Diameter (mm)	Recommended psi (bar)	Weight (kg)
		Stowed (mm)	Lift height (mm)		Platform (mm)	Base (mm)					
H450040038	GH-3.8	1040	3800	480	610	1.350	136	360 x 360 x 1000	200	5.86	34.0
H450040056	GH-5.6	1370	560	480	610	1.350	113	360 x 360 x 1000	200	5.86	37.0





## Counterbalanced Material Lifts

### SLK

- Integral counterweights avoid the need for forward outriggers allowing the user to bring loads directly to walls or high lying porches
- Ideal for handling awkward loads into place such as window panes and glazing
- Specialist accessories and functionality for handling glass are available on request
- All standard Superlift accessories are available

Product Code	H450050010	H450050015	H450050020	H450050025
Model	SLK10	SLK15	SLK20	SLK25
Lifting Height - Standard Forks Up (mm)	3500	5000	6500	7900
Height - Stowed (mm)	2040	2040	2040	2040
Length - Stowed (mm)	900	900	960	1020
Length - Working Position (mm)	1500	1800	2220	2220
Width - Stowed (mm)	800	800	800	800
Width - Working Position (mm)	2200	2200	2200	2200
Ground Clearance - Working Position (mm)	80	80	80	80
Loading Height min (mm)	270	270	270	270
Pay Load (kg)	450	360	360	300
Weight Basic Chassis (kg)	118.0	144.0	184.0	204.0
Weight Complete with Counterbalance Weights (kg)	246.0	272.0	312.0	332.0



## Heavy Capacity Counterbalanced Material Lifts

### GML800+

- Simple to transport, set up and use
- Vastly increased lifting capacity over the standard Superlift range - up to 900kg dependant on model and load centre position
- Integral counterweights avoid the need for forward outriggers allowing the user to bring loads directly to walls or high lying porches
- All standard Superlift accessories are available
- Specialist accessories and functionality for handling glass are available on request

Product Code	Model	Working Height Standard Forks Up (mm)	Transport Position Height/Length/Width (mm)	Working Position Height/Length/Width (mm)	Safe Working Load (kg)	Weight Chassis + Outriggers (kg)
H450060010	GML800+/10	3490	1980/1000/0780	1980/1940/0780	900	237.0 - 273.0
H450060015	GML800+/15	4980	1980/1000/0780	1980/1940/0780	850	260.0 - 296.0
H450060020	GML800+/20	6460	1980/1000/0780	1980/1940/0780	850	293.0 - 329.0
H450060025	GML800+/25	7940	1980/1000/0780	1980/1940/0780	800	316.0 - 352.0

# Glass Handling Cranes

## Mini Floor Crane

- Max Capacity 900kg
- Max lifting height below the hook 3050mm
- Two long outriggers are back-wards mounted and are fitted with two counterweights boxes containing 14 counterweights each achieves max capacity and lifting height.

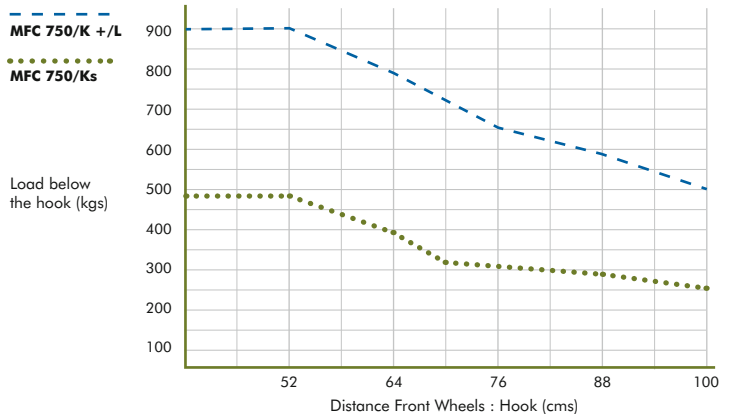


Product code	Model	Transport Position			Working Position			Loading Height Min. (mm)	Boom Extension each Position (mm)	Boom Length Max (mm)	Weight of chassis inc Boom (kg)
		Height (mm)	Length (mm)	Width (mm)	Height (mm)	Length (mm)	Width (mm)				
H210130750	MFC750/K	1000 - 1920	1200	650	1920	1800	680	850	120	1200	160

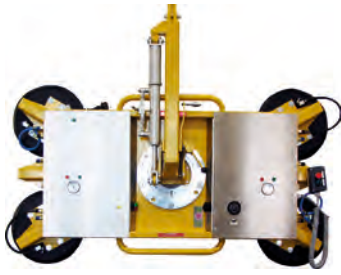


MATERIAL HANDLING

Load Chart



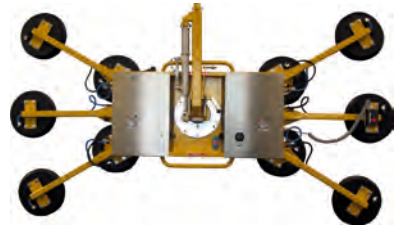
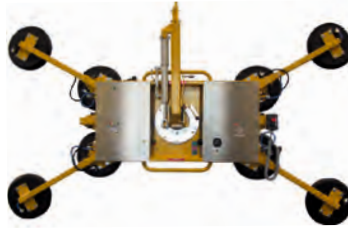
# Glass Handling Attachments



## DSZ2 – 12V Slimliner

- Vacuum Glass Lifter based on two circle system
- In the case of a failure in one circle, the second will hold the glass safely in position
- Max Capacity 900kg

Product Code	Model	Payload	Frame	Set up	Operation	Functions	Rotate	Tilting	Include	Weight	Fits to
H453270450	DSZ2-12V	900kg (with 12 Suction Cups) 750kg (with 10 Suction Cups) 600kg (with 8 Suction Cups) 450kg (with 6 Suction Cups)	6 Suction Cups in 2 rows	6+2 6+4 6+6	12V Pump incl. Charger Unit	Absorb/ Detach by remote control	360° manually	90° manually	Charger Unit Cable Remote Control	Approx. 140kg (with 12 Suction Cups)	MFC SLK GML



## DSKE2- 12V Disc Butler

- Vacuum Glass Lifter based on two circle system
- In the case of a failure in one circle, the second will hold the glass safely in position
- This system rotates 360°

Product Code	Model	Payload	Frame	Set up	Operation	Functions	Rotate	Tilting	Include	Weight	Fits to
H453290450	DSKE2 - 12V	450kg (with 6 Suction Cups) 300kg (with 4 Suction Cups)	4 Suction Cups in a row	4+1 4+2 in a Line or Cross Shape	12V Pump incl. Charger Unit	Absorb/ Detach by remote control	360° manually	90° manually	Charger Unit Cable Remote Control Carrier with Casters	Approx. 60kg (with 6 Suction Cups)	MFC SLK GML





Extended Tee Head

Standard Tee Head

# Roust-A-Bout & Panel Lifter

## Roust-A-Bout

- Rugged construction
- 680kg load capacity
- Two winches to operate load and mast elevation separately
- 4-speed load winch
- Capable of lifting loads in tight locations
- Optional extended tee head for wider loads up to 455kg
- 8" casters permit full load to be positioned with ease
- Standard galvanised finish

