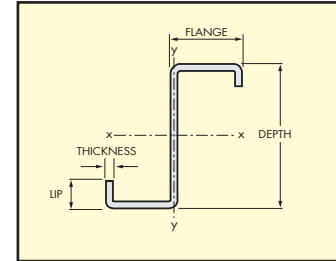


Zed section purlins and rail members are designed for use as secondary sheeting supports for spans up to 15m depending on loading criteria.

The performance of all purlins and rail sections conform to the procedure laid down in BS 5950 Part 5 in conjunction with full scale testing.

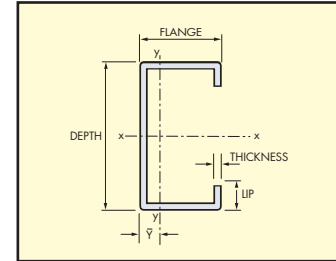
Albion Sections zed purlin and rail sections are manufactured by cold roll forming pre-hot dipped galvanised steel S390 having a guaranteed minimum yield strength of 390N/mm and Z275 galvanised coating.



### Zed section dimensions and properties

SECTION REF	DEPTH mm	FLANGE mm	LIPS mm	THICKNESS mm	AREA cm <sup>2</sup>	WEIGHT Kg/m	I <sub>xx</sub> cm <sup>4</sup>	Z <sub>xx</sub> cm <sup>3</sup>	Z <sub>xxr</sub> cm <sup>3</sup>	I <sub>yy</sub> cm <sup>4</sup>	Z <sub>yy</sub> cm <sup>3</sup>	R <sub>xx</sub> cm	R <sub>yy</sub> cm	P <sub>o</sub> N/mm <sup>2</sup>	Q
Z12515	120	50.0	15	1.5	3.66	2.87	83.57	13.93	13.57	21.47	4.36	4.78	2.42	371.61	0.74
Z12516	120	50.0	15	1.6	3.90	3.06	88.82	14.80	14.56	22.74	4.62	4.77	2.42	375.99	0.76
Z14613	145	62.5	20	1.3	3.96	3.11	133.90	18.47	15.97	38.71	6.26	5.81	3.13	344.03	0.56
Z14614	145	62.5	20	1.4	4.26	3.35	143.79	19.83	17.68	41.47	6.71	5.81	3.12	351.00	0.60
Z14615	145	62.5	20	1.5	4.56	3.58	153.62	21.19	19.39	44.19	7.16	5.80	3.11	357.04	0.64
Z14616	145	62.5	20	1.6	4.86	3.81	163.39	22.54	21.08	46.89	7.60	5.80	3.11	362.32	0.67
Z14618	145	62.5	20	1.8	5.45	4.28	182.76	25.21	24.33	52.18	8.47	5.79	3.09	371.13	0.73
Z14620	145	62.5	20	2.0	6.04	4.74	201.90	27.85	27.36	57.36	9.33	5.78	3.08	378.17	0.78
Z17613	175	62.5	20	1.3	4.35	3.42	206.92	23.65	20.88	38.71	6.26	6.90	2.98	323.85	0.52
Z17614	175	62.5	20	1.4	4.68	3.68	222.27	25.40	23.03	41.47	6.71	6.89	2.98	332.26	0.55
Z17615	175	62.5	20	1.5	5.01	3.93	237.54	27.15	25.18	44.19	7.16	6.89	2.97	339.55	0.59
Z17616	175	62.5	20	1.6	5.34	4.19	252.72	28.88	27.30	46.89	7.60	6.88	2.96	345.92	0.62
Z17618	175	62.5	20	1.8	5.99	4.70	282.85	32.33	31.37	52.18	8.47	6.87	2.95	356.55	0.67
Z17620	175	62.5	20	2.0	6.64	5.21	312.66	35.73	35.21	57.36	9.33	6.86	2.94	365.05	0.71
Z17623	175	62.5	20	2.3	7.61	5.97	356.78	40.78	40.58	64.90	10.58	6.85	2.92	375.03	0.76
Z17625	175	62.5	20	2.5	8.25	6.48	385.80	44.09	44.00	69.78	11.39	6.84	2.91	380.36	0.78
Z20714	200	75.0	20	1.4	5.38	4.22	338.20	33.82	28.81	66.49	8.95	7.93	3.51	316.64	0.48
Z20715	200	75.0	20	1.5	5.76	4.52	361.54	36.15	31.61	70.91	9.55	7.92	3.51	324.97	0.52
Z20716	200	75.0	20	1.6	6.14	4.82	384.78	38.48	34.43	75.29	10.15	7.92	3.50	332.26	0.55
