



*QUALITY PRODUCTS...UNEQUALLED SERVICE*

## **CORRUGATED ALUMINUM PIPE HEIGHT OF COVER LIMITS**

### **HEIGHT OF COVER LIMITS AND HANDLING WEIGHTS FOR:**

CORRUGATED ALUMINUM ALLOY PIPE

ROUND AND ARCHED PROFILES

STANDARD AND 3X1 CORRUGATIONS

HS-20 LOADS

**Corrugated Aluminum Pipe Handling Weights & Cover Requirements For Standard & 3x1 Corrugations/ Round Profile**

Corrugation		Weight (Lbs/Lineal Ft.)				Minimum Cover (Ft)		Maximum Cover (Ft.)			
Standard	3x1	Gauge				H-20 Live Load	Construction Vehicle	Gauge			
		16	14	12	10			16	14	12	10
12		3.2	4.0	5.5		1.0	2.0	113	142	200	
15		3.9	4.9	6.8		1.0	2.0	94	118	166	
18		4.7	5.9	8.1		1.0	2.0	75	94	133	
21		5.4	6.8	9.4		1.0	2.0	65	82	116	
24		6.2	7.8	10.7	13.8	1.0	2.0	56	71	99	128
30	30	7.8 8.9	9.6 11.2	13.4 15.5	17.1 19.9	1.0 1.0	2.0 2.0	45 52	56 65	79 91	102 118
36	36	10.7	11.5 13.4	16.0 18.5	20.5 23.7	1.0 1.0	2.0 2.0	43	47 54	66 76	85 98
42	42	12.4	15.5	18.6 21.5	23.8 27.5	1.0 1.0	2.0 2.5	36	46	56 65	73 84
48	48	14.1	17.7	21.2 24.5	27.2 31.4	1.0 1.0	2.0 2.5	32	40	49 57	63 73
54	54	15.8	19.9	23.8 27.5	30.5 35.2	1.0 1.0	2.0 3.0	28	35	43 50	56 65
60	60	17.6	22.0	30.5	33.9 39.0	1.0 1.0	2.0 3.0	25	32	45	50 58
66	66	19.3	24.2	33.5	37.2 42.9	1.0 1.0	2.0 4.0	19	24	35	46 46
	72		26.3	36.5	46.7	1.5	3.0		26	37	48
	78		28.5	39.5	50.5	1.5	3.0		24	34	44
	84		30.7	42.5	54.3	1.5	3.5		22	31	41
	90			45.4	58.2	1.5	3.5			29	38
	96			48.4	62.0	1.5	3.0			27	36
	102			51.4	65.8	2.0	3.5			25	33
	108			54.4	69.7	2.0	3.5			24	31
	114			57.4	73.5	2.0	4.0			22	29
	120			60.4	77.3	2.0	4.0			21	28

**Aluminum Arch Profile Standard Corrugation**

Round Equilant	Span x Rise (inches)	Minimum Cover (Ft)		Minimum Material Gage	Maximum Cover (Ft)
		HS 20	Const. Vehicle		
15	17 x 13	1	2	16	15
18	21 x 15	1	2	16	15
21	24 x 18	1	2	16	14
24	28 x 20	1	2	14	14
30	35 x 24	1	2	14	13
36	42 x 29	1	2	12	13
42	49 x 33	1	2.5	12	12
48	57 x 38	1	3	10	12
54	64 x 43	1	3	10	11

**Aluminum Arch Profile 3x1 Corrugation**

Round Equilant	Span x Rise (Inches)	Minimum Cover (Ft)		Minimum Material Gage	Maximum Cover(Ft)
		HS 20	Const. Vehicle		
54	60 x 46	1.00	2.50	14	29
60	66 x 51	1.00	2.50	14	25
66	73 x 55	1.25	3.00	14	22
72	81 x 59	1.50	3.00	12	29
78	87 x 63	1.50	3.00	12	26
84	95 x 67	1.50	3.50	12	24
90	103 x 71	1.75	3.50	10	34
96	112 x 75	2.00	3.50	10	31