Product Code	Model	Description	Capacity (kg)	Closed Height (mm)	Maximum Height (mm)	Lifting Point From Base of Unit (mm)	Tee Head Beam Length (mm)	Base Footprint (mm)	Weight (kg)
H45280002	780195	R100 Roustabout c/w Standard Tee Head	680	2000	4600	500	300	800 x 1000	150.0
H45280001	780196	R250 Roustabout c/w Standard Tee Head	680	3020	7600	750	440	1500 x 1500	224.0
H452810002	779993	Tee Head Extension Bar (R100)	455	-	-	200	1200	-	15.0
H452810001	779995	Tee Head Extension Bar (R250)	455	-	-	325	1730	-	15.0



## Drywall Panel Lifter

- Two models, lifting 70kgs up to 3.4m and 4.5m
- Lifts panels up to 3.6m x 1.2m
- Lightweight
- Quick, tool-free assembly
- Unit breaks into three easily transportable pieces
- Self-braking winch
- Two speed winch handle
- Cradle tilts through 65° from horizontal to near vertical

Product Code	Model	Description	Load Height (maximum) (m)	Load Height (minimum) (cm)	Load Capacity (kg)	Max. Drywall Dimensions (m)	Base Height (cm)	Base Footprint (open) (m)	Weight (kg)
H452900001	784345	2311 Drywall Lift	3.4	86	70	1.2 x 3.7	18	1.4 x 1.4 x 1.3	49.4
H452900002	784346	2315 Drywall Lift	4.5	122	70	N/A	18	1.4 x 1.4 x 1.3	52.1

MATERIAL HANDLING







# Skoots & Stairclimbers

## Skoots Moving System

- Economic, simple, manoeuvrable and safe, Skoots are simple to operate and requires minimal training
- Secure the load to the eyebolts fitted to the Skoots frame using both straps supplied
- Pump the handle on the hydraulic jack to raise the load
- Move the load into position, using the directional locks on the castor if required
- Lower the load with accuracy using the valve wheel on the jacks

Product Code	Model	Lifting Height (mm)	Castors Single Solid Nylon Wheels (mm)	Castors Twin Solid Nylon Wheels (mm)	Strap Length (m)	Hydraulic Jack Max Lift (mm)	Toe Plate Size (mm)	Load Capacity (kg)	Height (mm)	Width (mm)	Weight Pair (kg)
H250300002	SK2000	400	125	-	3.8	400	380 x 120	2000	1160	510	102.0
H250300005	SK5000	200	-	150	4.5	200	600 x 150	5000	1170	790	232.0



## L1 & M1 Stairclimbers

- Speeds loading and delivery
- Operates on tight landings
- Eliminates product and premises damage
- Minimises physical effort and strain
- One-man operation reduces manpower
- In-transit charging kit

Product Code	Model	Maximum Capacity (kg)	Maximum Height Deck / Dock (mm)	Toe Plate (mm)	Overall Width (WxDxH) (mm)	Electronic Charger (V/amp)	Truck Construction	Wheels Dia. (mm)	Gel Filled Leak Proof Battery (V/amp)	Weight (kg)
H410920295	L1	295	840	600x100	610x420x1520	220/240 – 4amp	Aluminium	200	12/20	45.0
H410930680	M1	680	840	610x150	685x430x1520	220/240 – 4amp	Steel	200	12/30	75.0



## MTK Series Stairclimbers

- Highly portable
- Push button control
- Quick connect safety straps
- Removable battery for easy changing
- Adjustable handle for varying load heights
- One man operation reduces manpower

Product Code	Model	Maximum Capacity (kg)	Overall Height (mm)	Overall Height (folded) (mm)	Overall Width (mm)	Pneumatic Tyres (mm)	Battery	Weight Excluding Battery (kg)
H410910190	MTK190	190	1520	1100	510	260 x 85	24V 6.5AH	32.0
H410910310	MTK310	310	1620	1100	580	260 x 85	24V 6.5AH	35.0



# Trucks & Trolleys

## Turtable Truck - 1t



Heavy duty turntable truck capable of holding up to 1000kg. Featuring an 18mm plywood base. Supported by box section and steel angle with solid wheels.

- Trolley Bed 1525 x 760
- 18mm Thick Plywood
- Weight capacity of 1000kg
- Anti-friction turntable
- Supported by box section and steel angle with solid wheels

Product Code	Length (mm)	Height (mm)	Width (mm)
H410300001	2100	485	1000

## Turtable Truck - 2t



An anti-friction turntable provides easy steering and manoeuvrability. This turntable platform truck has numerous uses within factories, warehouses and general industrial environments.

- Trolley Bed 2000 x 1000
- 18mm Thick Plywood
- Weight capacity of 2000kg
- Precision turntable steering and large loop handle
- Wheels Solid Rubber

Product Code	Depth (mm)	Height (mm)	Width (mm)
H410300002	760	485	1760

## Board Trolley - 4 Wheel



Four wheel panel/board trolley designed as an effective aid in manual handling of common building sheets (excluding glass).

- Manufactured with a square section base and tubular steel top frame
- Designed for easy handling and moving of wooden panels, fencing panels plywood sheet, plaster board and other similar sheet items

Product Code	Safe Working Load (kg)	Board Load Width (mm)	Height (mm)	Width (mm)	Length (mm)
H453140350	350	350	1500	700	1500

# Trucks & Trolleys



## Sack Truck

Multi-load Sack Truck will address many different uses within the working environment or even at home.

- Straight Back Lattice Frame - this style of frame is designed to handle a wide range of small packages
- Double Grip Handles make steering easy
- Toe Plate - Lattice - is designed to provide support and balance
- Carries up to 150kg

Product Code	Length (mm)	Height (mm)	Width (mm)
H420300200	380 x 220	1160	450



## Pipe Bogey

This Skate is designed to carry long lengths of material such as drainage pipes and steel pipe sections.

- Up to 500kg carrying capacity
- Pipes up 450mm diameter
- Rubber 'snubbers' to protect the load

Product Code	Length (mm)	Height (mm)	Width (mm)
H453000500	760	500	570



## WEHA Slab Trolley

With a special mechanism which grips the slab automatically, this trolley enables easier and safer movement of slabs.

- Up to 500kg load capacity
- Pole for easy movement
- Clamps and bearing surface covered in rubber
- Weight 28kg

Product Code	Length of contact Surface (mm)	Height (mm)	Clamp Width (mm)
H420301500	540	860	20-160



## Pallet Trucks

A quality range of strong and durable pallet trucks to meet the majority of requirements. All trucks can be turned through 210° in either direction via the comfortable ergonomic handle.

- Smooth and quiet motion
- Easy handling
- Precisely adjustable raise and lower
- One-hand control
- Ergonomic handlebar
- Reinforced pallet entry rollers

Product Code		H410100025	H410102025	H410103020
Model		Standard	Wide	Long
Lifting Capacity	(t)	2.5	2.5	2.0
Wheel Size (Front)	(mm)	200 x 50	200 x 50	200 x 50
Load Wheel Size (Rear)	(mm)	80 x 70	80 x 70	80 x 70
Number of Wheels Front/Rear		4/2	4/2	4/2
Lifting Height	(mm)	115	115	115
Load Centre	(mm)	600	600	600
Steering Handle Height	(mm)	1230	1230	1230
Fork Height When Lowered	(mm)	85	85	85
Total Unit Length	(mm)	1555	1555	2405
Useable Fork Length	(mm)	1150	1150	2000
Fork Width	(mm)	160	160	160
Fork Thickness	(mm)	48	48	48
Inside Of Forks	(mm)	220	365	220
Outside Fork Width	(mm)	540	685	540
Floor/Ground Clearance	(mm)	37	37	37
Weight	(kg)	68.0	73.0	97.0

*Other capacities and fork width/lengths available on request*

# All Terrain Pallet Trucks

## Manual



For the transportation of palletised products on the building site.

