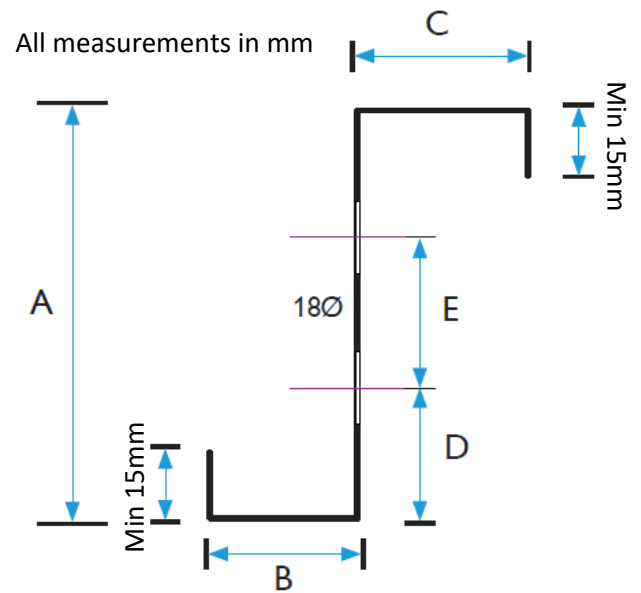


Z Purlins Section Properties

- All Z Purlin Sections are available in any gauge, only the most relevant are specified in the Section Properties and Load Value Table sections. Please contact Accord Steel Cladding Ltd technical for section properties and load details of non-listed sections.
- Designed in accordance with BS EN 1993-1-3.
- Formed from pre-hot dipped galvanised steel to BS EN 10346 with minimum yield strength of 450 N/mm² and Z275 galvanised coating.
- Sleeve references are the same as purlin dimensions.
- All holes are 18mm \varnothing unless otherwise requested.
- All holes are punched at the same centres in pairs unless otherwise requested.
- Working deflection is based on a span/150 scenario.
- Properties stated below are Gross values.



Z Section	Gauge (mm)	Total Depth A	Bottom Flange B	Top Flange C	Lower Hole D	Hole Centres E	Weight kg/m	I _y (cm ⁴)	W _y (cm ³)	I _z (cm ⁴)	W _z (cm ³)	i _y (cm)	i _z (cm)
140Z16	1.6	140	60	65	45	50	3.58	137.45	19.31	38.57	6.13	5.58	2.95
140Z18	1.8	140	60	65	45	50	4.03	154.13	21.65	43.02	6.85	5.57	2.94
140Z20	2.0	140	60	65	45	50	4.47	170.59	23.96	47.35	7.55	5.56	2.93
175Z16	1.6	175	65	70	45	85	4.21	254.25	28.65	57.64	7.90	6.94	3.30
175Z18	1.8	175	65	70	45	85	4.73	285.38	32.16	64.38	8.84	6.93	3.29
175Z20	2.0	175	65	70	45	85	5.26	316.19	35.63	70.97	9.76	6.92	3.28
175Z25	2.5	175	65	70	45	85	6.57	391.77	44.14	86.84	11.98	6.90	3.25
200Z16	1.6	200	65	70	45	110	4.46	346.77	34.22	57.77	7.91	7.82	3.19
200Z18	1.8	200	65	70	45	110	5.02	431.58	38.43	64.52	8.85	7.81	3.18
200Z20	2.0	200	65	70	45	110	5.57	431.58	42.59	71.13	9.77	7.80	3.17
200Z25	2.5	200	65	70	45	110	6.97	535.26	52.82	87.04	11.99	7.78	3.14
230Z16	1.6	230	70	75	45	140	5.03	501.51	43.09	69.31	8.88	8.93	3.32
230Z18	1.8	230	70	75	45	140	5.65	563.39	48.41	77.45	9.93	8.92	3.31
230Z20	2.0	230	70	75	45	140	6.28	624.74	53.68	85.43	10.97	8.91	3.29
230Z25	2.5	230	70	75	45	140	7.85	775.75	66.65	104.69	13.48	8.88	3.26
230Z30	3.0	230	70	75	45	140	9.42	923.41	79.34	122.96	15.89	8.86	3.23
260Z16	1.6	260	75	80	45	170	5.53	669.44	50.93	69.44	8.88	9.95	3.20
260Z18	1.8	260	75	80	45	170	6.22	752.27	57.23	77.60	9.94	9.94	3.19
260Z20	2.0	260	75	80	45	170	6.91	834.42	63.48	85.59	10.98	9.93	3.18
260Z25	2.5	260	75	80	45	170	8.64	1036.87	78.87	104.89	13.50	9.90	3.15
260Z30	3.0	260	75	80	45	170	10.37	1235.14	93.95	123.20	15.90	9.88	3.12
300Z16	1.6	300	80	85	55	190	6.15	975.60	64.39	82.41	9.90	11.37	3.31
300Z18	1.8	300	80	85	55	190	6.92	1096.74	72.39	92.14	11.09	11.36	3.29
300Z20	2.0	300	80	85	55	190	7.69	1217.00	80.32	101.69	12.25	11.35	3.28
300Z25	2.5	300	80	85	55	190	9.62	1513.78	99.91	124.77	15.08	11.32	3.25
300Z30	3.0	300	80	85	55	190	11.54	1805.08	119.13	146.74	17.78	11.30	3.22