

Modulift®



**Working between the
hook and the load**

Product Brochure

Safe Lifting Solutions

Lifting Equipment

Design • Engineering • Manufacture

Our Vision

To be renowned globally as specialist engineers operating in a niche market, concentrating on the provision of custom and complex lifting solutions, and exceeding our customer's expectations by providing an all round service on the delivery of value for money and quality products.

Our Mission

To globally deliver our expertise through innovative design, quality of products and customer satisfaction whilst ensuring a safe lifting environment.

Our Values

- Leadership
- Passion
- Accountability
- Innovation
- Quality
- Integrity

At Modulift, we pride ourselves on being able to offer you a complete lifting engineering service from start to finish. We are here to help you solve your lifting problems, advise on rig planning, design custom lifting equipment, or manufacture quality assured products to the highest specifications.

Modulift are there every step of the way to ensure your lift runs smoothly, on time and to budget.

You may know us best for our world renowned Modular Spreader Systems but we have now extended our services to offer you a broader service. Please read through this booklet to find out more about the new products we can provide.



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Modulift Spreader Systems

The Modulift System is a wide range of Modular Spreader System components, offering a variety of different spans for all your lifting needs.

The sizes range from 2 to 5,000 tonnes with spans available from 0.3m - 53m.

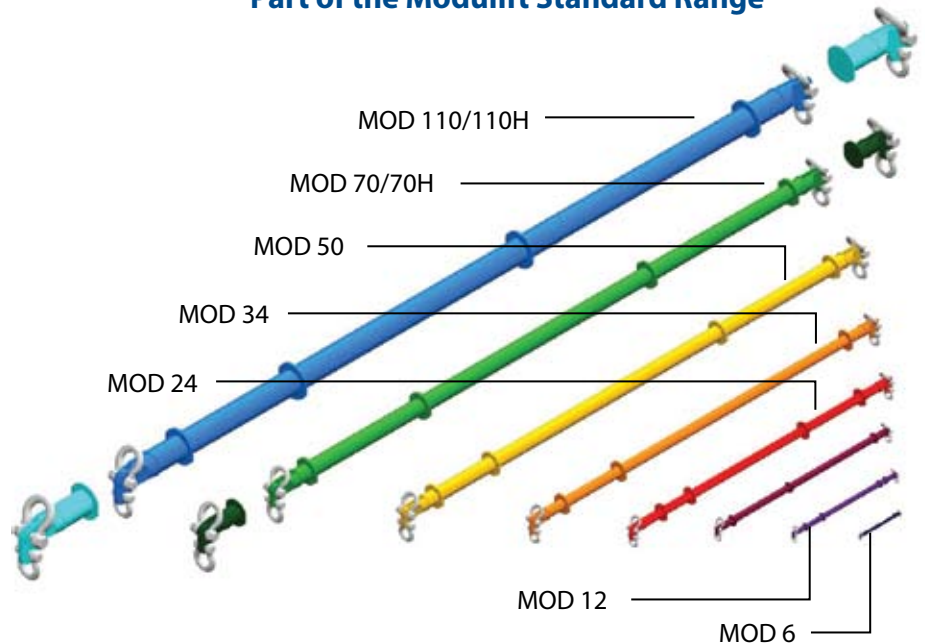
The flexibility of the modular configuration enables our Spreader Systems to be reused time and time again, providing a cost-effective solution.

What size Beam do I need?

Simple! First select the span you require, then select the WLL you need for that span.

The MOD 12, 24 and 34 are part of the PORTABLE RANGE. All components are suitable for manual handling apart from the longer struts from the MOD 24 and MOD 34 which require 2-4 people to lift them. The MOD 50 to MOD 110H are part of the HEAVY RANGE.

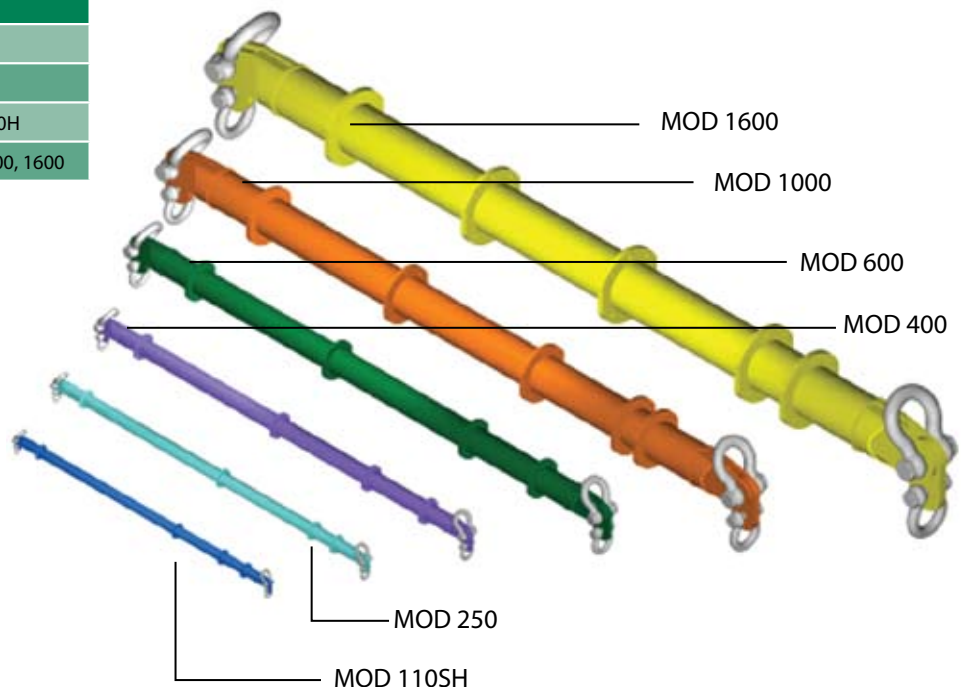
Part of the Modulift Standard Range



Range classification

Range	Modulift sizes
Maintenance	2, 6
Portable	12, 24, 34
Heavy	50, 70, 70H, 110, 110H
Superheavy	110SH, 250, 400, 600, 1000, 1600

