



TUSK

LIFTING

LIFTING EQUIPMENT

OVERHEAD CRANES

SITE SERVICES

TESTING & INSPECTIONS

SHUTDOWN SOLUTIONS

OFFSHORE SERVICES

PRODUCT GUIDE

CALL: 03300 583 913

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ABOUT US

Tusk Lifting was founded in 2016 with the intention to be the go-to specialist company in the hire, sale, and servicing of lifting and material handling equipment. We think we're well on track to achieve that goal - and we're sure you'll agree with us once you've tried us.

Tusk's founders have over twenty five years' of specialist experience in the lifting and crane industry. Our company-wide culture is based upon priding ourselves on being dedicated and committed to providing the best level of customer service, which has resulted in the establishment of many long-term contracts with blue-chip companies on both a local and national basis.

Our Goal

Tusk was created with one ultimate goal - "to offer the most extensive ranges of lifting products & services at the best competitive rates whilst surpassing every one of our customers expectations in service" - quite the hefty task, but something we pride ourselves on. This is our mission statement and it's what we base our entire company philosophy upon.

We have built a team that shares the same passion as our founders, so this goal flows throughout the entire company infrastructure - by every member of the team. At the forefront, we are a customer focused business. It is because of this philosophy that we place so much importance on the quality of service every single customer receives - no matter how big or small the job. For us, the customer is always at the focus of everything we do and every solution we offer.

Our company culture is built upon aiming for 100% customer satisfaction across the board, something which has led us to serving many long term contracts across both local & national levels. We achieve this by offering the tailored solutions, for any requirements and ensuring the entire transaction process is as efficient as possible to leave the customer satisfied.

We are confident in our ability to abide by industry standard guideline to maintain the highest level of standards of excellence, openly offering invitations to be audited at any time. We offer this as we're that confident in the way we operate we will pass any auditing process at any time. We don't "get ready" - we stay ready - meaning you always get the best service from us.

Why Use Tusk Lifting?

In a marketplace as crowded as ours - you might be wondering “why should I use Tusk?”. We differentiate ourselves from the rest of the lifting marketplace in so many ways, but here are a few we think you’ll like....

- **24/7 Customer Service** - At Tusk, we operate a customer service department that is on hand 24/7 - 365 days a year. Sometimes a minor nuisance can escalate into a major problem if not dealt with straight away. Rather than apologising after a problem - we prefer to prevent problems. This means no matter how big or small of a problem you’re having, no matter what time, we are on hand to help.
- **Certified & Validated Equipment** - We only supply certified equipment that is ready to use as soon as you receive it. All of our equipment meets or exceeds the industry standards & guidelines - so you can be sure you are receiving safe, quality items.
- **Efficient, Nationwide Delivery** - We are equipped to deliver any product, anywhere in the country - whenever you need it. View our full range of shipping options to see which option suits your requirements best.

Accreditations

Through our continued high standards of quality and customer service Tusk Lifting has managed to achieve ISO:9001:2015 & ISO:45001:2018 certification through the Lloyds Register.

Contact Us

Need to get in touch with us? Whether you need a quote, to ask about an order or have any general enquiries, you can reach us at the following:

- ☎ 03300 583 913
- ✉ sales@tusklifting.co.uk

SERVICES

HIRE

Tusk has an extensive hire fleet that caters to jobs of any magnitude. All of our equipment is available on a long or short term hire basis at the most competitive rates within the industry. Our trained specialists have a wealth of experience and can advise on the most suitable piece of equipment to complete the task to the highest possible standard. We offer a fast and efficient delivery service to ensure that the equipment arrives at its destination as soon as possible. All equipment comes certified and ready to use.

SERVICE

Our trained team can service and repair most pieces of lifting equipment either on site or back at our workshops. At Tusk Lifting, we only offer the highest standard of customer service to ensure maximum satisfaction on your part. Our team has an extensive combined product knowledge and will be able to advise the best course of action, whether a repair or replacement is needed. Repair of some lifting equipment can be more cost effective than replacement, especially with the cheap hourly rate that we offer.

INSPECTION

Tusk Lifting can provide your company with the ongoing inspection service once you have purchased any piece of equipment. We can take the stress and hassle out of getting your timings right so you don't miss your compulsory L.O.L.E.R inspections; once you're on our computer systems, you'll never miss an inspection date again. We have competitive inspection rates, so letting Tusk take full control and manage your lifting equipment couldn't be easier. Call us to find out more and let Tusk take the weight off your mind.



SALES

At Tusk Lifting we have an extensive range of products for sale. We have a strong relationship with our suppliers, allowing us to offer extremely competitive rates along with very fast delivery times, ensuring that you get the best deal possible on your lifting equipment. We have specialist staff on hand at all times to offer advice on the best equipment for a specific process, ensuring a flawless, stress-free transaction from start to finish. If you want to find out more about these competitive rates, give us a call and our team will help you.



TESTING

Tusk Lifting's experienced testing team can accommodate nearly any test to suit your individual requirements; whether it's a simple 1te pad eye or a 100te skid frame, Tusk can provide a cost effective solution for testing. Tusk Lifting house a 50te pull test rig and a 50te compressive test rig; these rigs can be utilised for various testing methods. We have a large selection of portable test rigs that can execute most jobs on site, saving you time and money.

OVERHEAD CRANE SERVICES

WE UNDERSTAND YOUR NEED FOR A SWIFT SERVICE PERFORMED BY HIGHLY SKILLED ENGINEERS. WE SERVICE, INSTALL AND TEST ALL TYPES OF CRANES. MINIMISING DOWNTIME IS OUR PRIORITY.

THE OVERHEAD CRANE SERVICING DIVISION AT TUSK

Here at Tusk we offer a comprehensive service package that can be customised to suit your requirements.

The Overhead Crane Division team consists of engineers, all of whom have been cross-trained to be able to perform in both mechanical and electrical engineering environments. This combined skill set within the Overhead Crane Division workforce ensures full service coverage in all eventualities.

All Overhead Crane Division personnel are fully qualified to return any piece of equipment to full working condition and Tusk's Overhead Crane Service Manager has extensive experience in overhead cranes servicing and repairs.

AT TUSK LIFTING, WE PUT HEALTH AND SAFETY FIRST

- Health and Safety is the number one priority at Tusk, which is why we have gained Lloyds accreditation for both our Quality and health and safety procedures. A copy of our ISO:9001:2015 & ISO:45001:2018 certificates are available upon request.
- All staff are informed of industrial developments and trained in new skills where necessary. All of this means that at Tusk we are able to provide you with a team that truly understands the individual demands of each and every job.

CRANE INSTALLATION

- Expert advice on new cranes
- Commissioning of cranes
- De-commissioning of cranes
- Load testing

PREVENTATIVE MAINTENANCE

- Full LOLER and PUWER inspections carried out
- Full Diagnostic Reports
- Key accounts with OHC parts suppliers
- Tailored inspection regimes
- 365 day call-out service
- Fully trained, skilled personnel

EXPERT KNOWLEDGE

- Factory to foundation project management
- Expert advice on all crane issues
- Dedicated OHC team
- Fully trained, skilled personnel
- 24/7 availability - always on call
- Full customisation package



INSTALLED

Tusk can manage the factory to foundation process of any new Overhead Crane or Hoist. Our fully dedicated team will ensure that costs and down time are kept to a minimum. We make sure that all installation is carried out cost effectively, with the utmost approach to safety.



INSPECTED

Make sure your mandatory inspections are met before issues arise, avoiding any disruption. Fully trained personnel will inspect any make or model of Overhead Crane or Hoist. Thorough examination reports and crane health check sheets are produced on-site and any issues are immediately highlighted, reducing risk of an incident which could prove costly, or even fatal.



SERVICED

Arrange an inspection scheme with Tusk to suit your individual requirements, always in keeping with the LOLER. and PUWER regulations. We offer long or short term contracts with the most competitive prices around. Our fully trained staff can expertly advise on all servicing issues to help eliminate the need for costly replacements.



TESTED

Proof load testing is a crucial part of commissioning a new or modified crane or hoist. Tusk will arrange a proof load and fault test for a crane of any magnitude and can quickly diagnose any issues. The specialist team can service, inspect, test or install any new or modified crane or hoist, from a simple 500kg hoist to a 100Te Overhead Crane.

LIFTING & HOISTING EQUIPMENT

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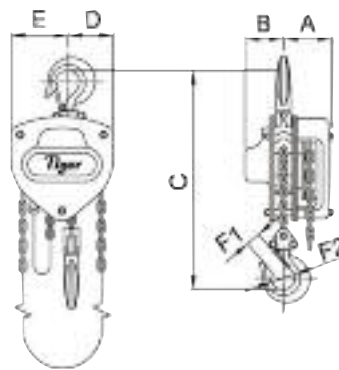
CHAIN BLOCKS

The TCB14 is manufactured from the highest quality steel materials, offering a lightweight, compact and rugged construction, producing an exceptionally strong product resistant to impact damage. The TCB14 is the ideal block for long term use with less maintenance and servicing costs. These units meet and exceed all the requirements within BS EN 13157:2004 & AI:2009

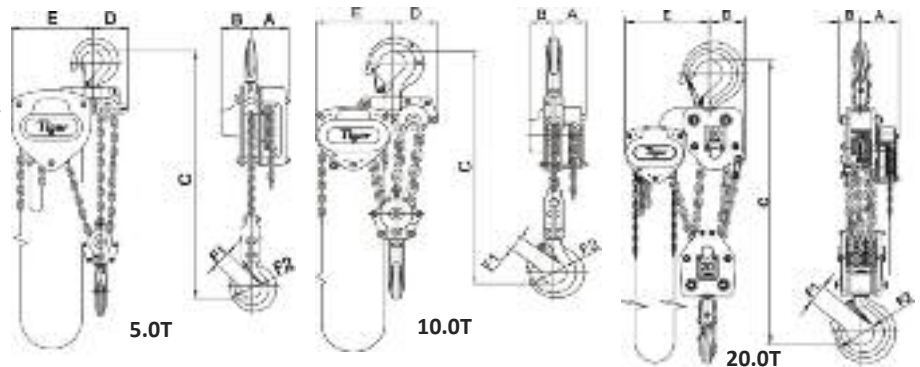
Main Features

- Range from 250kg – 30000kg
- Tested and certified for “fleeting”, “drifting” and “cross-hauling”
- Rugged steel body construction
- Lightweight and portable
- Double cover protection for brake chamber
- Drop forged and heat treated alloy hooks
- High quality alloy calibrated load chain
- Safe reliable twin pawl mechanical brake
- Guaranteed light load protection
- Heat treated alloy steel triple spur gears and pinion shaft
- Operating temperature of -50°C to +50°C
- Proof tested to 1.5 times rated capacity
- Can be chained to meet your exact requirements
- Individual spares readily available
- Can be customized with compatible Grade80/Grade100 components to meet specific lifting applications. **See Page 13 for more details.**

0.5T - 2.0T & 3.0T Single Fall



3.0T Twin Fall



Capacity (Tonne)	Dimensions (mm)							Load Chain		Weight with 3m HOL (kg)
	A	B	C	D	E	F1	F2	Size (mm)	Falls	
0.25	64	40	140	36	60	22	31	4.0	1	3.8
0.5	93	66	305	52	78	24	38	6.3	1	10.5
1	93	66	340	63	87	28	45	6.3	1	11.5
1.5	98	73	385	78	102	34	51	7.1	1	16
2	101	79	420	87	113	35	53	8	1	20
2	98	73	399	78	102	35	53	7.1	1	16.5
3	109	84	550	98	157	36	56	10	1	30.5
3	98	73	465	60	148	36	56	7.1	2	23
5	101	79	575	122	209	49	70	8.0	3	37.5
8	101	79	745	140	238	51	78	8.0	4	64
10	109	84	660	153	263	54	87	10.0	3	64
15	109	84	840	225	378	59	81	10.0	5	128
20	161	90	1050	148	360	81	110	10.0	6	178
20	161	161	1050	383	383	81	110	10.0	6	210
30	220	220	1200	388	388	91	135	10.0	10	307

HOISTS

CORROSION RESISTANT CHAIN BLOCKS

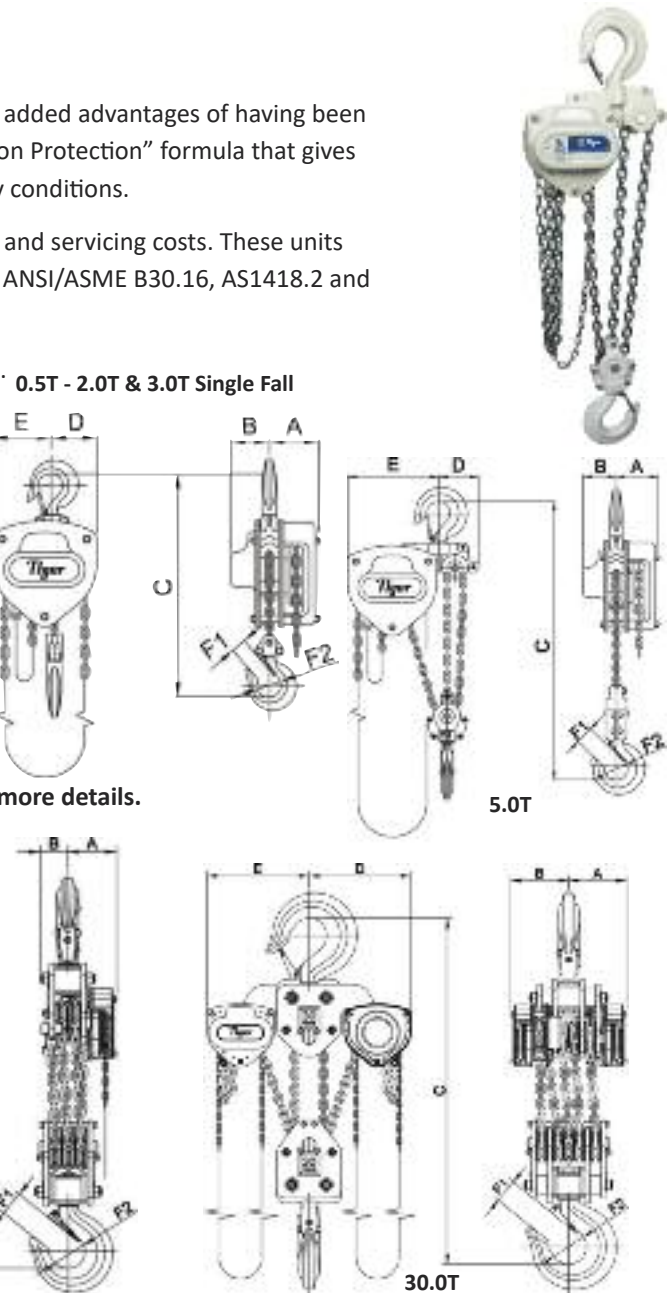
The SS12 provides all the features as the TCB14 on page 7, with the added advantages of having been fully protected against corrosion using Tiger's OCP "Organic Corrosion Protection" formula that gives over 1000 hours continuous protection under ASTM B117 Salt spray conditions.

The SS12 is the ideal block for salt water use with less maintenance and servicing costs. These units meet and exceed all the requirements BS EN 13157:2004+A1:2009, ANSI/ASME B30.16, AS1418.2 and SANS 1594.

Can also be supplied to Atex Approved Spark Resistant specification.

Main Features as the TCB14 plus the following

- Fully Corrosion protected body and components
- Over 1000 hours continuous protection
- Corrosion protected load and hand chain
- Applications up to 45° from the vertical without deration
- Marine specific friction discs
- Stainless steel fixings and fasteners
- Guaranteed 2% light load protection
- Marine chain bags available on request
- Can be customized with compatible Grade80/Grade100 components to meet specific lifting applications. **See Page 13 for more details.**



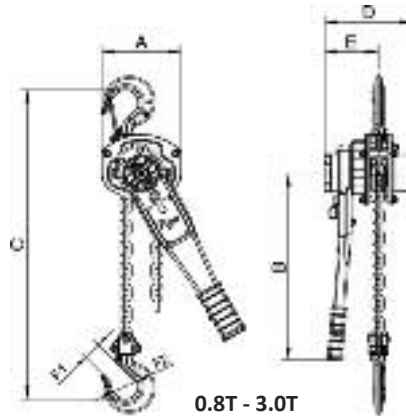
Capacity (Tonne)	Dimensions (mm)							Load Chain		Weight with 3m HOL (kg)
	A	B	C	D	E	F1	F2	Size (mm)	Falls	
0.5	93	66	305	52	78	24	38	6.3	1	10.5
1	93	66	340	63	87	28	45	6.3	1	11.5
1.5	98	73	385	78	102	34	51	7.1	1	16
2	101	79	420	87	113	35	53	8.0	1	20
3	109	84	550	98	157	36	56	10.0	1	30.5
5	101	79	575	122	209	49	70	8.0	3	37.5
10	109	84	660	153	263	54	87	10.0	3	64
15	109	84	840	225	378	59	81	10.0	5	128
20	161	90	1050	148	366	81	110	10.0	6	178
30	220	220	1300	388	380	91	135	10.0	10	307

LEVER HOISTS

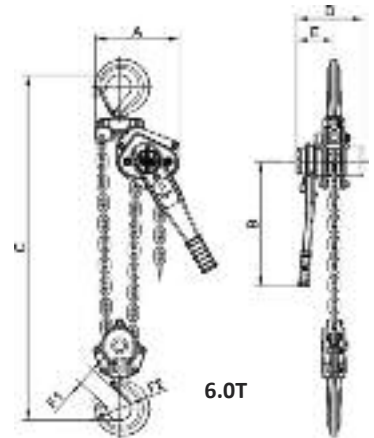
Lightweight, compact and rugged construction with the handle, gear case and brake cover made entirely of pressed steel, producing strong resistance to impact damage. Using only the highest quality materials, precisely machined throughout, ensures the PROLH is the ideal hoist for long term use with less maintenance and servicing costs. These units meet and exceed all the requirements within BS EN 13157:2004.

Main Features

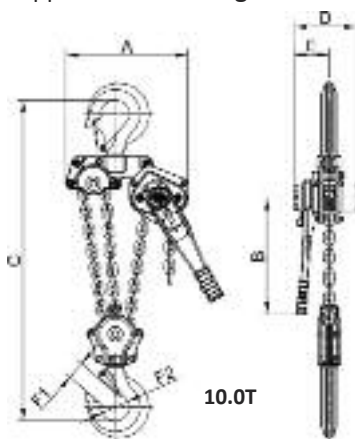
- Range from 800kg – 20000kg
- Rugged steel body construction
- Lightweight and portable
- 360° handle rotation
- Short stroke and low lever pulling effort
- Easy single-hand “freewheeling” operation
- Drop forged and heat treated alloy hooks
- High quality alloy calibrated load chain
- Safe reliable twin pawl mechanical brake
- Guaranteed light load protection
- Heat treated alloy steel triple spur gears and pinion shaft
- Heavy duty chain end stop
- Operating temperature of -50°C to +50°C
- Proof tested to 1.5 times rated capacity
- 1.5m height of lift as standard but can be chained to exact requirements
- Individual spares readily available
- Can be customized with compatible Grade80/Grade100 components to meet specific lifting applications. **See Page 13 for more details.**



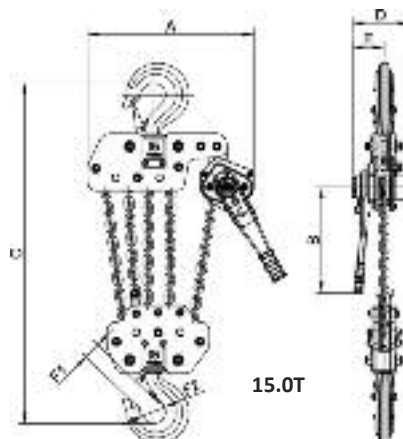
0.8T - 3.0T



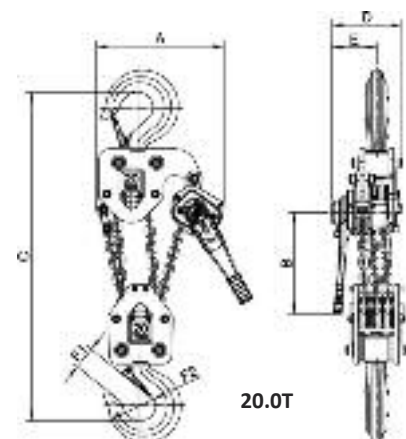
6.0T



10.0T



15.0T



20.0T

Capacity (Tonne)	A	B	C	Dimensions (mm)				Load Chain		Weight with 1.5m HOL (kg)
				D	E	F1	F2	Size (mm)	Falls	
0.8	128	236	295	158	99	28	45	6.3	1	7.5
1.5	154	360	320	172	104	34	51	7.1	1	10.5
3	182	360	400	195	108	36	56	10.0	1	18
6	242	360	570	195	108	49	70	10.0	2	28.5
10	379	360	630	195	108	54	87	10.0	3	46
15	566	360	840	195	108	59	81	10.0	5	112
20	470	360	1050	250	160	81	110	10.0	6	156

HOISTS

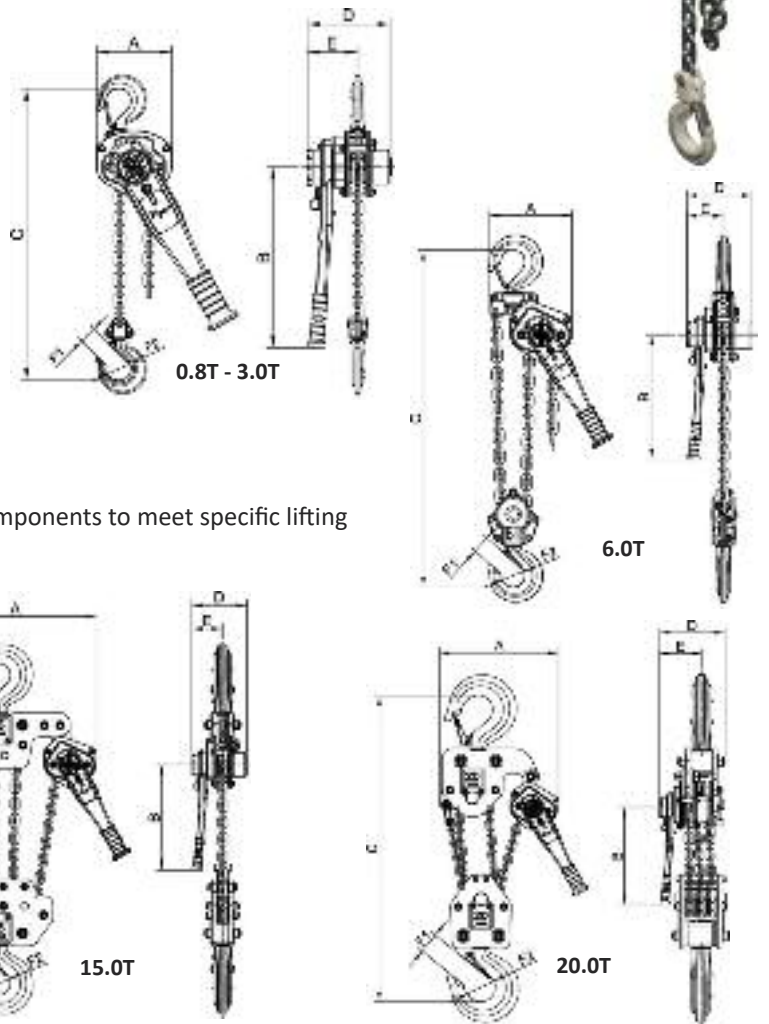
SUBSEA LEVER HOISTS

The SS11 has been designed and developed over a number of years for use primarily in the Subsea environment. The design and anti-corrosion features incorporated in the SS11 hoist range give it significant safety advantages over standard lever hoists, making the hoist the ideal tool for all Marine and extreme applications.

Developed initially with the goal of giving key stakeholders within the Oil and Gas Industry a hoist that could be certified for safe use Subsea whilst meeting all the requirements of IMCA DO28 Rev. 1 "Guidance notes for offshore lever hoists" the SS11 meets and exceeds these requirements, as well as conforming to standards such as BS EN 13157:2004, ASME B30.21-2005 and AI:2009.

Main Features

- Range from 800kg – 20000kg
- Patented Quad Cam Pawl System
- Equipped with our unique intelligent Torsion Brake System
- One piece construction pinion gear
- Marine specific friction discs
- Light load protection at 2% of the rated capacity
- Fully Corrosion protected body and components
- Adaptable to use both inverted and horizontally
- Brake chamber protection from outside contamination
- High performance premium grease
- Stainless steel fixings and fasteners
- -40°C to +50°C Operating temperature range
- Adjustable chain end anchorage
- Can be customized with compatible Grade80/Grade100 components to meet specific lifting applications. **See Page 13 for more details.**



Capacity (Tonne)	Dimensions (mm)							Load Chain		Weight with 1.5m HOL (kg)
	A	B	C	D	E	F	F1	Size (mm)	Falls	
0.8	128	243	295	158	99	28	45	6.3	1	9
1.5	154	370	320	172	104	34	51	7.1	1	12.5
3	182	370	400	195	108	36	56	10.0	1	22
6	242	370	570	195	108	49	70	10.0	2	34.5
10	379	370	630	195	108	54	87	10.0	3	55
15	566	370	840	195	108	59	81	10.0	5	128
20	470	370	1050	250	160	81	110	10.0	6	174

TIGER ADAPTOR HOISTS

These units meet and exceed all the requirements within BS EN 13157: 2004+A1:2009 and AS1418.2.

All fittings meet the standards of EN1677 grade 100 at 400°C tempering

- Available for Tiger TCB14/SS12 chain blocks and PROLH/SS11 lever hoists
- Overload protection available
- Lever Hoists – 800kg – 10t capacity
- Drop forged adaptor for maximum strength certified 4:1 FOS at all angles
- For lifting at angles (cross hauling/fleeting/driftng)
- Self-locking (safety) hook, clevis shackle, reeveable egg (master) link or sling hook fitting available
- Chain Blocks – 500kg – 10t capacity



ENTERTAINMENT RIGGING

A range of Tiger Products are available in black finish for the entertainment industry.

Please ask us if you'd like more information.

- Chain Blocks, Lever Hoists, Beam Clamps, Trolleys and combination block and trolley units
- Durable lightweight products
- Black chain carriers for Chain Block hand chain available
- Proven track record
- Different capacities and heights of lift to suit your specific requirements



HOISTS

ELECTRIC CHAIN HOISTS

- Ideal for any hire fleet or construction/industrial use
- Extremely hard wearing
- Manual adjustable limits
- Available in 110v single phase and 3 phase 415v
- Easy access to working parts for repair
- Gear train lifetime extended due to being lubricated with non-oxidising grease
- Options include: Push trolley, Geared Trolley and Powered Trolley



Model	Capacity (kg)	No. Falls	Chain Dimensions (mm)	Lifting Speed Main Lift (m)	Fine Lift (m)	Hoist Motor (kW)	Motor Rating (ED%)	Weight 3m HOL (kg)
CPE 16-8	1600	1	11 x 31	8	-	2.3	40	88
CPEF 16-8	1600	1	11 x 31	8	2	2.3/0.58	40/20	93
CPE 20-8	2000	1	11 x 31	8	-	2.8	25	88
CPEF 20-8	2000	1	11 x 31	8	2	2.8/0.7	25/15	93
CPE 25-5	2500	1	11 x 31	5	-	2.3	40	88
CPEF 25-5	2500	1	11 x 31	5	1.25	2.3/0.58	40/20	93
CPE 30-5	3000	1	11 x 31	5	-	2.8	25	88
CPEF 30-5	3000	1	11 x 31	5	1.25	2.8/0.7	25/15	93
CPE 32-4	3200	2	11 x 31	4	-	2.3	40	107
CPEF 32-4	3200	2	11 x 31	4	1	2.3/0.58	40/20	112
CPE 40-4	4000	2	11 x 31	4	-	2.8	25	107
CPEF 40-4	4000	2	11 x 31	4	1	2.8/0.7	25/15	112
CPE 50-2	5000	2	11 x 31	2.5	-	2.3	40	107
CPEF 50-2	5000	2	11 x 31	2.5	0.6	2.3/0.58	40/20	112
CPE 100-2	10000	4	11 x 31	2.5	-	2 x 2.3	40	282
CPEF 100-2	10000	4	11 x 31	2.5	0.6	2x 2.3/0.58	40/20	287

PNEUMATIC HOISTS

- Can be supplied chained to any required height or lift
- Supplied as standard with pendant control or with pull cord operation
- Zinc plated, calibrated load chain
- Toku rotary vane motor
- ATEX zone 2 specification
- Robust epicycle gearbox
- Failsafe automatic internal disc brake
- Mechanical upper & lower switches
- Cast steel housing
- Internal silencing down to 83 dB(A)
- Alloy safety swivel hooks with safety catch
- Load chain 6.3 x 19mm of European manufacture to EN818-7
- Automatic load limiter



Capacity (kg)	Lift Speed (m/min)		Control Length (m)	Chain Falls	Air Consumption Full Load (l/sec)	Air Connection BSP*	Hose Dia (mm)	Weight 3m HOL
	Full Load	No Load						
250	10.5	16.0	2	1	22	1/2"	13	21
500	9.5	16.0	2	1	22	1/2"	13	23
1000	4.8	9.5	2	2	22	1/2"	13	28
1000	6.0	11.3	2	1	22	1/2"	13	35
2000	3.0	5.7	2	2	22	1/2"	13	40
3000	2.8	5.7	2	1	33	1/2"	19	69
6000	1.4	2.9	2	2	33	1/2"	19	90

* For hose lengths in excess of 10m, diameter should be increased.

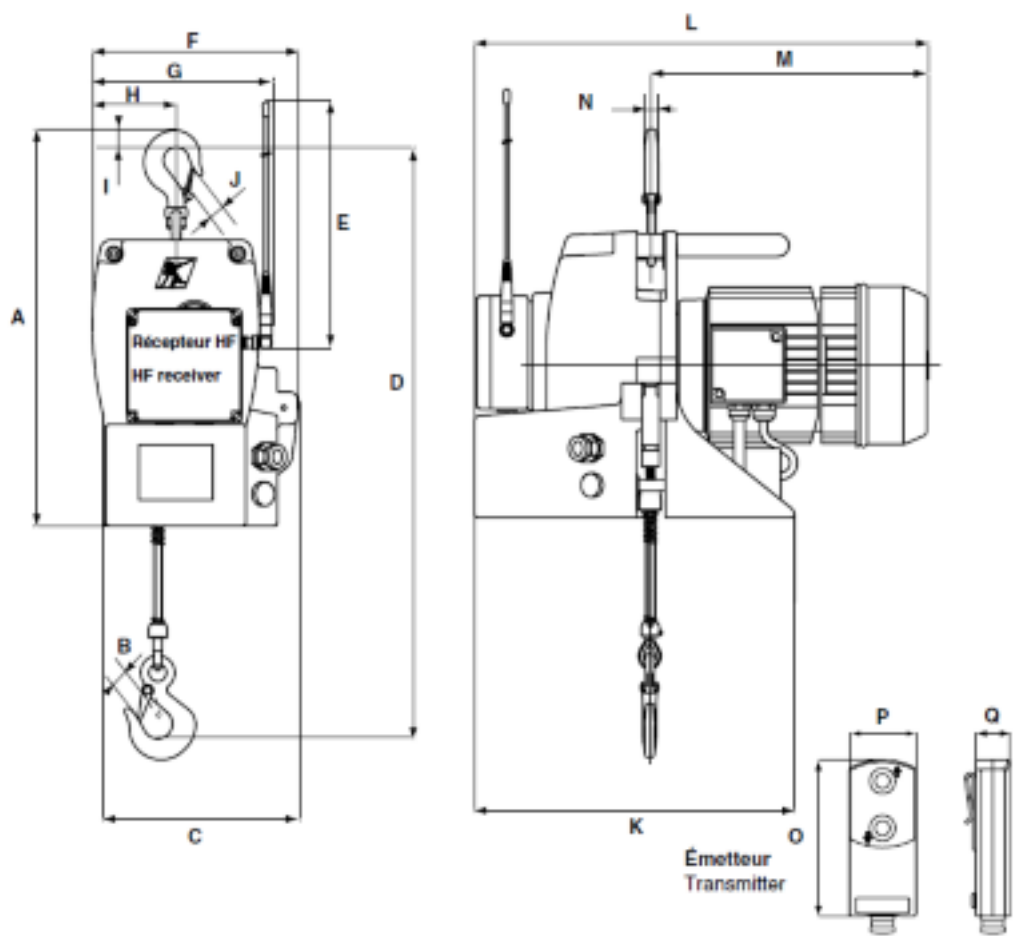
All models operate at pressures down to 4 bar but speeds will be significantly reduced at lower pressures.

