



EBAA IRON
EBA IRON PIPE & MACHINE

"Your Connection to the Future"™

Pipe O.D. Chart

Pipe Material $\frac{1}{2}$ $\frac{3}{8}$ $\frac{1}{4}$ 1 $1\frac{1}{4}$ $1\frac{1}{2}$ 2 $2\frac{1}{2}$ 3 $3\frac{1}{2}$ 4 $4\frac{1}{2}$ 5 6 7 8 9 10 12 14 15 16 18 20 21 22 24 27 30 36 42 48

Ductile Iron	DIP	4.80	6.90	9.05	11.10	13.20	15.30	17.40	19.50	21.60	25.80	31.74	37.96	44.50	50.80	
PVC	IPS	4.80	6.90	9.05	11.10	13.20	15.30	17.40	19.50	21.60	25.80	31.74	37.96	44.50	50.80	
	PIP	4.50	5.563	6.625	8.625	10.75	12.75	14.00	16.00	18.00	20.00	24.00	30.00	36.00	42.00	48.00
Steel	Standard	4.13	6.14	8.16	10.20	12.24	14.28	15.30	18.701	22.047	24.803	27.933				
	O.D.	4.50	5.563	6.625	8.625	10.75	12.75	14.00	16.00	18.00	20.00	24.00	30.00	36.00	42.00	48.00
Cast Iron	RIV.	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00	20.00	24.00	30.00	36.00	42.00	48.00	
	CI A	3.60	6.90	9.05	11.10	13.20	15.30	17.40	19.50	21.60	25.80	31.74	37.96	44.50	50.80	
	CI B	5.00	7.10	9.05	11.10	13.20	15.30	17.40	19.50	21.60	25.80	31.74	37.96	44.50	50.80	
	CI C	5.00	7.10	9.30	11.40	13.50	15.65	17.80	19.92	22.06	26.632	32.40	38.70	45.10	51.40	
	CI D	5.00	7.10	9.30	11.40	13.50	15.65	17.80	19.92	22.06	26.632	32.40	38.70	45.10	51.40	
	CI E	7.22	9.42	9.42	11.60	13.76	15.98	18.16	20.02							
	CI F	7.22	9.42	9.42	11.60	13.76	15.98	18.16	20.02							
	CI G	7.38	9.60	9.60	11.84	14.08	16.32	18.54	21.02							
	CI H	7.38	9.60	9.60	11.84	14.08	16.32	18.54	21.02							
	HDPE	DIP	4.80	6.90	9.05	11.10	13.20	15.30	17.40	19.50	21.60	25.80	31.74	37.96	44.50	50.80
	IPS	4.50	5.56	6.625	8.625	10.75	12.75	14.00	16.00	18.00	20.00	24.00	30.00	36.00	42.00	48.00
Copper	ME OD	3.74	6.91	9.11	11.24	13.44	15.67	17.15	19.90	22.12	26.48					
	RB OD Min	4.00	7.05	9.22	11.42	13.69	15.40	17.54	20.44	22.50	27.17					
	RB OD Max	4.00	7.40	9.57	11.77	14.04	15.80	17.94	20.44	22.50	27.17					
	ME OD	3.84	6.91	9.11	11.66	13.92	16.22	18.46	20.94	23.38	27.96					
	RB OD Min	4.10	7.07	9.27	11.82	14.08	16.38	18.62	21.20	23.54	28.22					
	RB OD Max	4.10	7.37	9.57	12.12	14.38	16.73	18.97	21.20	23.54	28.22					
	ME OD	3.84	6.91	9.11	11.66	13.92	16.22	18.46								
	RB OD Min	4.29	7.26	9.39	11.77	14.03	16.48	18.79								
	RB OD Max	4.29	7.56	9.74	12.12	14.38	16.88	19.19								
	ME OD	3.70	6.76	8.88	11.18	13.36	15.56	17.76								
	RB OD Min	3.95	7.01	9.13	11.43	13.61	15.94	18.14								
Simp	ME OD	4.85	6.95	9.15	11.70	13.96	16.26	18.50								
cl 150	RB OD Min	4.13	7.20	9.40	11.95	14.21	16.64	18.88								
Simp	ME OD	4.20	7.50	9.76	12.20	14.46	16.88	19.30								
cl 200	RB OD Min	4.45	7.75	10.01	12.45	14.72	17.26	19.68								
PVC	SDR35	4.215	6.275	8.40	10.50	12.50	15.30	18.701	22.047	24.803	27.933	32.00	38.30	44.50	50.80	
	cl 1500	4.81	5.90	6.92	9.02	11.12	13.22	15.30	16.34	17.38						
	cl 2400	4.87	5.97	6.98	9.04	11.16	13.26	15.36	16.42	17.46	19.54	21.66	26.47	28.78		
A/C Sewer	cl 3300	5.05	6.15	7.14	9.22	11.36	13.50	15.46	16.66	17.72	19.82	21.88	23.03	26.10	32.34	
	cl 4000					11.50	13.64	15.78	16.84	17.90	20.02	22.10	23.29	26.32	32.60	
	cl 5000					11.70	13.86	16.00	17.06	18.14	20.36	22.52	23.66	26.20	32.90	
	A/C ME					11.05	13.15	15.23	16.11	17.31	19.39	21.45	23.37	25.67	32.13	
cl Soil No Hub	clay	4.30	5.50	6.30	8.40	10.50	12.50	15.62								
	Concrete	4.65	6.15	7.19	9.25	11.50	13.75	17.19	20.65	24.13	27.50	31.00	34.68	29.00	32.25	

