



FLYING "W" PLASTICS

UTILITY SERVICE CONDUIT DIMENSIONAL SPECIFICATIONS

The following table represents the dimensional specifications of ASTM D-3035, ASTM F-714, and NEMA TC-7 for O.D. controlled conduit.

Sizes	Wall Thickness	Nominal O. D.	Nominal I. D.	Minimum Wall	Nominal Lbs/ft	Standard Coil/Reel Lengths	Standard Truck	Steel Reel Size FxTxD*
1"	SDR 11	1.315"	1.07"	.120"	0.20	500'	117000'	Coils
	SDR 13.5	1.315"	1.12"	.097"	0.17	5000' 8000'	80000' 96000'	70x38x30 84x43x36
1 ¼"	SDR 9	1.660"	1.29"	.184"	0.38	500'	78000'	Coils
	SDR 11	1.660"	1.35"	.151"	0.31	2000'	32000'	70x28x30
	SDR 13.5	1.660"	1.41"	.123"	0.26	5000'	70000'	84x42x36
	SDR 15.5	1.660"	1.44"	.107"	0.23	8000'	96000'	96x43x30
1 ½"	SDR 9	1.900"	1.47"	.211"	0.49	500'	36000'	Coils
	SDR 11	1.900"	1.55"	.173"	0.41	4000'	56000'	84x42x36
	SDR 13.5	1.900"	1.61"	.141"	0.34	6000'	72000'	96x45x36
2"	SDR 9	2.375"	1.84"	.264"	0.77	500'	24500'	Coils
	SDR 11	2.375"	1.94"	.216"	0.64	1000'	18000'	70x42x36
	SDR 13.5	2.375"	2.02"	.176"	0.53	2500'	35000'	84x42x36
	SDR 15.5	2.375"	2.06"	.153"	0.47	4000'	48000'	96x45x36
	SDR 17	2.375"	2.09"	.140"	0.43			
2 ½"	SDR 11	2.875"	2.35"	.261"	0.94	1500'	18000'	96x38x55
	SDR 13.5	2.875"	2.44"	.213"	0.79			
3"	SDR 11	3.500"	2.86"	.318"	1.38	500'	12000'	Coils
	SDR 13.5	3.500"	2.98"	.259"	1.15	1000'	12000'	96x38x55
	SDR 15.5	3.500"	3.04"	.226"	1.02	1250'	15000'	96x45x55
4"	SDR 9	4.500"	3.50"	.500"	2.77	500'	6000'	Coils
	SDR 11	4.500"	3.68"	.409"	2.29	550'	6600'	96x45x70
	SDR 13.5	4.500"	3.83"	.333"	1.90	750'	9000'	102x45x70
	SDR 15.5	4.500"	3.92"	.290"	1.68			
5"	SDR 11	5.563"	4.55"	.506"	3.50	500'	4000'	114x45x80
	SDR 13.5	5.563"	4.73"	.412"	2.91	500'		
6" **	SDR 11	6.625"	5.42"	.602"	4.97	450'	3600'	120x45x84
	SDR 13.5	6.625"	5.64"	.491"	4.13	450'		

*Flange x Internal Traverse x Drum (in inches)

** Coiled duct truckloads may require special state permits

Other reel and coil sizes are available upon request. To place an order or for a distributor in your area, please contact our sales office at the numbers below. You may also visit us on the web at flyingwplastics.com for more information.

P.O. Box 759 – Glenville, WV 26351 – 304-462-5779 – FAX 304-462-7657
SALES 800-327-4735



FLYING "W" PLASTICS

UTILITY SERVICE CONDUIT DIMENSIONAL SPECIFICATIONS

The following table represents the dimensional specifications of ASTM D-2239 for I.D. Controlled (SIDR) HDPE Utility Service Conduit.

Sizes	Wall Thickness	Nominal O. D.	Nominal I. D.	Minimum Wall	Nominal Lbs/ft	Standard Coil/Reel Lengths	Standard Truck	Steel Reel Size FxTxD*
1"	SIDR 11.5	1.231"	1.049"	.091"	0.15	5000'	80000'	70x38x30
	SIDR 15	1.189"	1.049"	.070"	0.11	8000'	96000'	84x43x36
1 ¼"	SIDR 9	1.690"	1.380"	.153"	0.33	5000'	70000'	84x42X36
	SIDR 11.5	1.627"	1.380"	.120"	0.25	8000'	96000'	96x43x30
1 ½"	SIDR 11.5	1.890"	1.610"	.140"	0.34	4000'	56000'	84x42x36
	SIDR 15	1.825"	1.610"	.107"	0.26	6000'	72000'	96x45x36
2"	SIDR 11.5	2.427"	2.067"	.180"	0.56	2500'	35000'	84x42x36
4"	SIDR 11.5	4.750"	4.026"	.350"	2.12	500'	6000'	96x45x70
		700'	8400'	102x45x70				

Flying "W" Plastics manufactures HDPE Ribbed Duct that has a smooth external wall and ribbed internal wall. It has a lower coefficient of friction when compared to smooth duct and is available in a wide variety of colors, stripes and sizes. It can be manufactured with or without a pull rope/tape and can also be prelubed. The following table represents the dimensional specifications of O.D. controlled HDPE Ribbed Duct.

