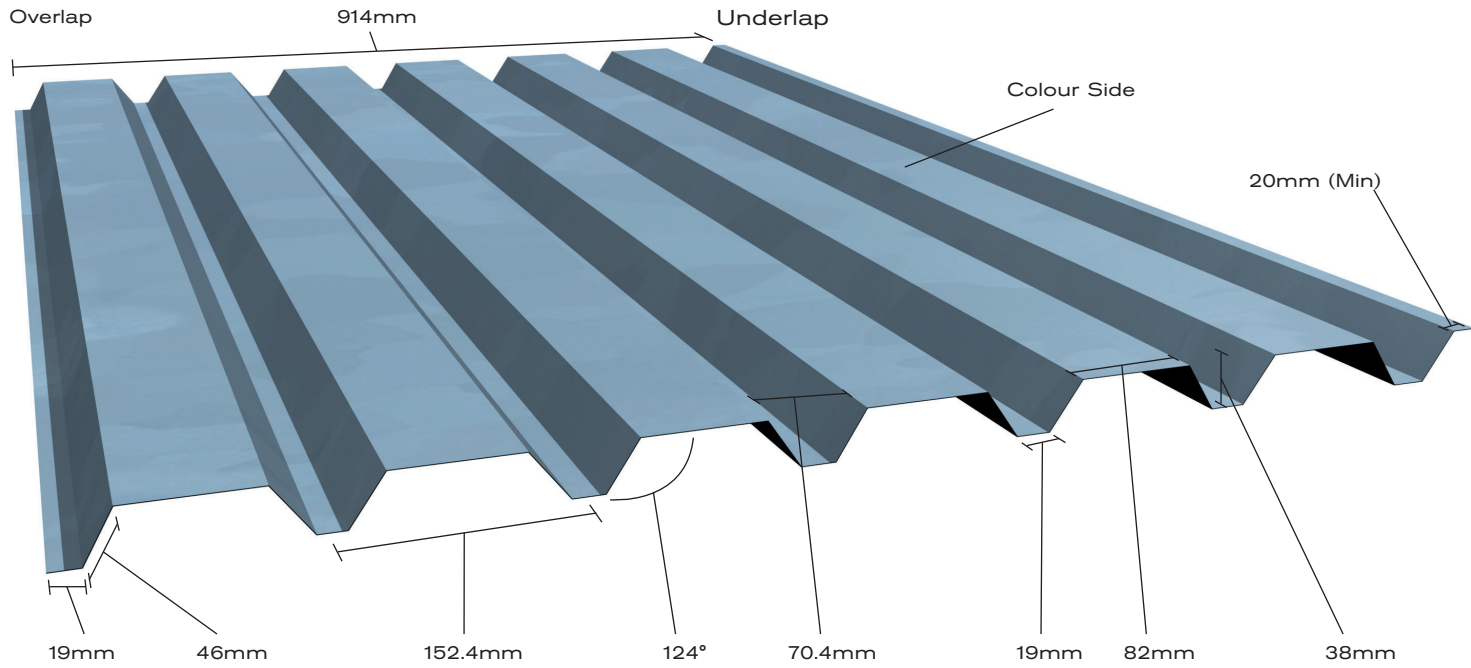


## 914/38mm Reverse - Steel



### Dimensions details

Cover Width	914mm
Profile Pitch	152.4mm
Profile Depth	38mm
Crown Width	19mm
Valley Width	82mm
Rib Width	70.4mm
Web	46mm
Underlap (Right as shown above)	20mm (Minimum)
Overlap (Left as shown above)	19mm

### Weight Per Linear Metre

0.5mm	4.823 kgs
0.7mm	6.753 kgs
0.9mm	8.682 kgs

## Deflection <L/150

Deflection Limit under working load = L/150

t(mm)	Mcap +ve (kNm/m)	Mcap -ve (kNm/m)	Ieff (mm4/m)	Rcap (kNm/m)
0.9	2.69	2.06	19.284	42.86
0.7	1.83	1.61	13.934	27.55
0.5	1.11	1.13	9.018	15.19

