

Corrugated Steel Arch Pipe Technical Specifications



Circular



Elliptical



Pipe arch



High profile pipe
arch



Arch



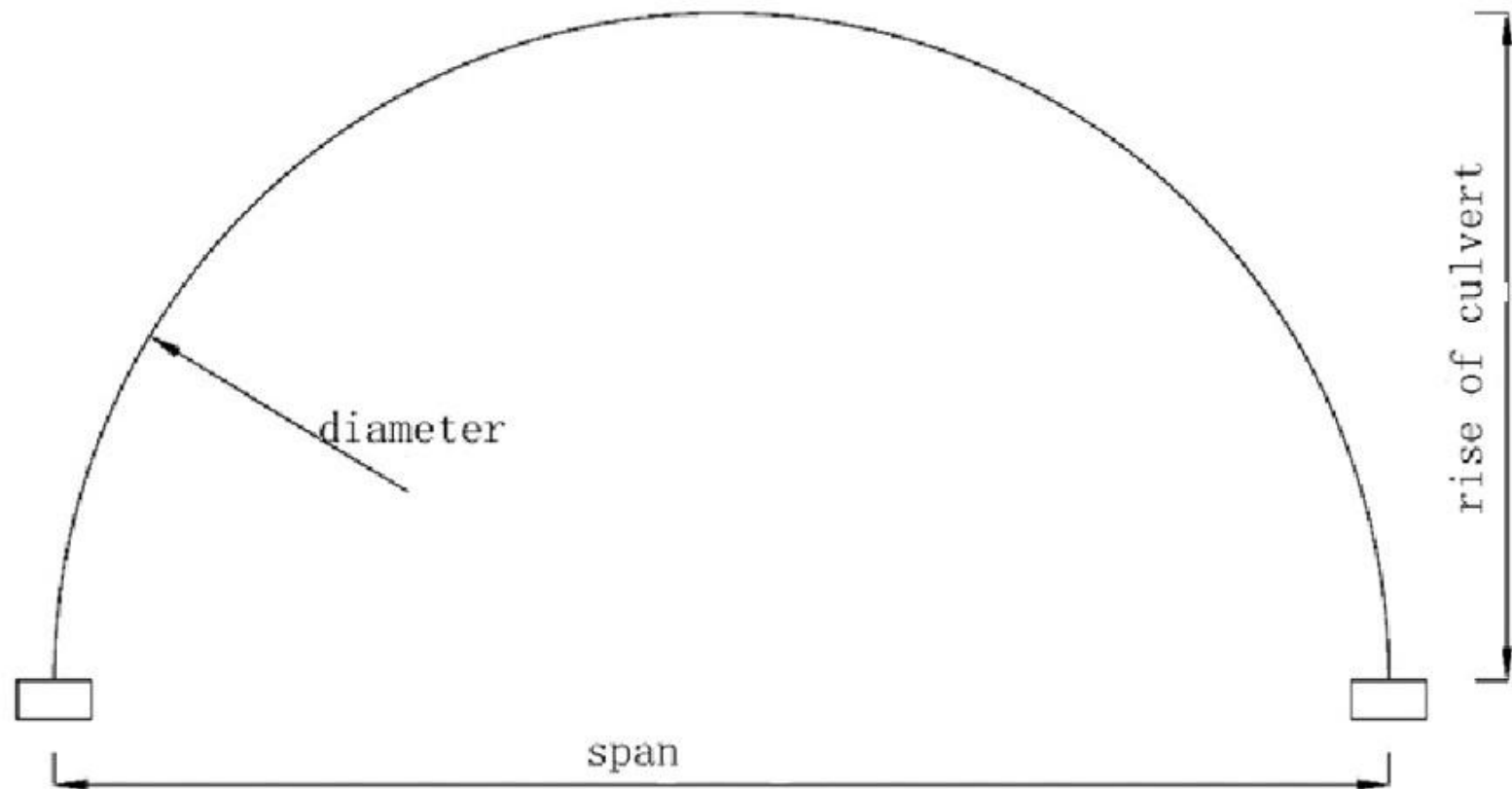
Low profile arch



High profile arch



High profile ellipse

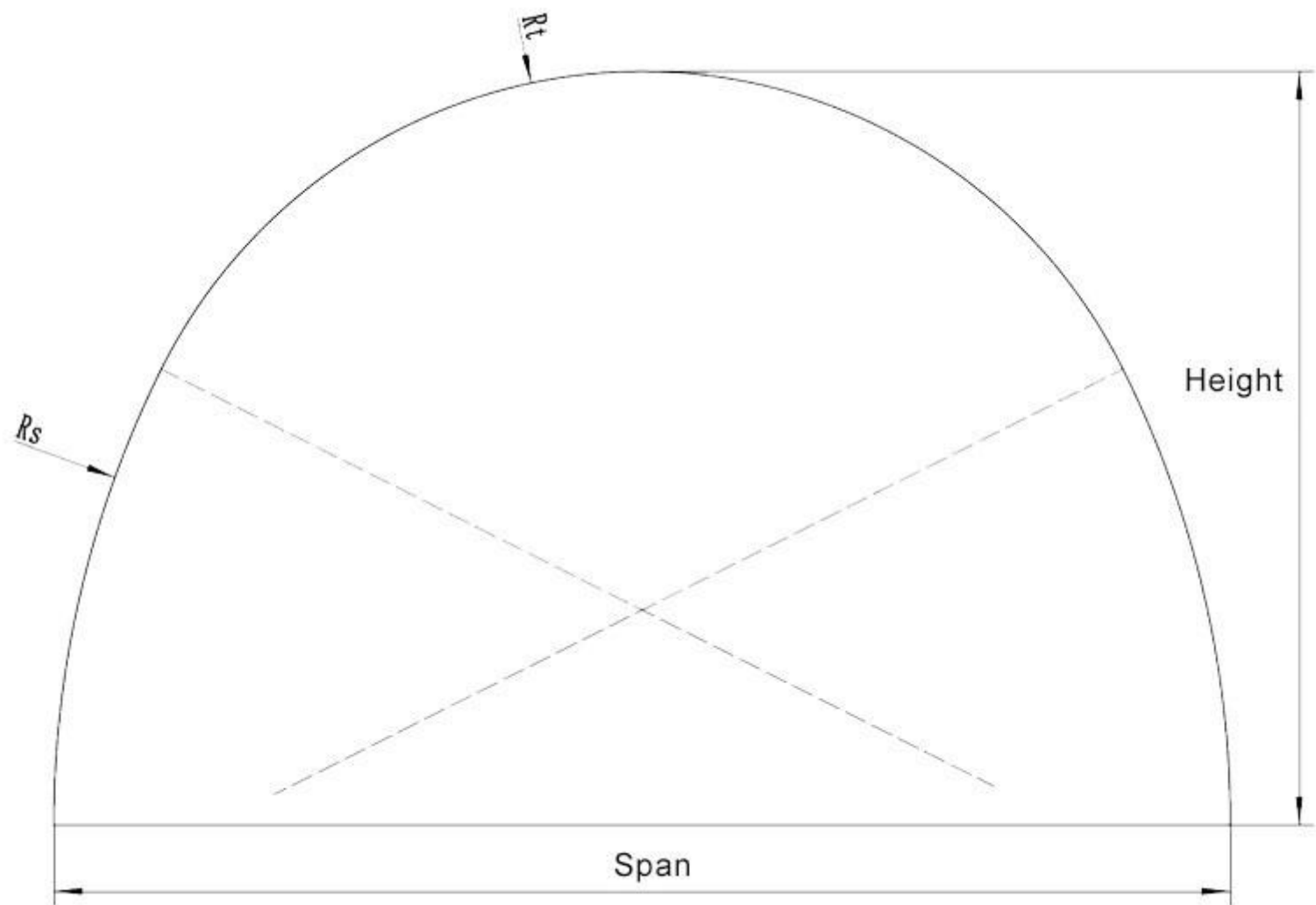


Half-Circle

Model	Span (mm)	Height (mm)	Sectional Area (m²)	Arc Length (mm)	Number Of Holes	Diameter (mm)	Wave Size (mm*mm)
SC-01	4000	2000	6.28	6503	20	2000	380×140
SC-02	4500	2250	7.95	7288	22	2250	
SC-03	5000	2500	9.82	8074	25	2500	
SC-04	5500	2750	11.88	8859	27	2750	
SC-05	6000	3000	14.14	9645	30	3000	
SC-06	6500	3250	16.59	10430	32	3250	
SC-07	7000	3500	19.24	11215	34	3500	
SC-08	7500	3750	22.09	12001	37	3750	
SC-09	8000	4000	25.13	12786	39	4000	
SC-10	8500	4250	28.37	13572	42	4250	
SC-11	9000	4500	31.81	14357	44	4500	
SC-12	9500	4750	35.44	15142	47	4750	
SC-13	10000	5000	39.27	15928	49	5000	
SC-14	10500	5250	43.30	16729	52	5250	
SC-15	11000	5500	47.52	17514	55	5500	
SC-16	11500	5750	51.93	18300	57	5750	

