



Table HC-8 Height-of-Cover Limits for Corrugated Steel Pipe-Arch
 $2\frac{2}{3} \times \frac{1}{2}$ in. Corrugation H20 or H25 LIVE LOAD

Span & Rise (inches)	Minimum Specified Thickness Required (inch)	Maximum Cover (feet) Over Pipe-Arch for Soil Corner Bearing Capacity of 2 tons/ft ²	Minimum* Cover (inches)
17 x 13	0.064	16	12
21 x 15	0.064	15	
24 x 18	0.064	15	
28 x 20	0.064	15	
35 x 24	0.064	15	
42 x 29	0.064	15	
49 x 33	0.079	15	
57 x 38	0.109	15	
64 x 43	0.109	15	
71 x 47	0.138	15	
77 x 52	0.168	15	12
83 x 57	0.168	15	

Notes: 1. Soil bearing capacity refers to the soil in the region of the pipe corners. See Chapter 5 for design of pipe envelope at pipe corners. The remaining backfill around the pipe-arch must be compacted to a specified AASHTO T-99 density of 90%.

2. Use reasonable care in handling and installation.

* Minimum covers are for H20 and H25 loads. See Table 4.6 (page 283) for heavy construction load requirements. Minimum covers are measured from top of pipe to bottom of flexible pavement or top of pipe to top of rigid pavement. Minimum cover must be maintained in unpaved traffic areas.

Table HC-9 Height-of-Cover Limits for Steel Spiral Rib Pipe-Arch
 $\frac{3}{4} \times \frac{3}{4} \times 7\frac{1}{2}$ in. and $\frac{3}{4} \times 1 \times 11\frac{1}{2}$ in. Configurations
H20 or H25 LIVE LOAD

Span & Rise (inches)	Minimum Specified Thickness Required (inches)	Minimum Cover (inches)	Maximum Cover (ft) over Pipe Arch for a Soil Corner Bearing Capacity of 2 tons/ft ²
20 x 16	0.064	12	13
23 x 19	0.064	12	14
27 x 21	0.064	12	13
33 x 26	0.064	12	13
40 x 31	0.064	12	13
46 x 36	0.064	12	14
53 x 41	0.064	18	(13)
60 x 46	0.079	18	20
66 x 51	0.079	18	(21)
73 x 55	0.109	18	21
81 x 59	0.109	18	(17)
87 x 63	0.109	18	(17)
95 x 67	0.109	18	[17]

Note:

1. Soil bearing capacity refers to the soil in the region of the pipe corners. See Chapter 5.
2. Minimum covers are for H20 and H25 loads. See Table 4.6 (page 283) for heavy construction load requirements. Minimum covers are measured from top of pipe to bottom of flexible pavement or top of pipe to top of rigid pavement. Minimum cover must be maintained in unpaved traffic areas.
3. TYPE 1 installations are allowed unless otherwise shown.
4. () Requires TYPE II installation
5. [] Requires TYPE III installation