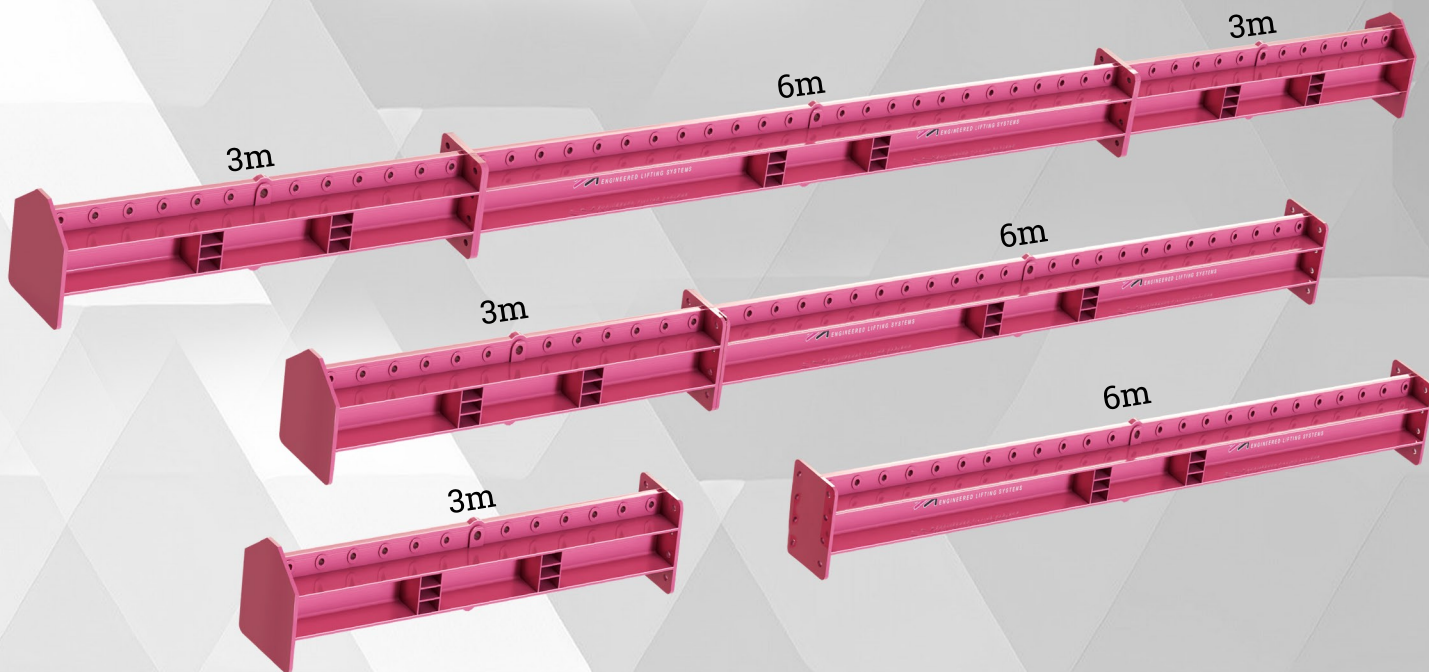


# MULTI-SEC®

## MULTI-POINT LIFTING BEAM

The Multi-Sec Multi-Point Lifting Beam is a versatile and reconfigurable lifting system designed to handle a wide variety of lifting operations. Its modular construction allows it to be quickly assembled in different configurations, making it ideal for both compact vertical lifts and complex multi-point lifting applications.



## Lifting Configurations

The system can be arranged in three configurations:

### Centre Point Lift –

A single lifting point setup available in **3m** or **6m** beam lengths, ideal for straight vertical lifts.

### Spreader Beam Setup –

This setup uses angled top slings for even load distribution, available in **3m, 6m, 3m + 6m** or **3m + 6m + 3m** spans.

### Semi-Spreader Beam Setup –

An arrangement offering flexibility where space or load geometry is restricted, available in **3m, 6m, 3m + 6m** or **3m + 6m + 3m** spans.

With capacities up to 300 tonnes and spans up to 12 metres, the Multi-Sec Multi-Point Beam provide a safe, adaptable, and precise lifting solution for projects ranging from smaller assemblies to large, complex lifts.

