

BRITLIFT

INNOVATION IN LIFTING



Innovative / Flexible / Approachable

BRITLIFT: INNOVATION IN LIFTING

OUR MISSION

To provide safe and secure solutions for lifting operations and to help ensure that the correct and most suitable equipment is used for every lift.

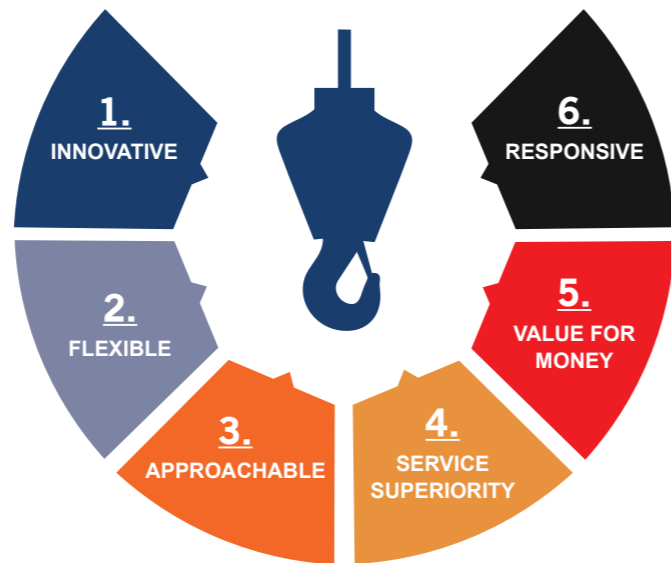
OUR VISION

To be globally recognised as one of the most forward thinking and innovative below the hook designers and manufacturers and to build strong partnerships within the industry to facilitate the continued progress of safety within lifting.

Britlift was established to drive innovation, creativity, flexibility and improve customer service. We can only achieve this through effective and clear communication with both our suppliers and valued client base.

OUR DIFFERENTIATORS

At Britlift, we pride ourselves on these unique qualities, because we are:



WHAT DO BRITLIFT DO?

LIFTING BEAMS

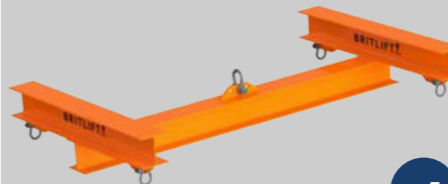
Common solutions for indoor and other low height (low headroom) situations.



p.3

LIFTING FRAMES

Lifting Frames or Spreader Frames are ideal for 4-point lifts.



p.5

MODULAR SPREADERS

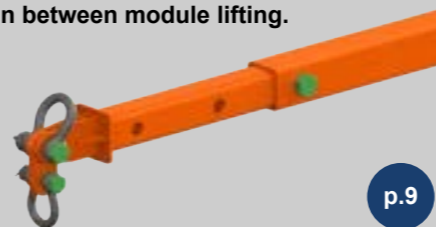
The LIGHTEST traditional modular spreader on the market.



p.7

TELESCOPIC SPREADERS

The perfect solution for lifting modular units where adjustments are required in between module lifting.



p.9

RIGGING DESIGN

Britlift can design and manufacture in accordance with any global standards, upon request.



p.10

CASE STUDIES

Britlift offer a completely customised service suited to your needs.



p.15

LIFTING BEAMS

KEY FEATURES OF LIFTING BEAMS

Lifting beams are common solutions for indoor and other low height (low headroom) situations such as movements for Rail or where a direct connection to the crane hook is required. They are also often used where multiple bottom connection points (or adjustability) are required. Britlift design and manufacture lifting beams from capacities as low as 100kg to in excess of 250 tonnes, with lead times as low as 1 week (where stock material is used) to 3 weeks.



UKCA & CE Marked and compliant with BS EN 13155, LOLER, PUWER, EC Machinery Directive.



