

## JCM All Stainless Steel Tapped Outlet Repair Clamps - 133, 134

All Models of JCM Universal Clamp Couplings are available with tapped outlets for repair of direct tap pull outs and broken or split pipe requiring a service outlet.

### How To Order

1. Select standard model, size and width clamp to fit pipe.	3. Select size and type of tapped outlet from outlet guide below. Note minimum widths and sizes.	<b>Ordering Example:</b>  For standard clamp to fit 6" Cast Iron Pipe with 12" width, with 2" IP outlet, order:  103-0690-12 x 14IP
2. Change model number to corresponding Tapped Outlet Clamp Model Number.	4. Add Outlet Tap Code to clamp number.	

Standard Clamp Model	Becomes	Tapped Outlet Clamp Model
101 Universal Clamp Coupling - Standard Range 102 Universal Clamp Coupling - Extended Range 131 All Stainless Steel UCC - Std Range 132 All Stainless Steel UCC - Extd Range 121 Gas Repair Clamp 151 Gas Repair Clamp		103 Tapped Universal Clamp Coupling - Standard Range 104 Tapped Universal Clamp Coupling - Extended Range 133 Tapped All Stainless Steel UCC - Std Range 134 Tapped All Stainless Steel UCC - Extd Range 123 Tapped Gas Service Clamp 153 Tapped All Stainless Steel Gas Service Clamp

CLAMP SIZES	MINIMUM CLAMP LENGTH	TYPE OF THREAD	TAP SIZE	ADD OUTLET TAP CODE	
				IP ORDER TAP CODE	CC ORDER TAP CODE
2.38 - 4.80	6"	IP or CC	3/4"	06	07
			1"	08	09
2.38 - 14.00	7-1/2"	IP or CC	3/4"	06	07
			1"	08	09
4.50 - 14.00	12"	IP or CC	1-1/4"	10	11
4.50 - 14.00	12"	IP or CC	1/12"	12	13
4.50 - 14.00	12"	IP	2"	14	-
4.50 - 14.00	12"	CC	2"	-	15





## **JCM 133 and 134 Tapped All Stainless Steel Universal Clamp Couplings Typical Specifications**

### **JCM 133 & 134 All Stainless Steel Tapped Repair Clamps**

All full circumferential repair clamps 2" and larger, shall have a minimum material standard of prime 304 stainless steel band, bolts, nuts and washers; the lugs shall be CF-8 Cast Stainless Steel - equivalent to 18-8 type 304 stainless steel; the low profile stainless lugs shall have mutually supporting sliding fingers and replaceable, self aligning stainless steel bolts with an oval neck; and a gridded gasket with tapered lap joint ends and a 304 stainless steel quarter hardened bridge plate molded flush into the gasket. Gaskets in sizes 3" and larger shall be 1/4" thick. To provide extra tightening capability, the band shall have a positive attachment to the lugs by TIG weld process. The stainless steel outlet shall be attached to the band by TIG weld process. Clamps shall be JCM 133, 134 All Stainless Tapped Universal Clamp Coupling or equal.

JCM 130 Series Universal Clamp Couplings are ANSI/NSF Standard 61 Certified.



**JCM All Stainless Steel  
Universal Clamp Couplings  
Material Specifications**

**JCM All Stainless Steel Universal Clamp Couplings - 131, 132, 133, 134**

**BAND:** 18-8 Type 304 Stainless Steel

**LUGS:** CF-8 Cast Stainless Steel (equivalent to 18-8 Type 304 Stainless Steel)

**BOLTS:** 18-8 Type 304 Stainless Steel

**GASKET:** Compounded for use with water salt solutions, mild acids bases and sewage.  
Other gaskets available upon request.

**TAPPED OUTLET** (Models 133, 134): 18-8 Type 304 Stainless Steel



## JCM Stainless Steel Universal Clamp Couplings Installation Instructions Models 131, 132, 133, 134

### 131 STANDARD RANGE UNIVERSAL CLAMP COUPLING

- Clean pipe and place reference mark on pipe, back from break, to help in centering clamp over joint or damaged area.
- Place clamp on pipe and center over damaged area.
- Tuck tapered gasket in place, mesh finger lugs and rotate clamp in direction of arrow to smooth tapered gasket flap.
- Engage bolts and tighten finger tight to hold in place. Tighten bolts evenly to the following torque values:

<u>NOMINAL PIPE SIZE</u>	<u>RECOMMENDED TORQUE</u>
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8" & Smaller	70 Ft/Lbs
10" & Larger	90 Ft/Lbs

### 132 EXTENDED RANGE UNIVERSAL CLAMP COUPLING

- Clean pipe and place reference mark on pipe, back from break, to help in centering clamp over joint or damaged area.
- Place clamp half without bolts on pipe so that gasket flap is on top facing you.
- Take half with bolts and turn gasket side up so that bolts slide back out of the way of fingers. Feed bottom tapered gasket end into place, mesh top lug fingers and engage top bolts.
- Rotate clamp in direction of arrow to smooth gasket flaps. Engage remaining bolts and tighten all bolts evenly to the recommended torque values.

