

# LOADING TABLE FOR SIMPLY SUPPORTED 8 FOOT ST STACKABLE TRUSS IN INVERTED CONFIGURATION



Allowable Bending Moment	2,000 kg.m
Allowable Shear	2,500 kg

Allowable loads for load distributions

Type of Load	Clear span (m)												
		2.44	4.88	7.32	9.76	12.20	14.64	17.08	19.52	21.96	24.40	26.84	29.28
Number of sections		1	2	3	4	5	6	7	8	9	10	11	12
Uniformly Distributed load	kg/m	<i>2,050</i>	<i>670</i>	300	170	110	70	50	40	30	30	20	20
Total UDL	kg	<i>5,000</i>	<i>3,280</i>	2,190	1,640	1,310	1,090	940	820	730	660	600	550
Single point load (mid Point)	kg	3,280	1,640	1,090	820	660	550	470	410	360	330	300	270
Two point loads (third points)	Each kg	2,460	1,230	820	610	490	410	350	310	270	250	220	200
Three point loads ( quarter points)	Each kg	1,640	820	550	410	330	270	230	200	180	160	150	140

## Notes

1. Above allowable loads may be increased by 1.11 for **wind loading only**
2. This table is provided as a guide only and assume all loads are applied at restrained nodes. All scaffolds and structures should be checked by a qualified structural engineer.
3. Maximum capacity of a point load mid way between nodes is 300 kg but overall buckling of the top chord should be checked if loads are placed other than at restrained loads.
4. Loads indicated in italics and shaded are limited by shear.
5. The self weight of the truss is included in these calculations
6. A snap brace is required at every 1.22m spacing.

## Truss UK Limited

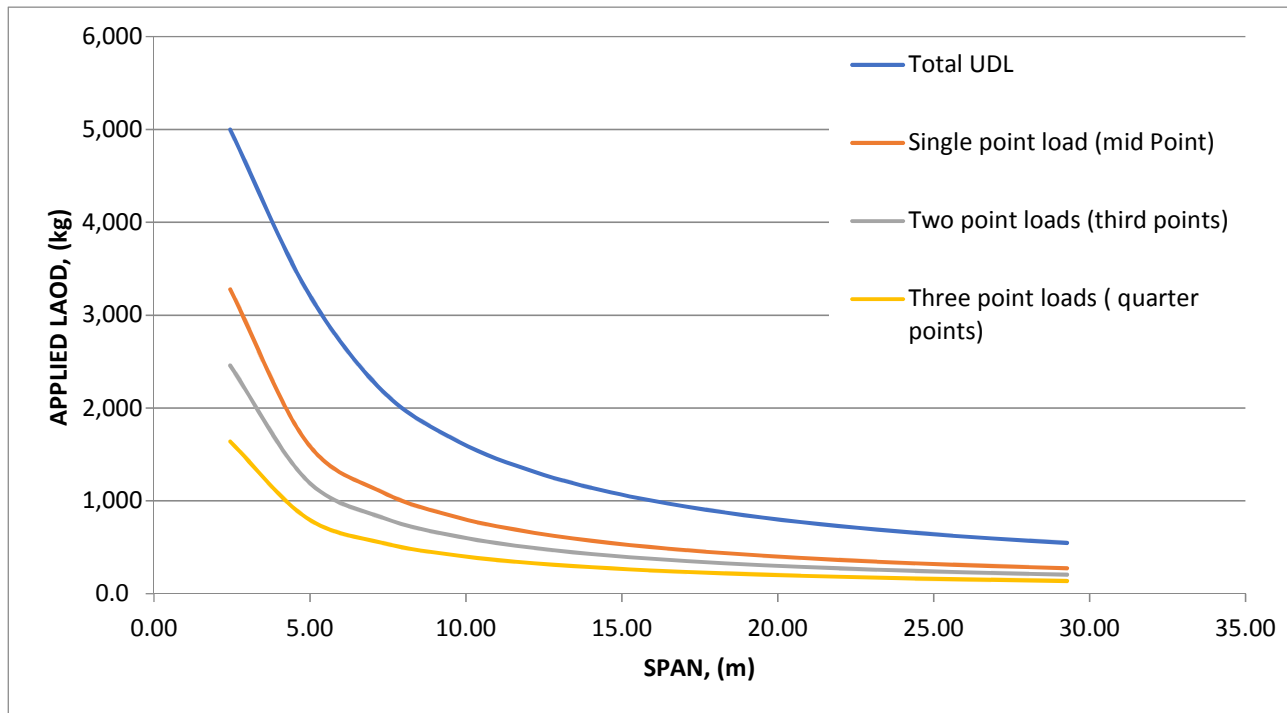
21 Tarran Way North, Tarran Industrial Estate, Moreton, Wirral, CH46 4UA  
 t: +44 (0) 151 334 5999 f: +44 (0) 151 334 9373 w: www.trussuk.com

