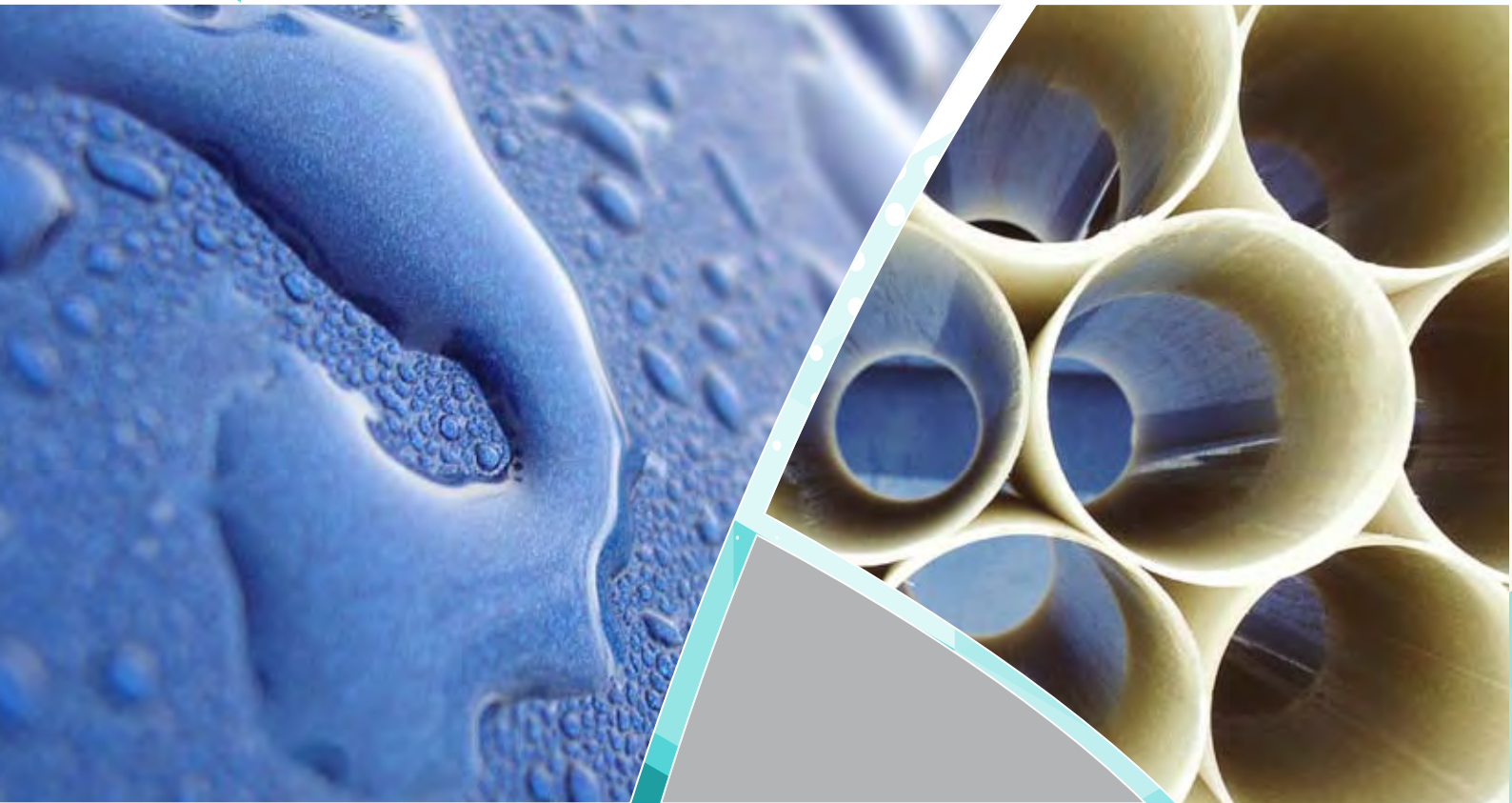


DORADUCTTM

FRP/GRP AirDuct and Damper

玻璃纖維喉管



A manufacturer of quality fiberglass manufacturer since 1983, Yeungs has leading product and industry experience you can solidly depend on.

