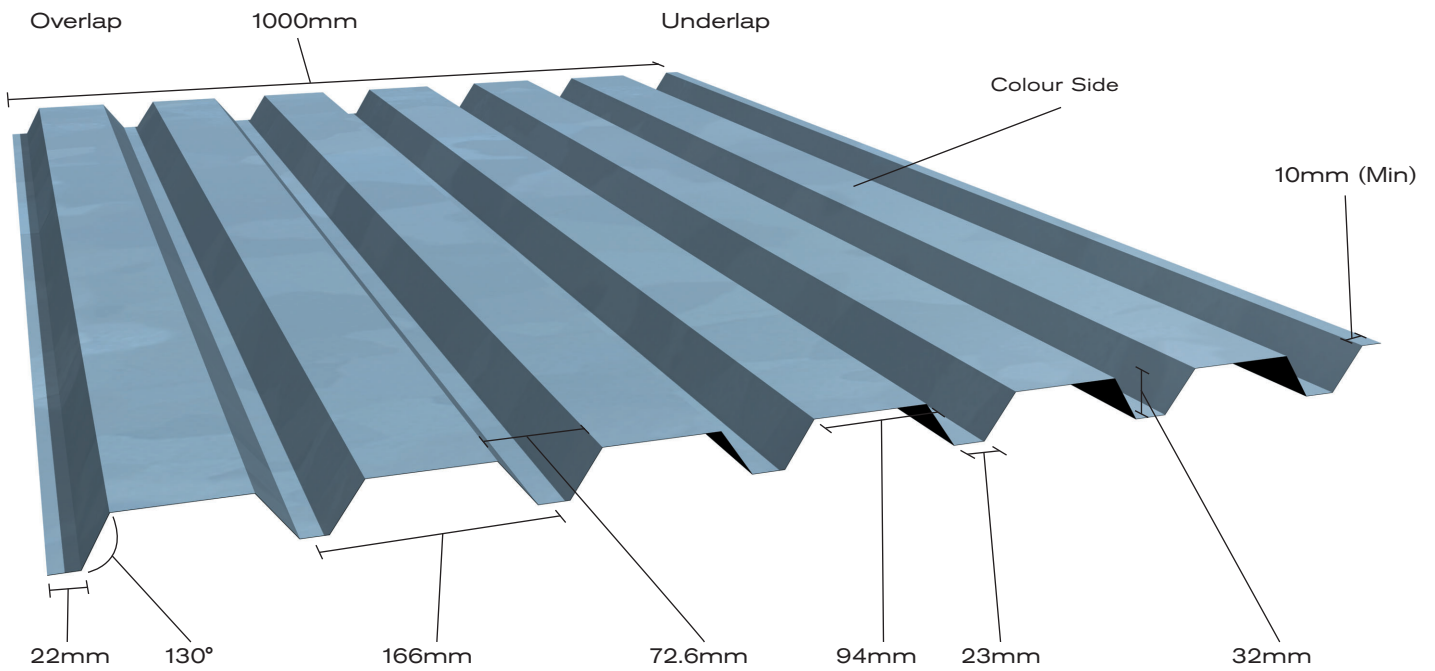


1000/32mm Reverse – Steel



Dimensions details	
Cover Width	1000mm
Profile Pitch	166.6mm
Profile Depth	32mm
Crown Width	23mm
Valley Width	94mm
Rib Width	72.6mm
Web	40mm
Underlap (Right as shown above)	10mm (Minimum)
Overlap (Left as shown above)	22mm

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	2.29	1.82	14.068	41.21
0.7	1.55	1.42	10.1221	26.45
0.5	0.93	0.97	6.513	14.56

