



# Cam-Lock™

## For PVC Pipe

COLOR CODED RED FOR PVC PIPE Patents US 7484775, US 7748100, CA 2511782

# 120

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UL Listed in AWWA C900 Class 150 DR18 PVC pressure pipe 4"-12".



FM Approved for sizes 4"-12" on AWWA C900 Class DR18 PVC pipe at 150 psi.



### Description:

Cam-Locks are wedges in a pivoting linkage used to lock a fitting onto a piece of pipe. As wedges are tightened down in the installation, specially designed "breakaway" nuts twist off, leaving the restraint permanently engaged with the pipe.

### Application:

Restraining pipe ends on mechanical joint fittings. A mechanical joint joins pipes or fittings together by the use of lugs and bolts.

### Key Features:

- Fewer wedges for time saving installations
- Lower torque requirement to fully actuate bolts
- Multi-Seal MJ Gasket available in 4"-12" PVC
- Corrosion resistant
- Secondary hex shank for easy removal and re-installation
- The 120 Cam-Locks have been tested without failure according to ASTM F 1674-05 on sizes 4"-12" DR 18 PC 150 pipe, conforming to the requirements of AWWA C900

### Materials Specifications (subject to change):

GLAND: 65-45-12 Ductile Iron (ASTM A536)

WEDGES: Single Tooth Ductile Iron

ACTUATING BOLTS: 60-40-18 Ductile Iron (ASTM A536)

BREAKAWAY NUTS: Carbon Steel

FINISH: Gland is Flexi-Coat® Epoxy per AWWA C213. Wedges and Actuating Bolts are E-coated Epoxy

### Kit Specifications:

GASKET: Standard Mechanical Joint per ANSI/AWWA C111/A21.11 SBR, Multi-Seal Gasket, or MJ transition gasket for Steel/IPS ODs

T-BOLTS: High strength, low alloy. *Optional: 304 Stainless Steel, flouropolymer coated.*

### Pipe Applications: PVC

**Sizes (In Inches):** 3, 4, 6, 8, 10, 12, 14, 16, 18, 20, 24, 30, 36

**Pressure Ratings:** Rated at the pressure rating of PVC pipe it is used on.

**Deflection:** 3° on 3", 5° on 4"-12", 2° on 14"-16", 1 ½° on 18"-24", 1° on 30"-48"



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## For PVC Pipe

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### For MJ Fittings on PVC Pipe—with a kit—Boxed

| NOMINAL<br>SIZE<br>INCHES | PIPE O.D.<br>INCHES | NO. OF<br>WEDGES | WITH D.I. GASKET, NUTS,<br>AND BOLTS |                  | PIPE O.D.<br>INCHES | WITH IPS GASKET, NUTS<br>AND BOLTS |                  |
|---------------------------|---------------------|------------------|--------------------------------------|------------------|---------------------|------------------------------------|------------------|
|                           |                     |                  | CATALOG NUMBER<br>BOXED              | WT. EACH<br>LBS. |                     | CATALOG NUMBER<br>BOXED            | WT. EACH<br>LBS. |
| 3                         | -                   | 2                | -                                    | -                | 3.5                 | 120-03500000-001                   | 11               |
| 4                         | 4.8                 | 2                | 120-04800000-000                     | 12.2             | 4.5                 | 120-04800000-001                   | 12.2             |
| 6                         | 6.9                 | 3                | 120-06900000-000                     | 18.3             | 6.63                | 120-06900000-001                   | 18.3             |
| 8                         | 9.05                | 3                | 120-09050000-000                     | 20.8             | 8.63                | 120-09050000-001                   | 20.8             |
| 10                        | 11.1                | 6                | 120-11100000-000                     | 33.4             | 10.75               | 120-11100000-001                   | 33.4             |
| 12                        | 13.2                | 8                | 120-13200000-000                     | 42               | 12.75               | 120-13200000-001                   | 42               |
| 14*                       | 15.3                | 10               | 120-15300000-000                     | 55.4             |                     |                                    |                  |
| 16*                       | 17.4                | 12               | 120-17400000-000                     | 68.4             |                     |                                    |                  |
| 18*                       | 19.5                | 12               | 120-19500000-000                     | 74.8             |                     |                                    |                  |
| 20*                       | 21.6                | 14               | 120-21600000-000                     | 86.9             |                     |                                    |                  |
| 24*                       | 25.8                | 16               | 120-25800000-000                     | 109.8            |                     |                                    |                  |
| 30*                       | 32                  | 20               | 120-32000000-000                     | 291              |                     |                                    |                  |
| 36*                       | 38.3                | 24               | 120-38300000-000                     | 370.1            |                     |                                    |                  |

