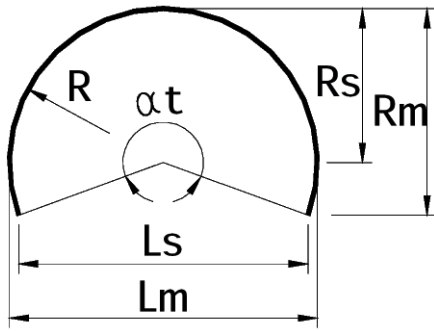


## T200 CA1 CIRCULAR ARCH TYPE 1

### Profile Geometry

These arch profiles comply with Highways Agency standard BD12

Code	Max Span L <sub>m</sub>	Minor Span L <sub>s</sub>	Major Rise R <sub>m</sub>	Minor Rise R <sub>s</sub>	Area	Periphery	Plates	R	αt
T200	m	m	m	m	m <sup>2</sup>	m		mm	
CA1/01	2.00	1.87	1.36	1.00	2.28	3.88	2	1000	222.31
CA1/02	2.00	1.77	1.47	1.00	2.47	4.12	2	1000	235.77
CA1/03	2.25	2.10	1.52	1.13	2.87	4.35	2	1125	221.54
CA1/04	2.25	2.01	1.63	1.13	3.09	4.59	2	1125	233.51
CA1/05	2.50	2.34	1.69	1.25	3.52	4.82	3	1250	220.93
CA1/06	2.50	2.25	1.80	1.25	3.77	5.06	3	1250	231.70
CA1/07	2.75	2.58	1.85	1.38	4.25	5.29	3	1375	220.43
CA1/08	2.75	2.49	1.96	1.38	4.53	5.53	3	1375	230.23
CA1/09	3.00	2.82	2.01	1.50	5.04	5.76	3	1500	220.02
CA1/10	3.00	2.73	2.12	1.50	5.35	6.00	3	1500	228.99
CA1/11	3.00	2.62	2.23	1.50	5.63	6.23	3	1500	237.97
CA1/12	3.25	2.97	2.29	1.63	6.23	6.47	3	1625	227.95
CA1/13	3.25	2.87	2.39	1.63	6.54	6.70	3	1625	236.24
CA1/14	3.50	3.21	2.45	1.75	7.19	6.94	3	1750	227.06
CA1/15	3.50	3.11	2.55	1.75	7.52	7.17	4	1750	234.75
CA1/16	3.75	3.45	2.61	1.88	8.21	7.41	4	1875	226.28
CA1/17	3.75	3.35	2.72	1.88	8.57	7.64	4	1875	233.46
CA1/18	4.00	3.69	2.78	2.00	9.30	7.88	4	2000	225.60
CA1/19	4.00	3.59	2.88	2.00	9.69	8.11	4	2000	232.33
CA1/20	4.00	3.48	2.99	2.00	10.06	8.35	4	2000	239.07
CA1/21	4.25	3.93	2.94	2.13	10.46	8.35	4	2125	225.00
CA1/22	4.25	3.83	3.05	2.13	10.88	8.58	4	2125	231.34
CA1/23	4.25	3.72	3.15	2.13	11.27	8.82	4	2125	237.68
CA1/24	4.50	4.17	3.10	2.25	11.69	8.82	4	2250	224.47
CA1/25	4.50	4.07	3.21	2.25	12.13	9.05	4	2250	230.46
CA1/26	4.50	3.97	3.31	2.25	12.56	9.29	4	2250	236.44
CA1/27	4.75	4.40	3.26	2.38	12.99	9.29	4	2375	224.00
CA1/28	4.75	4.31	3.37	2.38	13.46	9.52	5	2375	229.67
CA1/29	4.75	4.21	3.48	2.38	13.90	9.76	5	2375	235.34
CA1/30	5.00	4.64	3.43	2.50	14.35	9.76	5	2500	223.57
CA1/31	5.00	4.55	3.54	2.50	14.84	9.99	5	2500	228.95
CA1/32	5.00	4.45	3.64	2.50	15.32	10.23	5	2500	234.34
CA1/33	5.00	4.34	3.74	2.50	15.77	10.46	5	2500	239.73
CA1/34	5.25	4.88	3.59	2.63	15.78	10.23	5	2625	223.18
CA1/35	5.25	4.79	3.70	2.63	16.30	10.46	5	2625	228.31