**Profile Ref:** 38/914 Reverse

**Profile Type:** Steel

Single Span Case - Permissible Working +ve Loads																		
Thickness	Design	Spans in Metres																
		1.00	1.10	1.20	1.30	1.40	1.50	1.60	1.70	1.80	1.90	2.00	2.10	2.20	2.30	2.40	2.50	2.60
0.5mm	Case	1.00	1.10	1.20	1.30	1.40	1.50	1.60	1.70	1.80	1.90	2.00	2.10	2.20	2.30	2.40	2.50	2.60
	Moment	5.92	4.89	4.11	3.50	3.02	2.63	2.31	2.05	1.83	1.64	1.48	1.34	1.22	1.12	1.03	0.95	0.88
	Inertia	9.47	7.11	5.48	4.31	3.45	2.80	2.31	1.93	1.62	1.38	1.18	1.02	0.89	0.78	0.68	0.61	0.54
	Reaction	20.25	18.41	16.88	15.58	14.47	13.50	12.66	11.91	11.25	10.66	10.13	9.64	9.21	8.81	8.44	8.10	7.79
0.7mm	Limiting	5.92	4.89	4.11	3.50	3.02	2.63	2.31	1.93	1.62	1.38	1.18	1.02	0.89	0.78	0.68	0.61	0.54
	Moment	9.76	8.07	6.78	5.78	4.98	4.34	3.81	3.38	3.01	2.70	2.44	2.21	2.02	1.84	1.69	1.56	1.44
	Inertia	14.63	10.99	8.46	6.66	5.33	4.33	3.57	2.98	2.51	2.13	1.83	1.58	1.37	1.20	1.06	0.94	0.83
	Reaction	36.73	33.39	30.61	28.26	26.24	24.49	22.96	21.61	20.41	19.33	18.37	17.49	16.70	15.97	15.31	14.69	14.13
0.9mm	Limiting	9.76	8.07	6.78	5.78	4.98	4.33	3.57	2.98	2.51	2.13	1.83	1.58	1.37	1.20	1.06	0.94	0.83
	Moment	14.35	11.86	9.96	8.49	7.32	6.38	5.60	4.96	4.43	3.97	3.59	3.25	2.96	2.71	2.49	2.30	2.12
	Inertia	20.24	15.21	11.71	9.21	7.38	6.00	4.94	4.12	3.47	2.95	2.53	2.19	1.90	1.66	1.46	1.30	1.15
	Reaction	57.15	51.95	47.62	43.96	40.82	38.10	35.72	33.62	31.75	30.08	28.57	27.21	25.98	24.85	23.81	22.86	21.98
	Limiting	14.35	11.86	9.96	8.49	7.32	6.00	4.94	4.12	3.47	2.95	2.53	2.19	1.90	1.66	1.46	1.30	1.15

Double Span Case - Permissible Working +ve Loads																		
Thickness	Design	Spans in Metres																
		1.00	1.10	1.20	1.30	1.40	1.50	1.60	1.70	1.80	1.90	2.00	2.10	2.20	2.30	2.40	2.50	2.60
0.5mm	Case	1.00	1.10	1.20	1.30	1.40	1.50	1.60	1.70	1.80	1.90	2.00	2.10	2.20	2.30	2.40	2.50	2.60
	Moment	6.03	4.98	4.19	3.57	3.07	2.68	2.35	2.09	1.86	1.67	1.51	1.37	1.25	1.14	1.05	0.96	0.89
	Inertia	22.80	17.13	13.19	10.38	8.31	6.76	5.57	4.64	3.91	3.32	2.85	2.46	2.14	1.87	1.65	1.46	1.30
	Reaction	12.66	11.51	10.55	9.74	9.04	8.44	7.91	7.45	7.03	6.66	6.33	6.03	5.75	5.50	5.27	5.06	4.87
0.7mm	Interaction	4.75	4.09	3.55	3.12	2.76	2.46	2.21	1.99	1.81	1.65	1.51	1.38	1.28	1.18	1.09	1.02	0.95
	Limiting	4.75	4.09	3.55	3.12	2.76	2.46	2.21	1.99	1.81	1.65	1.51	1.37	1.25	1.14	1.05	0.96	0.89
	Moment	8.59	7.10	5.96	5.08	4.38	3.82	3.35	2.97	2.65	2.38	2.15	1.95	1.77	1.62	1.49	1.37	1.27
	Inertia	35.23	26.47	20.39	16.04	12.84	10.44	8.60	7.17	6.04	5.14	4.40	3.80	3.31	2.90	2.55	2.25	2.00
0.9mm	Reaction	22.96	20.87	19.13	17.66	16.40	15.31	14.35	13.50	12.75	12.08	11.48	10.93	10.44	9.98	9.57	9.18	8.83
	Interaction	8.47	7.27	6.31	5.53	4.89	4.36	3.91	3.52	3.19	2.91	2.66	2.44	2.25	2.08	1.93	1.79	1.67
	Limiting	8.47	7.10	5.96	5.08	4.38	3.82	3.35	2.97	2.65	2.38	2.15	1.95	1.77	1.62	1.49	1.37	1.27
	Moment	10.99	9.08	7.63	6.50	5.61	4.88	4.29	3.80	3.39	3.04	2.75	2.49	2.27	2.08	1.91	1.76	1.63
	Inertia	48.76	36.63	28.22	22.19	17.77	14.45	11.90	9.92	8.36	7.11	6.09	5.26	4.58	4.01	3.53	3.12	2.77
	Reaction	35.72	32.47	29.76	27.47	25.51	23.81	22.32	21.01	19.84	18.80	17.86	17.01	16.23	15.53	14.88	14.29	13.74
	Interaction	12.73	10.91	9.46	8.28	7.32	6.51	5.83	5.25	4.76	4.33	3.96	3.63	3.35	3.09	2.87	2.66	2.48
	Limiting	10.99	9.08	7.63	6.50	5.61	4.88	4.29	3.80	3.39	3.04	2.75	2.49	2.27	2.08	1.91	1.76	1.63