H40R - Allowable Loading

						MAXIMUM ALLOWABLE POINT LOADS										
		Uniformly Distributed Load				Centre Point Load				Single Load Third Points Load per Point		Single Load Fourth Points Load per Point		Single Load Fifth Points Load per Point		
SPAN		UDL		DEFLECTION		CPL		DEFLECTION		TPL		QPL		TPL		SPAN
m	ft	kg/m	lbs/ft	mm	inch	kgs	lbs	mm	inch	kgs	lbs	kgs	lbs	kgs	lbs	total weight
2	6.6	1272.7	856.3	3	0.12	2545.3	5617.5	2	0.09	1272.7	2808.7	846.1	1867.4	636.3	1404.4	13.8
3	9.8	846.1	569.3	7	0.26	2538.4	5602.3	5	0.21	1269.2	2801.1	842.7	1859.8	634.6	1400.6	20.7
4	13.1	632.9	425.8	12	0.46	2056.6	4538.8	9	0.37	1265.8	2793.5	839.2	1852.2	632.9	1396.8	27.6
5	16.4	504.9	339.7	18	0.73	1639.0	3617.4	15	0.58	1229.3	2713.0	819.5	1808.7	631.2	1392.9	34.5
6	19.7	419.6	282.3	27	1.04	1359.5	3000.5	21	0.84	1019.7	2250.4	679.8	1500.3	564.2	1245.2	41.4
7	23.0	331.1	222.8	36	1.42	1158.9	2557.7	29	1.14	869.2	1918.3	579.5	1278.9	480.9	1061.5	48.3
8	26.2	251.9	169.5	47	1.86	1007.6	2223.7	38	1.49	755.7	1667.8	503.8	1111.9	418.1	922.8	55.2
9	29.5	197.6	132.9	60	2.35	889.1	1962.3	48	1.88	666.8	1471.7	444.6	981.1	369.0	814.3	62.1
10	32.8	158.7	106.8	74	2.90	793.6	1751.6	59	2.32	595.2	1313.7	396.8	875.8	329.4	726.9	69.0
11	36.1	130.0	87.5	89	3.51	714.9	1577.8	71	2.81	536.2	1183.4	357.5	788.9	296.7	654.8	75.9
12	39.4	108.1	72.8	106	4.18	648.7	1431.7	85	3.34	486.5	1073.8	324.4	715.9	269.2	594.2	82.8
13	42.6	91.1	61.3	125	4.90	592.2	1306.9	100	3.93	444.1	980.2	296.1	653.5	245.8	542.4	89.7
14	45.9	77.6	52.2	144	5.69	543.2	1198.9	116	4.55	407.4	899.2	271.6	599.5	225.4	497.5	96.6
15	49.2	66.7	44.9	166	6.53	500.3	1104.3	133	5.23	375.3	828.2	250.2	552.1	207.6	458.3	103.5
16	52.5	57.8	38.9	189	7.43	462.4	1020.5	151	5.95	346.8	765.4	231.2	510.2	191.9	423.5	110.4
17	55.8	50.4	33.9	213	8.39	428.5	945.7	171	6.71	321.4	709.3	214.2	472.8	177.8	392.5	117.3

1 inch = 25,4 mm | 1m = 3.28 ft | 1 lbs = 0,453 kg

- Loading figures only valid for static loads and spans with two supporting points
- Spans must be supported at each end
- If dynamic loads or wind loads are involved, or more supporting points are applied, contact a structural engineer or Prolyte Customer Service
- Loading figures are based on German DIN standards; to comply with BS 7905-2 / ANSI E1.2-2006 / CWA 15902-2, the loading data must be multiplied by 0.85
- The self-weight of the trusses has already been taken into account
- For spans longer than indicated and with a different loading setup use the KYLo programme
- ProlyteStructures can create custom-made pieces on request