- With large rubber wheels for easy movement
- The fork ends are driven under the pallet, the two main wheels are then located on the pallet's left and right sides. The load is raised using the hand pump and hydraulic cylinder

Product Code	Model	Maximum Pallet Length (mm)	Fork Range	Working Load Limit WLL (kg)	Weight (kg)
H410110012	PW-III	1250	Fully Adjustable	1500	195.0

## Electric



Pallet cart with electrical drive for easy transport of stone packs with pallets on the construction site.

- Powered by rechargeable battery with integrated charger
- Drive motor 24V/500W
- Lifting hydraulics 24V/800W

Product Code	Model	Maximum Pallet Length (mm)	Fork Range	Working Load Limit WLL (kg)	Weight (kg)
H410111012	PW-III-E	1,250	Fully adjustable	1,200	226.0

# Stone Handles, Extractors & Clamps



## Paving Stone Layer – VPH150

- Flexible and powerful laying device for dense products, such as granite or high quality concrete elements up to 150kg weight with the aid of a lifting device
- For lighter loads, handles for 2 man operation
- Handle height and width adjustable to accommodate with different laying tasks
- Oval suction plate fitted as standard - curb plate also available
- Optional wheelset (VPH-RS) available to enable single user operation

Product Code	Model	Working Load Limit WLL (kg)	Suction Plate Dimension (mm)	Weight (kg)
H611000150	VPH-150	150	Oval 440 x 250	16.5



## Kerb Stone Handle - BZ

Recommended for use in pairs, for the handling of kerb stones, edging stones, gutters and similar.

- Exchangeable rubber grippers

Product Code	Model	Gripping Range (mm)	Inside Height (mm)	Gripper Length (mm)	Working Load Limit WLL (kg)	Weight (kg)
H621060150	BZ	0 – 400	200	150	150	4.0

## Laying Clamp - VZ-1



Especially suitable for handling concrete kerb stones. The one-sided angular supports which are placed on the kerb stone enable an extremely narrow joint.

- Grips across the length so that it can be used in tight spaces
- Equipped with a lifting eye for use with lifting device

Product Code	Model	Gripping Range (mm)	Inside Height (mm)	Gripper Length (mm)	Working Load Limit WLL (kg)	Weight (kg)
H621050100	VZ-1	500 - 1,045	40	100	100	12.0



## Paving Block Extractor - SZ

The only one with a locking mechanism. Indispensable for anyone who lays pavers or is responsible for their maintenance.

- No need to constantly squeeze lever handles when pulling the block
- With sharp, profiled and hardened spring steel blades
- Also suitable for paving slabs that are already sanded in

Product Code	Model	Gripping Range (mm)	Weight (kg)
H621070000	SZ	90 – 330	4.0

## Universal Handle - BVZ



A large adjustable opening range means the BVZ can be universally used for all gardening and landscaping design products.

- Removable handles
- Exchangeable rubber bars as gripping elements
- Pin bolts to adjust the opening width

Product Code	Model	Gripping Range (mm)	Inside Height (mm)	Gripper Length (mm)	Working Load Limit WLL (kg)	Weight (kg)
H621040200	BVZ	0 – 550	210	200	200	12.0

## Manhole Cover Lifters

### Manhole Cover Lifter - SDH-M-10



Mechanical manhole cover lifter for lifting manhole covers up to diameter 900mm.

- Seized covers can be loosened easily with 2 fold out feet (lifting spindles) on the sides
- Handle length and angle can be adjusted and easily dismantled

Product Code	Model	Hook Centres Min/Max (mm)	Pulling Force (kg)	Weight (kg)
H551310210	SDH-M-10	100 / 590	1,000	34.0

### Hydraulic Manhole Cover Lifter - SDH-H-15



Heavy duty professional device. Universally suitable to lift and move away all common sizes of covers.

- High break-out force up to 1500kg
- Can be taken to pieces within seconds in order to be stowed in car boot

Product Code	Model	Max. Wheel Span (mm)	Hook Centres min/max (mm)	Lifting Height (mm)	Pulling Force (kg)	Weight (kg)
H551400001	SDH-H-15	1,050	260/950	310	1,500	36.0

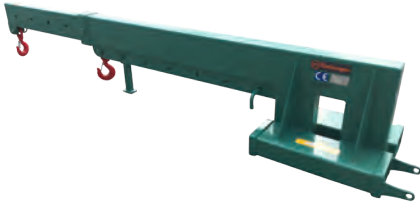
# Forklift Accessories

## Forklift Load Hooks



- The fork mounted load hook enables the conversion of any forklift unit into a simple mobile crane unit allowing the lifting of items by chains and slings in a secure and safe manner
- As with all Eichinger fork mounted units the 2084 is secured to the forklift by a heel pin NOT chain
- Always use the load hook in relation to the load capacity of the forklift truck

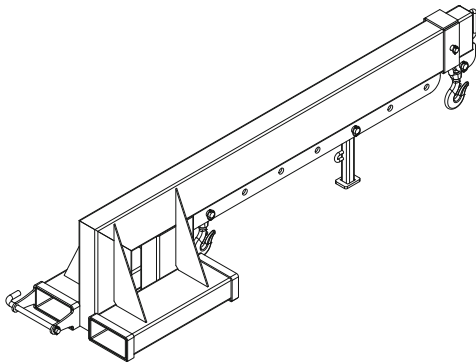
Product Code	Model	Load Cap. (t)	Length (mm)	Width (mm)	Height (mm)	Distance Between Forks (mm)	Fork Pocket Size (mm)	Weight (kg)
H530020020	2084.2	2.0	940	645	270	300	165 x 65	44.0
H530020030	2084.3	3.0	940	735	270	300	200 x 80	60.0
H530020050	2084.4	5.0	940	735	320	300	200x80	62.0



## Forklift Extending Jib

- Designed to convert a standard forklift truck into a universal mobile crane unit
- Heavy duty telescopic jib, extends in 7 steps
- Heel pin assembly for secure attachment to the forklift

Product Code	Model	Load Cap. (t)	Extendable Range (mm)	Width (mm)	Height (mm)	Fork Pocket Size (mm)	Prong Cross Section (mm)	Weight (kg)
H530010025	2081.1	2.5	700 - 3700	520	430	190 x 90	150	220.0
H530010050	2081.2	5.0	700 - 3700	520	510	190 x 90	180	250.0





# Forklift Accessories

## Fork Extensions



- Available in two sizes to enable the safe and efficient transportation of oversized items
- These items are manufactured from high grade steel, secured by fork retaining pins

Product Code	Model	Length (mm)	Min. Fork Length (mm)	Fork Pocket Size (mm)	Load Cap. (kg)	Weight (kg)
H530031400	2111.1	1400	1000	140 x 80	3000	70.0
H530031830	2111.2	1800	1400	180 x 100	4000	100.0



## Big Bag Spreader Beam

- The Big Bag Lifting Frame is a universal piece of equipment for use with either a crane or forklift truck
- Available from 1000kg to 3000kg SWL