HOISTS

MINIFOR

The Tractel Minifor TR50 with wireless remote control can be used to lift or pull objects over great distances, and is suitable for use in numerous configurations. It is easy to use, low-weight, robust and powerful.

- Capacity - 100kg, 300kg or 500kg
- Quick Installation
- Available as single phase and three phase model
- Also available with cable reeling device (max. 40m)

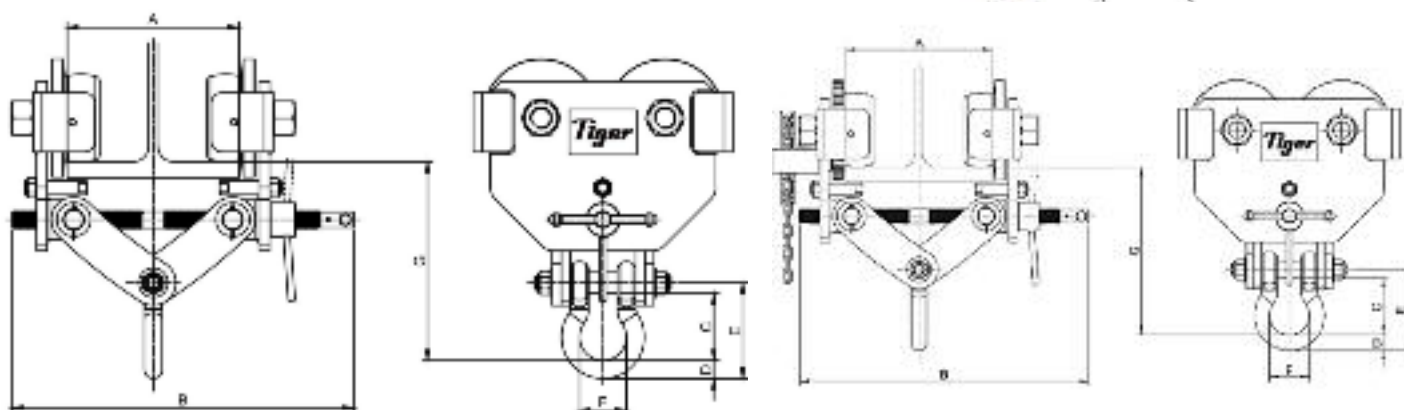


Model	WLL (kg)		Speed (m/min)		Dimensions (mm)																	Weight (kg)
	Direct	Sheaved	Direct	Sheaved	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	
TR50	500	950	7	3.5	430	20	212	642	355	224	194	90	20	20	347	492	302	15	160	68	35	33

BEAM TROLLEYS

Beam trolleys can be used to provide quick and versatile hoisting points that can be used as temporary or permanent solutions for a variety of lifting applications.

- Can be supplied as push or geared
- Range from 1 to 10 Tonne
- Easily adjustable to suit beams up to 305mm (10 TE)
- Tiger trolleys are designed to provide smooth and easy traversing
- Anti-drop plates ensure extra safety and also prevent damage to wheels
- The 5:1 factor of safety allows for use with manual or powered hoists
- Fitted with a screw spindle which allows lockable adjustment to the various flange sizes within its capacity
- Wheels run on sealed ball bearings, making smoother rolling with less effort and maintenance



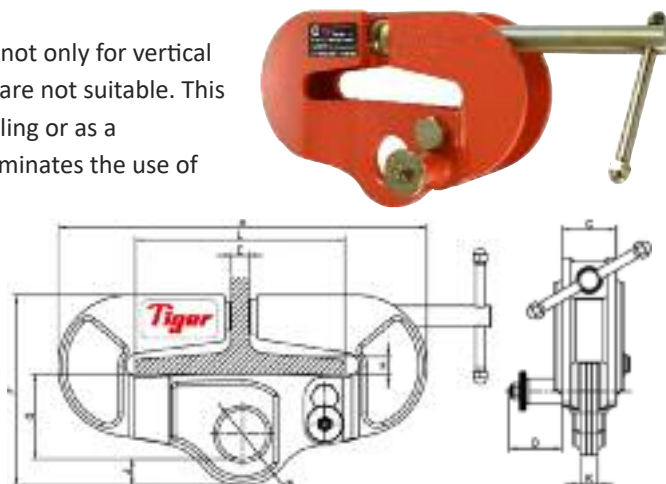
Capacity (Tonne)	Track Width Range (mm)	Dimensions (mm)						MIN CURVE RATIO (M)	NET WEIGHT (KG)
	A	B	C	D	E	F	G		
1.0	75-210	391	83	16	110	81	255-208	1.0	9.5
2.0	75-210	391	94	18	123	89	276-227	1.3	13.5
3.0	75-210	403	105	22	141	112	288-241	1.5	23.0
6.0	105-305	521	111	27	151	126	358-290	1.5	35.5
10.0	160-305	606	119	32	170	83	400-340	2.7	118.0

TROLLEYS AND CLAMPS

UNIVERSAL BEAM CLAMPS

The Tiger Universal Beam Clamp Model No BCU has been designed not only for vertical use, but also for side load applications, where conventional clamps are not suitable. This clamp is highly flexible in application and can be used for lifting, pulling or as a semi-permanent anchor point. It can be loaded at any angle and eliminates the use of spreader beams in various lifting operations.

- Full rated capacity at any lifting angle
- Quick and versatile rigging point for hoisting equipment
- Complies with ASME B30.20 and EN13155 :2003+A2 :2009
- Low headroom design
- Operating temperature of -50°C to +50°C
- Designed to accommodate a wide range of beam widths
- Multidirectional adjusting screw spindle ensures a high clamping force to beam web
- 4:1 factor of safety

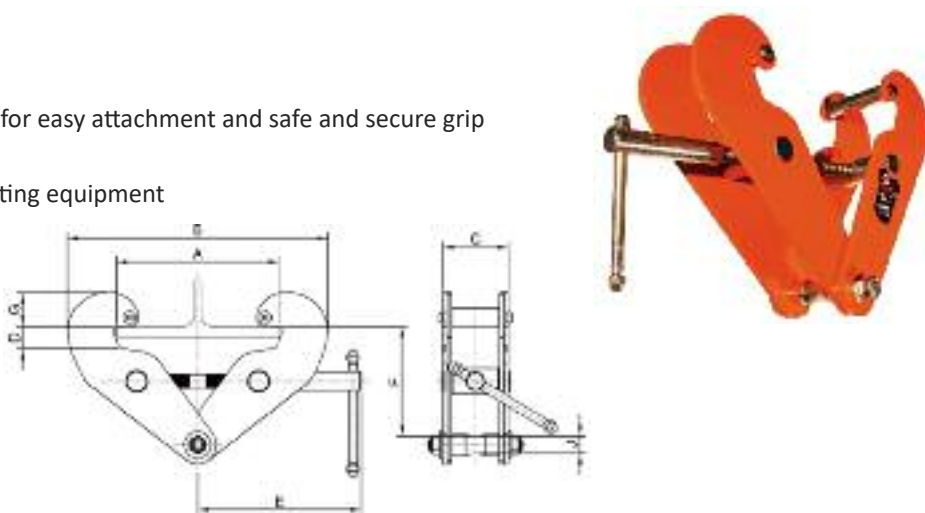


Capacity (Tonne)	A	B	C	D	E	Dimensions (mm)		H	J	K	L	Weight (kg)
2.0	337	58	60	68	32	203	88.5	25.5	22.5	20	76-190	10.0
3.0	387	60	70	63	32	235	100	25.5	28	20	125-204	15.5
5.0	524	70	74	72	32	268	120	25.5	36	24	125-305	27.0
10.0	524	70	75	82	32	278	120	25.5	38	25.5	125-305	31.0
10.0	539	76	76	82	47	286	120	40	38	25.5	125-305	33.0

E = Maximum Beam Web Thickness. H = Maximum Beam Flange Thickness

BEAM CLAMPS

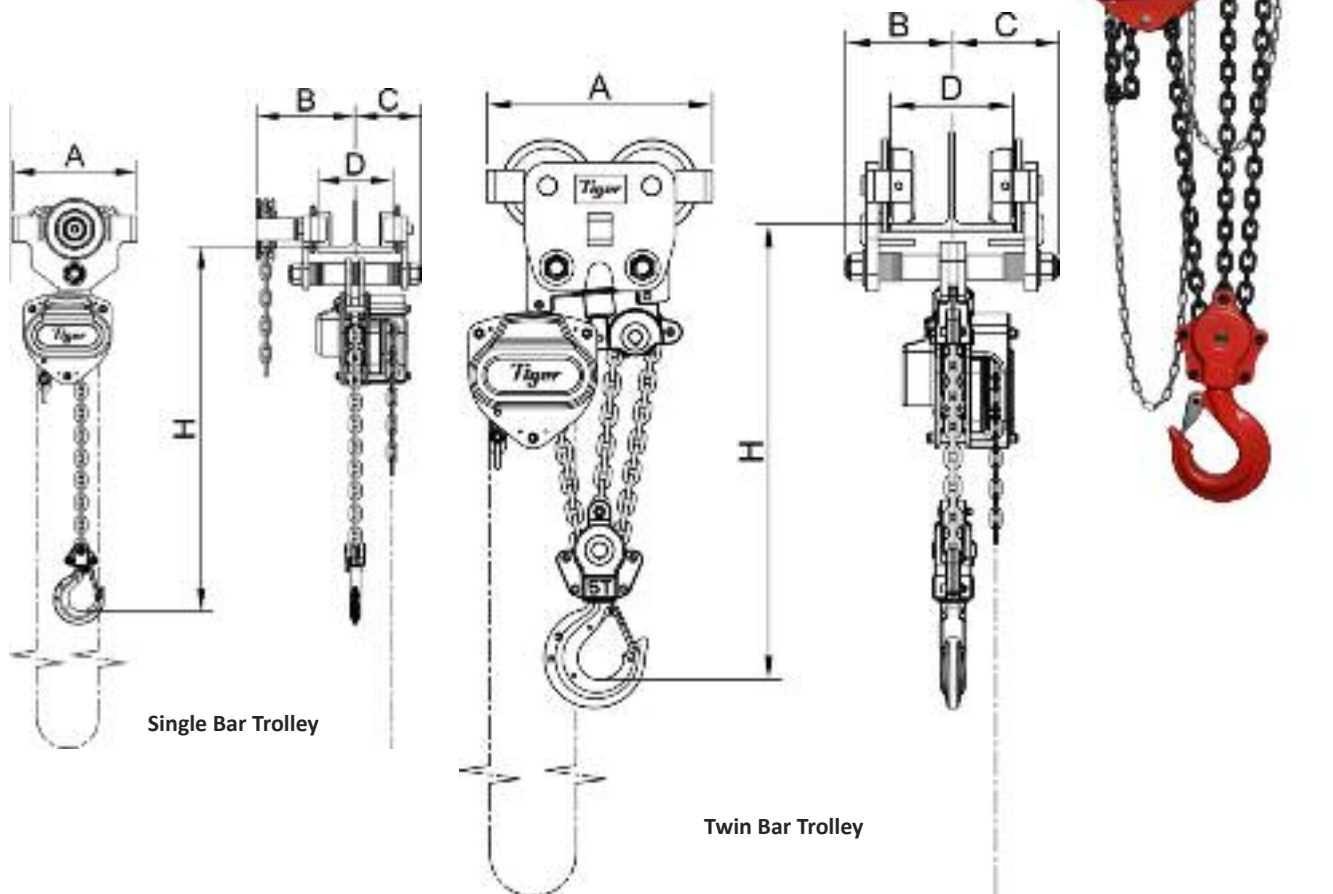
- Range from 1.0T to 10.0T
- Multidirectional adjusting screw spindle for easy attachment and safe and secure grip
- 5:1 Safety factor
- Quick and versatile rigging point for hoisting equipment
- Wide Beam flange adjustment range
- Low headroom because of the built in anchor point
- Operating temperature of -50° to +50°



Capacity (Tonne)	A	B	C	Dimensions (mm)		F	G	J	Weight (kg)
1	75-210	182-328	77	24	195	144-117	52-38	20	4
2	75-210	182-328	85	24	195	144-117	52-38	20	4.5
3	75-305	214-460	107	25	250	224-179	58-40	22	8
5	75-305	214-460	121	25	250	224-175	58-40	28	10
10	120-350	295-510	182	30	300	222-171	71-54	43	24.5

COMBINED CHAIN BLOCK AND TROLLEY

- Range from 500kg to 30 Tonne
- Twin bar or single bar trolley options
- Ideal for locations where headroom is limited
- Extended beam width available
- Geared and plain trolley versions available
- Corrosion or Spark Resistant versions available



	Capacity (Tonne)	D - Track Width		A	Dimensions (mm)			Weight (Kg) 3m HOL	
		Range 1	Range 2		B	C	H	Plain	Geared
Single Bar Trolleys	0.5	62-128	62-203	195	106	106	310	16	20
	1	62-128	62-203	213	113	113	350	19.5	23.5
	2	88-154	88-230	236	136	136	450	33	37.5
	3	88-153	88-230	270	146	146	530	48.5	53.5
Twin Bar Trolleys	3	88-153	88-203	320	142	142	435	45.5	58.5
	5	106-194	106-305	352	167	166	545	69	74.5
	10	150-320	N/A	460	255	255	730	185	200
	15	150-320	N/A	930	335	255	880	N/A	420
	20	150-320	N/A	930	335	255	1000	N/A	460
	30	150-320	N/A	990	348	267	1145	N/A	640

GENERAL LIFTING EQUIPMENT

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CHAIN SLINGS

We are major stockists of the Crosby/Kuplex and William Hackett Grade 80 and Grade 100 chain and chain sling components. Because of this we can make up any chain sling combination the same day to your exact specification, fully certified. Our chain slings are available in a range of material grades, sizes and assemblies ready for Hire or Purchase. **Please ring the office today for a competitive quote.**



GRADE 80

Chain Size (mm)	Single Leg	Endless	Two Leg		Three and Four Leg	
			0° - 45°	45° - 60°	0° - 45°	45° - 60°
7	1.5	2.5	2.1	1.5	3.15	2.2
8	2.0	3.1	2.8	2.0	4.2	3.0
10	3.15	5.0	4.25	3.15	6.7	4.75
13	5.3	8.5	7.5	5.3	11.2	8.0
16	8.0	12.5	11.2	8.0	17.0	11.8
20	12.5	20.0	17.0	12.5	26.5	19.0
22	15.0	23.6	21.2	15.0	31.5	22.4
26	21.2	33.5	30.0	21.2	45.0	31.5
32	31.5	50.0	45.0	31.5	67.0	47.5

GRADE 100

Chain Size (mm)	Single Leg	Endless	Two Leg		Three and Four Leg	
			0° - 45°	45° - 60°	0° - 45°	45° - 60°
6	1.4	2.2	2.0	1.4	2.9	2.1
8	2.5	4.0	3.5	2.5	5.3	3.8
10	4.0	6.4	5.6	4.0	8.4	6.0
13	6.7	10.7	9.4	6.7	14.1	10.1
16	10.0	16.0	14.0	10.0	21.0	15.0
20	16.0	25.6	22.4	16.0	33.6	24.0
22	19.0	30.4	26.5	19.0	39.9	28.5
26	26.5	42.4	37.1	26.5	55.7	39.8

The standard sling configurations are:

SINGLE LEG



ENDLESS



TWO LEG



THREE & FOUR LEG



POLYESTER SLINGS

POLYESTER FLAT SLINGS

Our standard flat slings come as duplex (2 Layers) and offer solutions to most lifting problems. Woven from high tenacity polyester yarn, these slings feature low weight, flexibility of use and ease of handling. They give significant improvements in safety and costs in comparison to other lifting equipment.



- Manufactured in accordance to BS EN 1492-1
- 7:1 Safety Factor
- Sling types range from Simplex (1 Layer), Duplex (2 Layers), Quadplex (4 Layers) and Endless
- Woven from high tenacity polyester (PES) yarn
- Stripe on the sling denotes Safe Working Load
- Colour coded for easy identification
- Wear sleeves are available to provide additional protection at the load points
- Available with soft eyes or metal end fittings
- Temperature range - 40°C to + 100°C
- Any bespoke length can be ordered
- Custom made solutions for non standard applications
- Light weight
- Cost effective
- Glow slings are produced with reflective yarn - improving safety and efficiency by increasing visibility in low light lifting operations. Available in 3T, 4T, 5T and 8T SWL flat slings
- Over 40 different sizes available for Hire

POLYESTER ROUND SLINGS

Our round slings are our most versatile lifting sling. These are constructed of high tenacity polyester fibres (PES) which are protected by a durable sleeve made of single ply polyester tubing. The nature of our round slings provide superior flexibility and can be configured to irregular loads. These polyester slings have a very low weight-to-strength ratio in comparison to the traditional chain and wire options.



- Manufactured to BS EN 1492-2
- 7:1 Safety Factor
- Printed WLL on sleeve (Up to 10 Tonne)
- Stripe on the sling denotes Safe Working Load
- Colour coded for easy identification
- Superior weave construction ensures long life of product
- Temperature range -40°C to +100°C
- Wear sleeves are available to provide additional protection at the load points
- Slings 12T and over are made with Techlon outer sleeve as standard
- Any bespoke length can be ordered
- Custom made solutions for non standard applications
- Lightweight
- Cost-effective
- Slings made from tougher Techlon outer sleeve are also available from 1T to 120T
- Over 100 different sizes available for Hire

POLYESTER SLINGS

TUSK

SWL (Tonne)	Colour	1 Sling				2 Slings						
		Lifting Factor	Lifting Factor	Lifting Factor	Lifting Factor	Lifting Factor	Lifting Factor	Lifting Factor	Lifting Factor	Lifting Factor	Lifting Factor	Lifting Factor
		1	0.8	2	1.4	1	0.7	0.5	1.4	1	1.12	0.8
		Vertical	Choke	Straight Basket 0° - 7°	Basket 7° - 45°	Basket 45° - 60°	Basket 7° - 45°	Basket 45° - 60°	Straight Incline 7° - 45°	Straight Incline 45° - 60°	Choke Incline 7° - 45°	Choke Incline 45° - 60°



1	Violet	1	0.8	2	1.4	1	0.7	0.5	1.4	1	1.12	0.8
2	Green	2	1.6	4	2.8	2	1.4	1	2.8	2	2.24	1.6
3	Yellow	3	2.4	6	4.2	3	2.1	1.5	4.2	3	3.36	2.4
4	Grey	4	3.2	8	5.6	4	2.8	2	5.6	4	4.48	3.2
5	Red	5	4	10	7	5	3.5	2.5	7	5	5.6	4
6	Brown	6	4.8	12	8.4	6	4.2	3	8.4	6	6.72	4.8
8	Blue	8	6.4	16	11.2	8	5.6	4	11.2	8	8.96	6.4
10	Orange	10	8	20	14	10	7	5	14	10	11.2	8
12	Orange	12	9.6	24	16.8	12	8.4	6	16.8	12	13.44	9.6
15	Orange	15	12	30	21	15	10.5	7.5	21	15	16.8	12
20	Orange	20	16	40	28	20	14	10	28	20	22.4	16
25	Orange	25	20	50	35	25	17.5	12.5	35	25	28	20
30	Orange	30	24	60	42	30	21	15	42	30	33.6	24
40	Orange	40	32	80	56	40	28	20	56	40	44.8	32
50	Orange	50	40	100	70	50	35	25	70	50	56	40
60	Orange	60	48	120	84	60	42	30	84	60	67.2	48
70	Orange	70	56	140	98	70	49	35	98	70	78.4	56
80	Orange	80	64	160	112	80	56	40	112	80	89.6	64
90	Orange	90	72	180	126	90	63	45	126	90	100.8	72
100	Orange	100	80	200	140	100	70	50	140	100	112	80
110	Orange	110	88	220	154	110	77	55	154	110	123.2	88
115	Orange	115	92	230	161	115	80.5	57.5	161	115	128.8	92

DYNEEMA® SLINGS

DYNEEMA® SLINGS

Our Dyneema® round slings are made from an Ultra-High Molecular Weight Polyethylene (UHMWPE). Dyneema® round slings have become an essential lifting tool over the last decade for special and heavy lifting operations. The material has proven itself during this period as a substitute for steel wire ropes and chains in demanding areas.



The world's strongest fibre™. Dyneema® is a super-strong polyethylene fibre that offers maximum strength combined with minimum weight. It is up to 15 times stronger than quality steel and up to 40% stronger than aramid fibres.

- Round Slings up to 180t Safety Factor 7:1
- 10% of the weight of traditional wire rope slings, it even floats on water
- Extremely durable and resistant to moisture, UV light and chemical attack
- Low weight – Low density
- Works in temperatures ranging from -60°C and +70°C
- Exercises precise lifting and good control of the load
- Also available as wear sleeves and corner protection
- Any bespoke length can be ordered

SWL (Tonne)	Colour											
		Lifting Factor	Lifting Factor	Lifting Factor	1 Sling Lifting Factor	Lifting Factor	Lifting Factor	Lifting Factor	Lifting Factor	2 Slings Lifting Factor	Lifting Factor	Lifting Factor
		1	0.8	2	1.4	1	0.7	0.5	1.4	1	1.12	0.8
		Vertical	Choke	Straight Basket 0° - 7°	Basket 7° - 45°	Basket 45° - 60°	Basket 7° - 45°	Basket 45° - 60°	Straight Incline 7° - 45°	Straight Incline 45° - 60°	Choke Incline 7° - 45°	Choke Incline 45° - 60°



10	Orange	10	8	20	14	10	7	5	14	10	11.2	8
12	Orange	12	9.6	24	16.8	12	8.4	6	16.8	12	13.44	9.6
15	Orange	15	12	30	21	15	10.5	7.5	21	15	16.8	12
20	Orange	20	16	40	28	20	14	10	28	20	22.4	16
25	Orange	25	20	50	35	25	17.5	12.5	35	25	28	20
30	Orange	30	24	60	42	30	21	15	42	30	33.6	24
40	Orange	40	32	80	56	40	28	20	56	40	44.8	32
50	Orange	50	40	100	70	50	35	25	70	50	56	40
60	Orange	60	48	120	84	60	42	30	84	60	67.2	48
70	Orange	70	56	140	98	70	49	35	98	70	78.4	56
80	Orange	80	64	160	112	80	56	40	112	80	89.6	64
90	Orange	90	72	180	126	90	63	45	126	90	100.8	72
100	Orange	100	80	200	140	100	70	50	140	100	112	80
120	Orange	120	96	240	168	120	84	60	168	120	134.4	96
140	Orange	140	112	280	196	140	98	70	196	140	156.8	112
160	Orange	160	128	320	224	160	112	80	224	160	179.2	128
180	Orange	180	144	360	252	180	126	90	252	180	201.6	144
200	Orange	200	160	400	280	200	140	100	280	200	224	160

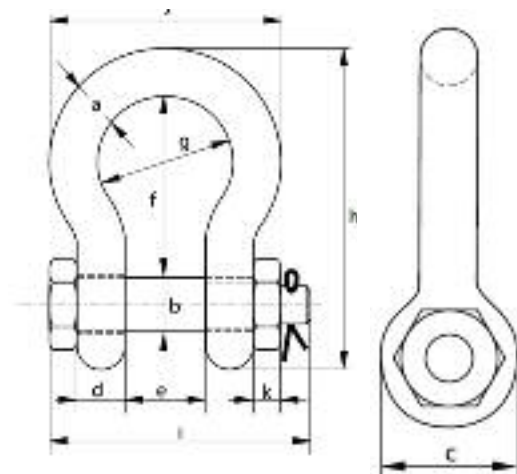
GREEN PIN BOLT TYPE BOW SHACKLE

Bolt type anchor shackles with bolt-nut and cotter pin. Meets the performance requirements of Federal Specification RR-C-271 type IVA class 3

- Bow and pin manufactured from a high tensile steel
- Quenched and tempered
- Hot dip galvanised
- Factor of Safety is 6:1
- Can work within temperatures ranging from -20°C up to +200°C
- Ideal for permanent installations



WLL (Tonne)	Nominal Size A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	I (mm)	J (mm)	K (mm)	Weight (kg)
0.5	7	8	16.5	7	12	29	20	48.5	42	34	4	0.06
0.75	9	10	20	9	13.5	32	22	56	50	40	5	0.11
1	10	11	22.5	10	17	36.5	26	63.5	60	46	8	0.16
1.5	11	13	26.5	11	19	43	29	74	67	51	11	0.22
2	13.5	16	34	13	22	51	32	89	82	58	13	0.42
3.25	16	19	40	16	27	64	43	110	98	75	17	0.74
4.75	19	22	46	19	31	76	51	129	114	89	19	1.18
6.5	22	25	52	22	36	83	58	144	130	102	22	1.77
8.5	25	28	59	25	43	95	68	164	150	118	25	2.58
9.5	28	32	66	28	47	108	75	185	166	131	27	3.66
12	32	35	72	32	51	115	83	201	178	147	30	4.91
13.5	35	38	80	35	57	133	92	227	197	162	33	6.54
17	38	42	88	38	60	146	99	249	202	175	19	8.19
25	45	50	103	45	74	178	126	300	249	216	23	14.22
35	50	57	111	50	83	197	138	331	269	238	26	19.85
42.5	57	65	130	57	95	222	160	377	301	274	29	28.33
55	65	70	145	65	105	260	180	433	330	310	32	39.59
85	75	83	162	73	127	329	190	527	380	340	39	62



SHACKLES

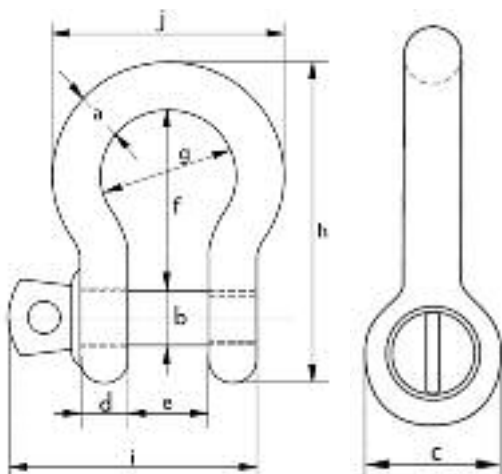
GREEN PIN SCREW PIN BOW SHACKLE

Green Pin type anchor shackles with screw collar pin. Meets the performance requirements of Federal Specification RR-C-271 type IVA class 2

- Bow and pin manufactured from a high tensile steel
- Quenched and tempered
- Hot dip galvanised
- Factor of Safety is 6:1
- Can work within temperatures ranging from -20°C up to +200°C



WLL (Tonne)	Nominal Size A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	I (mm)	J (mm)	Weight (kg)
0.33	5	6	12	5	9.5	22	16	36	29.5	26	0.02
0.5	7	8	16.5	7	12	29	20	48.5	38	34	0.05
0.75	9	10	20	9	13.5	32	22	56	46.5	40	0.1
1	10	11	22.5	10	17	36.5	26	63.5	54	46	0.14
1.5	11	13	26.5	11	19	43	29	74	59.5	51	0.19
2	13.5	16	34	13	22	51	32	89	73	58	0.36
3.25	16	19	40	16	27	64	43	110	89	75	0.63
4.75	19	22	46	19	31	76	51	129	103	89	1.01
6.5	22	25	52	22	36	83	58	144	119	102	1.5
8.5	25	28	59	25	43	95	68	164	137	118	2.21
9.5	28	32	66	28	47	108	75	185	153	131	3.16
12	32	35	72	32	51	115	83	201	170	147	4.31
13.5	35	38	80	35	57	133	92	227	186	162	5.55
17	38	42	88	38	60	146	99	249	203	175	7.43
25	45	50	103	45	74	178	126	300	243	216	12.84
35	50	57	111	50	83	197	138	331	272	238	18.15
42.5	57	65	130	57	95	222	160	377	310	274	26.29
55	65	70	145	65	105	260	180	433	344	310	37.6



GREEN PIN SUPER SHACKLES

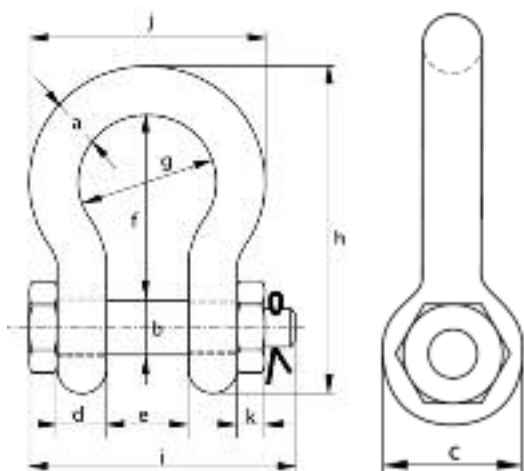
Bolt type anchor shackles with bolt-nut and cotter pin. Meets the performance requirements of Federal Specification RR-C-271 type IVA class 3.

- Bow and pin manufactured from alloy steel
- Quenched and tempered
- Hot dip galvanised (175 Tonne is painted)
- Factor of Safety is 5:1



WLL (Tonne)	Nominal Size A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	I (mm)	J (mm)	K (mm)	Weight (kg)
3.3	13.5	16	34	13	22	51	32	89	82	58	13	0.44
5	16	19	40	16	27	64	43	110	98	75	17	0.79
7	19	22	46	19	31	76	51	129	114	89	19	1.26
9.5	22	25	52	22	36	83	58	144	130	102	22	1.88
12.5	25	28	59	25	43	95	68	164	150	118	25	2.78
15	28	32	66	28	47	108	75	185	166	131	27	3.87
18	32	35	72	32	51	115	83	201	178	147	30	5.26
21	35	38	80	35	57	133	92	227	197	162	33	6.94
30	38	42	88	38	60	146	99	249	202	175	39	8.79
40	45	50	103	45	74	178	126	300	249	216	47	15
55	57	57	117	57	83	197	138	341	286	252	56	22.0
85	70	70	143	70	105	260	180	437	344	320	71	42.0
120	83	83	162	83	127	329	190	535	403	356	86	70.0
150*	95	95	208	91	144	400	238	647	511	428	104	112
175*	105	108	238	102	169	410	275	688	561	485	125	160

* Round headed bolt.