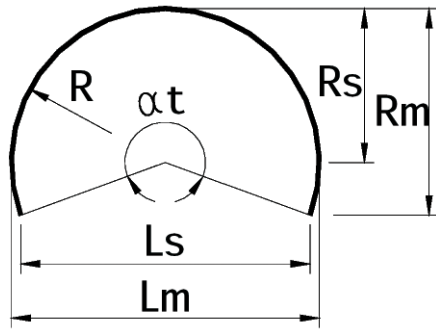
# T200 CA1 CIRCULAR ARCH TYPE 1

## Profile Geometry

These arch profiles comply with Highways Agency standard BD12

Code	Max Span Lm	Minor Span Ls	Major Rise Rm	Minor Rise Rs	Area	Periphery	Plates	R	αt
T200	m	m	m	m	m <sup>2</sup>	m		mm	
CA1/36	5.25	4.69	3.81	2.63	16.81	10.70	5	2625	233.44
CA1/37	5.25	4.58	3.91	2.63	17.29	10.93	5	2625	238.57
CA1/38	5.50	5.12	3.75	2.75	17.28	10.70	5	2750	222.83
CA1/39	5.50	5.03	3.86	2.75	17.83	10.93	5	2750	227.73
CA1/40	5.50	4.93	3.97	2.75	18.36	11.17	5	2750	232.62
CA1/41	5.50	4.82	4.07	2.75	18.87	11.40	5	2750	237.52
CA1/42	5.75	5.36	3.92	2.88	18.84	11.17	5	2875	222.51
CA1/43	5.75	5.27	4.03	2.88	19.42	11.40	5	2875	227.19
CA1/44	5.75	5.17	4.13	2.88	19.98	11.64	5	2875	231.87
CA1/45	5.75	5.06	4.24	2.88	20.51	11.87	6	2875	236.56
CA1/46	6.00	5.60	4.08	3.00	20.48	11.64	5	3000	222.21
CA1/47	6.00	5.51	4.19	3.00	21.08	11.87	6	3000	226.70
CA1/48	6.00	5.41	4.30	3.00	21.66	12.11	6	3000	231.19
CA1/49	6.00	5.31	4.40	3.00	22.23	12.34	6	3000	235.68
CA1/50	6.25	5.84	4.24	3.13	22.18	12.11	6	3125	221.94
CA1/51	6.25	5.75	4.35	3.13	22.81	12.34	6	3125	226.25
CA1/52	6.25	5.65	4.46	3.13	23.42	12.58	6	3125	230.56
CA1/53	6.25	5.55	4.56	3.13	24.01	12.81	6	3125	234.87
CA1/54	6.25	5.44	4.67	3.13	24.58	13.05	6	3125	239.18
CA1/55	6.50	6.07	4.41	3.25	23.95	12.58	6	3250	221.69
CA1/56	6.50	5.99	4.52	3.25	24.61	12.81	6	3250	225.83
CA1/57	6.50	5.89	4.62	3.25	25.24	13.05	6	3250	229.98
CA1/58	6.50	5.79	4.73	3.25	25.86	13.28	6	3250	234.12
CA1/59	6.50	5.68	4.83	3.25	26.45	13.52	6	3250	238.26
CA1/60	6.75	6.31	4.57	3.38	25.78	13.05	6	3375	221.46
CA1/61	6.75	6.23	4.68	3.38	26.47	13.28	6	3375	225.45
CA1/62	6.75	6.13	4.79	3.38	27.13	13.52	6	3375	229.44
CA1/63	6.75	6.03	4.89	3.38	27.78	13.75	6	3375	233.43
CA1/64	6.75	5.92	5.00	3.38	28.40	13.99	6	3375	237.42
CA1/65	7.00	6.55	4.73	3.50	27.69	13.52	6	3500	221.24
CA1/66	7.00	6.47	4.84	3.50	28.40	13.75	6	3500	225.09
CA1/67	7.00	6.37	4.95	3.50	29.09	13.99	6	3500	228.94
CA1/68	7.00	6.27	5.06	3.50	29.76	14.22	7	3500	232.79
CA1/69	7.00	6.16	5.16	3.50	30.41	14.46	7	3500	236.63
CA1/70	7.25	6.79	4.90	3.63	29.66	13.99	6	3625	221.04
CA1/71	7.25	6.70	5.01	3.63	30.40	14.22	7	3625	224.76
CA1/72	7.25	6.61	5.11	3.63	31.12	14.46	7	3625	228.47
CA1/73	7.25	6.51	5.22	3.63	31.82	14.69	7	3625	232.19
CA1/74	7.25	6.40	5.32	3.63	32.49	14.93	7	3625	235.90
CA1/75	7.25	6.29	5.43	3.63	33.15	15.16	7	3625	239.62

25.6.2008



## T200 CA1 CIRCULAR ARCH TYPE 1

### Profile Geometry

These arch profiles comply with Highways Agency standard BD12

Code	Max Span $L_m$	Minor Span $L_s$	Major Rise $R_m$	Minor Rise $R_s$	Area	Periphery	Plates	R	$\alpha t$
T200	m	m	m	m	m <sup>2</sup>	m		mm	
CA1/76	7.50	7.03	5.06	3.75	31.70	14.46	7	3750	220.86
CA1/77	7.50	6.94	5.17	3.75	32.47	14.69	7	3750	224.45
CA1/78	7.50	6.85	5.28	3.75	33.21	14.93	7	3750	228.04
CA1/79	7.50	6.75	5.38	3.75	33.94	15.16	7	3750	231.63
CA1/80	7.50	6.65	5.49	3.75	34.64	15.40	7	3750	235.22
CA1/81	7.50	6.53	5.59	3.75	35.32	15.63	7	3750	238.81
CA1/82	7.75	7.27	5.22	3.88	33.81	14.93	7	3875	220.68
CA1/83	7.75	7.18	5.33	3.88	34.60	15.16	7	3875	224.16
CA1/84	7.75	7.09	5.44	3.88	35.38	15.40	7	3875	227.63
CA1/85	7.75	6.99	5.55	3.88	36.13	15.63	7	3875	231.11
CA1/86	7.75	6.89	5.65	3.88	36.86	15.87	7	3875	234.58
CA1/87	7.75	6.78	5.76	3.88	37.57	16.10	7	3875	238.06
CA1/88	8.00	7.51	5.39	4.00	35.99	15.40	7	4000	220.52
CA1/89	8.00	7.42	5.49	4.00	36.81	15.63	7	4000	223.88
CA1/90	8.00	7.33	5.60	4.00	37.61	15.87	7	4000	227.25
CA1/91	8.00	7.23	5.71	4.00	38.38	16.10	7	4000	230.62
CA1/92	8.00	7.13	5.82	4.00	39.14	16.34	7	4000	233.98
CA1/93	8.00	7.02	5.92	4.00	39.88	16.57	8	4000	237.35