Model	Span (mm)	Height	Sectional Area (m²)	Arc Length (mm)	Number Of Holes	Diameter (mm)	Wave Size (mm*mm)
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		(mm)					
SC-17	12000	6000	56. 55	19085	59	6000	400×150
SC-18	12500	6250	61. 36	19871	62	6250	
SC-19	13000	6500	66. 37	20656	64	6500	
SC-20	13500	6750	71. 57	21441	67	6750	
SC-21	14000	7000	76. 97	22227	69	7000	
SC-22	14500	7250	82. 56	23012	72	7250	
SC-23	15000	7500	88. 36	23798	74	7500	
SC-24	15500	7750	94. 35	24583	76	7750	
SC-25	16000	8000	100. 53	25368	79	8000	
SC-26	16500	8250	106. 91	26154	81	8250	
SC-27	17000	8500	113. 49	26939	84	8500	
SC-28	17500	8750	120. 26	27725	87	8750	
SC-29	18000	9000	127. 23	28510	89	9000	
SC-30	18500	9250	134. 40	29295	92	9250	
SC-31	19000	9500	141. 76	30081	94	9500	
SC-32	19500	9750	149. 32	30866	97	9750	
SC-33	20000	10000	157. 08	31652	99	10000	

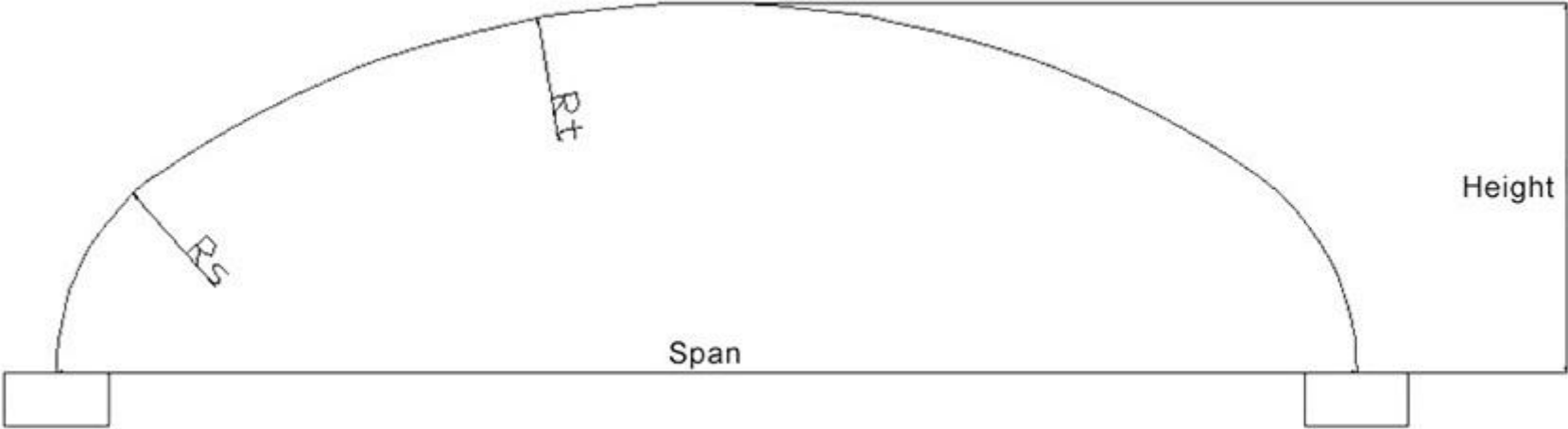


High Arch

Model	Span (mm)	Height (mm)	Sectional Area (m ²)	Waist Radius (mm)	Top Radius (mm)	Arc Length (mm)	Total Holes (pcs)
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GA-1	6916	5750	31. 8	9458	2750	14859	49
GA-2	4636	6000	21. 88	1590	31080	13942	46
GA-3	7416	6000	35. 7	9707	3000	15644	52
GA-4	5136	6250	25. 47	1840	31300	14728	49
GA-5	7916	6250	39. 7	9958	3250	16430	54
GA-6	5640	6500	29. 25	2090	31580	15516	52
GA-7	8417	6500	43. 9	10208	3500	17216	56
GA-8	6140	6750	33. 2	2340	31840	16300	54
GA-9	8917	6750	48. 3	10458	3750	18000	58
GA-10	6650	7000	37. 6	2590	32080	18000	60
GA-11	9417	7000	52. 9	10708	4000	18787	60
GA-12	7063	7250	44. 43	3090	32580	18156	59
GA-13	7143	7250	41. 8	2840	32330	17869	59
GA-14	9917	7250	57. 7	10958	4250	19572	63
GA-15	7243	7300	47	2890	32380	13200	44
GA-16	7644	7500	46. 3	3090	32580	18656	62
GA-17	10417	7500	62. 7	11208	4500	20360	66
GA-18	10916	7750	67. 9	11458	4750	21143	68
GA-19	11416	8000	73. 2	11708	5000	21930	71
GA-20	12416	8500	84. 6	12208	5500	23498	76