\*Note: 14"-36" only gaskets and hardware are boxed.

### For MJ Fittings on PVC Pipe—without a kit

| NOMINAL<br>SIZE<br>INCHES | PIPE O.D.<br>WEDGES | NO. OF<br>WEDGES | WITHOUT GASKET, NUTS AND BOLTS |                  |
|---------------------------|---------------------|------------------|--------------------------------|------------------|
|                           |                     |                  | CATALOG NUMBER<br>UN-BOXED     | WT. EACH<br>LBS. |
| 3                         | 3.50                | 2                | 120-03500001-900               | 7.00             |
| 4                         | 4.50-4.80           | 2                | 120-04800001-900               | 8.30             |
| 6                         | 6.63-6.90           | 3                | 120-06900001-900               | 12.40            |
| 8                         | 8.63-9.05           | 3                | 120-09050001-900               | 14.90            |
| 10                        | 10.75-11.10         | 6                | 120-11100001-900               | 25.70            |
| 12                        | 12.75-13.20         | 8                | 120-13200001-900               | 34.10            |
| 14                        | 15.30               | 10               | 120-15300001-900               | 45.10            |
| 16                        | 17.40               | 12               | 120-17400001-900               | 56.20            |
| 18                        | 19.50               | 12               | 120-19500001-900               | 62.40            |
| 20                        | 21.60               | 14               | 120-21600001-900               | 72.90            |
| 24                        | 25.80               | 16               | 120-25800001-900               | 93.20            |

## For MJ Fittings on PVC Pipe—without a kit—Boxed

| NOMINAL<br>SIZE<br>INCHES | PIPE O.D.<br>INCHES | NO. OF<br>WEDGES | WITHOUT GASKET, NUTS, AND BOLTS |                  |
|---------------------------|---------------------|------------------|---------------------------------|------------------|
|                           |                     |                  | CATALOG NUMBER<br>BOXED         | WT. EACH<br>LBS. |
| 3                         | 3.50                | 2                | 120-03500001-000                | 7.00             |
| 4                         | 4.50-4.80           | 2                | 120-04800001-000                | 8.30             |
| 6                         | 6.63-6.90           | 3                | 120-06900001-000                | 12.40            |
| 8                         | 8.63-9.05           | 3                | 120-09050001-000                | 14.90            |
| 10                        | 10.75-11.10         | 6                | 120-11100001-000                | 25.70            |
| 12                        | 12.75-13.20         | 8                | 120-13200001-000                | 34.10            |

Suitable Cam-Lock applications for PVC are limited to SDR 26 or heavier wall pipe, as defined by ASTM D224.

## Skid Quantity and Weight

| NOMINAL<br>SIZE INCHES                                          | SKID<br>QUANTITY | APPROX.<br>WEIGHT |
|-----------------------------------------------------------------|------------------|-------------------|
| 4                                                               | 240              | 1650              |
| 6                                                               | 144              | 1760              |
| 8                                                               | 108              | 1778              |
| 10                                                              | 72               | 1333              |
| 12                                                              | 48               | 1650              |
| 14                                                              | 48               | 2231              |
| 16                                                              | 36               | 2089              |
| 18                                                              | 24               | 1564              |
| 20                                                              | 24               | 1936              |
| 24                                                              | 12               | 1184              |
| 30                                                              | 1                | 300               |
| 36                                                              | 1                | 385               |
| Applies to both boxed and un-boxed<br>Cam-Lock Joint Restraints |                  |                   |