

**WEHOLITE® STRUCTURAL PROFILE  
 WALL HDPE PIPE SIZES**
**DATA SHEET**
**Major Dimensions:**

	NPS		OD ave		OD max		ID min		Shipping Weight		Burial Depth min <sup>1</sup>		Unconstrained Pipe Wall Buckling <sup>2</sup>	
	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(lbs/ft)	(kg/m)	(ft)	(m)	kPa	psi
<b>RSC160</b>	18	460	20.3	516	20.8	528	17.6	448	15	23	2.0	0.61	72	10.5
	19.5	495	22.0	558	22.4	570	19.1	486	17	25	2.0	0.61	67	9.6
	21	530	23.6	600	24.1	612	20.6	524	18	27	2.0	0.61	62	9.0
	24	609.6	26.9	684	27.4	697	23.6	600	21	32	2.0	0.61	54	7.9
	27	690	30.2	768	30.8	781	26.6	676	24	36	2.0	0.61	49	7.1
	30	760	33.5	851	34.0	864	29.6	752	27	40	2.0	0.61	42	6.1
	33	840	36.7	932	37.2	946	32.6	829	31	47	2.0	0.61	38	5.6
	36	910	40.5	1028	41.0	1043	35.6	905	36	54	2.0	0.61	46	6.7
	40	1016	44.5	1130	45.1	1145	39.6	1006	40	60	2.0	0.61	34	5.0
	42	1070	46.5	1181	47.1	1196	41.6	1056	42	62	2.0	0.61	30	4.3
	48	1220	52.8	1341	53.5	1359	47.5	1207	50	75	2.0	0.61	24	3.5
	54	1370	59.4	1509	60.2	1529	53.5	1358	65	96	2.0	0.61	25	3.6
	60	1520	65.4	1662	66.3	1683	59.4	1509	71	106	2.0	0.61	18	2.7
	66	1680	71.9	1825	72.8	1849	65.4	1660	86	128	2.0	0.61	18	2.6
	72	1830	78.3	1989	79.3	2014	71.3	1811	101	150	2.0	0.61	17	2.5
	78	1980	84.7	2152	85.8	2179	77.2	1961	116	172	2.0	0.61	16	2.3
	84	2130	91.1	2315	92.3	2344	83.1	2112	133	197	2.0	0.61	16	2.3
	90	2290	97.5	2478	98.8	2509	89.1	2263	150	223	2.0	0.61	15	2.2
96	2440	103.5	2630	104.8	2663	95.0	2414	159	237	2.0	0.61	12	1.8	
102	2591	110.0	2793	111.3	2828	101.0	2565	179	266	2.0	0.61	12	1.8	
108	2740	116.3	2955	117.8	2992	106.9	2716	200	297	2.0	0.61	12	1.7	
120	3050	129.1	3280	130.7	3320	118.8	3018	241	359	2.0	0.61	11	1.6	
132	3355	141.5	3594	143.2	3638	130.7	3319	277	412	2.0	0.61	10	1.4	

<sup>1</sup> Minimum covers presented were calculated assuming Class II backfill material compacted to 95% SPD, no hydrostatic pressure and with AASHTO HS-25 or CL-625 vehicle loading. For maximum burial depths of Weholite refer to Infra Pipe online burial calculator available at [www.infrapipes.com](http://www.infrapipes.com)

<sup>2</sup> Factor of Safety used in calculations is 1.5. Pipe ovality is assumed not to exceed 2%. Poisson's ratio of 0.35 has been used. 10 hr / 100° F material modulus of elasticity value of 46,900 psi has been used. Use PPI's Engineering Handbook, Chapter 6 to determine 'collapse resistance' characteristics at temperatures and load durations different from those indicated above.

## Major Dimensions (continued):

	NPS		OD ave		OD max		ID min		Shipping Weight		Burial Depth min <sup>1</sup>		Unconstrained Pipe Wall Buckling <sup>2</sup>	
	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(lbs/ft)	(kg/m)	(ft)	(m)	kPa	psi
<b>RSC250</b>	33	840	37.5	952	38.0	966	32.6	829	33	50	2.0	0.61	59	8.6
	36	910	40.8	1036	41.4	1051	35.6	905	38	57	2.0	0.61	55	8.0
	40	1016	44.8	1138	45.4	1153	39.6	1006	43	64	2.0	0.61	41	6.0
	42	1070	46.9	1192	47.6	1209	41.6	1056	47	69	2.0	0.61	40	5.7
	48	1220	53.4	1357	54.1	1375	47.5	1207	58	86	2.0	0.61	35	5.1
	54	1370	59.9	1521	60.7	1541	53.5	1358	71	105	2.0	0.61	31	4.5
	60	1520	66.3	1684	67.2	1706	59.4	1509	84	125	2.0	0.61	29	4.1
	66	1680	72.7	1847	73.7	1871	65.3	1660	99	147	2.0	0.61	26	3.8
	72	1830	79.1	2010	80.2	2036	71.3	1811	114	170	2.0	0.61	24	3.5
	78	1980	85.5	2173	86.6	2201	77.2	1961	130	194	2.0	0.61	22	3.3
	84	2130	92.0	2336	93.1	2366	83.2	2112	149	221	2.0	0.61	21	3.1
	90	2290	98.3	2498	99.6	2530	89.1	2263	167	248	2.0	0.61	20	2.9
	96	2440	104.7	2660	106.1	2694	95.0	2414	185	276	2.0	0.61	19	2.7
	102	2591	111.1	2822	112.5	2858	101.0	2565	206	307	2.0	0.61	18	2.6
	108	2740	117.5	2984	119.0	3022	106.9	2716	227	337	2.0	0.61	17	2.5
<b>RSC400</b>	72	1830	80.7	2051	81.8	2078	71.3	1811	141	209	2.0	0.61	43	6.2
	78	1980	87.1	2213	88.3	2242	77.2	1961	160	238	2.0	0.61	39	5.6
	84	2130	93.5	2375	94.7	2406	83.2	2112	180	267	2.0	0.61	35	5.1
	90	2290	100.2	2546	101.6	2580	89.1	2263	207	308	2.0	0.61	36	5.2
	96	2440	106.2	2699	107.6	2734	95.0	2414	220	327	2.0	0.61	30	4.3
	102	2591	113.0	2869	114.5	2907	101.0	2565	249	370	2.0	0.61	30	4.4
	108	2740	119.0	3022	120.5	3061	106.9	2716	263	391	2.0	0.61	26	3.7

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<sup>1</sup> Minimum covers presented were calculated assuming Class II backfill material compacted to 95% SPD, no hydrostatic pressure and with AASHTO HS-25 or CL-625 vehicle loading. For maximum burial depths of Weholite refer to Infra Pipe online burial calculator available at [www.infrapipes.com](http://www.infrapipes.com)

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