#### MP-13

Lifting Configuration	Span Range	WLL
Single Beam	3m	13T
Single Beam	6m	13T
Two Beams (3m + 6m)	9m	13T - 7T
Three Beams (3m + 6m + 3m)	12m	13T - 3T

#### MP-25

Lifting Configuration	Span Range	WLL
Single Beam	3m	25T
Single Beam	6m	25T
Two Beams (3m + 6m)	9m	25T - 16T
Three Beams (3m + 6m + 3m)	12m	25T - 10T

#### MP-34

Lifting Configuration	Span Range	WLL
Single Beam	3m	34T
Single Beam	6m	34T
Two Beams (3m + 6m)	9m	34T - 21T
Three Beams (3m + 6m + 3m)	12m	34T - 13T

#### MP-50

Lifting Configuration	Span Range	WLL
Single Beam	3m	50T
Single Beam	6m	50T
Two Beams (3m + 6m)	9m	50T - 32T
Three Beams (3m + 6m + 3m)	12m	50T - 20T

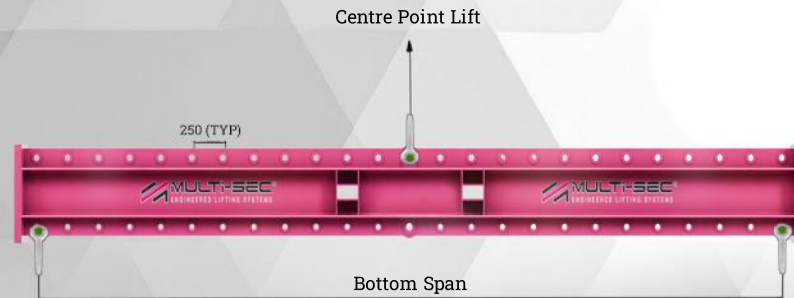
#### MP-100

Lifting Configuration	Span Range	WLL
Single Beam	6m	100T
Single Beam	11.5m	100T

#### MP-300

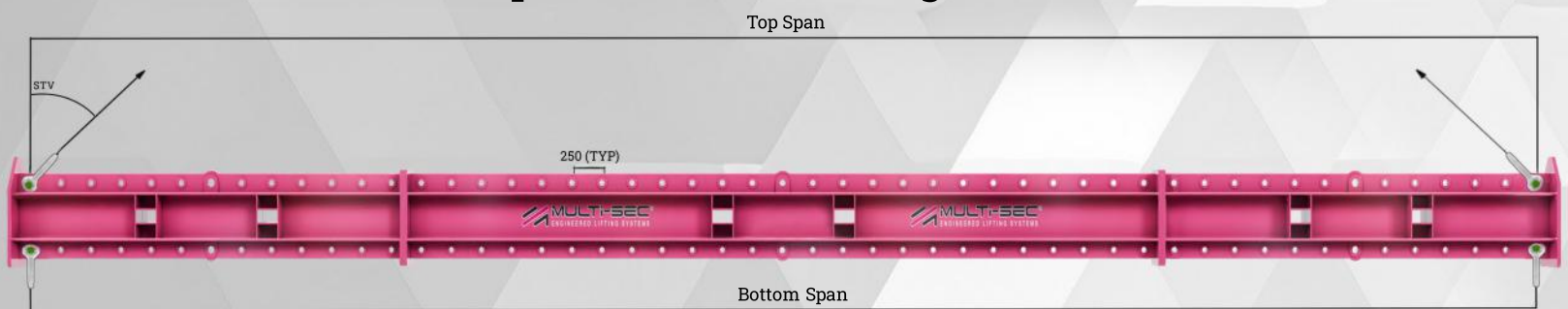
Lifting Configuration	Span Range	WLL
Single Beam	10m	300T

## Centre Point Lift Configuration



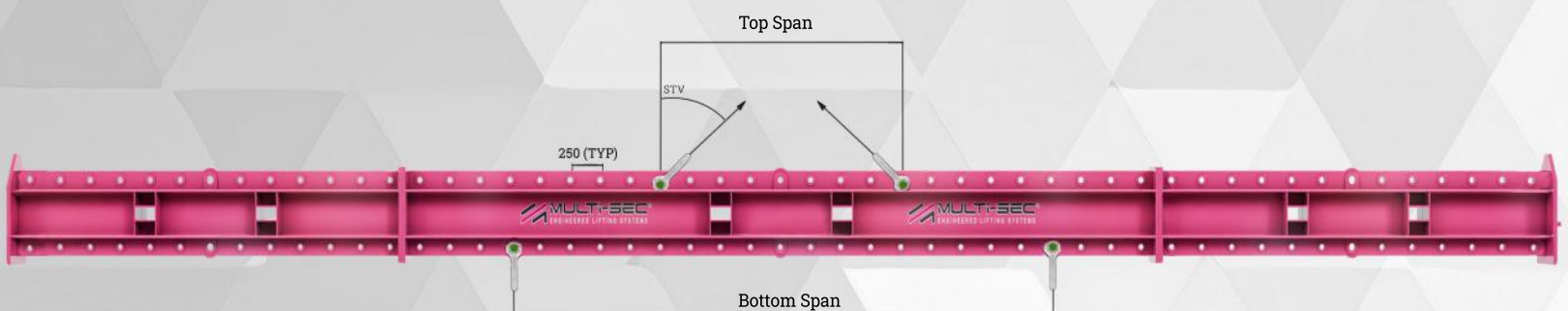
In centre point lift configuration, the Multi-Sec Multi-Point Lifting Beam is used as a **3m** or **6m** beam and lifted from a single central top lifting point. This configuration provides a compact solution ideal for vertical lifts where space or headroom is limited. The load is connected to multiple lower lifting points, allowing for even lifting of compact or symmetrical loads.