Product Code	Model	Load Cap. (kg)	Length (mm)	Width (mm)	Height (mm)	Fork Pocket Size (mm)	Weight (kg)
H530110100	1097.1	1000	930	915	440	190x90	68.0
H530110150	1097.2	1500	930	915	440	190x90	72.0
H530110200	1097.3	2000	930	915	440	190x90	80.0
H530110300	1097.4	3000	930	915	445	190x90	92.0



# Bumpa Hoists

## Electric & Petrol

- Simple to use
- Quick to erect, simply unloaded from your truck and running within 4 minutes
- Up to 1,000 tiles can then be loaded onto any roof in under 25 minutes
- Powered reverse to strip a valuable salvage down easily, straight from the roof into the back of the truck
- 5 Kva transformer required for electric model
- Reliable Honda petrol engine supplied with petrol model

Product Code	Model	Power	Maximum Working Height (m)	Maximum Payload Overall (kg)	Maximum Carrier Payload (kg)	Belt Speed (m/min)	Maximum Angle (°)	Electric Motor (kW)	Machine Weight (kg)
H581020060	Hoddi 5m	Electric	5.0	80	20	20	65	0.75	87.0
H581010060	Bumpa 6m	Petrol	5.0	80	20	20	65	0.75	87.0
H581020080	Bumpa 8m	Electric	7.0	80	20	20	65	0.75	103.0
H581010080	Bumpa 8m	Petrol	7.0	80	20	20	65	0.75	103.0
H581020100	Bumpa 10m	Electric	9.0	80	20	20	65	0.75	119.0
H581010100	Bumpa 10m	Petrol	9.0	80	20	20	65	0.75	119.0

## Accessories

MATERIAL HANDLING



Product Code	Model
H581190008	Stand



# Shifra Conveyors



- Suitable for demolition, excavation and landscaping
- 100V working singularly or as part of a series of conveyors
- Maximum belt loading 200kg at 40° subject to the types of material being moved
- Forward/reverse operation
- Emergency stop
- Twin speed

	Product Code	Length (m)	Belt Width (mm)	Maximum Belt Load (kg)	Belt Speed		Maximum Angle (°)	Drum Motor (kW)	Storage Dimensions - Flat (m)	Noise Emissions (A weighted) (dB)	Machine Weight (kg)
					Fast (m/min)	Slow (m/min)					
Model 300	H581130032	3.2	300	150	20	28	N/A	0.55	0.27 x 3.2 x 0.6	75	103.0
	H581130044	4.4	300	150	20	28	N/A	0.55	0.27 x 4.4 x 0.6	75	126.0
	H581130054	5.4	300	150	20	28	N/A	0.55	0.27 x 5.4 x 0.6	75	140.0
Model 450	H581140032	3.2	450	200	20	28	N/A	0.75	0.27 x 3.2 x 0.75	75	116.0
	H581140044	4.4	450	200	20	28	N/A	0.75	0.27 x 4.4 x 0.75	75	160.0
	H581140054	5.4	450	200	20	28	N/A	0.75	0.27 x 5.4 x 0.75	75	180.0

## Accessories



Product Code	Model
H581190007	Hopper



Product Code	Model
H581190008	Stand



Product Code	Model
H581190009	Link Cable

MATERIAL HANDLING



# Building Hoists

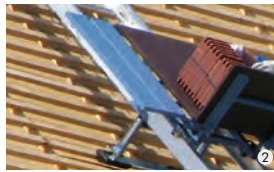
## GEDA Ladder Hoist

- GEDA Ladder, the inclined hoist for everything that has to be transported up or down
- Hoisting speeds of 22m to 30m/min dependent on model/load
- An extensive range of attachments and accessories available to safely transport plaster board, solar panels, tiles, bricks, rolls of felt etc
- Lift height of 19m to eaves, with further transport run enabled past the knuckle section to another 21m
- A site survey is recommended prior to installation to verify that the specification offered fully meets the requirement of the job

Product Code	Model	Load Cap. (kg)	Max. Ladder Rail Length up to the Eaves (m)	Max. Overall Ladder Length (m)	Rope Length (m)	Electrical (kW)	Power Supply (V/Hz)
H010810001	Lift 250	250	19	40	43, 63, 83	1.3	110/50



1



2



3



4



5



6



7



8



9

- 1) Tile holder especially designed for tilers with hinged safety guard and tile cart
- 2) You can also tile the roof below the ladder using the roof trestle, which is variably adjustable between 37cm and 60cm
- 3) Multi-purpose platform with folded lateral protection for the transport of a large variety of building materials (picture with bucket receptacle and buckets)
- 4) Multi-purpose platform with closed lateral protection-the Multi-purpose transport device
- 5) Multi-purpose platform with folded lateral protection and front flap
- 6) Multi-purpose platform with extracted lateral protection, which also allows transport of bulky goods
- 7) Twin variants of the continuously adjustable angle track section are available with long and short blades or equally long blades
- 8) The varioplatfrom with its foldable lateral protection allows transport of bulky goods without any problems. The inclination of the platform can be adjusted
- 9) The tipping skip for the standard trolley is automatically emptied by the tipping device, which can also be used inside the building. The adjustable prop is contained in the delivery
- 10) You can easily transport the winch using a cart. This allows for the components of the dismantled lift to be easily moved and stored in a space saving manner
- 11) Easy to work on the roof due to the roof tile batten trolley
- 12) The liftable trolley can make the skip tilt up 130°
- 13) Using the tilting trolley with the sheet carrier, you can easily unload large boards
- 14) Inforced ladders for up to 250kg
- 15) Ladders for up to 200kg load capacity

# Building Hoists

## Geda Rack and Pinion Hoists

- Delivering products up to 100m, the GEDA product range now includes matching landing-level safety doors for every construction hoist
- Doors are directly fastened to the scaffolding and will only open when the lift comes into contact with the landing-level safety doors and the specially designed locking device can be released
- A site survey is recommended prior to installation to verify that the specification offered fully meets the requirement of the job

Product Code	Model	Load Cap. (kg)	Max. Lift (m)	Lift Speed (m/min)	Electrical (V)	Power Supply (V/Hz)
H010820200	200z	200	50	20	230	230/50
H010820330	300z	300	100	30	230	230/50
H010820500	500z	500	100	30	400	400/50



MATERIAL HANDLING

**GEDA®**



# Skips

## Roll Forward Tipping Skips

The forklift Tipping Skip is the ideal solution when moving waste around your site. With four way fork pocket entry the units can be placed where required. Each unit is supplied with a fixed heel pin and safety catch to ensure the skip doesn't discharge during transit.

- Roller system with automatic release
- Can be tipped from any position by cable pull from the driver's seat

Product Code	Model	Capacity (l)	Load Cap. (kg)	Length (ext.) (mm)	Width (ext.) (mm)	Height (ext.) (mm)	Length (int.) (mm)	Width (int.) (mm)	Height (int.) (mm)	Fork Pocket Length (mm)	Fork Pocket Size (mm)	Weight (kg)
H589910300	2013.6	300	1000	1350	880	920	1060	800	640	420	190x85	190.0
H589910500	2013.8	500	1000	1370	980	1060	1235	900	780	580	190x85	210.0
H589910600	2013.9	600	1000	1370	1080	1060	1235	1000	780	580	190x85	220.0
H589910750	2013.10	750	1000	1370	1180	1060	1235	1100	780	580	190x85	230.0
H589911000	2013.12	1000	1000	1370	1580	1060	1235	1500	780	580	190x85	245.0
H589911200	2013.13	1200	1500	1670	1340	1300	1545	1250	1020	580	190x85	315.0
H589911500	2013.14	1500	1500	1670	1590	1300	1545	1500	1020	580	190x85	340.0



# 143

## Safety

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puts safety first puts safety first puts safety first  
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# CHECKMATE SAFETY HARNESSES

## Would your harness pass the test?

### Webbing

Look for cuts, tears, abrasions, chemical damage, discolouration, by visual and tactile means.