SHACKLES

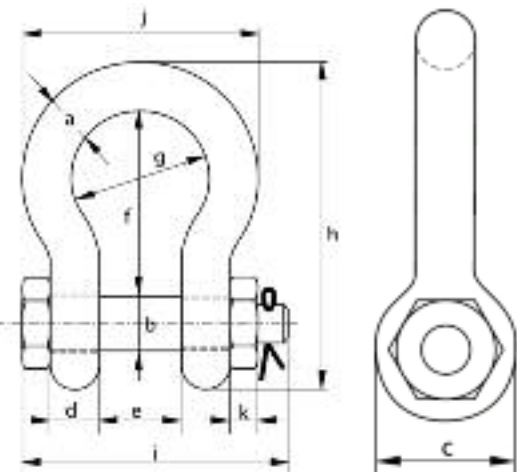
GREEN PIN POLAR SHACKLES

Bolt type anchor shackles with bolt-nut and cotter pin. Designed for use in extreme climatic conditions. Meets the performance requirements of Federal Specification RR-C-271 type IVA class 3.

- Bow and pin manufactured from alloy steel
- Quenched and tempered
- Hot dip galvanised
- Can work within temperatures ranging from -40°C up to +200°C
- Factor of Safety is 8:1 (For shackles above 55 Tonne the Factor of Safety is 6:1)



WLL (Tonne)	Nominal Size A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	I (mm)	J (mm)	K (mm)	Weight (kg)
2	13.5	16	34	13	22	51	32	89	82	58	13	0.42
3.25	16	19	40	16	27	64	43	110	98	75	17	0.74
4.75	19	22	46	19	31	76	51	129	114	89	19	1.18
6.5	22	25	52	22	36	83	58	144	130	102	22	1.77
8.5	25	28	59	25	43	95	68	164	150	118	25	2.58
9.5	28	32	66	28	47	108	75	185	166	131	27	3.66
12	32	35	72	32	51	115	83	201	178	147	30	4.91
13.5	35	38	80	35	57	133	92	227	197	162	33	6.54
17	38	42	88	38	60	146	99	249	202	175	19	8.19
25	45	50	103	45	74	178	126	300	249	216	23	14.22
35	50	57	116	50	83	197	138	334	269	238	26	19.85
42.5	57	65	130	57	95	222	160	377	301	274	29	28.33
55	65	70	145	65	105	260	180	433	330	310	32	39.59
85	75	83	162	73	127	329	190	527	380	340	40	62



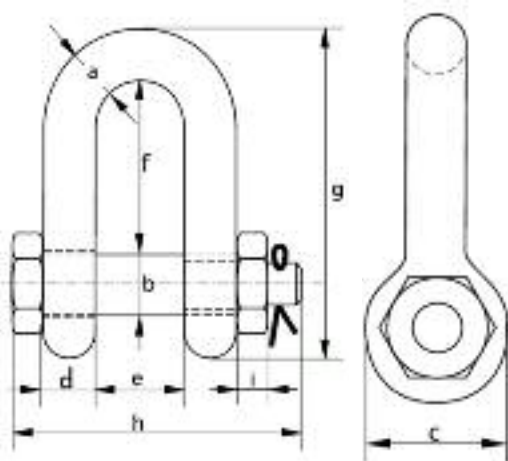
GREEN PIN SAFETY BOLT DEE SHACKLES

Dee shackles for vertical lifting.

- Bow and pin manufactured from high tensile steel
- Quenched and tempered, Grade 6
- Hot dip galvanised
- Covers temperatures ranging from -40 to +200°C



WLL (Tonne)	Nominal Size A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	I (mm)	J (mm)	K (mm)	Weight (kg)
2	13.5	16	34	13	22	43	32	89	82	58	13	0.42
3.25	16	19	40	16	27	51	43	110	98	75	17	0.79
4.75	19	22	46	19	31	59	51	129	114	89	20	1.18
6.5	22	25	52	22	36	73	58	144	130	102	23	1.77
8.5	25	28	59	25	43	85	68	164	150	118	25	2.58
9.5	28	32	66	28	47	90	75	185	166	131	28	3.66
12	32	35	72	32	51	94	83	201	178	147	31	4.91
13.5	35	38	80	35	57	115	92	227	197	162	34	6.54
17	38	42	88	38	60	127	99	249	202	175	19	8.19
25	45	50	103	45	74	149	126	300	249	216	24	14.22
35	50	57	116	50	83	171	138	334	269	238	27	19.85
42.5	57	65	130	57	95	190	160	377	301	274	30	28.33
55	65	70	145	65	105	203	180	433	330	310	33	39.59
85	75	83	162	73	127	229	190	527	380	340	40	62



SHACKLES

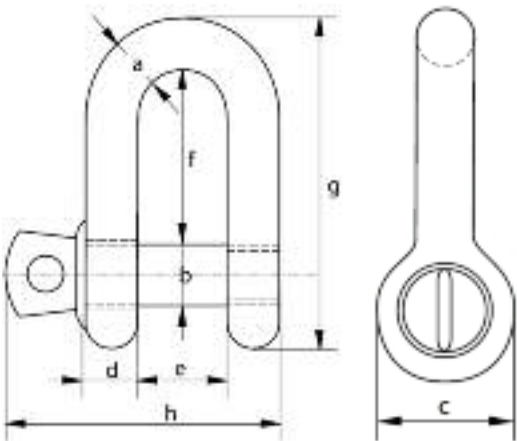
GREEN PIN SCREW PIN DEE SHACKLES

Dee Shackles for vertical lifting.

- Bow and pin manufactured from high tensile steel
- Quenched and tempered, Grade 6
- Hot dip galvanised
- Covers temperatures ranging from -20 to +200°C



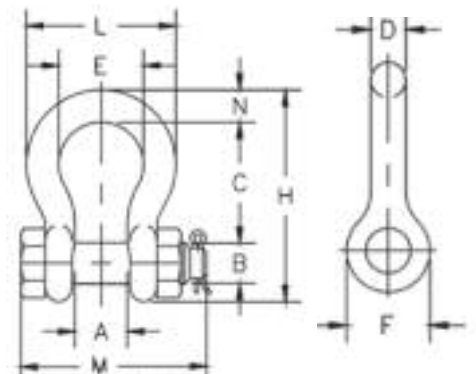
WLL (Tonne)	Nominal Size A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	I (mm)	J (mm)	Weight (kg)
0.33	5	6	12	5	9.5	22	16	36	29.5	26	0.02
0.50	7	8	16.5	7	12	29	20	48.5	38	34	0.05
0.75	9	10	20	9	13.5	32	22	56	46.5	40	0.09
1.00	10	11	22.5	10	17	36.5	26	63.5	54	46	0.14
1.50	11	13	26.5	11	19	43	29	74	59.5	51	0.19
2.00	13.5	16	34	13	22	51	32	89	73	58	0.36
3.25	16	19	40	16	27	64	43	110	89	75	0.63
4.75	19	22	46	19	31	76	51	129	103	89	1.01
6.50	22	25	52	22	36	83	58	144	119	102	1.5
8.50	25	28	59	25	43	95	68	164	137	118	2.21
9.50	28	32	66	28	47	108	75	185	153	131	3.16
12.00	32	35	72	32	51	115	83	201	170	147	4.31
13.50	35	38	80	35	57	133	92	227	186	162	5.55
17.00	38	42	88	38	60	146	99	249	203	175	7.43
25.00	45	50	103	45	74	178	126	300	243	216	12.84
35.00	50	57	111	50	83	197	138	331	272	238	18.15
42.50	57	65	130	57	95	222	160	377	310	274	26.29
55.00	65	70	145	65	105	260	180	433	344	310	37.6



CROSBY BOLT TYPE SHACKLES G2130

Bolt type anchor shackles with thin head bolt-nut with cotter pin. Meets the performance requirements of Federal Specification RR-C-271D Type IVA.

- Capacities 330KGS to 150 Tonne
- Working load limit permanently shown on every shackle
- Forged – Quenched and Tempered, with alloy pins
- Fatigue rated
- Shackles for 85 metric Tonne and larger can be provided as follows:
 - Non destructive tested
 - Specialised pin and bow
 - Material certification (chemical) must be requested at time of order
- Maximum proof load is 2.0 times the Working Load Limit
- Minimum Ultimate Strength is 6 times the Working Load Limit
- 3.1 Certification as standard available for charpy and statistical proof test from 3.25t up to 25 tons to DNV2.7-1 and EN13889.
- Crosby 3.25t through 25t G2130OC anchor shackles are type approved to DNV Certification Notes 2.7-1- Offshore Containers. These Crosby shackles are statistical proof and impact tested to 42 Joules (31 ft•lbf) min. avg. at -20° C (-4° F). The tests are conducted by Crosby and 3.1 test certification is available upon request.



WLL (Tonne)	Weight (kg)	Dimensions (mm)										Tolerance +/- C A	
		A	B	C	D	E	F	H	L	M	N		
0.33 ‡	0.03	9.65	6.35	22.4	4.85	15.2	14.2	37.3	24.9	32.8	4.85	1.50	1.50
0.5	0.05	11.9	7.85	28.7	6.35	19.8	15.5	46.7	32.5	39.6	6.35	1.50	1.50
0.75	0.10	13.5	9.65	31.0	7.85	21.3	19.1	53.0	37.3	46.2	7.85	3.30	1.50
1	0.15	16.8	11.2	36.6	9.65	26.2	23.1	63.0	45.2	55.1	9.65	3.30	1.50
1.5	0.22	19.1	12.7	42.9	11.2	29.5	26.9	74.0	51.5	63.8	11.2	3.30	1.50
2	0.36	20.6	16.0	47.8	12.7	33.3	30.2	83.5	58.5	71.1	12.7	3.30	1.50
3.25	0.62	26.9	19.1	60.5	16.0	42.9	38.1	106	74.5	90.4	17.5	6.35	1.50
4.75	1.23	31.8	22.4	71.5	19.1	51.0	46.0	126	89.0	105	20.6	6.35	1.50
6.5	1.79	36.6	25.4	84.0	22.4	58.0	53.0	148	102	122	24.6	6.35	1.50
8.5	2.28	42.9	28.7	95.5	25.4	68.5	60.5	167	119	137	26.9	6.35	1.50
9.5	3.75	46.0	31.8	108	28.7	74.0	68.5	190	131	150	31.8	6.35	1.50
12	5.31	51.5	35.1	119	31.8	82.5	76.0	210	146	170	35.1	6.35	1.50
13.5	7.18	57.0	38.1	133	35.1	92.0	84.0	233	162	183	38.1	6.35	3.30
17	8.62	60.5	41.4	146	38.1	98.5	92.0	254	175	196	41.1	6.35	3.30
25	15.4	73.0	51.0	178	44.5	127	106	313	225	246	57.0	6.35	3.30
35	23.7	82.5	57.0	197	51.0	146	122	348	253	275	61.0	6.35	3.30
55	44.6	105	70.0	267	66.5	184	145	453	327	345	79.5	6.35	6.35
† 85	70	127	82.5	330	76.0	200	165	546	365	384	92.0	6.35	6.35
† 120 ‡	120	133	95.5	372	92.0	229	203	626	419	432	105	6.35	6.35
† 150 ‡	153	140	108	368	104	254	229	653	468	451	116	6.35	6.35

† Individually Proof Tested with Certification

‡ furnished Anchor style only and furnished with Round Head Bolts and welded handles

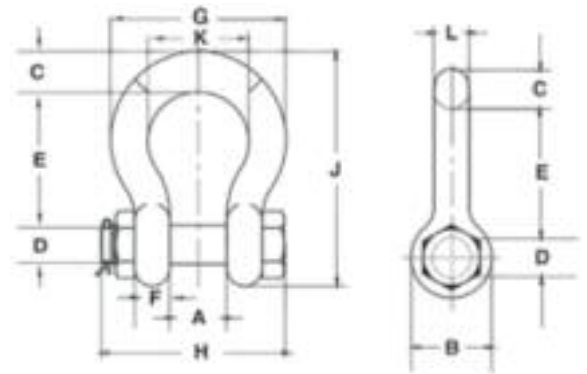
CROSBY ALLOY BOLT TYPE SHACKLES G2140

- All sizes Quenched and Tempered for maximum strength
- Alloy bows, alloy bolts
- Forged alloy steel from 2 Tonne through to 200 metric Tonne
- Cast alloy steel from 250 Tonne through to 400 metric Tonne
- All sizes are individually proof tested to 2 times the Working Load Limit
- Approved for use at -40°C (-40°F) to 204°C (400°F)
- All ratings are in metric Tonne, embossed on side of bow
- 30 Tonne – 175 Tonne Proof Load is 2 times the Working Load Limit.



- Ultimate Load is 5.4 times the working Load Limit
- 200 Tonne - 400 Tonne Proof Load is 2 times the Working Load Limit.
- Ultimate Load is 4 times the Working Load Limit

- Shackles 200 Tonne and larger can be provided as follows:
 - Serialised pin and bow
 - Magnetic particle inspected
 - Material certification (chemical) must be requested at time of order



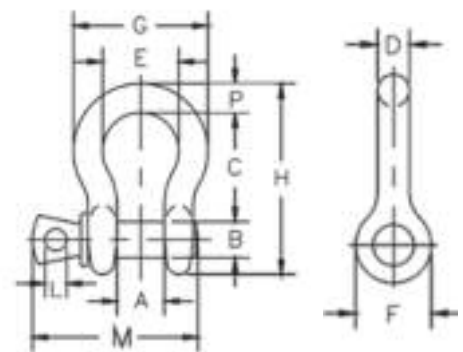
WLL (Tonne)	Weight (kg)	Dimensions (mm)											Tolerance +/-	
		A	B	C	D +/- 0.5	E	F	G	H	J	K	L	A	E
2	0.15	16.8	23.1	9.7	11.2	36.6	9.7	45.2	55.1	63.2	26.2	9.7	1.5	3.3
2.66	0.22	19.1	26.9	11.2	12.7	42.9	10.4	51.6	63.8	73.9	29.5	11.2	1.5	3.3
3.33	0.36	20.6	30.2	12.7	16.3	47.8	11.7	58.7	71.1	83.3	33.3	12.7	1.5	3.3
5	0.76	26.9	38.1	17.5	19.6	60.5	14.7	74.7	90.4	106.4	42.9	16	1.5	3.3
7	1.23	31.8	46	20.6	22.6	71.4	17.5	88.9	105.4	126.2	50.8	19.1	1.5	6.4
9.5	1.79	36.6	53.1	24.6	25.9	84.1	20.6	102.4	122.4	148.1	57.9	22.4	1.5	6.4
12.5	2.57	42.9	60.5	26.9	29.2	95.3	23.4	119.1	136.9	166.6	68.3	25.4	1.5	6.4
15	3.75	46	68.3	31.8	31.8	108	26.4	131.1	149.9	189.7	73.9	28.7	1.5	6.4
18	5.31	51.6	76.2	35.1	35.6	119.1	29.5	146.1	169.9	209.6	82.6	32.8	1.5	6.4
21	7.18	57.2	84.1	38.1	38.9	133.4	32.5	162.1	183.1	232.7	92.2	36.1	3.3	6.4
30	8.52	60.5	91.9	41.1	41.4	146	35.3	175	196	254	98.6	38.9	3.3	6.4
40	15.4	73.2	106	57.2	50.8	178	44.5	224	237	313	127	46.7	3.3	6.4
55	23.6	82.6	122	61	57.2	197	50.8	258	264	347	146	52.8	3.3	6.4
85	43.5	105	148	79.2	69.9	267	66.5	324	345	455	184	68.8	6.4	6.4
120	81	127	165	92.2	82.6	330	76.2	371	384	546	200	79.2	6.4	6.4
† 150	120	133	203	111	95.3	372	95.3	432	448	632	229	91.9	6.4	6.4
† 175	153	140	229	116	108	368	102	457	517	652	254	102	6.4	6.4
† 200	209	184	267	127	121	386	116	529	611	706	279	121	6.35	6.35
† 250	276	216	305	143	127	470	123	600	632	828	330	127	4	1.8
† 300	362	213	330	154	152	475	124	629	666	871	330	149	4	1.8
† 400	500	210	356	184	178	572	165	660	728	1022	330	152	6.4	6.4

† Furnished with Round Head Bolts with an eyebolt for handling

CROSBY SCREW PIN SHACKLES G209

Screw pin anchor shackles meet the performance requirements of Federal Specification RR-C-271D, Type IVB.

- Capacities 250KGS – 55 Tonne
- Forged – Quenched and Tempered, with alloy pins
- Working Load Limit permanently shown on every shackle
- Fatigue rated
- Shackles are quenched and tempered and can meet DNV impact requirements of 42 joules at -20°C
- Maximum Proof Load is 2.0 times the Working Load Limit
- Ultimate Strength is 6 times the Working Load Limit

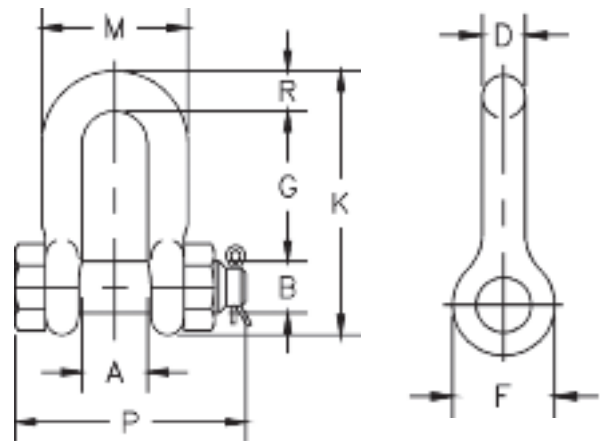


WLL (Tonne)	Weight (kg)	Dimensions (mm)											Tolerance +/- C A	
		A	B	C	D	E	F	G	H	L	M	P		
0.33	0.03	9.65	6.35	22.4	4.85	15.2	14.2	24.9	37.3	4.06	28.4	4.85	1.50	1.50
0.5	0.05	11.9	7.85	28.7	6.35	19.8	15.5	32.5	46.7	4.85	35.1	6.35	1.50	1.50
0.75	0.09	13.5	9.65	31.0	7.85	21.3	19.1	37.3	53.0	5.60	42.2	7.85	3.30	1.50
1	0.14	16.8	11.2	36.6	9.65	26.2	23.1	45.2	63.0	6.35	51.5	9.65	3.30	1.50
1.5	0.17	19.1	12.7	42.9	11.2	29.5	26.9	51.5	74.0	7.85	60.5	11.2	3.30	1.50
2	0.33	20.6	16.0	47.8	12.7	33.3	30.2	58.5	83.5	9.65	68.5	12.7	3.30	1.50
3.25	0.62	26.9	19.1	60.5	16.0	42.9	38.1	74.5	106	11.2	85.0	17.5	6.35	1.50
4.75	1.07	31.8	22.4	71.5	19.1	51.0	46.0	89.0	126	12.7	101	20.6	6.35	1.50
6.5	1.64	36.6	25.4	84.0	22.4	58.0	53.0	102	148	12.7	114	24.6	6.35	1.50
8.5	2.28	42.9	28.7	95.5	25.4	68.5	60.5	119	167	14.2	129	26.9	6.35	1.50
9.5	3.36	46.0	31.8	108	29.5	74.0	68.5	131	190	16.0	142	31.8	6.35	1.50
12	4.31	51.5	35.1	119	32.8	82.5	76.0	146	210	17.5	156	35.1	6.35	1.50
13.5	6.14	57.0	38.1	133	36.1	92.0	84.0	162	233	19.1	174	38.1	6.35	3.30
17	7.80	60.5	41.4	146	39.1	98.5	92.0	175	254	20.6	187	41.1	6.35	3.30
25	12.6	73.0	51.0	178	46.7	127	106	225	313	25.4	231	57.0	6.35	3.30
35	20.4	82.5	57.0	197	53.0	146	122	253	348	31.0	263	61.0	6.35	3.30
55	38.9	105	70.0	267	69.0	184	145	327	453	35.1	330	79.5	6.35	6.35

CROSBY SAFETY PIN DEE SHACKLES G2150

Safety pin chain shackles with thin head bolt-nut with cotter pin.
Meets the performance requirements of Federal Specification
RR-C-271D Type IVA.

- Capacities 250KGS to 150 Tonne
- Working load limit permanently shown on every shackle
- Forged – Quenched and Tempered, with alloy pins
- Fatigue rated
- Shackles for 85 metric Tonne and larger can be provided as follows:
 - Non destructive tested
 - Specialised pin and bow
 - Material certification (chemical) must be requested at time of order
- Maximum proof load is 2.0 times the Working Load Limit
- Minimum Ultimate Strength is 6 times the Working Load Limit



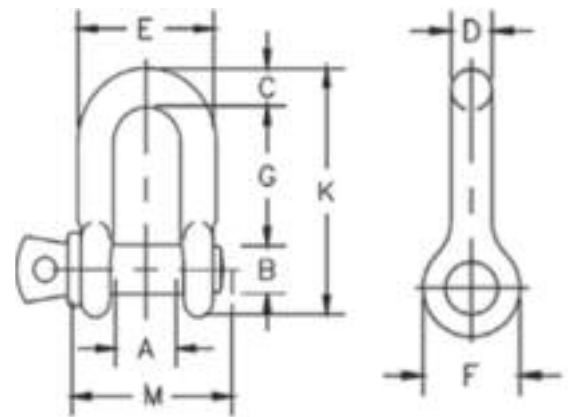
WLL (Tonne)	Weight (kg)	Dimensions (mm)									Tolerance +/-	
		A	B	D	F	G	K	M	P	R	G	A
0.5	0.06	11.9	7.85	6.35	15.5	19.1	40.4	24.6	39.6	6.35	1.50	1.50
0.75	0.10	13.5	9.65	7.85	19.1	25.4	48.5	29.5	46.2	7.85	1.50	1.50
1	0.15	16.8	11.2	9.65	23.1	31.0	58.5	35.8	55.0	9.65	3.30	1.50
1.5	0.22	19.1	12.7	11.2	26.9	36.1	67.5	41.1	63.5	11.2	3.30	1.50
2	0.34	20.6	16.0	12.7	30.2	41.4	77.0	46.0	71.0	12.7	3.30	1.50
3.25	0.67	26.9	19.1	16.0	38.1	51.0	95.5	58.5	89.5	16.0	3.30	1.50
4.75	1.14	31.8	22.4	19.1	46.0	60.5	115	70.0	103	20.6	6.35	1.50
6.5	1.74	36.6	25.4	22.4	53.0	71.5	135	81.0	120	24.6	6.35	1.50
8.5	2.52	42.9	28.7	25.4	60.5	81.0	151	93.5	135	25.4	6.35	1.50
9.5	3.45	46.0	31.8	28.7	68.5	91.0	172	103	150	31.8	6.35	1.50
12	4.90	51.5	35.1	31.8	76.0	100	191	115	165	35.1	6.35	1.50
13.5	6.24	57.0	38.1	35.1	84.0	111	210	127	183	38.1	6.35	3.30
17	8.39	60.5	41.4	38.1	92.0	122	230	137	196	41.1	6.35	3.30
25	14.2	73.0	51.0	44.5	106	146	279	162	230	54.0	6.35	3.30
35	21.2	82.5	57.0	51.0	122	172	312	184	264	60.0	6.35	3.30
55	38.6	105	70.0	66.5	145	203	377	238	344	66.5	6.35	6.35
† 85	56	127	82.5	76.0	165	216	429	279	419	89.0	6.35	6.35

† Individually Proof Tested with Certification

CROSBY SCREW PIN DEE SHACKLES G210

Screw pin chain shackles meet the performance requirements of Federal Specification RR-C-271D, Type IVB.

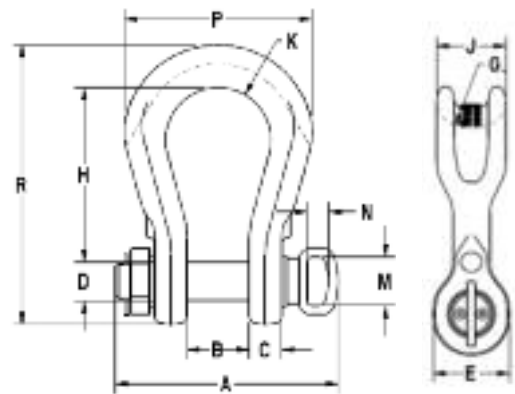
- Capacities 250KGS – 55 Tonne
- Forged – Quenched and Tempered, with alloy pins
- Working Load Limit permanently shown on every shackle
- Fatigue rated
- Shackles are quenched and tempered and can meet DNV impact requirements of 42 joules at -20°C
- Maximum Proof Load is 2.0 times the Working Load Limit
- Ultimate Strength is 6 times the Working Load Limit



WLL (Tonne)	Weight (kg)	Dimensions (mm)										Tolerance +/-	
		A	B	C	D	E	F	G	K	L	M	G	A
0.5	0.05	11.9	7.85	6.35	6.35	24.6	15.5	22.4	40.4	4.85	35.1	1.50	1.50
0.75	0.08	13.5	9.65	7.85	7.85	29.5	19.1	26.2	48.5	5.60	42.2	1.50	1.50
1	0.13	16.8	11.2	9.65	9.65	35.8	23.1	31.8	58.5	6.35	51.5	3.30	1.50
1.5	0.20	19.1	12.7	11.2	11.2	41.4	26.9	36.6	67.5	7.85	60.5	3.30	1.50
2	0.27	20.6	16.0	12.7	12.7	46.0	30.2	41.4	77.0	9.65	68.5	3.30	1.50
3.35	0.57	26.9	19.1	15.7	16.0	58.5	38.1	51.0	95.5	11.2	85.0	3.30	1.50
4.75	1.20	31.8	22.4	20.6	19.1	70.0	46.0	60.5	115	12.7	101	6.35	1.50
6.5	1.43	36.6	25.4	24.6	22.4	81.0	53.0	71.5	135	12.7	114	6.35	1.50
8.5	2.15	42.9	28.7	25.4	25.4	93.5	60.5	81.0	151	14.2	129	6.35	1.50
9.5	3.06	46.0	31.8	31.8	28.7	103	68.5	91.0	172	16.0	142	6.35	1.50
12	4.11	51.5	35.1	35.1	31.8	115	76.0	100	191	17.5	156	6.35	3.30
13.5	5.28	57.0	38.1	38.1	35.1	127	84.0	111	210	19.1	174	6.35	3.30
17	7.23	60.5	41.4	41.1	38.1	137	92.0	122	230	20.6	187	6.35	3.30
25	12.1	73.0	51.0	54.0	44.5	162	106	146	279	25.4	231	6.35	3.30
35	19.2	82.5	57.0	60.0	51.0	184	122	172	312	31.0	263	6.35	3.30
55	32.5	105	70.0	66.5	66.5	238	145	203	377	35.1	330	6.35	6.35

CROSBY WIDE BODY SHACKLES G2160

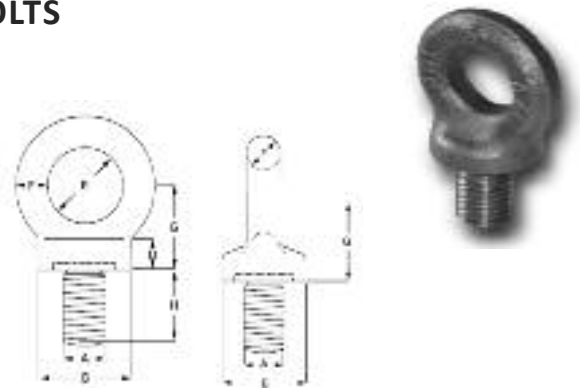
- All sizes Quenched and Tempered for maximum strength
- Forged alloy steel from 7 Tonne through to 300 metric Tonne
- Cast alloy steel from 400 Tonne through to 1550 metric Tonne
- Sizes 300 metric Tonne and smaller are proof tested to 2 times the Working Load Limit
- Sizes 400 metric Tonne and larger are tested to 1.33 times Working Load Limit
- All ratings are in metric Tonne, embossed on side of bow
- Greatly improves life of Wire Rope Slings
- Can be used to connect HIGH STRENGTH synthetic Web Slings, HIGH Strength Synthetic Round Slings or Wire Rope Slings
- Increase in shackle bow radius provides minimum 58% gain in sling bearing surface and eliminates the need for a thimble
- Increases usable sling strength minimum of 15%
- 7 Tonne – 300 Tonne Proof Load is 2 times the Working Load Limit. Ultimate Load is 5 times the working Load Limit
- 400 Tonne - 550 Tonne Proof Load is 1.33 times the Working Load Limit. Ultimate Load is 4.5 times the Working Load Limit



WLL (Tonne)	Weight (kg)	A	B +/- 6.35	C	D +/- 0.5	E	Dimensions (mm)				M	N	P	R	Effective Body Dia
							G	H	J	K					
7	1.81	105	31.8	17.5	22.4	46.2	31.8	90.4	40.6	31.8	—	—	104	149	53.3
12.5	4.54	137	42.9	23.4	28.7	60.5	34.8	118	54.1	41.4	—	—	140	194	61
18	6.80	170	51.6	29.5	35.1	68.3	38.1	148	63.5	50.8	—	—	172	238	71.1
30	11.34	195	60.2	35.1	41.4	88.9	63.5	176	79.5	63.5	—	—	216	289	104
40	20.9	236	73.2	42.9	50.8	102	44.4	205	95.3	76.2	—	—	270	346	91.4
55	32.21	263	82.6	50.8	57.2	118	66.8	238	114	88.9	—	—	311	397	109
75	51	382	105	53.8	69.9	136	95.3	293	127	92.5	102	45.7	312	474	160
125	87	450	130	67.6	80.0	165	95.3	365	150	110	102	45.7	393	584	173
200	191	491	150	74.7	105	214	133	480	217	138	102	45.7	520	773	241
300	365	574	187	97.5	133	267	156	600	264	160	102	45.7	610	957	290
400	518	772	220	131	160	320	203	575	320	185	102	45.7	690	985	363
500	653	849	250	146	180	340	205	630	340	225	102	45.7	790	1085	376
600	967	916	275	158	200	394	330	700	370	247	146	57.2	865	1200	516
700	1170	990	300	167	215	433	223	735	400	270	146	57.2	940	1275	422
800	1372	1059	325	185	230	449	248	750	420	277	146	57.2	975	1323	457
900	1712	1112	350	198	250	478	330	757	440	293	146	57.2	1025	1387	569
1000	1850	1169	380	212	270	508	261	760	460	308	146	57.2	1075	1405	490
1250	2588	1278	432	233	300	573	354	930	530	323	—	—	1175	1660	620
1550	3650	1588	465	282	320	616	318	1075	580	338	—	—	1316	1896	693

SELF-COLOUR DROP FORGED COLLARED EYE BOLTS (METRIC THREAD)

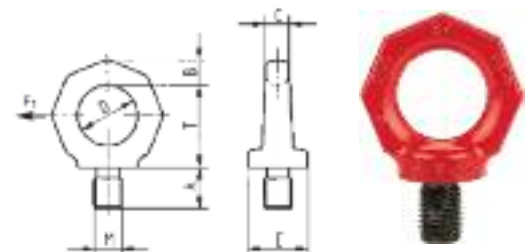
- Proof Load Tested
- With sizes ranging from M6 - M36
- SWL ranging from 0.1 Tonne - 6.3 Tonne
- Also available in UNC and Whitworth
- Long shank available
- Dynamo Eye Bolts also available



Vertical SWL (Tonne)	Thread Diameter A (mm)	B (mm)	D (mm)	E (mm)	F (mm)	G (mm)	Thread Length H (mm)	Weight (kg)
0.10	6	22	7	15	9	20	18	0.06
0.15	8	22	7	15	9	20	19.5	0.06
0.33	10	22	7	15	9	20	19.5	0.06
0.40	12	22	7	15	9	20	19.5	0.06
0.50	14	29	10	20	12	26	23	0.15
0.80	16	29	10	20	12	26	24.5	0.15
1.20	18	40	14	27	16	36	29.5	0.27
1.60	20	40	14	27	16	36	33.5	0.3
1.60	22	52	17	35	21	46	41.5	0.54
2.50	24	52	17	35	21	46	41.5	0.85
2.50	27	58	20	39	23	51.5	46	1.13
4.00	30	65	22	44	26	58	51	1.62
4.00	33	72	24	48	29	64	56	2.37
6.30	36	81	27	54	32	72	63	3.12

