



INTRODUCTION



This is the second edition of this small publication and marks a new phase in the development of Lifting Gear & Safety. It's hard to believe that in the three short years since LGS began in April 2009, it has developed as far and as fast as it has.

From a standing start in the depths of the recession and with no external funding, the company has grown from its humble beginnings, to a smart location in the heart of Bristol, branches in both Fareham and Plymouth in the South and West of England, and in South Wales at Newport, Port Talbot – and now – Milford Haven. Exciting plans are in place for further coverage.

Serious investment continues to be made in plant and equipment. Apart from extending and reinforcing our existing hire fleet items, we now have a very large fleet of Gas Monitors – supported by our own in-house computerised calibration facility. On the domestic front, we are proud to announce that we have received both ISO 9001 & 14001 accreditations – another indication that you are dealing with a company that is very serious about being the best it can be.

Our site inspection program has become increasingly popular, supported by our own web-based Asset Management and Certification system – LGS OnLine – which goes from strength to strength in terms of the number of companies that have recognised its worth and who use it daily. (Please refer to pages 12 and 13)

Our core values remain and are strengthened now by increased efforts to promote – where at all possible – British goods (please see facing page). We have all seen in the past year, the pressing need to support our own industries and those of our partners in the Eurozone, on whose fortunes so much depends. So – our policy is British first, European second and after that, whatever is asked for. Transparency is the key word here and we will always be open when selling a product whose price suggests a lesser quality.

Finally, we are delighted to announce that Tim Wilson joins Brian and Jim as a Director of LGS. Tim is rightly recognised as one of the most respected figures in the lifting equipment industry and brings with him a vast amount of knowledge, expertise and experience. His presence in our company not only strengthens our team but will have a massive impact in taking the company forward.



BUYING BRITISH

Perhaps we're old fashioned, but one of the core values of our company is that we always seek to promote quality – not just in everything we do but in the products we sell.

It seems very relevant right now, especially when our country faces such massive economic challenges, that we embrace the above in our belief that it is possible to support our own economy and still offer a competitive product against the tide of Far Eastern imports.

We will of course supply what the customer demands since every order is precious – however, we say – if it's made in England, if it's good quality and if it's competitive, let us first of all think British (and then European). We hope that your company shares our belief.

"There is hardly anything in the world that someone cannot make a little worse and sell a little cheaper, and the people who consider price alone are that person's lawful prey. It's unwise to pay too much, but it's worse to pay too little. When you pay too much, you lose a little money – that is all. When you pay too little, you sometimes lose everything, because the thing you bought was incapable of doing the thing it was bought to do. The common law of business balance prohibits paying a little and getting a lot – it can't be done. If you deal with the lowest bidder, it is well to add something for the risk you run, and if you do that you will have enough to pay for something better."

John Ruskin, 1819-1900

Some things are cheap to buy – others are cheap to own!



WHAT WE DO

It is relatively easy to provide a mental picture of what we hire and sell but it's not quite so simple to convey an instant image of perhaps the most important aspect of the company's activities – site inspection and testing.

Never before has the business of 'keeping our houses in order' been so important.

And here's how Lifting Gear & Safety's site inspection programme can really help. Basically, you make the request for our engineers to come along and inspect your lifting equipment. From there, it's not your worry. We will liaise with your site personnel and arrange a convenient time to make the kit available to us. We inspect the items, which are then placed on our **LGS OnLine** system – arranged in a format that suits you – and there you have it.

The detail is explained on pages 12 and 13, but essentially your chosen staff can view and monitor the equipment and can see when items are next due for inspection and testing, to comply with the LOLER regulations. You can also print off your own certificates should your hardcopy get mislaid.

Although the system tells you at a glance when your equipment is due for its next inspection – thanks not only to a 'due date column' but to our 'traffic lights' innovation, which easily highlights items that are in service as well as those nearing expiry plus all the defective, overdue and missing items – we'll still contact you in good time.

Remember, loose tackle and safety equipment must carry a six monthly certificate whilst lifting machines etc need inspection every twelve months.

We also carry out the proof load testing of lifting beams, overhead runway systems and fixed lifting equipment.

Don't be caught out – contact us to see how we can help you.



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WORKING LOAD LIMITS

The Working Load Limits (WLL) listed in the tables below are the maximum weights which slings are designed to sustain in general lifting service, according to the standard uniform load method of rating. In exceptionally hazardous conditions, or in any other circumstances which might indicate a need for a WLL lower than the designed figure, the degree of hazard should be assessed by a competent person and the working load limit adjusted accordingly. The WLL, which should be marked on the sling itself or on a securely fixed metal tag, must not be exceeded in any circumstances. ALL CAPACITIES ARE IN TONNES.

WLL in Tonnes, Grade 10 GrabiQ

Chain dim. mm	1-leg		2-leg		3- & 4-leg		Choke hitch	
		β 0-45° α 0-90°	β 45-60° α 90-120°	β 0-45° α 0-90°	β 45-60° α 90-120°	β 0-45° α 0-90°	β 45-60° α 90-120°	
6	1.5	2.12	1.5	3.15	2.24	1.6	1.2	
8	2.5	3.5	2.5	5.2	3.7	2.7	2	
10	4.0	5.6	4	8.4	6	4.4	3.2	
13	6.7	9.5	6.7	14.0	10	7.4	5.3	
16	10	14	10	21.0	15	11	8	
20	16	22.4	16	33.6	24	17.6	12.8	

Safety factor 4:1. Working load limits are based upon equally loaded and disposed sling legs.









WLL in Tonnes, Grade 8 Classic EN 818-4:1996

Chain dim. mm	1-leg		2-leg		3-leg & 4-leg		Choked endless sling
		β 0-45° α 0-90°	β 45-60° α 90-120°	β 0-45° α 0-90°	β 45-60° α 90-120°		
6	1.12	1.6	1.12	2.36	1.7	1.8	
7	1.50	2.12	1.5	3.15	2.24	2.5	
8	2.0	2.8	2.0	4.25	3.0	3.15	
10	3.15	4.25	3.15	6.7	4.75	5.0	
13	5.3	7.5	5.3	11.2	8.0	8.5	
16	8.0	11.2	8.0	17.0	11.8	12.5	
19	11.2	16.0	11.2	23.6	17.0	18.0	
22	15.0	21.2	15.0	31.5	22.4	23.6	
26	21.2	30.0	21.2	45.0	31.5	33.5	
32	31.5	45.0	31.5	67.0	47.5	50.0	

Safety factor 4:1. Working load limits are based upon equally loaded and disposed sling legs.



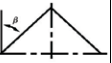




WORKING LOAD LIMITS

Webbing Slings and Round Slings

WLL (tonnes)	Duplex webbing slings				Polyester round slings			
	 Straight x 1	 Choked x 0.8	 Basket x 2	 90° Basket x 1.4	 Straight x 1	 Choked x 0.8	 Basket x 2	 90° Basket x 1.4
Violet	1.00	0.80	2.00	1.40	1.00	0.80	2.00	1.40
Green	2.00	1.60	4.00	2.80	2.00	1.60	4.00	2.80
Yellow	3.00	2.40	6.00	4.20	3.00	2.40	6.00	4.20
Grey	4.00	3.20	8.00	5.60	4.00	3.20	8.00	5.60
Red	5.00	4.00	10.00	7.00	5.00	4.00	10.00	7.00
Brown	6.00	4.80	12.00	8.40	6.00	4.80	12.00	8.40
Blue	8.00	6.40	16.00	11.20	8.00	6.40	16.00	11.20
Orange	10.00	8.00	20.00	14.00	10.00	8.00	20.00	14.00

Wire Rope Slings

Based on 1960 Tensile Grade; 6x19 or 6x36 constructions and having ferrule secured eye terminations.