### Labelling

Traceability of the product is a legal requirement. All relevant information MUST be present and legible.

### Back Plate

Look for cuts, tears, abrasions, chemical damage, discolouration, by visual and tactile means.

### Attachments

Look for deformation, distortion, cracks and or corrosion by visual and tactile means.

### Stitching

Look for cuts, tears, frays, chemical damage, discolouration, by visual and tactile means.

### Buckles

Look for deformation, damage such as corrosion, sharp edges and cracks.  
Check functionality - does it work as it should.

### Webbing Keepers

Look for cuts, breaks and damage by visual and tactile means. Are they missing?



Hire from LGH and we'll do the inspecting for you.

**CHECKUSOUT:**  
[www.checkmateuk.com](http://www.checkmateuk.com)







# TR3 IS THE MAGIC NUMBER

THE **TR3**  
TRIPOD HAS A  
DURABLE ALLOY  
CONSTRUCTION  
THAT MAKES  
IT BOTH  
INCREDIBLY  
**TOUGH**  
AND  
INCREDIBLY  
**LIGHTWEIGHT**



THE **TR3** CAN  
PROVIDE MOBILE  
**ACCESS** OR **FALL**  
**PROTECTION** IN ANY  
**CONFINED SPACE**  
ENVIRONMENT

**CHECKITOUT:**

[checkmateuk.com/height-safety/products/anchors/TR3](http://checkmateuk.com/height-safety/products/anchors/TR3)

# Safety Harnesses

We have a wide range of Safety Harnesses, designed to cover the majority of requirements in the markets we serve.

## Standard Features:

- Front & Rear "D" attachment points
- Shock absorbing rear dorsal
- Wear pads on buckle connections
- Wear indicator webbing
- Fall indicator deployment flag



## PBH02

Product Code	Description
H440110001	Two-Point Fall Arrest Harness, with rear "D" and front chest attachment points. Front "D" is centrally located ensuring loads re-spread evenly. Four points of adjustment ensuring a better fit. The most popular harness, simple, versatile and ensures there is a separate connection for rescue.



## PBH04

Product Code	Description
H440110002	Four-Point Fall Arrest Safety Harness with front and rear "D" attachment points, waist belt with two side attachment points. Suitable for work positioning, telecommunications, pole and tower work.



## PBH06Y

Product Code	Description
H440210001	Rescue Fall Arrest Safety Harness, similar to the PBH02 model but with the addition of an integrated rescue yoke and strop. Used for rescue and in confined spaces.



## PBH10

Product Code	Description
H440110003	Rapid Don Fall Arrest Harness with front and rear "D" attachment points, shoulder yoke and padded leg loops and click lock buckles. A popular harness due to ease and speed of fitment and suitable for most applications.



## PBH14

Product Code	Description
H440110002	Four-Point Fall Arrest Safety Harness developed with the goal of eliminating harness induced 'Suspension Trauma' after a fall. By attaching to the sternum D, the SUPINE Harness becomes a very comfortable sit harness for carrying out work tasks when suspended for long periods of time.



## Lanyards

### Restraint Lanyards

Fixed and adjustable length webbing lanyards offering a variety of uses where the user needs to work without the risk of falling.

Product Code	Model	Description
H440310010	LR1.0BB	Fixed Length c/w Karabiner Hooks at each end – 1,000mm long
H440310020	LR2.0BB	Fixed Length c/w Karabiner Hooks at each end – 2,000mm long
H440320012	LRA1.2BB	Adjustable Length c/w Karabiner Hooks at each end – 8,50mm to 1,200mm long
H440320020	LRA2.0BB	Adjustable Length c/w Karabiner Hooks at each end – 1,250mm to 2,000mm long



### Shock Absorbing Lanyards

Fixed Length Webbing Lanyards with Shock Pack available with single or twin leg options to offer 100% tie off when moving around structures.

Product Code	Model	Description
H440310010	SAL2C-1.75	Single leg c/w Scaffold Hook – 1,750mm long
H440310020	SAL4C-1.75	Twin leg c/w Scaffold Hook – 1,750mm long



# Fall Arrest Blocks

## FAB3W

The FAB3W is a lightweight palm-sized Fall Arrest Block and is so light it can be mounted directly onto the user's harness via the rear D connector. Also available as a dual assembly for 100% tie off whilst moving between anchorages whilst moving around a structure.

Product Code	Model	Length (m)	Length (ft)	Description	Weight (kg)
H44060003	FAB3W	3	10	Fall Arrest Block (EN)	1.1



## FABX1-10C

The FABX1 is available with galvanised or stainless steel cable, Dyneema fibre rope or Dyneema webbing. Up to 10m (33ft) in length the FABX1 offers lightweight handling, excellent serviceability and exceptional performance.

Product Code	Model	Length (m)	Length (ft)	Description	Weight (kg)
H440600010	FABX1-10C	10	33	Fall Arrest Block Galvanised Wire (EN)	4.1



## FABX2-15C & FABX2-18C

The FABX2 is available with galvanised or steel cable. Up to 18m in length the FABX2 offers lightweight handling, excellent serviceability and exceptional performance.

Product Code	Model	Length (m)	Length (ft)	Description	Weight (kg)
H440600015	FABX2-15C	15	49	Fall Arrest Block Galvanised Wire (EN)	6.2
H440600018	FABX2-18C	18	59	Fall Arrest Block Galvanised Wire (EN)	6.4

SAFETY



# Lifelines & Anchors

## HLL1 and HLL1WK



- A temporary life line designed to be used for restraint or fall arrest applications
- Spanning up to 20m the system can accommodate 2 users at a maximum combined weight of 200kg
- The lanyard length is measured between the bearing points of the hooks
- Exchanging a karabiner for a scaffold hook could lengthen a lanyard beyond the maximum allowable length under the relevant EN standard

Product Code	Model	Description	Weight (kg)
H440510020	HLL1	25m of 16mm dia. Fibre Rope with Rope Vice Tensioner and Swivel Socket Karabiner Hooks at each end	4.0
H440500020	HLL1WK	20m Polyester Webbing Ratchet Life Line with Swivel Load Indicator Karabiners	3.0

## EcoAnchor Portable Water Filled Anchor



The EcoAnchor can be easily installed without the need to carry steel weights traditionally required for this application.

### Standard Features:

- Up to 15° incline allowed
- Fill and drain point
- Pressure release vent
- 360° swivel
- Maximum user weight 100kg

Product Code	Model	Description	Weight (kg)
H441010001	ECO-ANCHOR	EcoAnchor	11.4

## Weightanka Portable Man Anchor (KEE)



Designed for use where collective protection or permanent anchorage is not available. This fully modular system weighs only 250kg in its basic set up with no component weighing more than 25kg.

### Standard Features:

- Pedestal
- Standard weights with carrying handle
- Rubber base weights for improved grip
- Stabiliser and cross arma
- Maximum user weight 100kg

Product Code	Model	Description	Weight (kg)
H441000001	WEIGHTANKA	Portable Man Anchor (KEE)	250.0

SAFETY





# Confined Space Equipment

## TR3 Height Adjustable Tripod

Ultra lightweight, tough, and with a durable alloy construction, the TR3 Tripod is primarily to be used as personal protective equipment, to provide access or fall protection in confined space environments.