Part of the Modulift Superheavy Range



The Modular Spreader System Product Range

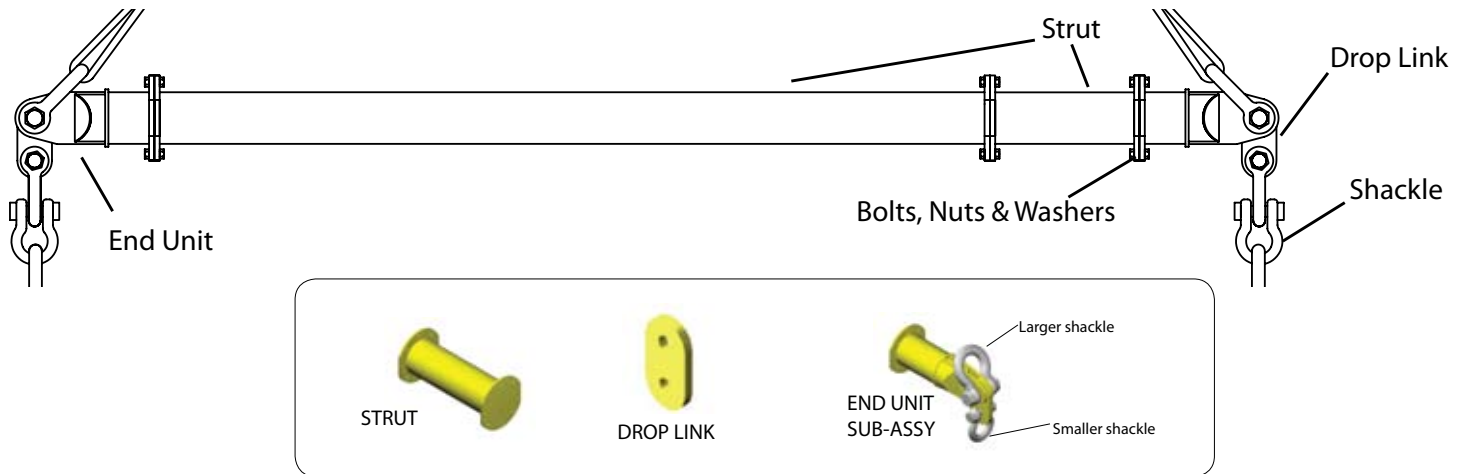
With safety being of paramount importance, lifting equipment is strictly regulated to meet with all safety and design regulations, and each Modulift Spreader System Series has been proof load tested in the Modulift compression test rig. **See page 12** for further information.

Maintenance Range	Portable Range	Heavy Range	Superheavy Range	Lattice Range
MOD 6 Up to 6 tonnes at 2.5m.	MOD 12 Up to 12 tonnes at 3m. Up to 4m at a lower capacity. MOD 24 Up to 24 tonnes at 3m. Up to 6m at a lower capacity. MOD 34 Up to 34 tonnes at 3m. Up to 8m at a lower capacity.	MOD 50 Up to 50 tonnes at 6m Up to 11m at a lower capacity. MOD 70 Up to 70 tonnes at 7m. Up to 12m at a lower capacity. MOD 70H Up to 100 tonnes at 6m. Up to 12m at a lower capacity. MOD 110 Up to 110 tonnes at 11m Up to 16m at a lower capacity. MOD 110H Up to 170 tonnes at 8m. Up to 16m at a lower capacity.	MOD 110SH Up to 240 tonnes at 6m. Up to 16m at a lower capacity. MOD 250 Up to 300 tonnes at 12m Up to 20m at a lower capacity. MOD 400 Up to 700 tonnes at 12m Up to 23m at a lower capacity. MOD 600 Up to 800 tonnes at 14m. Up to 26m at a lower capacity. MOD 1000 Provisionally up to 1000 tonnes at 23m and up to 2200 tonnes at 12m. Up to 30m at a lower capacity. MOD 1600 Provisionally up to 1600 tonnes at 19m and up to 3000 tonnes at a lower span. Up to 34m at a lower capacity.	Lattice Spreaders Up to 20 tonnes with a span from 6m to 45m. Lattice XL Up to 300 tonnes with a span from 6m to 100m.



Key Features, Advantages and Benefits

Our Modular Spreader Systems bring to you the ultimate in flexibility and value, and are suitable for a variety of jobs. With an imaginative approach you can build and easily store a stock of components to deal with an array of lifts from 0.3m to 53m and from 2 tonnes through to 5000 tonnes!