Z20718	200	75.0	20	1.8	6.89	5.41	430.94	43.09	40.09	83.92	11.33	7.91	3.49	344.41	0.60
Z20720	200	75.0	20	2.0	7.64	6.00	476.68	47.67	45.60	92.39	12.48	7.90	3.48	354.12	0.65
Z20723	200	75.0	20	2.3	8.76	6.88	544.49	54.45	53.41	104.77	14.19	7.88	3.46	365.53	0.71
Z20725	200	75.0	20	2.5	9.50	7.46	589.17	58.92	58.30	112.82	15.30	7.88	3.45	371.61	0.74
Z22715	225	75.0	20	1.5	6.13	4.82	475.33	42.25	37.52	70.91	9.55	8.80	3.40	310.40	0.49
Z22716	225	75.0	20	1.6	6.54	5.13	505.96	44.97	40.78	75.29	10.15	8.80	3.39	318.59	0.52
Z22718	225	75.0	20	1.8	7.34	5.76	566.82	50.38	47.29	83.92	11.33	8.79	3.38	332.26	0.57
Z22720	225	75.0	20	2.0	8.14	6.39	627.16	55.75	53.64	92.39	12.48	8.78	3.37	343.19	0.61
Z22723	225	75.0	20	2.3	9.33	7.33	716.69	63.71	62.65	104.77	14.19	8.76	3.35	356.02	0.67
Z22725	225	75.0	20	2.5	10.13	7.95	775.72	68.95	68.33	112.82	15.30	8.75	3.34	362.87	0.69
Z24716	240	75.0	20	1.6	6.78	5.32	588.39	49.03	44.79	75.29	10.15	9.32	3.33	310.40	0.50
Z24718	240	75.0	20	1.8	7.61	5.97	659.26	54.94	51.82	83.92	11.33	9.31	3.32	324.97	0.55
Z24720	240	75.0	20	2.0	8.44	6.63	729.55	60.80	58.68	92.39	12.48	9.30	3.31	336.63	0.59
Z24723	240	75.0	20	2.3	9.68	7.60	833.89	69.49	68.44	104.77	14.19	9.28	3.29	350.32	0.64
Z24725	240	75.0	20	2.5	10.50	8.24	902.72	75.23	74.60	112.83	15.30	9.27	3.28	357.62	0.67
Z24728	240	75.0	20	2.8	11.73	9.21	1004.88	83.74	83.48	124.60	16.93	9.26	3.26	366.62	0.70
Z26716	265	75.0	20	1.6	7.18	5.63	742.85	56.06	51.80	75.29	10.15	10.17	3.24	296.73	0.47
Z26718	265	75.0	20	1.8	8.06	6.33	832.52	62.83	59.72	83.92	11.33	10.16	3.23	312.83	0.52
Z26720	265	75.0	20	2.0	8.94	7.02	921.48	69.55	67.44	92.39	12.49	10.15	3.21	325.70	0.56
Z26723	265	75.0	20	2.3	10.25	8.05	1053.62	79.52	78.47	104.78	14.19	10.14	3.20	340.81	0.61
Z26725	265	75.0	20	2.5	11.13	8.73	1140.84	86.10	85.49	112.83	15.30	10.13	3.18	348.88	0.63
Z26728	265	75.0	20	2.8	12.43	9.75	1270.37	95.88	95.62	124.61	16.93	10.11	3.17	358.81	0.67
Z30718	300	75.0	20	1.8	8.69	6.82	1117.70	74.51	71.49	83.93	11.33	11.34	3.11	295.82	0.49
Z30720	300	75.0	20	2.0	9.64	7.57	1237.47	82.50	80.46	92.39	12.49	11.33	3.10	310.40	0.52
Z30723	300	75.0	20	2.3	11.06	8.68	1415.47	94.36	93.36	104.78	14.19	11.31	3.08	327.51	0.57
Z30725	300	75.0	20	2.5	12.00	9.42	1533.05	102.20	101.61	112.83	15.30	11.30	3.07	336.63	0.59
Z30728	300	75.0	20	2.8	13.41	10.52	1707.79	113.85	113.61	124.61	16.93	11.29	3.05	347.88	0.62
Z30730	300	75.0	20	3.0	14.34	11.26	1823.19	121.55	121.42	132.27	18.00	11.28	3.04	354.12	0.64
Z34118	345	100.0	30	1.8	10.76	8.45	1906.49	110.52	96.40	214.68	21.66	13.31	4.47	273.96	0.41