Trunnion Lifting Beam with easy handling solution



Module lifting system with 10m adjustable lifting beam



Counterweight Lifting Beam – WLL 2.5 tonne

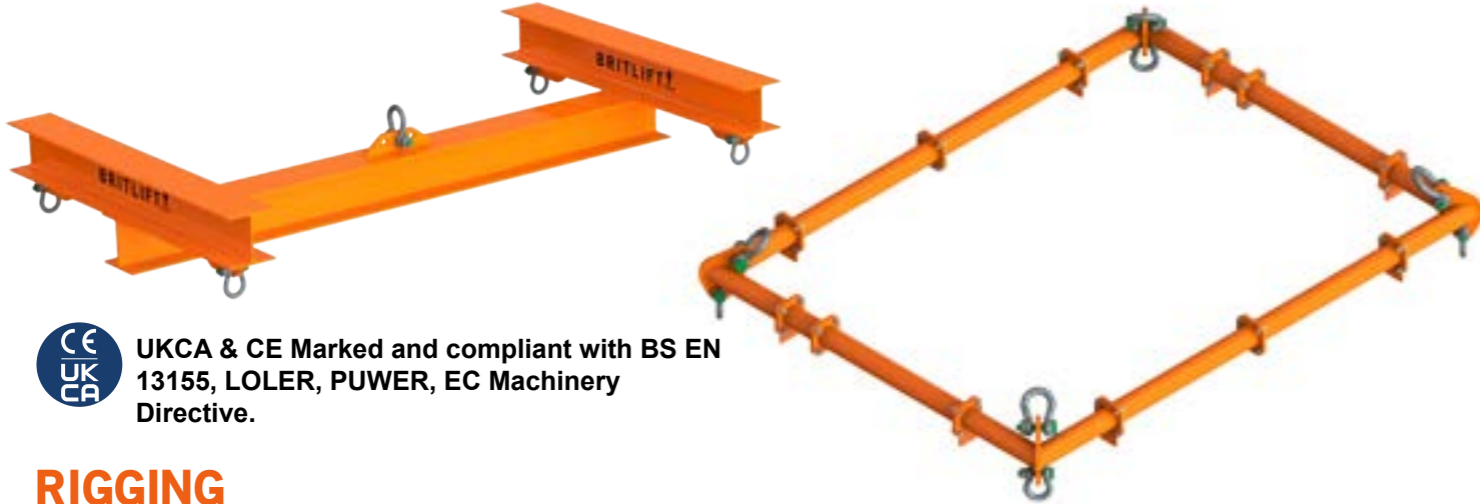


Lightweight Underbeams with adjustable lifting points

LIFTING FRAMES

KEY FEATURES OF LIFTING FRAMES

Lifting Frames or Spreader Frames are ideal for 4-point lifts where there is a low headroom requirement, or where a cascading arrangement of spreader beams cannot be used. Our engineers have years of experience designing and manufacturing these frames and can help ensure that you get the right frame for your specific lift.



UKCA & CE Marked and compliant with BS EN 13155, LOLER, PUWER, EC Machinery Directive.

RIGGING

Britlift can also design and supply you with all the supporting rigging including chain/wire rope slings, shackles etc.



H-Frame with adjustability for offset CoG



Fully adjustable H-Frame for nuclear application



Fixed Spreader Frame




Spreader Frame with removable struts

MODULAR SPREADER BEAMS

KEY FEATURES OF THE TRADITIONAL (T) MODULAR BEAM

The Britlift traditional modular spreader beam (T-Series) is available off-the-shelf and in a huge range of standard sizes. The T-Series has been optimised to make it the lightest traditional modular system in the world which helps to ease the burden upon riggers, and speed up assembly - particularly for the heavier duty beams.

 UKCA & CE Marked in accordance with EN13155, EC Machinery Directive, LOLER, PUWER. Conforms with most global lifting standards.