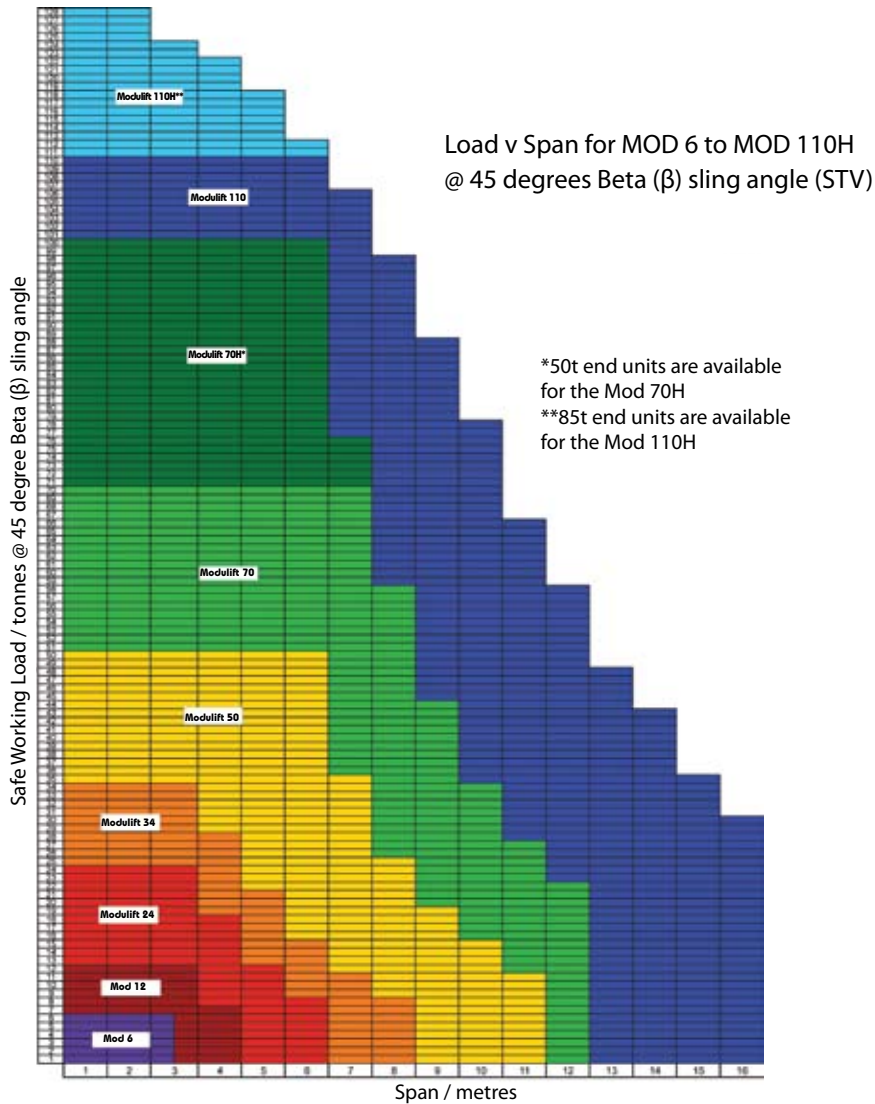


Modulift Spreaders Outperform the Competition!

Quality Engineering	Modulift are a team of specialist engineers designing innovative products to optimum specification to ensure a safe lifting environment around the world.
Interchangeable	The modular struts allow for multiple lengths to be configured for a variety of lifts. Mix and match end units with struts when long length, yet light weight lifts are required.
Economical	One Modulift Spreader System can be used over and over again for years.
Portable	Our heaviest and longest strut is only 6m – small enough for the back of a truck! Many of our Spreader System components can be handled by one person. Our QuickJoint 2 even comes in a handy carrying case complete with shackles!
Lightweight	Our Spreader Systems are specially designed to provide you with a lightweight solution so your cranes can work at maximum capacity without the weight of heavy lifting gear.
Easy to Store and Transport	For improved inventory control, organized components, quick retrieval and mobilization, ask about our storage systems, including logistics cradles and stillages.
Adaptability	Drop links provide plus or minus 6° of rotation to allow for lower sling misalignment.
Quick Ship	Call us today – we have most standard sizes in stock and ready to ship!
Custom Applications	Have one of our engineers custom design a Spreader System for virtually any lift. Please ask a member of our team about this service.

Economical Modular Spreaders with Fast Delivery

The Standard Range

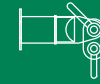


Components per Set

ITEM	Maintenance Range	Portable Range				Heavy Range	
	MOD 6	MOD 12	MOD 24	MOD 34	MOD 50	MOD 70(H)	MOD 110(H)
0.1m	1	-	-	-	-	-	-
0.2m	1	-	-	-	-	-	-
0.25m	-	1	-	-	-	-	-
0.3m	1	-	-	-	-	-	-
0.5m	-	1	1	1	1	1	-
0.6m	1	-	-	-	-	-	-
0.75m	-	1	-	-	-	-	-
1m	1	1	1	1	1	1	1
1.5m	-	1	-	-	-	-	-
2m	-	-	2	3	1	1	1
3m	-	-	-	-	-	-	-
4m	-	-	-	-	2	2	3
6m	-	-	-	-	-	-	-
End Unit	2	2	2	2	2	2	2
Drop Link	2	2	2	2	2	2	2

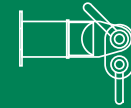
What size shackle do I need?

