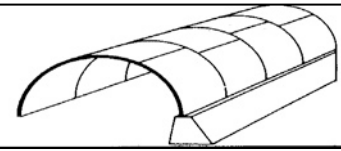


CORRUGATION 150 ARCH SECTION



CULVERT THICKNESS mm							GEOMETRICAL FEATURES					THEORICAL WEIGHT WITH BOLTS kg/m						
Heights of cover m							N. of plates	N. of spaces	Span m	Rise m	Section m ²	Thickness mm						
min. ÷ 0,75	0,76 ÷ 1,50	1,51 ÷ 2,50	2,51 ÷ 3,50	3,51 ÷ 4,50	4,51 ÷ 5,50	2,5						3,5	4,0	4,5	5,5	6,0	7,0	
2,5	2,5	2,5	2,5	2,5	2,5	1	10	1,52	0,81	1,00	74	102	115	129	156	190	209	
2,5	2,5	2,5	2,5	2,5	2,5	2	12	1,83	0,97	1,40	94	128	145	161	195	212	245	
3,5	2,5	2,5	2,5	2,5	2,5		14	2,13	1,12	1,85	108	147	166	185	224	243	282	
3,5	2,5	2,5	2,5	2,5	2,5		16	2,44	1,27	2,40	122	166	188	209	253	286	331	
3,5	3,5	2,5	2,5	3,5	3,5	3	18	2,74	1,44	3,05	135	185	209	233	282	318	367	
3,5	3,5	3,5	3,5	3,5	3,5		20	3,05	1,60	3,80	155	211	238	266	321	349	404	
4,0	3,5	3,5	3,5	3,5	3,5		22	3,35	1,75	4,65	168	230	259	289	350	381	440	
4,0	3,5	3,5	3,5	4,0	4,0		24	3,65	1,90	5,50	182	249	281	314	379	424	490	
4,0	4,0	3,5	4,0	4,0	4,5	4	26	3,96	2,06	6,50	196	268	303	338	409	455	526	
4,0	4,0	4,0	4,0	4,5	4,5		28	4,27	2,21	7,45	210	287	324	362	438	487	563	
4,5	4,5	4,5	4,5	4,5	5,5		30	4,57	2,36	8,55	229	312	353	394	476	518	599	
4,5	4,5	4,5	4,5	5,5	5,5		32	4,88	2,51	9,75	243	332	376	419	507	561	649	
5,5	5,5	5,5	5,5	5,5	5,5	5	34	5,18	2,69	11,05	257	351	397	443	535	592	685	
5,5	5,5	5,5	5,5	5,5	6,0		35	5,49	2,72	11,70	263	360	407	454	549	608	703	
6,0	6,0	5,5	6,0	6,0	6,0		37	5,79	2,88	13,00	277	379	429	479	579	639	740	
6,0	6,0	6,0	6,0	6,0	7,0		39	6,10	3,05	14,60	291	398	451	503	608	671	776	
7,0	6,0	6,0	7,0	7,0	-	6	41	6,40	3,20	16,00	311	425	480	536	648	714	826	
7,0	6,0	6,0	7,0	7,0	-		43	6,71	3,35	17,65	324	443	501	560	677	745	863	
7,0	6,0	6,0	7,0	-	-		45	7,01	3,50	19,30	338	462	523	584	706	776	898	
-	7,0	7,0	-	-	-		47	7,31	3,66	21,00	352	481	544	608	735	808	935	
-	7,0	7,0	-	-	-		49	7,62	3,81	22,95	366	500	566	632	764	851	985	
-	-	7,0	-	-	-	6	51	7,92	3,96	24,60	385	527	596	664	803	882	1021	
-	-	7,0	-	-	-		53	8,23	4,14	26,75	399	545	617	688	832	914	1057	
-	-	7,0	-	-	-		55	8,53	4,29	28,80	413	564	638	712	862	945	1094	
-	-	7,0	-	-	-		57	8,84	4,45	30,85	426	583	660	736	891	989	1144	
-	-	7,0	-	-	-		59	9,14	4,50	32,90	440	602	681	760	919	1020	1180	

- The above mentioned weights have to be increased of about kg/m 22 since they do not include anchor channels.
- The data in the table refer to structures with a rise/span ratio of about 0,50. We realize on request, special structures with a different rise/span ratio.
- The diameters indicated are nominal and referred to the circular theoretical section; culverts actually have elliptical section with a standard elongation of about 5% on the vertical axis, except those up to 1,98 m of diameter which are perfectly circular. A perfectly circular pre-moulding can be manufactured on demand for all indicated diameters.
- The dimensions indicated and referring to the inside radius, are nominal and therefore subject to manufacturing tolerances.
- The indicated thicknesses are nominal and refer to not galvanized and unrefined plates; they must conform to the tolerances as per UNI EN 10051 standard if not otherwise agreed; different specifications must be agreed in advance. Even weights, being theoretical, are variable according to the same thickness tolerances.