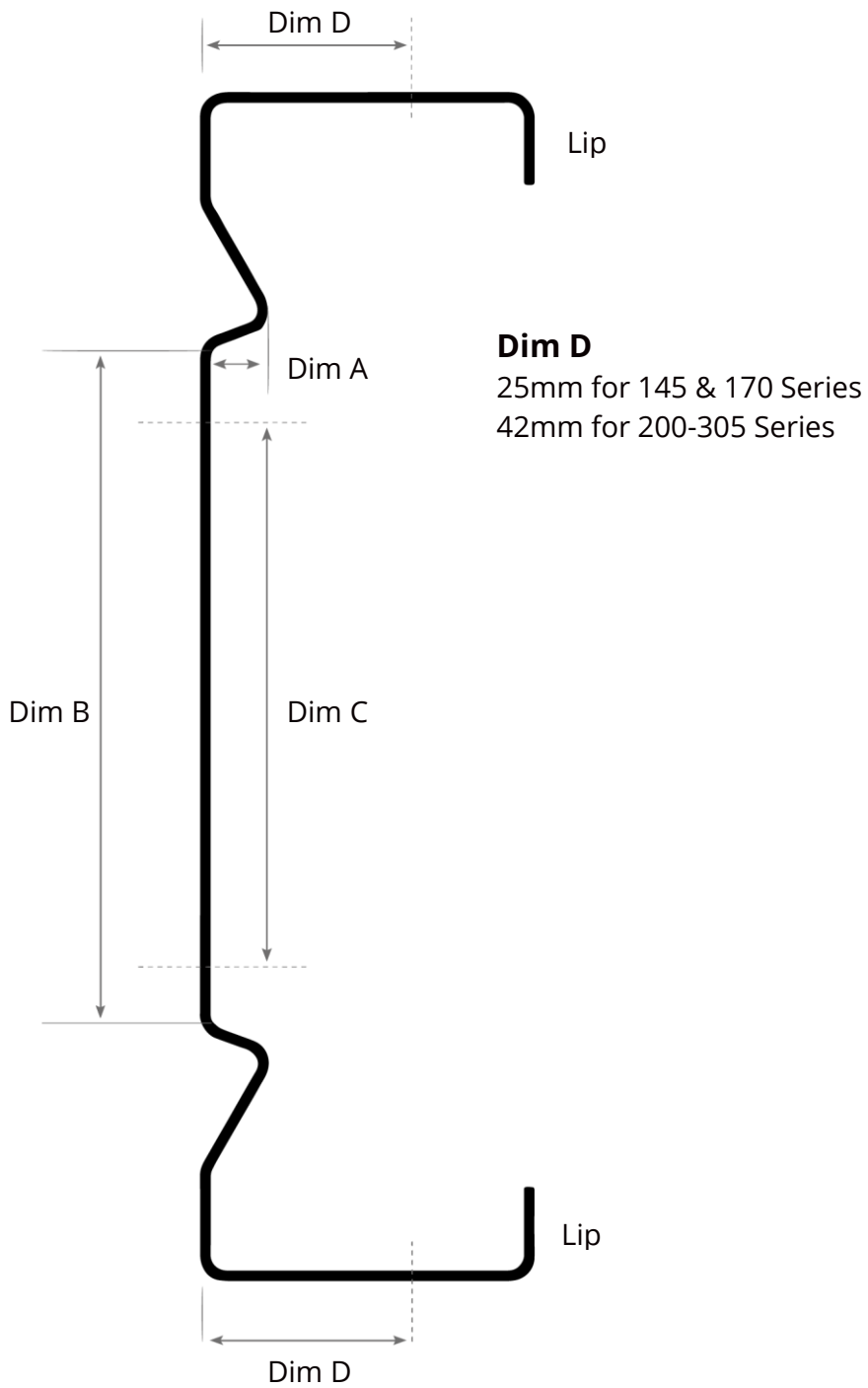


# HADLEY UltraBEAM™2 Sectional properties and dimensions

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

HADLEY UltraBEAM™2				Flange		Dim A Web 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	mm	mm	mm	Major axis cm <sup>4</sup>	Minor axis cm <sup>4</sup>	Major axis cm <sup>3</sup>	Minor axis cm <sup>3</sup>	Major axis M <sub>cx</sub> kNm	Major axis r <sub>ox</sub> cm	Minor axis r <sub>yy</sub> cm
1456312	2.70	1.20	145	63	16	9	75	37	121.54	18.89	16.76	4.34	5.15	5.78	2.28
1456313	2.93	1.30	145	63	16	9	75	37	131.35	20.37	18.12	4.68	5.71	5.78	2.27
1456314	3.15	1.40	145	63	16	9	75	37	141.10	21.84	19.46	5.02	6.30	5.78	2.27
1456315	3.38	1.50	145	63	16	9	75	37	150.81	23.28	20.80	5.36	6.91	5.78	2.27
1456316	3.61	1.60	145	63	16	9	75	37	160.47	24.72	22.13	5.69	7.53	5.78	2.27
1456318	4.06	1.80	145	63	16	9	75	37	179.65	27.55	24.78	6.34	8.86	5.78	2.26
1456320	4.51	2.00	145	63	16	9	75	37	198.64	30.32	27.40	6.99	10.25	5.77	2.26
1456323	5.14	2.30	145	63	16	9	75	37	226.75	34.37	31.28	7.93	12.32	5.77	2.25
1706312	2.92	1.20	170	63	16	9	100	62	176.09	19.88	20.72	4.42	6.21	6.69	2.25
1706313	3.18	1.30	170	63	16	9	100	62	190.34	21.44	22.39	4.77	6.88	6.68	2.24
1706314	3.42	1.40	170	63	16	9	100	62	204.53	22.98	24.06	5.12	7.58	6.68	2.24
1706315	3.67	1.50	170	63	16	9	100	62	218.66	24.50	25.72	5.46	8.31	6.69	2.24
1706316	3.92	1.60	170	63	16	9	100	62	232.72	26.02	27.38	5.80	9.06	6.69	2.24
1706318	4.41	1.80	170	63	16	9	100	62	260.66	28.99	30.67	6.46	10.65	6.69	2.23
1706320	4.89	2.00	170	63	16	9	100	62	288.34	31.91	33.92	7.12	12.34	6.68	2.22
1706323	5.59	2.30	170	63	16	9	100	62	329.39	36.18	38.75	8.08	14.96	6.68	2.21
2006312	3.42	1.20	200	63	18	12.5	100	50	258.23	21.29	25.82	4.66	7.63	7.70	2.21
