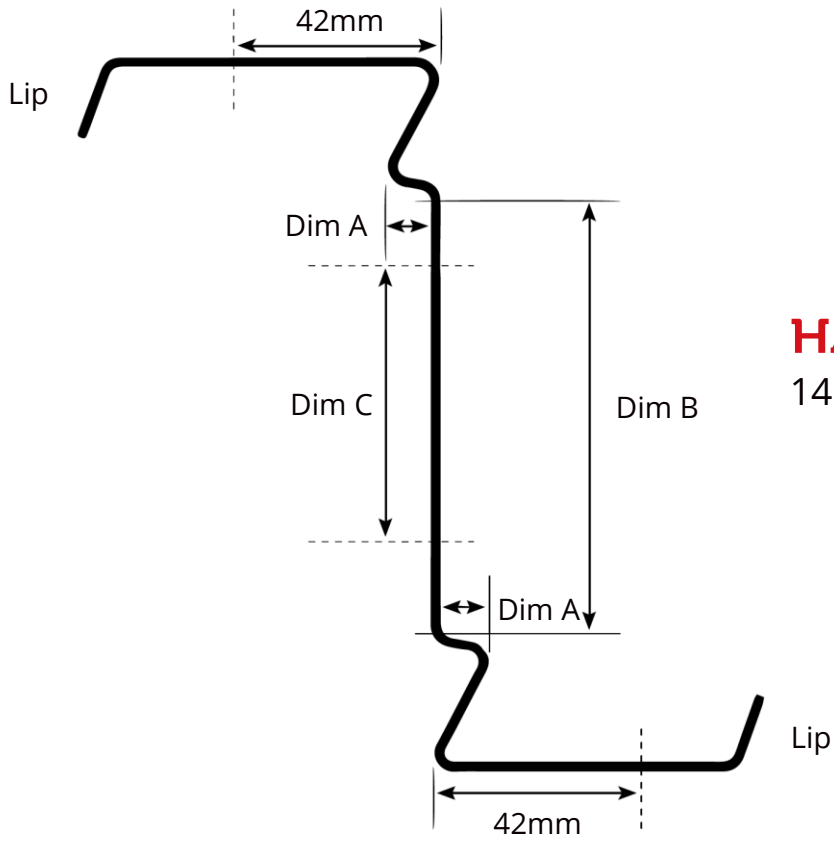


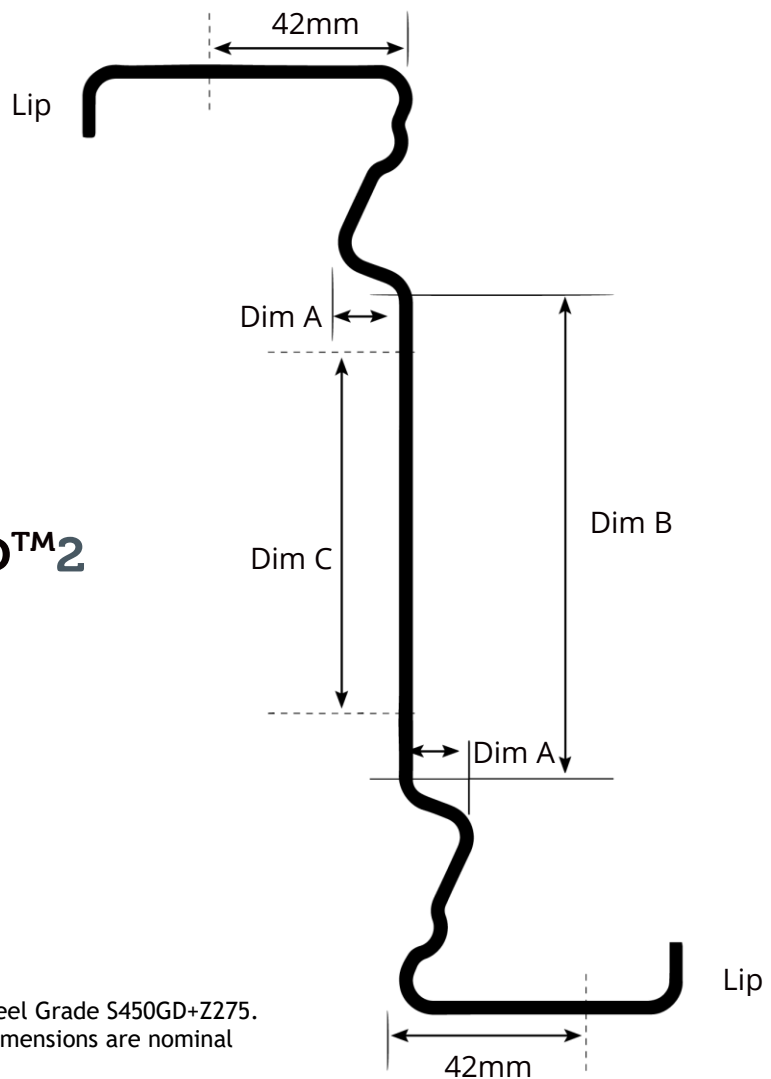
HADLEY UltraZED™2 Sectional properties and dimensions