RUD EYE BOLTS

- With sizes ranging from M6 - M48
- SWL ranging from 0.1 Tonne - 8 Tonne
- Also available in imperial and special threads

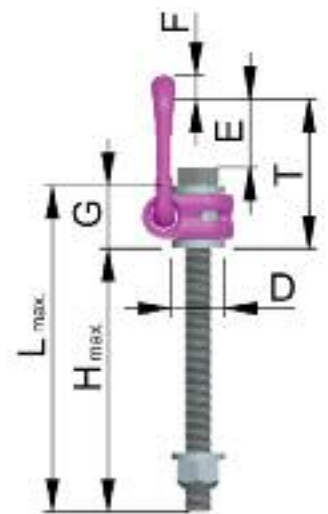
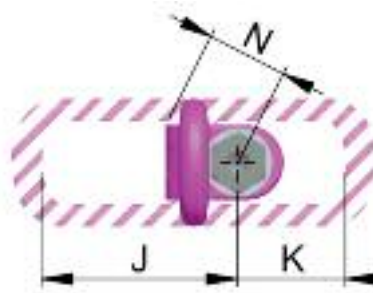
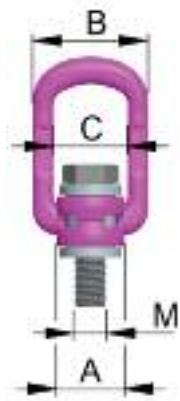


Type	WLL (Tonne)	Dimensions (mm)							Weight (kg)
		A	B	C	D	E	F	T	
RS - M 16	1	24	15	14	35	35	16	48	0.3
RS - M 20	1.5	30	17	16	40	40	20	55	0.45
RS - M 24	2	36	21	20	50	50	24	70	0.7
RS - M 30	3	45	26	24	60	60	30	85	1.6
RS - M 36	4	54	43	38	90	100	36	130	6.0

RUD LOAD RINGS

RUD VLBG-PLUS LOAD RING (PINKIES)

- 4:1 Safety factor
- Quick and easy installation
- Capacity range 0.63t to 20t
- Thread range M8 to M48
- All RUD bolts are 100% crack detected
- Optimum WLL with captive but exchangeable ICE-Bolt
- Bracket adjustable in force direction
- The VLBG load ring can swivel through 360°
- Comprehensive range of threads
- Tusk offer a full range of RUD products
- For technical spec, please call the office



Size	SWL (Tonne)	Weight (Kgs)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H Stand (mm)	H Max (mm)	J (mm)	K (mm)	L Stand (mm)	L Max (mm)	M	N (mm)	SW	ISK	T (mm)	Torque (Nm)
M8	0.63	0.3	30	52	34	24	40	10	29	11	76	75	45	40	105	8	32	13	5	75	30
M10	0.9	0.31	30	52	34	24	39	10	29	15	96	75	45	44	125	10	32	17	6	75	60
M12	1.35	0.34	32	52	34	26	38	10	29	18	116	75	45	47	145	12	32	19	8	75	150
M14 [†]	1.2	0.52	33	56	36	30	39	13.5	36	21	34	86	47	57	70	16	38	24	10	85	120
M16	2	0.55	34.5	56	38	30	39	13.5	36	22	149	86	47	58	185	16	38	24	10	85	150
M18 [†]	2	1.3	50	82	54	45	55	16.5	43	27	47	113	64	70	90	18	48	30	12	110	200
M20	3.5	1.3	50	82	54	45	55	17	43	32	187	113	64	75	230	20	48	30	12	110	400
M22 [†]	2.5	1.31	50	82	54	45	54	16.5	43	-	57	113	64	-	100	22	48	30	-	110	250
M24	4.5	1.4	50	82	54	45	67	17	43	37	222	130	78	80	265	24	48	36	14	125	760
M27 [†]	4	3.1	60	103	65	60	69	22.5	61	39	239	151	80	100	300	27	67	41	17	147	400
M30	6.7	3.2	60	103	65	60	67	22.5	61	49	279	151	80	110	340	30	67	46	17	147	1000
M36 [†]	7	3.4	60	103	65	60	74	22.5	55	52	-	151	80	107	-	36	67	55	-	146	700
M36	8	6.2	77	122	82	70	97	26.5	77	63	223	205	113	140	300	36	79	55	22	196	800
M42	10	6.7	77	122	82	70	94	26.5	77	73	273	205	113	150	350	42	79	65	24	196	1000
M42	15	10.9	95	156	100	85	109	36	87	63	413	230	130	150	500	42	100	65	24*	222	1500
M48	20	11.6	95	156	100	95	105	36	87	73	303	230	130	160	350	48	100	75	27	222	2000

SW = Wrench Size | ISK = Internal Hexagon.

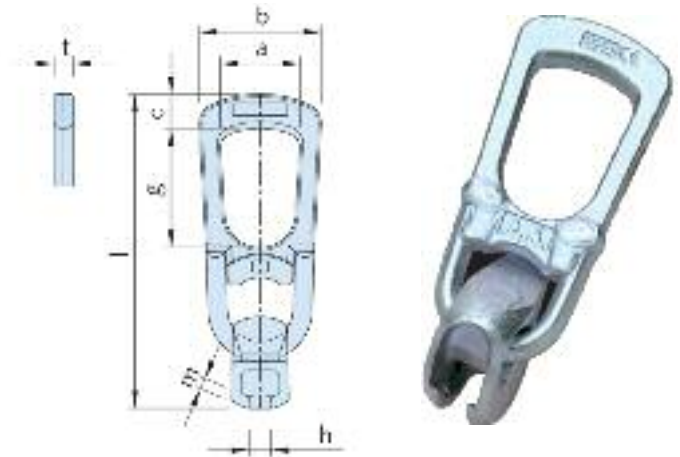
[†]VLBG Type

DEHA RINGS

The DEHA lifting ring provides an economical and safe method of lifting, turning and installing precast concrete elements.

The DEHA lifting system is a rapid safety lift system that is quick release, easy to use and versatile.

The DEHA universal head lifting link is an attachment link for lifting and transporting precast concrete units in combination with the spherical head anchor.



SWL (Tonne)	Dimensions (mm)								Weight (kg)
	A	B	C	G	H	T	L	M	
1.3	47	75	20	71	11	12	188	7.0	0.9
2.5	59	91	25	86	16	14	230	8.5	1.4
4 & 5	70	118	37	88	21	16	283	10.0	3.4
7.5 & 10	88	160	50	115	30	25	401	14.0	9.1
15 & 20	106	180	75	135	41	30	506	21.0	21
32	172	272	100	189	52	40	680	28.5	47
45	179	349	100	192	52	40	676	28.5	59

FRIMEDA RINGS

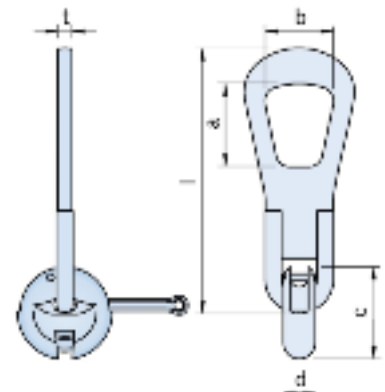
FRIMEDA offers a proven, safe, robust and economical system for the transport and installation of prefabricated concrete components.

The system is easy to use, and with the large range of anchors available, it can be adapted for almost all transport and lifting applications.

The FRIMEDA ring clutch consists of a shackle and a clutch head. A locking bolt is incorporated into the clutch head; this bolt fastens to the anchor. The shackle is free to move in any direction.



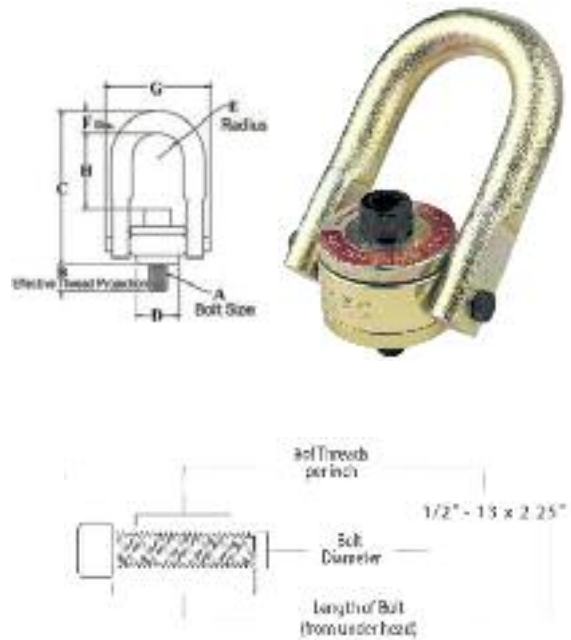
SWL (Tonne)	Dimensions (mm)					
	L	A	B	C	D	T
2.5	265	50	50	70	70	12
5.0	330	71	71	86	86	16
10.0	425	90	90	112	112	25
26.0	605	120	120	160	160	30



SWIVEL HOIST RINGS

HR125 CROSBY SWIVEL HOIST RING

- Top washer has the following features:
 - The Working Load Limit and Recommended Torque value are permanently stamped into each washer.
 - Washer is color coded for easy identification: Red - UNC thread, Silver - Metric thread.
- Individually Proof Tested to 2-1/2 times Working Load Limit.
- UNC Bolt specification is an Alloy socket head cap screw to ASTM A 574.
- Metric Bolt specification is a Grade 12.9 Alloy socket head cap screw to Din 912.
- **BOLT SIZE IDENTIFICATION:** The size of the bolt will be stated as in the drawing above. Illustration shows meaning of each dimension given.
- Frame 2 and larger are **RFID EQUIPPED**.

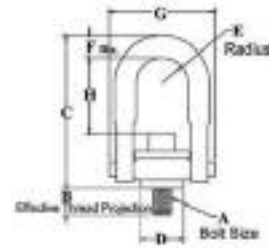
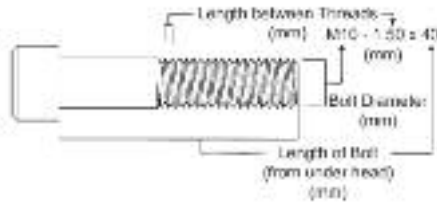


Frame Size (mm)	WLL (Kg)	Torque (Nm)	Bolt Size A	Dimensions (mm)							Weight (kg)
				B	C	D	E	F	G	H	
1 †	363	10	5/16-18x1.50	14.7	69.1	24.6	11.7	8.60	47.5	28.4	0.17
1 †	454	16	3/8-16x1.50	14.7	69.1	24.6	11.7	8.60	47.5	26.7	0.18
2	1134	38	1/2-13x2.00	17.8	123	49.8	22.1	19.0	85.1	58.2	1.06
2 †	1134	38	1/2-13x2.50	30.5	123	49.8	22.1	19.0	85.1	58.2	1.07
2	1814	81	5/8-11x2.00	17.8	123	49.8	22.1	19.0	85.1	54.9	1.09
2 †	1814	81	5/8-11x2.75	36.8	123	49.8	22.1	19.0	85.1	54.9	1.12
2	2268	136	3/4-10x2.25	24.1	123	49.8	22.1	19.0	85.1	51.8	1.14
2 †	2268	136	3/4-10x2.75	36.8	123	49.8	22.1	19.0	85.1	51.8	1.17
3	3175	136	3/4-10x2.75	22.6	167	75.2	34.5	23.9	124	75.4	3.05
3 †	3175	136	3/4-10x3.50	41.7	167	75.2	34.5	23.9	124	75.4	3.09
3	3629	217	7/8-9x2.75	22.6	167	75.2	34.5	23.9	124	72.1	3.10
3 †	3629	217	7/8-9x3.50	41.7	167	75.2	34.5	23.9	124	72.1	3.16
3	4536	312	1-8x3.00	29.0	167	75.2	34.5	23.9	124	69.1	3.22
3 †	4536	312	1-8x4.00	54.4	167	75.2	34.5	23.9	124	69.1	3.32
4	6804	637	1-1/4-7x4.50	56.1	221	94.2	44.5	30.2	157	99.8	6.58
5	10890	1085	1-1/2-6x6.75	3.0	315	120	60.7	44.5	215	143	17.1
5	13610	1491	2-4-1/2x6.50	3.0	315	120	60.7	44.5	215	131	18.5
6	22680	2847	2-1/2-4x8.0	102	429	146	76.2	57.2	279	204	39.9
7	34020	5830	3-4x10.5	127	495	184	95.3	69.9	360	216	75.3
8	45360	6915	3-1/2-4x13.0 #	178	561	197	102	82.6	404	236	120

Hex head bolt used on Frame 8 (100,000lb.) Hoist Ring.

† Long Bolts are designed to be used with soft metal (i.e., aluminium) workpiece. While the long bolts may also be used with ferrous metal (i.e., steel & iron) workpiece, short bolts are designed for ferrous workpieces only.

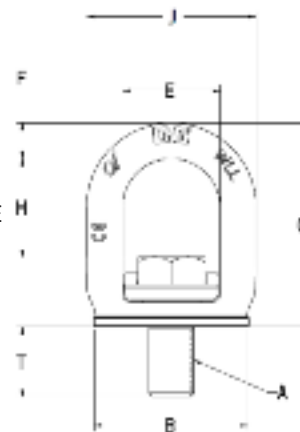
HR125 CROSBY SWIVEL HOIST RING, CONTINUED



Frame Size (mm)	WLL 5:1 (Kg)	WLL 4:1 (Kg)	Torque (Nm)	Bolt Size A	B	C	D	E	F	G	H	Weight (kg)
1	400	500	10	M8X1.25X40	16.9	69.9	24.6	11.8	8.5	47.5	29.9	0.17
1	450	550	16	M10X1.50X40	16.9	69.9	24.6	11.8	8.5	47.5	28.1	0.18
2	1050	1300	38	M12X1.75X50	16.9	123	49.8	22.3	17.5	85.1	60.4	1.05
2	1900	2400	81	M16X2.00X60	26.9	123	49.8	22.3	17.5	85.1	56.3	1.11
2	2150	2700	136	M20X2.50X65	31.9	123	49.8	22.3	17.5	85.1	52.3	1.17
3	3000	3750	136	M20X2.50X75	27.8	167	75.2	34.7	25.4	124	76.6	3.09
3	4200	5250	312	M24X3.00X80	32.8	167	75.2	34.7	25.4	124	70.5	3.21
4	7000	8750	637	M30X3.50X120	61.7	222	94.2	44.5	30.5	157	102	6.53
5	11000	13750	1005	M36X4.00X150	54.0	318	120	60.7	44.5	215	142	16.8
5	12500	15600	1005	M42X4.50X160	64.0	318	120	60.7	44.5	215	136	17.4
5	13500	16900	1350	M48X5.00X160	74.0	318	120	60.7	44.5	215	130	18.0

SL150 CROSBY SLIDE-LOC™ LIFT POINT

- Available in capacities from 0.5 to 3.2 metric tons.
- Bail is Forged Alloy Steel – Quenched and Tempered.
- Bail swivels 360° degrees.
- Rated at 100% for 90 degree angle.
- Fatigue rated to 20,000 cycles at 1-1/2 times the Working Load Limit.
- Meets the Machinery Directive 2006/42/EC guidelines and is marked with CE accordingly.
- Bolt specification for metric bolt is Grade 10.9 alloy cap screw to ISO 898-1.
- Unique locking mechanism makes the lifting point well suited for quick attachment to load surface. No need for tools.
- Features QUIC-CHECK® markings on bail to assist in knowing when device is ready for lifting.
- UNC version available



WLL (Tonne)	Bolt Size A	B	C	Dimensions (mm) E	F	H	J	T	Weight (kg)
0.50	M10x1.5x25	35.5	53.0	28.0	8.5	27.8	45.0	14.6	0.14
0.75	M12x1.75x30	42.5	62.6	33.0	10.5	32.9	54.0	18.3	0.23
1.50	M16x2x40	55.0	75.7	37.0	13.2	37.0	63.4	24.5	0.50
2.30	M20x2.5x50	68.8	91.1	43.9	16.0	43.6	75.6	31.0	0.94
3.20	M24x3x60	82.5	110.0	52.8	19.2	52.8	91.2	37.0	1.60

MATERIAL HANDLING

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FORK MOUNTED HOOKS

Fork Mounted Hooks provide an economical and safe method of converting a forklift truck into a mini mobile crane.

Standard Features (All models)

- Supplied complete with safety swivel hook and shackle for immediate use
- Heavy duty design
- Polyester powder coated in bright orange for safety
- Fully tested with a certificate



Product Code	Capacity (kg)	Pocket Length (mm)	Pocket Width (mm)	Width (mm)	Max Fork Size (mm)	Weight (Kg)
2084.2	2000	940	210	650	160 x 60	45
2084.3	3000	940	210	730	190 x 70	60
2084.5	5000	940	210	730	190 x 70	60

FORK MOUNTED EXTENDING JIBS

Fork Mounted Extending Jibs are specifically designed to convert a forklift truck into a long reach mobile crane, allowing considerable flexibility to reach and transport particularly long and awkward loads

Standard Features (All models)

- Supplied complete with safety swivel hooks and shackles for immediate use
- Safely secured behind fork heels with locking pins
- Polyester powder coated in bright orange for safety
- Fully tested with a certificate



Capacity (kg) @ Centres Shown (mm)									Max Fork Size (mm)	Fork Centres (mm)
1000	1250	1500	1750	2000	2250	2500	2750	3000		
1000	900	800	700	600	500	400	300	200	150 x 50	435
1500	1250	1100	1000	800	700	600	500	400	150 x 50	435
2000	1500	1350	1200	1000	800	700	600	400	150 x 50	435
3000	2000	1750	1500	1250	1000	900	800	700	150 x 50	435
4000	3000	2750	2400	2000	1500	1250	1000	850	150 x 50	435

FORK ATTACHMENTS

FORK MOUNTED JIBS

Fork Mounted Jibs are specifically designed to convert a fork lift truck into a mobile crane, allowing increased flexibility to reach and transport long and awkward loads from otherwise inaccessible locations



Standard Features (All models)

- Multi hook positioning, up to 1750mm load centres
- Safely secured behind fork heels with locking pins
- Supplied complete with safety swivel hook and bow shackle for immediate use
- Polyester powder coated in bright orange for safety
- Fully tested with a certificate

Product Code	Capacity (Kg)	Extension Range (mm)	Fork Pocket (mm)	Height (mm)	Width (mm)	Weight (Kg)
2082	2500	700-3700	190 x 75	480	500	210
2082	5000	700-3700	190 x 75	480	500	210

Load Ratings

Length (mm)	610	810	1010	1210	1410	1610	2100	2300	2500	2700	2900	3100	3300	3500	3700
Load (Kg)	2500	2500	2500	2500	1800	1400	1200	1050	950	850	770	700	650	600	560
Load (Kg)	5000	3550	2750	2500	2250	1950	1700	1600	1500	1450	1250	1100	1050	1000	950

LOW PROFILE JIBS & EXTENDABLE JIBS

Low Profile Jibs are specifically designed to convert a forklift truck into a mobile crane, allowing increased flexibility to reach, and transport long and awkward loads where a height restriction may occur.



Standard Features (All models)

- Multi-hook positioning up to 1750mm load centres (Extendable - 3000mm load centres)
- All models suitable for a maximum of 150 x 50 forks
- Safely secured behind fork heels with locking pins
- Supplied complete with safety swivel hook and bow shackle for immediate use
- Polyester powder coated orange for safety
- Fully tested with a test certificate

Capacity (kg) @ Centres Shown (mm)										Weight (kg)	Centre of Gravity (mm)
500	1000	1250	1500	1750	2000 [†]	2250 [†]	2500 [†]	2750 [†]	3000 [†]		
1000	700	500	400	250	260	230	190	150	100	75 / 95 [†]	750-1010
1500	1100	900	650	450	400	350	300	220	150	80 / 100 [†]	750-1010
2000	1600	1200	900	600	500	400	350	280	200	89 / 109 [†]	750-1010
3000	2100	1600	1100	850	715	620	440	320	250	107 / 127 [†]	750-1010
4000	3200	2500	1900	1100	975	850	650	500	400	118 / 138 [†]	750-1010

[†] Extendable Jib

TIPPING SKIPS

The fork lift tipping skip is the ideal solution when moving waste around your site or factory. With four way fork pocket entry the units can be placed exactly where required (can also be supplied in a “crane lift” version). Leading the way in health and safety each unit is supplied with a fixed heel pin and “tear-drop” safety catch to ensure the skip doesn’t discharge during transit.



- Rectangular shape with 3 mm sheet steel edge-profile surround
- Oil-tight and water-tight welded joins
- Roller system with automatic release

Options include:

- Two fixed rollers and two steerable rollers (2 with locking brake)
- Galvanised
- Any special colour
- 4 crane lugs

Product Code	SWL (kg)	Capacity (ltrs)	Height (mm)	Width (mm)	Length (mm)	Weight (Kg)
2013.8	1000	500	1060	1080	1370	220
2013.10	1000	750	1060	1180	1370	230
2013.12	1500	1200	1250	1200	1750	230
2013.14	1500	1500	1250	1560	1820	250

FORK EXTENSION SLEEVES

Fork Extension Sleeves provide a simple and effective handling solution for the occasional need to stabilise long and awkward loads without the risk of damage.



Standard Features (All models)

- Manufactured from 8mm material
- Fully formed and profiled toe section, reinforced for additional strength
- Finished in matt black
- Zinc plated fork heel pins

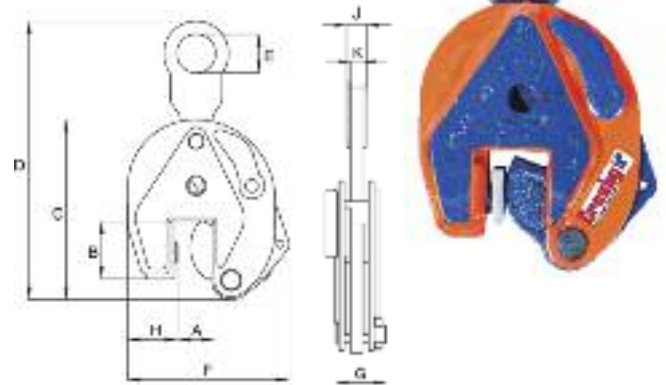
To Suit Max Fork Section 100 x 50 mm Length of Extension (mm)	To Suit Max Fork Section 125 x 50 mm Length of Extension (mm)	To Suit Max Fork Section 150 x 60 mm Length of Extension (mm)
1067	1067	1067
1220	1220	1220
1370	1370	1370
1525	1525	1525
1829	1829	1829
1981	1981	1981
2134	2134	2134
2440	2440	2440

PLATE CLAMPS



VERTICAL TRANSPORT OF PLATES: BASIC MODEL

- Vertical lifting Clamp IP10 is suitable for the lifting, turning (180°) and vertical transfer of steel plates and constructions
- The IP10 lifting clamp is fitted with a locking device for both open and closed positions, which ensures complete liability
- The IP10 lifting clamps with a WLL of 12 Tonne and above are fitted with special hook-up facilities, to enable easy placement of the clamp in horizontal position



Model	WLL (Tonne)	Dimensions (mm)										Weight (kg)
		A	B	C	D	E	F	G	H	J	K	
0.25 IP10	0.25	0-16	44	130	203	40	115	42	28	-	11	1.8
0.5 IP10	0.5	0-16	44	130	203	40	115	42	28	-	11	1.8
0.5 IP10J	0.5	15-30	45	128	209	40	128	41	32	-	11	1.8
1 IP10	1	0-20	45	139	212	40	127	42	38	-	11	2.2
2 IP10	2	0-35	78	201	330	70	188	64	55	-	16	7.6
3 IP10	3	0-40	100	253	434	75	222	78	60	-	20	13.8
4.5 IP10	4.5	0-40	100	253	434	75	227	82	65	-	20	15.0
6 IP10	6	0-50	126	302	517	80	292	84	95	40	20	23.5
9 IP10	9	0-50	126	325	445	80	310	94	104	44	25	27.5
12 IP10	12	0-54	160	392	574	80	433	121	137	41	25	49.0
16 IP10	16	5-64	180	463	686	88	492	121	153	49	25	68.0
12 IP10	12	0-54	222	554	808	110	565	139	186	49	25	110.0
22.5 IP10	22.5	5-80	222	554	803	110	565	153	186	54	30	124.0
30 IP10	30	5-80	222	554	803	110	565	153	186	54	30	124
6 IP10J	6	50-100	126	302	506	80	336	84	95	40	20	24.5
9 IP10J	9	50-100	126	325	542	80	360	94	105	44	25	28.5
12 IP10J	12	54-108	178	438	620	80	491	121	136	41	25	58.0
16 IP10J	16	64-128	208	521	734	88	562	121	160	45	25	80.0
22 IP10J	22	80-155	255	628	883	110	660	139	196	49	25	131.0
30 IP10J	30	50-155	255	628	887	110	660	153	196	54	30	147.0

VERTICAL TRANSPORT OF PLATES: MATERIALS WHICH CANNOT BE DAMAGED

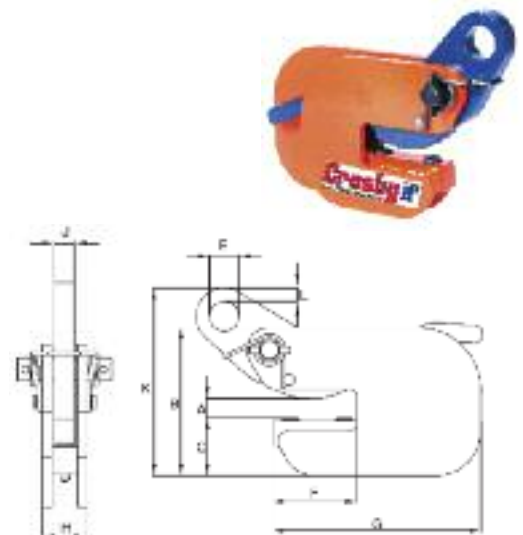
- The IPNM – lifting clamps (NM stands for none marring) can be used in almost all sectors of industry, where during lifting or transfer no damage to the material is permitted
- The jaws of the lifting clamp are made of a synthetic material with a very high coefficient of friction, so that damageable plates can be held firmly, and transferred in either a vertical or horizontal position. This also applies for materials with a very smooth surface, composites and coated plates, or plates with a very hard (impenetrable) surface



Model	WLL (Tonne)	A	B	C	Dimensions (mm)		F	G	H	K	Weight (kg)
					D	E					
0.5 IPNM10N	0.5	0-10	84	159	235	40	128	60	41	11	2.7
1 IPNM10N	1	0-20	97	209	278	40	184	80	56	11	4.4
2 IPNM10	2	0-40	153	258	396	70	296	100	161	16	14.5
0.5 IPNM10P	0.5	0-10	82	157	221	40	145	68	48	11	2.8
1 IPNM10P	1	0-20	97	195	276	40	205	82	66	11	4.5
1 IPNM10NJ	1	20-37	97	220	321	40	200	80	56	11	4.7
1 IPNM10NJ1	1	0-25	97	238	351	40	213	80	63	11	5.5

HORIZONTAL TRANSPORT OF PLATES: WITH PRETENSION

- Horizontal lifting clamp IPBC is suitable for lifting and transfer of steel beams and plates. It can also be used for turning beams from H position to I position
- The clamp is also suitable for sagging plates. Fitted with a pretension device on the material, causing the clamp to remain on the plate after it is placed, even in an unloaded position. The IPBC lifting clamps may only be used up to a top angle of maximum 60°. The clamps may be used both individually and in pairs



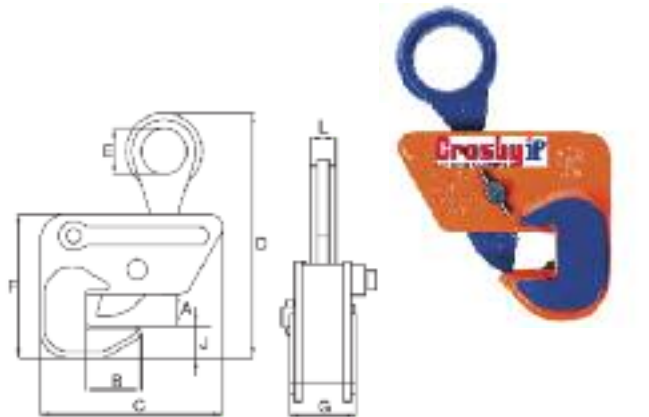
Model	WLL (Tonne)	A	B	C	Dimensions (mm)		G	H	J	K	L	Weight (kg)
					E	F						
1 IPBC	1	0 - 20	132	52	26	75	185	36	16	182	12	3.5
2 IPBC	2	0 - 25	152	62	30	82	210	49	20	218	15	6.5
3 IPBC	3	0 - 25	157	66	30	82	210	57	20	225	15	8.5

PLATE CLAMPS



HORIZONTAL TRANSPORT OF BEAMS: TRANSFER AND STACKING

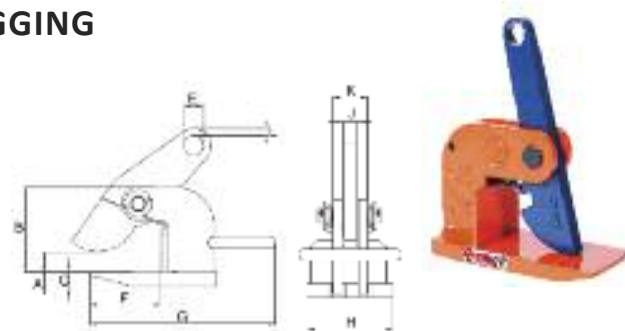
- Lifting clamp IPBHZ is suitable for the lifting and transfer of steel beams and plates
- The IPBHZ lifting clamp is fitted with a locking device for both open and closed positions, which ensures complete reliability. Also suitable for working in conjunction with an angle bench, guillotine, round roller, etc
- This clamp can grip beams on flanges or at head-end



Model	WLL (Tonne)	Dimensions (mm)									Weight (kg)
		A	B	C	D	E	F	G	J	L	
0.75 IPBHZ	0.75	0 - 25	40	148	220	50	130	69	33	22	3.0
1.5 IPBHZ	1.5	0 - 25	60	200	255	50	153	73	35	28	6.0
3 IPBHZ	3	0 - 40	80	227	325	70	188	112	38	32	10.5
4.5 IPBHZ	4.5	0 - 40	112	284	413	70	251	116	80	40	25.0
12 IPBHZ	12	0 - 40	125	466	490	90	317	90	90	47	42.3

HORIZONTAL TRANSPORT OF PLATES: NON SAGGING

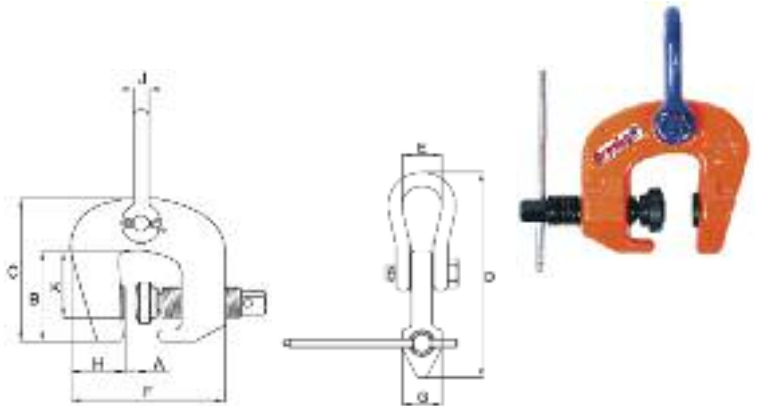
- The IPH10E horizontal lifting clamps are suitable for the lifting and transfer in horizontal position of non-sagging steel plates. Light weight clamp
- The IPH10E lifting clamps may also be used hanging vertically under a spreader beam
- The IPH10E is equal to the IPH10EJ but with a higher jaw aperture