MOD 6



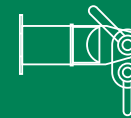
TOP: 4.75t
LOWER: 3.25t

MOD 12



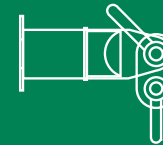
TOP: 8.5t
LOWER: 6.5t

MOD 24



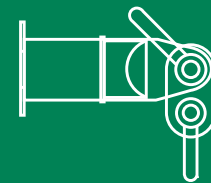
TOP: 17t
LOWER: 12t

MOD 34



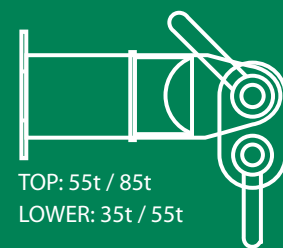
TOP: 25t
LOWER: 17t

MOD 50



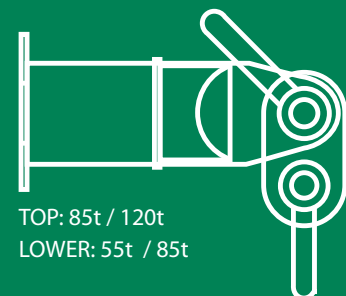
TOP: 35t
LOWER: 25t

MOD 70 / 70H



TOP: 55t / 85t
LOWER: 35t / 55t

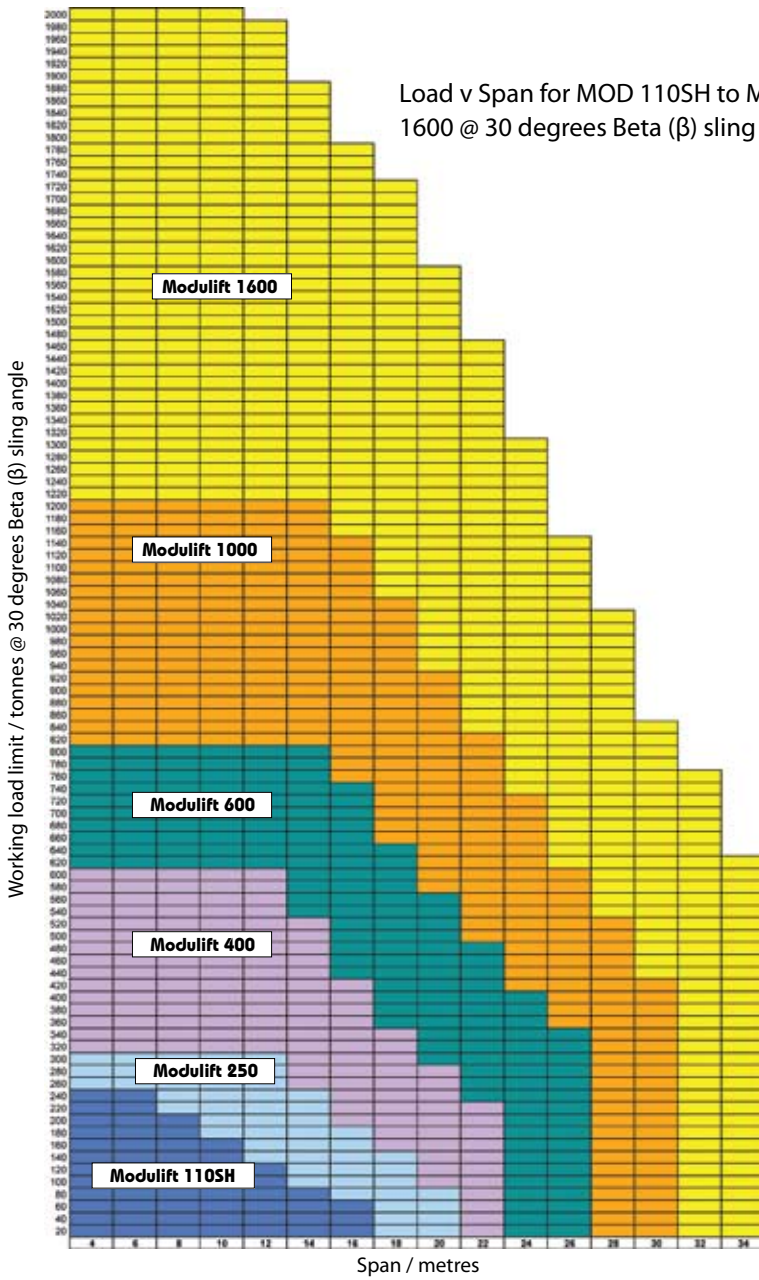
MOD 110 / 110H



TOP: 85t / 120t
LOWER: 55t / 85t

The Superheavy Range

Load v Span for MOD 110SH to MOD 1600 @ 30 degrees Beta (β) sling angle (STV)



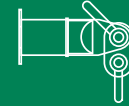
Weight per Set (kgs)

Weight	MOD 6	MOD 12	MOD 24	MOD 34	MOD 50	MOD 70	MOD 110/110H
Max Component Weight	8.1	19	41	51	140	240	367
Min Component Weight	0.6	1.5	4	7	11	17	44/55
Weight per set	28.8	73	121	264	551	908	1547/1567

Weight	MOD 110SH	MOD 250	MOD 400	MOD 600	MOD 1000	MOD 1600
Max Component Weight	444	860	1365	1380	3200	TBC
Min Component Weight	76	76	150	200	360	TBC
Weight per set	2272	3637	7285	7900	13700	TBC

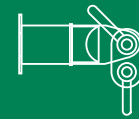
What size shackle do I need?

