MULTI-SEC®
ENGINEERED LIFTING SYSTEMS

MADE IN BRITAIN

Durham Lifting
ESTABLISHED 1996

www.durhamlifting.co.uk

MULTI-SEC MODULAR SPREADER BEAMS PROVIDE THE IDEAL SOLUTION FOR AN ARRAY OF LIFTING APPLICATIONS. VERSATILE AND COST EFFECTIVE, THE RANGE OFFERS A WIDE VARIETY OF SPANS, CONFIGURATIONS AND CAPACITIES TO SUIT YOUR SPECIFIC LIFTING REQUIREMENTS.

Designed and manufactured in the UK in accordance with relevant standards. Durham Lifting Multi-Sec modular spreader assemblies for up to 250Te are in stock and available for worldwide distribution.

Other sizes are available upon request.

END UNIT

DROP LINK

STRUT

MULTI-SEC®
ENGINEERED LIFTING SYSTEMS

Multi-Sec can be configured into virtually any lifting rig to enable even the most complicated of structures to be safely lifted.

What Size Beam Do I Need?

1 Select the span you require . . .

2 Select the WLL you need for that span . . .

3 Determining STV (sling to vertical) considering any height restrictions.

Standard Off-the-Shelf Range

Multi 13		Multi 110	
Up to 13t at 5.75m	Up to 7.5m at a lower capacity	Up to 110t at 14.75m	Up to 18m at a lower capacity

Multi 25		Multi 170	
Up to 25t at 7.25m	Up to 9.25m at a lower capacity	Up to 170t at 14.75m	Up to 19.5m at a lower capacity

Multi 50		Multi 250	
Up to 50t at 9.5m	Up to 12m at a lower capacity	Up to 250t at 15.75m	Up to 22.5m at a lower capacity

Multi 75		
Up to 75t at 12m	Up to 15m at a lower capacity	*Other sizes available upon request!*

30° STV (Sling to Vertical)

Multi-Sec Modular Spreader Beam System

Each assembly consists of a pair of End Units and a pair of Drop Links, with interchangeable Struts which can be bolted into the assembly between the End Units to either lengthen or shorten the beam to suit the requirements of your specific lift.

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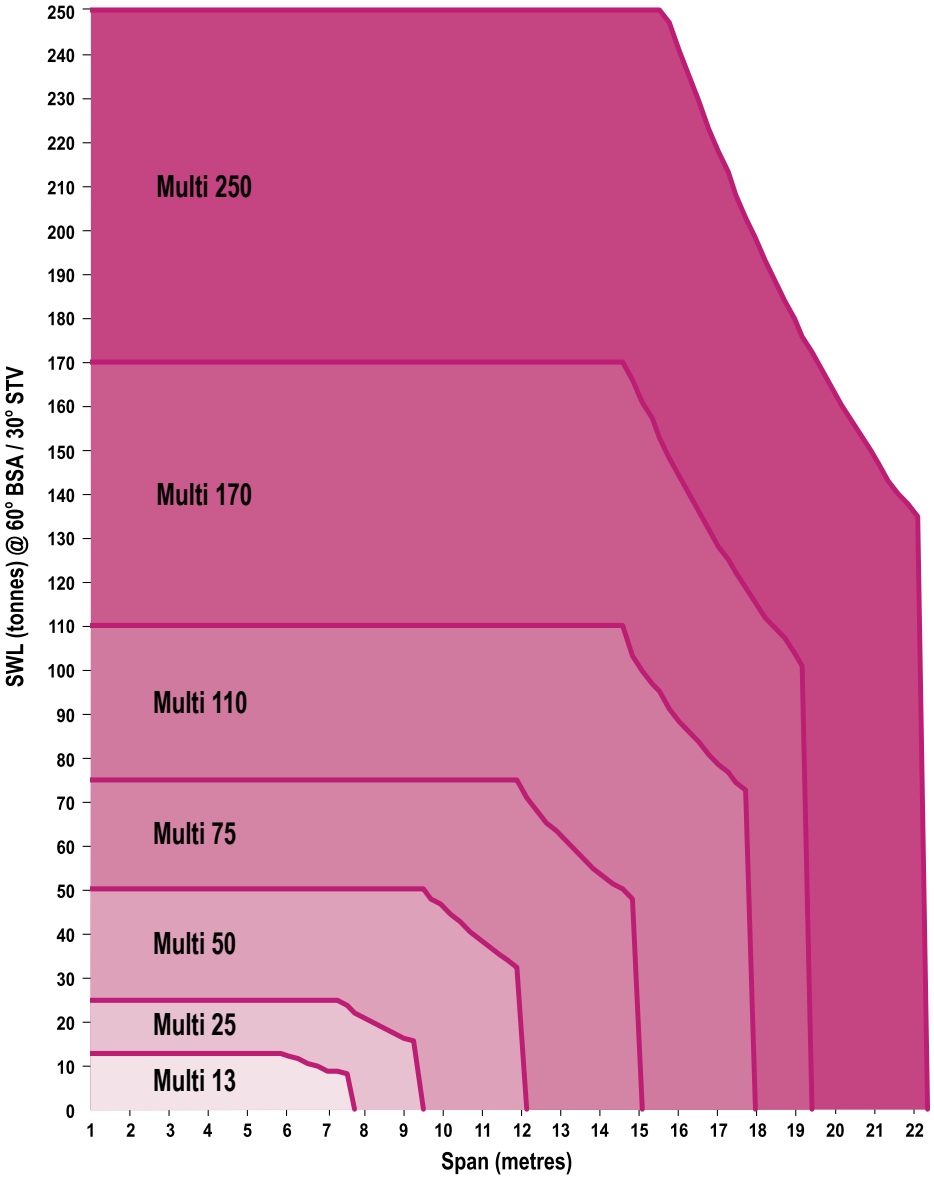
Component Selection

System	Strut (kg)							End Unit (kg)		Drop Link (kg)	Shackle (kg)	
	0.25m	0.5m	0.75m	1m	2m	4m	6m	0.5m	0.75m		Top	Bottom
Multi 13	8.5	11.8	15.2	18.5	31.8	-	-	11.5*	-	2.6*	3.7*	1.8*
Multi 25	-	23.8	30.5	36.8	62.8	-	-	25.6*	-	5.9*	8.2*	6.5*
Multi 50	-	46.2	57.4	68.7	113.7	203.7	-	49.8*	-	15.4*	19.9*	14.2*
Multi 75	-	84.5	97.5	110.5	162.4	266.3	-	95.4*	-	40.9*	39.6*	28.3*
Multi 110	-	96.0	115.2	134.4	211.4	365.2	-	-	120.4*	48.4*	62.0*	39.6*
Multi 170	-	143.8	170.0	196.3	301.4	511.6	-	-	196.1*	69.3*	110.0*	62.0*
Multi 250	-	257.0	283.9	311.3	420.9	639.9	858.9		414.6*	113.6*	205.0*	92.0*

Maximum allowable components per assembly 10

**** weight per unit x 2***

Load v Span Chart - Multi-Sec Spreader Beam Standard Range



Designed 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)

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 Bow Shackle
Top 200t / Bottom 125t

ISO9001 WCS

LEEA

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