## Spreader Beam Configuration



In spreader beam configuration, the Multi-Sec Multi-Point Lifting Beam can be used in a **3m**, **6m**, **3m + 6m** (max 9m span) or **3m+6m+3m** (max 12m span) configurations. Angled top slings connect to top lifting points to match bottom spans at two positions. This allows for a single beam set up to achieve multiple lifting spans depending on the load being lifted. A spreader configuration is suitable for a standard 2 point lift.

## Semi-Spreader Beam Configuration



In a semi-spreader beam configuration, the Multi-Sec Multi-Point Lifting Beam can be used in a **3m**, **6m**, **3m + 6m** (max 9m span) or **3m+6m+3m** (max 12m span) configurations. Angled top slings connect to top lifting points that are offset from the top lifting points. This allows for low headroom lifting of loads that need to either be lifted at two opposing ends or at multiple points along the length of the beam, allowing for more flexibility.



## Centre Point Configuration Charts

MP-13 CENTRE POINT CONFIGURATION												
BOTTOM SPAN (m)	0.5	1	1.5	2	2.5	3	3.5	4	4.5	5	5.5	6
WLL (Tonnes)	13	13	13	13	13	13	13	13	13	13	13	13

MP-25 CENTRE POINT CONFIGURATION												
BOTTOM SPAN (m)	0.5	1	1.5	2	2.5	3	3.5	4	4.5	5	5.5	6
WLL (Tonnes)	25	25	25	25	25	25	25	25	25	25	25	25

MP-34 CENTRE POINT CONFIGURATION												
BOTTOM SPAN (m)	0.5	1	1.5	2	2.5	3	3.5	4	4.5	5	5.5	6
WLL (Tonnes)	34	34	34	34	34	34	34	34	34	34	34	34

MP-50 CENTRE POINT CONFIGURATION												
BOTTOM SPAN (m)	0.5	1	1.5	2	2.5	3	3.5	4	4.5	5	5.5	6
WLL (Tonnes)	50	50	50	50	50	50	50	50	50	50	50	50

Designed for ease of use and performance, each beam features standard forklift pockets for safe handling.

## Semi/Spreader Beam Configuration Charts

MP-13

30°STV		Top Span												
		0.5m	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m	11m	12m
BOTTOM SPAN (m)	0.5m	13	13	13	13	13	13	13	10	8	7	5	4	3
	1m	13	13	13	13	13	13	13	10	8	7	5	4	3
	2m	13	13	13	13	13	13	13	11	10	8	6	5	4
	3m	13	13	13	13	13	13	13	11	10	8	6	5	4
	4m	13	13	13	13	13	13	13	12	11	9	7	6	5
	5m	13	13	13	13	13	13	13	12	11	10	8	7	6
	6m	13	13	13	13	13	13	13	13	12	11	9	8	7
	7m	10	10	11	11	12	12	13	13	12	11	10	9	8
	8m	8	8	10	10	11	11	12	12	13	12	10	9	8
	9m	7	7	8	8	9	10	11	11	12	13	11	10	9
	10m	5	5	6	6	7	8	9	10	10	11	13	12	11
	11m	4	4	5	5	6	7	8	9	9	10	12	13	12
12m	3	3	4	4	5	6	7	8	8	9	11	12	13	

MP-25

30° STV		Top Span												
		0.5m	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m	11m	12m
BOTTOM SPAN (m)	0.5m	25	25	25	25	25	25	25	20	18	16	14	12	10
	1m	25	25	25	25	25	25	25	20	18	16	14	12	10
	2m	25	25	25	25	25	25	25	22	20	18	16	14	12
	3m	25	25	25	25	25	25	25	22	20	18	16	14	12
	4m	25	25	25	25	25	25	25	22	22	20	18	16	14
	5m	25	25	25	25	25	25	25	22	22	20	18	16	14
	6m	25	25	25	25	25	25	25	25	25	22	20	18	16
	7m	20	20	22	22	22	22	25	25	25	22	20	18	16
	8m	18	18	20	20	22	22	25	25	25	23	22	20	18
	9m	16	16	18	18	20	20	22	22	23	25	24	22	20
	10m	14	14	16	16	18	18	20	20	22	24	25	24	22
	11m	12	12	14	14	16	16	18	18	20	22	24	25	24
12m	10	10	12	12	14	14	16	16	18	20	22	24	25	