✓ IN STOCK
AVAILABLE NEXT DAY



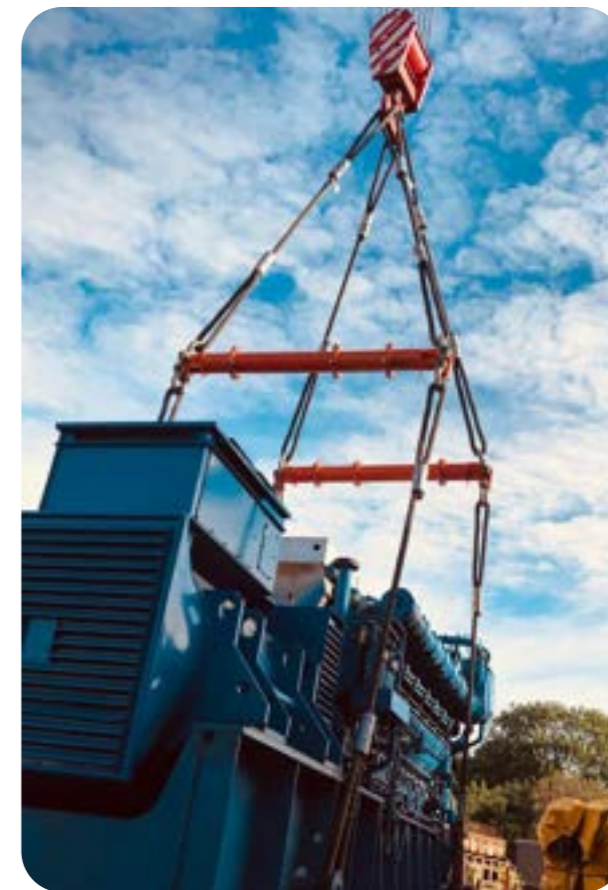
SIZES 250 TONNE +
MADE TO ORDER

T4 T8 T13 T24 T34 T50 T70 T70H T110 T110H

MAXIMUM CAPACITY (TONNE)	4	8	13	24	34	50	70	100	110	170
MAXIMUM SPAN	4.5 M	4.5 M	6.5 M	8 M	10 M	13 M	14 M	14 M	18 M	18 M
SELF-WEIGHT AT MAX LENGTH	36 KG	37 KG	81 KG	164 KG	247 KG	482 KG	951 KG	1017 KG	1722 KG	1742 KG

BENEFITS

-  Lightest system on the market.
-  Off the shelf - In stock, available today.
-  Easy to transport - All beams in this system can be broken down into individual components which range from 0.25 - 6m.
-  Versatile - Can be reconfigured to suit multiple lists of varying sizes.
-  Custom lengths can be manufactured.
-  Additional options - NDT, third party verification /witnessing, project specific proof load testing, material certification and custom paint spec available.
-  Heavy lift - Standard sizes available from 110 tonne up to 1500 tonne. In-house 1500 tonne compression test bed.



51.0te engine lift using 2x T50 Spreader Beams

TELESCOPIC SPREADER BEAMS

KEY FEATURES OF TELESCOPIC SPREADERS

Telescopic Spreader Beams are custom fabricated item that operates in the same way as the modular spreader beams but makes adjustment a lot easier and quicker. The main thing to consider when choosing between this system and a modular system is: which is more important, self-weight or speed of adjustment. Telescopic Spreaders are roughly 50% heavier than their modular sibling but adjustment is made by pulling a pin and sliding, as opposed to unscrewing and re-screwing 4-8 bolts.

A Telescopic Spreader Beam is the perfect solution for lifting modular units where adjustments are required in between module lifting.



UKCA & CE Marked and compliant with BS EN 13155, LOLER, PUWER, EC Machinery Directive.



RIGGING

RIGGING DESIGN

Spreader Beams are a very versatile solution for multiple lifting requirements. From 2 points of lift, to 4, to 6 or 8, as long as you have the head height available (distance between the hook and the load) then a spreader beam system is a cost effective and easily accessible lifting solution.

Britlift can design you a rigging system and supply any chain/wire rope/synthetic slings, connectors, shackles, hooks, etc.

These images show just some of the ways that spreader beams can be used effectively in a rig.



Single Spreader
2 POINTS OF LIFT



Single Spreader (Two Leg)
4 POINTS OF LIFT



One Over Two
4 POINTS OF LIFT



One Over Two Inline
4 POINTS OF LIFT



One Over One Inline
3 POINTS OF LIFT



One Over Three
6 POINTS OF LIFT

LATTICE SPREADER BEAM

KEY FEATURES OF A LATTICE SPREADER BEAM (LAT)

The Britlift Lattice Spreader Beam comes in two sizes (LAT-3 and LAT-6, 3 tonne and 6 tonne respectively) and has been designed to lift loads at up to 44m in length in the most cost effective and economical way. The engineers at Britlift designed the system with transportation, storage, handling and self-weight at the forefront of their minds.