Z34120	345	100.0	30	2.0	11.94	9.37	2112.27	122.45	110.21	236.93	23.93	13.30	4.45	290.72	0.45
Z34123	345	100.0	30	2.3	13.70	10.76	2418.70	140.21	131.25	269.71	27.28	13.29	4.44	310.40	0.51
Z34125	345	100.0	30	2.5	14.88	11.68	2621.48	151.97	145.10	291.18	29.49	13.28	4.42	320.89	0.54
Z34128	345	100.0	30	2.8	16.63	13.05	2923.42	169.47	165.20	322.81	32.74	13.26	4.41	333.82	0.59
Z34130	345	100.0	30	3.0	17.79	13.97	3123.23	181.06	178.07	343.52	34.87	13.25	4.39	341.00	0.61
Z40120	400	100.0	30	2.0	13.04	10.24	2998.80	149.94	137.92	236.93	23.93	15.16	4.26	266.67	0.41
Z40123	400	100.0	30	2.3	14.97	11.75	3435.02	171.75	163.02	269.72	27.29	15.15	4.24	289.48	0.47
Z40125	400	100.0	30	2.5	16.25	12.76	3723.87	186.19	179.54	291.19	29.49	15.14	4.23	301.65	0.50
Z40128	400	100.0	30	2.8	18.17	14.26	4154.23	207.71	203.60	322.82	32.74	15.12	4.22	316.64	0.54
Z40130	400	100.0	30	3.0	19.44	15.26	4439.19	221.96	219.09	343.53	34.88	15.11	4.20	324.97	0.56
Z40132	400	100.0	30	3.2	20.71	16.26	4722.60	236.13	234.18	363.94	36.99	15.10	4.19	332.26	0.58

The performance of all channel sections conform to the procedure laid down in BS 5950 Part 5 in conjunction with full scale testing. Albion Sections channels are manufactured by cold roll forming pre-hot dipped galvanised steel S390 having a guaranteed minimum yield strength of 390N/mm and Z275 galvanised coating.



## lipped channel section dimensions and properties

SECTION REF	DEPTH mm	FLANGE mm	LIPS mm	THICKNESS mm	AREA cm <sup>2</sup>	WEIGHT Kg/m	I <sub>xx</sub> cm <sup>4</sup>	Z <sub>xx</sub> cm <sup>3</sup>	Z <sub>xxr</sub> cm <sup>3</sup>	I <sub>yy</sub> cm <sup>4</sup>	Z <sub>yy</sub> cm <sup>3</sup>	R <sub>xx</sub> cm	R <sub>yy</sub> cm	$\bar{Y}$ cm	Po N/mm <sup>2</sup>	Q
<b>C12515</b>	120	50.0	15	1.5	3.66	2.87	83.57	13.93	13.57	12.89	3.80	4.78	1.88	16.06	371.61	0.74
<b>C12516</b>	120	50.0	15	1.6	3.90	3.06	88.82	14.80	14.56	13.67	4.03	4.77	1.87	16.06	375.99	0.76
<b>C14613</b>	145	62.5	20	1.3	3.96	3.11	133.90	18.47	15.97	22.77	5.45	5.81	2.40	20.71	344.03	0.56
<b>C14614</b>	145	62.5	20	1.4	4.26	3.35	143.79	19.83	17.68	24.40	5.84	5.81	2.39	20.71	351.00	0.60
<b>C14615</b>	145	62.5	20	1.5	4.56	3.58	153.62	21.19	19.39	26.01	6.23	5.80	2.39	20.72	357.04	0.64
<b>C14616</b>	145	62.5	20	1.6	4.86	3.81	163.39	22.54	21.08	27.61	6.61	5.80	2.38	20.72	362.32	0.67
<b>C14618</b>	145	62.5	20	1.8	5.45	4.28	182.76	25.21	24.33	30.76	7.36	5.79	2.38	20.73	371.13	0.73
<b>C14620</b>	145	62.5	20	2.0	6.04	4.74	201.90	27.85	27.36	33.84	8.10	5.78	2.37	20.73	378.17	0.78
<b>C17613</b>	175	62.5	20	1.3	4.35	3.42	206.92	23.65	20.88	24.20	5.55	6.90	2.36	18.91	323.85	0.52