Model	WLL (Tonne)	Dimensions (mm)										Weight (kg)
		A	B	C	E	F	G	H	J	K	L	
2 IPH10E	2	0-60	117	16	22	109	256	110	20	40	9	5.50
3 IPH10E	3	0-60	117	20	26	109	266	120	20	48	11	7.50
4.5 IPH10E	4.5	0-60	132	25	30	104	280	130	20	48	12	10.5
6 IPH10E	6	0-60	143	25	36	123	320	130	20	48	14	13
9 IPH10E	9	0-60	157	30	43	133	330	140	25	62	16	18.5
12 IPH10E	12	0-60	172	30	47	141	353	150	25	62	17	21.5
25 IPHTOZ	25	0-60	169	40	47	164	300	220	32	88	-	39
3 IPH10JE	3	60-120	177	20	26	109	266	120	20	48	11	18
4.5 IPH10JE	4.5	60-120	192	25	30	104	280	130	20	48	12	24
6 IPH10JE	6	60-120	203	25	36	123	320	130	20	48	14	30
9 IPH10JE	9	60-120	217	30	43	133	330	140	25	62	16	41
12 IPH10JE	12	60-120	232	30	47	141	353	150	25	62	17	48

ESPECIALLY FOR SHIP BUILDING: POSITIONING AND PULLING CLAMP

- Positioning and pulling clamp IPSC is suitable for use in the positioning and turning of steel plates and sections. To be used exclusively as a positioning and pulling clamp
- Please note this is not to be used as a lifting clamp. The clamp is suitable for steel with a surface hardness up to 30 Rc



Model	WLL (Tonne)	Dimensions (mm)										Weight (kg)
		A	B	C	D	E	F	G	H	J	K	
1.5 IPSC10	1.5	0 - 40	91	143	251	44	156	50	45	16	65	4.6
3 IPSC10	3.0	0 - 60	109	175	310	51	200	62	55	19	83	8.4

VERTICAL TRANSPORT OF DRUMS

- Vertical lifting clamp IPDV is suitable for the vertical lifting and transfer of steel drums carrying liquids with a capacity of 215 up to 225 litres
- The IPDV lifting clamp is light-weight and can be used single-handedly. The clamp is fitted with a hoisting eye and is ready for immediate use
- The IPDV lifting clamp may be used both singly or, alternatively, several clamps may be used at one time under a spreader beam, for example in the process of loading and unloading of containers and cargo holds



Model	WLL (Tonne)	Dimensions (mm)						Weight (kg)
		A	B	C	D	E	F	
0.5 IPDV	0.5	300	375	290	100	50	12	7.1

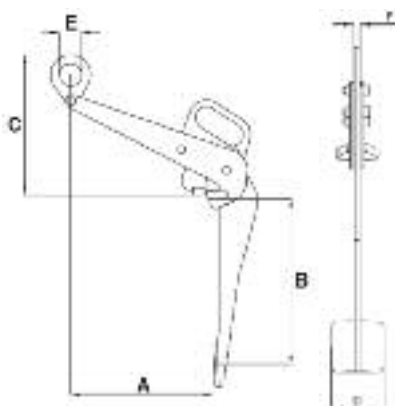
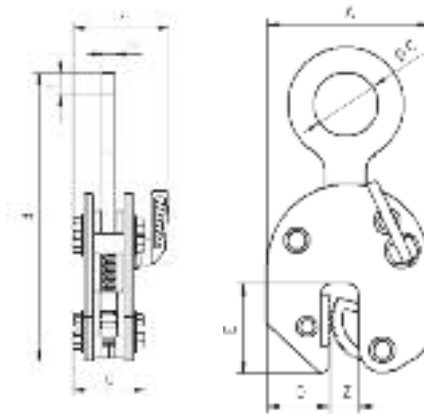


PLATE CLAMPS

92 SERIES VERTICAL PLATE CLAMPS

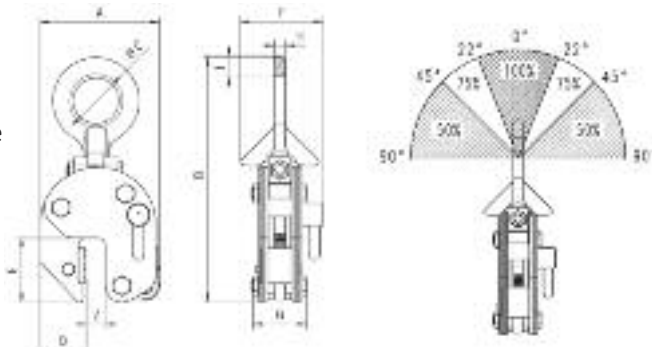
- These clamps are primarily used for transporting sheet metal and steel plates in the vertical position, as well as lifting and rotating through 180°.
- They can also be used for transporting steel constructions and profiles.
- It is recommended to use a pair of plate clamps in conjunction with a spreader beam for long materials which have a tendency to sag or flex.
- The jaw is opened and closed with the locking lever except for the 92-500 which uses a positive spring-loaded cam.
- The safety lock spring loads the cam jaw, preventing the clamp from opening even when there is no load.



Model	WLL (Kg)	Jaw Capacity (Z) mm	Dimensions (mm)									Weight (kg)
			A	B	C	D	E	F	G	H	I	
92-500	50 - 500	0 - 16	99	195	29	33	47	50	48	11	15	1.5
92-1500	100 - 1500	0 - 20	126	225	50	49	70	82	55	13	20	3
92-2000	200 - 2000	0 - 32	192	312	80	75	96	100	81	20	24	8
92-3000	300 - 3000	0 - 32	192	320	80	75	96	100	81	30	30	12

CY 'HINGED' VERTICAL PLATE CLAMPS

- The CY plate clamps with hinged hook rings can be used for the safe handling of plate at various angles. It can lift plate from the horizontal and put it down in the vertical.
- The hinged hook ring ensures adequate gripping pressure in every position, but the load capacity reduces. See the diagram below showing the load / force capacities.
- The main benefit of the CY hinged plate clamps is that longer plates can be lifted or handled, using two clamps on a two legged chain sling (as shown in illustration), thus eliminating the need for a spreader beam.



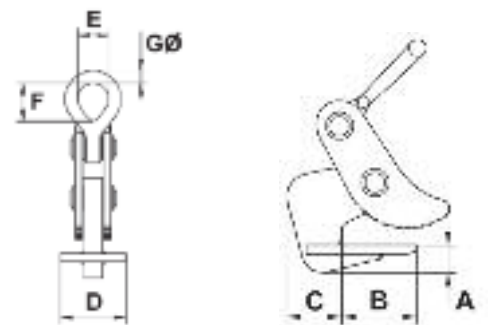
Model	WLL (Kg)	Jaw Capacity (Z) mm	Dimensions (mm)									Weight (kg)
			A	B	C	D	E	F	G	H	I	
CY1	100 - 1000	0 - 20	126	270	50	49	70	95	63	12	23	4.6
CY2	200 - 2000	0 - 32	192	382	80	75	96	132	92	20	30	14
CY3	300 - 3000	0 - 32	192	382	80	75	96	132	92	20	30	14

CH/HH 'INDUSTRY STANDARD', HORIZONTAL PLATE CLAMPS

The CH horizontal plate clamps have been specifically designed to be used, in pairs, for the transportation of plate bundles as well as single plates with a minimum thickness of 5mm.

A pair of clamps used with a two legged chain sling are suitable for small plates. It is recommended to use two pairs in conjunction with a spreader beam for handling of larger plates. These units are supplied as standard with a smooth jaw. There is also the option of hardened steel teeth for special applications. Please contact our technical department for further details.

The HH horizontal plate clamps incorporate all of the features of the CH clamps, yet are manufactured from high strength steel giving them exceptionally low tare weights.



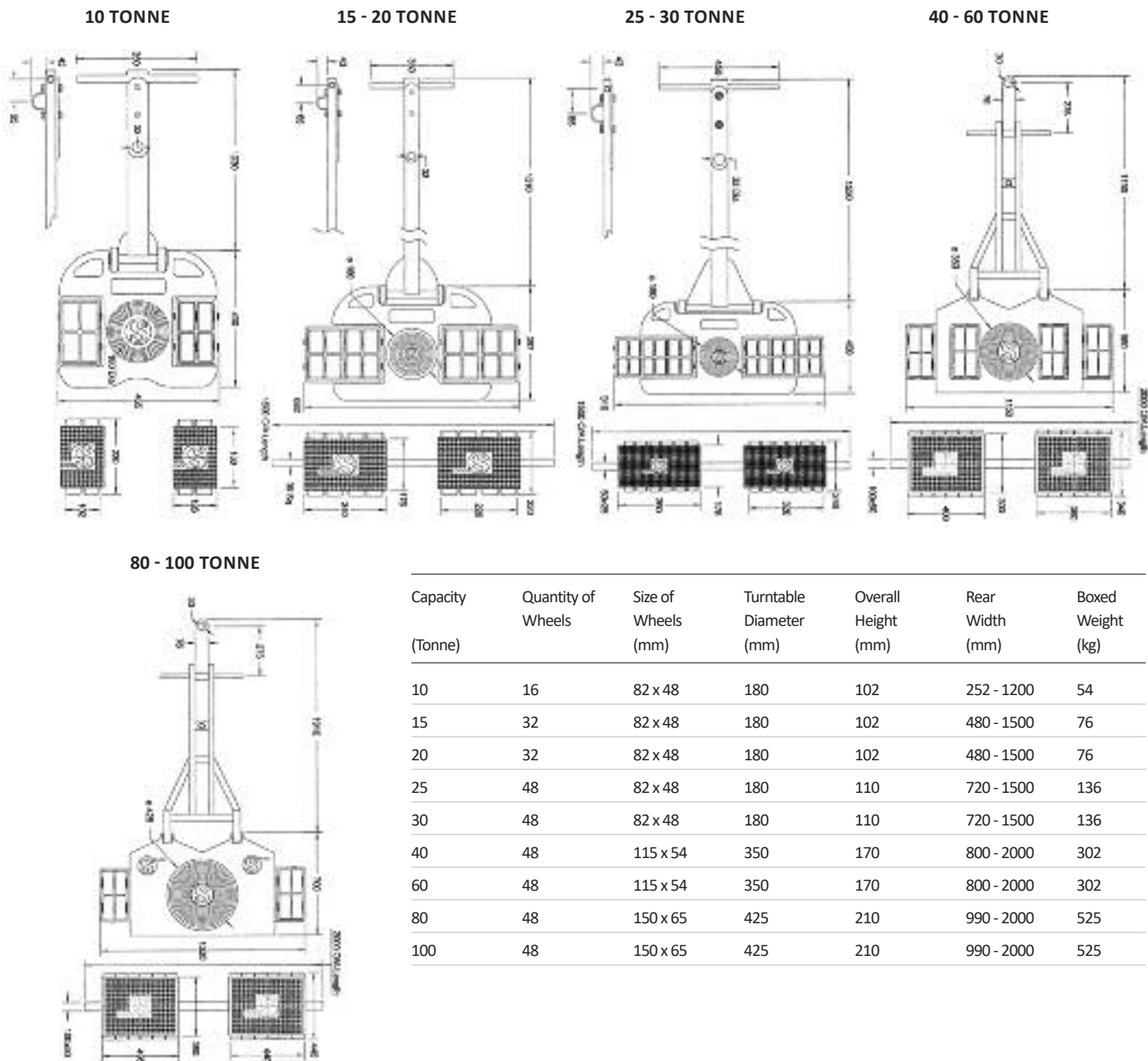
Model	WLL (Tonne)	Jaw Capacity(mm)	A	B	C	D	E	F	G	Weight (kg)
CH1	1000	5 - 32	30	82	60	100	32	44	13	8
CH2	2000	5 - 32	30	82	60	100	50	73	18	11
CH2L	2000	20 - 50	30	82	60	100	50	73	18	12
CH4	4000	5 - 50	40	112	80	100	64	92	25	17
CH4L	4000	50 - 100	40	112	80	100	64	92	25	23
CH6	6000	5 - 75	55	172	100	130	90	130	35	46
CH6L	6000	50 - 125	55	172	100	130	90	130	35	56
CH8	8000	5 - 75	55	172	105	130	90	130	35	53
CH8L	8000	50 - 125	55	172	105	130	90	130	35	60
CH10	10000	5 - 100	65	215	120	150	114	114	37 x 50	95
CH10L	10000	50 - 150	65	215	120	150	114	114	37 x 50	108
CH15	15000	5 - 100	71	230	120	150	114	114	37 x 50	110
CH15L	15000	50 - 150	71	230	120	150	114	114	37 x 50	123
CH20	20000	5 - 100	70	220	118	220	80	120	38 x 60	165
CH20L	20000	50 - 150	70	220	118	220	80	120	38 x 60	172
HH8	8000	5 - 50	55	168	105	130	67	67	24	21
HH8L	8000	50 - 100	55	168	105	130	67	67	24	28

LOAD MOVING SKATES

HEAVY DUTY NYLON WHEELED SKATES

Our high quality machine moving skates will help put your heavy and awkward loads into motion. The steering turntable gives excellent manoeuverability in tight corners. Nylon skates should only be used on clean smooth surfaces.

Features include: special composite wheel equipment, Steerman's Three Point Loading System and a unique turntable design allowing for greater impact resistance



CATERPILLAR SKATES

Steerman Caterpillar Skates provide an ergonomic and robust solution to many load moving and placement problems.

- Modular concept allowing linking of units
- Robust lockable steel container with nylon castors



Model	Capacity (Tonne)	Weight (kg)
SCS-20	20	50
SCS-30	30	58
SCS-60	60	92

ROLLER PINCH BARS

Steerman's Roller Pinch Bar has a low toe plate height, and so is able to get into the tightest of gaps. It is also compact and light weight, making it easy to use, and the ideal companion for the professional load mover.

- Easy to use design
- Compact and light weight
- Two different models available

Model	Capacity (kg)	Lift Height (mm)	O/A Length (mm)	Roller (D x W, mm)	Weight (kg)
RPB15	1500	145	2000	75 x 55	16.5
RPB50	5000	145	2000	70 x 54	32



SCAFFOLD RUNWAY BEAMS

The Scaffolding Runway System is unique to Niko Ltd and provides a solution for lifting and moving loads throughout a scaffolding support structure.

Features

- Clamps to existing scaffolding structure
- Lift and move loads up to 2000kg
- Cantilever over the end of the scaffolding
- Available in straight and curved sections
- Change direction with junction switches
- Suspend a bridge from 2 runways to create a crane system
- Supplied in kit form for ease of installation, extension and relocation
- Some components approved to EN795 for fall arrest

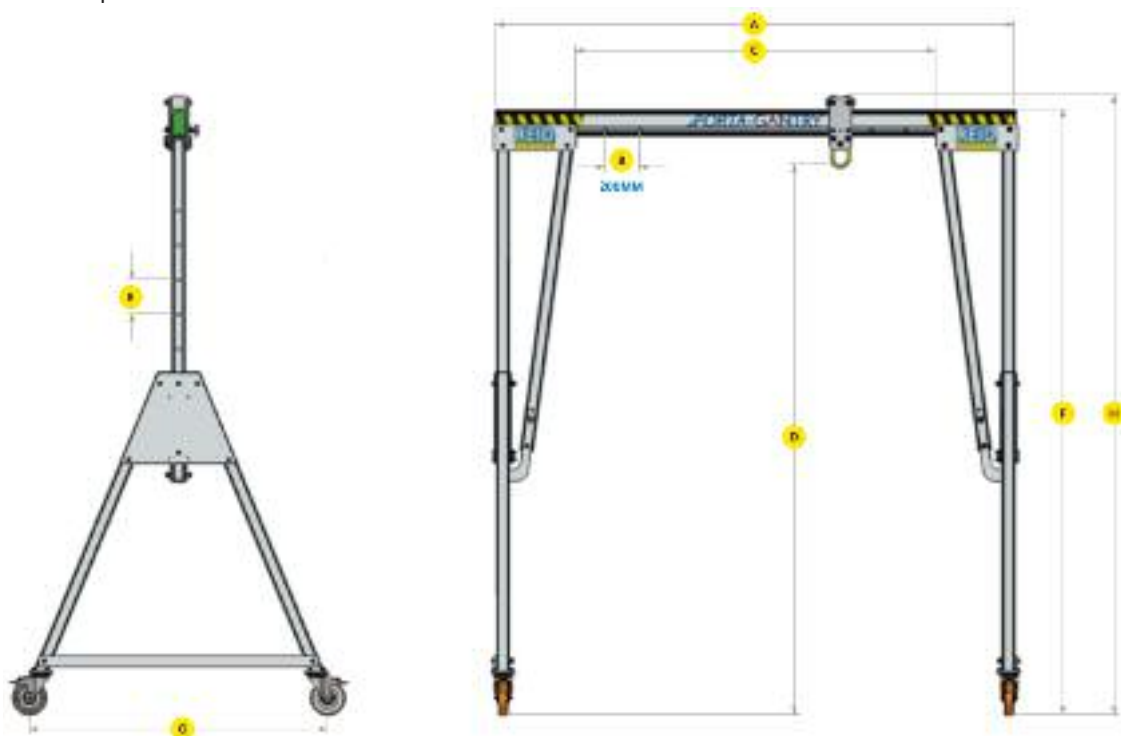


GANTRIES

PORTA-GANTRY

The Porta-Gantry from Reid Lifting is lightweight, portable and safe. It allows for easy transport and manual assembly, with stringent testing and certification. All of the Porta-Gantry range have a minimum of three persons fall protection/personnel lifting, fully certified to EN795 Class B. The unit can be altered for work on rough and uneven ground.

- Fully anodised and corrosion resistant aluminium construction. Ideal for confined spaces, roof tops and clean environments
- Load bearing, 360° swivel, lockable castors as standard
- Capacity: Choose from 500kg, 1 Tonne, 2 Tonne, 3 Tonne or 5 Tonne
- Various beam lengths available, up to 9000mm as standard (WLL dependent). Custom lengths also available
- Various choices of A-frame for overall height and height of lift. Custom A-frames also available
- Various trolleys available, including close coupled, integrated, geared, and sheaved. Custom trolleys also available
- Other accessories are also available, such as geared hand wheels, stabilisers, ratchet systems, wind-up jack legs, all terrain castors, directional lock castors
- System folds down on a few bolts for flat pack stowage and easy transport
- Available for hire or purchase



Clear Operating Span - C = A - 920mm

Max Goods Lifting (Kg)	Max Personnel Lifting (Kg)	Fall Arrest (Persons)	D - Min Height of Lift (mm)	D - Max Height of Lift (mm)	A - Min Available Span (mm)	A - Max Available Span (mm)
500	250	3	1605	5829	2500	9000
1000	400	3	1605	5829	2500	9000
2000	750	5	1605	5829	2500	8400
3000	1000	5	1660	5527	2500	8400
5000	2000	5	2181	5000	2500	5500

TENSION LOAD CELLS - RADIOLINK PLUS

The Radiolink plus is designed to be rigged with Crosby standard shackles. DNV-GL type approved wireless tension load cell capable of weighing and dynamic load monitoring in capacities from 1t to 500t – from stock with an ATEX and IECEx version available for hazardous areas, zones 0, 1 & 2.

Two versions of the RLP are available:

- Long range 2.4GHz version providing industry-leading wireless range of 1000m or 3280ft to SP's SW-HHP handheld or software options.
- Bluetooth output and can be connected to any smart phone running our free HHP app on iOS or Android, at ranges up to 100m or 328ft.

The versatile RLP is able to provide an update rate of 3Hz and can be easily configured to run at industry-leading speeds of up to 200Hz, making it ideal for dynamic force measurement.

A full array of wireless accessories are also available including wireless score board, overload alarm and base station with analogue (4-20mA) or 2 relay or RS485 ASCII outputs.

Features and benefits:

- Proprietary 2.4GHz Wireless
- Unrivalled Battery Life of 1200hrs
- Environmentally Sealed to IP67/NEMA6
- Remote On-Off from handheld display or software
- ATEX Zones 0, 1 & 2 available
- Design validated by F.E.A.
- DNV-GL Type Approval
- Complies with ASME B30.26



Model	Capacity (Tonne)	Weight (Kg)	Safety Factor	Dimensions (mm)							Crosby Shackle	Load Pin Ø (mm)
				A	B	C	D	E Ø	F	G		
RLP1T	1	1.5	12:1	204	43	104	146	24.5	48	19	G2130	19
RLP2T5	2.5	1.5	7:1	204	43	104	146	24.5	48	19	G2130	19
RLP6T5	6.5	2.4	7:1	249	43	113	165	38	65	32	G2130	25
RLP12T	12	3.7	7:1	305	47	113	193	47.5	-	-	G2130	35
RLP25T	25	5	5:1	340	60	115	215	55	-	-	G2130	51
RLP35T	35	8.6	5:1	393	75	126	225	60	-	-	G2130	57
RLP55T	55	13	5:1	424	75	180	230	76	-	-	G2140	57
RLP75T	75	16	5:1	470	75	202	260	76	-	-	G2140	70
RLP100T	100	34	5:1	608	99	255	320	109	-	-	G2140	83
RLP150T	150	46	4:1	670	99	303	360	109	-	-	G2140	95
RLP200T	200	82	5:1	700	144	350	350	145	-	-	G2140	121
RLP250T	250	82	4:1	700	144	350	350	145	-	-	G2140	127
RLP300T	300	118	5:1	806	150	426	350	160	-	-	G2140	152
RLP500T	500	193	5:1	930	150	570	450	200	-	-	G2160	180

LOAD INDICATORS

COMPRESSION LOAD CELLS - LOADSAFE

No longer hindered by troublesome and hard to maintain cables, large-scale projects can now be completed in a fraction of the time previously required. Multiple compression load cells can all connect wirelessly to INSIGHT via a USB dongle, their iOS or Android app (If Bluetooth), or their SW-HHP wireless handheld display.

Maintenance and repair costs are all but eliminated due to the absence of cables and connectors. The flexibility of the product opens the door to a large number of applications in the heavy lift, energy, defence, rigging, shipping, and general transportation sectors.

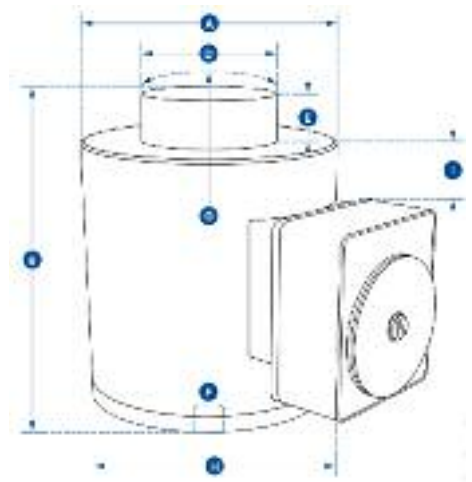
Two versions of the WNI are available:

- Long range 2.4GHz version providing industry leading wireless range to Crosby | Straightpoint's SW-HHP handheld or INSIGHT.
- Bluetooth output and can be connected to any smart phone running our free HHP app on iOS or Android, at ranges up to 100m or 328ft.

Connected to Crosby | Straightpoint's INSIGHT, the WNI load cell can be used to weigh and verify centre of gravity of large and heavy objects, which may not be evenly proportioned. The system will report weight on each individual load cell, total weight and C-of-G in a html report based on ISO19901.

Features and benefits:

- Proprietary 2.4GHz wireless
- Accuracy of $\pm 0.1\%$ FS
- Environmentally sealed to IP67 or NEMA6
- Industry leading wireless range up to 1000m or 3280ft
- Internal antennae
- ATEX & IECEx version for hazardous area zones 0, 1 & 2 available
- Battery life of 1200hrs
- Remote On-Off from handheld display or software
- Design validated by F.E.A



Model	Capacity (Tonne)	Weight (Kg)	Safety Factor	Dimensions (mm)							
				A Ø	B	D Ø	E	F	G	H	I
WNI5TC	5	6.2	3:1	100	127	59	16	M18 x 2.5	152	158	22
WNI10TC	10	6.2	3:1	100	127	59	16	M18 x 2.5	152	158	22
WNI25TC	25	6.2	3:1	100	127	59	16	M18 x 2.5	152	158	22
WNI50TC	50	6.2	3:1	100	127	59	16	M20 x 2.5	152	158	22
WNI100TC	100	15.5	3:1	152	184	80	26	M20 x 2.5	432	208	33
WNI150TC	150	15.5	3:1	152	184	80	26	M20 x 2.5	432	208	33
WNI300TC	300	65	3:1	185	300	155	27.5	M20 x 2.5	432	241	49
WNI500TC	500	65	3:1	185	300	155	27.5	M20 x 2.5	432	241	49
WNI1000TC	1000	172	3:1	362	310	270	40	M30 x 3.5	950	422	102

LOADSHACKLE

Straightpoint's Wireless Loadshackle (WLS) provides the perfect solution to limited headroom or super heavy lift projects. Available from stock in capacities from 3.25t to 500t (up to 3000t available POA), the WLS is constructed using industry-leading shackles from Crosby.

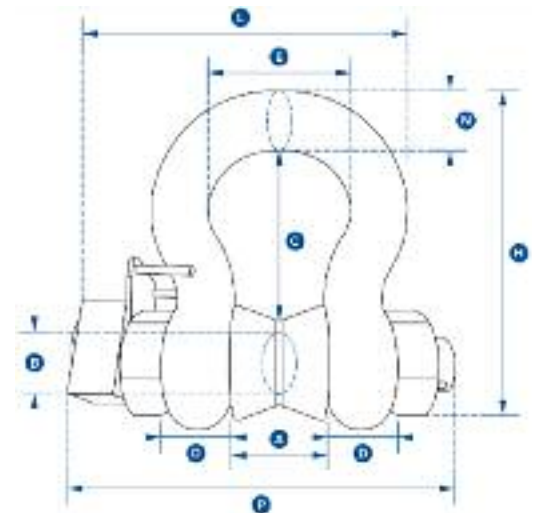
The WLS may also be used with Straightpoint's SW-PTP software package, allowing the operator to perform load tests at a safe distance and generate real-time test certificates on site.

Two versions of the WLS are available:

- Long range 2.4Ghz version, providing industry-leading wireless range of 1000m or 3280ft to SP's SW-HHP handheld or software options.
- Bluetooth output and can be connected to any smart phone running our free HHP app on iOS or Android, at ranges up to 100m or 328ft.

Features and benefits:

- Wireless Range of 1000m or 3280ft
- Electronics housed in hard anodised enclosure
- Environmentally sealed to IP67 or NEMA6
- Battery Life of 1200hrs from 4 x AA batteries
- Internal Antennae
- Remote On-Off from handheld display or software
- Supplied with a load-centring bobbin
- Complies with ASME B30.26
- Design validated by F.E.A.
- ATEX Zones 0, 1 & 2 available



Model	Capacity (Tonne)	Weight (Kg)	Safety Factor	Dimensions (mm)								
				A	B Ø	C	D	E	H	L	N	P
WLS3.25T	3.25	2.8	5:1	26.9	19.1	56.9	16	42.9	106	127.1	17.5	143
WLS6.5T	6.5	3.2	5:1	36.6	25.4	79.7	22.4	58	148	156.5	24.6	173
WLS12T	12	8	5:1	51.5	35.1	113	31.8	82.5	210	196	35.1	218
WLS25T	25	18	5:1	73	51	170	44.5	127	313	281	57	293
WLS55T	55	25	5:1	82.5	57	189.5	51	146	348	306	61	317
WLS85T	85	45	5:1	105	70	253	66.5	184	453	368	79	394
WLS120T	120	85	5:1	127	82.5	319.5	76	200	546	408	92	441
WLS200T	200	260	5:1	188	125	431	110	280	769	531	120	601
WLS300T	300	405	5:1	215	150	506	120	305	904	586	140	656
WLS400T	400	662	5:1	240	175	544	160	325	1007	669	160	766
WLS500T	500	819	5:1	262	185	665	160	350	117	716	180	791
WLS600T	600	1056	5:1	288	205	622	185	375	1170	786	200	879
WLS700T	700	1196	5:1	315	215	617	200	400	1189	838	210	936
WLS800T	800	1236	5:1	315	220	612	200	400	1197	838	210	941
WLS1000T	1000	1630	5:1	357	240	661	240	420	1312	911	240	1006
WLS1250T	1250	2095	5:1	378	270	720	225	450	1432	976	260	1061
WLS1500T	1500	2452	5:1	378	290	773	225	450	1532	996	280	1061

CRANE FORKS AND FLOOR CRANES

CRANE FORKS

- Capacity 1000 - 3000kg
- 4:1 Factor of Safety
- Adjustable fork width
- Adjustable height
- Automatic balancing system
- Supplied with safety cargo net
- Turn your mobile or overhead crane into a forklift
- Ideal for building sites etc



Item Code	SWL (kg)	Tine Length (mm)	Tine Cross Section (mm)	Height (mm)	Weight (kg)
1056.7	1000	1000	40 x 90	1500	120
1056.9	2000	1000	45 x 120	1500	198
1056.10	3000	1000	45 x 130	1700	364

FLOOR CRANES

- Models 44012, 44017 and 44018 are foldable for easy storage
- Heavy duty 44020 has retractable front legs and lifting boom for easy storage
- Model 44017 has the MagicLift hydraulic unit
- Hard chrome plated piston rod
- PU wheels

Model	Lock Position	Capacity (kg)	Dimensions (mm)		Boom Length	Weight (kg)
			Min Hook Height	Max Hook Height		
44017/44018	1	1000	439	1978	620	84
	2	900	341	2021	720	84
	3	800	243	2075	820	84
	4	700	145	2131	920	84
	5	600	0	2170	1020	84
44012	1	1000	280	2070	710	73
	2	850	200	2140	795	73
	3	700	125	2205	870	73
	4	550	50	2280	950	73
44020	1	2000	465	1760	1238	105
	2	1500	355	1910	1465	105
	3	1000	235	2065	1692	105
	4	500	127	2200	1919	105



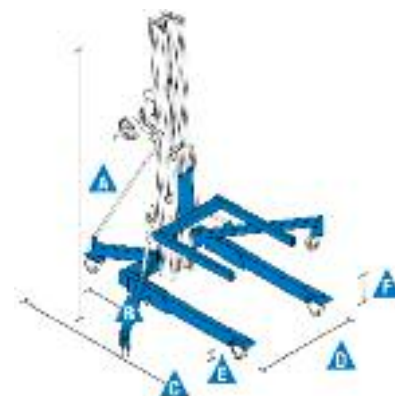
GENIE LIFTS

The Superlift Advantage (SLA) safely lifts up to 454kg (1,000lb) on construction and industrial sizes. Just choose the base and the height you need – either standard base with five different lifting heights, or straddle bases with three different lifting heights. Additionally, there are eight different load handling attachments to choose from.

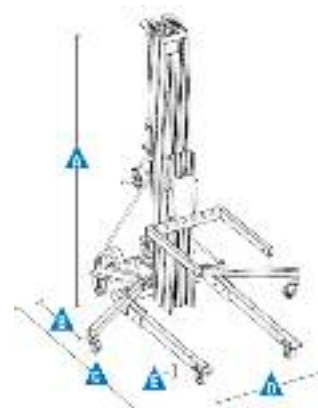
The lightweight and portable Superlift Contractor (SLC) is designed with the contractor in mind. Its heavy-duty design includes a fixed steel base. Safely lift up to 295kg (650lb) with six different load handling attachments.