- Pulleys are protected from damage by an extended crown
- Spring Loaded Sliding Pulleys for ease of setup and retaining pin to prevent cable coming off the pulley
- Automatic leg lock out catches with trigger release

Product Code	Model	Capacity	Description	Height		Weight (kg)
				Overall (mm)	Lifting Point (mm)	
H440710001	TR3	250kg	Height Adjustable Tripod	1400 - 2400	1200 - 2200	14.7



## PPEW2000 Man Riding / Material Winch

The PPEW2000 functions as a secondary back up device where there is no assistance for the descent such as a ladder. An essential piece of equipment to meet the requirements of the EN 795 Class B Standard.

- 250kg capacity
- 20m lift
- Harken lokhead fibre rope capstan winches are also available for longer lengths. Hoisting speed can be increased by using a portable power tool

Product Code	Model	Description	Weight (kg)
H440810001	PPEW2000	Man Riding / Material Winch	8.5



## FABX2R & FABXLR Recovery Blocks

- The FABX2R & FABXLR function as standard Fall Arrest Block, but in the event of a fall, the rewind/rescue mechanism can be engaged to raise and/or lower a fallen worker
- Fitted as standard with a bracket to suit either the TR3 Tripod or the PGR Porta Gantry Rapide

Product Code	Model	Description	Weight (kg)
H440410001	FABXR-18C	18m/60ft Fall Arrest Block with recovery (galv wire)	9.4
H440410002	FABXLR	40m/130ft Fall Arrest Block with recovery (galv wire)	16.5

SAFETY



# Man-Riding Davits

## Counterweight Base System



- Unit supplied complete as standard with man-riding/material winch, Fall Arrest Recovery Block and Counterbalance Weights
- Fall Arrest Recovery Block and Mounting Bracket can be removed if not required
- Legs adjustable independently for unlevel ground
- Suitable for lowering to depths of 100ft (30m)

Product Code	Model	Safety Factor	Base Width (mm)	Base Length (mm)	No. 15kg Weights	Counterbalance Weight Required (kg)
H442010001	30073	4:1	1500	3100	24	360.0



## Adjustable Barrell Mount System

- Suitable for fitting onto shorings
- Unit supplied complete as standard with man-riding/material winch, Fall Arrest Recovery Block and Counterbalance Weights
- Fall Arrest Recovery Block and Mounting Bracket can be removed if not required
- Adjusts from 2 ¼ " to 25"
- Suitable for lowering to depths of 100ft (30m)

Product Code	Model	Safety Factor	Overall Width (mm)	Overall Length (mm)	Weight (kg)
H442020001	30029	4:1	322	915	45

## Other items available on request

## Gas Detection & Breathing Apparatus

### Altair 4X Gas Monitor

Product Code  
H431010004



### Dräger Saver CF Escape Set

Product Code  
H431020010



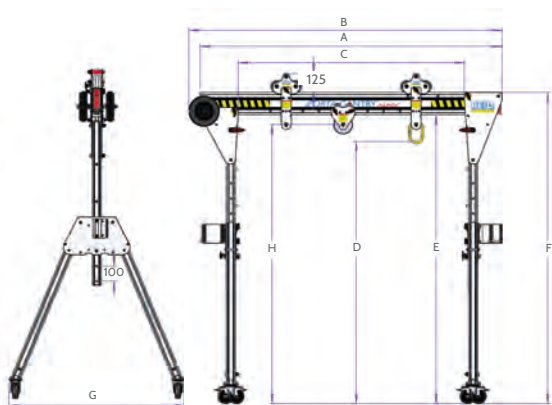


# Porta Gantry Rapide (PGR)

## Lightweight, PORTA-GANTRY

- Extremely light, the PGR gantry has a unique rapid deployment system that is quick to erect in less than a minute
- Meets the full requirements of EN795\* Class B to enable use for both materials and personnel lifting/man-riding
- The basic gantry assembly can be equipped with numerous accessories and trolley types as detailed below dependant on the task in hand
- All of our PGR Gantries are specifically equipped with a pair of winch brackets and end sheaves to suit either the FABXR Recovery blocks, the PPEW2000 man-riding/materials winch or both if required

Product Code	Model	Dimensions (mm)														WLL			Weight (kg)
		A Beam Length	B Max	C Min	C Max	D Min	D Max	E Min	E Max	F Min	F Max	G	H Min	H Max	J	Goods Capacity (kg)	Fall Arrest Capacity* (persons)	Personnel* (kg)	
H050410000	PGRS20	2000	2076	1100	1500										2190	500	3	250	33.0
H050410001	PGRS23	2300	2376	1200	1800	1738	1938	1914	2114	2064	2264	1158	1850	2050	2376	400	2	200	34.0
H050410002	PGRS40	4000	4076	2700	3500										4076	250	1	125	40.0
H050410003	PGRM20	2000	2076	1100	1500										2076	400	2	200	34.0
H050410004	PGRM23	2300	2376	1200	1800	1642	2042	1818	2218	1968	2368	1215	1755	2155	2376	400	2	200	34.0
H050410005	PGRM40	4000	4076	2700	3500										4076	250	1	125	40.0
H050410006	PGRT20	2000	2076	1100	1500										2631	250	1	125	38.0
H050410007	PGRT23	2300	2376	1200	1800	1916	2816	2092	2992	2242	3142	1586	2028	2928	2631	250	1	125	39.0
H050410008	PGRT40	4000	4076	2700	3500										4076	250	1	125	44.0



Frames easily fold onto beam forming compact, stowable unit. Fits into a typical service van.



PGR Trolley c/w Masterlink



PGR Trolley Close Coupled



PGR Sheave Carrier (Double)



FAB X2R x 18m



PPEW2000 Winch

SAFETY

Product Code	Model	Capacity	
		Materials (kg)	Personnel (kg)
H050420001	PGR Trolley c/w Masterlink	500	250
H050420002	PGR Trolley Close Coupled	500	250
H050420003	PGR Sheave Carrier (Double)	500	250
H440410001	FAB X2R x 18m	-	-
H440810001	PPEW2000 Winch	250	125







# Pre Lift Guide

## LOAD

- Weight and centre of gravity has been determined
- Anything inside/outside the load that could shift during the lift?
- Determine if the load needs protection against damage from the rigging
- All anchor bolts, hold downs, or fasteners have been removed
- Potential for binding - are load cells required to verify the load is free?
- Attachment points designed to take the load weight
- Is the load structurally capable of being lifted? (bending/twisting issues)

## RIGGING

- Determine the additional tensions based on the sling angles
- Ensure all rigging has adequate capacity for the additional tension
- Are shackles correctly sized for the sling eyes? D/d requirements met?

## PERSONNEL

- The roles, responsibilities and qualifications for personnel have been defined (P.I.C., Riggers, Signalperson, Crane Operator, etc.)
- A pre-lift meeting has been held with all personnel

## AREA PREPARATION

- The location for landing the load has been selected and prepared
- Blocking or cribbing is available to set the load on
- A travel path has been determined and cordoned off
- Other personnel in the area have been notified of the lift

## CRANE CONSIDERATIONS (Mobile Cranes)

- Is the lift within the crane's rated capacity (boom height/radius)?
- Have boom deflections been considered?
- Have any potential crane boom obstructions been identified?
- What are the limits on wind speed for making this lift?
- Have the ground bearing support conditions been met?
- Power lines in the area? Clearance and a spotter established?
- Counterweight swing area of the crane barricaded?