<b>C17614</b>	175	62.5	20	1.4	4.68	3.68	222.27	25.40	23.03	25.93	5.95	6.89	2.35	18.92	332.26	0.55
<b>C17615</b>	175	62.5	20	1.5	5.01	3.93	237.54	27.15	25.18	27.65	6.34	6.89	2.35	18.92	339.55	0.59
<b>C17616</b>	175	62.5	20	1.6	5.34	4.19	252.72	28.88	27.30	29.35	6.74	6.88	2.34	18.93	345.92	0.62
<b>C17618</b>	175	62.5	20	1.8	5.99	4.70	282.85	32.33	31.37	32.69	7.50	6.87	2.34	18.94	356.55	0.67
<b>C17620</b>	175	62.5	20	2.0	6.64	5.21	312.66	35.73	35.21	35.96	8.26	6.86	2.33	18.95	365.05	0.71
<b>C17623</b>	175	62.5	20	2.3	7.61	5.97	356.78	40.78	40.58	40.75	9.36	6.85	2.31	18.97	375.03	0.76
<b>C17625</b>	175	62.5	20	2.5	8.25	6.48	385.80	44.09	44.00	43.85	10.08	6.84	2.31	18.98	380.36	0.78
<b>C20714</b>	200	75.0	20	1.4	5.38	4.22	338.20	33.82	28.81	41.65	7.89	7.93	2.78	22.18	316.64	0.48
<b>C20715</b>	200	75.0	20	1.5	5.76	4.52	361.54	36.15	31.61	44.44	8.41	7.92	2.78	22.19	324.97	0.52
<b>C20716</b>	200	75.0	20	1.6	6.14	4.82	384.78	38.48	34.43	47.20	8.94	7.92	2.77	22.19	332.26	0.55
<b>C20718</b>	200	75.0	20	1.8	6.89	5.41	430.94	43.09	40.09	52.65	9.97	7.91	2.76	22.20	344.41	0.60
<b>C20720</b>	200	75.0	20	2.0	7.64	6.00	476.68	47.67	45.60	58.01	10.99	7.90	2.76	22.21	354.12	0.65
<b>C20723</b>	200	75.0	20	2.3	8.76	6.88	544.49	54.45	53.41	65.86	12.48	7.88	2.74	22.23	365.53	0.71
<b>C20725</b>	200	75.0	20	2.5	9.50	7.46	589.17	58.92	58.30	70.98	13.45	7.88	2.73	22.24	371.61	0.74
<b>C22715</b>	225	75.0	20	1.5	6.13	4.82	475.33	42.25	37.52	46.06	8.51	8.80	2.74	20.88	310.40	0.49
<b>C22716</b>	225	75.0	20	1.6	6.54	5.13	505.96	44.97	40.78	48.92	9.04	8.80	2.74	20.88	318.59	0.52
<b>C22718</b>	225	75.0	20	1.8	7.34	5.76	566.82	50.38	47.29	54.57	10.09	8.79	2.73	20.90	332.26	0.57
<b>C22720</b>	225	75.0	20	2.0	8.14	6.39	627.16	55.75	53.64	60.12	11.12	8.78	2.72	20.91	343.19	0.61
<b>C22723</b>	225	75.0	20	2.3	9.33	7.33	716.69	63.71	62.65	68.26	12.62	8.76	2.70	20.93	356.02	0.67
<b>C22725</b>	225	75.0	20	2.5	10.13	7.95	775.72	68.95	68.33	73.56	13.61	8.75	2.70	20.94	362.87	0.69
<b>C24716</b>	240	75.0	20	1.6	6.78	5.32	588.39	49.03	44.79	49.86	9.09	9.32	2.71	20.17	310.40	0.50
<b>C24718</b>	240	75.0	20	1.8	7.61	5.97	659.26	54.94	51.82	55.61	10.15	9.31	2.70	20.19	324.97	0.55
<b>C24720</b>	240	75.0	20	2.0	8.44	6.63	729.55	60.80	58.68	61.27	11.18	9.30	2.69	20.20	336.63	0.59
<b>C24723</b>	240	75.0	20	2.3	9.68	7.60	833.89	69.49	68.44	69.56	12.70	9.28	2.68	20.22	350.32	0.64
<b>C24725</b>	240	75.0	20	2.5	10.50	8.24	902.72	75.23	74.60	74.97	13.69	9.27	2.67	20.24	357.62	0.67