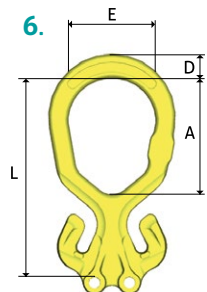
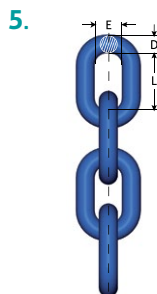
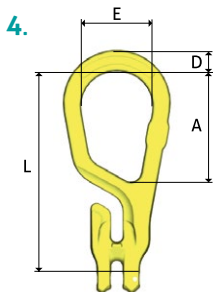
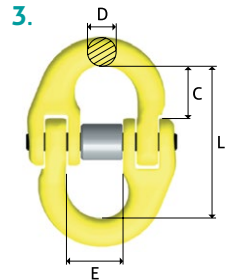
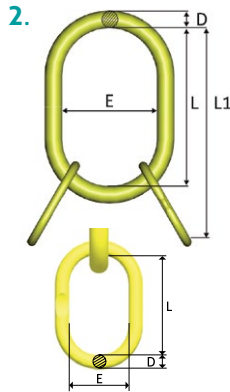
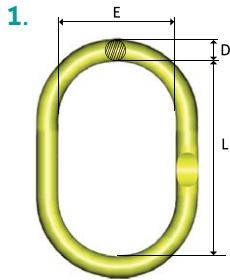
WLL (tonnes)	Single leg sling		2-leg sling 0-45°		2-leg sling 45-60°		3-leg sling 0-45°		3-leg sling 45-60°		4-leg sling 0-45°		4-leg sling 45-60°	
														
Dia	Fibre core	Steel core	Fibre core	Steel core	Fibre core	Steel core	Fibre core	Steel core	Fibre core	Steel core	Fibre core	Steel core	Fibre core	Steel core
8mm	0.76	0.82	1.00	1.10	0.76	0.82	1.60	1.70	1.10	1.20	1.60	1.70	1.10	1.20
9mm	0.96	1.00	1.30	1.40	0.96	1.00	2.00	2.10	1.40	1.50	2.00	2.10	1.40	1.50
10mm	1.20	1.30	1.70	1.80	1.20	1.30	2.50	2.70	1.80	1.90	2.50	2.70	1.80	1.90
11mm	1.40	1.50	1.90	2.10	1.40	1.50	2.90	3.10	2.10	2.20	2.90	3.10	2.10	2.20
12mm	1.70	1.80	2.40	2.50	1.70	1.80	3.50	3.80	2.50	2.70	3.50	3.80	2.50	2.70
13mm	2.00	2.10	2.80	2.90	2.00	2.10	4.20	4.40	3.00	3.10	4.20	4.40	3.00	3.10
14mm	2.30	2.50	3.20	3.50	2.30	2.50	4.80	5.20	3.50	3.70	4.80	5.20	3.50	3.70
16mm	3.00	3.30	4.20	4.60	3.00	3.30	6.30	6.90	4.50	4.90	6.30	6.90	4.50	4.90
18mm	3.80	4.10	5.30	5.70	3.80	4.10	8.00	8.60	5.70	6.10	8.00	8.60	5.70	6.10
20mm	4.70	5.10	6.60	7.10	4.70	5.10	9.80	10.70	7.10	7.60	9.80	10.70	7.10	7.60
22mm	5.70	6.20	8.00	8.70	5.70	6.20	11.90	13.00	8.60	9.30	11.90	13.00	8.60	9.30
24mm	6.80	7.40	9.50	10.30	6.80	7.40	14.30	15.50	10.20	11.10	14.30	15.50	10.20	11.10
26mm	8.00	8.60	11.00	12.00	8.00	8.60	16.80	18.00	12.00	12.90	16.80	18.00	12.00	12.90
28mm	9.30	10.00	13.00	14.00	9.30	10.00	19.50	21.00	14.00	15.00	19.50	21.00	14.00	15.00
32mm	12.10	13.10	16.90	18.30	12.10	13.10	25.40	27.50	18.20	19.60	25.40	27.50	18.20	19.60
36mm	15.40	16.60	21.50	23.20	15.40	16.60	32.30	34.80	23.10	24.90	32.30	34.80	23.10	24.90
40mm	19.00	20.60	26.60	28.80	19.00	20.60	39.90	43.20	28.50	30.90	39.90	43.20	28.50	30.90
44mm	23.00	24.80	32.20	34.70	23.00	24.80	48.30	52.00	34.50	37.20	48.30	52.00	34.50	37.20
48mm	27.40	29.60	38.30	41.40	27.40	29.60	57.50	62.10	41.10	44.40	57.50	62.10	41.10	44.40
52mm	32.20	34.80	45.00	48.70	32.20	34.80	67.60	73.00	48.30	52.20	67.60	73.00	48.30	52.20
56mm	37.40	40.20	52.30	56.20	37.40	40.20	78.50	84.40	56.10	60.30	78.50	84.40	56.10	60.30
60mm	42.80	46.20	59.90	64.60	42.80	46.20	89.80	97.00	64.20	69.30	89.80	97.00	64.20	69.30

CHAIN FITTINGS GUIDE

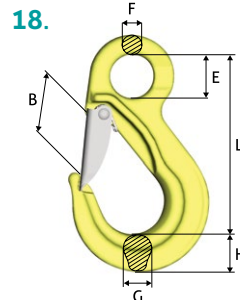
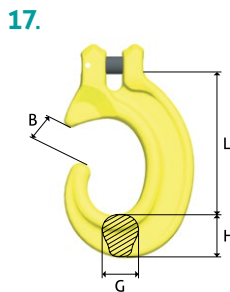
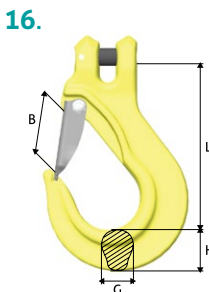
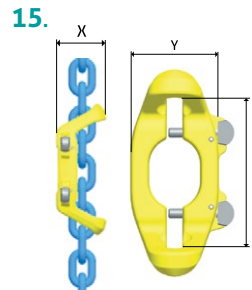
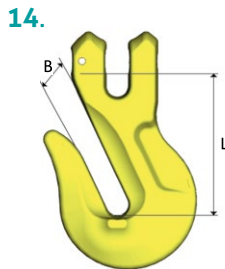
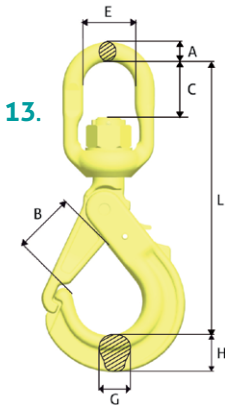
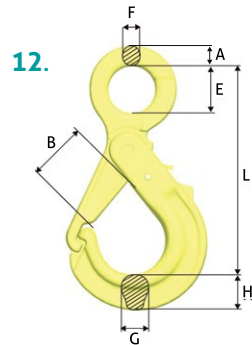
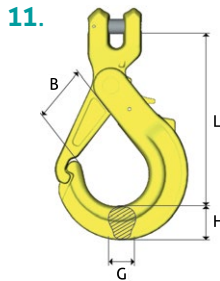
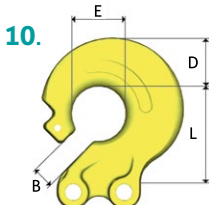
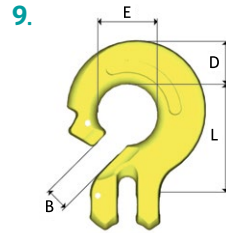
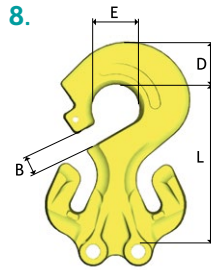
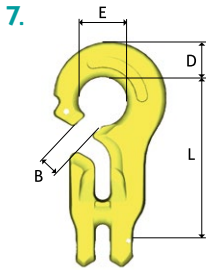
The chain fittings shown are here to help specify how you would like your sling constructed. They are, in fact, fittings from the Gunnebo Grade 10 GrabiQ range, but they do describe fittings from other ranges. We have left key dimension arrows in place so that, if needed, we can provide you with the measurements you need quickly and easily over the phone.