GA-21	13417	9000	96.7	12708	6000	25070	81
GA-22	14416	9500	109.7	13208	6500	26641	86
GA-23	15416	10000	123.4	13708	7000	28212	91
GA-24	16417	10500	137.9	14208	7500	29783	96



Low Arch-1

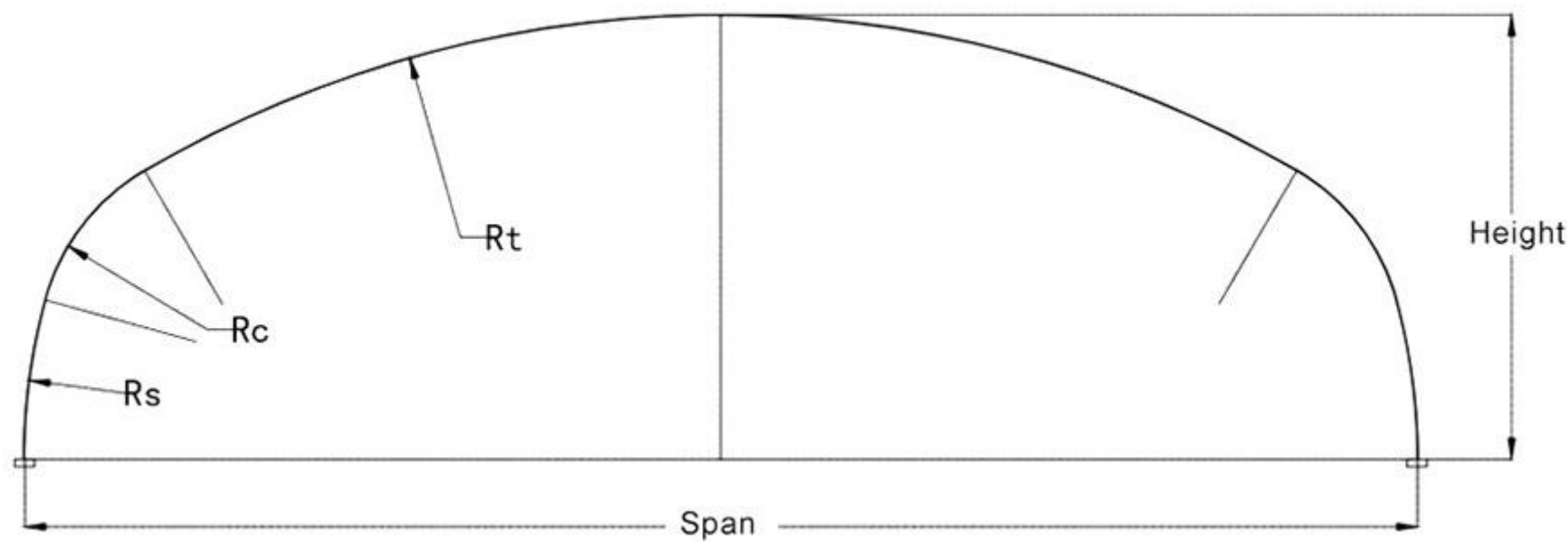
Model	Max Span (mm)	Bottom Span (mm)	Height (mm)	Sectional Area (m²)	Perimeter (mm)	Top (mm)	Side (mm)	Number of Holes (pcs)
NA-01	8000	7994	3594	23.36	12153	5500	3303	40
NA-02	9231	8983	3760	28.05	13492	5740	2000	45
NA-03	9697	9500	3956	31.45	14280	6500	2500	47

NA-04	10156	9967	3970	32. 64	14589	6600	2300	48
NA-05	10236	9740	4547	38. 84	15859	6800	2600	52
NA-06	10500	10428	3974	33. 47	14772	6800	2600	49
NA-07	11000	10928	4139	36. 63	15436	6800	2600	51
NA-08	11000	10588	4776	42. 92	16653	6800	2600	55
NA-09	11500	11460	4221	38. 41	15843	6976	2600	52
NA-10	12000	11982	4259	39. 69	16184	7315	2600	54
NA-11	12000	11432	5639	56. 68	19135	8000	3500	63
NA-12	12500	12461	4501	44. 03	17023	7700	2700	56
NA-13	13000	12964	4553	46. 91	17636	8600	3000	58
NA-14	13000	12788	5890	63. 71	20158	9000	4430	67
NA-15	13500	13479	4612	50. 1	18279	9900	3430	61
NA-16	14000	13959	4877	54. 83	19086	9900	3430	64
NA-17	14000	13682	6543	77. 72	22293	12000	5000	74
NA-18	14500	14490	5150	60. 09	19846	12000	5000	66
NA-19	15000	14498	5232	61. 73	20087	13000	5000	67
NA-20	15000	14732	7022	89. 04	23826	13000	5550	79
NA-21	15500	15342	5520	71. 76	21845	14000	4000	73
NA-22	16000	15998	4922	63. 94	20971	14000	4000	70
NA-23	16000	15833	6666	89. 71	24024	14000	5300	80

