

MULTI-SEC[®]

ENGINEERED LIFTING SYSTEMS

"We do it right"



www.multisec.co.uk



MULTI-SEC®

MODULAR SPREADER BEAM SYSTEM

Versatile and cost effective, this off-the-shelf range offers a wide variety of spans, configurations and capacities to suit your specific lifting requirements.

Designed and manufactured in the UK, Multi-Sec® Modular Spreader Beams are in stock up to 250 Tonne and available immediately for worldwide distribution.

What Size Beam Do I Need?

Standard Off-the-Shelf Range

- 1 Select the span you require . . .
- 2 Select the WLL you need for that span . . .
- 3 Determine STV (sling to vertical) angle.

Multi 13		Multi 25		Multi 50	
Up to 13t at 5.75m	Up to 7.75m at a lower capacity	Up to 25t at 7.25m	Up to 9.25m at a lower capacity	Up to 50t at 9.5m	Up to 12m at a lower capacity
Multi 75		Multi 110		Multi 170	
Up to 75t at 12m	Up to 15m at a lower capacity	Up to 110t at 14.5m	Up to 18m at a lower capacity	Up to 170t at 14.5m	Up to 19.5m at a lower capacity
Multi 250		WLL Shown for 30° STV 45° STV available upon request			
Up to 250t at 15.5m	Up to 22m at a lower capacity				

Component Selection

Each assembly is made up of two end units and two drop links. Comprised with interchangeable struts that can be bolted into the assembly between each end unit to shorten or lengthen the beam to suit the requirements of your specific lift.

System	Strut (kg)							End Unit (kg)	Drop Link (kg)	Shackle (kg)	
	0.25m	0.5m	0.75m	1m	2m	4m	6m			Top	Bottom
Multi 13	9	12	16	19	33	60	88	13*	2*	4*	2*
Multi 25	19	25	32	39	65	118	171	25*	6*	8*	7*
Multi 50	37	49	60	72	118	205	302	53*	12*	19*	14*
Multi 75	71	85	98	111	164	271	377	115*	25*	40*	28*
Multi 110	93	112	132	152	230	388	545	148*	40*	62*	40*
Multi 170	126	153	180	207	314	529	744	206*	64*	116*	62*
Multi 250	214	242	254	298	410	634	859	303*	114*	190*	92*

Refer to IFU for the maximum number of components per system

*weight per unit (system requires 2)



END UNIT



DROP LINK



STRUT

**Multi-Sec®
Modular
Spreader
Beams are the
ideal solution
for an array of
lifting
applications.**



MULTI
250

MULTI
170

MULTI
110

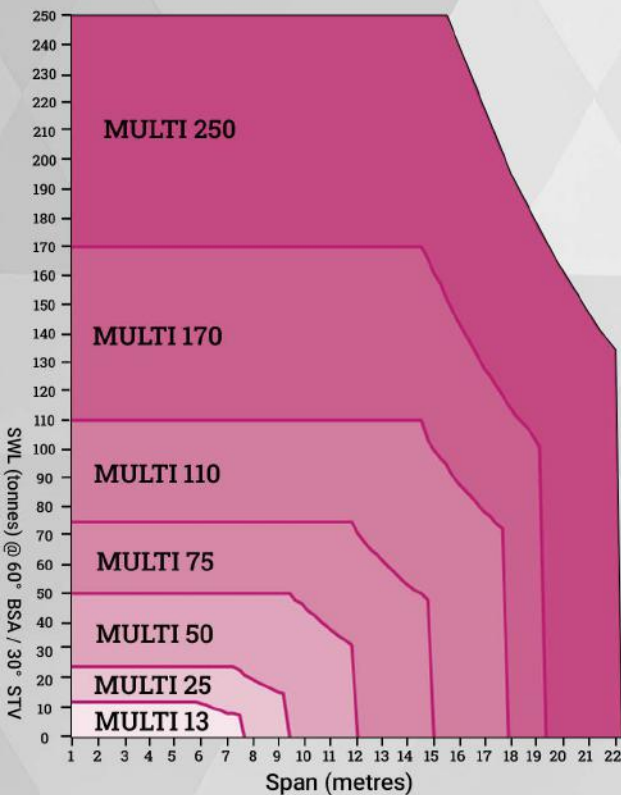
MULTI
75

MULTI
50

MULTI
25

MULTI
13

Load v Span Chart



What Size Shackle Do I Need?