MOD 110SH



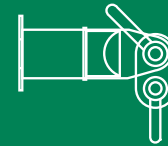
TOP: 150t
LOWER: 120t

MOD 250



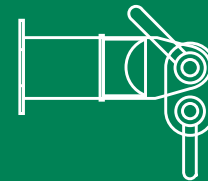
TOP: 200t
LOWER: 125t to 150t

MOD 400



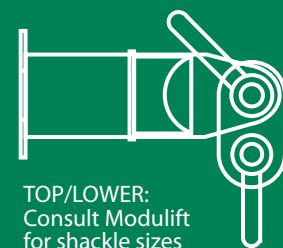
TOP: 250t to 400t
LOWER: 200t to 400t
Depending on capacity

MOD 600



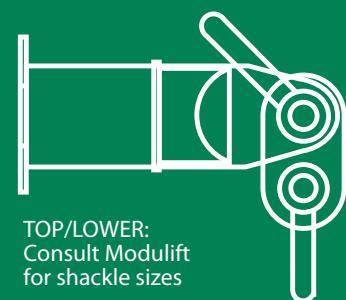
TOP: 300t to 500t
LOWER: 250t to 400t
Depending on capacity

MOD 1000



TOP/LOWER:
Consult Modulift
for shackle sizes

MOD 1600



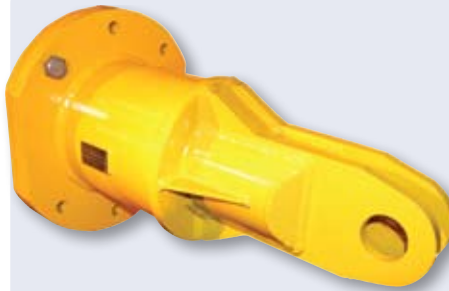
TOP/LOWER:
Consult Modulift
for shackle sizes

Accessories for the Spreader System Range



Logistics Cradles

- Safe Storage
- Efficient handling
- Instant component recognition
- Locking security case



Step-Down End Units

- For longer span and lighter loads
- Enable versatility for lifts
- Best for smaller Modulift sizes



Drop Link Cradles

- Heavy spreader accessory
- Drop link support
- Easy align for shackle fitting
- Standard for heavier MODs
- Available for MOD 110H upwards



Cone Adaptors

- For longer spans and lighter loads
- Enable versatility for lifts
- Best for larger Modulift sizes



Shackles and Slings

- For all Modulift Spreaders
- For all rigging requirements
- All types to suit all lifts

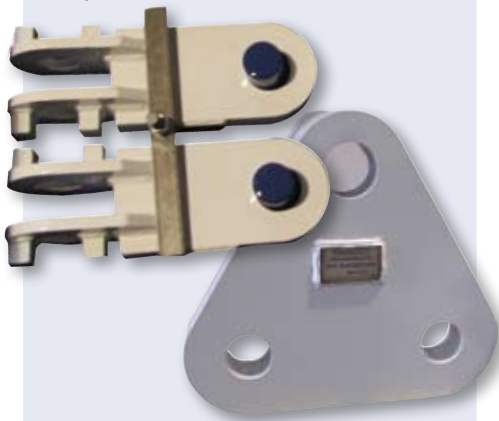


Tool Kits

- Optimized for rapid assembly and disassembly
- Portable storage tool box
- Improved safety and speed of rigging operations

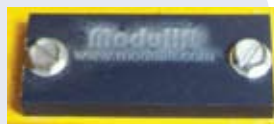
Delta and Clevis Drop Links

A range of alternatives to standard drop links are available



RFID Tags

We are now able to offer RFID ready products. We use the Syntag RFID tag, which is manufactured from an engineered composite material that overcomes the radio frequency blocking effects of traditional steel ID tags without compromising the durability required in heavy construction and industrial service. They are compatible with inspection and asset management systems from Crosby Quic-Check, InfoChip Systems, N4 Systems and iTraax.



Semi Spreader - End Units

- End unit to extend spreader
- Best for long light loads

The QuickJoint

What is a QuickJoint? - "It's only the future" says Modulift

QuickJoint (QJ) is the new addition to the Modulift Spreader System. QuickJoint has a similar arrangement to the standard Modulift Spreader system and retains all the flexibility with the improved ability to be assembled quickly.

QJ2: WLL 2 Tonnes to 1.2m

The compact size and light weight of the QuickJoint Spreader means that Spreaders no longer have to be bulky and difficult to take to site. The convenient carry case will ensure that QuickJoint creates new, easier work procedures with the ability to select, carry and use appropriate lifting equipment in machinery assembly, installation and maintenance.