NA-24	16500	16420	5168	67.4	21371	14000	5300	71
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Model	Max Span (mm)	Bottom Span (mm)	Height (mm)	Sectional Area (m²)	Perimeter (mm)	Top (mm)	Side (mm)	Number of Holes (pcs)
NA-25	17000	16910	5224	69.84	21828	14000	5300	73
NA-26	17000	16724	6720	95.94	25003	14000	4800	83
NA-27	17500	17465	5285	70.02	22432	14000	4800	75
NA-28	18000	17985	5547	78.99	23267	14000	4800	77
NA-29	18000	17771	7000	104.81	26139	14000	5000	87
NA-30	18500	18459	5617	81.34	23660	14000	5000	79
NA-31	19000	18970	5889	87.71	24498	14000	5000	82
NA-32	19000	18839	7098	110.63	26926	14000	5000	90
NA-33	19500	19470	5968	90.47	24939	14000	5000	83
NA-34	20000	19931	6250	100.25	26270	15300	4000	87
NA-35	20000	19834	7424	120.67	28135	14000	5000	94
NA-36	20500	20475	6339	100.2	26216	14000	5000	87
NA-37	21000	20988	6630	107.34	27049	14000	5000	90
NA-38	21000	20892	8462	144.44	30485	14000	6450	102
NA-39	21500	21432	6926	114.01	27745	14000	6000	92
NA-40	22000	21926	5917	102.23	27155	19000	5300	91
NA-41	22000	21496	8156	151.21	31688	19000	5300	105

NA-42	22500	22457	6174	109. 47	28004	19100	5300	93
NA-43	23000	22884	6953	130. 25	30148	19500	4500	100
NA-44	23000	22846	8911	170. 6	33295	19000	7000	111
NA-45	23500	23436	7014	129. 9	29970	19000	6500	100
NA-46	24000	23905	7275	136. 95	30669	19000	7000	102
NA-47	24000	23883	8994	178. 14	34116	19000	7000	114
NA-48	24500	24418	7343	140. 75	31175	19000	6800	104
NA-49	25000	24941	7414	144. 66	31694	19000	6500	105
NA-50	25000	24868	9292	190. 75	35338	19000	7000	118