2006313	3.65	1.30	200	63	18	12.5	100	50	279.19	22.96	27.92	5.03	8.65	7.69	2.21
2006314	3.93	1.40	200	63	18	12.5	100	50	300.08	24.61	30.01	5.39	9.66	7.69	2.20
2006315	4.21	1.50	200	63	18	12.5	100	50	320.87	26.24	32.09	5.75	10.69	7.69	2.20
2006316	4.49	1.60	200	63	18	12.5	100	50	341.59	27.86	34.16	6.11	11.61	7.69	2.20
2006318	5.00	1.80	200	63	18	12.5	100	50	382.76	31.06	38.28	6.81	13.53	7.69	2.19
2006320	5.56	2.00	200	63	18	12.5	100	50	423.61	34.18	42.36	7.50	15.55	7.69	2.18
2006323	6.35	2.30	200	63	18	12.5	100	50	484.25	38.76	48.43	8.52	18.77	7.69	2.17
2006325	6.91	2.50	200	63	18	12.5	100	50	524.27	41.74	52.43	9.18	21.03	7.68	2.17
2006330	8.24	3.00	200	63	18	12.5	100	50	622.87	48.92	62.29	10.77	26.70	7.68	2.15
2256313	3.92	1.30	225	63	18	12.5	125	75	369.73	23.81	32.87	5.10	9.83	8.56	2.17
2256314	4.22	1.40	225	63	18	12.5	125	75	397.44	25.52	35.33	5.46	10.96	8.56	2.17
2256315	4.52	1.50	225	63	18	12.5	125	75	425.05	27.22	37.78	5.83	12.15	8.56	2.17
2256316	4.82	1.60	225	63	18	12.5	125	75	452.55	28.90	40.23	6.19	13.34	8.56	2.16
2256318	5.37	1.80	225	63	18	12.5	125	75	507.25	32.21	45.09	6.90	15.54	8.56	2.16
2256320	5.96	2.00	225	63	18	12.5	125	75	561.54	35.45	49.91	7.60	17.85	8.56	2.15
2256323	6.79	2.30	225	63	18	12.5	125	75	642.20	40.20	57.08	8.63	21.55	8.56	2.14
2256325	7.38	2.50	225	63	18	12.5	125	75	695.47	43.29	61.82	9.30	24.15	8.55	2.13
2256330	8.83	3.00	225	63	18	12.5	125	75	826.86	50.74	73.50	10.92	30.91	8.55	2.13
2556313	4.21	1.30	255	63	18	12.5	155	105	499.40	24.69	39.17	5.16	11.19	9.59	2.13
2556314	4.54	1.40	255	63	18	12.5	155	105	536.90	26.47	42.11	5.54	12.48	9.59	2.13
2556315	4.85	1.50	255	63	18	12.5	155	105	574.28	28.23	45.04	5.91	13.82	9.58	2.12
2556316	5.17	1.60	255	63	18	12.5	155	105	611.52	29.97	47.96	6.27	15.22	9.58	2.12