Those shown are the most popular, but we do have many other items to suit your needs.

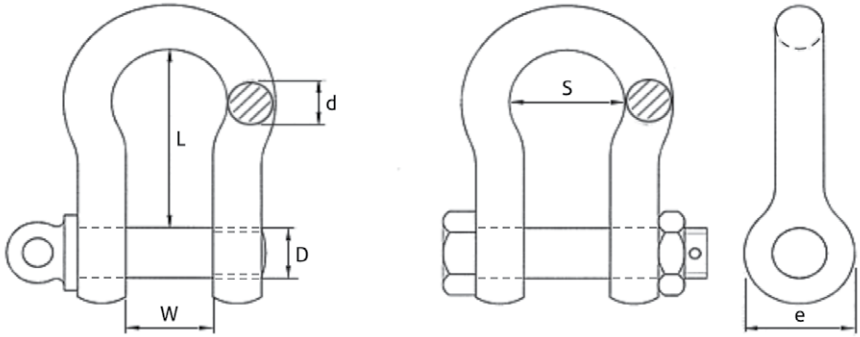
- | | |
|---|--|
| 1. Oval master link | 10. Double legged chain connector |
| 2. Quad master link assembly | 11. Trigger pattern clevis safety hook |
| 3. Coupling link | 12. Trigger pattern eye type safety hook |
| 4. Single master with integral clutch | 13. Trigger pattern swivel safety hook |
| 5. Chain | 14. Clevis pattern shortening hook |
| 6. Double master with integral clutches | 15. Retro-fit chain shortener |
| 7. Single leg chain connector with clutch | 16. Clevis pattern sling hook with latch |
| 8. Double leg chain connector with clutches | 17. Clevis pattern cee-type hook |
| 9. Single leg chain connector | 18. Eye-type sling hook with latch |



CHAIN FITTINGS GUIDE



ALLOY STEEL BOW SHACKLE SPECIFICATIONS

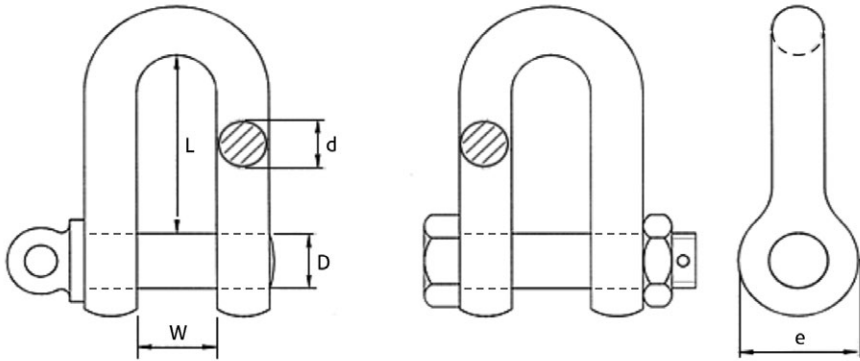


To US Federal Specification RR-C-271D

With either Screw collar pins or Bolt, Nut & Split Pins

SWL te	d	D	w	L	e	S
0.33	5	6	9.5	22	12.5	16
0.5	7	8	12	29	17	20
0.75	9	10	13.5	32	21	22
1	10	11	17	36.5	23	26
1.5	11	13	19	43	26	29
2	13.5	16	22	51	34	32
3.25	16	19	27	64	40	43
4.75	19	22	31	76	47	51
6.5	22	25	36	83	53	58
8.5	25	28	43	95	60	68
9.5	28	32	47	108	67	75
12	32	35	51	115	74	83
13.5	35	38	57	133	80	92
17	38	42	60	146	89	99
25	45	50	74	178	104	126
35	50	57	83	197	119	138
42.5	57	65	95	222	134	160
55	65	70	105	260	145	185

ALLOY STEEL DEE SHACKLE SPECIFICATIONS



To US Federal Specification RR-C-271D

With either Screw collar pins or Bolt, Nut & Split Pins

SWL te	d	D	w	L	e
0.33	5	6	9.5	20	12.5
0.5	7	8	12	22	17
0.75	9	10	13.5	27	21
1	10	11	17	31	23
1.5	11	13	19	37	26
2	13.5	16	22	43	34
3.25	16	19	27	51	40
4.75	19	22	31	59	47
6.5	22	25	36	73	53
8.5	25	28	43	85	60
9.5	28	32	47	90	67
12	32	35	51	94	74
13.5	35	38	57	115	80
17	38	42	60	127	89
25	45	50	74	149	104
35	50	57	83	171	119
42.5	57	65	95	190	134
55	65	70	105	203	145

LGS OnLine

The online asset management and certification system

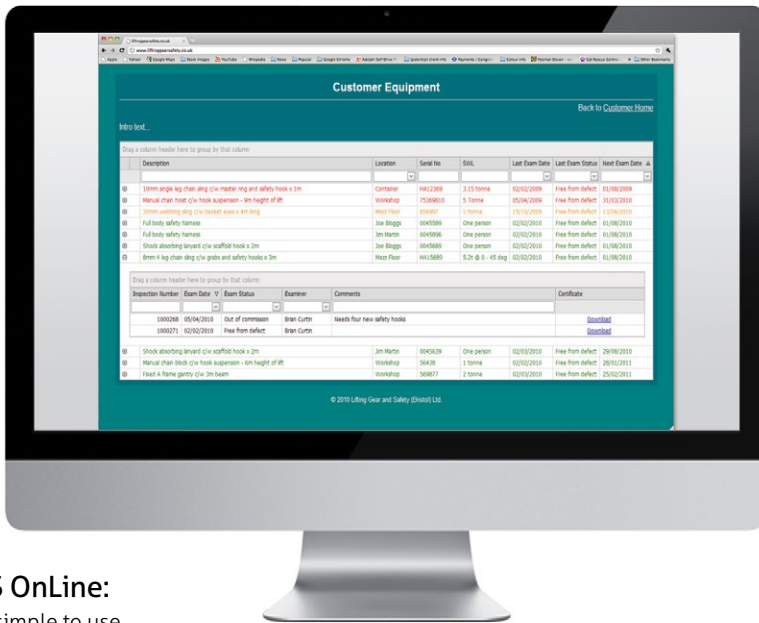
The need to ensure that your equipment is not just 'up to date' but is seen to be so, has never been greater. Compliance to the LOLER regulations is of the utmost importance, yet too many companies, whilst understanding this importance, struggle to maintain a proper system of saving and storing their certificates, and fail to keep their lifting equipment legal and up to date.

All motorists understand the need to have a current MOT Certificate because in that situation it's impossible to re-tax the vehicle without it. Lifting Gear beyond its examination date however is often put into service and, whilst it might perform its function perfectly well, it is nonetheless illegal. In the event of an accident, the consequences of overdue and uncertified equipment can be very serious indeed!

That's why LGS OnLine can be a cheap and reliable way of making sure that you comply with the law. It can hardly be cheaper – because it's free!! The best way of understanding what it can do for your company is to ask for a demonstration – without obligation.



