



SPIRAL DUCT SMACNA GAUGES

SPIRAL LOCK SEAM – GALVANIZED

| 1985 – 1995 – 2005 SMACNA STANDARDS – TO +10 in WG | | | | | |
|--|-------|-----------|-------|-----------|-------|
| 1985 | | 1995 | | 2005 | |
| Dia. | Gauge | Dia. | Gauge | Dia. | Gauge |
| 3" – 14" | 26 | 3" – 10" | 28 | 3" – 14" | 28 |
| 16" – 26" | 24 | 12" – 14" | 26 | 16" – 26" | 26 |
| 28" – 36" | 22 | 16" – 26" | 24 | 28" – 42" | 24 |
| 38" – 50" | 20 | 28" – 36" | 22 | 44" – 60" | 22 |
| 52" – 60" | 18 | 38" – 50" | 20 | | |
| | | 52" – 60" | 18 | | |

Galvanized spiral duct is produced in G90 material– G90 coatings will last 50% longer than G60 coatings. G90 has 50 percent more corrosion-resistant zinc than G60. G90 has a zinc coating of 0.90 oz/ft² total coating - both sides). G90 galvanized metal requires minimal surface preparation because the smooth surface is typically more spangle-free and offers superior paint adhesion.

SMACNA - DUCT SEALING REQUIREMENTS

| Seal Class | Sealing Required | Static Pressure Construction Class |
|------------|---|------------------------------------|
| A | All transverse joints, Longitudinal seams and Duct wall penetration | 4" w.g. and up |
| B | All transverse joints And longitudinal seams | 3" w.g. |
| C | Transverse joints | 2" w.g. |

In addition to the above any variable air volume system duct of 1" and ½" w.g. construction class that is upstream of the VAV boxes shall also meet Seal Class C.

| DUCT CONSTRUCTION CLASS | LEAKAGE CLASS |
|-------------------------|---------------|
| 10" w.g. | 3 |
| 6" w.g. | 6 |
| 4" w.g. | 6 |
| 3" w.g. | 12 |

Leakage amount shall not exceed the allotted amount for the pressure class or the allotted amount for that portion of the system, whichever is applicable. Leakage test procedures shall follow the outlines and classification in the SMACNA HVAC Duct Leakage Test Manual.

Please review Peppertree literature on Round Duct Specifications, SMACNA Standards, Weight Tables and Leakage Classification