

TECHNICAL DATA SHEET

Zero Clearance Rectangular Grease Duct

DWGD-RZ



PRODUCT LINE

DWGD-RZ – Zero Clearance Rectangular Grease Duct

PURPOSE

- Provides 2-hour fire resistive shaft and zero clearance duct in a rectangular assembly
- Factory-built duct eliminates welding in the field
- Factory-built assurance of the finest quality and reliability
- Factory-insulated allows for single trade installation
- Rectangular configuration allows for alternative use of space in certain restrictive conditions
- May be intermixed with Jeremias's round models (KL, FL, or CK) or rectangular Model SWGD-R

APPLICATIONS

- Stainless steel, factory-insulated, zero clearance, and fire resistive duct assembly for Kitchen Ventilation Systems

UL AND ULC LISTINGS

1. UL-2221 (ULC S144) Standard for Fire Resistive Grease Duct Enclosure Assemblies
2. UL-1978 (ULC-S662) Standard for Factory-Built Grease Ducts



MATERIALS

- Inner liner made of 0.035" stainless steel
- 3" of ceramic fiber insulation between inner liner and outer jacket
- Outer jacket choices of stainless steel or aluminized steel
 - Dimensions of all sides totaling 24" or less = 0.025" thick
 - Dimensions of all sides totaling 26" or more = 0.035" thick

CONNECTION/INSTALLATION DETAILS

- Inner connection is a flange-to-flange bolted connection
- Supplied sealant is used on the flange to create a seal
- Blanket insulation and outer band complete the joint assembly
- Rectangular grease duct must be installed with a slope of $\frac{1}{8}$ " per foot of horizontal run if the length of the run is 75' or less. If the length of the horizontal run exceeds 75', it must be installed at a slope of $\frac{1}{2}$ "

FEATURES

- Extremely rigid inner is made of all-stainless steel with Limited 10-Year Warranty
- Liquid tight joints
- Smooth flow and known resistance for accurate pressure calculations
- Zero-clearance and 2-hour fire resistive to eliminate the requirement for an additional fire-rated shaft



TECHNICAL DATA SHEET

Zero Clearance Rectangular Grease Duct



DWGD-RZ



PRODUCT LINE

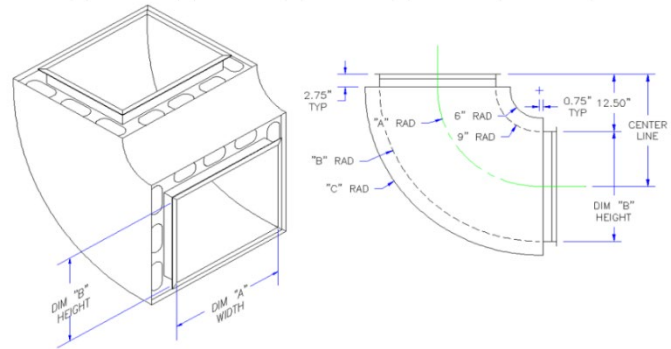
DWGD-RZ – Zero Clearance Rectangular Grease Duct

SPECIFICATIONS

Rectangular Widths/Heights	6", 8", 10", 12", 14", 16", 18", 20", 22", 24", 26", 28", 30", 32", 34", 36", 38", 40", 42", 44", 46", & 48" *See permissible dimensions below
Available Lengths	Standard sizes are 18", 30", & 42" (or custom lengths)
Available Fittings	15°, 30°, & 45° elbows, 45° or 90° tees, wyes, fan and hood adapters, supports, wall brackets, flow and wall through penetrations, nozzle attachment fittings, access doors and panels, rectangular to round fittings and attachments
Available Accessories	All supports, guides, hangers, and adapters

CONTROLLING DIMENSIONS

- 3" thick ceramic fiber
- 6" radius inside of elbows, then 3.5" to flange
- 7" from inside gore to flange on tees



PERMITTABLE DIMENSIONS

Model DWGD-RZ Grease Duct is available in either square or rectangular configurations. The maximum allowable width to height ratio is 6 to 1, for instance 36" x 6". Square duct is available in sizes from 6" x 6" to 36" x 36". Rectangular duct is available in sizes from 6" x 8" to 27" x 48".

The chart below shows the weight and capacity of common duct sizes.

*Any combination of width and height from 6" to 48" is available provided the net inside area does not exceed 1296 square inches.

Approx. CFM	Size (inch)		Weight LB/FT	Approx. CFM	Size (inch)		Weight LB/FT	Approx. CFM	Size (inch)		Weight LB/FT
	Width	Height			Width	Height			Width	Height	
700	6	10	22	3800	34	10	54	7600	38	18	67
900	8	10	24	4000	36	10	56	8000	40	18	69
1100	10	10	26	4200	38	10	59	8400	42	18	71
1300	12	10	28	4400	40	10	61	8900	40	20	71
1600	14	10	30	4700	30	14	52	9300	42	20	73
1800	16	10	32	5000	32	14	56	9800	44	20	76
2000	18	10	34	5300	34	14	59	10300	42	22	76
2200	20	10	36	5600	36	14	61	10800	44	22	78
2400	22	10	38	5900	38	14	63	11200	46	22	80
2700	24	10	40	6200	40	14	65	11700	48	22	82
2900	26	10	42	6400	36	16	63	12300	46	24	82
3100	28	10	44	6800	38	16	65	12800	48	24	84
3300	30	10	46	7100	40	16	67	13300	46	26	84
3600	32	10	52	7500	42	16	69	14400	48	27	87

Capacity (CFM) is approximate, based on a velocity of 1600 F/Min. Additional sizes not shown above are available. Size range from 6" x 6" to 48" x 27". Contact factory for additional information. Weights are approximate assembled pounds per linear foot.

