

ALUMINUM SPIRAL RIB PIPE 3/4" WIDE x 3/4" DEEP RIBS SPACED @ 7/2"

| PIPE DIAMETER (IN.) | AREA (SQ. FT.) | MAXIMUM HEIGHT OF COVER LIMITS IN FEET | | | | | | | | MINIMUM SHEET THICKNESS FOR ENTRANCES WITH LESS THAN 1 FOOT COVER |
|---------------------|----------------|--|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---|
| | | SHEET THICKNESS IN INCHES (GAUGE) | | | | | | | | |
| | | .064 (16) | | .079 (14) | | .109 (12) | | .135 (10) | | |
| | | CIRCULAR | ELONGATED | CIRCULAR | ELONGATED | CIRCULAR | ELONGATED | CIRCULAR | ELONGATED | |
| 12 | 0.8 | 76 | 152 | 95 | | 136 | | | | .060 |
| 15 | 1.2 | 47 | 94 | 57 | 114 | 78 | | 100 | | .105 |
| 18 | 1.8 | 34 | 69 | 40 | 80 | 52 | 105 | 65 | 130 | .135 |
| 21 | 2.4 | 28 | 56 | 31 | 63 | 39 | 78 | 47 | 94 | |
| 24 | 3.1 | 24 | 49 | 26 | 53 | 32 | 64 | 37 | 74 | |
| 27 | 4.0 | 22 | 44 | 24 | 48 | 27 | 55 | 31 | 62 | |
| 30 | 4.9 | 20 | 41 | 22 | 44 | 24 | 49 | 27 | 54 | |
| 36 | 7.1 | 19 | 38 | 20 | 40 | 21 | 42 | 23 | 46 | |
| 42 | 9.6 | 18 | 36 | 18 | 37 | 19 | 39 | 20 | 41 | |
| 48 | 12.6 | | | 18 | 36 | 18 | 37 | 19 | 39 | |
| 54 | 16.0 | | | | | 18 | 36 | 18 | 37 | |
| 60 | 19.6 | | | | | 18 | 36 | 18 | 36 | |
| 66 | 23.8 | | | | | | | 18 | 36 | |
| 72 | 28.3 | | | | | | | 17 | | |

Notes:

Cover heights indicated in tables are for finished construction.

To protect pipe during construction, minimum height of cover to be as follows prior to allowing construction traffic to cross installation.

| Pipe Diameter | Min. Cover Height * During Construction |
|---------------|---|
| 12" to 24" | 1'-6" |
| 30" and over | Equal to Diameter |

Minimum finished height of cover to be $\frac{Dia.}{4}$ or 1'-0", whichever is

greater, except pipe under entrances and median crossovers where a 9" minimum will be permitted for pipe up to 18" diameter in which case the tabulated minimum sheet thickness for entrances with less than 1 ft. cover shall be used.

* The cover shall extend the full length of the pipe culvert. The approach fill ramp is to extend a minimum of (20)Diam. on each side of the culvert, or to the intersection with a cut.

For details of elongated pipe see sheet 17 of 17.

The allowable cover tables shown are based on a soil modulus of 700 PSI. All other design criteria are in accordance with the AASHTO Specifications and VDOT Modifications for Soil Corrugated Metal Structure Interaction Systems.

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| SPECIFICATION REFERENCE |
| 232 302 |

ALUMINUM SPIRAL RIB PIPE
HEIGHT OF COVER TABLE FOR H-20 LIVE LOAD

VIRGINIA DEPARTMENT OF TRANSPORTATION