LGS OnLine



LGS OnLine:

- Is simple to use
- Ensures compliance to LOLER
- Allows you to view all of your equipment via the internet
- Enables you to print off all Certificates and Inspection Records
- Gives you your own unique Login and Password
- Lets you see a list of all items that are non-conforming
- Separates those items that are current and free from defect, from those that are missing, overdue or defective
- Offers easy equipment monitoring by location, description or serial number
- Has a simple, visual 'Traffic Lights' feature that highlights at a glance when items are current, approaching the end of their certification period, or overdue
- Records the life history of each and every item you operate
- Works for equipment examined on your site or supplied from new
- Allows equipment not supplied by LGS to be added to the system
- Is rapidly updated to let you view your equipment, over the internet, without delay

Why not see for yourself and take advantage of our free and unconditional offer to show you what LGS OnLine can do for your company.

To find out more, please call us now, or for a demonstration visit:
www.liftinggearsafety.co.uk

HAND OPERATED CHAIN HOISTS



Hand Operated Chain Hoists supplied by Lifting Gear & Safety are lightweight and compact to help with transportation and installation.

Modern design and manufacturing techniques have combined to reduce size whilst maintaining strength and durability. There are many blocks on the market these days that look remarkably similar, however the price disparity says it all. At LGS, we strive to make sure that our hire fleet is kitted out with only the best.

- 0.5t to 50t capacity
- 3m to 50m height of lift
- Immediate availability
- Full certification issued with every block

The following table is for guidance only and some details may vary. Please call us to get any further information you need.

CHECK LIST

- What capacity do you need?
- What height of lift do you need?
- Do you require a Sling or Girder Clamp to suspend it from?
- Do you require Slings and Shackles to connect to the load?
- Do you require a Girder Trolley to traverse a beam?
- Do you require transport?

Capacity (tonne)	Height of Lift (H.O.L.)	Minimum Headroom (mm)	Falls of Load Chain	Approx weight (kg) for 3m H.O.L.
0.5	The choice is yours to suit your needs	260	1	8
1		300	1	11
2		380	1	21
3		435	1	31
5		575	3	35
10		790	3	76
15		1020	5	155
20		1040	6	250
25		1060	8	320
30		1460	10	440
40		1770	14	650
50	1950	20	850	

GIRDER/BEAM TROLRIES



Everyone has their own name for them but travelling trolleys, carriages, even 'Monkeys' all do the same thing – to enable a load to be traversed along a beam.

Please be sure to check the flange size of your beam and be aware that it is very difficult to shift a load on a trolley above 2 tonne without having gearing on the trolley.

- 0.5t to 20t capacity
- Geared trolleys for heavier loads where control is required
- Powered travelling trolleys are an option
- Full certification

Please call us to get any further information you need.

CHECK LIST

- What capacity do you need?
- Do you require a Hoist?
- What is the operating height for Geared Trolleys?
- What is the flange size of the girder/ beam?
- Do you require Slings and Shackles?
- Do you require transport?

GIRDER/BEAM CLAMPS



LGS Girder Clamps are a most useful item for any rigging situation. They are a lightweight, safe and flexible means of securing a load onto a beam.

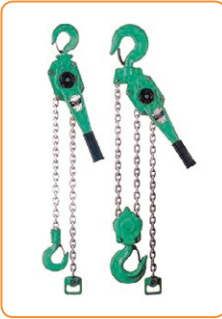
- 2t to 25t capacity
- Suits 76mm to 610mm flange sizes depending on capacity
- Can be used for lifting or pulling – even an anchor point
- Easy to install with maximum grip adjustment
- Fully certified

Please call us to get any further information you need.

CHECK LIST

- What capacity do you need?
- Do you require a Hoist or Pulling Machine?
- What is the flange size of the girder/ beam?
- Do you require Slings and Shackles?

PUL-LIFT / LEVER HOISTS



LGS Lever Hoists are the ideal tool for pulling or lifting – especially when space is limited. They are often used in tough environments and LGS units are built to take it.

- 0.75t to 6t capacity
- Height of lift is normally 1.5 metres but other lengths available
- Can be used at all angles – even upside down
- Immediate availability
- Each hoist fully certified

Please call us to get any further information you need.

CHECK LIST

- What capacity do you need?
- What height of lift do you need?
- Do you require a Slings and Shackles to connect to the load?
- Do you require transport?
- Do you require a Slings and Shackles to connect to the load?
- Do you require a Slings and Shackles to connect to the load?

LIFTING CLAMPS & MAGNETS



We supply and hire all sorts of clamps from Vertical Plate Lifting to Horizontal Plate and Sheet Lifters. LGS also offer Sheet Pile Lifting Clamps.

- 1t to 15t capacity
- Universal models to lift and turn plate
- Horizontal clamps (in pairs) for plate and sheet
- LGS sheet pile clamps are ground level operated
- All units fully certified

Please call us to get any further information you need.

CHECK LIST

- What capacity do you need?
- What type of clamp do you need?
- Do you require transport?
- What is the plate thickness?
- Do you require a Hoist?

MOBILE GANTRIES



LGS offer a wide range of both fixed and adjustable mobile gantries. The mobile gantry is often an ideal solution where there is no existing overhead facility. Mobile Gantries are offered in conventional steel or lightweight aluminium.

- 0.5t to 20t capacity
- Wide range of spans available
- Many units are adjustable in height
- Gantries supplied in section for practical transportation
- All units fully certified

Please call us to get any further information you need.

CHECK LIST

- What capacity do you need?
- What height of lift do you need?
- Do you require a Hoist?
- Do you require Slings and Shackles?
- Do you require transport?

SCAFFOLD TRACKING



With our enclosed tracking system, you can create a lightweight temporary or permanent runway for transporting goods and material. The tracking sections can be joined together for a system to suit the length of travel you need. It is suspended from scaffolding by easy to fix clips and includes free running trolleys for hoist suspension. Ideal for building sites where Scaffolding is a more practical solution to fabricated steelwork.

- Lightweight
- Flexible
- Easy to install
- Supplied with safety end-stops and swivel eye trolleys

CHECK LIST

- What load do you want to carry?
- Do you need a hoist?
- Is delivery required?
- What length of travel do you need?
- Will you want slings, shackles etc?

ELECTRIC CHAIN HOISTS



Electric Chain hoists supplied by LGS are designed for all-round material handling operations.

We can offer hoists with either simple hook suspension, or with Push or Electric Travelling Trolleys. Hoists are fitted with Low voltage pendant controls and are available in either single or three phase supply in some capacities.

Customers should seek competent advice when rigging some hoists to avoid Voltage Drop, especially with regard to the distance the hoist is operating from the power source.

- 0.25t to 10t capacity
- 110/220/415v depending on capacity
- Low Voltage pendant controls
- Slack Chain collectors
- Every hoist fully certified

The following table is for guidance only and some details may vary. Please call us to get any further information you need.

CHECK LIST

- What capacity do you need?
- What height of lift do you need?
- What length of pendant do you require?
- What voltage do you require?
- Do you require a Sling or Girder Clamp to support it from?
- Do you require Slings and Shackles to connect to the load?
- Do you require a Girder Trolley (hand or powered) to traverse a beam?
- Do you require transport?

Capacity	Height of Lift (H.O.L.)	Voltage	Falls of Load Chain	Hoisting Speeds (m/min)
250kg	The choice is yours to suit your needs however the rating will determine maximum available	110/240	1	8
300kg		110/240	1	11
500kg		110/240/415	1	21
1t		110/240/415	1	31
2t		110/240/415	3	35
3t		110/240/415	3	76
5t		415	5	155
10t		415	6	250

AIR HOISTS



Lifting Gear & Safety offer only robust, high quality hoists that can withstand the rigours of tough environments. They are modern in design for maximum strength to weight ratio.

