



## ZEN Industries shop standards for rectangular duct

BASED ON 3<sup>rd</sup> Edition 2005 SMACNA STANDARDS

### TDF - 10" W.G.

MAX. WIDTH	CONNECTOR	DUCT LENGTHS				
		60"	48"	36"	30"	24"
8" - DOWN	ST-S/D	24	26	26	26	26
<b>9 - 10"</b>	<b>ST-S/D</b>	<b>22</b>	<b>24</b>			
11 - 12"	ST-S/D	22	24	26	26	26
13 - 14"	TDF	20	22	24	26	26
15 - 16"	TDF	20	20	24	24	26
17 - 18"	TDF	20	20	24	24	26
19 - 20"	TDF	18	20	22	24	26
21 - 22"	TDF	18	20	22	22	24
23 - 24"	TDF	18	20 JTR	20	22	22
25 - 26"	TDF	18	20 JTR	20	22	22
27 - 28"	TDF	<b>18 JTR</b>	20 JTR	20 JTR	20	22
29 - 30"	TDF	18 JTR	18 JTR	20 JTR	20 JTR	20
31 - 36"	<b>WARD J</b>	<b>20 MPT</b>	<b>18</b>	<b>20</b>	<b>22</b>	<b>22</b>
37 - 42"	<b>WARD J</b>	<b>20 MPT</b>	<b>18</b>	<b>18</b>	<b>20</b>	<b>22</b>
43 - 48"	<b>WARD J</b>	<b>18 MPT</b>	<b>22 JTR</b>	<b>18 JTR</b>	<b>18</b>	<b>22</b>
49 - 54"	<b>WARD J</b>	<b>18 MPT/JTR</b>	<b>20 MPT/JTR</b>	<b>18 JTR</b>	<b>18</b>	<b>20</b>
55 - 60"	<b>WARD J</b>	<b>18 MPT/JTR</b>	<b>20 MPT/JTR</b>	<b>18 JTR</b>	<b>18 JTR</b>	<b>20</b>
61 - 72"	<b>WARD J</b>	<b>18 MPT/JTR</b>	<b>18 MPT/JTR</b>	<b>18 MPT/JTR</b>	<b>16 JTR</b>	<b>18 JTR</b>
73 - 84"	<b>WARD J</b>	<b>16 MPT/JTR</b>	<b>18 MPT/JTR</b>	<b>18 MPT/JTR</b>	<b>16 JTR</b>	<b>18 JTR</b>
<b>85 - 96"</b>	<b>WARD J</b>		<b>16 MPT/JTR</b>	<b>16 MPT/JTR</b>	<b>16 JTR</b>	<b>16 JTR</b>
<b>97 - 108"</b>	<b>WARD J</b>		<b>16 MPT/JTR</b>	<b>16 MPT/JTR</b>	<b>MPT/JTR</b>	<b>16 JTR</b>
<b>109 - 120"</b>	<b>WARD J</b>		<b>16 2MPT/2JTR</b>	<b>2MPT/2JTR</b>	<b>MPT/JTR</b>	<b>16 JTR</b>

Zen Industries Standards based on the latest SMACNA standards:

galvanized sheets	26 & 24 ga	G-60 LFQ	22 to 18ga	G-90 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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