Engineering Information

Loss in Cast Iron Pipes

Cast iron pipe is a historical pipe which found widespread use as a pressure pipe for transmission of water, gas and sewage, and as a water drainage pipe, during the 19th and 20th centuries. It comprises predominantly a gray cast iron tube and was frequently used uncoated, although later developments did result in various coatings and linings to reduce corrosion and improve hydraulics. Cast iron pipe was gradually superseded by ductile iron pipe, which is a direct development, with most existing manufacturing plants transitioning to the new material during the 1970s and 1980s. There is currently almost no new manufacture of cast iron pipe.

Engineering Information

Velocity	Coppy						Diam	eter o		
Feet per Second	3		4		5		6			
	Discharge per Minute in Cubic Feet.									
Digital	arkachi.	Feet	148	Feet		Feet		Feet		
Feet	Cubic Feet	of Head	Cubic Feet	of Head	Cubic Feet	of Head	Cubic Feet	of Head		
2	5.9	9.7	10.5	.55	16.4	.41	23.6	.32		
2.5	7.3	1.49	13.0	.12	20.4	.64	29.3	.50		
3	8.8	1.9	15.7	1.2	24.5	.82	35.2	.72		
3.5	10.3	2.6	18.3	1.6	28.6	1.2	41.2	1.0		
4	11.8	3.3	21.0	2.2	32.7	1.7	47.0	1.3		
4.5	687	424	13-	1 1 1 1 1	+	774	53.0	1.6		
5	32002	0.28	STORE	85 440	1082 110	2723	70.21	U.		
5.5	a.) and h	e Head	of lutura		wen to 1	al orași	1,9(57)	γE		
The dis	harged (FLOU	OF W	ATER A	ND FRIC	TION	hán ro	olhei		
Velocity	EZAE DE	1200	\$ 753°T	01 419	7 4142	4085.6	Diam	otor o		
Velocity Feet per	98.345.9	78.989	3 7337	STF 10	2010 1	4085.6	Diam	eter o		
Andrew Control	88.345.8 88.345.8	7252	# 738T	8 8	7 4142	18124	Diam 2	1/6 19		
Feet per	30.345.5	18 18 38	A 337	8 8	7 4142	18104	6.9.16	1/6 19		
Feet per	30.345.5	18 18 38	A 337	8 8	SPIP 2	18104	6.9.16	4 00		
Feet per	30.345.5	L5 Disc	A 337	8 r Minute Feet of	SPIP 2	1 Feet of	6.9.16	4 Feet		
Feet per Second	edene edene	Disc Feet	1 harge pe	8 r Minute Feet	in Cubic	1 Feet. Feet	2	4 Feet		
Feet per Second	Sandi Cubic	Disc Feet of	harge pe	8 r Minute Feet of	in Cubic	1 Feet of	2 Cubic	4 Feet		
Feet per Second	Cubic Feet	Disc Feet of Head	harge pe Cubic Feet	8 r Minute Feet of Head	in Cubic Cubic Feet	Feet. Feet of Head	Cubic Feet	Feet of Head		
Feet per Second	Sm.dl. Cubic Feet 148	Disc Feet of Head	harge pe Cubic Feet 212	8 r Minute Feet of Head	in Cubic Cubic Feet 298	Feet. Feet of Head	Cubic Feet 377	Feet of Head		
Feet per Second Feet	Cubic Feet 148 184	Disc Feet of Head	harge pe Cubic Feet 212 264	8 Feet of Head .025 .147	in Cubic Cubic Feet 298 360	Feet. Feet of Head .075	Cubic Feet	Feet of Head 0.65 .109 .15		
Feet per Second Feet 2 2.5 3	Cubic Feet 148 184 220	Disc Feet of Head .11 .17 .25	harge pe Cubic Feet 212 264 317	8 Feet of Head .025 .147 .21	in Cubic Cubic Feet 298 360 430	Feet. Feet of Head .075 .117	Cubic Feet 377 470 565	Feet of Head 0.65 .109 .15 .20		
Feet per Second Feet 2 2.5 3 3.5	Cubic Feet 148 184 220 258	Disc Feet of Head .11 .17 .25 .34	1 harge pe Cubic Feet 212 264 317 372	8 Feet of Head .025 .147 .21 .29	2 in Cubic Cubic Feet 298 360 430 505	Feet. Feet of Head .075 .117 .17 .23	Cubic Feet 377 470 565 680	Feet of Head 0.65 .109 .15 .20 .27		
Feet per Second Feet 2 2.5 3 3.5 4	Cubic Feet 148 184 220 258 295	Disc Feet of Head .11 .17 .25 .34 .44	Cubic Feet 212 264 317 372 425	8 Feet of Head .025 .147 .21 .29 .36	2 in Cubic Cubic Feet 298 360 430 505 575	1 Feet. Feet of Head .075 .117 .17 .23	Cubic Feet 377 470 565 680 755	Feet of Head 0.65 .109 .15 .20 .27		
Feet per Second Feet 2 2.5 3 3.5 4 4.5	Cubic Feet 148 184 220 258 295 331	Disc Feet of Head .11 .17 .25 .34 .44	Cubic Feet 212 264 317 372 425 475	8 r Minute Feet of Head .025 .147 .21 .29 .36 .46	Cubic Feet 298 360 430 505 575 650	1 Feet. Feet of Head .075 .117 .17 .23 .31 .39	Cubic Feet 377 470 565 680 755 845	Feet of Head 0.65 .109 .15 .20 .27 .34		

