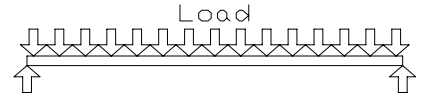




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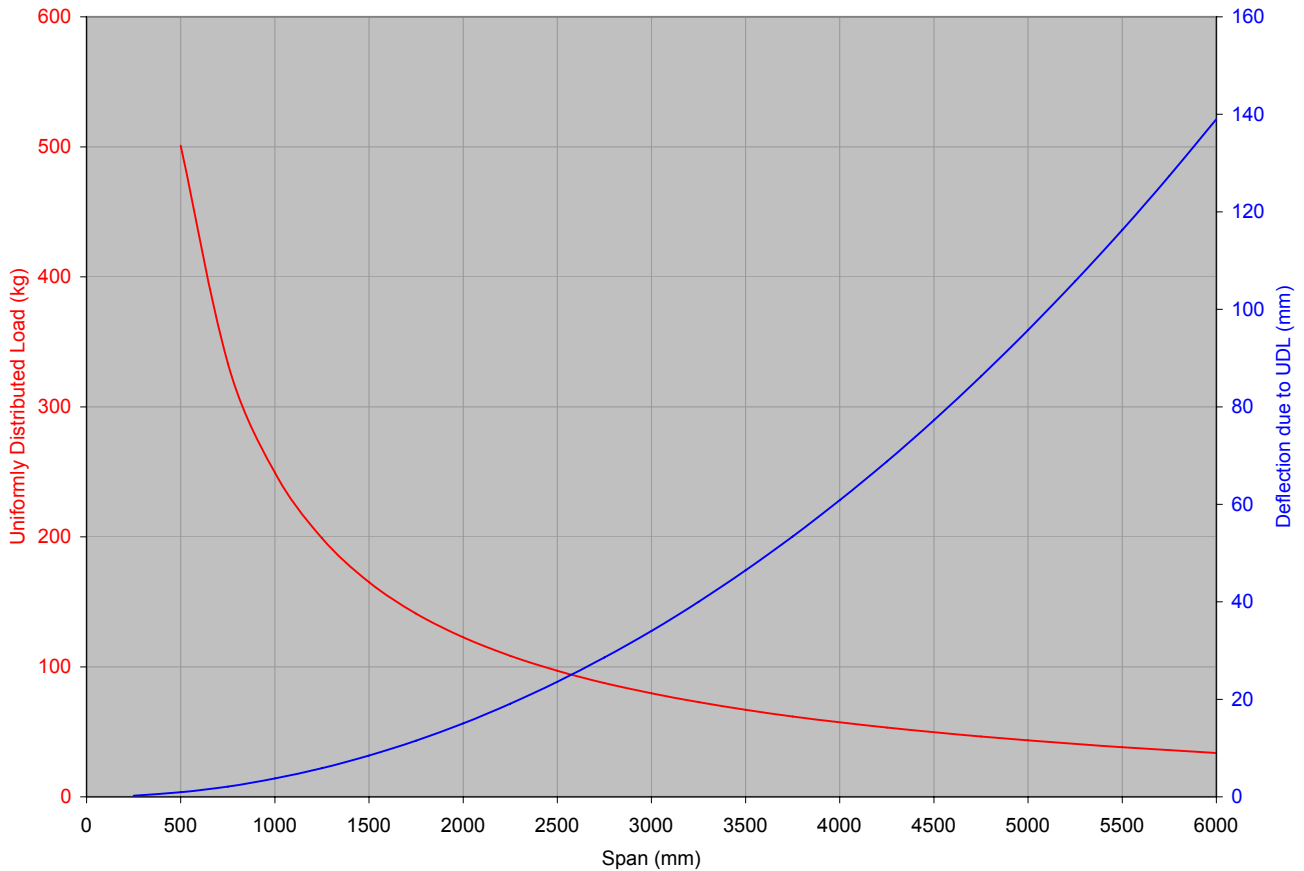
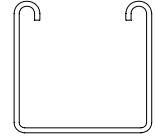
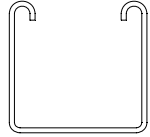
Loading Conditions:



