



IRON STRONG

DUCTILE IRON PIPE INTERNAL DIAMETERS

3"-36"

Unlined (UNL) Single Cement Lining (SCL) Double Cement Lining (DCL)

All dimensions shown are nominal with units = inches Pipe classes listed in ascending order of thickness per diameter

PIPE SIZE	PIPE CLASS	PIPE WALL	INSIDE DIAMETERS		
			UNL	SCL	DCL
3	350	0.25	3.46	3.34	3.21
	51	0.25	3.46	3.34	3.21
	52	0.28	3.40	3.28	3.15
	53	0.31	3.34	3.22	3.09
OD 3.96	54	0.34	3.28	3.16	3.03
	55	0.37	3.22	3.10	2.97
	56	0.40	3.16	3.04	2.91

PIPE SIZE	PIPE CLASS	PIPE WALL	INSIDE DIAMETERS		
			UNL	SCL	DCL
4	350	0.25	4.30	4.18	4.05
	51	0.26	4.28	4.16	4.03
	52	0.29	4.22	4.10	3.97
	53	0.32	4.16	4.04	3.91
OD 4.80	54	0.35	4.10	3.98	3.85
	55	0.38	4.04	3.92	3.79
	56	0.41	3.98	3.86	3.73

6	350	0.25	6.40	6.28	6.15
	50	0.25	6.40	6.28	6.15
	51	0.28	6.34	6.22	6.09
	52	0.31	6.28	6.16	6.03
	53	0.34	6.22	6.10	5.97
OD 6.90	54	0.37	6.16	6.04	5.91
	55	0.40	6.10	5.98	5.85
	56	0.43	6.04	5.92	5.79

8	350	0.25	8.55	8.43	8.30
	50	0.27	8.51	8.39	8.26
	51	0.30	8.45	8.33	8.20
	52	0.33	8.39	8.27	8.14
	53	0.36	8.33	8.21	8.08
OD 9.05	54	0.39	8.27	8.15	8.02
	55	0.42	8.21	8.09	7.96
	56	0.45	8.15	8.03	7.90

10	350	0.26	10.58	10.46	10.33
	50	0.29	10.52	10.40	10.27
	51	0.32	10.46	10.34	10.21
	52	0.35	10.40	10.28	10.15
	53	0.38	10.34	10.22	10.09
OD 11.10	54	0.41	10.28	10.16	10.03
	55	0.44	10.22	10.10	9.97
	56	0.47	10.16	10.04	9.91

12	350	0.28	12.64	12.52	12.39
	50	0.31	12.58	12.46	12.33
	51	0.34	12.52	12.40	12.27
	52	0.37	12.46	12.34	12.21
	53	0.40	12.40	12.28	12.15
OD 13.20	54	0.43	12.34	12.22	12.09
	55	0.46	12.28	12.16	12.03
	56	0.49	12.22	12.10	11.97

14	250	0.28	14.74	14.55	14.36
	300	0.30	14.70	14.51	14.32
	350	0.31	14.68	14.49	14.30
	50	0.33	14.64	14.45	14.26
	51	0.36	14.58	14.39	14.20
	52	0.39	14.52	14.33	14.14
	53	0.42	14.46	14.27	14.08
OD 15.30	54	0.45	14.40	14.21	14.02
	55	0.48	14.34	14.15	13.97
	56	0.52	14.26	14.07	13.88
PIPE SIZE	PIPE CLASS	PIPE WALL	UNL	SCL	DCL
INSIDE DIAMETERS					

16	250	0.30	16.80	16.61	16.43	
	300	0.32	16.76	16.57	16.39	
	350	0.34	16.72	16.53	16.35	
	50	0.34	16.72	16.53	16.35	
	51	0.37	16.66	16.47	16.29	
	52	0.40	16.60	16.41	16.23	
	53	0.43	16.54	16.35	16.17	
	OD 17.40	54	0.46	16.48	16.29	16.11
		55	0.49	16.42	16.23	16.05
		56	0.52	16.36	16.17	15.99
PIPE SIZE		PIPE CLASS	PIPE WALL	UNL	SCL	DCL
INSIDE DIAMETERS						

