

ZEN Industries shop standards for rectangular duct

BASED ON 3rd Edition 2005 SMACNA STANDARDS

| MAX. WIDTH | CONNECTOR | DUCT LENGTHS | | | | |
|------------|-----------|-------------------|-------------------|-------------------|---------------|---------------|
| | | 60" | 48" | 36" | 30" | 24" |
| 10" - DOWN | ST-S/D | 26 | 26 | 26 | 26 | 26 |
| 11 - 12" | ST-S/D | 26 | 26 | 26 | 26 | 26 |
| 13 - 14" | TDF | 24 | 26 | 26 | 26 | 26 |
| 15 - 16" | TDF | 24 | 26 | 26 | 26 | 26 |
| 17 - 18" | TDF | 24 | 24 | 26 | 26 | 26 |
| 19 - 20" | TDF | 24 | 24 | 26 | 26 | 26 |
| 21 - 22" | TDF | 24 | 24 | 26 | 26 | 26 |
| 23 - 24" | TDF | 22 | 24 | 24 | 26 | 26 |
| 25 - 26" | TDF | 22 | 22 | 24 | 24 | 26 |
| 27 - 28" | TDF | 22 | 22 | 24 | 24 | 26 |
| 29 - 30" | TDF | 20 | 22 | 24 | 24 | 24 |
| 31 - 36" | TDF | 22 MPT | 24 MPT | 22 | 24 | 24 |
| 37 - 42" | TDF | 20 MPT | 22 MPT | 20 | 20 | 22 |
| 43 - 48" | TDF | 20 MPT/JTR | 20 MPT | 20 MPT | 20 MPT | 20 |
| 49 - 54" | TDF | 20 MPT/JTR | 20 MPT/JTR | 20 MPT | 20 MPT | 20 MPT |
| 55 - 60" | TDF | 20 MPT/JTR | 20 MPT/JTR | 20 MPT | 20 MPT | 20 MPT |
| 61 - 72" | TDF | 20 2MPT/JTR | 20 MPT/JTR | 18 JTR | 18 MPT | 20 MPT |
| 73 - 84" | TDF | 18 2MPT/JTR | 18 MPT/JTR | 18 JTR | JTR | 20 JTR |
| 85 - 96" | TDF | 18 2MPT/JTR | 18 2MPT/JTR | 18 JTR | JTR | 20 JTR |
| 97 - 108" | WARD "J" | 18 MPT/JTR | 18 MPT/JTR | 18 MPT/JTR | 18JTR | 18 JTR |
| 109 - 120" | WARD "J" | 18 MPT/JTR | 18 MPT/JTR | 18 MPT/JTR | 18 JTR | 18 JTR |

Zen Industries Standards based on the latest SMACNA standards:

| | | | |
|--------------------------------------|--|---|---------------------------------------|
| galvanized sheets | 26 & 24 ga | G-60 LFQ | all duct 12" and above will be beaded |
| 1/2"wg. to 2"w.g | snaplock seam | (pittsburg available at an additional cost) | |
| 3"wg up to 48"wide | snaplock seam | (duct over 48" wide-pittsburg) | |
| 4"wg to 10"wg | pittsburg seam | | |
| fittings - assembled | straight duct - unassembled | (assembly available at an additional cost) | |
| duct sections width + height | up to 18" | wrapped | |
| | up to 70" | "L" shaped | |
| | 71" & up | 4 pc. | |
| FS/D = flat slip(24ga) & drive(24ga) | ST-S/D = standing slip(22ga) & drive | TDF =T-25b roll formed flange | |
| MPT= midpoint tie-rod | JTR= joint tie-rods | | |
| 2x2x1/8" angle = | midpoint reinforcement in lieu of tie-rods | Duct liner available 1/2" or 1" | |

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