MP-34

30°STV		Top Span												
		0.5m	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m	11m	12m
BOTTOM SPAN (m)	0.5m	34	34	34	34	34	34	34	27	24	21	19	16	13
	1m	34	34	34	34	34	34	34	27	24	21	19	16	13
	2m	34	34	34	34	34	34	34	29	27	24	21	19	16
	3m	34	34	34	34	34	34	34	29	27	24	21	19	16
	4m	34	34	34	34	34	34	34	29	29	27	24	21	19
	5m	34	34	34	34	34	34	34	29	29	27	24	21	19
	6m	34	34	34	34	34	34	34	34	34	29	27	24	21
	7m	27	27	29	29	29	29	34	34	34	29	27	24	21
	8m	24	24	27	27	29	29	34	34	34	31	29	27	24
	9m	21	21	24	24	27	27	29	29	31	34	32	29	27
	10m	19	19	21	21	24	24	27	27	29	32	34	32	29
	11m	16	16	19	19	21	21	24	24	27	29	32	34	32
12m	13	13	16	16	19	19	21	21	24	27	29	32	34	

MP-50

30°STV		Top Span												
		0.5m	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m	11m	12m
BOTTOM SPAN (m)	0.5m	50	50	50	50	50	50	50	40	36	32	28	24	20
	1m	50	50	50	50	50	50	50	40	36	32	28	24	20
	2m	50	50	50	50	50	50	50	44	40	36	32	28	24
	3m	50	50	50	50	50	50	50	44	40	36	32	28	24
	4m	50	50	50	50	50	50	50	44	44	40	36	32	28
	5m	50	50	50	50	50	50	50	44	44	40	36	32	28
	6m	50	50	50	50	50	50	50	50	50	44	40	36	32
	7m	40	40	44	44	44	44	50	50	50	44	40	36	32
	8m	36	36	40	40	44	44	50	50	50	46	44	40	36
	9m	32	32	36	36	40	40	44	44	46	50	48	44	40
	10m	28	28	32	32	36	36	40	40	44	48	50	48	44
	11m	24	24	28	28	32	32	36	36	40	44	48	50	48
12m	20	20	24	24	28	28	32	32	36	40	44	48	50	

# MP-100



The MP-100 is designed for medium-to-heavy lifts requiring flexibility in rigging configuration. It is available as a **6 Meter** or **11.5-meter** maximum span, this beam provides both lifting beam and spreader beam capabilities, ensuring maximum safety and efficiency for your complex lifting operations.

## MP-100 - 6m

### Load Chart

TOP LIFTING CENTRE	ALL LIFTING CENTRES									
BOTTOM SPAN (m)	1	2	3	4	5	6	7	8	9	10
WLL (Tonnes)	100	100	100	100	100	100	100	100	100	100

For Spreader & Semi-Spreader configurations, header slings not to exceed 30° STV

## MP-100 - 11.5m

### Centre Point Configuration Chart

BOTTOM SPAN (m)	1.5	2.5	3.5	4.5	5.5	6.5	7.5	8.5	9.5	10.5	11.5
WLL (Tonnes)	100	100	100	100	100	100	75	65	57	52	45

### Spreader Beam Configuration Chart

30° STV	TOP SPAN (m)	1.5	2.5	3.5	4.5	5.5	6.5	7.5	8.5	9.5	10.5	11.5
	BOTTOM SPAN (m)	1.5	2.5	3.5	4.5	5.5	6.5	7.5	8.5	9.5	10.5	11.5
	WLL (Tonnes)	100	100	100	100	100	100	100	100	100	100	100

### Semi-Spreader Beam Configuration Chart

30° STV	TOP SPAN (m)	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
	BOTTOM SPAN (m)	1.5	2.5	3.5	4.5	5.5	6.5	7.5	8.5	9.5	10.5	11.5
	WLL (Tonnes)	100	100	100	100	100	95	80	65	60	55	45

For Spreader & Semi-Spreader configurations, header slings not to exceed 30° STV

# MP-300



Maximize your lifting efficiency and safety with the MP-300. Expertly designed for complex, heavy-lift applications, this robust 10-meter beam ensures uniform load distribution and reliable handling up to 300 tonnes.

### Load Chart

TOP LIFTING CENTER	ALL LIFTING CENTRES									
BOTTOM SPAN (m)	1	2	3	4	5	6	7	8	9	10
WLL (Tonnes)	300	300	300	300	300	300	300	300	300	300

For Spreader & Semi-Spreader configurations, header slings not to exceed 30° STV

For other load configurations, please contact our Technical Department