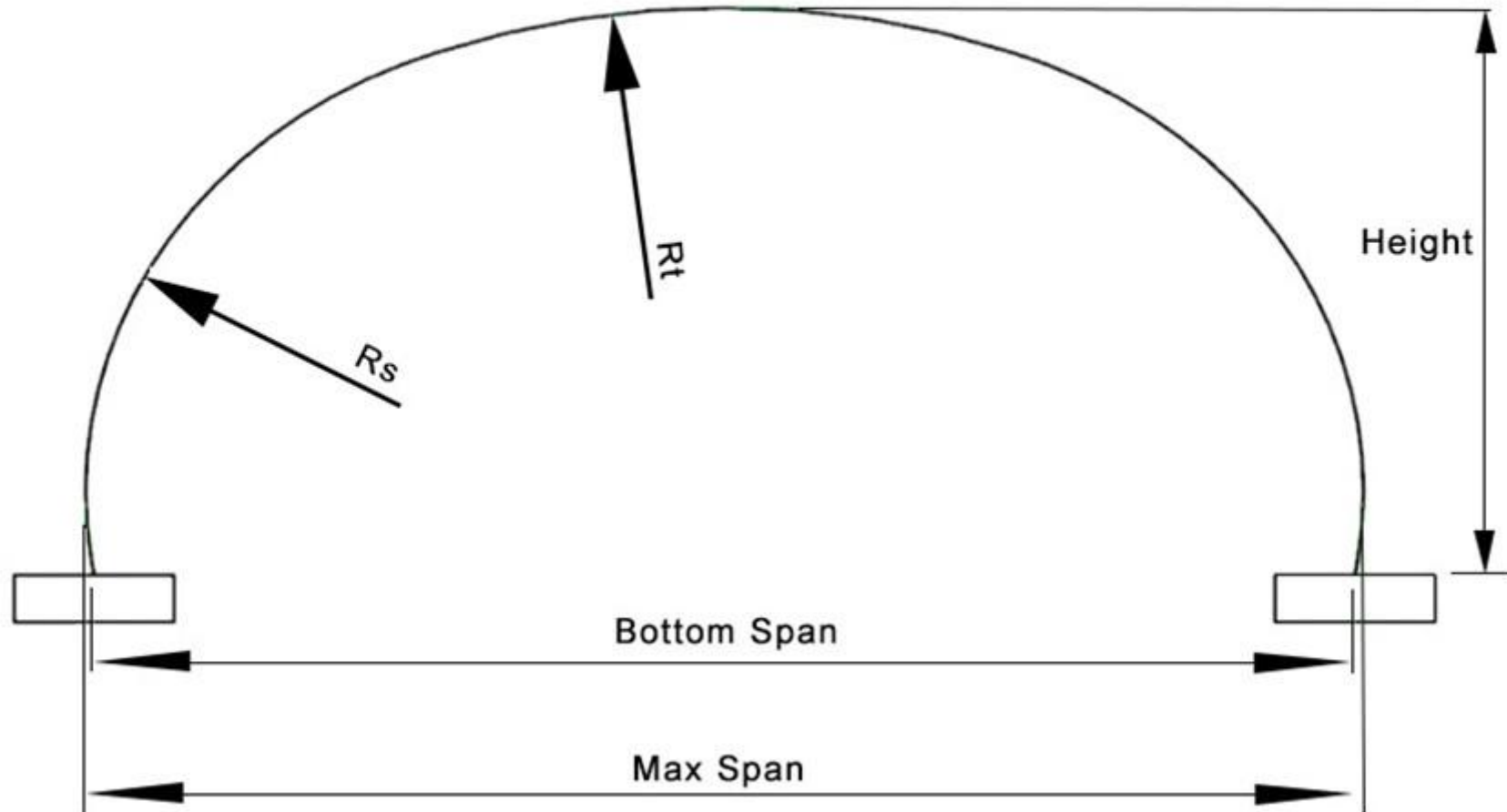
Low Arch-2

Model	Span (mm)	Height (mm)	Sectional Area (m ²)	Rt (mm)	Rc (mm)	Rs (mm)	Arc Length (mm)	Number of Holes (pcs)
R-26	11200	3200	28.55	10000	2300	6500	14180	43
R-27	11500	3250	30.04	11000	2320	7000	14575	45
R-28	12000	3300	31.59	11050	2400	7200	15035	46
R-29	12500	3350	33.13	11100	2430	7300	15490	48
R-30	13000	3400	34.75	11200	2500	7500	15939	50
R-31	13500	3550	37.41	11300	2580	7600	16542	52
R-32	14000	3700	40.39	11600	2650	7800	17171	54
R-33	14500	3800	42.64	11700	3000	8000	17670	55
R-34	15000	3900	44.87	11800	3200	8100	18175	57
R-35	15500	3980	46.9	11900	3300	8200	18648	58
R-36	16000	4000	47.7	12000	3400	5961	18936	59
R-37	16500	4200	51.51	12100	3200	8000	19597	61
R-38	17000	4260	57.16	16000	3800	9000	20640	64
R-39	17500	4350	60.02	16500	3900	4137	21193	66
R-40	18000	4500	64.17	17000	4200	3500	21899	68
R-41	18500	4700	68.61	17200	4300	4500	22538	70
R-42	19000	5000	75.73	17300	4400	3300	23539	73

R-43	19500	5200	81.36	17400	4400	3000	24404	76
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Model	Span (mm)	Height (mm)	Sectional Area (m2)	Rt (mm)	Rc (mm)	Rs (mm)	Arc Length (mm)	Number of Holes (pcs)
R-44	20000	5500	88.05	17500	4500	3800	25173	78
R-45	20500	5700	92.98	17800	4600	5000	25758	80
R-46	21000	5800	96.47	17800	4700	5000	26283	82
R-47	21500	6000	103.01	17850	3800	4000	27209	85
R-48	22000	6200	109.01	18000	4000	2800	27990	87
R-49	22500	6500	114.97	18500	3800	7000	28382	88
R-50	23000	6600	120.21	18500	4000	9000	29155	90
R-51	23500	6800	126.27	18600	4100	8900	29829	92
R-52	24000	7000	132.65	18800	4200	9200	30526	94
R-53	24500	7200	139	18900	4300	9200	31199	97
R-54	25000	7400	145.31	18900	4200	9000	31857	100
R-55	25500	7600	151.88	19000	4200	8900	32525	102
R-56	26000	7800	160.31	20000	4200	10000	33380	104
R-57	26500	8000	167.43	20000	4000	12000	34100	106
R-58	27000	8100	173.27	20500	3500	18000	34787	109

