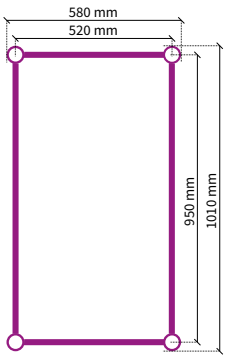
XL101R **Length** Rectangle



60 x 6 mm

25.0 Kg/m

RFID READY

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Rectangle - XL101R

Code	Length
171001	80 cm
171002	100 cm
171003	120 cm
171004	200 cm
171005	240 cm
171006	250 cm
171007	300 cm
171009	400 cm
171011	480 cm

Load table XL101R

Span	CPL	Deflection	2 x load	Deflection	3 x load	Deflection	4 x load	Deflection	UDL	Deflection
m	kg	mm	kg	mm	kg	mm	kg	mm	kg/m	mm
4.0	7034.6	4	4261.0	5	3139.5	4	2500.8	5	2993.4	5
12.0	3549.8	33	2322.7	42	1909.9	39	1549.9	42	808.3	41
16.0	2820.5	58	1894.7	74	1592.0	69	1218.3	74	444.8	73
20.0	2309.7	91	1582.3	116	1273.9	108	990.4	116	276.6	114
24.0	1926.6	131	1341.1	168	1044.8	156	821.8	168	185.2	164
28.0	1624.7	179	1146.9	228	869.5	212	690.4	228	130.1	223
32.0	1377.4	233	984.9	298	729.4	277	583.7	298	94.3	291
36.0	1168.6	295	846.1	377	613.3	350	494.3	377	69.8	369
40.0	987.9	364	724.2	465	514.5	432	417.4	465	52.3	455

Cantilever load

Span	1 x Load	Deflection	UDL	Deflection
m	kg	mm	kg/m	mm
0.5	5483.6	0	11737.1	0
1.0	4712.9	0	5472.8	0
1.5	4047.9	1	3382.1	0
2.0	3500.7	2	2346.6	1
2.5	3058.4	4	1736.7	2
3.0	2771.9	7	1340.4	3
3.5	2532.3	12	1066.0	4
4.0	2328.6	18	867.2	5

Multiple supported span

Span	CPL	Deflection	2 x Load	Deflection	UDL	Deflection
m	kg	mm	kg	mm	kg/m	mm
4.0	6638.8	1	3518.0	1	1991.3	1
12.0	3763.9	11	2037.5	10	409.3	8
16.0	3090.1	22	1683.6	19	257.1	17
20.0	2584.5	35	1415.0	31	175.2	28
24.0	2186.3	51	1201.7	46	125.3	53
28.0	1861.0	70	1026.1	63	92.5	98
32.0	1587.5	89	877.6	80	69.8	167
36.0	1352.0	107	749.2	97	53.3	267
40.0	1145.4	125	636.0	113	41.0	400

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.