Whilst it's true that Air Hoists do need clean air, they avoid the need for complicated electronic controls and can be used in almost any environment. Customers need to ensure that they have a suitable source of air delivery.

- 0.5t to 50t capacity
- 3m to 50m height of lift
- Continuous use at maximum output
- Full certification issued with every block

The following table is for guidance only and some details may vary. Please call us to get any further information you need.

Capacity (tonne)	Height of Lift (H.O.L.)	Minimum Air Consumption (m ³ /min)	Minimum Working Pressure (bar)	Air Connector (mm) (inch)
0.5	The choice is yours to suit your needs	2.2	4/6	13 ½
1		2.2	5/7	19 ¾
2		2.2	5/7	19 ¾
3		2.2	4/6	19 ¾
6		2.8	6	19 ¾
12		2.8	6	19 ¾
15		4	7/8	25 1
25		8	7/8	25 1
50		10	7/8	25 1

CHECK LIST

- What capacity do you need?
- What height of lift do you need?
- Is there a suitable dry air supply available?
- Do you require a Sling or Girder Clamp to suspend it from?
- Do you require Slings and Shackles to connect to the load?
- Do you require transport?

MODULAR LIFTING BEAMS



Modular Beams are now a very popular concept. They offer incredible strength, combined with light weight and versatility.

They can be used as simple spreader beams but can also be configured as both rectangular lifting frames or 'H' beams. Modular Beams are sectional and are assembled on site to suit the length required. Compared to the old fixed length fabricated beams, Modular's are ideal for easy transporting and will fit on standard drop-side trucks.

- LGS offer 2t to 100t from stock
- Up to 350t available
- Lengths from 1m to 30m
- LGS supply complete rigging instructions
- All beam sections fully certified

Please call us to get any further information you need.

CHECK LIST

- What capacity do you need?
- Do you require a Load Link to measure the load?
- What lifting centres do you need?
- Is the weight of the beam included in your calculations?
- Do you require Slings and Shackles?
- Do you require transport?

SHACKLES



Lifting Gear & Safety supply and hire a complete range of Dee & Bow shackles in both Alloy steel and the older Higher Tensile type. Size matters! – please refer to dimensional data at the front of this booklet to ensure that you select the shackle that is right for your job.

- 0.25t to 1000t capacity
- Dee and Bow patterns
- Either Screwed Collar Pins or with Bolt, Nut & Split Pin
- All fully certified

Please call us to get any further information you need.

CHECK LIST

- What capacity do you need?
- Are there limits for pin and jaw size?
- Do you require hoisting equipment?
- What type of Shackle do you need?
- Will the Shackle be compatible with other equipment?

SLINGS



We offer a huge range of all sorts of lifting slings. Those shown are what you would expect as standard lifting slings, but we also make and supply tailor made slings to suit your exact need, i.e. four leg wire slings with terminal fittings.

We also make wire rope assemblies such as winch wires, hoist ropes and so on. Please refer to WLL tables at the front of the booklet.

- **Chain Slings** in Grade 10 or the older grade 8 can be supplied in all configurations and with a massive array of terminal fittings from a standard safety hook to a Shackle. Shortening clutches optional.
- **Wire Rope Slings** – normally single leg with soft eyes – can be supplied with all sorts of terminals and in multi-leg format
- Polyester **Webbing** and **Endless Round Slings** are all 7:1 FOS, colour coded and striped for WLL recognition
- We offer an enormous range of working loads and lengths
- All slings fully certified

Please call us to get any further information you need.

CHECK LIST

- What type of Sling do you need?
- What capacity do you need?
- What effective working length do you need? (remember Round Slings are specified by circumference)
- Do you require a means of lifting the load?
- Do you require Shackles etc to connect to the load?
- Do you require transport?

WIRE ROPE PULLING AND LIFTING MACHINES / TIRFORS



LGS sell and hire both manually and hydraulically operated Tirfor machines.

Well known for many years, these machines provide a lightweight yet portable means of bringing power to all sorts of working situations, from tree felling to tensioning structures to simple winching applications.

- From 800kg to 3200kg single machine capacities
- Snatch Blocks or Multi-Sheave Blocks can greatly increase power
- Virtually unlimited rope travel
- Hydraulic units can be powered by 415v electric motors or petrol
- Multiple units can be set up from a single power pack to handle jobs that need synchronised pulls
- All machines and wire fully certified

Please call us to get any further information you need.

CHECK LIST

- What capacity do you need?
- Do you require a Sling or Girder Clamp to anchor it from?
- Do you require Slings and Shackles to connect to the load?
- What power source do you require?
- Do you have a suitable anchor point?
- What length of Rope do you need?
- Do you require Pulley Blocks?
- Do you require transport?

AIR WINCHES



The range of available winches is vast, however at LGS, we will be able to offer a unit appropriate to your needs.

- 600kg to 10000kg capacity
- Robust design and construction
- Variable speed control
- Reliable air motors
- Wide range of wire capacities
- All winches fully certified

Please call us to get any further information you need.

CHECK LIST

- What capacity do you need?
- Do you have a suitable anchor point?
- Do you require Pulley Blocks?
- Do you have a suitable air supply available?
- Are you pulling or lifting?
- What length of Rope do you need?
- Do you require Slings and Shackles to connect to the load?
- Do you require transport?

110 VOLT CABLE PULLING WINCH



Highly portable, lightweight Twin Drum Capstan Winch for cable pulling jobs.

- Speed on Large Capstan 4 metres/min
- Speed on Small Capstan 2.5 metres/min
- 1.5 tonne pulling capacity on Large Capstan
- 2.5 tonne pulling capacity on Small Capstan
- 2 speed forward/reverse
- Overload protection
- All units fully certified

Please call us to get any further information you need.

CHECK LIST

- What capacity do you need?
- Do you have a suitable anchor point?
- Do you require Pulley Blocks?
- Do you have a suitable air supply available?
- Are you pulling or lifting?
- What length of Rope do you need?
- Do you require Slings and Shackles to connect to the load?
- Do you require transport?

TIRAK MOBILE WINCHES



LGS supply TIRAK Mobile Winches as ideal lifting and pulling devices for frequently changing operating positions on site.

- Up to 700kg with single-phase electric motor
- Constant in-line pulling force regardless of rope length
- Can be used either as a winch or a hoist
- Standard Reelers offer 60/80m wire rope capacity
- All winches fully certified

Please call us to get any further information you need.

CHECK LIST

- What capacity do you need?
- What power source is available?
- Do you require a Sling or Girder Clamp to anchor it from?
- What length of Rope do you need?
- Do you require Slings and Shackles to connect to the load?
- Do you require transport?

PORTABLE HOISTS / MINIFORS



LGS supply the Minifor as a lightweight electric hoist which offers the possibility of unlimited heights of lift since wire rope passes through it.

- 100kg, 300kg or 500kg capacity
- Possible to double reeve to achieve 900kg
- 110/220/415v depending on capacity
- Wide variety of wire rope lengths
- Each hoist with full certification

Please call us to get any further information you need.

CHECK LIST

- What capacity do you need?
- What voltage do you require?
- Do you require a Sling or Girder Clamp to suspend it from?
- What height of lift do you need?
- Do you require Slings and Shackles to connect to the load?
- Do you require transport?

PULLEY BLOCKS



LGS provide a wide range of Blocks – Single, Multi-Sheave or Snatch. The use of Blocks can multiply the power of your winch or simply change the direction of the rope.

