






Rectangle - M39R

Code	Length
141001	21 cm
141001	25 cm
141004	50 cm
141005	81 cm
141006	100 cm
141008	200 cm
141010	300 cm
141012	400 cm

 6.9 Kg/m  (RFID) READY
 M  P.100
 ALU/BLACK

Load table M39R


Span m	CPL kg	Deflection mm	2 x load kg	Deflection mm	3 x load kg	Deflection mm	4 x load kg	Deflection mm	UDL kg/m	Deflection mm
2.0	2512.6	3	1256.3	3	837.5	3	628.1	3	1256.3	3
4.0	1726.7	10	1227.7	13	833.4	12	625.0	13	625.0	13
6.0	1244.2	23	858.9	30	681.0	28	534.7	30	414.6	29
8.0	967.3	41	680.2	53	518.5	49	412.2	53	279.4	52
10.0	786.3	65	560.1	83	415.9	77	333.7	83	176.6	81
12.0	658.1	93	473.4	119	344.8	110	278.6	119	120.7	116
14.0	561.7	127	407.5	162	292.3	150	237.4	162	87.0	158
16.0	486.3	166	355.3	211	251.6	196	205.3	211	65.2	207
20.0	374.3	259	277.2	330	192.2	307	157.9	330	39.5	323

Cantilever load

Span m	1 x Load kg	Deflection mm	UDL kg/m	Deflection mm
0.5	1260.9	0	2518.8	0
1.0	1259.4	1	1256.3	1
1.5	1107.4	3	835.4	2
2.0	861.1	8	625.0	4
2.5	721.3	16	498.8	8
3.0	619.5	29	365.4	13
3.5	541.9	47	270.9	18
4.0	480.8	71	212.0	24

Multiple supported span

Span m	CPL kg	Deflection mm	2 x Load kg	Deflection mm	UDL kg/m	Deflection mm
2.0	1825.1	0	935.5	0	1003.8	0
4.0	1813.8	4	923.8	3	498.8	2
6.0	1477.6	10	825.5	9	330.5	8
8.0	1154.3	19	635.7	17	204.7	15
10.0	954.6	30	527.5	27	134.0	25
12.0	808.2	44	447.7	40	95.5	36
14.0	695.7	60	386.1	55	70.9	50
16.0	606.0	79	336.8	71	54.4	66
20.0	470.3	119	262.0	108	34.1	112

 Find complete loading tables on SIXTY82.nl

All loading data is based on calculations per EN-1999-1-1 and the following assumptions:

- Static loads only.
- Spans supported or suspended at both ends.
- Triangle trusses solely used apex-up, apex-down.
- 2 chords truss to be placed upright, supported from top chord and loaded from bottom chord.
- Truss spans can be constructed of elements of different length.

- Interaction between bending moment and shear force considered.
- Self-weight of truss is already considered.
- Assembled truss systems need an individual structural calculation. Please contact SIXTY82 or a structural engineer.
- Read the manual before use.
- Higher loading can be allowed depending on the truss configuration.