



## **EAGLE LOC900**

**PRESSURE-RATED PVC PIPE  
INTERNAL RESTRAINED JOINT**

[Product One Sheet >](#)

# Eagle Loc900

PRESSURE-RATED PVC PIPE INTERNAL RESTRAINED JOINT



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

## MARKETS



POTABLE



IRRIGATION



RECLAIM



SEWER

## DESCRIPTION



### EAGLE LOC900

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"

### PIPE COLOR

BLUE

GREEN

PURPLE

WHITE

### EAGLE LOC 900™ RESTRAINING TECHNOLOGY

#### 1 Standard Rieber Gasket

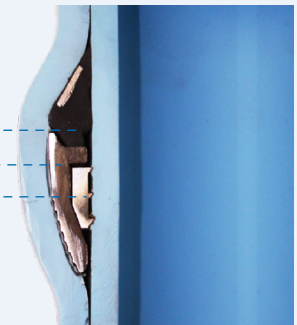
Properly sized Rieber® seal tolerates dimensional variation and deflection.

#### 2 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.

#### 3 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 applications: 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.



\*50 year warranty only applicable to C900/Eagle Loc 900, C909, AWWA C901/C906. Check [www.jmeagle.com/warranty](http://www.jmeagle.com/warranty) for full details.

### SUBMITTAL AND DATA SHEET

PIPE SIZE (IN)	AVG. O.D. (IN)	NOM. I.D. (IN)	MIN. T. (IN)	APPROX. E <sup>1</sup>	APPROX. E <sup>2</sup>	APPROX. D <sup>9</sup>	APPROX. WGT (LBS/FT)
PRESSURE CLASS: 305 psi (DR 14)							
PIPE STIFFNESS: 815 psi							
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	7.25	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)							
PIPE STIFFNESS: 364 psi							
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	7.25	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	7.25	11.00	20.934	34.86
18	19.50	17.204	1.083	10.76	12.25	23.436	48.95
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)							
PIPE STIFFNESS: 129 psi							
14	15.30	14.002	0.612	8.50	10.00	17.959	19.29
16	17.40	15.924	0.696	7.25	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 Pipe UL 1285 Listed

#### PIPE COMPOUND

ASTM D1784 Cell Class 12454

#### CERTIFICATION

ANSI/NSF 61,  
FM 1612 (DR 14, 18, 4"-12")

#### INSTALLATION

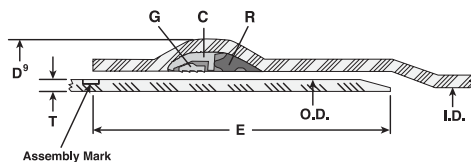
JM Eagle™ Eagle Loc 900  
Installation Guide

#### NOMINAL LAYING LENGTH

**20 feet**

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

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



I.D. - Inside Diameter  
O.D. - Outside Diameter  
T - Wall Thickness  
D<sup>9</sup> - Bell Outside Diameter

R - Reiber Gasket  
G - Grip Ring  
C - Casing

E - Distance between Assembly Marks and the end of the spigot.