Note: Gaps between lugs should be approximately even on both sides.

### INSTALLATION "TRICKS OF THE TRADE"

Years of field experience, special applications and product testing have revealed many subtleties regarding application and installation of repair clamps. For maximum performance under adverse conditions take advantage of the *"tricks of the trade"*.

- Always clean and lubricate pipe with water or soap and water. It helps to overcome friction. Do not use pipe lubricant.
- Place a reference mark on pipe back from break to help in centering clamp over break.
- Where break involves deflected pipe, use "long" width clamp. Lugs will articulate, permitting clamp to better conform to pipe.
- Place stainless or galvanized metal over large holes (under repair clamp) to provide gasket something to seal against.
- Drill ends of split to relieve forces which could cause split to grow.
- Clamp performance drops when gap between pipe ends is larger than 1/2". Use spacer to fill gap or metal to place over gap.
- Leaving enough pressure on broken line to prevent intrusion of foreign matter will help prevent line contamination.
- With pressure reduced, spraying water will cease as soon as water level rises above break.
- Lubricating clamp bolts will ease clamp installation and assure proper torquing of bolts.

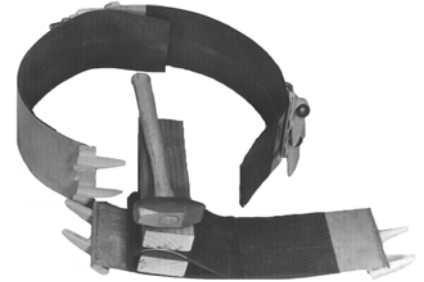


## JCM Stainless Steel Universal Clamp Couplings Installation Instructions Models 131, 132, 133, 134

### MAKING LARGER CLAMP FROM SMALLER CLAMPS

Longer than normal gasket tapers permit joining of Universal Clamp Couplings of like width and type to make a larger clamp. For instance, a 6" and 8" clamp can be joined to make a 14" clamp. This provides you with "on hand" capability to make repairs on larger pipe sizes throughout your system.

- Determine which clamps are available to make needed clamp, usually 2 or 3 clamps are sufficient. It is recommended that clamps to be joined be not more than one nominal size apart. Join clamps with ranges that when combined include O.D. of pipe to be repaired. For EXAMPLE: Required is 14" clamp to fit 16.44 O.D. Combining a 131-0905-12 (Range 8.99 to 9.39) and a 131-0690-12 (Range 6.84 to 7.25) you make a clamp with a range of 15.84 - 16.64.
- Prior to joining clamps, reduce the curvature of the recessed bridge plate (as shown in photo) to slightly less than curvature of pipe to be repaired. This is done by laying bridge plate between two 2" x 4" 's and hitting with small sledge hammer.
- Install as multi-band clamp making sure to tighten bolts evenly keeping gaps between lugs approximately even.



### WIDTH SELECTION - 131 & 132 UNIVERSAL CLAMP COUPLINGS

JCM Universal Clamp Couplings are available in a great many widths. Because these clamps utilize a heavier gasket and bolting arrangement than most comparable clamps, when you use JCM Universal Clamp Couplings significant savings are possible. The following general recommendations are offered to assist you in taking advantage of the design benefits of these clamps. Specific circumstance may require widths other than these general recommendations.

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|---------------------------------------|---|
| 6" Width:                             | Best and most economical width to repair most beam breaks and to connect pipe in sizes 4" and smaller. Short length with thicker gasket give outstanding deflection capability. Recommend 2" of gasket on both sides of the break.  |
| 7-1/2" Width:                         | Best for Asbestos Cement coupling replacements, beam breaks and connection of pipe in sizes 6" and larger.  |
| 12" Width:                            | Best for longer breaks, repairs on working pressure above 150 PSI and for larger sizes of pipe.   |
| 15, 18, 24, 30"<br>and longer widths: | Best for long splits and heavily damaged pipe. For best performance the separation between pipe ends should be no more than 1/2". If the space is larger, or a large hole is being repaired, use a sheet of stainless steel over the hole under the gasket or a spacer to fill gap between pipe ends. |

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