APPLICATIONS:

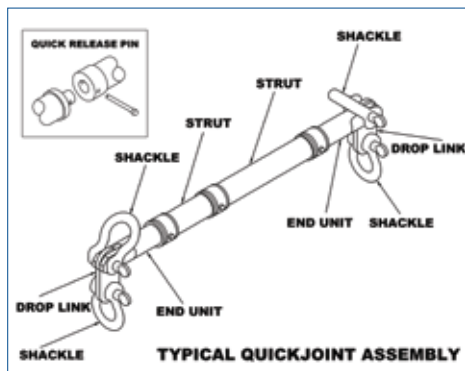
- Mechanical and Machinery Installation
- Mechanical and Machinery Maintenance
- Aerospace Maintenance
- Ship's Machinery Maintenance
- Process Equipment Maintenance

FEATURES:

- Fast assembly due to patented QJ design
- Light weight: Less than 8kg
- Handy carry case enables the QJ to be easily moved to a worksite before assembly
- Optional large carry case to enable slings, rigging and small lever hoist to be carried with QJ

BENEFITS:

- QJ's light weight aids compliance with Manual Handling Regulations and PUWER
- QJ design ensures test assembly on site, making QJ a cost effective tool
- Rapid assembly takes the chore out of correct rigging and slinging and reduces damage from sling compression



QuickJoint2 - The future of portable beams from £525

This is why we like to keep our design engineers on a diet of fish and omega oil...

1. You Wanted Fast Assembly

We wanted to give you a Spreader Beam that was quick and simple to assemble, so our team created the patented QuickJoint Design!

2. Strong But Lightweight

The entire set of components weighs less than 8kg for true portability and great durability.

3. Handy Carry Case

Our carry case enables the QuickJoint to be easily moved to a worksite before assembly.

4. Optional Large Carry Case

Our optional large size carry case will enable you to carry the slings and other rigging, including a small lever hoist with the beam.

5. Multiple Applications

QJ2 can be used for a variety of applications including installation, maintenance, aerospace and process equipment maintenance.

Lifting Beams

Our lifting beams come in a variety of shapes and sizes, and can be designed for multi-point lifts, or simple 2-point lifts. Lifting beams are ideal for when headroom is critical or a manufacturing type of environment.



Types:

Fixed Lifting Beams:

A traditional, cost effective lifting beam for single or multiple lifts of the same size. Offered with standard or multi-lifting points. Single or tandem crane application. Lifting capacities up to 2000 tonnes.



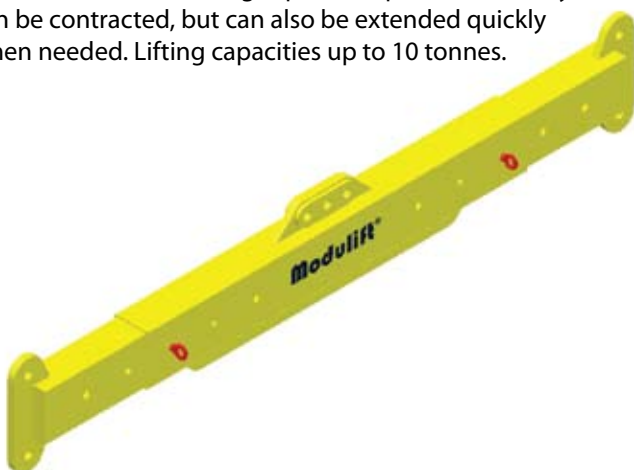
Castellated Lifting Beams:

A fixed beam with variable lifting points, which can be easily adjusted. Useful for work within a factory environment where headroom may be an issue. Lifting capacities up to 50 tonnes.



Telescopic Lifting Beams:

Ideal for use where storage space is a premium as they can be contracted, but can also be extended quickly when needed. Lifting capacities up to 10 tonnes.

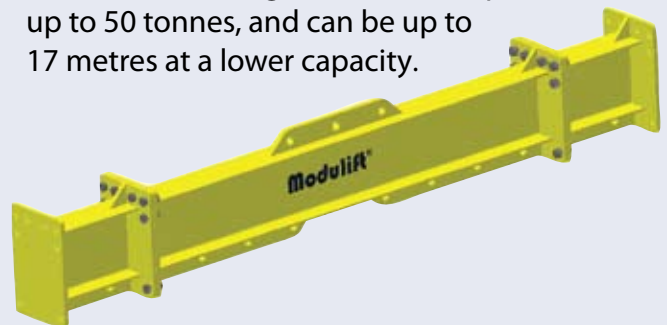


EXCITING NEWS!!!

Modulift launch the modular lifting beam!

A new development in lifting beams that follows the concept of the Modulift spreader bar but enables use where headroom is a problem.

Our modular lifting beams have capacities up to 50 tonnes, and can be up to 17 metres at a lower capacity.



New Products

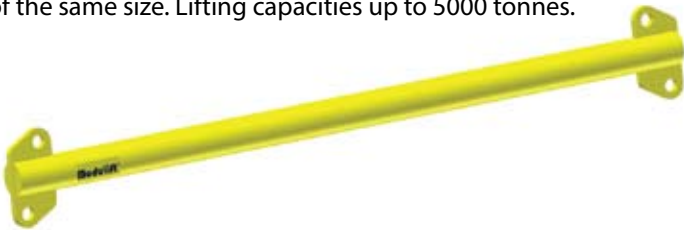
Modulift are continually striving to develop new products and to produce innovative designs.

To help you solve even more of your lifting problems we have designed a variety of new products. Please ask for further information and details of any of the products you see below and if the product you require is not shown here, please do contact us.