Profile Ref: 32/1000 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	4.96	4.10	3.44	2.93	2.53	2.20	1.94	1.72	1.53	1.37	1.24	1.12	1.02	0.94	0.86	0.79	0.73
	Inertia	6.84	5.14	3.96	3.11	2.49	2.03	1.67	1.39	1.17	1.00	0.85	0.74	0.64	0.56	0.49	0.44	0.39
	Reaction	19.41	17.65	16.18	14.93	13.87	12.94	12.13	11.42	10.79	10.22	9.71	9.24	8.82	8.44	8.09	7.77	7.47
0.7mm	Limiting	4.96	4.10	3.44	2.93	2.49	2.03	1.67	1.39	1.17	1.00	0.85	0.74	0.64	0.56	0.49	0.44	0.39
	Moment	8.27	6.83	5.74	4.89	4.22	3.67	3.23	2.86	2.55	2.29	2.07	1.87	1.71	1.56	1.44	1.32	1.22
	Inertia	10.62	7.98	6.15	4.84	3.87	3.15	2.59	2.16	1.82	1.55	1.33	1.15	1.00	0.87	0.77	0.68	0.60
	Reaction	35.27	32.06	29.39	27.13	25.19	23.51	22.04	20.75	19.59	18.56	17.63	16.79	16.03	15.33	14.69	14.11	13.56
0.9mm	Limiting	8.27	6.83	5.74	4.84	3.87	3.15	2.59	2.16	1.82	1.55	1.33	1.15	1.00	0.87	0.77	0.68	0.60
	Moment	12.21	10.09	8.48	7.23	6.23	5.43	4.77	4.23	3.77	3.38	3.05	2.77	2.52	2.31	2.12	1.95	1.81
	Inertia	14.77	11.09	8.55	6.72	5.38	4.38	3.60	3.01	2.53	2.15	1.85	1.59	1.39	1.21	1.07	0.95	0.84
	Reaction	54.95	49.95	45.79	42.27	39.25	36.63	34.34	32.32	30.53	28.92	27.47	26.17	24.98	23.89	22.89	21.98	21.13
	Limiting	12.21	10.09	8.48	6.72	5.38	4.38	3.60	3.01	2.53	2.15	1.85	1.59	1.39	1.21	1.07	0.95	0.84

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	5.17	4.28	3.59	3.06	2.64	2.30	2.02	1.79	1.60	1.43	1.29	1.17	1.07	0.98	0.90	0.83	0.77
	Inertia	16.47	12.37	9.53	7.50	6.00	4.88	4.02	3.35	2.82	2.40	2.06	1.78	1.55	1.35	1.19	1.05	0.94
	Reaction	12.13	11.03	10.11	9.33	8.67	8.09	7.58	7.14	6.74	6.39	6.07	5.78	5.52	5.28	5.06	4.85	4.67
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	3.06	2.64	2.30	2.02	1.79	1.60	1.43	1.29	1.17	1.07	0.98	0.90	0.83	0.77
	Moment	7.57	6.26	5.26	4.48	3.86	3.37	2.96	2.62	2.34	2.10	1.89	1.72	1.56	1.43	1.31	1.21	1.12
	Inertia	25.59	19.23	14.81	11.65	9.33	7.58	6.25	5.21	4.39	3.73	3.20	2.76	2.40	2.10	1.85	1.64	1.46
0.9mm	Reaction	22.04	20.04	18.37	16.96	15.74	14.69	13.78	12.97	12.25	11.60	11.02	10.50	10.02	9.58	9.18	8.82	8.48
	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	7.57	6.26	5.26	4.48	3.86	3.37	2.96	2.62	2.34	2.10	1.89	1.72	1.56	1.43	1.31	1.21	1.12
	Moment	9.71	8.02	6.74	5.74	4.95	4.31	3.79	3.36	3.00	2.69	2.43	2.20	2.01	1.83	1.69	1.55	1.44
	Inertia	35.57	26.72	20.58	16.19	12.96	10.54	8.68	7.24	6.10	5.19	4.45	3.84	3.34	2.92	2.57	2.28	2.02
	Reaction	34.34	31.22	28.62	26.42	24.53	22.89	21.46	20.20	19.08	18.07	17.17	16.35	15.61	14.93	14.31	13.74	13.21
	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	9.71	8.02	6.74	5.74	4.95	4.31	3.79	3.36	3.00	2.69	2.43	2.20	2.01	1.83	1.69	1.55	1.44