Engineers, architects, contractors and remodelers have trusted and specified DURADUCT for years and our reputation keeps earning us valuable customers like you.

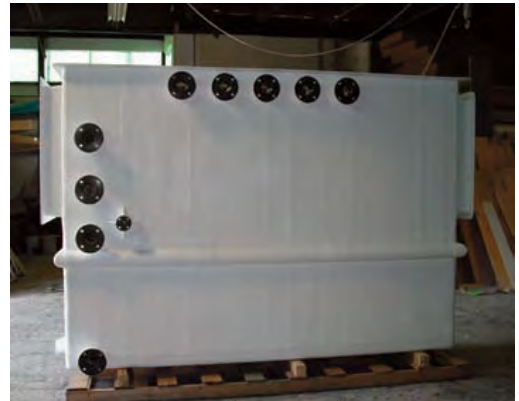
OVERVIEW

Corrosion Composites, by DuraDuct(R), is a source for corrosion resistant fiberglass fabrication services.

Fiberglass laminated composites are light-weight, high strength, non conductive, and corrosion resistant. DuraDuct assists with design, engineering, drawing, manufacturing, inspection, and installation DuraDuct(R) brings together years of fiberglass experience and manufacturing expertise. For many industrial, water, and wastewater applications where corrosion is a problem, fiberglass is the material of choice.



- Baffles
- Weirs
- Trenches
- Ladders
- Platforms
- Pressure Vessels
- And More!



Typical products are: prefabricated duct, stacks, roof curb covers, hoods, pans, ladders, platforms, tanks, covers, and domes.

PRODUCTS

For industry, water, wastewater, and infrastructure:

- Duct
- Stacks
- Tanks
- Scrubbers
- Flumes
- Hoods
- Dampers
- Manholes
- Troughs
- Tank Covers
- Stack Liners

DURABILITY

DuraDuct(R)'s Corrosion Composites provide excellent resistance to corrosion and offer a very long service life. Laminates are designed for wind, seismic, snow, pressure, vacuum, and temperature.



STANDARDS

Corrosion Composites adhere to BS, ASTM, and other industry standards.



EXPERIENCED TEAM

DuraDuct(R)'s design team includes engineering, layout, and custom solutions. This coupled with manufacturing sources featuring over 40 years of experience, a 70,000-sq. ft. facility, and state of the art equipment makes DuraDuct(R) an excellent source for GRP products.



FRP DUCT SPECIFICATIONS

Fiberglass reinforced plastic (FRP) is the most widely used duct material for corrosive and toxic fumes. FRP duct provides an economical solution to your ventilation system.

YEUNG'S FIBERGLASS COMPANY manufactures the following standard round duct and fittings sized in accordance with the ASTM D 3982-92, Standard Specification for Contact Molded Fiberglass Duct and Hoods (replaces NBS Voluntary Product Standard PS 15-69).

In addition to our standard polyester fire-retardant resin systems, **YEUNG'S FIBERGLASS** can incorporate resin systems to meet other conditions, such as, ICBO-equivalent requirements with a flame spread of 25 and an exterior smoke development rating of 50, or engineered systems requiring special thickness, coatings and materials.

