

# JCM

## JCM 105 Collar Leak Clamps JCM 135 All Stainless Collar Leak Clamps



**For Quick, Permanent  
repairs of solvent weld PVC joints.**

**Eliminates the need of removing  
or replacing joints.**

JCM Collar Leak Clamps provide a simple, quick solution to troublesome leaks in PVC solvent weld pipe systems - without having to cut out fittings or modify your system. These heavy duty clamps have many features which assure a successful repair, even under the most adverse conditions.

### **REPAIRS**

- 160 & 200 Bell End Pipe
- Schedule 40 Bell End Pipe
- Schedule 40 Couplings
- Threaded Couplings

**THICK, LAP TYPE, GRIDDED GASKET** - provides generous take up to accommodate deflected joints, surface flaws in pipe and fittings, and molded projections. Lap joint eliminates problems usually encountered with butt joint or finger type gaskets.

**LOW PROFILE FINGER LUGS** - provide proper bolt alignment to assure easy bolt installation, prevent lug rotation and transmit sealing pressure throughout wide range of the clamp.

**WIDE RANGE AND VERSATILITY** - provided by thick, lap type gasket and low profile lugs - permits most sizes of clamps to be used for more than one type of repair.

**DROP IN BOLTS IN ALL SIZES** - eliminates loose parts and simplifies installation of clamps. Large bolts provide sealing power to seal high pressure leaks under adverse conditions.

**RUGGED CONSTRUCTION THROUGHOUT** - typified by the stainless welds in the lug to band attachment and the heavy recessed bridge plate, eliminate installation problems common to weaker clamps such as band pull out and buckled bridge plates.

**SPECIAL SIZES, LONG LENGTHS AND STAINLESS STEEL BOLTS READILY AVAILABLE**

# JCM 105 and 135 Collar Leak Clamps

## Material Specifications

**Band:** Stainless Steel Type 304

**Lugs:** Model 105 - Low Profile, Ductile Iron ASTM A 536. Model 135 - Stainless Steel CF8 Cast equivalent to 18-8 Type 304 Stainless Steel.

**Gasket:** Compounded for water, salt solutions, mild acids, bases and sewage.

**Fasteners:** Model 105 - corrosion resistant, high strength low alloy bolts and nuts (AWWA C-111, ANSI 21.11), optional stainless steel available. Model 135 - Stainless Steel Type 304 bolts, nuts and washers.



## How To Order

- |   |   |   |
|---|---|---|
| 1. Determine O.D. of pipe.                        | 3. Specify clamp number. For all stainless clamp, change model number to 135. | EXAMPLE:<br>For 3" Class 160 PVC pipe, 6" wide, order: 105-0350-6.<br>For All Stainless Clamp, order: 135-0350-6. |
| 2. Select proper clamp O.D. range and band width. |   |   |

NOM. PIPE SIZE (IN.)	PIPE O.D. SIZE (IN.)	TYPE OF SOLVENT WELD PIPE JOINT	CLAMP WIDTH*	105 CLAMP NUMBER	APPR WT. EACH (LBS.)	135 ALL STAINLESS CLAMP	APPR WT. EACH (LBS.)
2	2.38	BELL END CLASS 160, 200 SCH 40 COUPLING AND BELL END	6	105-0238-6	7.3	135-0238-6	5.3
			7	105-0238-7	9.3	135-0238-7	6
2-1/2	2.88	BELL END CLASS 160, 200 SCH 40 COUPLING AND BELL END	6	105-0288-6	7.7	135-0288-6	5.7
			7	105-0288-7	9.9	135-0288-7	6
3	3.50	BELL END CLASS 160, 200 SCH 40 COUPLING AND BELL END	6	105-0350-6	8.0	135-0350-6	6
			7	105-0350-7	10	135-0350-7	7
4	4.50	BELL END CLASS 160, 200 SCH 40 COUPLING AND BELL END	6	105-0450-6	9.1	135-0450-6	6
			7	105-0450-7	11	135-0450-7	7
5	5.56	BELL END CLASS 160, 200 SCH 40 COUPLING AND BELL END	6	105-0556-6	9.4	135-0556-6	6.5
			7	105-0556-7	11	135-0556-7	7
6	6.63	BELL END CLASS 160, 200 SCH 40 COUPLING AND BELL END	6	105-0663-6	10	135-0663-6	7.5
			7	105-0663-7	12	135-0663-7	8.5
8	8.63	BELL END CLASS 160, 200 SCH 40 COUPLING AND BELL END	6	105-0863-6	11	135-0863-6	8.7
			7	105-0863-7	13	135-0863-7	9.5

\*OTHER WIDTHS AVAILABLE UPON REQUEST

## 105 COLLAR LEAK CLAMP FOR PLASTIC IRRIGATION PIPE

NOMINAL PIPE SIZE (IN.)	PIPE O.D. SIZE (IN.)	CLAMP WIDTH (IN.)*	FOR PIPE WALL THICKNESS	CLAMP NUMBER	APPR. WT. EA. (LBS.)
4	4.125	6	.125	105-0413-6	9.1
6	6.140	6	.150	105-0614-6	9.8
8	8.160	6	.199	105-0816-6	10.7
10	10.200	6	.249	105-1020-6	14.1
12	12.240	6	.290	105-1224-6	14.9
15	15.300	6	.375	105-1530-6	18.0

\*OTHER WIDTHS AVAILABLE UPON REQUEST

**JCM Industries, Inc.**  
P. O. Box 1220, Nash, Texas 75569-1220  
Call Toll Free: 800-527-8482 or 903-832-2581  
Fax Toll Free: 800-874-9524 or 903-838-6260  
[www.jcmindustries.com](http://www.jcmindustries.com)

Brochure No. 105-0302



## JCM 105 and 135 Collar Leak Clamp Installation Instructions

### CLAMPS WITH STANDARD STRAIGHT GASKET

Pipe with a wall thickness of  $5/32$ " or less are best repaired with a **JCM Universal Clamp Coupling** with a standard straight extra thick gasket. To install:

- Clean pipe and place reference mark on pipe, back from joint to help center clamp over joint.
- Place clamp on pipe and center over joint, using the reference marks.
- Tuck tapered gasket in place, mesh finger lugs and rotate clamp in direction of arrow, shown on clamp label, to smooth gasket flap.
- Engage bolts and tighten finger tight to hold in place. Tighten bolts evenly until band conforms to joint and forms a tight seal. (Approximately 30 - 40 Ft/Lbs of torque.)

### CLAMPS WITH STEP GASKET

Pipe and coupling joints with a wall thickness greater than  $5/32$ " and less than  $5/16$ " are best repaired with a **JCM Collar Leak Clamp** utilizing an extra thickness of gasket on one end. To install:

- Clean pipe and place clamp on joint with the extra thick portion of the gasket on the smaller diameter portion of the joint.
- Carefully tuck tapered gasket in place, mesh finger lugs and rotate clamp in direction of area, shown on clamp label, to smoother gasket flap.
- Before tightening - PUSH CLAMP COMPLETELY UP AGAINST JOINT STEP to assure proper positioning.
- Engage bolts and tighten finger tight to hold in place. Tighten bolts evenly until clamp is tight or leak is stopped. (Approximately 40 - 50 Ft/Lbs of torque.)