Corrugated Steel Multi Radius Arch Culvert Size



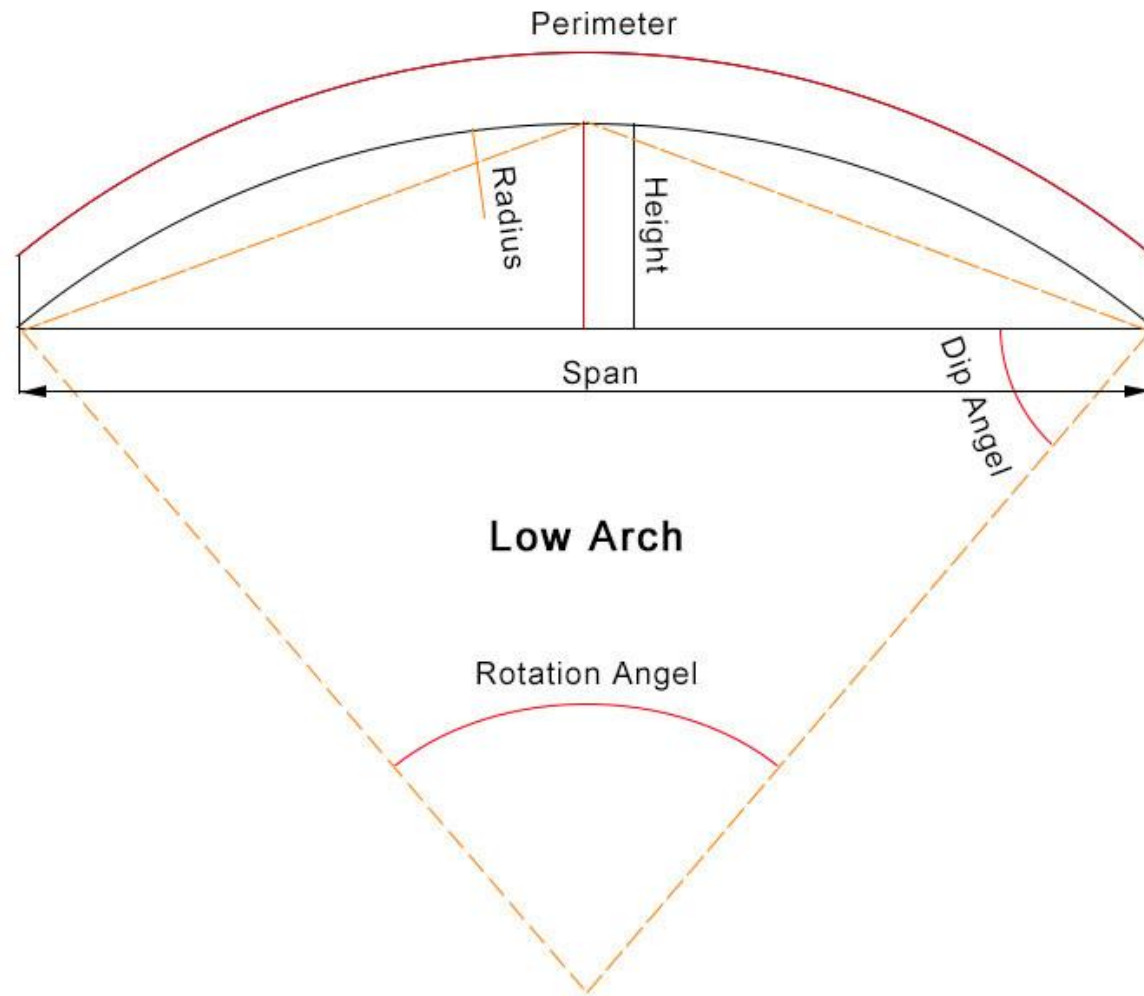
Special Arch-1

Model	Max Span (mm)	Bottom Span (mm)	Total Height (mm)	Sectional Area (m2)	Total Arc Length (mm)	Top Rt (mm)	Side Rs (mm)	Deflection Angel (°)	Total Holes (pcs)
OA-01	8000	7893	3960	26.3	12900	5350	3230	10.4	40
OA-02	8420	8244	4000	27.9	13326	5350	2918	14.1	42
OA-03	8960	8803	4050	29.5	13720	5350	2731	13.7	43
OA-04	9420	9284	4240	32.1	14256	5350	3074	8.8	45
OA-05	9880	9850	4430	34.6	14790	5350	3295	5.4	46
OA-06	10340	9920	4620	39.7	16021	6830	2780	22.4	50
OA-07	10800	10697	4810	40.6	16114	6830	3661	13.1	49
OA-08	11260	11075	5000	45.7	17038	6830	3825	8.6	54
OA-09	11720	11503	5190	49.1	17702	6830	3207	14.9	56
OA-10	12180	12041	5380	52.3	18232	6830	3917	11.6	57
OA-11	12640	12454	5570	55.5	18780	6830	2768	14.9	59
OA-12	13100	13025	5760	59.4	19416	7100	3677	8.1	61
OA-13	13560	13445	5950	62.6	19933	7100	2514	12.2	62
OA-14	14020	13849	6140	67.8	20760	7600	3218	13.2	65
OA-15	14480	14406	6330	71.2	21242	7600	3154	8.8	67
OA-16	14840	14116	7490	93.3	24139	11030	5830	14.5	75
OA-17	15300	15030	7580	96.4	24722	9900	5930	12.2	77
OA-18	15760	14895	6900	90.1	24079	13900	5100	16.2	75