ALL HOLES Ø14. FOR GRADE 8.8 M12 BOLTS. Steel Grade S450GD+Z275 to BS EN 10346

HADLEY UltraZED™2				Wide flange		Narrow flange		Dim A stiffener depth	Dim B between stiffeners	Dim C hole centres	Second moment of area		Section modulus		Moment capacity	Radius of gyration	
Section Reference	Weight kg/m	Thickness mm	Depth mm	Width mm	Lip mm	Width mm	Lip mm	mm	mm	mm	Major axis cm ⁴	Minor axis cm ⁴	Major axis cm ³	Minor axis cm ³	Major axis Mc kNm	Major axis r _{xx} cm	Minor axis r _{yy} cm
145120	2.90	1.20	145	67	15	61	14	10	90	37	126.95	37.69	17.18	5.23	7.73	5.83	3.18
145130	3.14	1.30	145	67	15	61	14	10	90	37	137.16	40.65	18.59	5.64	8.37	5.83	3.17
145140	3.38	1.40	145	67	15	61	14	10	90	37	147.32	43.59	19.93	6.06	8.97	5.82	3.17
145150	3.63	1.50	145	67	15	61	14	10	90	37	157.43	46.50	21.29	6.47	9.58	5.82	3.16
145160	3.87	1.60	145	67	15	61	14	10	90	37	167.48	49.38	22.65	6.87	10.19	5.82	3.16
145180	4.32	1.80	145	67	15	61	14	10	90	37	187.42	55.06	25.34	7.67	11.40	5.82	3.16
145200	4.80	2.00	145	67	15	61	14	10	90	37	207.14	60.64	28.02	8.46	12.61	5.82	3.15
145230	5.49	2.30	145	67	15	61	14	10	90	37	236.32	68.81	31.96	9.62	14.38	5.81	3.14
170120	3.12	1.20	170	67	15	61	14	10	115	62	183.51	37.70	21.21	5.22	9.54	6.74	3.06
170130	3.38	1.30	170	67	15	61	14	10	115	62	198.33	40.66	22.92	5.64	10.31	6.74	3.05
170140	3.64	1.40	170	67	15	61	14	10	115	62	213.08	43.60	24.62	6.05	11.08	6.74	3.05
170150	3.90	1.50	170	67	15	61	14	10	115	62	227.76	46.50	26.31	6.46	11.84	6.74	3.04
170160	4.16	1.60	170	67	15	61	14	10	115	62	242.36	49.39	27.99	6.89	12.60	6.74	3.04
170180	4.63	1.80	170	67	15	61	14	10	115	62	271.35	55.07	31.34	7.66	14.10	6.74	3.03
170200	5.15	2.00	170	67	15	61	14	10	115	62	300.07	60.65	34.67	8.45	15.60	6.73	3.03
170230	5.88	2.30	170	67	15	61	14	10	115	62	342.60	68.82	39.58	9.61	17.81	6.73	3.02
200120	3.42	1.20	200	70	15	60	15	13	100	50	257.32	32.74	25.06	4.84	11.28	7.70	2.77
200130	3.65	1.30	200	70	15	60	15	13	100	50	279.79	36.23	27.25	5.36	12.26	7.70	2.77
200140	3.93	1.40	200	70	15	60	15	13	100	50	300.58	38.81	29.27	5.74	13.17	7.70	2.77
200150	4.21	1.50	200	70	15	60	15	13	100	50	321.27	41.35	31.29	6.12	14.08	7.69	2.76
200160	4.49	1.60	200	70	15	60	15	13	100	50	341.85	43.87	33.29	6.50	14.98	7.69	2.76
200180	5.00	1.80	200	70	15	60	15	13	100	50	382.70	48.81	37.26	7.24	16.77	7.69	2.75
200200	5.56	2.00	200	70	15	60	15	13	100	50	423.15	53.64	41.20	7.97	18.54	7.69	2.74
200230	6.35	2.30	200	70	15	60	15	13	100	50	483.05	60.67	47.02	9.04	21.16	7.68	2.72
200250	6.91	2.50	200	70	15	60	15	13	100	50	522.47	65.21	50.86	9.73	22.89	7.68	2.71
200300	8.24	3.00	200	70	15	60	15	13	100	50	619.27	76.10	60.26	11.40	27.12	7.68	2.69
225130	3.92	1.30	225	70	15	60	15	13	125	75	370.67	36.24	32.14	5.35	14.46	8.57	2.68
225140	4.22	1.40	225	70	15	60	15	13	125	75	398.28	38.82	34.53	5.73	15.54	8.57	2.67