Document Ref: 1420

# LOADING TABLE FOR SIMPLY SUPPORTED 8 FOOT ST STACKABLE TRUSS IN INVERTED CONFIGURATION



Allowable Bending Moment	2,000 kg.m
Allowable Shear	2,500 kg



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# LOADING TABLE FOR SIMPLY SUPPORTED 4 FOOT ST STACKABLE TRUSS IN INVERTED CONFIGURATION



Allowable Bending Moment	1,300 kg.m
Allowable Shear	1,500 kg

Allowable loads for load distributions

Type of Load	Clear span (m)												
		2.44	4.88	7.32	9.76	12.20	14.64	17.08	19.52	21.96	24.40	26.84	29.28
Number of sections		1	2	3	4	5	6	7	8	9	10	11	12
Uniformly Distributed load	kg/m	<i>1,230</i>	<i>440</i>	190	110	70	50	40	30	20	20	10	10
Total UDL	kg	<i>3,000</i>	<i>2,130</i>	1,420	1,070	850	710	610	530	470	430	390	360
Single point load (mid Point)	kg	2,130	1,070	710	530	430	360	300	270	240	210	190	180
Two point loads (third points)	Each kg	1,500	800	530	400	320	270	230	200	180	160	150	130
Three point loads ( quarter points)	Each kg	1,000	530	360	270	210	180	150	130	120	110	100	90

## Notes

1. Above allowable loads may be increased by 1.11 for **wind loading only**
2. This table is provided as a guide only and assume all loads are applied at restrained nodes. All scaffolds and structures should be checked by a qualified structural engineer.
3. Maximum capacity of a point load mid way between nodes is 300 kg but overall buckling of the top chord should be checked if loads are placed other than at restrained loads.
4. Loads indicated in italics and shaded are limited by shear.
5. The self weight of the truss is included in these calculations
6. A snap brace is required at every 1.22m spacing.

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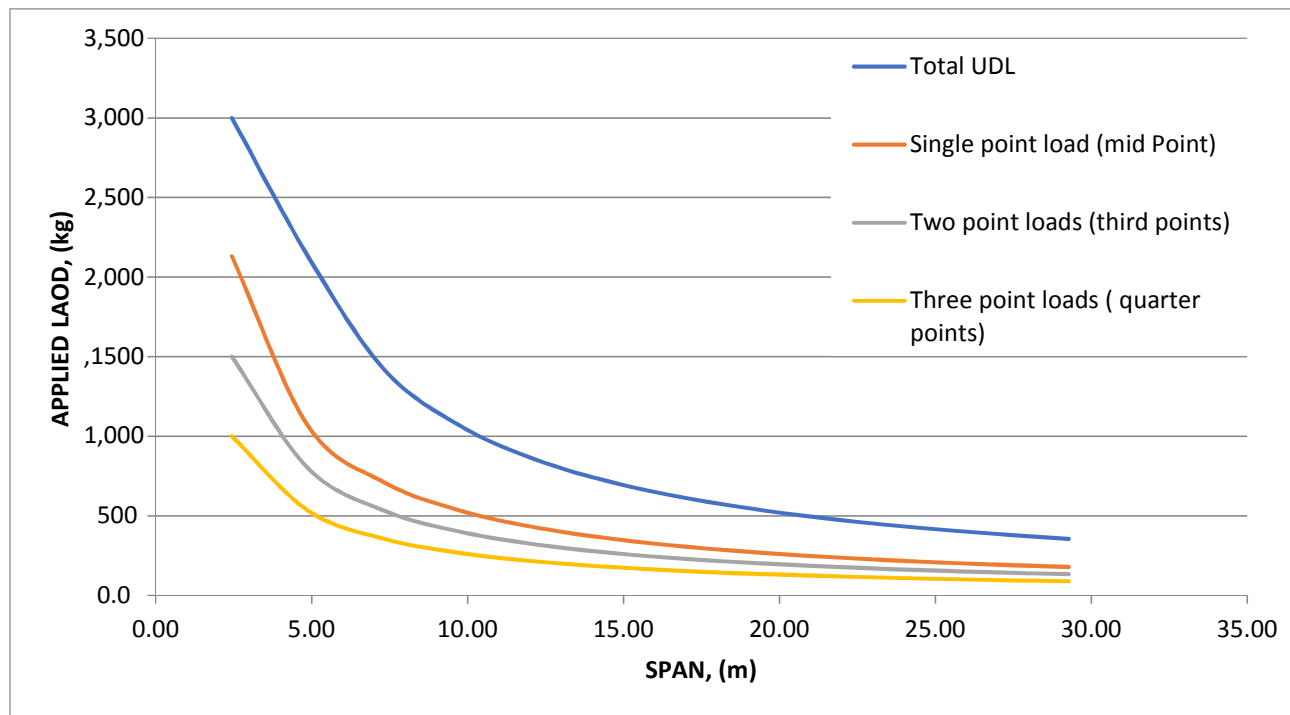
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# LOADING TABLE FOR SIMPLY SUPPORTED 4 FOOT ST STACKABLE TRUSS IN INVERTED CONFIGURATION



Allowable Bending Moment	1,300 kg.m
Allowable Shear	1,500 kg



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