Model	Max Capacity (kg)	Dimensions (mm)					Max working Height (m)	Standard Weight (kg)
		A	B	C	D	E		
SLA-5	454	1990	740	1510	800	50	2	98
SLA-10	454	1990	740	1510	800	50	3.49	118
SLA-15	363	1990	740	1880	800	50	4.98	151
SLA-20	363	1990	740	2080	800	50	6.46	184
SLA-25	295	1990	790	2080	800	50	7.94	204



Model	Max Capacity (kg)	Dimensions (mm)					Max working Height (m)	Standard Weight (kg)
		A	B	C	D	E		
SLC-12	295	2180	860	1600	800	50	3.94	102
SLC-18	295	2180	860	1850	800	50	5.64	139
SLC-24	295	2180	860	2060	800	50	7.32	157



MAGNETS

LIFTING MAGNETS

TPM permanent lifting magnets are ideal tools for easy, quick and economical transport of heavy objects made from ferro-magnetic material. Typical operating areas are workshops and warehouses, loading and unloading of machines as well as construction of jigs and fixtures.

Factors that reduce the magnetic clamp force:

Air Gap: High magnetic forces created by TPM allow the magnet to clamp components through the air gap, however, air gaps will reduce the magnetic performance as they provide a barrier between the contact surfaces. Air gaps occur in a number of different ways such as paint, dust and heavy mill scale. Poorly machined surfaces also constitute an air gap.

Material Thickness: If the TPM is used to lift plates thinner than the recommended minimum thickness, the clamping forces will be significantly reduced.

Contact Area: Full lifting capacity can only be achieved when the magnet has full contact area with the component being lifted. If the contact surface has holes in or is uneven then the performance will be affected accordingly. Always carry out a trial lift in these circumstances to establish correct lifting before transporting the load.

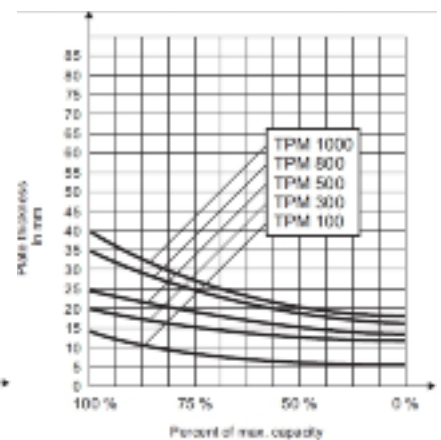
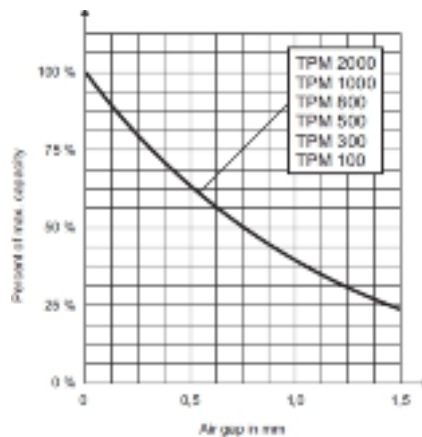
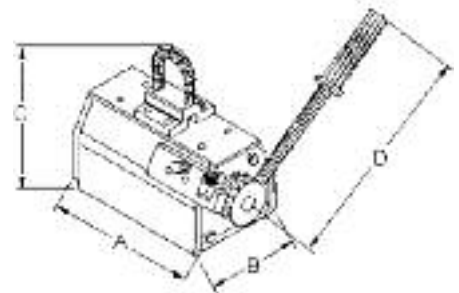
Material Type: Certain materials have different abilities to carry magnetism. For materials other than mild steel a reduction factor must be applied in order to calculate the effective clamping force.

Typical Values:

Ferrous alloy steels	0.8
High carbon steels	0.7
Cast iron	0.55

Examples of reduced SWL:

Mild steel	500g
Cast iron	500kg x 0.55 = 275kg



Model	Flat Material		Round Material		Tear Diameter	Dimensions (mm)							
	Maximum Capacity SWL	Minimum Thickness to obtain Max.SWL	Maximum Length of material	Maximum Capacity SWL		Maximum Length of material	Off Force	A	B	C	D	Weight	
	(kg)**	(mm)**	(mm)	(kg)**		(mm)	(mm)	(kg)					
													(kg)
TPM 1	100	15	2000	50	200 - 300	2000	300	122	69	185	160		6
TPM 3	300	19	2500	150	200 - 300	2500	900	192	95	225	250	15.5	
TPM 5	500	25	3000	250	200 - 300	3000	1500	232	120	270	250	29.5	
TPM 8	800	35	3500	400	200 - 300	3500	2400	302	154	320	450	53	
TPM 10	1000	40	3500	500	200 - 300	3500	3000	332	154	320	450	60	

**Maximum lifting capacity is achieved by using mild steels with the noted minimum thickness.

WIRE ROPE PULLING MACHINES

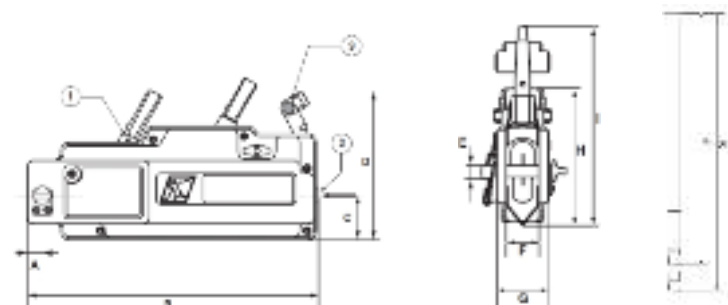
TUSK

TIRFOR MACHINES

- Lightweight but strong aluminium housing design
- Precise load placement within millimetres
- Ropes are supplied fused and tapered; one end with eye type, latch hook at other end
- 20m rope supplied as standard; longer lengths available
- Capacities from 800kg to 3.2 Tonne
- Can be sheaved to increase load capacity
- Overload Protection



(Please note the pulling and lifting capacities are different for each model)



WLL (kg)	Wire Rope (mm)	Effort To Control		Rope Travel	
		Forward (kg)	Reverse (kg)	Forward (mm)	Reverse (mm)
800	8.3	35	12	46	63
1600	11.5	48	18	42	57
3200	16.3	45	25	18	36

WLL Weight (kg)	Dimensions (mm)											(kg)
	A	B	C	D	E	F	G	H	I	J	K	
800	20	420	64	212	15.3	38	60	165	230	405	690	7
1600	30	530	77	252	21.3	50	84	193	315	648	1147	14
3200	40.5	631	107	283	29	69	97	240	357	648	1147	24

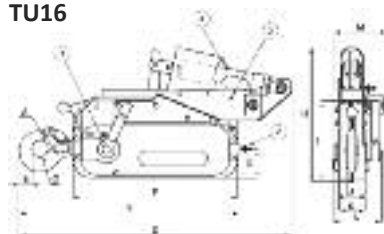
HYDRAULIC TIRFOR MACHINES

Hydraulic Tirfors are portable motorised hoists. They can be used to lift, pull and position loads over great distances depending on the wire rope length. They are suitable for use in numerous configurations, and are the ideal solution for use in professional applications; they are operated by a hydraulic cylinder powered by either an electrical power pack or a petrol motor power pack option.

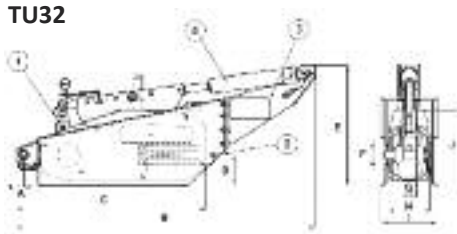
The load capacity can be increased by using sheave blocks.



TU16



TU32



WLL (kg)	Wire Rope (mm)	Effort To Control		Rope Travel	
		Forward (kg)	Reverse (kg)	Forward (mm)	Reverse (mm)
1600	11.5	54	20	56	70
3200	16.3	54	25	30	48

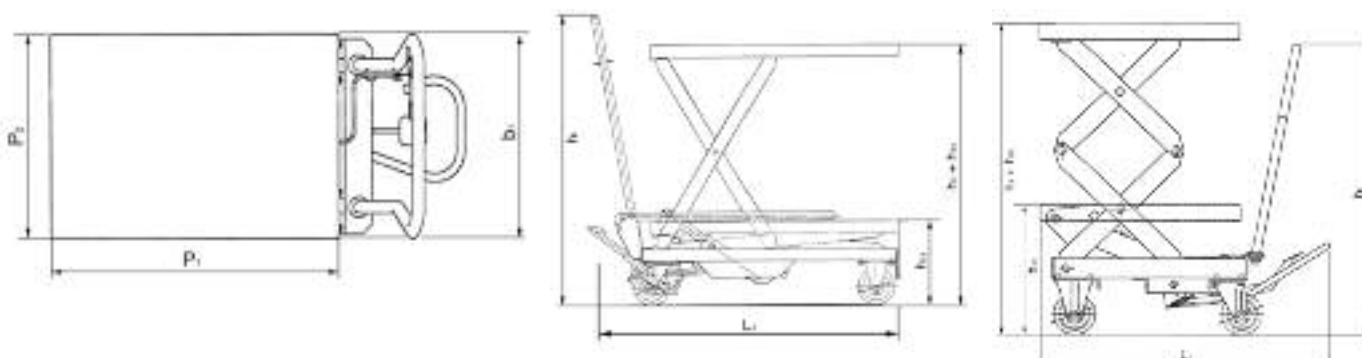
Model	WLL (kg)	Dimensions (mm)													Weight (kg)
		A	B	C	D	E	F	G	H	I	J	K	L	M	
TU16	1600	38	36	48	800	646	483	86	400	236	31	78	144	160	30
TU32	3200	28	1070	680	110	430	28	50	150	205	270	-	-	-	56

HYDRAULIC TABLES

HYDRAULIC TABLES

Manually Operated Scissor Lift Tables

- Robustly constructed scissor lift trolleys, developed to withstand most arduous industrial environments
- Ideal for manoeuvring or positioning parts
- High quality positive feel hydraulics
- Fitted with 2 maintenance stops
- Overload relief and by-pass valves
- Fully mobile on 2 fixed and 2 braked swivel guarded castors
- Foot operated pump with controllable hand operated lowering
- Fully compliant with BS EN1570 and CE marked
- Larger table sizes are available on request



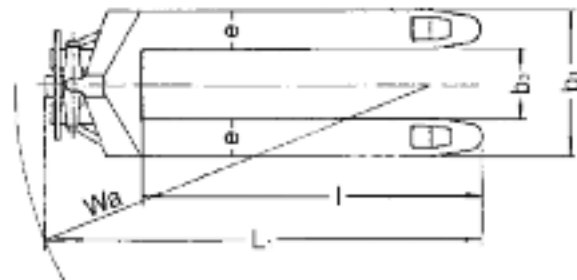
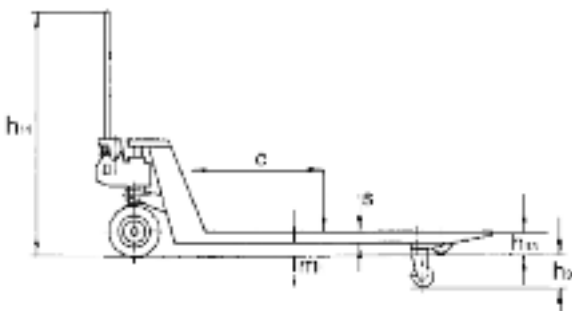
Model		HX 150	HX 300	HX 500	HX 750	HX-D 350	HX-D 700
Capacity		150	300	500	750	350	700
Total Height	(h1)	960	984	984	990	965	1015
Max. Height of Platform	(h3 + h13)	720	880	880	1000	1300	1500
Min. Height of Platform	(h13)	220	285	285	420	370	445
Total Length	(L1)	908	1093	1093	1330	1140	1480
Total Width	(b1)	450	500	500	600	500	610
Platform Length	(P1)	700	850	850	1000	910	1220
Platform Width	(P2)	450	500	500	510	500	610
Lifting Height Per Stroke		27	31	31	15	21	11
Weight		49	78	82	120	136	195

PALLET TRUCKS

All of the pallet trucks we supply have a reputation for strength, quality and durability, and can be supplied with varied steering/load wheel combinations. Non-standard pallet trucks are available on request. They provide a cheap and effective way of moving pallets in and around workshops.

Features include:

- Smooth and quiet motion
- 210° steering left and right
- Easy handling
- Precisely Adjustable
- One-hand control
- Ergonomic control
- Precision lowering to allow you to adjust the lowering speed
- Robust design
- Spares available



Type		Standard Forks	Wide Forks	Long Forks	Extra Wide	Low Profile
Lifting Capacity (kg)		2,500	2,500	2,000	2,000	1,500
Steering/Load Wheels		SR/PUR	SR/PUR	SR/PUR	SR/PUR	PA/PUR
Wheel Size (Front) (mm)		200 x 50	200 x 50	200 x 50	200 x 50	180 x 50
Load Wheel Size (Rear) (mm)		82 x 70	82 x 70	50 x 70	82 x 70	50 x 70
No. Wheels Front/Rear		2 / 4	2 / 4	2 / 4	2 / 4	2 / 4
Lifting Height (mm)	(h ³)	115	115	115	115	115
Load Centre (mm)	(c)	600	600	600	600	600
Steering Handle Height (mm)	(h ¹⁴)	1200	1200	1200	1200	1220
Fork Height Lowered (mm)	(h ¹³)	85	85	85	85	51
Total Unit Length (mm)	(L ¹)	1535	1535	2385	1535	1535
Useable Fork Length (mm)	(l)	1150	1150	2000	1150	1150
Fork Width (mm)	(e)	160	160	160	160	160
Fork Thickness (mm)	(s)	45	45	-	-	-
Inside of Forks (mm)	(b ³)	220	365	-	-	-
Outside Fork Width (mm)	(b ¹)	540	685	540	850	540
Floor/Ground Clearance (mm)	(m ¹)	40	40	40	40	40
Weight (kg)		79	88	126	112	84

SR - Solid Rubber; PA - Polyamide; PUR - Polyurethane.

TROLLEYS, BARROWS AND BASKETS

SITE TROLLEYS

- Various platform dimensions available
- Pneumatic or hard rubber wheels are an option
- Turntable front axle
- Robust design – ideal for site work
- Typical platform dimensions: 800mm x 1200mm
- A wide selection of trucks, trolleys and trailers are available



PIPE BARROWS

- Designed to carry various weights and diameters of pipes (up to 48")
- Supplied with either hard rubber or pneumatic wheels
- Designed with the flexibility to carry goods as well as pipes
- Bespoke design available - contact us to find out more about this service



GAS BOTTLE CARRIERS

- Cheap and easy way of transporting all types of gas bottles up a height
- Can transport up to 6 standard bottles at one time
- Bottles are fully secured with Ratchet Straps
- Fork mounted Gas Bottle Carriers are available

Product Code	Bottle Capacity	Bottle Diameter (mm)	Height (mm)	Width (mm)	Length (mm)	Weight (kg)
1328.1	4 Small	250	2010	600	870	60
1328.2	4 Mixed	250 / 380	2010	750	1130	100
1328.3	6 Small	250	2010	600	1130	80



MATERIAL BASKETS

Material baskets are a cheap, effective and safe way of lifting tools and other loose equipment up a height without the need for manual carrying.

- Capacity: 1.5 Tonne – 3 Tonne
- Bespoke designs available - contact us to find out more

Product Code	SWL (Kg)	Height (mm)	Width (mm)	Length (mm)	Weight (kg)
1058.3	1500	1000	1250	1250	160
1058.3R	1500	1000	1250	1250	195
1058.5	3000	1000	2500	1250	380



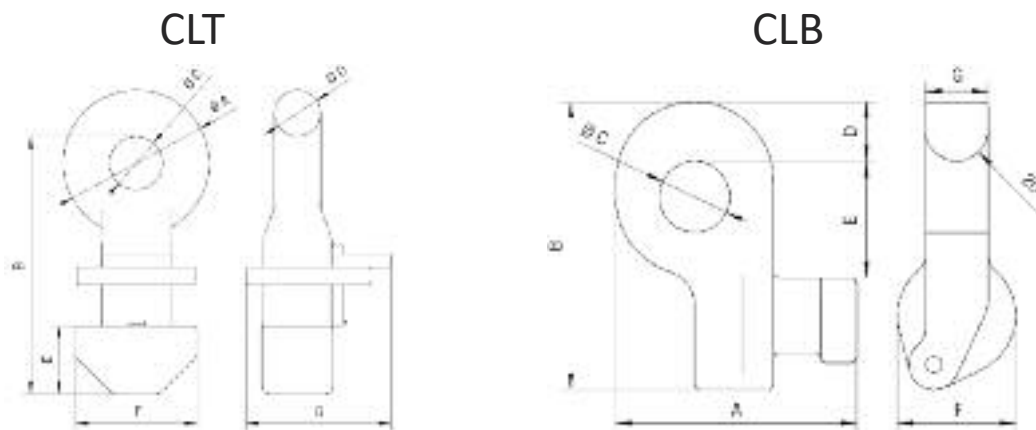
TOP LIFTING LUGS CLT / SIDE LIFTING LUGS CLB

These container lifting lugs are supplied in sets of 4 and have a working load limit up to 56 Tonne. The CLT and CLB lugs serve as flexible lashing points for the transportation of containers.

The two types are dependant on whether you want to fasten them to the top or the side of the container.

The CLT type is vertically mounted in the hole at the top of the container and is locked into place by simply turning the lug 90°. This configuration allows for transportation via the use of a lifting frame, in conjunction with wire ropes, chains or slings.

The CLB type is mounted horizontally, to the side of the container, at either the top or the bottom fixing holes. They are fitted with a spring loaded bolt to prevent accidental release.



Model	WLL (kg)	Type of Lifting	Max Top Angle	Dimensions (mm)		C	D	E	F	G	Weight (kg)
	32,000		50°								
CLB	40,000	SIDE	36°	152	181	45	37	73	75	40	18
	50,000		Vertical								
CLT	56,000	TOP	Vertical	123	217	45	39	57	101	121	28

THE PRESTON SHOE LIFTING LUGS

The Preston Shoe container lifting lugs are used for handling containers where there is a need to bottom lift.

The Preston Shoe comes as a set of four lugs which are identified as a left and right hand set.

Safe working load for a set of four is either 34 Tonne or 48 Tonne.

The Preston Shoe can be used to top lift containers



VACUUM LIFTING EQUIPMENT

PROBST STONEMAGNET SM-400

A handy, powerful and cordless vacuum lifting device for laying of dense stone slabs, concrete elements, pipes and similar. Can be used with all kinds of lifting equipment. Specially designed and equipped for heavy duty work on the construction site. For special purposes, there are different suction plates available, which can be attached to the SM easily.

- Capable of carrying up to 90kg, 200Kg, or 400Kg with separately available suction plates. Special suction plates for use on pipes, etc. are available on request
- Durable surface protected by galvanisation
- Robust and compact main body, with integrated suspension for crane hook and quick change device for the suction plate
- Powered by a rechargeable, exchangeable 12V battery
- Power saving control system allows battery to last for one whole working day
- Battery can be exchanged within seconds
- Battery charge indicator



PROBST VACUUM-POWER-HANDY (VPH)

Flexible and powerful hand operated laying device for dense products, such as granite or high quality concrete elements up to 150kg weight.

- Vacuum pump unit with manometer and suction force indicator, battery charging indicator and on/off switch
- Complete unit detachable, and can also be mounted on other devices
- Powered by a rechargeable 12V battery, which allows for a full day of laying operation without needing to be recharged
- Handles for two men operation. The height and width of the handles are adjustable to accommodate for different laying tasks
- Additionally equipped with lifting eyelet for crane hook



BLOCK GRAB

The Block Grabs are manufactured from heavy duty box section steel and are suitable for lifting unpalleted materials such as vertically steel strapped blocks, slabs and kerb stones.

The grab can lift packs with widths from 400mm to 1150mm and has adjustable supports for pack heights of up to a maximum of 1000mm and has a SWL of 1800kg.

- Lifting eye for attaching crane hook
- Automatic load-release mechanism
- Height adjustable supports
- Rubber load-gripping bars
- Optional adaptor for forklift use
- Optional safety net



Model	SWL (Kg)	Jaw Width (mm)	Internal Height (mm)	Weight (kg)
1083.80	1800	400 - 1150	800	200
1083.100	1600	600 - 1150	1000	215

MANHOLE RING CLAMPS

Torsionally rigid, light-weight hollow steel construction for the transportation and placement of manhole rings. The pipe tackle complies with official labour safety regulations and is equipped with a safety lock. Inadvertent slipping of the load through the claws is prevented by a spring on each clamp.

Advantages:

- Clamping range adjustable by a special screw

Model	Load Capacity (Kg)	Clamp Range
1061.1	1500	0-130
1061.2	1500	0-130
1061.3	1500	0-75
1061.4	3000	0-180
1061.5	3000	0-180
1061.6	3000	0-135
1061.7	4000	50-180



HYDRAULIC EQUIPMENT

Hand Pumps For Single-Acting Cylinders	69
Single-Acting Spring Return Universal Cylinders	70
Low-Height And Flat Cylinders Single-Acting, Spring Return	72
High Tonnage Cylinders Single-Acting, Gravity Return	73
Hydraulic Cylinders With Safety Lock Nut Single-Acting, Gravity Return	74
Machine Jacks With Lifting Claw	75
Aluminium Hydraulic Jacks	76
Bottle Jacks	77

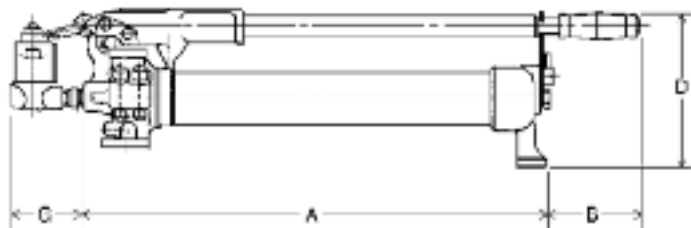
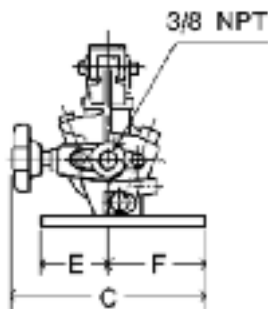
HAND PUMPS FOR SINGLE-ACTING CYLINDERS

Hand pumps are easy to use and operate independently of any external energy source. They are designed for a maximum 700 bar system pressure and will allow each hydraulic cylinder to utilize its maximum capacity. The two-stage system reduces pumping time. Stage 1 allows rapid piston travel under no load or light load conditions. The pump automatically switches to stage 2 when the piston is loaded and a higher force is required from top. The hand pump is an all-steel construction designed for rough use and has a high-efficiency pumping action. The handle can be locked for easy carrying. The large and easy-to-control return valve allows the operator to precisely control the return stroke. Other standard features include a large and easy-to-control hand wheel, air bleeding and oil filling plug, large support feet for stability, tilted tank to increase usable oil volume and ergonomic handle grip.



Features

- Operating pressure max. 700 bar.
- Two-stage operation with automatic switch-over (except HPS-1/0,7 A).
- Large reservoir volumes.
- With pressure relief valves, adjustable from the outside.
- Precision-adjustable relief valve (handwheel).
- Robust all-steel construction.
- HPH pumps are equipped with a 4-way control valve plus a precision-adjustable relief valve.
- Oil port thread 3/8 NPT.
- Incl. oil filling.
- Pressure gauges with corresponding adaptors are also available as accessories

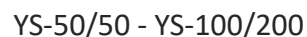
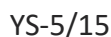


Model	Reservoir Volume (cm ³)	Displacement		Dimensions (mm)						Weight (kg)
		1st Stage (cm ³)	2nd Stage (cm ³)	A	B	C	D	E	F	
HPS-1/0.7 A	700	-	2	505	85	135	150	43	52	7.0
HPS-2/0.3 A	300	5	1	410	100	105	125	35	35	3.5
HPS-2/0.7 A	700	11	2	505	85	135	150	43	52	7.0
HPS-2/2 A	2000	11	2	520	70	145	150	43	52	10.0
HPS-2/4 A	4000	11	2	645	65	160	150	43	52	13.0
HPS-2/6 A	6000	11	2	645	65	215	180	43	52	21.0
HPS-2/10 A	10000	11	2	800	65	250	190	43	52	27.0

Robust construction with long guides allows the units to withstand abuse and better tolerate eccentric and side loading, yet is convenient to use with only one quick-release coupler hose connection and a spring return. Universal cylinders are designed for all jobs where high forces but compact dimensions are required: e.g. straightening steel constructions, removing parts like shafts, axles, lifting, positioning, weighing, supporting, testing as well as for all general assembly and repair applications. Due to the various mounting threads the cylinders can easily be installed in clamping devices, welding fixtures, frame presses etc.



- Capacity 5T - 100T
- Yale ChroMo-Design.
- Operating pressure max. 700 bar.
- Single-acting with spring return.
- Robust design with long piston bearings to withstand eccentric loading.
- Cylinder body and piston are made from solid chromium-molybdenum steel and heat-treated.
- Hard-chromium plated piston with replaceable, heat-treated saddle.
- Metric mounting threads on cylinder collar, in the base and piston rod (5 to 30t).
- Stop ring can bear full capacity (pressure) and is fitted with dirt wiper.
- Interchangeable hardened saddle.
- Dirt wiper protects against dirt.
- Oil port thread 3/8 NPT.
- Incl. female coupler half model CFY-1.
- Model YS-50/100 and YS-50/160 with carrying handle.
- Models YS-50/320 up to YS-100/200 with lifting rings.



SINGLE-ACTING SPRING RETURN UNIVERSAL CYLINDERS, CONTINUED

Model	Capacity (Tonne)	Stroke (mm)	A	B	C	D	E	F	H	J	K	O	P	S	U	V	W	X	Z	Weight (Kg)
YS-5/15	5	15	45	60	45	41	30	25	19	-	-	-	-	-	28.5	2x5.5ø	-	-	5	0.9
YS-5/25	5	25	97	122	92	42	30	26	19	25	5	M20x2	13	-	28	2xM6	23	M42x1.5	5	1.0
YS-5/75	5	75	157	232	152	42	30	26	19	25	5	M20x2	13	-	28	2xM6	23	M42x1.5	5	1.5
YS-5/127	5	127	214	341	209	42	30	26	19	25	5	M20x2	13	-	28	2xM6	23	M42x1.5	5	2.0
YS-5/180	5	180	267	447	262	42	30	26	19	25	5	M20x2	13	-	28	2xM6	23	M42x1.5	5	2.4
YS-10/25	10	25	90	115	88	57	43	38	17	-	3	-	-	-	35	2xM8	27	M57x1.5	5	1.6
YS-10/50	10	50	125	175	119	57	43	38	19	35	6	M27 x 2	17	-	35	2xM8	27	M57x1.5	5	2.1
YS-10/100	10	100	178	278	172	57	43	38	19	35	6	M27 x 2	17	-	35	2xM8	27	M57x1.5	5	2.8
YS-10/150	10	150	250	400	244	57	43	38	21	35	6	M27 x 2	22	-	35	2xM8	27	M57x1.5	-	4.1
YS-10/200	10	200	300	500	294	57	43	38	21	35	6	M27 x 2	22	-	35	2xM8	27	M57x1.5	-	4.7
YS-10/250	10	250	352	602	346	57	43	38	21	35	6	M27x2	22	-	35	2xM8	27	M57x1.5	-	5.5
YS-10/300	10	300	407	707	401	57	43	38	31	35	6	M27x2	22	-	35	2xM8	27	M57x1.5	-	6.3
YS-15/25	15	25	110	135	103	67	52	46	19	40	7	M33x2	19	-	42	2xM10	33	M67 x 1.5	5	2.7
YS-15/50	15	50	140	190	133	67	52	46	19	40	7	M33x2	19	-	42	2xM10	33	M67 x 1.5	5	3.3
YS-15/100	15	100	190	290	183	67	52	46	19	40	7	M33x2	19	-	42	2xM10	33	M67 x 1.5	5	4.3
YS-15/150	15	150	260	410	253	67	52	46	22	40	7	M33x2	25	-	42	2xM10	33	M67 x 1.5	-	5.8
YS-15/200	15	200	310	510	303	67	52	46	22	40	7	M33x2	25	-	42	2xM10	33	M67 x 1.5	-	7.0
YS-15/250	15	250	365	615	258	67	52	46	22	40	7	M33x2	25	-	42	2xM10	33	M67 x 1.5	-	8.0
YS-15/300	15	300	420	720	413	67	52	46	22	40	7	M33x2	25	-	42	2xM10	33	M67 x 1.5	-	9.0
YS-15/350	15	350	472	822	465	67	52	46	22	40	7	M33x2	25	-	42	2xM10	33	M67 x 1.5	-	10.0
YS-23/25	23	25	116	141	113	85	65	56	20	50	3	M40x2	15	-	55	4xM10	40	M85x2	5	5.0
YS-23/50	23	50	150	200	142	85	65	56	22	50	8	M40x2	22	-	55	4xM10	40	M85x2	-	6.0
YS-23/100	23	100	202	302	194	85	65	56	22	50	8	M40x2	22	-	55	4xM10	40	M85x2	-	7.5
YS-23/160	23	160	277	437	269	85	65	56	22	50	8	M40x2	25	-	55	4xM10	40	M85x2	-	10.0
YS-23/210	23	210	330	540	322	85	65	56	22	50	8	M40x2	25	-	55	4xM10	40	M85x2	-	12.0
YS-23/250	23	250	376	626	368	85	65	56	22	50	8	M40x2	25	-	55	4xM10	40	M85x2	-	13.5
YS-23/300	23	300	428	728	420	85	65	56	22	50	8	M40x2	25	-	55	4xM10	40	M85x2	-	15.0
YS-23/345	23	345	477	822	469	85	65	56	22	50	8	M40x2	25	-	55	4xM10	40	M85x2	-	16.5
YS-30/125	30	125	245	370	235	102	75	65	25	50	10	M36x2	25	-	75	4xM10	45	M102x2	-	13.0
YS-30/200	30	200	325	525	315	102	75	65	25	50	10	M36x2	25	-	75	4xM10	45	M102x2	-	17.0
YS-50/50	50	50	170	220	165	125	95	85	29	70	5	4 x M8	-	-	95	4xM12	50	M125 x 2	-	15.0
YS-50/100	50	100	220	320	215	125	95	85	29	70	5	4 x M8	-	51	95	4xM12	50	M125 x 2	-	19.0
YS-50/160	50	160	285	445	280	125	95	85	29	70	5	4 x M8	-	51	95	4xM12	50	M125 x 2	-	24.0
YS-50/320	50	320	460	780	455	125	95	85	29	70	5	4 x M8	-	24	95	4xM12	50	M125 x 2	-	37.0
YS-70/150	70	150	285	435	280	146	112	95	30	80	5	4 x M8	-	24	110	4xM12	60	M146 x 3	-	32.0
YS-70/330	70	330	490	820	485	146	112	95	30	80	5	4 x M8	-	24	110	4xM12	60	M146 x 3	-	52.0
YS-100/100	100	100	275	375	270	180	135	115	60	100	5	4 x M10	-	24	145	4xM12	70	M180 x 3	-	43.0
YS-100/200	100	200	375	575	370	180	135	115	60	100	5	4 x M10	-	24	145	4xM12	70	M180 x 3	-	64.0

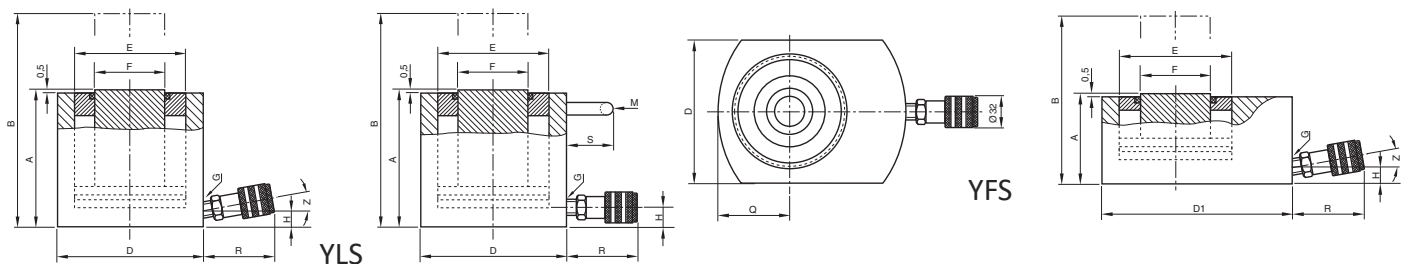
CYLINDERS

LOW-HEIGHT AND FLAT CYLINDERS SINGLE-ACTING, SPRING RETURN

Low-height cylinders are recommended for all lifting, pushing, levelling, pressing applications especially in tight working areas. These very compact hydraulic cylinders are designed for lifting and positioning jobs as well as all general maintenance applications, where low height, portability and light weight are needed. These versatile cylinders are found in all industrial areas like steel mills, civil engineering, heavy construction industry, power plants, off-shore industries etc. Due to their short strokes flat cylinders should not be subjected to side loading.