grouphomesafe▲

**41x41 Light Gauge Plain (Mass 1.53kg/m)**

Beam Span (mm)	Ultimate Loading		Limit Def. Span/200		Limit Def. Span/360	
	Total Applied Load (kg)	Total Def. (mm)	Applied UDL (kg)	Total Def. (mm)	Applied UDL (kg)	Total Def. (mm)
250	1002.8	0.2				
500	500.9	0.9				
750	333.4	2.1			328.5	2.1
1000	249.5	3.8			183.9	2.8
1250	199.0	5.9			116.7	3.5
1500	165.2	8.5	146.0	7.5	80.1	4.2
1750	141.0	11.5	106.3	8.8	57.9	4.9
2000	122.7	15.1	80.4	10.0	43.3	5.6
2250	108.4	19.1	62.5	11.3	33.2	6.3
2500	97.0	23.6	49.6	12.5	25.8	6.9
2750	87.5	28.6	39.9	13.8	20.3	7.6
3000	79.6	34.0	32.5	15.0	16.0	8.3
3250	72.8	40.0	26.6	16.3	12.6	9.0
3500	67.0	46.5	21.9	17.5	9.8	9.7
3750	61.8	53.4	18.0	18.8	7.4	10.4
4000	57.3	60.9	14.7	20.0	5.4	11.1
4250	53.3	68.8	12.0	21.3	3.7	11.8
4500	49.7	77.3	9.6	22.5	2.2	12.5
4750	46.4	86.2	7.5	23.8	0.9	13.2
5000	43.4	95.7	5.7	25.0		
5250	40.7	105.7	4.1	26.3		
5500	38.2	116.3	2.6	27.5		
5750	35.9	127.4	1.3	28.8		
6000	33.7	139.0	0.1	30.0		