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PIPE OD CHART

Pipe Size	PVC (Steel Size)	PVC C900	CAST IRON		ASBESTOS-CEMENT			STEEL		
	O.D.	O.D.	Classes		O.D.	Class	Machined End O.D.	Rough Barrel O.D. Min - Max	Type	O.D.
			Pit	Spun						
1/2"	.84								STD	.84
3/4"	1.05								STD	1.05
1"	1.32								STD	1.32
1 1/4"	1.66								STD	1.66
1 1/2"	1.90								STD	1.90
2"	2.38	2.50			2.50				STD	2.38
2 1/2"	2.88								STD	2.88
3"	3.50		A B,C,D	50- 350	3.80	100	3.74	4.00	O.D. STD	3.00 3.50
					3.96	150	3.84	4.10		
						200	3.84	4.29		
4"	4.50	4.80	A B,C,D	50- 350	4.80	100	4.64	4.79- 5.14	O.D. STD	4.00 4.50
					5.00	150	4.81	4.97- 5.27		
						200	4.81	5.22- 5.57		
5"								STD	5.56	
6"	6.63	6.90	A B,C,D E,F	50- 350	6.90	100	6.91	7.05- 7.40	O.D. STD	6.00 6.63
					7.10	150	6.91	7.07- 7.37		
					7.22	200	6.91	7.26- 7.56		
8"	8.63	9.05	A,B C,D E,F	50- 300 350	9.05	100	9.11	9.22- 9.57	O.D. STD	8.00 8.63
					9.30	150	9.11	9.27- 9.57		
					9.42	200	9.11	9.57- 9.39- 9.74		
							11.42-			

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10"	10.75	11.10	A,B C,D E,F	50- 200 250- 350	11.10 11.40 11.60	100 150 200	11.24 11.66 11.66	11.77 11.82- 12.12 13.69- 14.04	O.D. STD	10.00 10.75
12"	12.75	13.20	A,B C,D E,F	50- 200 250- 350	13.20 13.50 13.76	100 150 200	13.44 13.92 13.92	13.69- 14.04 14.08 - 14.38 14.03- 14.38	O.D. STD	12.00 12.75
14"			A,B C,D E,F	50- 100 150- 300	15.30 15.65 15.98	100 150 200	15.07 16.22 16.22	15.40- 15.80 16.38- 16.73 16.48- 16.88	O.D.	14.00
16"			A,B C,D E,F	50- 100 150- 300	17.40 17.80 18.16	100 150 200	17.14 18.46 18.46	17.54- 17.94 18.62- 18.97 18.79- 19.19	O.D.	16.00
18"			A,B C,D	50- 100 150- 250	19.90 20.94	100 150	19.50 20.94	20.44 21.20	STD	18.00
20"			A,B C,D	50- 100 150- 250	21.60 22.06	100 150	22.12 23.28	22.50 23.54	STD	20.00
24"			A,B C,D	50- 100 150- 250	25.80 26.32	100 150	26.48 27.96	27.17 28.22	STD	24.00

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Nominal Pipe Size (Inches)	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2
Copper Tubing	.63	.88	1.13	1.38	1.63	2.13	2.63
Steel & Plastic Pipe	.84	1.05	1.32	1.66	1.90	2.38	2.88

Nominal Pipe Size (Inches)		3	4	5	6	8	10	12	14	15	16	18	20	24	30
Copper Tubing		3.13	4.13	5.13	6.13										
Steel & Plastic Pipe (SDR 26.21 & Schedule)		3.50	4.50	5.56	6.63	8.63	10.75	12.75	14.00		16.00	18.00	20.00	24.00	30.00
Plastic Irrigation Pipe (PIP)			4.13		6.14	8.16	10.20	12.24		15.30		18.70	22.05	24.80	
Plastic Sewer Pipe (SDR 35)			4.22		6.26	8.40	10.50	12.50		15.30		18.70		24.80	
Plastic (PVC) AWWA C-900/C-905/C-909			4.80		6.90	9.05	11.10	13.20	15.30		17.40	19.50	21.60	25.80	
Polyethylene Pipe (IPS Size)		3.50	4.50		6.63	8.63	10.75	12.75	14.00		16.00	18.00	20.00	24.00	30.00
Polyethylene Pipe (DIP Size)			4.80		6.90	9.05	11.10	13.20	15.30		17.40	19.50	21.60	25.80	32.00
Cast Iron	Ductile Iron Pipe	3.96	4.80		6.90	9.05	11.10	13.20	15.30		17.40	19.50	21.60	25.80	32.00
	Class 100 - 250 AWWA	3.96	4.80		6.90	9.05	11.10	13.20	15.30		17.40	19.50	21.60	25.80	32.00
	Class A AWWA PIT Cast	3.80	4.80		6.90	9.05	11.10	13.20	15.30		17.40	19.50	21.60	25.80	31.74
	Class B AWWA PIT Cast	3.96	5.00		7.10	9.05	11.10	13.20	15.30		17.40	19.50	21.60	25.80	32.00