Features

- Capacity 10T - 100T
- Yale ChroMo-Design.
- Operating pressure max. 700 bar.
- Single-acting with spring return.
- Low height for tight working areas.
- Cylinder body and piston are made from solid chromium-molybdenum steel and heat-treated.
- Stop ring can bear full capacity (pressure) and is fitted with dirt wiper.
- Oil port thread 3/8 NPT.
- Incl. female coupler half model CFY-1.
- Model YL S-100/55 is equipped with two lifting rings model YFS-100/15 comes with a carrying handle.



Model	Capacity (Tonne)	Capacity (kN)	Stroke (mm)	Oil Volume (cm³)	Dimensions (mm)												Weight (Kg)
					A	B	D	D1	E	F	H	M	Q	R	S	Z	
YLS-10/35	10	100	35	51	86	121	70	-	43	38	16	-	-	54	-	10	2.5
YLS-20/45	20	200	45	128	100	145	85	-	60	50	17	-	-	54	-	10	4.0
YLS-30/60	30	300	60	266	120	180	100	-	75	57	19	-	-	54	-	5	6.5
YLS-50/60	50	500	60	426	122	182	125	-	95	75	19	-	-	54	-	5	10.4
YLS-100/55	100	1000	55	788	141	196	170	-	135	120	26	148	-	54	25	-	24.0
YFS-10/11	10	100	11	16	43	54	56	83	43	38	16	-	28	54	-	10	1.5
YFS-20/15	20	200	15	31	60	75	76	95	60	50	19	-	38	54	-	5	3.0
YFS-30/15	30	300	15	66	60	75	96	115	75	57	19	-	48	54	-	5	4.2
YFS-50/15	50	500	15	107	70	85	145	-	95	75	19	-	-	54	-	5	8.7
YFS-100/15	100	1000	15	215	91	106	170	-	135	120	22	85	-	54	55	5	16.0

HIGH-TONNAGE CYLINDERS SINGLE-ACTING, GRAVITY RETURN

These inexpensive cylinders of series YEGA are used for all general lifting applications in any area of industry where heavy loads need to be lifted, lowered, levelled, positioned or supported. Lifting and moving large machinery, steel construction, bridges or similar loads, supporting buildings and foundations. For all heavy-duty jacking applications where a special safety factor is appropriate like lifting and lowering bridges, supporting buildings and foundations, jacking up heavy machines, steel sections, ship modules or similar loads.



Features

- Capacity 140T - 1100T
- Operating pressure max. 700 bar.
- Plunger in special piston guiding bands.
- Hard chromium-plated piston.
- Overflow hole ensures a definite piston end stop.
- Interchangeable hardened saddle.
- Oil port thread 3/8 NPT.
- Incl. female coupler half model CFY-1.
- All cylinders have lifting rings.

Model	Capacity (Tonne)	Stroke (mm)	Oil Vol (cm ³)	Closed Height (mm)	Outside Diameter (mm)	Weight (kg)
YEGA-140/50	140	50	1005	155	200	38
YEGA-140/100	140	100	2010	205	200	51
YEGA-140/150	140	150	3015	255	200	63
YEGA-140/200	140	200	4020	305	200	75
YEGA-140/300	140	300	6030	405	200	100
YEGA-220/50	220	50	1570	170	250	64
YEGA-220/100	220	100	3140	220	250	85
YEGA-220/150	220	150	4710	270	250	104
YEGA-220/250	220	250	7850	370	250	143
YEGA-340/50	340	50	2453	210	310	123
YEGA-340/100	340	100	4906	260	310	154
YEGA-340/150	340	150	7360	310	310	184
YEGA-340/250	340	250	12300	410	310	243
YEGA-430/50	430	50	3079	215	340	125
YEGA-430/100	430	100	6158	265	340	157
YEGA-430/150	430	150	9236	315	340	190
YEGA-430/250	430	250	15394	415	340	255

Model	Capacity (Tonne)	Stroke (mm)	Oil Vol (cm ³)	Closed Height (mm)	Outside Diameter (mm)	Weight (kg)
YEGA-560/50	560	50	4019	240	390	223
YEGA-560/100	560	100	8038	290	390	272
YEGA-560/150	560	150	12058	340	390	319
YEGA-560/250	560	250	20100	440	390	413
YEGA-670/50	670	50	4811	265	430	298
YEGA-670/100	670	100	9621	315	430	355
YEGA-670/150	670	150	14432	365	430	412
YEGA-670/250	670	250	24053	465	430	525
YEGA-880/50	880	50	6280	290	490	423
YEGA-880/100	880	100	12560	340	490	503
YEGA-880/150	880	150	18840	390	490	577
YEGA-880/250	880	250	31400	490	490	725
YEGA-1100/50	1100	50	7949	415	550	766
YEGA-1100/100	1100	100	15896	465	550	867
YEGA-1100/150	1100	150	23845	515	550	960
YEGA-1100/250	1100	250	39741	615	550	1147

CYLINDERS

HYDRAULIC CYLINDERS WITH SAFETY LOCK NUT SINGLE-ACTING, GRAVITY RETURN

Hydraulic cylinders with safety lock nut are recommended when loads have to remain in the lifted position over a period of time. The safety lock nut ensures a positive load hold in any position, and work can be carried out beneath the lifted load. Hydraulic pressure can be released so that cylinders work like mechanical supports. Pumps can be separated from cylinders. Lifting and moving of large machinery, steel construction, bridges or similar loads, supporting of buildings and foundations. For all heavy-duty jacking applications where a special safety factor is appropriate like lifting and lowering bridges, supporting buildings and foundations, jacking up heavy machines, steel sections, ship modules or similar loads.

Features

- Capacity 30T - 1100T
- Operating pressure max. 700 bar.
- Single-acting, gravity return.
- Generous guiding bands ensure a robust piston guiding.
- Hard chromium-plated piston with trapezoidal thread.
- Overflow hole ensures a definite piston end stop.
- Interchangeable hardened saddle.
- Oil port thread 3/8 NPT.
- Incl. female coupler half model CFY-1.
- All cylinders have lifting rings.



Model	Capacity (Tonne)	Stroke (mm)	Oil Vol (cm³)	Closed Height	Outside Diameter	Weight (kg)
YELA-30/50	30	50	221	169	100	10.5
YELA-30/100	30	100	442	219	100	13.5
YELA-30/150	30	150	663	269	100	17.5
YELA-30/200	30	200	885	319	100	19.5
YELA-300/300	30	300	1325	419	100	26
YELA-50/50	50	50	355	155	125	15
YELA-50/100	50	100	710	205	125	20
YELA-50/150	50	150	1063	260	125	25
YELA-50/200	50	200	1420	310	125	30
YELA-50/300	50	300	2130	415	125	40
YELA-93/50	100	50	663	180	170	31
YELA-93/100	100	100	1389	230	170	40
YELA-93/150	100	150	2654	285	170	50
YELA-93/200	100	200	3980	335	170	59
YELA-93/300	100	300	3980	440	170	78
YELA-140/50	140	50	1005	201	200	49
YELA-140/100	140	100	2010	251	200	61
YELA-140/150	140	150	3015	311	200	76
YELA-140/200	140	200	4020	361	200	88
YELA-140/300	140	300	6030	471	200	115
YELA-220/50	220	50	1570	208	250	79
YELA-220/100	220	100	3140	258	250	98
YELA-220/150	220	150	4710	318	250	121
YELA-220/200	220	250	7850	433	250	165

Model	Capacity (Tonne)	Stroke (mm)	Oil Vol (cm³)	Closed Height	Outside Diameter	Weight (kg)
YELA-340/50	340	50	2453	238	310	139
YELA-340/100	340	100	4906	288	310	169
YELA-340/150	340	150	7360	348	310	204
YELA-340/200	341	250	12300	458	310	269
YELA-430/50	430	50	3078	250	340	175
YELA-430/100	430	100	6157	300	340	210
YELA-430/150	430	150	9232	365	340	258
YELA-430/250	430	250	15400	480	340	338
YELA-560/50	560	50	4019	280	390	263
YELA-560/100	560	100	8038	330	390	310
YELA-560/150	560	150	12058	395	390	370
YELA-560/250	560	250	20100	510	390	478
YELA-670/50	670	50	4809	305	430	343
YELA-670/100	670	100	9621	355	430	400
YELA-670/150	670	150	14425	420	430	473
YELA-670/250	670	250	24100	535	430	604
YELA-880/50	880	50	6280	325	490	474
YELA-880/100	880	100	12560	375	490	548
YELA-880/150	880	150	18840	440	490	643
YELA-880/250	880	250	31400	555	490	813
YELA-1100/50	1100	50	7949	340	550	681
YELA-1100/100	1100	100	15896	420	550	773
YELA-1100/150	1100	150	23845	485	550	894
YELA-1100/250	1100	250	39741	600	550	1107

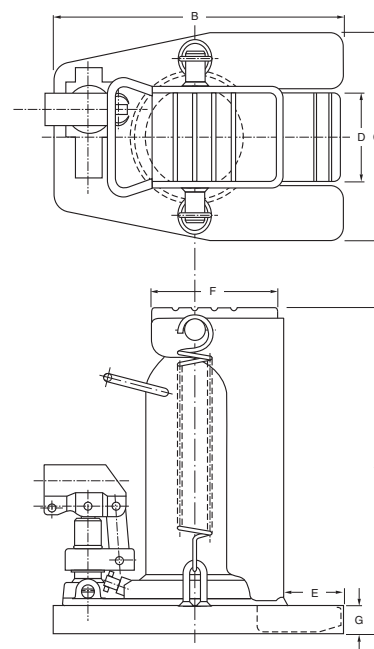
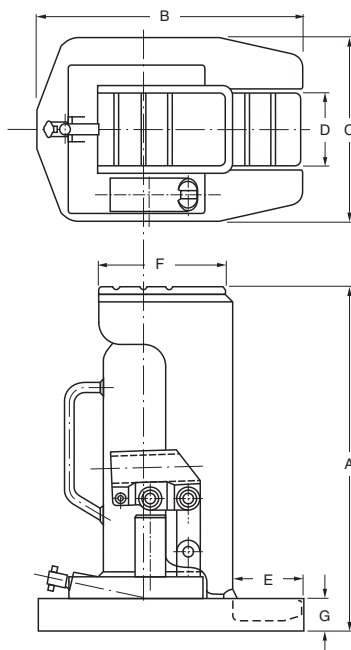
MACHINE JACKS WITH LIFTING CLAW

Machine jacks with lifting claw are used in applications where space below the load is restricted, thus preventing the use of traditional lifting equipment. Typical applications for machine jacks are lifting, positioning and transportation of machines, heavy steel constructions or similar loads, as well as general repair and assembly applications. The jacks are also useful for applications like leveling of high-rise warehouses, heavy-duty scaffolds, large frameworks etc.



Features

- Capacity 2T - 15T
- Offers safe lifting of machines with an extremely low clearance.
- Incl. safety pressure valve to prevent overload.
- Large base offers increased stability under load.
- Pump lever can rotate through 270° (excluding YAM-2).
- Same load can be lifted on either the head or the claw of jack.
- Spring return of the lifting claw (only YAM-5 and YAM-10).
- Precision-adjustable lowering valve.
- Jacks are supplied ready to use incl. pump lever, and are filled with oil.



Model	Capacity (Tonne)	Stroke (mm)	Dimensions (mm)							Weight (Kg)
			A	B	C	D	E	F	G	
YAM - 2	2.0	113	235	180	125	50	50	85	16	8.0
YAM - 5	5.0	120	290	257	182	75	57	117	26	19.0
YAM - 10	10.0	145	325	280	240	100	60	150	33	38.0
YAM - 15.1	15.0	140	344	321	258	110	60	168	33	53.0

JACKS

ALUMINIUM HYDRAULIC JACKS

Aluminium jacks combine light weight with high lifting capacity. The use of high tensile aluminium alloy allows lifting capacities of up to 100 tons resulting in a very favourable 1.8 tons lifting capacity per 1 kg weight ratio. Operation of Yale hydraulic jacks is very simple. Jacks are supplied ready for use, i.e. including hydraulic oil, operating lever and, where applicable, carrying handle and lifting claw.



Aluminium jacks with lifting claw

Jacks from 20 tons are available with a lifting claw. In this case the jacks are provided with an elongated base plate. The max. permissible working load of the lifting claws is 40 % of the jack capacity.

Aluminium jacks with safety lock nut

Jacks from 20 tons can be supplied with a safety lock nut. This device allows absolute safe jacking over a long period. In this case the hydraulic jack can be operated like a mechanical support and the hydraulic system can be totally released.

Application

Hydraulic jacks are universally popular tools for use in workshops or on site for all kinds of lifting and assembly applications, for construction, shipbuilding, power plants, general engineering, metal fabrication and many more. Applications are unlimited. Standard jacks with plain piston and jacks with safety lock nuts cannot be used with a lifting claw. To increase stability, all jacks with long stroke (305 mm) are equipped with an elongated base plate.

Features

- Capacity 6.5T - 100T
- Strokes from 75mm - 305mm
- Extremely low weight.
- The 6.5 and 10 tons jacks can be operated in any position (also upside down) and are equipped with spring return piston and stop ring.
- The 20 to 100 tons jacks can be operated vertically or with front face in horizontal position.
- All jacks are provided with an overload protection valve.
- From 20 tons capacity with additional mechanical stroke limiter.
- All jacks with hardened alloy steel saddle and sensitive lowering valve which is activated by the operating lever.

Model	Capacity (Tonne)	Capacity With Claw (Tonne)	Stroke (mm)	Overall Height (mm)	Base Plate (mm)		Height of Lifting Claw Min. (mm)	Weight	
					Without Claw	With Claw		Without Claw (Kg)	With Claw (Kg)
AJS-65	6.5	-	75	131	159 x 76	-	-	3.6	-
AJS-104	10.0	-	115	182	171 x 76	-	-	6.3	-
AJH-620	20.0	8	152	265	180 x 120	250 x 120	67	10.9	14.5
AJH-1220	20.0	8	305	440	250 x 120	250 x 120	67	16.7	22.2
AJH-630	30.0	12	152	265	200 x 140	275 x 140	72	15.4	20.3
AJH-1230	30.0	12	305	452	275 x 140	275 x 140	72	23.4	31.0
AJH-660	60.0	24	152	293	250 x 190	340 x 190	72	27.4	43.1
AJH-1260	60.0	24	305	500	340 x 190	340 x 190	72	43.7	64.9
AJH-6100	100.0	-	152	315	305 x 250	-	-	49.0	-

BOTTLE JACKS

Universal jacks supply high forces for general operations like lifting, pushing, moving and supporting of all kind of loads.

Features

- Capacity 2T-50T
- Robust, long life design.
- Pressure relief valve
- Precise controlled lowering.
- Additional screw extension of the piston (up to 20 t).
- Grooved saddle.
- Large base plates for increased stability.
- Model JH-50-2 with two-stage pump.
- Incl. operating lever.



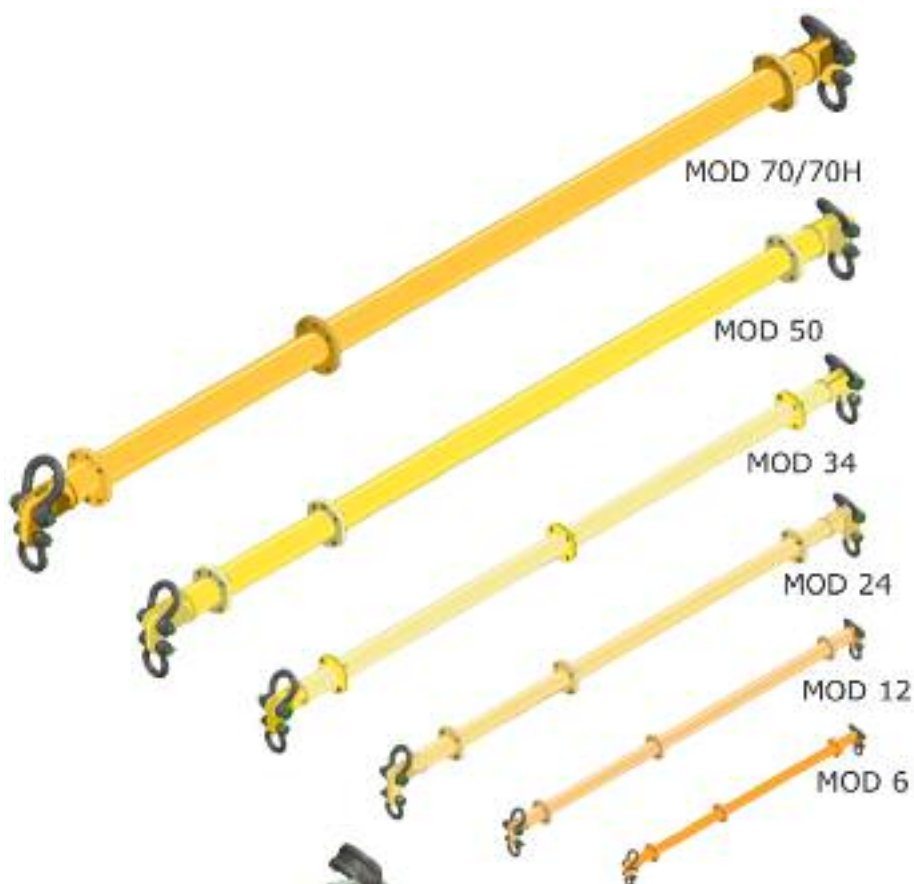
Model	Capacity (Tonne)	Lift (mm)	Additional Screw Extension (mm)	Closed Height (mm)	Base Plate (mm)	Pump	Weight (Kg)
JH-2 B	2	115	50	181	90 x 95	1 st Stage	2.7
JH-4 B	4	126	60	205	115 x 110	1 st Stage	3.7
JH-6 B	6	130	75	219	115 x 110	1 st Stage	4.7
JH-8 B	8	152	70	225	120 x 120	1 st Stage	5.7
JH-12 B	12	153	80	240	140 x 130	1 st Stage	8.0
JH-20 B	20	153	80	240	160 x 155	1 st Stage	11.0
JH-30	30	180	-	280	210 x 180	1 st Stage	22.0
JH-50-2	50	178	-	305	255 x 190	2 nd Stage	53.0

5. SPREADER BEAMS & WIRE ROPE SLINGS

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Lifting Beams	82
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Wire Rope Grommets	83

MODULIFT SPREADER BEAMS

Modulift offer a wide range of Modular Spreader Beam components, offering a variety of different spans for all your lifting needs. The sizes range from 2t to 5,000t with spans available from 0.4m / 1'4" - 100m / 300'. The flexibility of the modular configuration enables our Spreader Beams to be reused time and time again, providing a cost-effective solution.

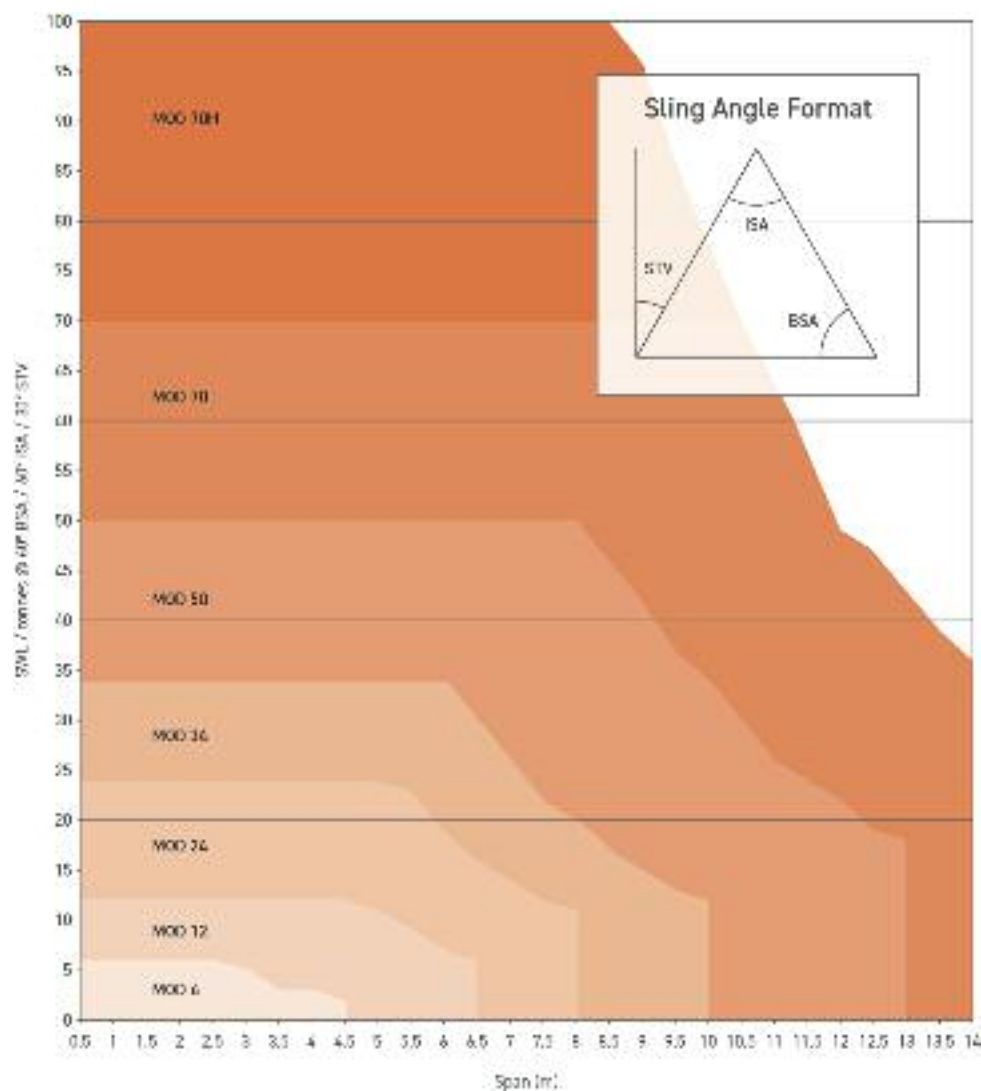


What Size Beam Do I Need?

Simple! First select the span you require, then select the SWL you need for that span. Please see the tables on pages 80 & 81 to select your beam.



Modulift® SPREADER BEAMS



MOD 6



TOP: 4.75t
LOWER: 3.25t

MOD 12



TOP: 18.5t
LOWER: 6.5t

MOD 24



TOP: 17t
LOWER: 12t

MOD 34



TOP: 29t
LOWER: 17t

MOD 50



TOP: 39t
LOWER: 25t

MOD 70/H

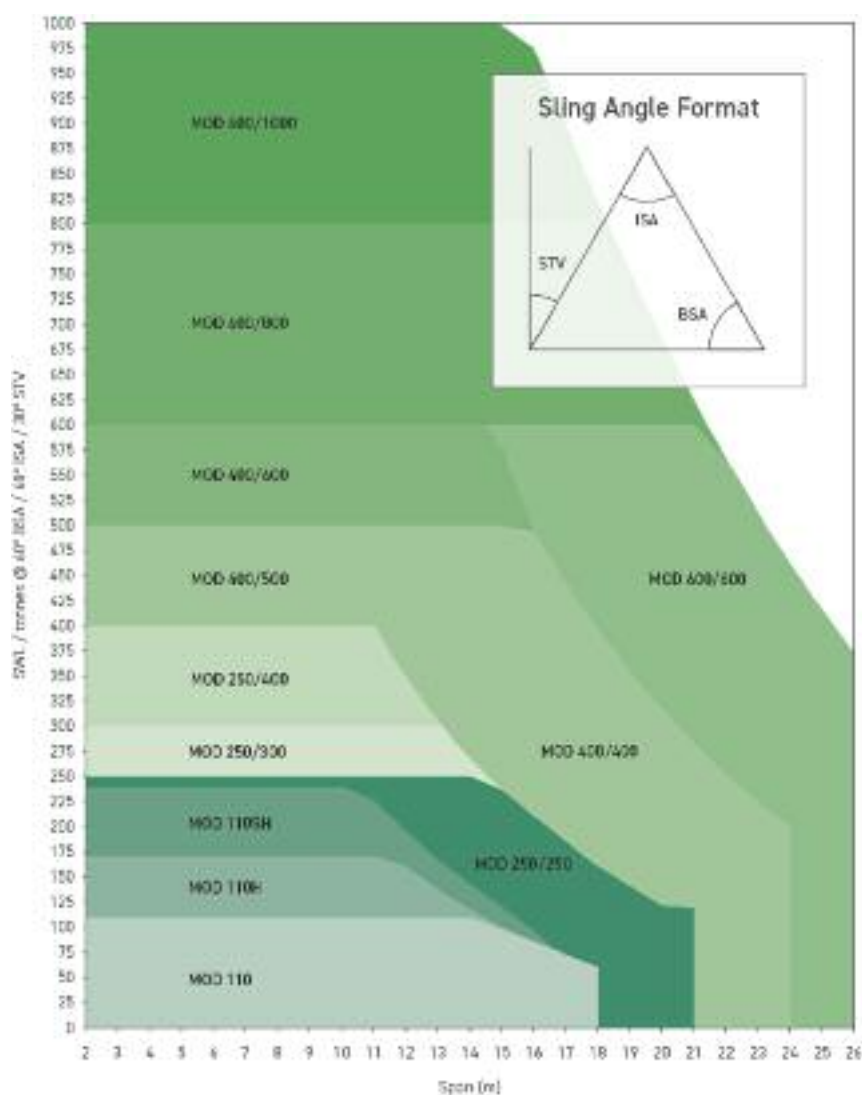


TOP: 58t/88t
LOWER: 35t/55t

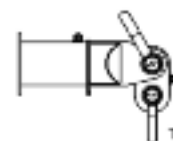
Components per set

Please note: Custom length struts are available on request

Spreader Beam System	Strut														End Unit	Drop Link
	0.1	0.2	0.25	0.3	0.5	0.6	0.75	1.0	1.5	2.0	3.0	4.0	6.0			
MOD 6	1	1		1		1		4						2	2	
MOD 12			1		1		1	1	3					2	2	
MOD 24					1			1		3				2	2	
MOD 34					1			1		4				2	2	
MOD 50					1			2		1		2		2	2	
MOD 70 / 70H					1			1		2		2		2	2	
MOD 110 / 110H					1			1		2		3		2	2	
MOD 110SH					1			1		1		3		2	2	
MOD 250-250 / 250-300 / 250-400								1		2	1		2	2	2	
MOD 400-400 / 400-500 / 400-600					1			1		1	1		3	2	2	
MOD 600-600 / 600-800 / 600-1000					1			1		1	1		3	2	2	



MOD 110/H/SH



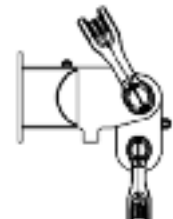
TCP: 85t/120t/150t
LOWER: 55t/85t/120t

MOD 250



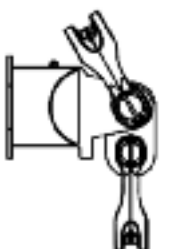
TCP: 200t - 300t
LOWER: 125t to 200t

MOD 400



TCP: 300t to 400t
LOWER: 200t to 400t

MOD 600+



TCP: 300t to 600t
LOWER: 200t to 500t

Weight per set (Kgs)

Weight based on heaviest spreader in series using configuration recommended in user instructions

	MOD 6	MOD 12	MOD 24	MOD 34	MOD 50	MOD 70, 70H	MOD 110, 110H	MOD 110SH	MOD 250	MOD 400	MOD 600
Max Component Weight	8.1	19	41	51	140	240	367	444	860	1365	2665
Min Component Weight	0.6	1.3	5	7	11	17 / 32	44 / 55	63	90	135	135
Weight at Max Span	32	75	178	290	532	972 / 1090	1970 / 2130	2628	4895	8260	17260

BEAMS AND SLINGS

LATTICE BEAMS

Lattice Spreader Beams are ideal for long, light loads where a Spreader Beam is deemed too short for the lift. The Lattice Spreader Beam has been designed to be lightweight so as to allow for easy transportation and storage as well as being a cost-effective piece of Lifting Equipment. The Modular Lattice Spreader Beam has a capacity of 3 and 9 Tonne, and a maximum span that can lift roof sheets up to 36 metres long. Lattice Spreader Beams are ideal for long, light loads that require multiple support points along its length, for example; roof sheet bundles require support along its length because they are fragile when lifted.



- 3 Tonne and 9 Tonne safe working load (UDL) beams available
- Lengths from 6m – 36m in 3m increments
- Available with multiple lifting points per section
- The Lattice beam is ideal for lifting long roof sheets or pipe lines.
- Comes with top slings / bottom slings and shackles.
- We can assemble on site
- Please ask for further details

LIFTING BEAMS

Lifting beams are generally used where head height is an issue or when the user needs multiple or adjustable lugs, top and bottom. Generally made to order these beams offer an inexpensive solution when a standard beam will not work.

Tusk has range of lifting beams in its hire fleet ready for go but we can design, fabricate and test any bespoke beam requirements you may have.



- Range from 1 Tonne – 100 Tonne
- Standard lengths from 1m – 10m
- Bespoke design available
- Available for hire or purchase
- One or two point top lifting
- Multi / Adjustable bottom lifting lugs
- Ideal for low head height restrictions
- Please ask for further details

MODULAR SPREADER FRAMES

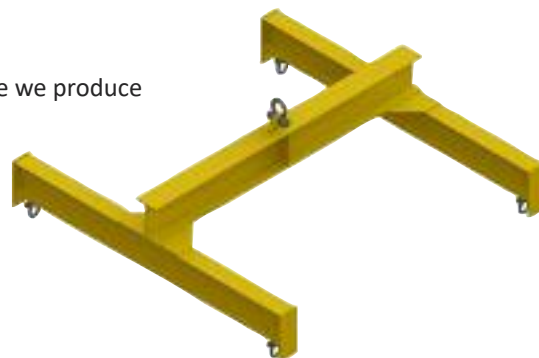
- Easier to transport than fixed frames
- Easy to set up and handle
- Countless combinations
- Corner plate design allows the shackle to rotate to suit the angle of the sling
- 6, 8 and 10 lifting points are also achievable
- Full configurations are available



LIFTING FRAMES

Tusk can design, fabricate and test any bespoke solution. The technical package we produce pre and post fabrication is second to none.