- Blocks can be used in combinations, i.e. Single & Double etc
- Snatch Blocks are typically a side opening Block that permits the rope to be loaded at any point
- Blocks available with alternative head fittings
- Using Blocks will naturally impose a greater load on an anchor point
- All Blocks fully certified

Please call us to get any further information you need.

CHECK LIST

- What capacity do you need?
- What diameter of Rope will be used?
- Do you require Girder Clamps, Slings and Shackles?
- Do you require a Winch?
- What type of Pulley Blocks do you need?
- What is the load imposed on anchor points?

SWIVELS



The Gunnebo SKLI Swivel is electrically insulated, lubricated and with a sealed roller bearing that allows full rotation at maximum load. Tested to resist 1000 volts, it is suitable for the protection of overhead and mobile cranes during welding operations on suspended loads.

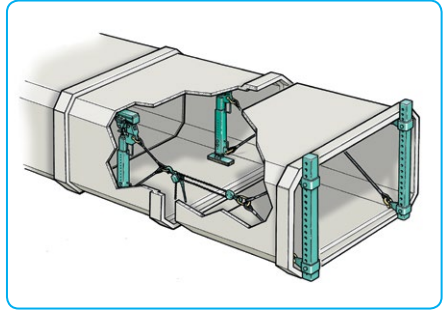
- From 2 tonne to 21.6 tonne WLL
- Accepts a wide range of end terminals to suit your needs
- Can be integrated in Chain Slings
- Individually stamped, tested and certified

Please call us to get any further information you need.

CHECK LIST

- What capacity do you need?
- Have you checked your crane hook size?
- Have you selected your end fittings?
- Will you need Slings?
- Do you require hoisting equipment?
- Do you require transport?

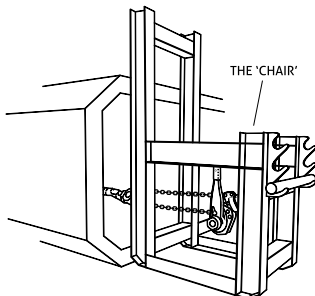
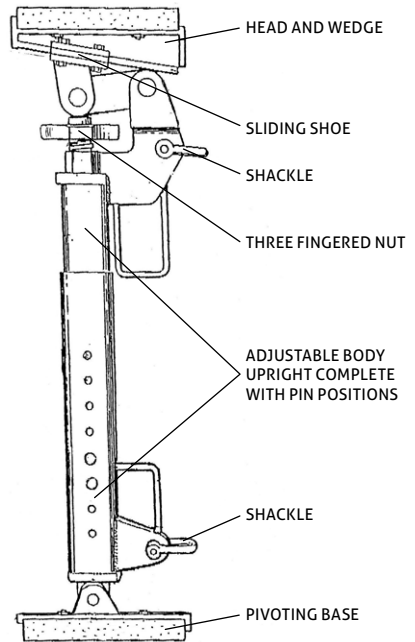
THE BRISTOL BULLDOG CULVERT PULLER



One of our number is shown as 'Inventor' on the British Patent of this unique piece of kit. It is called the Bristol Bulldog because it was conceived in Bristol, has a good bite, and is both simple and strong.

- Adjustable to fit most culverts down to 850mm inside height
- Can be deployed in pairs or in fours for high compaction loads
- Always works toward the 'mouth' of a culvert run
- Avoids the need for long wire ropes inside the culvert
- LGS offer a variety of 'bolt ons' to help with every application
- For ultra low height culverts, LGS have developed and offer the 'Chair'
- All fully certified

We would welcome the opportunity to talk to you through the Bristol Bulldog system.



CHECK LIST

- What are the dimensions of the culverts you intend to pull?
- Will you need to lift the culverts?
- Do you need any DEHA/FRIMEDA lifting links?
- Do you require transport?

BLOCK GRABS



LGS offer a range of Grabs for your particular need.

- 700kg to 1500kg capacity
- Jaw lengths from 400mm to 1200mm depending on model
- Spans from 100mm to 1080mm
- All fully certified

LGS also offer Kerb Grabs and Vacuum Lifters.

Please contact our staff for more information.

CHECK LIST

- What capacity and span do you need?
- Do you require a Hoist?
- What type of material are you lifting?
- Do you require Slings and Shackles?
- Do you require transport?

KERB GRABS



In addition to Block handling grabs, LGS can also provide a comprehensive range of grabs for handling a variety of Kerb stones, whether they need to be handled 'End on' or 'Round the Belly'.

- Semi or Automatic operation
- Full certification

Please call us to get any further information you need.



CHECK LIST

- What is the weight of your Kerb?
- Do you know its dimensions?
- Do you require slings?
- Did you now LGS also offer Paver carts?
- We also offer Rough Terrain Pallet Trucks
- Do you require transport?

CRANE FORK ATTACHMENTS



These transfer many of the functions of a Pallet Truck or a Fork Lift Truck – to the crane.

- 2000kg capacity
- 480mm to 880mm fork widths
- Supplied with a safety net
- Self balancing
- All fully certified

Please call us to get any further information you need.

CHECK LIST

- What capacity and fork width do you need?
- Do you require additional Slings and Shackles?
- What are you lifting?
- Do you require transport?

MANHOLE PINS



LGS offer a wide range of ancillary equipment for the slinging and handling of concrete items, i.e. Manhole Chamber Rings, Pipes etc.

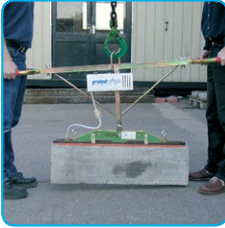
- Fully certified

Please call us to get any further information you need.

CHECK LIST

- What capacity do you need?
- Do you need anything else such as a Chain Sling, Shackles, etc?
- Have you checked the size of your load i.e. wall thickness etc?
- Do you require transport?

VACUUM KERB LIFTERS



Flexible and powerful hand operated laying devices 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, can also be mounted on other devices.
- Powered by 12v rechargeable battery. Handles for 2 man (positioning only) operation which are height and width adjustable to accommodate different laying tasks.
- Equipped with suction plate and lifting eyelet for crane hook.

Carrying Capacity* (kg)	Dead Weight (kg)	Suction Plate Dimension (mm)**
150	16.5	oval 440 x 250

* Value at 400mbar low pressure ** Other suction plate sizes available for kerb applications

CHECK LIST

- What capacity and span do you need?
- Do you require a Hoist?
- What type of material are you lifting?
- Do you require Slings and Shackles?

VACUUM STONE MAGNET



Handy, powerful and cordless vacuum lifting device for laying of dense stone slabs, concrete elements and pipes. Specially designed and equipped for heavy duty work on construction sites.

Standard Specifications

- Robust and compact with crane hook facility and quick change 580 x 280mm suction plate
- Powered by rechargeable, exchangeable 12v battery
- Automatic control system to start the vacuum pump after loss of pressure
- Equipped with 2 vacuum pumps as standard

Carrying Capacity* (kg)	Dead Weight (kg)	Suction Plate Dimension (mm)**
400	38	ca 580 x 280

* Value at 500mbar low pressure ** Other suction plate sizes available for kerb applications

CHECK LIST

- What capacity and span do you need?
- Do you require a Hoist?
- What type of material are you lifting?
- Do you require Slings and Shackles?

GENIE MATERIAL LIFTS & ROUSTABOUTS



Lifting Gear & Safety keep a wide range of Genies to suit your height requirement and nature of lift. Such a popular item these days, it's hard to imagine how we managed before.

- Capacities up to 680kg and up to 7.5m lift
- Aluminium construction and easy to handle and transport
- Transport required – 1.5t dropside or upright on a pick-up
- Air Hoists operate on CO² or compressed air and offer (on top platform) up to 5.6m height of lift
- Roustabouts are an ingenious device that can often replace Chain Blocks and pullers
- All units fully certified

Please ask our staff for any more information you need.