Multi 13

Standard Bow Shackle
Top 9.5t / Bottom 6.5t

Multi 25

Standard Bow Shackle
Top 17t / Bottom 13.5t

Multi 50

Standard Bow Shackle
Top 35t / Bottom 25t

Multi 75

Standard Bow Shackle
Top 55t / Bottom 42.5t

Multi 110

Standard Bow Shackle
Top 85t / Bottom 55t

Multi 170

Heavy Duty Bow Shackle
Top 120t
Standard Bow Shackle
Bottom 85t

Multi 250

Sling Saver Wide Body Shackle
Top 200t / Bottom 125t

MULTI-SEC®

MODULAR SPREADER FRAME SYSTEM

Multi-Sec modular lifting frames combine the innovative design of the Multi-Sec spreader beams and Multi-Sec corner units to form a robust lifting frame to suit your specific lifting requirements

Designed and manufactured in the UK in accordance with relevant standards for both onshore and offshore use, Multi-Sec modular lifting frames for up to 250 Tonne are in stock and available immediately for worldwide distribution.

What Size Frame Do I Need?

Standard Off-the-Shelf Range

- 1 Select the span you require ...
- 2 Select the WLL you need for that span ...
- 3 Determine STV (sling to vertical) angle.

Multi F 13		Multi F 25		Multi F 50	
Up to 13t	Spans up to 6m x 6m	Up to 25t	Spans up to 7m x 7m	Up to 50t	Spans up to 9m x 9m
Multi F 75		Multi F 110		Multi F 170	
Up to 75t	Spans up to 12m x 12m	Up to 110t	Spans up to 14m x 14m	Up to 170t	Spans up to 15m x 15m
Multi F 250		Other sizes available upon request!			
Up to 250t	Spans up to 16m x 16m				

30° STV (Sling to Vertical)

Each frame assembly consists of four corner units and interchangeable struts to achieve your required lifting width and length.

The corner units are compatible and interchangeable with the full range of Multi-Sec modular spreader beam struts. Existing clients can simply order the corresponding corner unit to suit their Multi-Sec system, converting the spreader beam into a four point lifting frame.

Component Selection

System	Strut (kg)							Corner Unit (kg)	Shackle (kg)	
	0.25m	0.5m	0.75m	1m	2m	4m	6m	1m	Top	Bottom
Multi F 13	9	12	16	19	33	60	88	27*	4*	2*
Multi F 25	19	25	32	39	65	118	171	62*	8*	7*
Multi F 50	37	49	60	72	118	205	302	113*	19*	14*
Multi F 75	71	85	98	111	164	271	377	198*	40*	28*
Multi F 110	93	112	132	152	230	388	545	308*	62*	40*
Multi F 170	126	153	180	207	314	529	744	481*	116*	62*
Multi F 250	214	242	254	298	410	634	859	697*	190*	92*

Refer to IFU for the maximum number of components per system

*weight per unit (system requires 4)





**Multi-Sec®
Corner Units
provide the
ability to
customise an
array of
configurations
for a four
point lift.**

The following load charts provide the system capacity at varying configuration for a maximum of 45° STV. (30° load charts are available upon request).