Class C - D AWWA PIT Cast		3.96	5.00		7.10	9.30	11.40	13.50	15.65		17.80	19.92	22.06	26.32	
Class 100	Machined End	3.74	4.64		6.91	9.11	11.24	13.44	15.07		17.15	19.90	22.12	26.48	33.12
	Flintite Rough Barrel	3.94	4.90		7.13	9.33	11.30	13.42	15.45		17.60				
	Fluid-Tite Rough Barrel	3.93	5.05		7.16	9.32	11.46	13.70	15.36		17.50	20.44	22.50	27.17	
	Permaflex Rough Barrel		4.84		7.15	9.35	11.47	13.74	15.55		17.55	20.50	22.70	27.15	
	Ring-Tite Rough Barrel	3.95	4.92		7.19	9.39	11.47	13.74	15.51		17.65	20.44	22.68	27.12	33.80
	Min. Standard Rough Barrel		4.79		7.05	9.22	11.25	13.37	15.36		17.50				
	Max. Standard Rough Barrel		5.26		7.40	9.57	11.77	14.04	15.80		17.94				
Class 150	Machined End	3.84	4.81		6.91	9.11	11.66	13.92	16.22		18.46	20.94	23.28	27.96	35.00
	Flintite Rough Barrel	4.40	5.06		7.13	9.33	11.88	14.14	16.48		18.72				
	Fluid-Tite Rough Barrel	4.03	5.14		7.12	9.32	11.85	14.11	16.41		18.65	21.20	23.54	28.22	
	Permaflex Rough Barrel		5.00		7.20	9.40	11.92	14.20	16.50		18.75	21.30	23.64	28.32	
	Ring-Tite Rough Barrel	4.13	5.07		7.17	9.37	11.92	14.18	16.48		18.72	21.30	23.64	28.32	35.42
	Min. Standard Rough Barrel		4.97		7.07	9.27	11.82	14.08	16.38		18.62				
	Max. Standard Rough Barrel		5.32		7.37	9.62	12.12	14.38	16.73		18.97				
Class 200	Machined End	3.84	4.81		6.91	9.11	11.66	13.92	16.22		18.46	22.18	24.66	29.62	37.06
	Flintite Rough Barrel	4.17	5.32		7.26	9.44	11.88	14.14	16.53		18.84				
	Fluid-Tite Rough Barrel	4.18	5.32		7.36	9.46	11.88	14.11	16.44		18.74				
	Permaflex Rough Barrel		5.32		7.25	9.50	11.95	14.20	16.55		18.90	22.54	25.02	29.98	
	Ring-Tite Rough Barrel	4.17	5.33		7.32	9.50	11.92	14.18	16.59		18.90	22.54	25.02	29.98	37.48
	Min. Standard Rough Barrel		5.22		7.26	9.39	11.77	14.03	16.44		18.74				
	Max. Standard Rough Barrel		5.57		7.60	9.79	12.12	14.38	16.88		19.19				
Nominal Pipe Size (Inches)		3	4	5	6	8	10	12	14	15	16	18	20	24	30

Pipe OD Chart

PIPE SIZE	IPS	DUCT IRON	CI MIN	CI MAX
4"	4.50	4.80	4.80	5.00
6"	6.63	6.90	6.90	7.10
8"	8.63	9.05	9.05	9.30
10"	10.75	11.10	11.10	11.40
12"	12.75	13.20	13.20	13.50
14"	14.00	15.30	15.30	15.65
16"	16.00	17.40	17.40	17.80
18"	18.00	19.50	19.50	19.92
20"	20.00	21.60	21.60	22.06
24"	24.00	25.80	25.80	26.32
30"	30.00	32.00	31.74	32.74
36"	36.00	38.30	37.96	39.16

Pipe OD Chart

PIPE SIZE	IPS	DUCT IRON	CI MIN	CI MAX
4"	4.50	4.80	4.80	5.00
6"	6.63	6.90	6.90	7.10
8"	8.63	9.05	9.05	9.30
10"	10.75	11.10	11.10	11.40
12"	12.75	13.20	13.20	13.50
14"	14.00	15.30	15.30	15.65
16"	16.00	17.40	17.40	17.80
18"	18.00	19.50	19.50	19.92
20"	20.00	21.60	21.60	22.06
24"	24.00	25.80	25.80	26.32
30"	30.00	32.00	31.74	32.74
36"	36.00	38.30	37.96	39.16