POSSIBLE APPLICATIONS (NOT LIMITED TO)

- Lifting of roofing sheets
- Façade panels
- Long pipe sections
- Bundles of long tube/bar
- Wind turbine blades/parts
- Rail sections



CONTAINER LIFTING SYSTEMS

STANDARD SPREADER CONTAINER LIFT

This is the easiest and most economical way of lifting a container. Supplied in only a couple of days this is the most economical solution for container project lifting.

The whole system offers flexibility and the adjustable slings allow for an offset centre of gravity (CoG).



LOW HEADROOM CONTAINER LIFT

If you have headroom restrictions (low height availability) then a custom design and fabricated lifting beam maybe what you need.

Britlift will work with you to design the best system to suit your specific needs.

All required rigging can be supplied alongside a detailed rig drawing.



CERTIFICATION

STANDARD CERTIFICATION

All Britlift manufactured products, as standard, comply with the following global standards:

U.K. and Europe:

- EC Machinery Directive - 2006/42/EC
- BS EN 13155:2003+A2:2009 - Cranes. Safety. Non-fixed load lifting attachments
- LOLER: 1998 - Lifting Operations and Lifting Equipment Regulations
- PUWER: 1998 - Provision and Use of Work Equipment Regulations

Global

- ISO 17096-2015 - Cranes. Safety. Load Lifting Attachments

United States

- ASME B30.20:2013 Below-the-Hook Lifting Devices
- ASME BTH-1:2017 Design of Below-the-Hook Lifting Devices

SPECIFICATION STANDARDS

Britlift can design and manufacture in accordance with any global standards, upon request. For further information, please see our website or contact us now.



SERVICES

ADDITIONAL SERVICES

A core component of Britlift's business is consultation. Our engineers have years of experience within the lifting industry and are available to help you complete your projects on time and on budget.



CASE STUDY: CUSTOM DESIGN & FABRICATION

PROJECT: CERN YOKE LIFTER

The European Organization for Nuclear Research, known as CERN, is a European research organization that operates the largest particle physics laboratory in the world.

Britlift were invited to tender and were successful with our bid due to the fact we redesigned and simplified the system and designed it to be operated easily and efficiently by just one person, unlike their previous system. A very tight tolerance on the allowable deflection of +/- 1mm was critical. The system was designed to support and clamp along the entire length of the load, holding it in place as the lift is carried out.

Manufacture Time:

- 12 weeks

Additional Supply:

- Calculations Report, Export Packing



CASE STUDY: DESIGN, FABRICATION & LIFT PLAN

PROJECT: TATA CHEMICALS (BRITISH SALT)

Britlift were initially approached by the manufacturer of the new heat exchanger but through the consultation stage of the project it became apparent that the client needed our support for the whole lift plan. We worked with the client through every stage and it resulted in a successful, safe and efficient removal of the old exchanger and installation of the new. A 40 tonne lifting beam, 25 tonne tailing beam, 50 tonne modular spreader beam and 4 off Lug Connection Blocks (for direct connection to the exchanger). Manufacture was expedited to achieve delivery for site closure.

Manufacture Time:

- 4 weeks

Additional Supply:

- Poly Round Slings, Wire Rope Slings, Shackles, High Tensile Custom Pins, Rig Plan, FEA Report, Lifting Consultation & Site Visit.



CASE STUDY: TELESCOPIC SPREADER BEAM

PROJECT: MODULAR BUILDING LIFTING IMPROVEMENTS

The client approached us to help improve and streamline their lifting operation. Their existing system was a fixed length (self-weight of 4.2 tonne) lifting beam rig (1 over 3) which was difficult to handle and adjust.