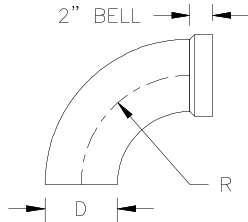
DUCT CHART

ACS PART NO.	I.D. DIA. (D)	DUCT LENGTH (L)	WALL THICKNESS (T)	APPROX. GLASS WT. (LBS.)	ALLOWABLE VACUUM OF WATER	ALLOWABLE PRESSURE OF WATER	DUCT SUPPORT SPACING	BONDING MATERIAL PER JOINT	NO. OF WRAPS
D04	4"	20'	1/8"	1.10	434	1558	10.0'	1.70 lbs.	3
D06	6"	20'	1/8"	1.65	129	1039	10.5	2.30 lbs.	3
D08	8"	20'	1/8"	2.20	54	779	11.0	2.85 lbs.	3
D10	10"	20'	1/8"	2.75	28	623	11.5	3.45 lbs.	3
D12	12"	20'	1/8"	3.30	19	519	11.5	4.00 lbs.	3
D14	14"	20'	1/8"	3.85	15	445	12.0	4.60 lbs.	3
D16	16"	20'	1/8"	4.40	12	390	12.5	5.15 lbs.	3
D18	18"	20'	1/8"	4.95	10	346	12.5	5.75 lbs.	3
D20	20"	20'	1/8"	5.50	9	312	13.0	6.30 lbs.	3
*D22	22"	10'	1/8"	6.05	8	283	14.0	2.88 lbs.	3
D24	24"	20'	3/16"	9.90	18	390	15.0	7.45 lbs.	4
*D26	26"	10'	3/16"	10.72	16	360	15.0	5.5 lbs.	4
*D28	28"	10'	3/16"	11.55	14	334	15.0	5.5 lbs.	4
D30	30"	10'	3/16"	12.37	13	312	15.5	9.20 lbs.	4
*D32	32"	10'	3/16"	13.20	12	292	15.5	6.29 lbs.	4
*D34	34"	10'	3/16"	14.02	11	275	15.5	6.68 lbs.	4
D36	36"	10'	3/16"	14.85	10	260	16.0	10.90 lbs.	3
*D38	38"	10'	1/4"	20.89	21	437	16.5	9.95 lbs.	6
*D40	40"	10'	1/4"	21.99	20	416	18.0	10.48 lbs.	6
D42	42"	10'	1/4"	23.09	18	396	19.0	16.80 lbs.	4
*D44	44"	10'	1/4"	24.19	17	378	19.0	12.05 lbs.	6
*D46	46"	10'	1/4"	25.29	16	361	19.0	12.05 lbs.	6
D48	48"	10'	1/4"	26.39	15	346	19.5	19.10 lbs.	4
*D50	50"	10'	1/4"	27.49	14	332	19.5	13.09 lbs.	6
*D52	52"	10'	1/4"	28.59	13	320	19.5	13.84 lbs.	6
D54	54"	10'	1/4"	29.69	13	308	20.0	21.40 lbs.	4
*D56	56"	10'	5/16"	30.79	23	417	20.0	18.34 lbs.	9
*D58	58"	10'	5/16"	31.89	22	403	20.0	18.99 lbs.	9
D60	60"	10'	5/16"	41.24	21	390	24.0	23.70 lbs.	9
D66	66"	10'	5/16"	45.36	18	354	25.0	26.07 lbs.	9
D72	72"	10'	5/16"	49.49	16	325	25.0	28.44 lbs.	9

* indicates non-standard size.

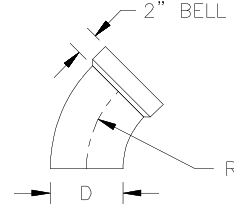
To order, specify the **ACS** part number (standard sizes). For duct not listed, contact **ACS** for availability.

1.5 X CENTERLINE 90° SWEEPS



ACS PART NO.	I.D. DIA.	CENTER- LINE RADIUS	WALL THICKNESS	GLASS WEIGHT (LBS.)
DE9004A	4"	6"	1/8"	0.87
DE9006A	6"	9"	1/8"	1.95
DE9008A	8"	12"	1/8"	3.47
DE9010A	10"	15"	1/8"	5.41
DE9012A	12"	18"	1/8"	7.80
DE9014A	14"	21"	1/8"	10.61
DE9016A	16"	24"	1/8"	13.86
DE9018A	18"	27"	1/8"	17.54
DE9020A	20"	30"	1/8"	21.66
*DE9022A	22"	33"	1/8"	26.21
DE9024A	24"	36"	3/16"	46.78
*DE9026A	26"	39"	3/16"	54.90
*DE9028A	28"	42"	3/16"	63.67
DE9030A	30"	45"	3/16"	73.09
*DE9032A	32"	48"	3/16"	83.16
*DE9034A	34"	51"	3/16"	93.88
DE9036A	36"	54"	3/16"	105.25
*DE9038A	38"	57"	1/4"	156.37
DE9040A	40"	60"	1/4"	173.26
DE9042A	42"	63"	1/4"	191.02
*DE9044A	44"	66"	1/4"	209.54
*DE9046A	46"	69"	1/4"	229.13
DE9048A	48"	72"	1/4"	249.49
*DE9050A	50"	75"	1/4"	270.72
*DE9052A	52"	78"	1/4"	292.81
DE9054A	54"	81"	1/4"	315.76
*DE9056A	56"	84"	1/4"	339.58
*DE9058A	58"	87"	1/4"	364.27
DE9060A	60"	90"	5/16"	487.29
*DE9066A	66"	99"	5/16"	589.62
*DE9072A	72"	108"	5/16"	701.69

