

# METAL CULVERTS, INC.

## Standard Sizes, End Areas & Handling Weights for CSP

Handling Weight & Availability  
ZINC-COATED CSP (GALVANIZED)  
ALUMINIZED-COATED CSP  
Pounds per lineal foot

Handling Weight & Availability  
POLYMER COATED CSP  
Pounds per lineal foot

### A. CORRUGATION PROFILE 1 1/2" x 1/4" (HELICAL CSP ONLY)

Pipe Diam. Inches	End area Sq. Ft.	Equivalent Pipe-Arch		Thickness				Thickness					
				(Inches)				(Inches)					
				Span & Rise Inches		End Area Sq. Ft.		18 Ga.		16 Ga.		18 Ga.	
						0.052	0.064	0.052	0.064	0.052	0.064	0.052	0.064
6	.2	--	--			3.9	4.8	4.9	5.9				
8	.4	--	--			5.2	6.3	6.5	7.6				
10	.5	--	--			6.5	7.7	8.1	9.3				
12	.8	--	--			7.6	9.4	9.6	11.4				
15	1.2	--	--			9.5	11.7	11.9	14.1				
18	1.8	--	--			11.4	14.0	14.3	16.9				

### B. CORRUGATION PROFILE 2 2/3" x 1/2" (HELICAL & RIVETED CSP)

Pipe Diam Inches	End Area Sq. Ft.	Equivalent Pipe-Arch		Thickness						Thickness					
				(Inches)						(Inches)					
				Span & Rise Inches		End Area Sq. Ft.		18 Ga.	16 Ga.	14 Ga.	12 Ga.	10 Ga.	8 Ga.	18 Ga.	16 Ga.
				0.052	0.064	0.079	0.109	0.138	0.17	0.052	0.064	0.079	0.109	0.138	0.17
12	0.8			9	11	13	--	--	--	11	13	15	--	--	--
15	1.2	17 x 13	1.1	11	13	16	--	--	--	14	16	19	--	--	--
18	1.8	21 x 15	1.6	12	15	19	26	--	--	16	19	23	30	--	--
21	2.4	24 x 18	2.2	15	18	22	31	--	--	18	21	25	34	--	--
24	3.1	28 x 20	2.9	16	20	25	34	--	--	20	24	29	38	--	--
30	4.9	35 x 24	4.5	20	24	30	41	--	--	26	30	36	47	--	--
36	7.1	42 x 29	6.5	24	29	36	49	62	--	31	36	43	56	69	--
42	9.6	49 x 33	8.9	28	34	42	57	72	--	36	42	50	65	80	--
48	12.6	57 x 38	11.6	31	38	48	65	82	100	41	48	58	75	92	110
54	15.9	64 x 43	14.7	--	--	54	73	92	112	--	--	65	84	103	123
60	19.6	71 x 47	18.1	--	--	60	81	103	124	--	--	71	92	114	135
66	23.8	77 x 52	21.9	--	--	65	89	113	137	--	--	77	101	125	149
72	28.3	83 x 57	26.0	--	--	--	98	123	149	--	--	--	112	137	163
78	33.2	--	--	--	--	--	105	133	161	--	--	--	121	145	177
84	38.5	--	--	--	--	--	--	144	173	--	--	--	--	161	190
90	44.2	--	--	--	--	--	--	154	186	--	--	--	--	172	204
96	50.3	--	--	--	--	--	--	--	198	--	--	--	--	--	217

### C. CORRUGATION PROFILE 3" x 1" OR 5" x 1" (HELICAL & RIVETED CSP)

Pipe Diam Inches	End Area Sq. Ft.	Equivalent Pipe-Arch		Thickness						Thickness							
				(Inches)						(Inches)							
				Span & Rise Inches		End Area Sq. Ft.		16 Ga.	14 Ga.	12 Ga.	10 Ga.	8 Ga.	16 Ga.	14 Ga.	12 Ga.	10 Ga.	8 Ga.
						0.064	0.079	0.109	0.138	0.168			0.064	0.079	0.109	0.138	0.168
54	15.9	60 x 46	15.6			50	61	83	106	129			66	77	100	123	146
60	19.6	66 x 51	19.3			55	67	92	118	143			73	86	110	136	161
66	23.8	73 x 55	23.2			60	74	101	129	157			80	94	121	149	177
72	28.3	81 x 59	29.4			66	81	110	140	171			88	102	132	162	193
78	33.2	87 x 63	32.1			71	87	119	152	185			95	111	143	176	209
84	38.5	95 x 67	37.0			77	94	128	164	199			102	119	154	189	224
90	44.2	103 x 71	42.4			82	100	137	175	213			109	127	164	202	240
96	50.3	112 x 75	48.0			87	107	147	188	228			116	136	176	217	257
102	56.7	117 x 79	54.2			93	114	155	198	241			124	145	186	229	272
108	63.6	128 x 83	60.5			98	120	165	211	256			131	153	198	244	289
114	70.9	137 x 87	67.4			104	127	174	222	271			139	162	209	257	306
120	78.5	142 x 91	74.5			109	134	183	234	284			146	171	220	271	321
126	86.6	--	--			--	142	195	247	301			--	180	233	285	339
132	95.0	--	--			--	148	204	259	315			--	188	244	299	355
138	103.9	--	--			--	154	213	270	328			--	196	255	312	370
144	113.1	--	--			--	--	223	282	344			--	--	267	326	388

\* 5" x 1" CORRUGATED PIPE WEIGHS APPROXIMATELY 12% LESS THAN 3" x 1" CORRUGATED PIPE.