Our new range of products:

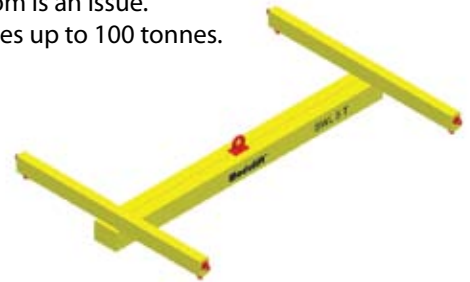
Fixed Spreader Beams:

A traditional, cost effective lifting beam for single or multiple lifts of the same size. Lifting capacities up to 5000 tonnes.



'H' Lifting Frames:

Can be used when a four (or more) point lift is required. Used for similar loads to the spreader frame, but is ideal for when headroom is an issue. Lifting capacities up to 100 tonnes.



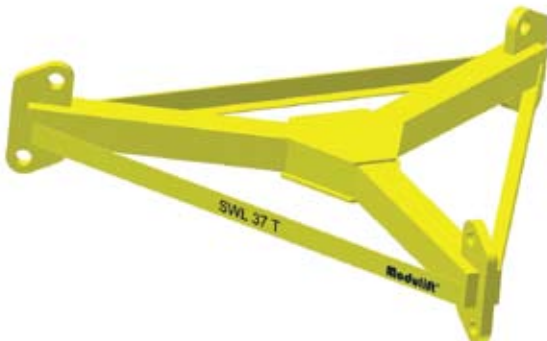
Semi-Spreaders:

Based on the standard spreader concept, but have extensions outside of the lift points to allow the lifting of longer, lighter loads.



Spreader Frames:

The solution to lifting objects with more than two lifting points that are not designed to resist loads within their own structure. Lifting capacities up to 500 tonnes.



Telescopic Spreader Beams:

Ideal for use where storage space is a premium as they can be contracted, but can also be extended quickly when needed. Lifting capacities up to 100 tonnes.



We also offer a custom design engineering service to fit all your requirements.

DNV Approved Products and Proof Load Testing

Each Modulift Spreader System Series has been proof load tested in the Modulift compression test rig and all products comply with the relevant standards as detailed below:

UK & Europe Compliance:

BS2573: Rules for the Design of Cranes: Part 1: Spec. for classification, stress calcs and design criteria for structures

BS5950: Structural use of Steelwork in Building Part 1.

Modulift Spreader Systems also conform to DNV Standard for Certification No.2.22 Lifting Appliances.

For those customers who require a higher level of quality standard, Modulift also provides options for DNV test witnessing. When a project demands the highest level of certification Modulift offer a full DNV approval service.

Modulift Spreader Systems are currently being assessed for full type approval.

USA Compliance:

ASME B30.20a-2006: Addenda to ASME B30.20-1993 for below-the hook lifting devices; our spreader systems have a minimum safety factor of 3:1 on yield strength of the material.

Ask us about the menu of options available to ensure your safe lift:

1. Modulift Spreader Systems

Produced to EN harmonised standards and ASME B30.20. Available CE Marked and supplied with a Certificate of Conformity to the relevant standard.

2. Modulift Proof Load Testing

Modulift offer an individual Proof Load Test service to those requiring a higher level of certification. Please ask for further information.

3. Modulift DNV Certified

The ultimate in certification and quality control for the most demanding project specification; a Modulift spreader manufactured to a design approved by DNV and witnessed by DNV surveyors throughout the fabrication process and proof load testing. Supplied with a design review report and certificate of conformity for manufacture and testing, issued by DNV.



Engineering Consultancy & Custom Design Services

With over 20 years experience, Modulift's team of lifting engineers are able to provide expert advice in all aspects of onshore and offshore lifting.

We can also provide a custom designed and engineered lifting solution for all your lifting requirements.

Engineering Consultancy

Whether you require advocacy in safe and effective procedures for the use of heavy lifting equipment or need RFID training to enable you to remotely take complete control over your assets, Modulift are here to help.

Custom Design Services

Not every load fits into a standard lifting mould. Our team of engineers are lifting industry experts capable of coming up with the ideal solution for your lifting requirements. With innovative thinking we can develop the right equipment to meet your needs whether they be height, environment, price, weight, flexibility of use, speed of assembly or transportation requirements to name but a few - we can design a solution for you.

Services available:

- Engineering Design
- Lifting Consultancy
- RFID Project Management
- Engineering Drafting
- Rig Planning Services
- Lifting and Rigging Training
- Contract Lifting Management and Site Supervision

Why Use Modulift?

- All our equipment conforms to the highest engineering standards and meets or exceeds government and industry regulations such as BS2573 and BS5950, and Lifting Operations and Lifting Equipment Regulations 1998 (LOLER).
- Modulift have ISO 9001:2008 and are members of LEEA and SC&RA.
- Using a specialist engineering company gives you peace of mind for a safe lift with engineers on hand to ensure everything runs smoothly.
- We can design a solution specifically designed for your needs minimising potential problems associated with using incorrect equipment.
- Reduced costs associated with: over engineering; excessive design times, individual fabrication requirements, testing and liability insurance; and damaged loads.

Rig Planning Services

At Modulift we understand that organizing a lift can be a complicated process with many factors that need to be considered. On top of all the other considerations is the rig planning for the lift. With our highly trained specialist lifting engineers, Modulift can help you.

It may be a simple system configuration or it may be a more complicated rig. Send us details of your lift including load, span, sling length restrictions, load type, centre of gravity (COG), crane type and lifting environment and we can help advise the best solution for you.

