

Standard Sizes, End Areas & Handling Weights for CSP

(Blank spaces indicate that CSP is not normal industry inventory or practice, in most cases it can be supplied on special order)

Pipe Diam. Inches	End Area Sq. Ft.	Equivalent Pipe-Arch		Handling Weight & Availability ZINC-COATED CSP		Handling Weight & Availability ASPHALT-COATED		Handling Weight & Availability ASPHALT-COATED PAVED INVERT	
		Span & Rise Inches	End Area Sq. Ft.	Pounds per lineal foot		Pounds per lineal foot		Pounds per lineal foot	
A. CORRUGATION PROFILE 1½" X ¼" (HELICAL CSP ONLY)									
				THICKNESS (Inches)		THICKNESS (Inches)		THICKNESS (Inches)	
				0.052	0.064	0.052	0.064	0.052	0.064
6	0.2	—	—	3.9	4.8	4.9	5.9	—	—
8	0.4	—	—	5.2	6.3	6.5	7.6	—	—
10	0.6	—	—	6.5	7.7	8.1	9.3	—	—
12	0.8	—	—	7.6	9.4	9.6	11.4	11.1	12.9
15	1.2	—	—	9.5	11.7	11.9	14.1	13.8	16.0
18	1.8	—	—	11.4	14.0	14.3	16.9	16.5	19.1

NOTE: Perforated sub-drains will weigh slightly less.

B. CORRUGATION PROFILE 2 2/3" X 1/2" (HELICAL & RIVETED CSP)																					
Pipe Diam. In.	End Area Sq. Ft.	Equivalent Pipe-Arch		THICKNESS (Inches)					THICKNESS (Inches)					THICKNESS (Inches)							
		Span & Rise Ft.	End Area Sq. Ft.	.052	.064	.079	.109	.138	.168	.052	.064	.079	.109	.138	.168	.052	.064	.079	.109	.138	.168
12	0.8			9	11	13	—	—	—	11	13	15	—	—	—	14	16	18	—	—	—
15	1.2	17 x 13	1.1	11	13	16	—	—	—	14	16	19	—	—	—	17	19	22	—	—	—
18	1.8	21 x 15	1.6	12	15	19	26	—	—	16	19	23	30	—	—	20	23	27	34	—	—
21	2.4	24 x 18	2.2	15	18	22	31	—	—	18	21	25	34	—	—	23	26	30	38	—	—
24	3.1	28 x 20	2.9	16	20	25	34	—	—	20	24	29	38	—	—	26	30	35	44	—	—
30	4.9	35 x 24	4.5	20	24	30	41	—	—	26	30	36	47	—	—	32	36	42	53	—	—
36	7.1	42 x 29	6.5	24	29	36	49	62	—	31	36	43	56	69	—	39	44	51	64	77	—
42	9.6	49 x 33	8.9	28	34	42	57	72	—	36	42	50	65	80	—	35	51	59	74	89	—
48	12.6	57 x 38	11.6	31	38	48	65	82	100	41	48	58	75	92	110	50	57	67	84	101	119
54	15.9	64 x 43	14.7	—	—	54	73	92	112	—	—	65	84	103	123	—	—	76	95	114	134
60	19.6	71 x 47	18.1	—	—	60	81	103	124	—	—	71	92	114	135	—	—	85	106	128	149
66	23.8	77 x 52	21.9	—	—	65	89	113	137	—	—	77	101	125	149	—	—	93	117	141	165
72	28.3	83 x 57	26.0	—	—	—	98	123	149	—	—	—	112	137	163	—	—	—	129	154	180
78	33.2	—	—	—	—	—	105	133	161	—	—	—	121	145	177	—	—	—	138	166	194
84	38.5	—	—	—	—	—	—	144	173	—	—	—	—	161	190	—	—	—	—	179	208
90	44.2	—	—	—	—	—	—	154	186	—	—	—	—	172	204	—	—	—	—	192	224
96	50.3	—	—	—	—	—	—	—	198	—	—	—	—	—	217	—	—	—	—	—	239

NOTE: The weights in these tables are based on helical lock-seam fabrication, and are approximate. Riveted CSP will weigh slightly more.

C. CORRUGATION PROFILE 3" x 1" or 5" x 1" (HELICAL & RIVETED CSP)																		
Pipe Diam. Inches	End Area Sq. Ft.	Equivalent Pipe-Arch		THICKNESS (Inches)					THICKNESS (Inches)					THICKNESS (Inches)				
		Span & Rise Inches	End Area Sq. Ft.	0.064	0.079	0.109	0.138	0.168	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	84	95	118	140	163
60	19.6	66 x 51	19.3	55	67	92	118	143	73	86	110	136	161	93	105	130	156	181
66	23.8	73 x 55	23.2	60	74	101	129	157	80	94	121	149	177	102	116	143	171	199
72	28.3	81 x 59	29.4	66	81	110	140	171	88	102	132	162	193	111	126	156	186	217
78	33.2	87 x 63	32.1	71	87	119	152	185	95	111	143	176	209	121	137	169	202	235
84	38.5	95 x 67	37.0	77	94	128	164	199	102	119	154	189	224	130	147	182	217	253
90	44.2	103 x 71	42.4	82	100	137	175	213	109	127	164	202	240	140	158	195	233	271
96	50.3	112 x 75	48.0	87	107	147	188	228	116	136	176	217	257	149	169	209	250	290
102	56.7	117 x 79	54.2	93	114	155	198	241	124	145	186	229	272	158	179	220	263	306
108	63.6	128 x 83	60.5	98	120	165	211	256	131	153	198	244	289	166	188	233	279	324
114	70.9	137 x 87	67.4	104	127	174	222	271	139	162	209	257	306	176	199	246	294	343
120	78.5	142 x 91	74.5	109	134	183	234	284	146	171	220	271	321	183	210	259	310	360
126	86.6	—	—	—	142	195	247	301	—	180	233	285	339	—	221	274	326	380
132	95.0	—	—	—	148	204	259	315	—	188	244	299	355	—	231	287	342	398
138	103.9	—	—	—	154	213	270	328	—	196	255	312	370	—	241	300	357	415
144	113.1	—	—	—	—	223	282	344	—	—	267	326	388	—	—	314	373	435

*5" x 1" weighs approximately 12% less than 3" x 1"