# Hoisting Guide

## PRIOR TO THE LIFT

- The rigging has been inspected before use
- The crane hook is positioned directly over the load's centre of gravity
- Softeners are used to protect the rigging where it could be damaged
- The slings and rigging hardware positioned correctly?
- Rigging provides positive control of the load? (no slipping/shifting)
- Safe load paths have been established
- Tag lines are being used to control the load (where appropriate)
- Communications between signalperson and crane operator have been established

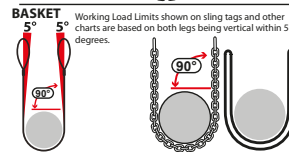
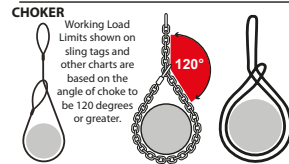
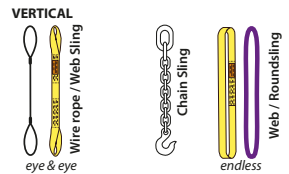
## DURING THE LIFT

- Tension is gradually applied to the slings and rigging is re-checked
- Lift and hold the load to verify the centre of gravity and load stability
- Personnel are not under the load or travel path (includes hands/feet)
- Personnel avoid being in the 'line of re' of tensioned rigging
- Lifted load is kept as close to the ground as possible
- Loads lifted high require extra distance for personnel (potential for the load to swing or bounce if rigging fails and the load falls)

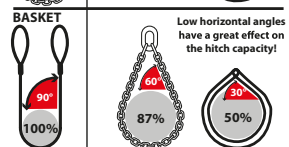
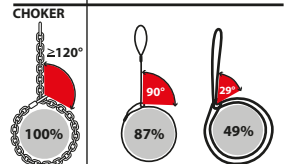
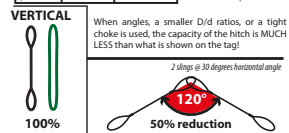
## AFTER THE LIFT

- A post-lift inspection performed on the load and rigging (in the locations subjected to forces applied from the lifting and/or near softeners or where slings came in physical contact with the load)
- A post-lift meeting is held (if applicable)
- Rigging equipment stored appropriately in proper location(s)

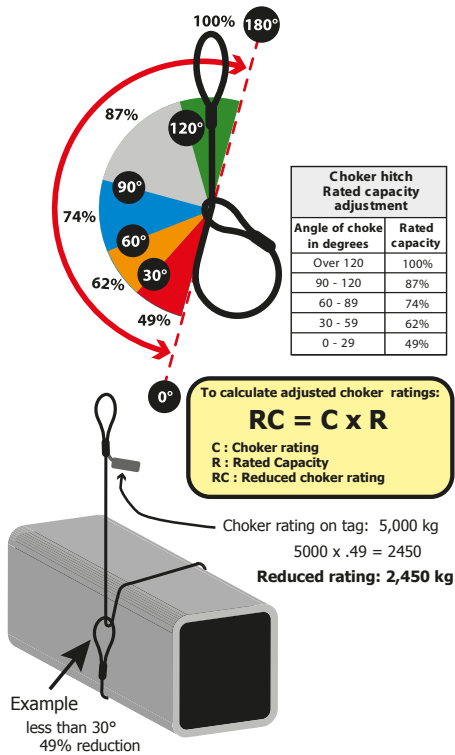
## Basic Hitches



VERTICAL 10,000 kg WLL	CHOKER 7,500 kg WLL	BASKET 20,000 kg WLL	Capacity tags show the Working Load Limit (WLL) for each hitch based on the examples on the left.
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# Choke Reduction



# Tension Calc Using Angles

To determine the amount of tension on a sling used at angles other than 90 degrees (vertical), use the table at the right to obtain the Load Angle Factor (L.A.F.) and following formula:

**(Weight ÷ No of legs) x L.A.F.**

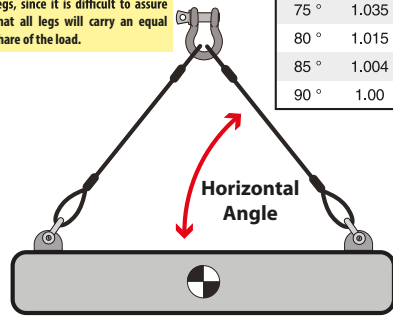
Example: If the load weight is 4,000 kg, and two (2) slings are used at a 40 degree angle each.

**(4000 ÷ 2) x 1.555 = 3,110**

Therefore, each leg will have 3,110 kg of tension.

It is recommended that you consider that only 2 legs will carry the load, even when using 3 and 4 legs, since it is difficult to assure that all legs will carry an equal share of the load.

Horizontal Angle	L.A.F.
5 °	11.49
10 °	5.75
15 °	3.861
20 °	2.924
25 °	2.364
30 °	2.00
35 °	1.742
40 °	1.555
45 °	1.414
50 °	1.305
55 °	1.221
60 °	1.155
65 °	1.104
70 °	1.064
75 °	1.035
80 °	1.015
85 °	1.004
90 °	1.00



# Tension Calc Using Angles

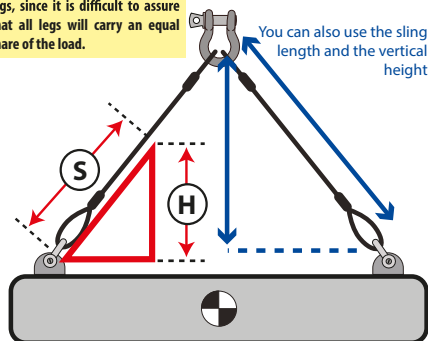
It's hard to determine the exact angle when working in the field unless you have a protractor handy. The following formula provides accurate calculations by using only measurements taken in the field:

**(Weight ÷ No of legs) X (S ÷ H)**

Example: The load weight is 6,000 kg and two (2) slings are used. You measure up the sling 36" (this is the "S" dimension) then measure straight down and obtain a 24" measurement (this is the "H" dimension).

**(6000 ÷ 2) x (36 ÷ 24) = 4,500 kg of tension per leg**  
**3000 x 1.5 = 4,500 kg of tension per leg**

It is recommended that you consider that only 2 legs will carry the load, even when using 3 and 4 legs, since it is difficult to assure that all legs will carry an equal share of the load.