1.5 X CENTERLINE 45° SWEEPS

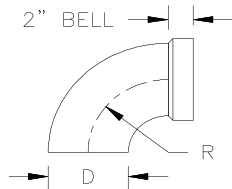


ACS PART NO.	I.D. DIA.	CENTER- LINE RADIUS	WALL THICKNESS	GLASS WEIGHT (LBS.)
DE4504A	4"	6"	1/8"	0.43
DE4506A	6"	9"	1/8"	0.97
DE4508A	8"	12"	1/8"	1.73
DE4510A	10"	15"	1/8"	2.71
DE4512A	12"	18"	1/8"	3.90
DE4514A	14"	21"	1/8"	5.31
DE4516A	16"	24"	1/8"	6.93
DE4518A	18"	27"	1/8"	8.77
DE4520A	20"	30"	1/8"	10.83
*DE4522A	22"	33"	1/8"	13.10
DE4524A	24"	36"	3/16"	23.39
*DE4526A	26"	39"	3/16"	27.45
*DE4528A	28"	42"	3/16"	31.84
DE4530A	30"	45"	3/16"	36.55
*DE4532A	32"	48"	3/16"	41.58
*DE4534A	34"	51"	3/16"	46.94
DE4536A	36"	54"	3/16"	52.63
*DE4538A	38"	57"	1/4"	78.18
DE4540A	40"	60"	1/4"	86.63
DE4542A	42"	63"	1/4"	95.51
*DE4544A	44"	66"	1/4"	104.82
*DE4546A	46"	69"	1/4"	114.57
DE4548A	48"	72"	1/4"	124.75
*DE4550A	50"	75"	1/4"	135.36
*DE4552A	52"	78"	1/4"	146.40
DE4554A	54"	81"	1/4"	157.88
*DE4556A	56"	84"	1/4"	169.79
*DE4558A	58"	87"	1/4"	182.14
DE4560A	60"	90"	5/16"	243.64
*DE4566A	66"	99"	5/16"	294.81
*DE4572A	72"	108"	5/16"	350.85

The table above is extrapolated in accordance with the ASTM D 3982-92, Standard Specifications for Contact-Molded Fiberglass Duct and Hoods (replaces NBS Voluntary Product Standard PS 15-69).

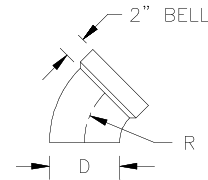
* Indicates non-standard size.

1 X CENTERLINE 90° SWEEPS



ACS PART NO.	I.D. DIA.	CENTER- LINE RADIUS	WALL THICKNESS	GLASS WEIGHT (LBS.)
DE9004B	4"	4"	1/8"	0.58
DE9006B	6"	6"	1/8"	1.30
DE9008B	8"	8"	1/8"	2.31
DE9010B	10"	10"	1/8"	3.61
DE9012B	12"	12"	1/8"	5.20
DE9014B	14"	14"	1/8"	7.07
DE9016B	16"	16"	1/8"	9.24
DE9018B	18"	18"	1/8"	11.69
DE9020B	20"	20"	1/8"	14.44
*DE9022B	22"	22"	1/8"	17.47
DE9024B	24"	24"	3/16"	31.19
*DE9026B	26"	26"	3/16"	36.60
*DE9028B	28"	28"	3/16"	42.45
DE9030B	30"	30"	3/16"	48.73
*DE9032B	32"	32"	3/16"	55.44
*DE9034B	34"	34"	3/16"	62.59
DE9036B	36"	36"	3/16"	70.17
*DE9038B	38"	38"	1/4"	104.24
DE9040B	40"	40"	1/4"	115.51
DE9042B	42"	42"	1/4"	127.34
*DE9044B	44"	44"	1/4"	139.76
*DE9046B	46"	46"	1/4"	152.76
DE9048B	48"	48"	1/4"	166.33
*DE9050B	50"	50"	1/4"	180.48
*DE9052B	52"	52"	1/4"	195.20
DE9054B	54"	54"	1/4"	210.51
*DE9056B	56"	56"	1/4"	226.39
*DE9058B	58"	58"	1/4"	242.85
DE9060B	60"	60"	5/16"	324.86
*DE9066B	66"	66"	5/16"	393.08
*DE9072B	72"	72"	5/16"	467.80