PIPE SIZE	PIPE CLASS	PIPE WALL	INSIDE DIAMETERS		
			UNL	SCL	DCL
18	250	0.31	18.88	18.69	18.51
	300	0.34	18.82	18.63	18.45
	50	0.35	18.80	18.61	18.43
	350	0.36	18.78	18.59	18.41
	51	0.38	18.74	18.55	18.37
	52	0.41	18.68	18.49	18.31
	53	0.44	18.62	18.43	18.25
OD 19.50	54	0.47	18.56	18.37	18.19
	55	0.50	18.50	18.31	18.13
	56	0.53	18.44	18.25	18.07

24	200	0.33	25.14	24.95	24.77
	250	0.37	25.06	24.87	24.69
	50	0.38	25.04	24.85	24.67
	300	0.40	25.00	24.81	24.63
	51	0.41	24.98	24.79	24.61
	350	0.43	24.94	24.75	24.57
	52	0.44	24.92	24.73	24.55
	53	0.47	24.86	24.67	24.49
OD 25.80	54	0.50	24.80	24.61	24.43
	55	0.53	24.74	24.55	24.37
	56	0.56	24.68	24.49	24.31

36	150	0.38	37.54	37.29	37.04
	200	0.42	37.46	37.21	36.96
	50	0.43	37.44	37.19	36.94
	250	0.47	37.36	37.11	36.86
	51	0.48	37.34	37.09	36.84
	300	0.51	37.28	37.03	36.78
	52	0.53	37.24	36.99	36.74
	350	0.56	37.18	36.93	36.68
	53	0.58	37.14	36.89	36.64
	OD 38.30	54	0.63	37.04	36.79
55		0.68	36.94	36.69	36.44
56		0.73	36.84	36.59	36.34
PIPE SIZE	PIPE CLASS	PIPE WALL	UNL	SCL	DCL
INSIDE DIAMETERS					

PIPE SIZE	PIPE CLASS	PIPE WALL	INSIDE DIAMETERS		
			UNL	SCL	DCL
20	250	0.33	20.94	20.75	20.57
	300	0.36	20.88	20.69	20.51
	50	0.36	20.88	20.69	20.51
	350	0.38	20.84	20.65	20.47
	51	0.39	20.82	20.63	20.45
	52	0.42	20.76	20.57	20.39
	53	0.45	20.70	20.51	20.33
OD 21.60	54	0.48	20.64	20.45	20.27
	55	0.51	20.58	20.39	20.21
	56	0.54	20.52	20.33	20.15

30	150	0.34	31.32	31.07	30.82
	200	0.38	31.24	30.99	30.74
	50	0.39	31.22	30.97	30.72
	250	0.42	31.16	30.91	30.66
	51	0.43	31.14	30.89	30.64
	300	0.45	31.10	30.85	30.60
	52	0.47	31.06	30.81	30.56
	350	0.49	31.02	30.77	30.52
	53	0.51	30.98	30.73	30.48
	OD 32.00	54	0.55	30.90	30.65
55		0.59	30.82	30.57	30.32
56		0.63	30.74	30.49	30.24
PIPE SIZE	PIPE CLASS	PIPE WALL	UNL	SCL	DCL
INSIDE DIAMETERS					

NOMINAL LINING THICKNESS PER PIPE DIAMETER

3-12 inch	SCL = 1/16 inch	DCL = 1/8 inch
14-24 inch	SCL = 3/32 inch	DCL = 3/16 inch
30-36 inch	SCL = 1/8 inch	DCL = 1/4 inch

Inside diameters may vary slightly based on permitted casting tolerances within AWWA/ANSI C151, latest edition.

Check with pipe manufacturer to confirm availability of wall classes in selected diameter.



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