CHECK LIST

- What capacity do you need?
- Are there any site restrictions?
- What height of lift do you need?
- Do you require any other material handling equipment?
- Do you require transport

SCAFFOLD HOISTS



LGS offer both the standard scaffold mounted range of hoists and with frame to allow the hoist to travel.

- 200kg capacity
- 110 volt single phase normal, but other voltages available
- Low voltage pendant control
- All fully certified

Customers need to ensure that their power supply is appropriate in relation to the position of the hoists to avoid the phenomenon of voltage drop and should seek competent electrical advice.

The following table is for guidance only and some details may vary. Please call us to get any further information you need.

GANTRY HOIST

Capacity (kg)	Height of Lift (m)	Voltage	Gantry Height (m)	Hoisting Speeds (m/min)	Ballast Required (kg)
300	25	110/220	2	25	350
500	25	110/220	2	22	550
1000	25	110/220/415	2	11	1100

SCAFFOLD HOIST

Capacity (kg)	Height of Lift (m)	Voltage	Hoisting Speeds (m/min)	Hoist Weight (kg)
200	25	110/220	25	33

CHECK LIST

- What capacity do you need?
- What height of lift do you need?
- What electrical power source is available?
- Do you require Slings and Shackles to connect to the load?
- Do you require any other material handling equipment?
- Do you require transport?

HYDRAULIC JACKS



LGS offer a wide range of Hydraulic Jacks, each designed to raise and lower with maximum safety and control.

- 5t to 100t capacities
- Many models available with Claw attachments for low loads
- Strokes up to 305mm
- All Jacks fully certified

Please call us to get any further information you need.

CHECK LIST

- What capacity do you need?
- Do you require a Lifting Claw attachment?
- Is the load to be left in the raised position?
- What stroke do you need?
- What headroom is available?
- Do you have room to operate the Jack?
- Do you require transport?

HYDRAULIC CYLINDERS AND PUMPS



The permutations for Ram & Pump assemblies are almost endless and LGS will be happy to advise on the right set-up for your application.

Cylinders

- 5t to 1000t
- A variety of strokes and closed heights
- Single Acting Cylinders – for general applications
- Double Acting Cylinders – for hydraulic return
- Hollow Rams – for all pushing and pulling applications
- Locking Collars – for sustained load holding

Pumps

- Single speed for general use
- Two speed for larger cylinders (with auto speed change)
- Motorised Pumps with choice of power

Extras

- 2,3 & 4 way Manifolds – for use in multi-ram applications
- Gauges to indicate pressure/loads
- Control Valves – to control oil flow and isolate an individual cylinder
- Hoses – in various lengths (with quick connect couplers)

All units issued with a full inspection certificate.

Please call us to get any further information you need.

CHECK LIST

- What capacity do you need?
- What type of Pump do you need?
- Do you require Manifolds, Gauges, Valves etc?
- What stroke do you need?
- What length of Hose do you need?
- Do you require a site visit / technical help?
- Do you require transport?

AIR JACKS



These Kevlar reinforced, virtually indestructible Air Jacks are a lightweight, highly portable solution for jacking operations in difficult conditions. With incredibly low dimensions they can slip under the tightest of gaps and can often be used on surfaces that could not possible sustain a conventional upright jack.



Used singly or in pairs with one hand held controller, Air Jacks don't have the traditional 'head' and can be used for a variety of applications ranging from Rescue operations to machinery lifts. In fact anything where extreme low height is need.

- Up to 25mm low height
- Up to 62 tonne per single jack
- Precise inflation and deflation
- Inflated in seconds
- Lightweight
- Easily transported

CHECK LIST

- What capacity do you need?
- What is the ground 'gap'?
- How many jacking points will you need?
- What are the ground conditions?
- What is the load bearing surface?
- Do you require transport?

ROLLER CROWBARS & MANHOLE COVER LIFTERS



If you are moving or positioning loads on the ground, Roller Crowbars can be invaluable, whilst Manhole Cover Lifters provide a simple solution in the field.

- Manhole Cover Lifters come with a variety of keys to suit all types of cover
- Max load 3t
- All fully certified

Our staff will be pleased to offer more details.

CHECK LIST

- What type of Crowbar do you need?
- Do you require a 2 or 4 key lift application?
- Do you require personnel protection equipment?
- What type of Manhole Cover Lifter do you need?
- Do you require other load moving equipment?
- Do you require transport?

MACHINE MOVING SKATES



LGS offer both the Steel Roller Track and Nylon Wheeled patterns, and even Air Skates for ultimate flooring.

- Up to 100t on Steel Roller Track models
- Nylon Wheels – great for delicate flooring
- Steering Turntables available for steel tracks
- Integral turntables on Nylon Skates
- Air Skates for minimal effort and very fine floors
- All fully certified

Please call us to get any further information you need.

CHECK LIST

- What type and capacity do you need?
- Do you require a Tirfor or Winch to move the load?
- What is the condition of the floor surface?
- Do you need to steer the load?
- Do you require Jacks to raise the load?
- Do you require Slings or Shackles?
- Do you require transport?

PALLET TRUCKS



We hold a variety of Trucks to suit your particular need.

- Up to 2.5t capacity
- The ever popular Standard Truck for general handling
- Hi-lift Pallet Trucks for raising the load to a convenient working level
- Rough Terrain Trucks allow the movement of pallets over difficult ground
- All fully certified

Please contact us for further details.

CHECK LIST

- What capacity do you need?
- What are the site conditions?
- What height of lift do you need?
- Do you require transport?

CABLE DRUM JACKS



We are showing jacks for maximum size drums here but it's more usual to use smaller jacks. These can be Rack & Pinion type, Screw Jacks or Timber Base Mounted Ratchet Jacks.

- Up to 10 tonne per pair
- Rack & Pinion Jacks have wheels for manoeuvrability
- The units shown are one man operation
- All fully certified

Our staff will be pleased to offer more details.

CHECK LIST

- What capacity do you need?
- Do you require a drum axle?
- What size of drum are you lifting?
- Do you require transport?

BOGEYS & PIPE BOGEYS



LGS offer both Platform Bogeys for general handling and moving of heavy items, and Pipe Bogeys for moving pipe and joist sections.

- Fully certified

Please call us to get any further information you need.

CHECK LIST

- What capacity do you need?
- Do you require lifting equipment?
- What type of Bogey do you need?
- Do you require transport?

FLOOR CRANES



LGS keep a number of different cranes to cater for those special lifts where access and lifting path are restricted.

- 0.5t to 2.5t capacity
- Adjustable reach
- Counter balance units available
- Can be moved under load
- All fully certified

Please contact us for further details.

CHECK LIST

- What capacity do you need?
- Can you gain access to the load with a Floor Crane?
- Do you require Ballast Weights?
- What height of lift do you need?
- Do you require Slings and Shackles?
- Do you require transport?

SACK TRUCKS & STAIR CLIMBERS



These speak for themselves, but you might like to know that LGS also offer a Combination Truck that can operate either as a conventional Sack Truck or – horizontally as a Dilly.

Please contact us for further details.

CHECK LIST

- What capacity do you need?
- Do you require other moving equipment?
- What type of Sack Truck do you need?
- Do you require transport?

LOAD INDICATORS & COMPRESSIVE LOAD CELLS



LGS offer a huge range of units to suit every weighing or force measuring need.

- Units come with a Shackle at each end
- Remote reading, by control cable or in unit
- Compressive Load Cells available as single unit or multiples
- All fully calibrated

Please call us to get any further information you need.