Engineering Information

,	8111	Ten	OSS II		T IRO n Inches	N PIPI	S		
Roft	6,000	plate 7	aldibly	8	/ 编	MARI S	a Third	10	10.0
Nüel	Inteler	and lo	oss of H	ead in F	eet, per	100 Fee	t long.	Pitshi	1986
	Feet	of The	Feet	b read at	Feet	41-10-41	Feet		Feet
Cubic	of	Cubic	of	Cubic	of	Cubic	of	Cubic	of
Feet	Head	Feet	Head	Feet	Head	Feet	Head	Feet	Head
32	.27	42	.23	53	.19	65	.18	94	.15
40	.43	52	.36	66	.30	82	.27	117	.23
48	.61	63	.51	79	.44	98	.39	141	.33
56	10.70	73	.71	93	.61	115	.52	165	.45
64	.9	86	.92	106	.79	131	.69	188	.59
72	1.2	94	1.2	119	1.01	147	.87	212	.75
8/8/2	3281	1,20	8199	132	1.2	164	209.1	325	.96
		100		Vern.	1000	0000	100	rojon	14
5075	137	1.00	99 /177	A F Z F 1	SALE OF	11 14 / F (T)	1	1000	1000
1.578	3281	L	SS IN	CAST	IRON -	(Cont	-3461	H	34.
1.3/4 \$\i2	4375	1.71	\$100.1	CAST Pipes. In	n Inches	A rida	3931	12731	- ZXI
1.3/4 \$\i2	0	LC 30	OSS IN	CAST	n Inches	13.636	346	3012	34.
1.3/4 S\I ₂ 8/4 2.1/2 8/3	4375. 4921 72	30	1.1674	CAST Pipes. In	n Inches	13.636	.3938 .4558	731	#6, 182 -
1.3/4 S\I ₂ 8/4 2.1/2	4375. 4921 72	30	1.1674	CAST Pipes. In	n Inches	36	.3938 .4558	731	156 182 - 182 - 182 - 183 - 18
13/4 S\I ₂ 8r/e: 2.1/2 8\3 2.3/4	27 (See	30 nd loss	of Hea	CAST Pipes. In	n Inches	36	et long	42	146 182 - 182 - 183 - 183 - 183 -
1.3/4 S\I ₂ 8/4 2.1/2 8/3	27 (Se)	30 nd loss	of Hea	CAST Pipes. In 33	eet, per	36 100 Fe	et long	42	SVI SIN
3/4 S/12 3/6 : 2.1/2 8/3/4 Cubic :	27 (See	30 nd loss Cubic	of Hea	CAST Pipes. In 33 ad in Fe	eet, per	36 100 Fe	et long Feet of	42 Cubic	Feet of Head
SN2	27 a Feet of Head	30 nd loss Cubic Feet	Feet of Head	CAST Pipes. In 33 ad in Fe	eet, per Feet of Head	366 100 Fe Cubic Feet	Feet of Head	42 Cubic Feet	Feet of Head
Cubic Feet 478	27 a Feet of Head	30 nd loss Cubic Feet 590	Feet of Head	CAST Pipes. In 33 ad in Fe Cubic Feet 710	reet, per Feet of Head	360 100 Fe Cubic Feet 650	Feet of Head	42 Cubic Feet 1150 1440	Feet of Head .038 0.56
Cubic Feet 478 595	a Feet of Head	30 nd loss Cubic Feet 590 730	Feet of Head .052 .085	CAST Pipes. In 33 ad in Fe Cubic Feet 710 890	Feet of Head .049 .076	36 100 Fe Cubic Feet 650 1000	Feet of Head .04 .07	42 Cubic Feet 1150	Feet of Head .038 0.56 .081
Cubic Feet 478 595 715	27 See a Feet of Head .055 .088 .13	30 nd loss Cubic Feet 590 730 880	Feet of Head .052 .085	CAST Pipes. In 33 ad in Fe Cubic Feet 710 890 1070	Feet of Head .049 .076 .108	366 100 Fe Cubic Feet 650 1000 1270	Feet of Head .04 .07 .10	42 Cubic Feet 1150 1440 1730	Feet of Head .038 0.56
Cubic Feet 478 595 715 835	27 Associated and a second and	30 nd loss Cubic Feet 590 730 880 1030	Feet of Head .052 .085 .12 .16	CAST Pipes. In 33 ad in Fe Cubic Feet 710 890 1070 1250	Feet of Head .049 .076 .108 .15	360 100 Fe Cubic Feet 650 1000 1270 1480	Feet of Head .04 .07 .10 .14	42 Cubic Feet 1150 1440 1730 2020	Feet of Head .038 0.56 .081 .111
Cubic Feet 478 595 715 835 955	27 Associated and a second and	30 nd loss Cubic Feet 590 730 880 1030 1180	Feet of Head .052 .085 .12 .16 .22 .28	CAST Pipes. In 33 ad in Fe Cubic Feet 710 890 1070 1250 1420	Feet of Head .049 .076 .108 .15 .20	36 100 Fe Cubic Feet 650 1000 1270 1480 1700	Feet of Head .04 .07 .10 .14 .17	42 Cubic Feet 1150 1440 1730 2020 2300	Feet of Head .038 0.56 .081 .111 .14
Cubic Feet 478 595 715 835 955 1070	27 Acceptage 27 Ac	30 nd loss Cubic Feet 590 730 880 1030 1180 1320	Feet of Head .052 .085 .12 .16 .22 .28	CAST Pipes. In 33 ad in Fe Cubic Feet 710 890 1070 1250 1420 1600	reet, per Feet of Head .049 .076 .108 .15 .20 .25	36 100 Fe Cubic Feet 650 1000 1270 1480 1700 1900	Feet long Feet of Head .04 .07 .10 .14 .17 .22	42 Cubic Feet 1150 1440 1730 2020 2300 2590	Feet of Head .038 .056 .081 .111 .14 .18