2556318	5.82	1.80	255	63	18	12.5	155	105	685.62	33.41	53.77	6.99	17.92	9.59	2.12
2556320	6.42	2.00	255	63	18	12.5	155	105	759.21	36.78	59.55	7.70	20.59	9.58	2.11
2556323	7.35	2.30	255	63	18	12.5	155	105	868.63	41.70	68.13	8.74	24.85	9.58	2.10
2556325	7.98	2.50	255	63	18	12.5	155	105	940.93	44.90	73.80	9.42	27.85	9.58	2.09
2556330	9.53	3.00	255	63	18	12.5	155	105	1119.49	52.63	87.80	11.06	35.83	9.57	2.08
2856314	4.81	1.40	285	63	18	12.5	185	135	702.82	27.30	49.32	5.59	13.92	10.59	2.09
2856315	5.16	1.50	285	63	18	12.5	185	135	751.83	29.11	52.76	5.97	15.41	10.59	2.08
2856316	5.50	1.60	285	63	18	12.5	185	135	800.68	30.91	56.19	6.34	16.97	10.59	2.08
2856318	6.19	1.80	285	63	18	12.5	185	135	897.90	34.45	63.01	7.07	20.23	10.59	2.08
2856320	6.84	2.00	285	63	18	12.5	185	135	994.50	37.92	69.79	7.79	23.24	10.59	2.07
2856323	7.87	2.30	285	63	18	12.5	185	135	1138.23	43.00	79.88	8.84	29.41	10.59	2.06
2856325	8.55	2.50	285	63	18	12.5	185	135	1233.26	46.30	86.54	9.52	31.45	10.59	2.05
2856330	10.19	3.00	285	63	18	12.5	185	135	1468.13	54.27	103.03	11.18	40.52	10.58	2.03
3056314	5.10	1.40	305	63	18	12.5	205	155	829.03	27.79	54.36	5.63	14.82	11.26	2.06
3056315	5.46	1.50	305	63	18	12.5	205	155	886.93	29.63	58.16	6.00	16.41	11.25	2.06
3056316	5.83	1.60	305	63	18	12.5	205	155	944.62	31.46	61.94	6.38	18.07	11.25	2.05
3056318	6.55	1.80	305	63	18	12.5	205	155	1059.47	35.07	69.47	7.11	21.57	11.26	2.05
3056320	7.28	2.00	305	63	18	12.5	205	155	1173.60	38.60	76.96	7.83	24.93	11.25	2.04
3056323	8.30	2.30	305	63	18	12.5	205	155	1343.48	43.77	88.10	8.89	31.16	11.25	2.03
3056325	9.02	2.50	305	63	18	12.5	205	155	1455.84	47.14	95.47	9.58	33.75	11.25	2.02
3056330	10.83	3.00	305	63	18	12.5	205	155	1733.68	55.25	113.68	11.25	40.16	11.24	2.01

# HADLEY UltraBEAM™2



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