MULTI F 13

		Span (metres)					
		1	2	3	4	5	6
Width (metres)	1	13	7	4	3	3	3
	2		13	13	7	4	4
	3			13	13	7	7
	4				13	13	13
	5					13	13
	6						13

MULTI F 25

		Span (metres)						
		1	2	3	4	5	6	7
Width (metres)	1	25	17	13	10	10	10	10
	2		25	25	17	17	13	13
	3			25	25	25	17	17
	4				25	25	25	25
	5					25	25	25
	6						25	25
	7							25

MULTI F 50

		Span (metres)								
		1	2	3	4	5	6	7	8	9
Width (metres)	1	50	30	40	30	25	25	25	25	25
	2		30	50	50	40	40	30	30	30
	3			50	50	50	50	40	40	40
	4				50	50	50	50	50	50
	5					50	50	50	50	50
	6						50	50	50	50
	7							50	50	50
	8								50	50
	9									50

MULTI F 75

		Span (metres)											
		1	2	3	4	5	6	7	8	9	10	11	12
Width (metres)	1	75	75	50	47	37	37	30	30	30	30	30	30
	2		75	75	75	50	50	47	47	37	37	37	37
	3			75	75	75	60	50	50	47	47	47	47
	4				75	75	75	60	50	50	50	50	50
	5					75	75	75	75	75	60	60	60
	6						75	75	75	75	75	75	75
	7							75	75	75	75	75	75
	8								75	75	75	75	75
	9									75	75	75	75
	10										75	75	75
	11											75	75
	12												75

MULTI F 170

		Span (metres)														
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Width (m)	1	170	170	144	106	106	92	92	80	80	80	80	80	80	80	80
	2		170	170	170	144	123	106	106	92	92	92	92	92	92	92
	3			170	170	170	170	144	144	123	123	106	106	106	106	
	4				170	170	170	170	170	144	144	123	123	123	123	
	5					170	170	170	170	170	170	144	144	144	144	
	6						170	170	170	170	170	170	170	170	170	
	7							170	170	170	170	170	170	170	170	
	8								170	170	170	170	170	170	170	
	9									170	170	170	170	170	170	
	10										170	170	170	170	170	
	11											170	170	170	170	
	12												170	170	170	
	13													170	170	
	14														170	
	15															170

MULTI F 110

		Span (metres)													
		1	2	3	4	5	6	7	8	9	10	11	12	13	14
Width (m)	1	110	110	79	68	59	59	51	51	51	51	51	51	51	51
	2		110	110	110	93	79	79	68	68	59	59	59	59	59
	3			110	110	110	110	93	79	79	68	68	68	68	68
	4				110	110	110	110	93	93	79	79	79	79	79
	5					110	110	110	110	110	110	110	93	93	93
	6						110	110	110	110	110	110	110	110	110
	7							110	110	110	110	110	110	110	110
	8								110	110	110	110	110	110	110
	9									110	110	110	110	110	110
	10										110	110	110	110	110
	11											110	110	110	110
	12												110	110	110
	13													110	110
	14														110

MULTI F 250

		Span (metres)															
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Width (m)	1	250	250	158	137	120	105	105	105	93	93	93	93	93	93	93	93
	2		250	250	250	182	158	137	137	120	120	105	105	105	105	105	105
	3			250	250	250	250	182	182	158	137	137	137	120	120	120	120
	4				250	250	250	250	250	212	182	158	158	137	137	137	137
	5					250	250	250	250	250	212	182	182	158	158	158	158
	6						250	250	250	250	250	212	182	182	182	182	182
	7							250	250	250	250	250	212	182	182	182	212
	8								250	250	250	250	250	212	182	182	250
	9									250	250	250	250	250	250	250	250
	10										250	250	250	250	250	250	250
	11											250	250	250	250	250	250
	12												250	250	250	250	250
	13													250	250	250	250
	14														250	250	250
	15															250	250
	16																250