Your guide to some of the configurations available to you

1. Simple single system 2 point lift

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

2. Single system 4 point lift

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

3. 1-over-2 rig

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

4. 1-over-2 inline rig

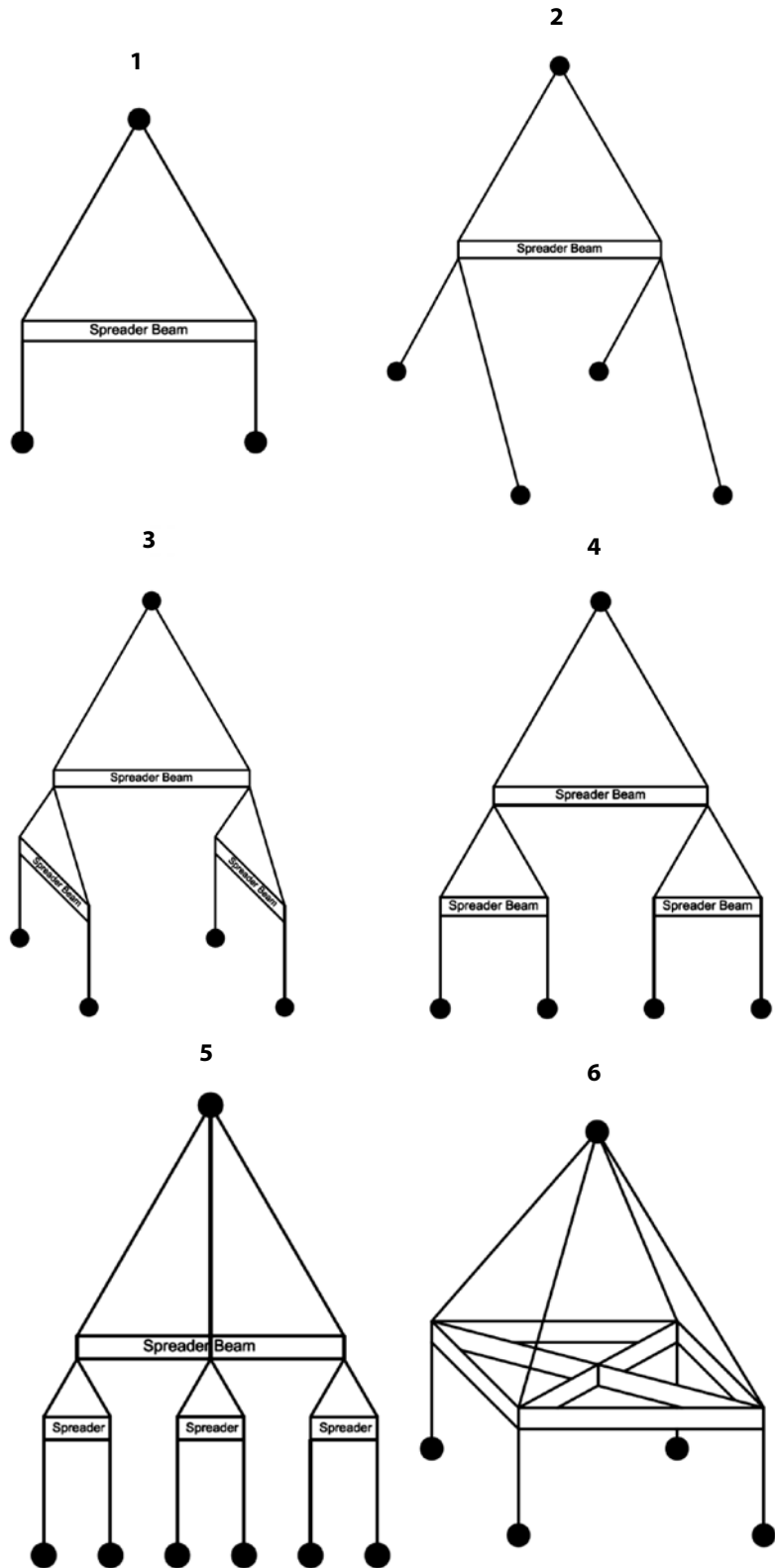
Ideal for those lifts where the span is long and potential bending of the load is a problem.

5. Various multi Spreader System rigs

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

6. Lifting Frame

We will even design custom solutions such as lifting frames!



With our in-house engineers, we can design and manufacture a custom solution for all your lifting needs!

Lifting & Rigging Training

When it comes to heavy lifting, safety and efficiency are paramount. Modulift Training Services are here to help.



As the premier supplier of spreaders and below the hook lifting equipment, we feel there is no one better than Modulift's expert trainers to advise you on our products. We offer a variety of courses at all levels to give you and your staff the expertise to use Modulift Spreaders in a safe, effective manner. We can also tailor our courses just to suit you, whatever your lifting and rigging training needs.

Training courses available include:

- **Safe Use of Modulift Spreaders**
– for Slingers and Riggers;
- **Use, Inspection and Maintenance of Modulift Spreaders** – For Supervisors;
- **Use, Inspection and Maintenance of Modulift Spreaders, inc. Rig Design**
– For Appointed Persons and Managers;
- **Bespoke Lifting and Rigging Courses**
– To suit your specific requirements.



Course duration can last from half a day to a full week depending on your needs, with rates varying per course. Call us today to discuss your training requirements.

For more information, call our team on: +44 (0)1202 621511

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Modulift[®]
working between the hook and the load

www.modulift.com