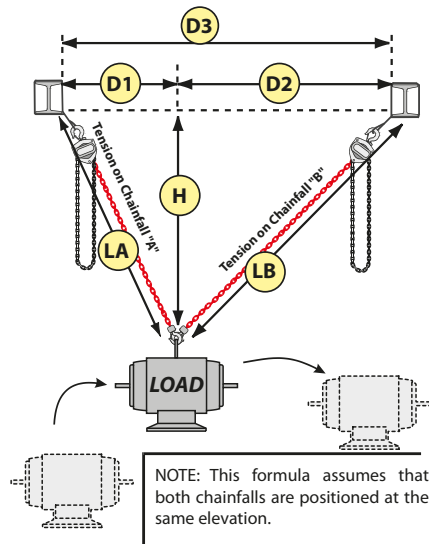


# Drifting Loads

To determine how much tension will be placed upon chainfalls used in angular rigging situations, use the following formula:

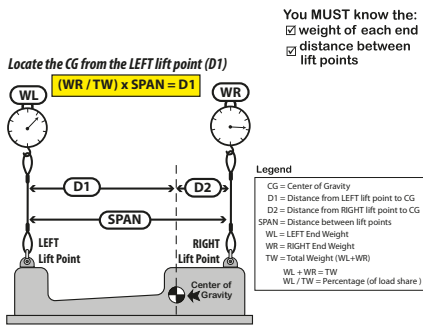
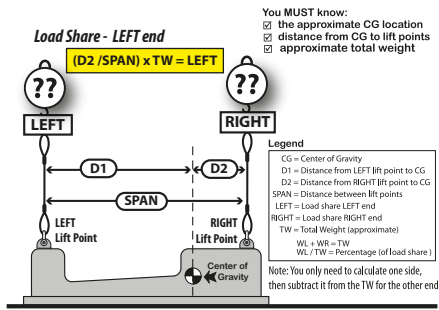
**Tension on Chainfall "A" = (Load weight x D2 x LA) ÷ (H x D3)**

**Tension on Chainfall "B" = (Load weight x D1 x LB) ÷ (H x D3)**



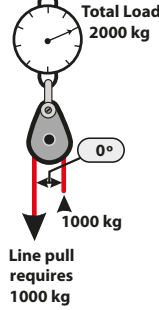
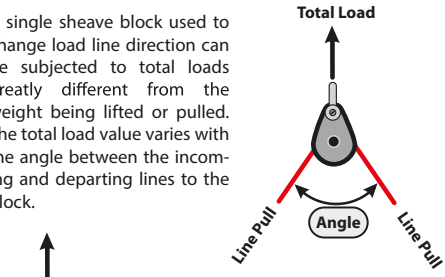
TECHNICAL INFO

# Determine Load Share / Find the centre of gravity

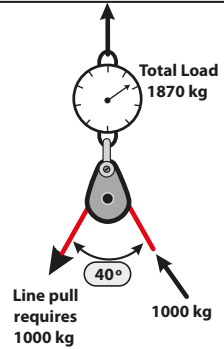


# Blocking Load

A single sheave block used to change load line direction can be subjected to total loads greatly different from the weight being lifted or pulled. The total load value varies with the angle between the incoming and departing lines to the block.



**NOTE: The total load at the pulley attachment point is always greater than the weight of the load being lifted!**



# Block Loading

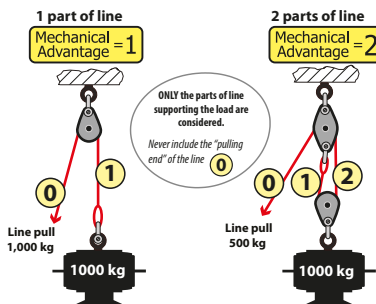
**Total Load = Line Pull x Angle Factor**

Example: 5000 kg line pull at 40° (5000 x 1.87) a total load of 9,350 kg

Angle	Factor	Angle	Factor
0°	2.00	100°	1.29
10°	1.99	110°	1.15
20°	1.97	120°	1.00
30°	1.93	130°	0.84
40°	1.87	135°	0.76
45°	1.84	140°	0.68
50°	1.81	150°	0.52
60°	1.73	160°	0.35
70°	1.64	170°	0.17
80°	1.53	180°	0
90°	1.41	--	--

## Mechanical Advantage

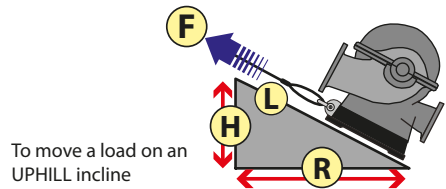
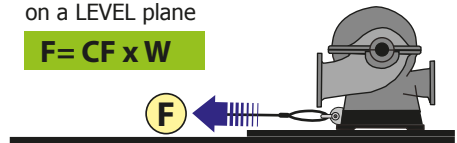
$Pull\ Required = \frac{Weight\ to\ be\ lifted}{Mechanical\ Advantage}$



# Pulling Forces

To move a load on a LEVEL plane

$F = CF \times W$



To move a load on an UPHILL incline

$F = [CF \times W \times (R \div L)] + [(H \div L) \times W]$

To move a load on a DOWNHILL incline:

$F = [CF \times W \times (R \div L)] - [(H \div L) \times W]$

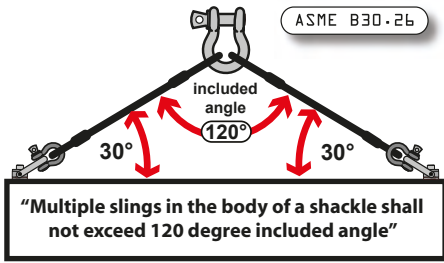
**LEGEND**

W =	Weight of load
CF =	Coefficient of friction
F =	Force required to move load
H =	HEIGHT (Vertical distance in feet)
R =	RUN (Horizontal distance in feet)

CF	Materials
0.05	Load on wheels/rollers
0.10	Steel on Steel (wet)
0.30	Metal on Wood (wet)
0.50	Wood on Wood (dry)
0.50	Wood on Concrete (dry)
0.60	Metal on Wood (dry)
0.65	Concrete on Concrete (dry)
0.74	Steel on Steel (dry)

These coefficient of friction values apply to hard, clean surfaces sliding against each other. These may not directly relate to your application due to actual surface conditions.

# Shackle Use



**NEVER side load Round Pin Shackles**

If the shackle is to be side loaded (with a SINGLE sling) the rated load shall be reduced according to the recommendations of the manufacturer or a qualified person. ASME B30.26 recommends reducing the capacity of a side loaded shackle from 30% to 50% as shown below.

**Side Loading**

50% Reduction

90°

30% Reduction

45°

No Reduction

5° 0°

# Shackle Use

**YES!**

**NO!**

**NO!**

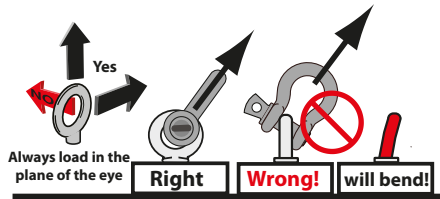
**YES!**

**NO!**

The shackle size should be the same diameter or larger than the wire rope size

Shackles must be large enough to avoid pinching of synthetic web slings

# Eye Bolt Use



Spacers or washers SHALL NOT be used between the bushing flange and the mounting surface

ASME B30.26

1-1/2 x dia

dia

Eye bolts and Hoist Rings should be threaded into the surface a minimum of 1.5 times the thread diameter\*

**vertical pull only!**

**NO**

**YES**

**Only Shoulder Eyebolts can be side loaded**

1-1/2"

1" dia

Flat washers may be used under the shoulder to position the plane of the eye

\* per ASME B30.26-2.9.4.2 "when used in a tapped blind hole, the effective thread length shall be at least 1-1/2 times the diameter of the bolt for engagement in steel... For other thread engagements or in other materials, contact the eyebolt manufacturer or a qualified person."

# Hook Use

90° MAXIMUM included angle for hooks

90°

45° 45°

Use a shackle when lower horizontal angles are encountered.

A hook latch (if required) must be operational; otherwise it shall be removed from service.

**NO!**

**NO!**

Do NOT tip load a hook!

Duplex hooks should be loaded equally on both sides

The width of the hook should not be wider than one half the length of the eye

ASME B30.9

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