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Dual wall round duct will be constructed of perforated or solid inner liner, a 1-inch (unless otherwise specified) layer of fiberglass insulation, and an outer pressure shell. Duct will be spiral lockseam construction provided in standard 10 foot lengths. It will be fabricated from galvanized steel meeting ASTM-A527 standards, and in accordance with the following guidelines :

Inner Diameter	Outer Shell Min. Gauge	Inner Gauge	Fitting
(inches)	(2-10+ inches WG)		Gauge
3-8	26	26	24
9-12	26	26	24
13-24	24	22	22
25-34	22	22	20
36-48	20	22	20
49-60	18	22	18
62-82	18	22	16

For 1-inch insulation, the outer shell will be 2 inches larger than the inner liner nominal dimension. When a perforated liner is specified, perforations will be 3/32 inch in diameter on 3/16" staggered centers, with an overall open area of 23 percent. Insulated duct will have a maximum thermal conductivity (k) factor of .27 Btu per hour per square foot per degree Fahrenheit per inch thickness at 75 degree Fahrenheit mean ambient temperature. All inner wall for fittings will be solid material, not perforated. (unless otherwise specified).

Internal liner will be tack welded only. All exterior seams will be welded solid. In exposed applications, if specified, all external metal will be Galvanealled (paintable).

As standard, all joints will be slip connection. Only straight duct will have perforated inner liner, all fittings will have a solid inner wall. The perforated liner on the pipe will be the same length as the external metal wall. On the fittings, the inner liner will be three inches longer than the outer metal wall. All fittings will be made to slip inside the round pipe. For pipe to pipe connections, inner couplings are required. The inner wall coupling will be solid metal, not perforated. If other joints are required, please contact our office. For information on Accuflange, Spiralmate or Angle rings, please visit our website at www.wmhbrady.com.