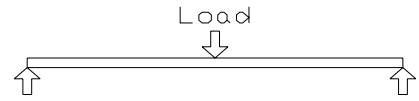
**Load, Span & Deflection Graph**



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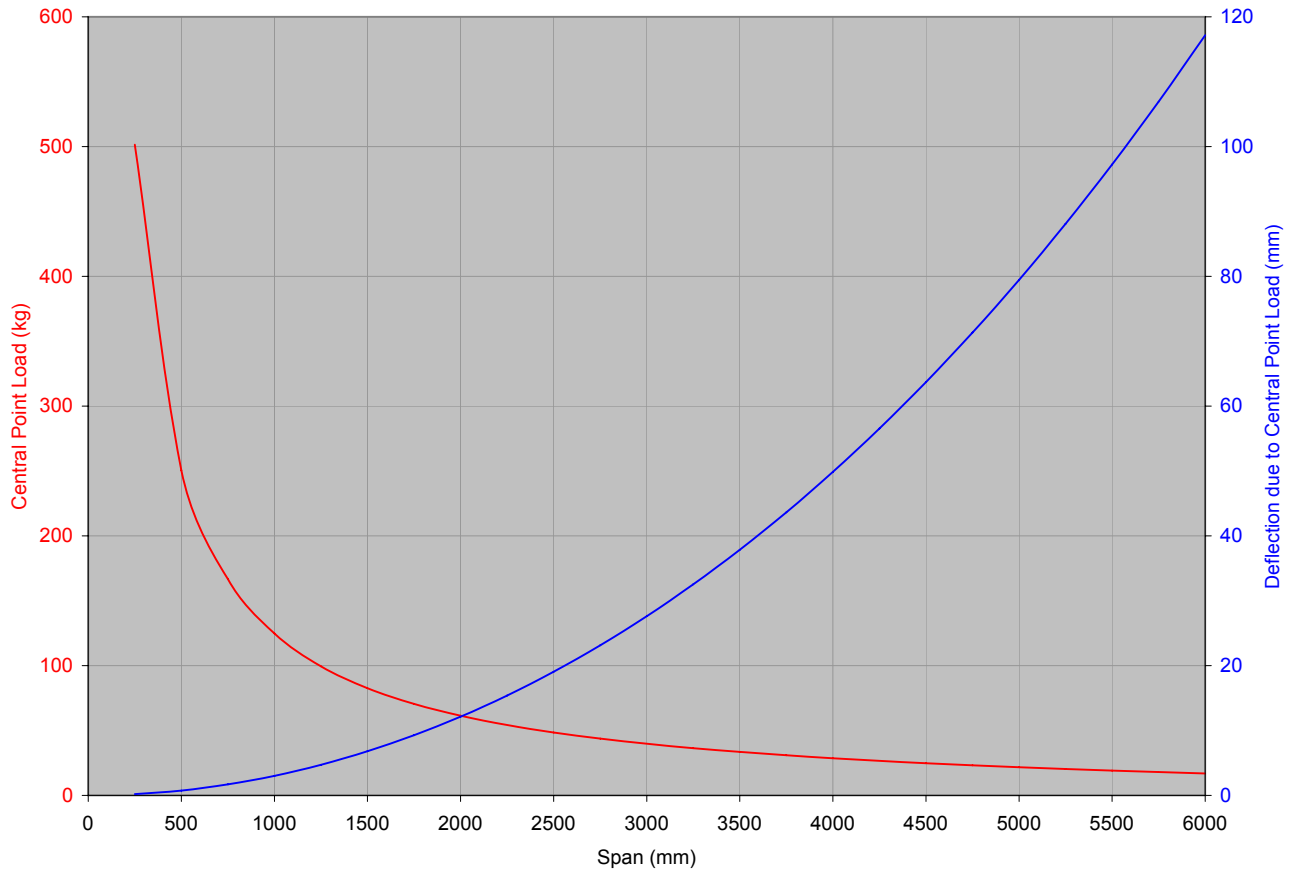
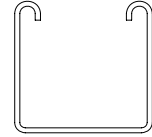
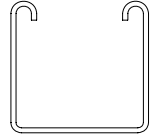
Loading Conditions:



grouphomesafe

**41x41 Light Gauge Plain (Mass 1.53kg/m)**

Beam Span (mm)	Ultimate Loading		Limit Def. Span/200		Limit Def. Span/360	
	Central Pt Load (kg)	Total Def. (mm)	Central Pt Load (kg)	Total Def. (mm)	Central Pt Load (kg)	Total Def. (mm)
250	501.4	0.2				
500	250.5	0.8				
750	166.7	1.7				
1000	124.7	3.0			114.9	2.8
1250	99.5	4.7			73.0	3.5
1500	82.6	6.8			50.1	4.2
1750	70.5	9.3	66.4	8.8	36.2	4.9
2000	61.4	12.1	50.2	10.0	27.1	5.6
2250	54.2	15.4	39.0	11.3	20.7	6.3
2500	48.5	19.1	31.0	12.5	16.1	6.9
2750	43.8	23.1	24.9	13.8	12.7	7.6
3000	39.8	27.6	20.3	15.0	10.0	8.3
3250	36.4	32.5	16.6	16.3	7.9	9.0
3500	33.5	37.9	13.7	17.5	6.1	9.7
3750	30.9	43.6	11.2	18.8	4.6	10.4
4000	28.7	49.9	9.2	20.0	3.4	11.1
4250	26.7	56.5	7.5	21.3	2.3	11.8
4500	24.8	63.7	6.0	22.5	1.4	12.5
4750	23.2	71.3	4.7	23.8	0.6	13.2
5000	21.7	79.5	3.5	25.0		
5250	20.4	88.1	2.5	26.3		
5500	19.1	97.2	1.6	27.5		
5750	17.9	106.9	0.8	28.8		
6000	16.9	117.2	0.0	30.0		



**Load, Span & Deflection Graph**