CHECK LIST

- What capacity do you need?
- Are you measuring tensile or compressive forces?
- Do you require a remote readout?
- Do you require any jacking equipment?
- Do you require extra Shackles and Slings?
- Do you require transport?

SAFETY ANCHOR TENSION TESTERS



LGS Tension Testers enable engineers to check and confirm the holding power of Eyebolts and other anchor points in most construction materials.

- Tensile loads up to 25kN
- For larger loads, please consider Hollow Bore Hydraulic Cylinders
- All certified and calibrated

Please call us to get any further information you need.

CHECK LIST

- What type of anchor/fixing needs testing?
- What test load is needed?

TEST WEIGHTS



LGS can supply a wide range of Weights from standard Hand Weights to Slab, Cheese and Coffin. Weight Cages also available for hoisting and Weight Boxes for easy transporting on site.

Our staff will be pleased to help with your enquiries.

CHECK LIST

- What type of Test Weight do you need?
- What are the conditions of site access?
- Do you require hoisting equipment?
- What total weight do you need?
- Do you require load moving equipment?
- Do you require transport?

MAN RETRIEVAL TRIPOD & WINCH



For controlled and safe access to confined areas, LGS have a wide selection of devices.

We can offer a package including the Harness, Gas Monitor and Escape Breathing Apparatus.

- All fully certified

Please call us to get any further information you need.

CHECK LIST

- In what environment will the Tripod be used?
- Do you require a Fall Arrestor?
- Do you require Breathing Apparatus?
- Do you require a Safety Harness?
- Do you require a Gas Detector?
- Do you require a Safety Line?

MOBILE MAN ANCHOR



This has been specifically designed to provide short term safety for low frequency operations where guard rails are not provided. It is ideal for short term maintenance operations to flat roofs or to the plant and equipment installed at roof level such as AC units, telecommunication equipment etc.

Please call us to get any further information you need.

CHECK LIST

- Do you require a Safety Harness?
- Do you require Breathing Apparatus?
- Do you require an Access/Retrieval Tripod?
- Do you require an anchorage?
- Do you require a Gas Detector?
- Do you require a Safety Line?

SAFETY HARNESS & LANYARD



LGS are pleased to offer the Harness for your application. The most popular by far being the Full Body Harness with waist, chest and leg straps to maximise support on the event of a fall.

- Accessories include Shock Absorbing Lanyards, Dover Clamps, Slide Chucks and many more
- LGS scrap it's Harnesses and Lanyards to a strict age scheme regardless of appearance. This ensures that there is no chance of UV degradation and that you can be confident your harness and lanyard are in first class condition.
- We place Comfort and Safety as our top priority
- All fully certified

Our staff would be happy to help should you need it.

CHECK LIST

- In what environment will the Harness be used?
- Do you require Breathing Apparatus?
- Do you require a Fall Arrestor?
- Do you require an Access/Retrieval Tripod?
- Do you require a Gas Detector?
- Do you require a Safety Line?

FALL ARRESTORS



We offer a wide range of units with differing cable lengths, with simple fall arrest or with retrieval ability.

- Fully certified

Our staff are on hand to help you.

CHECK LIST

- Do you require a Safety Harness?
- Do you require an Access/Retrieval Tripod?
- Do you require Breathing Apparatus?
- Do you require an anchorage?
- Do you require a Gas Detector?
- Do you require a Safety Line?

GAS DETECTORS



We can supply almost any type needed, but our most popular hire unit is the Four Gas Detector.

- All units fully certified and calibrated

We are on hand to help and advise you.

CHECK LIST

- Do you require a Safety Harness?
- Do you require a Fall Arrestor?
- Do you require an Access/Retrieval Tripod?
- Do you require Breathing Apparatus?

BREATHING APPARATUS



Almost always used in conjunction with a Gas Monitor and a Tripod, these units are simple, reliable, lightweight and safe.

- All units fully certified and calibrated

Please ask for further information.

CHECK LIST

- Do you require a Safety Harness?
- Do you require a Fall Arrestor?
- Do you require an Access/Retrieval Tripod?
- Do you require a Gas Detector?

DOVER CLAMPS & SAFETY LINES



Dover Clamps

Designed for fitting on steel beam flanges, these mobile anchorage devices have 4 nylon rollers which allow construction workers to work safely while retaining considerable freedom of movement. 2 versions available to accommodate up to 380mm or 640mm flange widths.



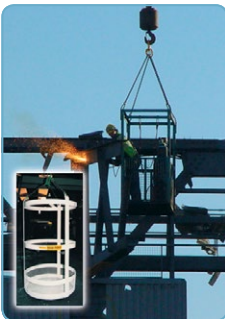
Horizontal Safety Lines

Lifeline Systems can be supplied for various types of installations including wall, ceiling, post, roof ridge, terrace and framework etc. Lifelines and associated accessories like anchor plates and carabiner shuttles etc are available. Consult your branch to obtain a system suitable for your application.

CHECK LIST

- In what environment will the harness be used?
- Do you require Breathing Apparatus?
- Do you require a Fall Arrestor?
- Do you require an Access/Retrieval Tripod?
- Do you require a Gas Detector?
- Do you require a Safety Line?

MAN CAGES FOR SUSPENDED ACCESS



From single operator to multi-personnel models, LGS can supply them all. All of course are fully certified. We just need to know what you require and we'll be pleased to advise.

- All cages fully certified

Please call us to get any further information you need.

CHECK LIST

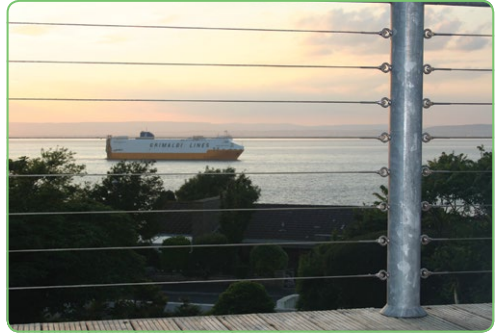
- Do you require a Safety Harness?
- Will tools and equipment be carried?
- Do you require a Fall Arrestor?
- Do you require a means of lifting/lowering?

ARCHITECTURAL RIGGING

Along with the manufacture of Wire Rope Slings and assemblies, LGS offer Architectural Rigging as a rather unexpected product.

We have many years of experience in the swaging of Stainless Steel Wire Rope and components.

The pictures tend to say it all but we hope that, if you do have a requirement, you'll contact us for free advice.



Threaded Studs, Eye Terminals, Fork Ends, Rigging Screws and Ball Ends, are just some of the fittings we can swage – the range and choice are almost endless.

While on the subject of Wire services, LGS are also approved installers of Roof Safety Line Systems.

ARCHITECTURAL RIGGING

There are literally thousands of options for fittings. Here is a brief indication of some of the more popular solutions, which are illustrated simply as a starting place for more detailed discussion. LGS can of course provide fully detailed information before selecting the fittings you need.

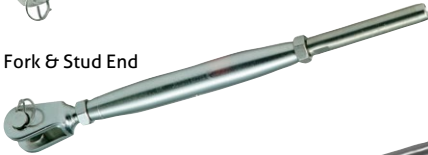
RIGGING SCREWS

CLOSED BODY

Fork & Fork



Fork & Stud End



Stud Each End



SWAGE TERMINALS

Threaded Stud



Eye Terminal



Welded Fork Terminal



FIXED EYE TERMINALS

Long Shank
Eye Bolt



Short Shank
Eye Bolt



Eye Nut



INSIDE THREAD TERMINALS

Dome Nut



Ball End



BRANCHES & CONTACTS

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NOTES

A large grid of graph paper for taking notes, consisting of 30 columns and 40 rows of small squares.



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