1 X CENTERLINE 45° SWEEPS

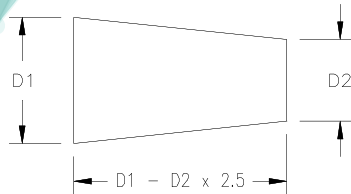


ACS PART NO.	I.D. DIA.	CENTER- LINE RADIUS	WALL THICKNESS	GLASS WEIGHT (LBS.)
DE4504B	4"	4"	1/8"	0.28
DE4506B	6"	6"	1/8"	0.62
DE4508B	8"	8"	1/8"	1.10
DE4510B	10"	10"	1/8"	1.72
DE4512B	12"	12"	1/8"	2.48
DE4514B	14"	14"	1/8"	3.37
DE4516B	16"	16"	1/8"	4.40
DE4518B	18"	18"	1/8"	5.57
DE4520B	20"	20"	1/8"	6.88
*DE4522B	22"	22"	1/8"	8.32
DE4524B	24"	24"	3/16"	14.85
*DE4526B	26"	26"	3/16"	17.43
*DE4528B	28"	28"	3/16"	20.21
DE4530B	30"	30"	3/16"	23.20
*DE4532B	32"	32"	3/16"	26.40
*DE4534B	34"	34"	3/16"	49.80
DE4536B	36"	36"	3/16"	33.41
*DE4538B	38"	38"	1/4"	49.64
DE4540B	40"	40"	1/4"	55.00
DE4542B	42"	42"	1/4"	60.64
*DE4544B	44"	44"	1/4"	66.55
*DE4546B	46"	46"	1/4"	72.74
DE4548B	48"	48"	1/4"	79.20
*DE4550B	50"	50"	1/4"	85.94
*DE4552B	52"	52"	1/4"	92.95
DE4554B	54"	54"	1/4"	100.24
*DE4556B	56"	56"	1/4"	107.80
*DE4558B	58"	58"	1/4"	115.64
DE4560B	60"	60"	5/16"	154.69
*DE4566B	66"	66"	5/16"	187.18
*DE4572B	72"	72"	5/16"	222.76

The table above is extrapolated in accordance with the ASTM D 3982-92, Standard Specifications for Contact-Molded Fiber-glass Duct and Hoods (replaces NBS Voluntary Product Standard PS 15-69).

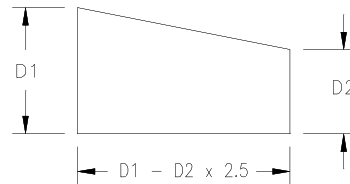
* Indicates non-standard size

CONCENTRIC REDUCERS



ACS PART NO.	D1	D2	WALL THICKNESS	LENGTH	APPROX. GLASS WT. (LBS.)
DRC06/04	6"	4"	1/8"	5"	0.55
DRC08/06	8"	6"	1/8"	5"	0.76
DRC10/08	10"	8"	1/8"	5"	0.98
DRC12/10	12"	10"	1/8"	5"	1.20
DRC14/12	14"	12"	1/8"	5"	1.42
DRC16/14	16"	14"	1/8"	5"	1.64
DRC18/16	18"	16"	1/8"	5"	1.85
DRC20/18	20"	18"	1/8"	5"	2.07
DRC22/20	22"	20"	1/8"	5"	2.29
DRC24/22	24"	22"	1/8"	5"	3.76
DRC26/24	26"	24"	3/16"	5"	4.09
DRC28/26	28"	26"	3/16"	5"	4.42
DRC30/28	30"	28"	3/16"	5"	4.74
DRC32/30	32"	30"	3/16"	5"	5.07
DRC34/32	34"	32"	3/16"	5"	5.40
DRC36/34	36"	34"	3/16"	5"	5.73
DRC38/36	38"	36"	1/4"	5"	8.07
DRC40/38	40"	38"	1/4"	5"	8.51
DRC42/40	42"	40"	1/4"	5"	8.94
DRC44/42	44"	42"	1/4"	5"	9.38
DRC46/44	46"	44"	1/4"	5"	9.82
DRC48/46	48"	46"	1/4"	5"	10.25
DRC50/48	50"	48"	1/4"	5"	10.69
DRC52/50	52"	50"	1/4"	5"	11.13
DRC54/52	54"	52"	1/4"	5"	11.56
DRC56/54	56"	54"	1/4"	5"	12.00
DRC58/56	58"	56"	1/4"	5"	12.44
DRC60/58	60"	58"	5/16"	5"	16.09
DRC66/60	66"	60"	5/16"	15"	51.54
DRC72/66	72"	66"	5/16"	15"	56.45