225150	4.52	1.50	225	70	15	60	15	13	125	75	425.76	41.36	36.91	6.11	16.61	8.57	2.67
225160	4.82	1.60	225	70	15	60	15	13	125	75	453.11	43.88	39.28	6.49	17.68	8.56	2.67
225180	5.37	1.80	225	70	15	60	15	13	125	75	507.43	48.82	43.99	7.23	19.80	8.56	2.66
225200	5.96	2.00	225	70	15	60	15	13	125	75	561.25	53.66	48.65	7.96	21.89	8.56	2.65
225230	6.79	2.30	225	70	15	60	15	13	125	75	641.02	60.69	55.56	9.02	25.00	8.55	2.63
225250	7.38	2.50	225	70	15	60	15	13	125	75	693.57	65.24	60.11	9.71	27.05	8.55	2.62
225300	8.83	3.00	225	70	15	60	15	13	125	75	822.77	76.13	71.29	11.38	32.08	8.55	2.60
255130	4.21	1.30	255	70	15	60	15	13	155	105	500.84	36.25	38.38	5.34	16.28	9.60	2.58
255140	4.54	1.40	255	70	15	60	15	13	155	105	538.23	38.83	41.25	5.72	17.89	9.60	2.58
255150	4.85	1.50	255	70	15	60	15	13	155	105	575.46	41.38	44.10	6.10	19.53	9.59	2.57
255160	5.17	1.60	255	70	15	60	15	13	155	105	612.53	43.89	46.94	6.48	21.12	9.59	2.57
255180	5.82	1.80	255	70	15	60	15	13	155	105	689.19	48.84	52.58	7.22	23.66	9.59	2.56
255200	6.42	2.00	255	70	15	60	15	13	155	105	759.21	53.67	58.17	7.95	26.18	9.59	2.55
255230	7.35	2.30	255	70	15	60	15	13	155	105	867.55	60.71	66.46	9.01	29.91	9.59	2.53
255250	7.98	2.50	255	70	15	60	15	13	155	105	938.99	65.26	71.93	9.70	32.37	9.58	2.52
255300	9.53	3.00	255	70	15	60	15	13	155	105	1114.83	76.16	85.39	11.36	38.43	9.57	2.50
285140	4.81	1.40	285	70	15	60	15	13	185	135	704.73	38.84	48.39	5.72	19.49	10.61	2.49
285150	5.16	1.50	285	70	15	60	15	13	185	135	753.58	41.39	51.75	6.10	21.31	10.60	2.48
285160	5.50	1.60	285	70	15	60	15	13	185	135	802.23	43.91	55.06	6.47	23.16	10.60	2.48
285180	6.19	1.80	285	70	15	60	15	13	185	135	898.95	48.86	61.72	7.21	26.95	10.60	2.47
285200	6.84	2.00	285	70	15	60	15	13	185	135	994.89	53.69	68.31	7.94	30.74	10.60	2.46
285230	7.87	2.30	285	70	15	60	15	13	185	135	1137.34	60.73	78.08	9.05	35.14	10.59	2.45
285250	8.55	2.50	285	70	15	60	15	13	185	135	1231.33	65.28	84.53	9.68	38.04	10.59	2.44
285300	10.19	3.00	285	70	15	60	15	13	185	135	1462.94	76.18	100.41	11.34	45.18	10.59	2.41
305150	5.46	1.50	305	70	15	60	15	13	205	155	889.12	41.40	57.10	6.09	22.34	11.27	2.43
305160	5.83	1.60	305	70	15	60	15	13	205	155	946.60	43.91	60.79	6.47	24.32	11.27	2.43
305180	6.55	1.80	305	70	15	60	15	13	205	155	1060.90	48.86	68.13	7.20	28.35	11.27	2.42
305200	7.28	2.00	305	70	15	60	15	13	205	155	1174.31	53.70	75.41	7.93	32.51	11.26	2.41
305230	8.30	2.30	305	70	15	60	15	13	205	155	1342.76	60.74	86.22	8.99	38.80	11.25	2.39
305250	9.02	2.50	305	70	15	60	15	13	205	155	1453.97	65.29	93.35	9.68	42.01	11.25	2.38
305300	10.83	3.00	305	70	15	60	15	13	205	155	1728.15	76.19	110.94	11.33	49.92	11.25	2.36



HADLEY UltraZED™2
145 and 170 Series



HADLEY UltraZED™2
200 to 305 Series

ALL HOLES Ø14. FOR GRADE 8.8 M12 BOLTS. Steel Grade S450GD+Z275.
Tolerances on material size to BS EN 10346. All dimensions are nominal
and for general guidance only