MULTI-SEC®

BESPOKE LIFTING SYSTEMS

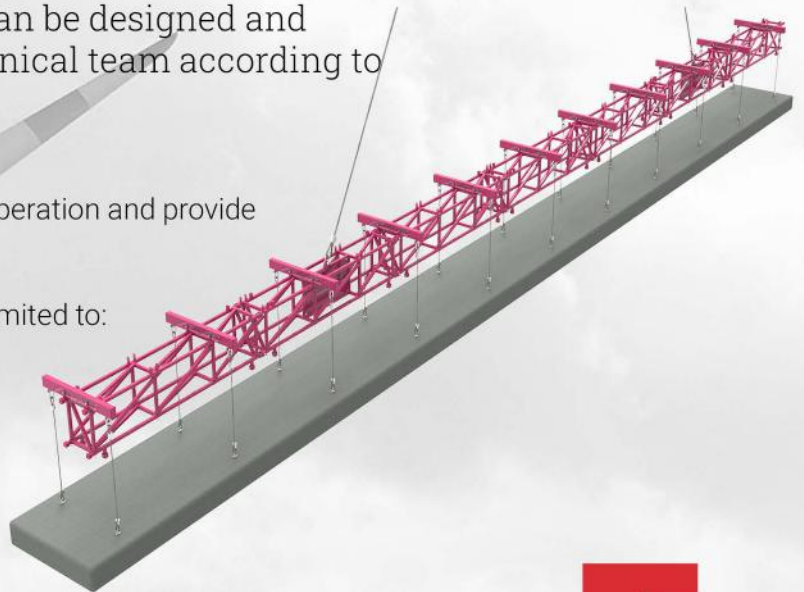
From concept to completion, Multi-Sec® can provide bespoke design solutions for your unique lifting and handling applications. Your goals are the key elements of our design process.

Versatile and cost effective solutions can be designed and manufactured by our experienced technical team according to your specific lifting application.

We will work with you to understand your lifting operation and provide bespoke designs to accomplish your end goals.

Our tailor-made lifting solutions include, but not limited to:

- The design and manufacture of bespoke spreader beams, lifting beams and lifting frames for onshore and offshore applications.
- Custom design large diameter/large capacity gravity clamps.
- Custom designs for the rail industry e.g. long span dunnage lifting frame (over 100m).
- Custom design spreader beams with fork attachments.
- Custom design brackets and clamps for the mining and manufacturing industries.
- Custom holding tools and testing apparatus for large capacity load test of unique components and equipment (up to 3000 tonnes).



Our extensive industry leading design suites allow us to produce detailed design and fabrication drawings for bespoke components, compliant to various Eurocodes and DNV standards.

Our product range at Multi-Sec® also includes a large array of other lifting equipment to suit your needs. Our highly skilled and knowledgeable sales, technical, and operations teams are available to provide information and guidance to clients, and also provide after-sale support at every stage.

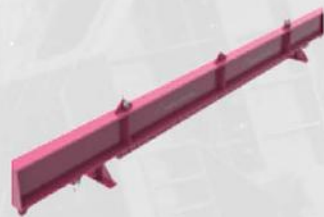
Other Products in the Multi-Sec® Range Include:



Adjustable Lifting Frames



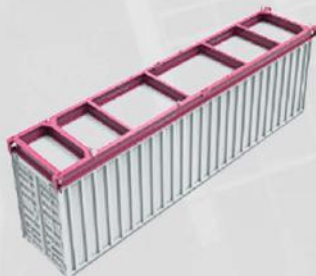
Fixed & Adjustable H-Frames



Lifting & Spreader Beams



Multilug Lifting Beams



Container Lifting Frames



C-Hooks / Coil Lifters

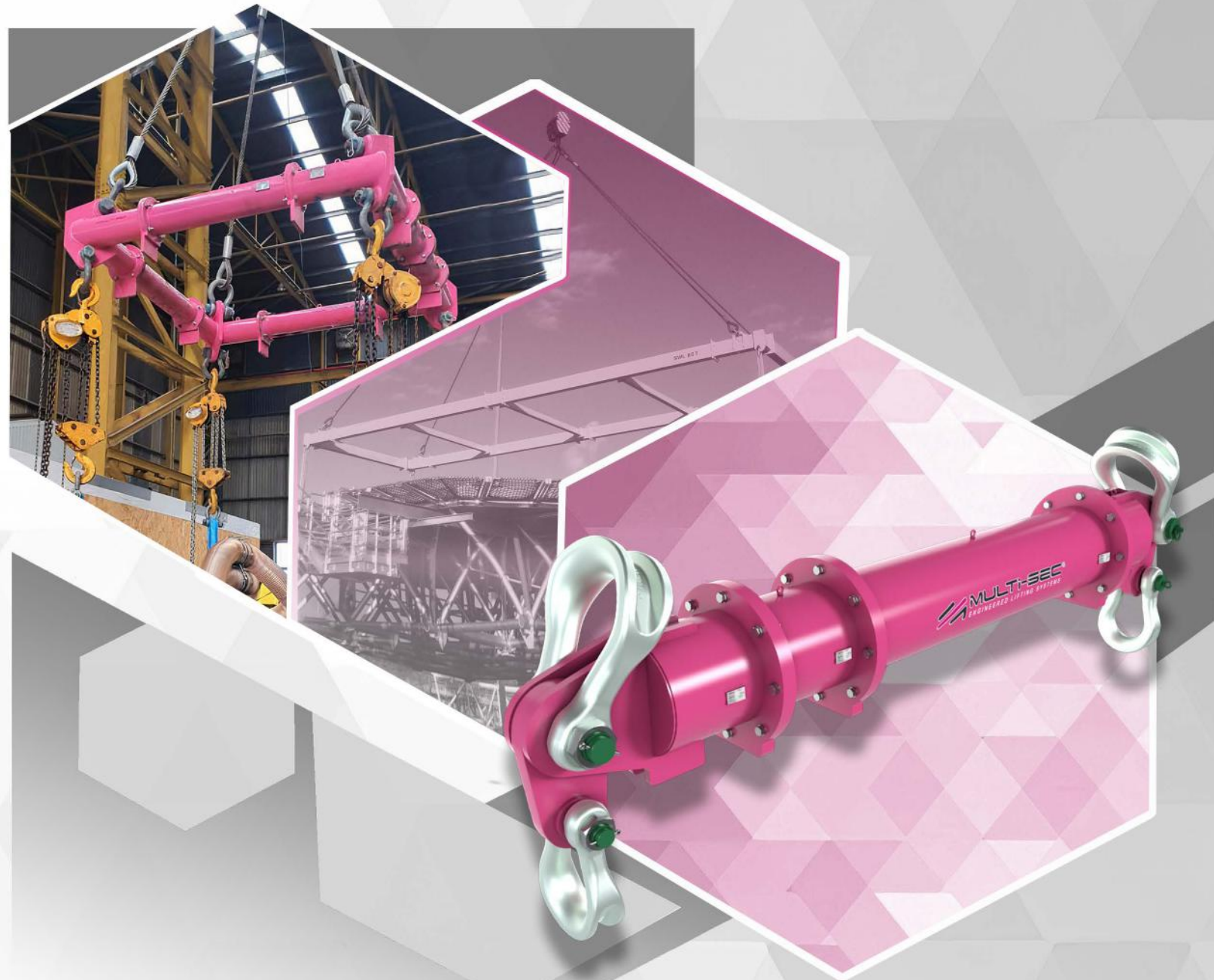


Triangle / Quad Plates



Forklift Attachments



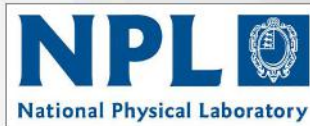


MULTI-SEC[®] ENGINEERED LIFTING SYSTEMS

Designed and manufactured in accordance with:

- BS EN 13155:2003+A2:2009 Cranes - Safety - Non-fixed load lifting attachments
- BS EN 1993-1-1:2005 Eurocode 3
- EC Machinery Directive 2006/42/EC
- LOLER:1998 (Lifting Operations and Lifting Equipment Regulations)
- PUWER: 1998 (Provision and Use of Work Equipment Regulations)
- DNV-GL approval can be arranged upon request

25⁺
years



We hold ISO 9001:2015 certification and are accredited to BS EN 1090-2 Ex 3.

F4OR
Fit For Offshore
Renewables



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