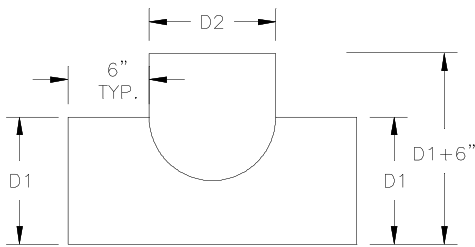
ECCENTRIC REDUCERS



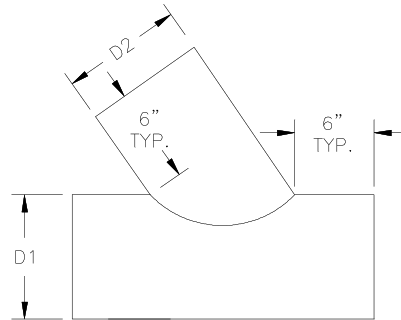
ACS PART NO.	D1	D2	WALL THICKNESS	LENGTH	APPROX. GLASS WT. (LBS.)
DRE06/04	6"	4"	1/8"	5"	0.55
DRE08/04	8"	4"	1/8"	5"	0.76
DRE10/06	10"	6"	1/8"	5"	0.98
DRE12/08	12"	8"	1/8"	5"	1.20
DRE14/10	14"	10"	1/8"	5"	1.42
DRE16/12	16"	12"	1/8"	5"	1.64
DRE18/14	18"	14"	1/8"	5"	1.85
DRE20/16	20"	16"	1/8"	5"	2.07
DRE22/18	22"	18"	1/8"	5"	2.29
DRE24/20	24"	20"	3/16"	5"	3.76
DRE26/22	26"	22"	3/16"	5"	4.09
DRE28/24	28"	24"	3/16"	5"	4.42
DRE30/26	30"	26"	3/16"	5"	4.74
DRE32/28	32"	28"	3/16"	5"	5.07
DRE34/30	34"	30"	3/16"	5"	5.40
DRE36/32	36"	32"	3/16"	5"	5.73
DRE38/34	38"	34"	1/4"	5"	8.07
DRE40/36	40"	36"	1/4"	5"	8.51
DRE42/38	42"	38"	1/4"	5"	8.94
DRE44/40	44"	40"	1/4"	5"	9.38
DRE46/42	46"	42"	1/4"	5"	9.82
DRE48/44	48"	44"	1/4"	5"	10.25
DRE50/46	50"	46"	1/4"	5"	10.69
DRE52/48	52"	48"	1/4"	5"	11.13
DRE54/50	54"	50"	1/4"	5"	11.56
DRE56/52	56"	52"	1/4"	5"	12.00
DRE58/54	58"	54"	1/4"	5"	12.44
DRE60/56	60"	56"	5/16"	5"	16.09
DRE66/60	66"	60"	5/16"	15"	51.54
DRE72/66	72"	66"	5/16"	15"	56.45

The table above is extrapolated in accordance with the ASTM D 3982-92, Standard Specifications for Contact-Molded Fiberglass Duct and Hoods (replaces NBS Voluntary Product Standard PS 15- 69). Non-standard sizes, flanges, straights, and bell ends priced on request.

