

Blue Brute | C900

PRESSURE-RATED PVC PIPE



MADE IN AMERICA



AWWA C900, CSA B137.3
ASTM D1784 Cell Class 12454
ANSI/NSF 61/14, UL 1285

GASKETS: ASTM F477

JOINTS: ASTM D3139

MARKETS



POTABLE



IRRIGATION



RECLAIM



SEWER

DESCRIPTION



BLUE BRUTE C900

Nominal Laying Length:

20 feet

(Laying length tolerances are in accordance with approval standards.)

PIPE SIZES

4" 6" 8" 10" 12"
14" 16" 18" 20" 24"
30" 36" 42" 48"

PIPE COLOR

BLUE

GREEN

PURPLE

WHITE

AWWA C900

305 psi	DR 14
235 psi	DR 18
200 psi	DR 21
165 psi	DR 25
125 psi	DR 32.5
100 psi	DR 41
80 psi	DR 51

NOTE: FM Approvals Pressure Class 185 psi for DR18 and 250 psi for DR14.

CSA B137.3

309 psi	DR 14
235 psi	DR 18
167 psi	DR 25



BENEFITS



50 YEAR
WARRANTY



INSTALLATION

- Field-cut with a power saw or handsaw; bevel without complicated machinery.
- Does not need lining, wrapping, coating, or cathodic protection to prevent galvanic corrosion

FEATURES

- Corrosion resistant, safe, long-lasting, and stable solution for a modern infrastructure.
- Consistency in carrying capacity (flow coefficient, C-150), for savings in pumping cost, and size of the pipe.

*50 year warranty only applicable to C900/Eagle Loc 900, C909, AWWA C901/C906. Check www.jmeagle.com/warranty for full details.

SUBMITTAL AND DATA SHEET

PIPE SIZE (IN)	AVG. O.D. (ID)	NOM. I.D. (IN)	MIN. T. (IN)	APPROX. E ¹	APPROX. E ²	APPROX. D ⁹	APPROX. WGT (LBS/FT)
PRESSURE CLASS: 305 psi (DR 14)							
PIPE STIFFNESS: 815 psi							
4	4.80	4.07	0.343	4.50	5.50	6.365	3.183
6	6.90	5.86	0.493	5.25	6.25	8.887	6.590
8	9.05	7.68	0.646	6.25	7.25	11.499	11.373
10	11.10	9.42	0.793	7.25	8.25	14.072	17.192
12	13.20	11.20	0.943	8.25	9.25	16.570	24.410
16	17.40	14.85	1.242	7.25	8.75	21.637	42.901
18	19.50	16.57	1.393	7.75	9.25	24.193	54.503
20	21.60	18.35	1.543	8.75	10.25	26.797	67.194
24	25.80	21.89	1.843	9.75	11.25	31.950	95.501
PRESSURE CLASS: 235 psi (DR 18)							
PIPE STIFFNESS: 364 psi							
4	4.80	4.23	0.267	4.50	5.50	6.204	2.520
6	6.90	6.09	0.383	5.25	6.25	8.654	5.208
8	9.05	7.98	0.503	6.25	7.25	11.195	9.006
10	11.10	9.79	0.617	7.25	8.25	13.699	13.605
12	13.20	11.65	0.733	8.25	9.25	16.125	19.299
14	15.30	13.50	0.850	6.25	8.00	18.603	26.133
16	17.40	15.35	0.967	7.25	8.75	21.135	33.959
18	19.50	17.20	1.083	7.75	9.25	23.832	42.722
20	21.60	19.06	1.200	8.75	10.25	26.107	52.687
24	25.80	22.76	1.433	9.75	11.25	31.089	75.781
30	32.00	28.23	1.778	11.50	13.50	38.264	116.601
36	38.30	33.83	2.128	13.25	15.25	40.198	168.442
42	44.50	39.30	2.473	15.50	17.50	46.609	229.995

SUBMITTAL AND DATA SHEET

PIPE SIZE (IN)	AVG. O.D. (ID)	NOM. I.D. (IN)	MIN. T. (IN)	APPROX. E ¹	APPROX. E ²	APPROX. D ⁹	APPROX. WGT (LBS/FT)
PRESSURE CLASS: 200 psi (DR 21)							
PIPE STIFFNESS: 224 psi							
14	15.30	13.75	0.729	6.50	8.00	18.347	22.772
16	17.40	15.64	0.829	7.25	8.75	20.097	29.328
18	19.50	17.53	0.929	7.75	9.25	23.505	36.943
20	21.60	19.42	1.029	8.75	10.25	25.744	45.574
24	25.80	23.19	1.229	9.75	11.25	30.656	65.498
30	32.00	28.77	1.524	11.50	13.50	37.725	100.678
36	38.30	34.43	1.824	13.25	15.25	44.753	145.427
42	44.50	40.05	2.119	15.50	17.50	46.213	198.604
PRESSURE CLASS: 165 psi (DR 25)							
PIPE STIFFNESS: 129 psi							
4	4.80	4.39	0.192	4.50	5.50	6.045	1.842
6	6.90	6.31	0.276	5.25	6.25	8.427	3.814
8	9.05	8.28	0.362	6.25	7.25	10.896	6.588
10	11.10	10.16	0.444	7.25	8.25	13.332	9.952
12	13.20	12.08	0.528	8.25	9.25	15.690	14.130
14	15.30	14.00	0.612	6.50	8.00	18.089	19.093
16	17.40	15.92	0.696	7.25	8.75	20.561	24.796
18	19.50	17.85	0.780	7.75	9.25	23.190	31.215
20	21.60	19.77	0.846	8.75	10.25	25.395	38.479
24	25.80	23.61	1.032	9.75	11.25	30.239	55.382
30	32.00	29.29	1.280	11.50	13.50	37.208	85.155
36	38.30	35.05	1.532	13.25	15.25	44.134	122.988
42	44.50	40.73	1.780	15.50	17.50	51.560	167.724
48*	50.80	46.49	2.032	16.50	18.50	58.393	219.722