<b>C24728</b>	240	75.0	20	2.8	11.73	9.21	1004.88	83.74	83.48	82.89	15.14	9.26	2.66	20.26	366.62	0.70
<b>C26716</b>	265	75.0	20	1.6	7.18	5.63	742.85	56.06	51.80	51.27	9.17	10.17	2.67	19.09	296.73	0.47
<b>C26718</b>	265	75.0	20	1.8	8.06	6.33	832.52	62.83	59.72	57.20	10.23	10.16	2.66	19.11	312.83	0.52
<b>C26720</b>	265	75.0	20	2.0	8.94	7.02	921.48	69.55	67.44	63.01	11.28	10.15	2.65	19.13	325.70	0.56
<b>C26723</b>	265	75.0	20	2.3	10.25	8.05	1053.62	79.52	78.47	71.54	12.81	10.14	2.64	19.15	340.81	0.61
<b>C26725</b>	265	75.0	20	2.5	11.13	8.73	1140.84	86.10	85.49	77.10	13.81	10.13	2.63	19.17	348.88	0.63
<b>C26728</b>	265	75.0	20	2.8	12.43	9.75	1270.37	95.88	95.62	85.24	15.28	10.11	2.62	19.20	358.81	0.67
<b>C30718</b>	300	75.0	20	1.8	8.69	6.82	1117.70	74.51	71.49	59.14	10.34	11.34	2.61	17.79	295.82	0.49
<b>C30720</b>	300	75.0	20	2.0	9.64	7.57	1237.47	82.50	80.46	65.15	11.39	11.33	2.60	17.81	310.40	0.52
<b>C30723</b>	300	75.0	20	2.3	11.06	8.68	1415.47	94.36	93.36	73.96	12.94	11.31	2.59	17.84	327.51	0.57
<b>C30725</b>	300	75.0	20	2.5	12.00	9.42	1533.05	102.20	101.61	79.71	13.95	11.30	2.58	17.86	336.63	0.59
<b>C30728</b>	300	75.0	20	2.8	13.41	10.52	1707.79	113.85	113.61	88.13	15.43	11.29	2.56	17.90	347.88	0.62
<b>C30730</b>	300	75.0	20	3.0	14.34	11.26	1823.19	121.55	121.42	93.61	16.40	11.28	2.55	17.92	354.12	0.64
<b>C34118</b>	345	100.0	30	1.8	10.76	8.45	1906.49	110.52	96.40	143.65	19.57	13.31	3.65	26.59	273.96	0.41
<b>C34120</b>	345	100.0	30	2.0	11.94	9.37	2112.27	122.45	110.21	158.63	21.61	13.30	3.64	26.61	290.72	0.45
<b>C34123</b>	345	100.0	30	2.3	13.70	10.76	2418.70	140.21	131.25	180.73	24.63	13.29	3.63	26.63	310.40	0.51
<b>C34125</b>	345	100.0	30	2.5	14.88	11.68	2621.48	151.97	145.10	195.22	26.61	13.28	3.62	26.65	320.89	0.54
<b>C34128</b>	345	100.0	30	2.8	16.63	13.05	2923.42	169.47	165.2	216.61	29.54	13.26	3.61	26.67	333.82	0.59
<b>C34130</b>	345	100.0	30	3.0	17.79	13.97	3123.23	181.06	178.07	230.63	31.46	13.25	3.60	26.69	341.00	0.61
<b>C40120</b>	400	100.0	30	2.0	13.04	10.24	2998.80	149.94	137.92	165.23	21.87	15.16	3.56	24.45	266.67	0.41
<b>C40123</b>	400	100.0	30	2.3	14.97	11.75	3435.02	171.75	163.02	188.25	24.93	15.15	3.55	24.48	289.48	0.47
<b>C40125</b>	400	100.0	30	2.5	16.25	12.76	3723.87	186.19	179.54	203.35	26.93	15.14	3.54	24.50	301.65	0.50
<b>C40128</b>	400	100.0	30	2.8	18.17	14.26	4154.23	207.71	203.60	225.62	29.90	15.12	3.52	24.53	316.64	0.54
<b>C40130</b>	400	100.0	30	3.0	19.44	15.26	4439.19	221.96	219.09	240.22	31.84	15.11	3.52	24.55	324.97	0.56
<b>C40132</b>	400	100.0	30	3.2	20.71	16.26	4722.60	236.13	234.18	254.63	33.76	15.10	3.51	24.57	332.26	0.58