- Range from 1 Tonne – 200 Tonne
- Bespoke design available
- Available for hire or purchase
- Please ask for further details



WIRE ROPE SLINGS

- We carry huge stock levels of wires ranging from 1 tonne to 300 tonne
- We carry various lengths from 1m to 22m in all tonnages
- All wire rope slings can be hired or purchased to suit individual requirements
- All wire ropes are available with soft eye or hard eye terminations
- Wire ropes can be made up in 2, 3 & 4 leg assemblies



IWRC Wire Diameter (mm)	SWL Single Leg (Tonne)	Standard EWL Range (Metre)	Weight Per Metre (Kgs)
38	18.6	1-20	5.3
40	20.6	1-20	6.4
44	24.8	1-20	8
48	30	1-20	9.4
52	34.8	1-20	11
56	45	1-20	13
64	55	1-20	17
71	70	1-20	20
76	80	1-20	23.8
83	100	1-20	28
90	125	1-20	35
102	160	1-20	41.25

WIRE ROPE GROMMETS

An endless cable laid grommets is the manufacture of a continuous length of wire rope with a steel core formed to make a body composed of six outer ropes around the core. The rope ends of a cable-laid grommet are tucked into the body forming the core with the truck position opposite to the core butt position. The final resulting sling is an endless wire rope sling with no visible join. The length of the grommet circumference shall be at least five times the grommet lay length, the core butt position shall be clearly marked red. At this point the grommet should never be loaded or bent. This variation of slings has many merits, i.e. the capability of the sling is very flexible and easier to sling.



- Wire rope Grommets can be made to 1000te capacity
- Long lengths can be made up
- Ideal for heavy lifts

HEIGHT SAFETY & MAN RIDING

Harnesses	85
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Man Riding	97

REAR DEE HARNESS

The RGH1 harness is a basic access harness fitted with a rear dee only. This harness is used primarily with a fall arrest lanyard, to provide an operative with basic fall protection. When used in conjunction with a "twin leg lanyard", the harness can be used for tower climbing, scaffold and general steel erecting, as the twin leg lanyard would provide continuous attachment through "double clipping".

The harness is fully adjustable and is fitted with rip stitch indicators.



Data

Accredited to:	EN 361:2002
Web Material:	45mm water repellent polyester.
Fittings:	High tensile steel alloy
Weight:	0.95kg
Features:	Rear attachment point, rip stitch indicators

FRONT AND REAR DEE HARNESS

The RGH2 harness is the "workhorse" of the industry. The harness is fitted with a rear dee and a chest mounted front dee. Utilising the front dee, the harness can be fitted with a rope and grab system for vertical fall protection when an operative is making repeated ascents or similarly, when restraint/work-positioning is needed in either the vertical or horizontal plane.

The harness is fully adjustable and is fitted with rip stitch indicators. The ring connection between the chest and the shoulder straps ensure no stress loading when force is applied to the front dee ring.



Data

Accredited to:	EN 361:2002
Web Material:	45mm water repellent polyester.
Fittings:	High tensile steel alloy and steel
Weight:	1.15kg
Features:	Rear and front attachment point, rip stitch indicators

HARNESSES

RGH2 ADVANCED

The RGH2 Advanced harness is fitted with a comfort back pad and leg straps which make for easy donning and extra comfort for periods of long use. The harness is fitted with a Rear Dee and a chest mounted front dee. This harness can be used like the RGH1 (see data sheet), but has the added feature of the front dee ring to extend the working capability of the harness. Utilizing the front dee, the harness can be fitted with a rope and grab system (RGA12) for vertical fall protection when an operative is making repeated ascents or similarly, when restraint /work-positioning is needed in either the vertical or horizontal plane. A variety of other devices can be used with the front dee ring, but please check for suitability. The harness is fully adjustable and is fitted with rip stitch indicators. The ring connection between the chest & the shoulder straps ensure no stress loading when force is applied to the front dee ring.



Data

Accredited to:	EN 361:2002
Web Material:	45mm water repellent polyester.
Fittings:	High tensile steel alloy
Weight:	2kg
Features:	Rear and Front Attachment Point, Rip Stitch Indicator, Comfort Back Pad

FRONT AND REAR DEE HARNESS C/W SIDE DEE'S

The RGH4 includes all of the features of the RGH1-2 harnesses. This comfortable harness is designed for operatives who spend a lot of time working at height and in exposed areas. The RGH4 is a "multi task" harness and will allow operatives to access almost any area in safety, using a combination of the RidgeGear products available. As with the RGH2, this harness is suitable for use in performing rescues from height using the RGR4 rope rescue kit.

As with the RGH3, the wide belt fitted to the RGH4 is comfortable and provides lumbar support to the operative.

The harness is fully adjustable and is fitted with rip stitch indicators. The ring connection between the chest and the shoulder straps ensure no stress loading when force is applied to the front dee ring.



Data

Accredited to:	EN 361:2002 & EN 358:1999
Web Material:	45mm water repellent polyester.
Fittings:	High tensile steel alloy
Weight:	1.75kg
Features:	Front, rear and side attachment points, rip stitch indicators, gear loops

FRONT AND REAR DEE RESCUE HARNESS

The RGH5 is designed for use as a confined access harness. The front and rear attachment points can be used as standard fall arrest points and the rescue strap can be used for lifting and lowering. When used, the rescue strap keeps the operative in a near vertical position, which is preferred when recovering an unconscious casualty. This harness is used throughout the industry in conjunction with a tripod and a winch unit to access confined spaces, vertical shafts, sewers and silos. As with all of the RidgeGear harnesses, the RGH5 is suitable for use with fall arrest/recovery blocks.

The harness is fully adjustable and is fitted with rip stitch indicators.



Data

Accredited to:	EN 361:2002 & EN 1497:2007
Web Material:	45mm water repellent polyester.
Fittings:	High tensile steel alloy
Weight:	1.45kg
Features:	Rear and front attachment point, Rescue strap, rip stitch indicators

FRONT AND REAR DEE MULTITASK SIT SUSPENSION HARNESS C/W SIDE DEE'S

The RGH16 is a further innovation of the RidgeGear range of safety harnesses. For fall arrest the harness comprises front and rear dee rings. In addition there is the added benefit of 2 side work positioning dee rings on a comfortable support pad, and a further ventral front dee ring positioned at the waist for sit suspension and/or work positioning. This comfortable harness is designed for operatives who spend long hours working at height and in exposed areas. The RGH16 is a "multi task" harness and will allow operatives to access almost any area in safety using a combination of the RidgeGear products available.

The belt is also fitted with three gear loops for carrying tools leaving the hands free, thus maintaining the required three points of contact when climbing.



Data

Accredited to:	EN 361:2002, 358:1999 & 813:1997
Web Material:	45mm water repellent polyester.
Fittings:	High tensile steel alloy
Weight:	2kg
Features:	Front, rear, side and ventral attachment points, gear loops, Leg support pads, Adjustable height waist belt, Quick click fittings on leg straps

LANYARDS

SHOCK ABSORBER WEB LANYARD

The RGL1 is supplied in two standard lengths: **1.3 M** and **1.8 M**

The RGL1 lanyard is an industry standard, and normally the minimum equipment issued with a harness for working at height. The “Soft Edge” webbing used in the manufacture provides greater strength, wear and shear resistance compared to other webbing. It is also treated with a water repellent coating which should extend the life of this product.

This lanyard should be used when the operative is working from a static position, connected to a fixed anchor point. If movement between anchorages is required, a twin leg lanyard should be used to provide constant protection.



Data

Accredited to:	EN 354: 2010 and EN 355 : 2002
Web Material:	26mm water repellent polyester webbing 37kN.
Fittings:	RGK1 and any compatible connectors
Weight:	0.4kg
Features:	Fitted with shock absorber pack.
Max Arrest Force:	< 6kN

SHOCK ABSORBER TWIN LEG WEB LANYARD

The RGL3 is supplied in two standard lengths: **1.3 M** and **1.8 M**

The RGL3 is a twin leg lanyard. With the same specifications as the RGL 1, the extra leg allows movement between anchorage points by means of double clipping. This system is generally used for tower climbing, steel erecting, scaffolding and maintenance on open structures. When used in conjunction with two Girder Slings, the RGL3 can be used as a means of progression through suitable structures where no fixed lifeline or eyebolts are available. The “Soft Edge” webbing used in the manufacture provides greater strength, wear and shear resistance compared to other webbing. It is also treated with a water repellent coating which should extend the life of this product.



Data

Accredited to:	EN 354:2010 and EN 355:2002
Web Material:	26mm water repellent polyester webbing.
Fittings:	RGK1 and any compatible connectors
Weight:	0.5kg
Features:	Fitted with shock absorber pack.
Max Arrest Force:	< 6kN

WEB / ROPE LANYARD FOR RESTRAINT PURPOSES ONLY

The RGL5 (Web) and RGL5R (Rope) are two different types of restraint lanyard, and is supplied in any length up to 2m to act as a leash for an operative working at height to prevent the possibility of risk of a fall.

It is important to understand the principles of “fall restraint” as the RGL5 and RGL5R can only be used for Fall Restraint, as there is no shock absorption built into the system. If there is any possibility of an operative falling, a Fall Arrest product must be used.

The “Soft Edge” webbing used in the manufacture of the RGL5 provides greater strength, wear and shear resistance compared to other webbing. It is also treated with a water repellent coating which should extend the life of this product.

These lanyards should never be used to extend another fall arrest product.



Data

Accredited to:	EN 354: 2010
Material:	WEB - 26mm Water repellent polyester. ROPE - 11mm Kernmantle Rope
Fittings:	N/A
Weight:	0.15kg
Max Arrest Force:	RESTRAINT ONLY

SHOCK ABSORBER ELASTICATED LANYARD

Very popular on the European mainland, the RGL6 is supplied in two lengths measured at full expansion: **1.3 M** and **1.8 M**

A general-purpose lanyard used when the operative is working from a static position connected to a fixed anchor point. If movement between anchorages is required, a twin leg lanyard should be used to provide constant protection.

The elasticsation in the lanyard reduces the amount of hanging slack in the lanyard, which can be helpful when working in tight spaces to help reduce trip hazards and entanglement.



Data

Accredited to:	EN 354: 2010 and EN 355: 2002
Web Material:	36mm water repellent polyester.
Fittings:	RGK1 and any compatible EN362 connectors
Weight:	0.15kg
Features:	Expanding elasticated lanyard
Max Arrest Force:	< 6kN

LANYARDS

SHOCK ABSORBER TWIN LEG ELASTICATED

The RGL9 has a similar specification to the RGL6, and is supplied in two lengths measured at full expansion: **1.3 M** and **1.8 M**

The RGL9 is a twin leg lanyard, the extra leg allows movement between anchorage points by means of double clipping. This system is generally used for tower climbing, steel erecting, scaffolding and maintenance on open structures. When used in conjunction with two Girder Slings, the RGL9 can be used as a means of progression through suitable structures where no fixed lifeline or eyebolts are available. The elasticsation in the lanyard reduces the amount of hanging slack in the lanyard, which can be helpful when working in tight spaces to help reduce trip hazards and entanglement.



Data	
Accredited to:	EN 354: 2010 and EN 355: 2002
Web Material:	36mm water repellent polyester.
Fittings:	RGK1 and any compatible EN362 connectors
Weight:	0.5kg
Features:	Fitted with shock absorber pack
Max Arrest Force:	< 6kN

ADJUSTABLE RESTRAINT WEB LANYARD

The RGL12 is an adjustable restraint lanyard, and various lengths are available to act as a leash for an operative working at height. The adjustability of the product ensures that the correct length can be selected for the task in hand.

It is important to understand the principles of “fall restraint” as the RGL12 can only be used for Fall Restraint, as there is no shock absorption built into the system. If there is any possibility of an operative stepping/falling over an exposed edge, or falling through a fragile surface, a Fall Arrest product should be used. The 40kN webbing used in the manufacture provides greater strength compared to other webbing and systems.

The RGL12 should never be used to extend another fall arrest product.



Data	
Accredited to:	EN 354:2010
Web Material:	26mm water repellent 37kN polyester web.
Fittings:	Steel adjuster only - supplied without connectors unless stated otherwise
Weight:	0.15kg
Features:	Adjustable
Max Arrest Force:	RESTRAINT ONLY

KINETIC™ TOOL LANYARD

The RTLK3 is a twin tool lanyard with a Kinetic™ and a standard, both with choke loops for tool attachment and an 'O' ring on the Kinetic™ for retention of a tool. The Kinetic™ is suitable for tools up to 10kg in weight, the standard 3kg. Kinetic™ is our unique webbing specially designed and developed to reduce the potentially devastating shock involved in the event of a fall. It was originally developed for our fall arrest lanyards but the principle is exactly the same and equally important in the event of a falling tool. A Kinetic™ tool lanyard significantly reduces the risk of a dropped tool dragging the user off a platform and, because the deployed distance is less than the shock pack tool lanyard, it can reduce the risk below too.



Data	
Length:	Kinetic 1.25 metres / Standard 1.22 metres
Material:	25mm / 20mm Water Repellent Polyester.
Webbing Strength:	> 1000kg
Weight:	0.85kg
Tool Attachment:	210mm choke loop x2 and 50mm 'O' ring

RETRACTABLE ENERGY ABSORBING LANYARD, MINI BLOCK 2.5M

The RGA1 is a retractable mini web block ideal for personal issue to operatives working at height. The unit is designed to be connected and worn directly on a fall arrest harness.

The RGA1 has an almost instant "lock off" in the event of a fall and recoils into the drum when slack is introduced into the lanyard. The reduced trip hazard and compact design make this unit ideal for tight work and tasks where a shorter arc of mobility is required. The RGA1 can also be fitted to most horizontal lifelines, but always check with the manufacturer prior to fitting.

The RGA 1 has a working length of: **2.5m**



Data	
Accredited to:	EN 360
Web Material:	47mm 40kN polyester web.
Fittings:	Steel adjuster
Weight:	1.4kg
Features:	Built-in shock pack
Max Arrest Force:	RESTRAINT ONLY

INERTIA BLOCKS

MULTIPURPOSE FALL ARREST BLOCK 10M

The RGA2 is a multipurpose fall arrest block, which allows uninhibited movement during normal working activity. The carrying handle is part of the cast alloy housing and can be connected to the anchorage point using soft slings or a karabiner.

The RGA2 is used throughout the industry to provide semi permanent protection in work areas, and is also used on lorry sheeting gantries in conjunction with a beam trolley.

The RGA2 has a working length of: **10m**



Data

Accredited to:	EN 360
Cable Spec:	5mm Galvanized Steel Wire Rope
Connector:	Double action. High tensile steel alloy
Weight:	6.5kg
Features:	Fall indicating connector
Size mm:	L 325 x W 200 x D 80
Max Arrest Force:	< 6 kN
Approx Arrest Dist:	0.5m

MULTIPURPOSE FALL ARREST BLOCK 15M

The RGA3 is a robust fall arrest block, and the “big brother” of the RGA2. With its longer working length and heavier construction, the RGA3 has been used successfully by the offshore industry for years. The carrying handle of the RGA 3 is part of the cast alloy housing and can be connected to the anchorage point using soft slings or a karabiner.

The RGA3 is suitable for use in most industries to provide protection in work areas with overhead anchorage points.

The RGA3 has a working length of: **15m**



Data

Accredited to:	EN 360
Cable Spec:	5mm Galvanized Steel Wire Rope
Connector:	Double action. High tensile steel alloy
Weight:	10.5kg
Features:	Fall indicating connector
Size mm:	L340 x W228 x D80
Max Arrest Force:	< 6 kN
Approx Arrest Dist:	0.5m

3 WAY FALL ARREST AND RECOVERY BLOCK

The RGA4 is a three way retrieval block fitted with an up/down winch mechanism and the standard fall arrest capability. This unit can be used as a standard fall arrest block, but in the event of a fall, the operative can be winched up or down to safety almost immediately. As most rescue systems lower the casualty, the RGA4 can raise the operative to a safe area, if the area below is unsuitable.

The RGA4 can also be fitted to a tripod for use in the confined access industry, as it can lower a worker into an area where no ladders are fitted.

The RGA4 has a working length of: **15m**



Data	
Accredited to:	EN 360: 1992 and EN 1496: 1996 A, B
Cable Spec:	5mm Galvanized Steel Wire Rope
Connector:	Double action. High tensile steel alloy
Weight:	11.4kg
Features:	Fall indicating connector. Retrieval system.
Size mm:	L340 x W258 x D80
Max Arrest Force:	< 6 kN
Approx Arrest Dist:	0.5m

LIGHTWEIGHT FALL ARREST BLOCK 5M

The RGA5 is a compact, robust, yet lightweight fall arrest block. This unit does not have an integral handle, but is fitted with an alloy swivel eye for connection to an anchorage via a karabiner. Due to its low weight, this device is ideal for use with certain horizontal lifelines.

As a general-purpose fall arrest block, the RGA5 has proved its worth in the industry. Fitted with webbing instead of wire, this block is suited for work in and around fragile components i.e.; aircraft industry and glass lined vessels.

The RGA5 has a working length of: **3.35m**



Data	
Accredited to:	EN 360, ANSI Z359. 1-1992, CSA Z259.2.2-98
Web Spec:	28mm Multi panel polyester. MBS 2350kg.
Connector:	Triple action. High tensile steel alloy
Weight:	2kg
Features:	Rip stitch indicator
Size mm:	L170 x W120 x D75
Max Arrest Force:	< 6 kN
Approx Arrest Dist:	1.2m

HARNESS KITS

BASIC HARNESS KIT

The RGHK1 kit comprises of :-

- RGH2 Front and Rear “D” Harness
- RGL1 1.8m Lanyard C/W RGK1 Karabiner

Data	
Accredited to:	EN 361 EN 354 and EN 355
Weight:	1.15kg (harness only)
Features:	Front and Rear attachment points, Rip stitch indicators, Light weight.



SCAFFOLDERS HARNESS KIT

The RGHK2 kit comprises of :-

- RGH2 Front and Rear “D” Harness
- RGL1 1.8m Lanyard C/W RGK11 Scaffold Karabiner

Data	
Accredited to:	EN 361 EN 354 and EN 355
Weight:	1.15kg (harness only)
Features:	Front and Rear attachment points, Rip stitch indicators, Light weight.



TWIN LEG SCAFFOLDERS HARNESS KIT

The RGHK4 kit comprises of :-

- RGH2 Front and Rear “D” Harness
- RGL3 Twin Leg 1.3m Lanyard C/W RGK11 Scaffold Karabiner

Data	
Accredited to:	EN 361 EN 354 and EN 355
Weight:	1.15kg (harness only)
Features:	Front and Rear attachment points, Rip stitch indicators, Light weight.



IPAF HARNESS RESTRAINT KIT

The RGHK5 kit comprises of :-

- RGH2 Front and Rear “D” Harness
- RGL12 Adjustable Restraint Lanyard C/W RGK1 Karabiners

Data	
Accredited to:	EN 361 and EN 354
Weight:	1.15kg
Features:	Front and Rear attachment points, Rip stitch indicators, Water Resistant Webbing, Light weight.



***Storage bags featured in kit photos are supplied separately**

RETRACTABLE WIRE ROPE FALL ARREST BLOCK

- Conforms to EN 360:2002
- 6 metre (Model: FA 20 400 06)
- 10 metre (Model: FA 20 400 10)
- 15 metre (Model: FA 20 400 15)
- 20 metre (Model: FA 20 400 20)
- 25 metre (Model: FA 20 400 25)
- 30 metre (Model: FA 20 400 30)
- Outer casing made from high impact resistant polymer
- Minimum breaking strength 15kN
- Fitted with karabiner at anchorage end
- Swivel snap hook with load indicator at attachment end
- Galvanised steel wire rope 4.8mm
- Tested & approved for horizontal use with our lanyard FA 403 04 15



RESTRAINT KERNMANTLE ROPE LANYARD

- Conforms to EN 354:2002
- 1.0 metre (Model: FA 40 500 10)
- 1.5 metre (Model: FA 40 500 15)
- 1.8 metre (Model: FA 40 500 20)
- 12mm kernmantle rope with thimble eye each end
- Loops protected by abrasion resistant thimbles
- Stitching protected by a strong transparent sleeve
- Minimum breaking strength 22 kN



2 LEG SHOCK ABSORBING WEBBING LANYARD

- Conforms to EN 355:2002
- 1.8 metre (Model: FA 30 400 18)
- 30mm wide webbing with 35mm wide webbing shock absorber and karabiner at one end and scaffold hooks at the other ends
- Loops protected by an abrasion resistant tubular webbing



2 POINT FULL BODY HARNESS

- Conforms to EN 361:2002
- Front & rear 'D' rings
- Fully adjustable
- Sit strap fitted for extra comfort



TRIPOD & WINCH

ALUMINIUM TRIPOD 2.7M

The RGR1 is portable, lightweight and is easy to erect on site. It has adjustable lower and middle legs at 80mm intervals to adapt and adjust to uneven surfaces and varying ground conditions. There are 2 additional anchorage points (SWL 200kg each) on the underside of the head for additional primary/secondary systems.

This unit has many applications such as confined access, entry, egress, rescue, retrieval, manholes, silos and trenches, etc. The RGR1 is extremely versatile and is recommended for use with the side attachment of the RGR7 rescue winch or the RGA4 fall arrest and rescue block.



Data	
Accredited to:	EN 795:1996
Material:	Aluminium cast and extruded frame
Connector:	N/A
Weight:	17.5kg
Features:	Portable and universally adjustable. Unique elliptical design preventing twist
Min/max height range:	1.7m – 2.7m
Packed length:	1.4m
Span diameter:	1.0m - 1.8m
SWL:	200kg

TRIPOD WINCH 50M

The RGR7 is fitted with an up/down clutch locking mechanism. Manufactured from steel with a baked enamel finish, the RGR7 has a 50cm per handle turn, allowing for rapid retrieving/lowering of cable. This unit has many applications, such as confined space entry, manholes and chemical vessels, etc.

The operative can be winched up or down to safety almost immediately. As most rescue systems lower the casualty, the RGR7 can raise the operative to a safe area, if the area below is unsuitable. The RGR7 is most commonly fitted to the RGR1 tripod for use in the confined access industry, as it can lower a worker into an area where no ladders are fitted. The RGR 7 has a working length of: **50m**



Data	
Accredited to:	EN 1496:1996 A&B
Cable Spec:	5mm Galvanized Steel Wire Rope
Connector:	Triple action, aluminium karabiner to EN362:2004
Weight:	15m = 18kg, 50m = 21.5kg
Features:	Clutch locking mechanism. Rapid retrieval/lowering of cable
Gear ratio:	1 : 8 : 9
Size mm:	L 210 x W 340 x D 210
SWL: max	200kg

CRANE ACCESS PLATFORMS - MAN BASKET

Standard Features

- Overhead mesh protection
- Multipoint harness attachment points
- Occupant steadying handle
- Self draining non-slip floor
- Fork truck liftable pockets
- Zinc plated heel pins for safe attachment to fork truck
- Automatic lockable gates
- Painted bright orange for safety

No. of Persons	Dimensions L x W x H (mm)	SWL (Kg)	Weight (Kg)
1	725 x 725 x 2185	150	175
2	1200 x 1140 x 2250	250	190
4	2150 x 1625 x 2185	660	495



FORK ACCESS PLATFORMS - MAN BASKET

Access platforms perform a variety of tasks but are particularly suitable for high level routine maintenance, inspection, stocktaking and order picking. The platforms have been manufactured in accordance with HSE document PM28 3rd edition.

Standard Features

- Self draining non-slip floor
- Four sided kick plates to prevent tool or component loss
- Painted bright orange for safety
- Fork heel locking pins for safe attachment to truck
- Multipoint harness attachment points
- Automatic locking on all gate models

No. of Persons	Dimensions L x W x H (mm)	SWL (Kg)	Weight (Kg)
2	1000 x 1200 x 1250	250	95



STRETCHER CAGE

Designed as a safe method of transporting injured personnel with an attendant, from any structure or excavation. Especially useful in any situation where the only alternative is for a stretcher to be man-handled up or down ladders or stairs.

No. of Persons	Dimensions L x W x H (mm)	SWL (Kg)	Weight (Kg)
2	2570 x 770 x 2130	250	450



7. SITE EQUIPMENT / MISCELLANEOUS

BUMPA / GEDA Hoists	99
Concrete Skips	100
Load Binders	101
Polypropylene Ropes	101
Ratchet Straps	101
Skoots	102
Manhole Cover Lifters	102
Dovetail Twistlocks & Foundations	102

BUMPA HOISTS

The Bumpa loading machine uses a continuous action which makes the loading of tiles and other materials much more efficient. Loading heavy goods to roof height is now quick and easy. The bumpa can be used for single storey to three storey buildings.

The Bumpa is also quick to erect, and can be up and running within four minutes. It is capable of moving 1000 tiles in under 25 minutes. It also features a powered reverse to transport valuable salvage to the ground easily and safely.

Available in 6m, 8m or 10m, the Bumpa also comes powered by either a 110v electric motor or a Honda petrol engine. Weighing in as little as 89kg, the Bumpa is easily manoeuvrable by two people, even on the most difficult of sites.



Electric Model

Model	Weight (Kg)	Max. Angle	Max Working Height (m)
6 Metre	89	65°	5
8 Metre	104	65°	7
10 Metre	119	65°	9

Petrol Model

Model	Weight (Kg)	Max. Angle	Max Working Height (m)
6 Metre	101.6	65°	5
8 Metre	110.6	65°	7
10 Metre	119.6	65°	9

GEDA HOISTS

A GEDA hoist is ideal for roofs that are difficult to reach or where space is at a premium. It can be adapted to all kinds of conditions.

- Various adapters and accessories available to customise the lift
- Quick on-site assembly without tools
- Reliable and user friendly operation
- Lightweight aluminium construction
- Requires 110v or 240v power supply
- 30 metres per minute lifting speed
- Trolley features safety brake in case of any rope failures



CONCRETE SKIPS

CONCRETE SKIPS

Eichinger concrete skips are rugged and heavy duty, and feature a patented discharge gate. They are available in a wide variety of shapes and capacities, and can have many optional fixtures and fittings added to accomplish any task within any area.

Capacity:

- 100L to 4000L

Available Shapes:

- Round / Octagonal / Square

Available Outlets:

- Bottom Discharge
- Flexible Pipe
- Side Chute
- Lateral

Optional Extras (Not Available On All Shapes/Types):

- Hook(s)
- Lug(s)
- Bar or Traverse
- Welded-On Chain
- Handwheel
- Forklift Brackets
- Hydraulic Lever Operation
- Lift Beam

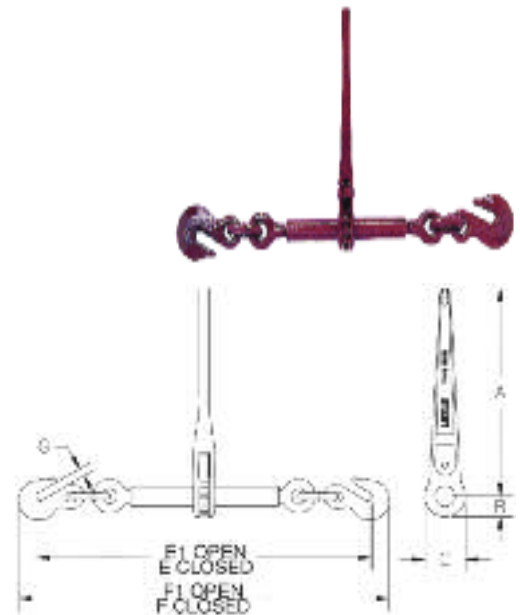
Also available, are rope skips, man riding skips, radio control skips, roll over skips and twin flow skips.

Contact us to discuss your individual needs and requirements.



LOAD BINDERS

- Meets or exceeds requirements of US DOT FMCSA Part 393 Subpart I
- To suit 8mm, 10mm, 13mm and 16mm chain
- Upgraded for use with Grades 70, 80 and 100 Chain
- Utilizes standard Crosby A-323 Alloy Eye Grab Hooks
- New design "one piece" forged handle
- Continuous take-up feature provides finite adjustment to tie down load
- One piece assembly, no bolts or nuts to loosen
- Ratchet spring is rust proofed
- All load bearing or holding parts forged
- Easy operating positive ratchet
- Binders shown with Proof Loads have been individually proof tested to values shown, prior to shipment



Min-Max Chain Size (mm)	WLL (Tonne)	Proof Load (kN)	Weight Each (Kg)	Handle Length (mm)	Barrel Length (mm)	Take Up (mm)	Dimensions (mm)							
							A	B	C	E	E1	F	F1	G
8-10	4	79	5.49	356	254	203	356	35.1	70	583	786	638	842	12.7
10-13	6.8	134	6.66	356	254	203	356	35.1	70	641	845	702	905	16
13-16	7.26	143	6.6	356	254	203	356	35.1	70	670	873	748	951	18.3

POLYPROPYLENE ROPE

- Coil of 220m
- Available from 4mm to 32mm
- Various colours available



RATCHET STRAPS

Lashing capacities from 250kg to 10 Tonne

- Long and wide ratchet handle allows greater gears of use and maximum tensioning with minimum force
- There are various end terminations available
- Lengths can be custom made to your specification



MISCELLANEOUS

SKOOTS

The Skoot from BIL Material Handling Division, is a portable lightweight system, which hydraulically lifts loads, and allows them to be moved easily in any direction. The Skoot range offers safe, easy and effortless manoeuvrability of different sized and shaped loads.

- Safe and easy - The load only has to be lifted approximately 15mm to allow for the insertion of the toeplates
- Effortless - Hydraulic jacks raise and lower the load
- No slip or slide - Skoots are strapped to the item being moved, making it safer to move even over uneven ground
- Manoeuvrability - Smooth-running castors allow easy and controlled steering around corners and obstacles
- Minimal height increase - The overall load height in transit is only increased by a few millimetres
- Easy positioning - Four swivelling castors allow the load to be precisely manoeuvred and the hydraulic jacks allow the load to be lowered into position in a controlled operation
- 360° rotation - Heavy loads can easily be turned within their own length
- Directional locks - Four-way directional locks fitted to the castors are extremely useful when negotiating corridors, or when moving across floor surfaces with a gradient
- Easy to transport - Compact for easy transportation
- Simple to operate - Requires minimal training to operate
- Wide range - Choose from a range of models



HYDRAULIC MANHOLE COVER LIFTERS

The Hydraulic Manhole Cover Lifter from Mustang Tools is quick to assemble and simple to use, and allows the safe removal of the majority of manhole covers.

- Safe Working Load of 800kg
- Supplied with four sets of keys, enabling the device to lift most types of manhole covers
- Spreader bars are also available to allow the device to lift four keyhole and split covers
- All metal construction with nylon wheels for years of uninterrupted service



DOVETAIL TWISTLOCKS & FOUNDATIONS

45° sliding longitudinal dovetail twist locks and deck weldable foundations for safe and easy securing of bottom containers to hatch covers and in holds where a raised socket could cause an obstruction. The dovetail twist lock is manufactured from cast and forged steel and is hot dip galvanised. The single dovetail twistlock foundation is made from cast steel and finished with weldable primer.

Features and Benefits

- Easy to use
- Low profile twistlock foundations
- Hot dip galvanised
- Right to left locking

Minimum Breaking Loads

- Tension - 500 kN
- Shear 420 kN

Twistlock Weight: 6.8kg

Socket/Foundation Weight: 4.15kg



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