

Eagle Loc900

PRESSURE-RATED PVC PIPE INTERNAL RESTRAINED JOINT



DELIVERING GOOD WATER TO YOU



AWWA C900 PIPE UL 1285 LISTED
FM 1612, ASTM D1784 Cell Class 12454
ANSI/NSF 61

MARKETS



Potable



Irrigation



Reclaim



Sewer

DESCRIPTION



Available Pipe Sizes (CIOD)

4", 6", 8", 10", 12", 14", 16", 18", 20", 24"

Nominal Laying Length: 20 feet *(Laying length tolerances are in accordance with approval standards)*

Color: Blue Green Purple White

Eagle Loc 900™ Restraining Technology

Standard Rieber Gasket

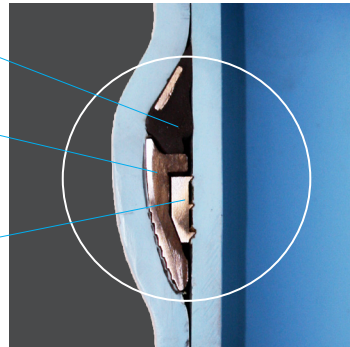
Properly sized Rieber seal tolerates dimensional variation and deflection.

Metallic Restraint Casing

Traction is applied along the surface not through wall thickness. Casing steps engage at a low stress region and without reducing wall thickness.

Metallic Restraining Ring

Traction is applied along the surface with minimal penetration through wall thickness. Grip teeth engage progressively as load increases.



AWWA C900

305 psi	DR 14
235 psi	DR 18
165 psi	DR 25

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

BENEFITS

INSTALLATION

Feasible for multiple application: open-trench and road bore.

Easy installation: simple push-on assembly.

Field-cut with a power saw or handsaw; bevel without complicated machinery.

Eagle insertion stop prevents over-belling/over-insertions.

FEATURES

Unaffected by corrosive elements: sewer gas, sulfuric acid, alkaline, or acidic soils.

Consistency in carrying capacity (flow coefficient, C=150), for savings in pumping and size of pipe.

Does not need lining wrapping, coating or cathodic protection to prevent galvanic corrosion.



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SUBMITTAL AND DATA SHEET

PIPE SIZE (IN)	AVERAGE O.D. (IN)	NOM. I.D. (IN)	MIN. T. (IN)	MIN. E ₁ (IN)	MIN. E ₂ (IN)	APPROX. D ⁹ (IN)	APPROX. WGT (LBS/FT)
PRESSURE CLASS 305 psi (DR 14)							
4	4.80	4.072	0.343	4.50	5.50	6.341	3.20
6	6.90	5.854	0.493	5.25	6.25	8.846	6.70
8	9.05	7.680	0.646	6.25	7.25	11.491	11.60
10	11.10	9.418	0.793	7.50	8.50	14.059	17.60
12	13.20	11.200	0.943	8.25	9.25	16.573	25.10
PRESSURE CLASS 235 psi (DR 18)							
4	4.80	4.233	0.267	4.50	5.50	6.780	2.60
6	6.90	6.088	0.383	5.25	6.25	8.613	5.30
8	9.05	7.983	0.503	6.25	7.25	11.187	9.20
10	11.10	9.791	0.617	7.50	8.50	13.686	13.90
12	13.20	11.646	0.733	8.25	9.25	16.128	19.70
14	15.30	13.498	0.850	8.50	10.00	18.464	26.75
16	17.40	15.349	0.967	9.50	11.00	20.934	34.86
18	19.50	17.204	1.083	10.75	12.25	23.436	43.95
20	21.60	19.056	1.200	12.00	13.50	25.991	54.22
24	25.80	22.762	1.433	15.25	16.75	30.884	78.46
PRESSURE CLASS 165 psi (DR 25)							
14	15.30	14.002	0.612	8.50	10.00	17.959	19.29
16	17.40	15.924	0.696	9.50	11.00	20.360	25.38
18	19.50	17.846	0.780	10.75	12.25	22.694	31.99
20	21.60	19.768	0.864	12.00	13.50	25.279	39.46
24	25.80	23.612	1.032	15.25	16.75	30.034	56.98

Product Standard: AWWA C900-16 Pipe UL 1285 Listed

Pipe Compound: ASTM D1784 Cell Class 12454

Certifications: ANSI/NSF 61,

FM 1612 (DR 14, 18, 4"-12")

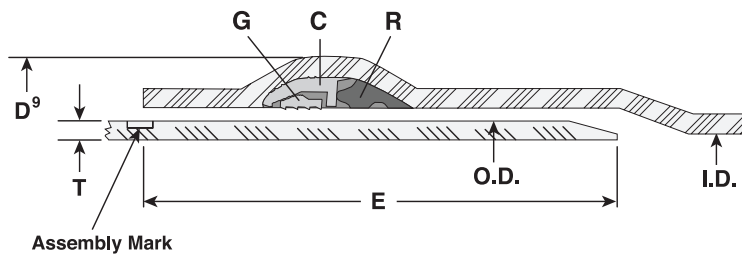
Nominal Laying Length: 20 feet

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Installation: JM Eagle™ Eagle Loc 900 Installation Guide

Manning Coefficient (n) = 0.009

Hazen-Williams Coefficient (c) = 150



I.D.: Inside Diameter

O.D.: Outside Diameter

E: Distance between Assembly Mark and the end of the spigot.

R: Reiber Gasket

G: Grip Ring

C: Casing

T: Wall Thickness

D⁹: Bell Outside Diameter