OA-19	16535	16408	6320	86. 2	23647	13900	5436	4. 2	74
OA-20	17060	16690	8500	122. 4	27904	13900	6700	13. 5	87

Model	Max Span (mm)	Bottom Span (mm)	Total Heigth (mm)	Sectional Area (m2)	Total Arc Length (mm)	Top Rt (mm)	Side Rs (mm)	Deflection Angel (°)	Total Holes (pcs)
OA-21	17520	17311	7300	107	26240	13900	5600	11. 1	81
OA-22	18020	17561	8320	126. 6	28483	13900	6100	15. 8	89
OA-23	18500	17941	8670	135. 5	29486	13900	6200	17. 3	91
OA-24	19100	18835	7600	120	27914	13900	5300	12. 8	87
OA-25	19470	19283	8200	132	29090	13900	6300	9. 9	89
OA-26	20000	19767	8560	141. 5	30101	13900	6435	10. 9	94
OA-27	20560	20295	8930	151. 6	31129	13900	6628	12. 1	98
OA-28	21030	20711	9310	161. 6	32127	13900	6796	12. 4	98
OA-29	21620	21577	8250	142. 5	30398	13900	6200	4. 8	93
OA-30	22010	21223	8460	154. 6	31801	18900	6000	14. 8	97
OA-31	22504	22377	8860	160. 2	32014	18900	7300	8	97

OA-32	22990	22710	9120	175.6	33769	18900	6800	11.6	102
OA-33	23460	23176	9030	176.7	33976	18900	6532	11.9	103
OA-34	23980	23700	9360	186.9	34883	18900	6825	11.6	106
OA-35	24530	24338	9200	186.3	34921	18900	6730	9.7	106
OA-36	24990	24819	8960	183.3	34817	18900	6300	9.4	106
OA-37	25630	25419	9130	190.8	35569	18900	6100	10.6	108
OA-38	26030	25866	8850	185.8	35303	18900	5660	9.8	107
OA-39	26490	26195	9060	193.4	36050	18900	5230	13.6	111
OA-40	26980	26771	9150	197.6	36442	18900	5400	11.3	110
OA-41	27510	27266	9230	201.9	36902	18900	5130	12	112
OA-42	28060	27862	9310	206.1	37336	18900	4980	11.4	114



Special Arch-2

Model No.	Span S _{max} (mm)	Height H (mm)	Cross-Section Area (m ²)	Perimeter (mm)	Radius (mm)	Dip Angel (mm)	Holes (pcs)	Anchor DIA (mm)	Wave size (mm*mm)	Width (m/ring)
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QH3000*500	3000	500	1. 02	3218	2500	53	11	Φ 22	380*140	1. 52
QH4000*700	4000	700	1. 91	4319	3207	51. 5	14	Φ 22	380*140	1. 52
QH5000*925	5000	925	3. 17	5445	3841	49. 5	18	Φ 22	380*140	1. 52
QH6000*1100	6000	1100	4. 52	6524	4641	49. 5	22	Φ 22	380*140	1. 52
QH7000*1300	7000	1300	6. 23	7628	5357	49	25	Φ 24	380*140	1. 52
QH8000*1500	8000	1500	8. 22	8730	6084	49	29	Φ 24	380*140	1. 52
QH9000*1650	9000	1650	10. 16	9786	6961	49. 5	33	Φ 24	380*140	1. 52
QH10000*1850	10000	1850	12. 66	10890	7682	49. 5	36	Φ 28	380*140	1. 52
QH11000*2000	11000	2000	15. 05	11945	8563	50	40	Φ 28	380*140	1. 52
QH12000*2200	12000	2200	18. 06	13050	9282	49. 5	43	Φ 28	380*140	1. 52
QH13000*2300	13000	2300	20. 42	14060	10335	51	47	Φ 28	380*140	1. 52
QH14000*2450	14000	2450	23. 42	15117	11225	51. 5	50	Φ 28	380*140	1. 52
QH15000*2600	15000	2600	26. 61	16175	12117	52	53	Φ 28	380*140	1. 52
QH16000*2900	16000	2900	31. 73	17367	12485	50	57	Φ 30	380*140	1. 52
QH17000*3100	17000	3100	36. 05	18470	13203	50	61	Φ 30	380*140	1. 52

QH18000*3350	18000	3350	41. 29	19620	13765	49	65	Φ 30	380*140	1. 52
QH19000*3500	19000	3500	45. 51	20675	14643	49. 5	68	Φ 36	380*140	1. 52
QH20000*3800	20000	3800	52. 1	21875	15057	48. 5	72	Φ 36	380*140	1. 52