

The tables below are maximum loading figures for each system format and are based upon a Safety Factor of 3.

The figures shown are based upon a continuous simply supported straight beam. Load bearing properties are reduced each time a connection is introduced. Contact us for advice on alternative span and loading configurations.

## STRAIGHT LENGTH LOADING TABLES

### Ladder

Length	0.2m	0.4m	0.6m	0.8m	1m	2m	3m	4m	5m
Ref. Code	1 LD 200	1 LD 400	1 LD 600	1 LD 800	1 LD 1000	1 LD 2000	1 LD 3000	1 LD 4000	1 LD 5000
Wgt Kg	0.45	0.59	0.80	0.97	1.14	2.00	2.86	3.72	4.57
Max UDL Kg	Recommended for decorative non-structural applications only.								
Max Pnt Kg									

### Truss

Length	0.2m	0.4m	0.6m	0.8m	1m	2m	3m	4m	5m
Ref. Code	1 TR 200	1 TR 400	1 TR 600	1 TR 800	1 TR 1000	1 TR 2000	1 TR 3000	1 TR 4000	1 TR 5000
Wgt Kg	0.70	0.99	1.29	1.58	1.88	3.35	4.83	6.30	7.78
Max UDL Kg	-	-	-	-	500	486	415	342	259
Max Pnt Kg	-	-	-	-	300	160	121	100	80

### Quad

Important: The loading figures shown below are based upon a load being applied evenly to both lower tubes. Individual loading of a single tube can reduce overall load bearing characteristics.

Length	0.2m	0.4m	0.6m	0.8m	1m	2m	3m	4m	5m
Ref. Code	1 QD 200	1 QD 400	1 QD 600	1 QD 800	1 QD 1000	1 QD 2000	1 QD 3000	1 QD 4000	1 QD 5000
Wgt Kg	0.93	1.32	1.71	2.11	2.50	4.47	6.43	8.43	10.37
Max UDL Kg	-	-	-	-	629	615	581	550	501
Max Pnt Kg	-	-	-	-	206	184	158	149	135

Non standard lengths can be produced. These are priced to the next full metre length.  
N.B. Any special length less than 1m is priced as 1m. All lengths include spigots.

Wgt = WEIGHT    UDL = UNIFORMLY DISTRIBUTED LOAD    Pnt = POINT LOAD