We designed and supplied 6 off 11 tonne telescopic spreader beams (3 off 2.5m - 4m and 3 off 4m - 6m) reducing rigging weight by almost 50%, to 2.2 tonne. These allowed a quicker adjustment during installation of different sized modules, reduced the overall rigging weight and improved manual handling.

Manufacture Time:

- 3 weeks

Additional Supply:

- Chain Slings, Shackles, Proof Load Test, Warehouse & on-site visit, Rig Plan

The client ordered a second set of six only 3 weeks after the first supply. A third set was then ordered 3 months after that.



CASE STUDY: MODULAR SPREADER BEAMS

PROJECT: NOV AS DEGASSING DRUM

Supplied to NOV AS to lift their Degassing Drum on the Statoil Johan Casterberg project, Britlift had to meet specific supply parameters including individual proof load testing, custom beam markings and custom spacers. As a balanced rigging system this 34 tonne one over two spreader beam rig guarantees load in every bottom sling.



PROJECT: KEVIN KEOGH CRANE HIRE (IRE)

A regular client of Britlifts, Kevin Keogh Crane Hire were contracted to lift a series of 10-14 tonne skid units and utilised a one over two spreader beam rig system (down to 6 points) to overcome an offset CoG.



CASE STUDY: HEAVY LIFT

PROJECT: 1350 TONNE SPREADER BEAMS

Contracted by Unique Group, owner of Waterweights, Britlift were asked to design, manufacture and load test (with DNV witness) two 1350 tonne modular spreader beams at 12m, which will be used in USA and Europe. Unique Group were looking to increase their load testing capabilities and the spreader beams were seen as integral to being able to offer the capacities of load test that their marine clients were looking for. The load test took place at Britlift HQ in Dorset under witness by DNV and using Britlift's own 1500 tonne compression test bed.



CASE STUDY: HEAVY LIFT

PROJECT: 284 TONNE SUPERHEATER LATTICE LIFTING FRAME

This lattice lifting frame was used to lift a 284 tonne superheater for the 300 million Euro waste-to-energy facility in Belgrade. The project will allow the Belgrade city government to close and remediate the Vinca landfill and generate over 80 MW of renewable heat and electricity. The lifting frame was an incredibly complex design and build, with a huge amount of quality requirements. At 16m in length, the frame connects directly to the superheater via 200+ connections (1mm deflection limitations) and be used to lift the superheater into place.



LOAD TESTING:

1500 TONNE COMPRESSION TEST BED

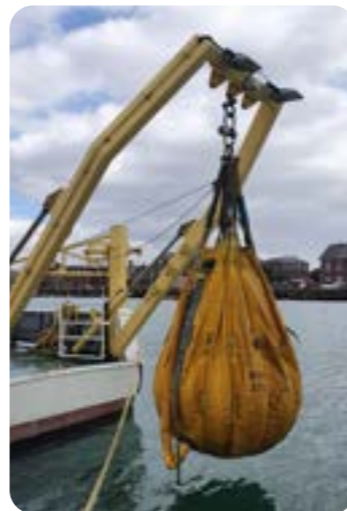
In early 2020 Britlift completed the design and manufacture of our in-house 1500 tonne compression test bed. Historically the outsourcing of testing large beams was a costly and time consuming process for our clients. Building our own test bed has since significant savings passed onto clients, a reduction in supply lead time and an increase in control and processes for testing. A large investment but a valuable asset, our test bed has already resulted in a 70% increase in spreader beam orders above 500 tonne.



LOAD TESTING:

LIVE LOAD, HYDRAULIC, MECHANICAL TESTING & LOLER INSPECTIONS

With over 25 years experience in specialist design (degree qualified), LOLER examinations, proof load testing, maintenance & repair. Britlift are a reliable partner with a flexible approach to our customers requirements and a can-do attitude. We are aware that the continued compliance of your business and safety of staff and stakeholders is of the utmost importance. Whether it be 6/12 monthly inspections or load testing of lifting/fall arrest equipment, Britlift can support, guide and advise on all things lifting.





Spreader Beams / Lifting Beams / Custom Design
Innovative / Flexible / Approachable

+44 (0)1305 236123 / sales@britlift.com / www.britlift.com

Follow us on
Linked in