SUBMITTAL AND DATA SHEET

PIPE SIZE (IN)	AVG. O.D. (ID)	NOM. I.D. (IN)	MIN. T. (IN)	APPROX. E ¹	APPROX. E ²	APPROX. D ³	APPROX. WGT (LBS/FT)
PRESSURE CLASS: 125 psi (DR 32.5)							
PIPE STIFFNESS: 67 psi							
14	15.30	14.30	0.471	6.50	8.00	17.799	14.819
16	17.40	16.27	0.535	7.25	8.75	20.219	19.223
18	19.50	18.23	0.600	7.75	9.25	22.808	24.214
20	21.60	20.10	0.665	8.75	10.25	24.973	29.862
24	25.80	24.12	0.794	9.75	11.25	29.734	42.963
30	32.00	29.91	0.985	11.50	13.50	36.582	66.082
36	38.30	35.80	1.178	13.25	15.25	43.383	95.370
42	44.50	41.62	1.369	15.50	17.50	50.814	130.045
48	50.80	47.49	1.563	16.50	18.50	57.399	169.490
PRESSURE CLASS 100: psi (DR 41)							
PIPE STIFFNESS: 28 psi							
14	15.30	14.52	0.373	6.50	8.00	17.599	11.805
16	17.40	16.51	0.424	7.25	8.75	19.992	15.322
18	19.50	18.50	0.476	7.75	9.25	22.555	19.333
20	21.60	20.49	0.527	8.75	10.25	24.691	23.802
24	25.80	24.48	0.629	9.75	11.25	29.397	34.228
30	32.00	30.35	0.780	11.50	13.50	36.163	52.632
36	38.30	36.30	0.934	13.25	15.25	42.885	76.028
42	44.50	42.18	1.085	15.50	17.50	50.108	103.646
48	50.80	48.14	1.239	16.50	18.50	44.753	135.801
PRESSURE CLASS: 80 psi (DR 51)							
PIPE STIFFNESS: 14 psi							
30	32.00	30.35	0.627	11.50	13.50	35.836	42.492
36	38.30	36.30	0.751	13.25	15.25	42.478	61.389
42	44.50	42.18	0.872	15.50	17.50	49.652	83.644
48	50.80	48.14	0.996	16.50	18.50	56.217	109.614

PRODUCT STANDARD

ANSI/AWWA C900

CSA DR14*, DR18*,
B137.3* DR25* (4"-24")*

INTEGRAL BELL JOINT

ASTM D3139

Manning Coefficient (n) = 0.009
Hazen-Williams Coefficient (c) = 150

NOMINAL LAYING LENGTH

20 feet

(Laying length tolerances are in accordance with AWWA and ASTM standards.)

PIPE COMPOUND

ASTM D1784 Cell Class 12454

GASKET

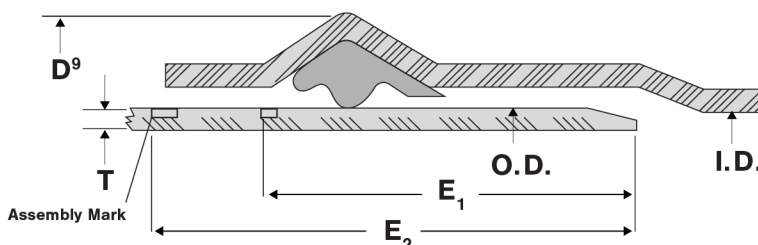
ASTM F477

CERTIFICATION

ANSI/NSF 61
ANSI/NSF 14
UL1285 (DR 14,18,25, up to 24")
FM 1612* (DR 14/DR 18; 4-12")
CSA B137.3* (DR14,18,25; 4-24")

INSTALLATION

JM Eagle™ Ultra Blue Brute
Installation Guide



I.D. - Inside Diameter

O.D. - Outside Diameter

T - Wall Thickness

D⁹ - Bell Outside Diameter

E₁ - Distance between
1st Insertion/Assembly Mark
to the end of the spigot.

E₂ - Distance between
2nd Insertion/Assembly Mark
to the end of the spigot.