Sizes	Wall Thickness	Nominal O. D.	Nominal I. D.	Minimum Wall	Nominal Lbs/ft	Standard Coil/Reel Lengths	Standard Truck	Steel Reel Size FxTxD*
1"	13.5	1.315"	1.11"	.097"	.17	5000'	80000'	70x38x30
1 ¼"	13.5	1.660"	1.41"	.123"	.26	5000'	70000'	84x42x36
1 ½"	13.5	1.900"	1.61"	.141"	.34	4000'	56000'	84x42x36
2"	13.5	2.375"	2.02"	.176"	.53	2500'	35000'	84x42x36
3"	13.5	3.500"	2.97"	.259"	1.15	1000'	12000'	96x38x55
4"	13.5	4.500"	3.82"	.333"	1.90	550'	6600'	96x45x70

*Flange x Internal Traverse x Drum (in inches)



FLYING "W" PLASTICS

UTILITY SERVICE CONDUIT DIMENSIONAL SPECIFICATIONS

The following table represents the dimensional specifications of ASTM D-2447 for O.D. Controlled Schedule 40 and Schedule 80 HDPE conduit.

Sizes	Wall Thickness	Nominal O. D.	Nominal I. D.	Minimum Wall	Nominal Lbs/ft	Standard Coil/Reel Lengths	Standard Truck	Steel Reel Size FxTxD*
1"	SCH 40	1.315"	1.04"	.133"	0.22	5000'	80000'	70x38x30
	SCH 80	1.315"	0.95"	.179"	0.28	8000'	96000'	84x43x36
1 ¼"	SCH 40	1.660"	1.38"	.140"	0.29	5000'	70000'	84x42x36
	SCH 80	1.660"	1.27"	.191"	0.39	8000'	96000'	96x43x30
1 ½"	SCH 40	1.900"	1.61"	.145"	0.35	4000'	56000'	84x42x36
	SCH 80	1.900"	1.50"	.200"	0.47	6000'	72000'	96x45x36
2"	SCH 40	2.375"	2.06"	.154"	0.47	2500'	35000'	84x42x36
	SCH 80	2.375"	1.93"	.218"	0.64	4000'	48000'	96x45x36
2 ½"	SCH 40	2.875"	2.46"	.203"	0.75	1500'	18000'	96x38x55
	SCH 80	2.875"	2.32"	.276"	0.99			
3"	SCH 40	3.500"	3.06"	.216"	0.98	1000'	12000'	96x38x55
	SCH 80	3.500"	2.90"	.300"	1.32	1250'	15000'	96x45x55
4"	SCH 40	4.500"	4.02"	.237"	1.39	20' & 40'	16240'	Joints
	SCH 80	4.500"	3.82"	.337"	1.92	550'	6600'	96x45x70
5"	SCH 40	5.563"	5.04"	.258"	1.89	20' & 40'	12160'	Joints Only
	SCH 80	5.563"	4.81"	.375"	2.69			
6"	SCH 40	6.625"	5.42"	.602"	2.44	20' & 40'	7280'	Joints Only
	SCH 80	6.625"	5.64"	.491"	3.67			

The following table represents the dimensional specifications of ASTM F-714 for O.D. Controlled Ductile Iron Pipe Sizes (D.I.P.S.) HDPE conduit

Sizes	Wall Thickness	Nominal O. D.	Nominal I. D.	Minimum Wall	Nominal Lbs/ft	Standard Coil/Reel Lengths	Standard Truck	Steel Reel Size FxTxD*
4"	SDR 11	4.800"	3.92"	.436"	2.63	500'	6000'	96x45x70
	DIPS SDR 13.5	4.800"	4.08"	.356"	2.18	700'	8400'	102x45x70
6"	SDR 11	6.900"	5.64"	.627"	5.44	400'	3200'	125x45x84
	DIPS SDR 13.5	6.900"	5.87"	.511"	4.50			

*Flange x Internal Traverse x Drum (in inches)

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FLYING "W" PLASTICS YOUR CONDUIT CONNECTION



Flying "W" Plastics manufactures HDPE Utility Service Conduit with pull tape or pull rope installed. The following table represents the characteristics listed by the manufacturer of the most popular applications for both rope and tape.

Product	Material	Approximate Width	Tensile Strength	Sequential Footage Markings	Prelubricated
Rope	Polypropylene	1/4"	1250 lbs.	No	No
Non Sequential Tape	Polyester	1/2"	1130 lbs.	No	No
Sequential Tape	Polyester	1/2"	1250 lbs.	Yes	Yes
Sequential Tape 1800	Polyester	5/8"	1800 lbs.	Yes	Yes
Sequential Tape 2500	Polyester	3/4"	2500 lbs.	Yes	Yes



CONDUIT WITH TAPE



CONDUIT WITH ROPE