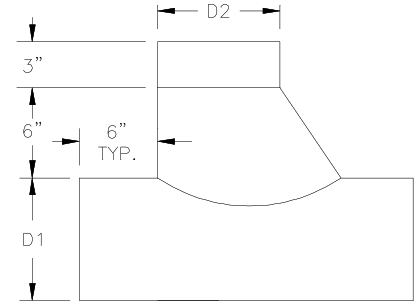
STRAIGHT TEE LATERAL



Y TEE LATERAL



SHOE TEES LATERAL



STRAIGHT TEE PART NO.	I.D. DIA. (D2)	SIZE (D1)	WALL THICKNESS
DBLST06	6"		1/8"
DBLST08	8"		1/8"
DBLST10	10"		1/8"
DBLST12	12"		1/8"
DBLST14	14"		1/8"
DBLST16	16"		1/8"
DBLST18	18"		1/8"
DBLST20	20"		1/8"
DBLST22	22"		3/16"
DBLST24	24"		3/16"
DBLST26	26"		3/16"
DBLST28	28"		3/16"
DBLST30	30"		3/16"
DBLST32	32"		3/16"
DBLST34	34"		3/16"
DBLST36	36"		3/16"
DBLST38	38"		1/4"
DBLST40	40"		1/4"
DBLST42	42"		1/4"
DBLST44	44"		1/4"
DBLST46	46"		1/4"
DBLST48	48"		1/4"
DBLST50	50"		1/4"
DBLST52	52"		1/4"
DBLST54	54"		1/4"
DBLST56	56"		1/4"
DBLST58	58"		1/4"
DBLST60	60"		5/16"
DBLST66	66"		5/16"

Y TEE PART NO.	I.D. DIA. (D2)	SIZE (D1)	WALL THICKNESS
DBLY06	6"		1/8"
DBLY08	8"		1/8"
DBLY10	10"		1/8"
DBLY12	12"		1/8"
DBLY14	14"		1/8"
DBLY16	16"		1/8"
DBLY18	18"		1/8"
DBLY20	20"		1/8"
DBLY22	22"		3/16"
DBLY24	24"		3/16"
DBLY26	26"		3/16"
DBLY28	28"		3/16"
DBLY30	30"		3/16"
DBLY32	32"		3/16"
DBLY34	34"		3/16"
DBLY36	36"		3/16"
DBLY38	38"		1/4"
DBLY40	40"		1/4"
DBLY42	42"		1/4"
DBLY44	44"		1/4"
DBLY46	46"		1/4"
DBLY48	48"		1/4"
DBLY50	50"		1/4"
DBLY52	52"		1/4"
DBLY54	54"		1/4"
DBLY56	56"		1/4"
DBLY58	58"		1/4"
DBLY60	60"		5/16"
DBLY66	66"		5/16"

SHOE TEE PART NO.	I.D. DIA. (D2)	SIZE (D1)	WALL THICKNESS
DBLS06	6"		1/8"
DBLS08	8"		1/8"
DBLS10	10"		1/8"
DBLS12	12"		1/8"
DBLS14	14"		1/8"
DBLS16	16"		1/8"
DBLS18	18"		1/8"
DBLS20	20"		1/8"
DBLS22	22"		3/16"
DBLS24	24"		3/16"
DBLS26	26"		3/16"
DBLS28	28"		3/16"
DBLS30	30"		3/16"
DBLS32	32"		3/16"
DBLS34	34"		3/16"
DBLS36	36"		3/16"
DBLS38	38"		1/4"
DBLS40	40"		1/4"
DBLS42	42"		1/4"
DBLS44	44"		1/4"
DBLS46	46"		1/4"
DBLS48	48"		1/4"
DBLS50	50"		1/4"
DBLS52	52"		1/4"
DBLS54	54"		1/4"
DBLS56	56"		1/4"
DBLS58	58"		1/4"
DBLS60	60"		5/16"
DBLS66	66"		5/16"

This table above is extrapolated in accordance with the ASTM D 3982-92 Standard Specifications for Contact-Molded Fiberglass Duct and Hoods (replaces NBS Voluntary Product Standard PS 15-69). Non standard sizes, flanges, straights, and bell ends priced on request.

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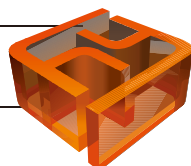
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