



# JCM Industries, Inc.

**Fittings & Fabrications  
for Repair - Connection - Branching  
All Types and Sizes of Pipe**

JCM Industries, Inc.  
P.O. Box 1220 - Nash, TX 75569-1220  
Office: 903-832-2581, Fax: 903-838-6260  
www.jcmindustries.com

Call Toll Free: 800-527-8482  
Fax Toll Free: 800-874-9524  
Email: sales@jcmindustries.com

## JCM 112 and 113 Heavy Duty Patch Clamps

Heavy Duty Patch Clamps provide fast, permanent repair of pin holes, punctures or splits in steel and other types of pipe where a beam break is not involved. The clamps are readily available for all sizes of pipe 1-1/2" and larger.

- Robust Lug System (Ductile Iron or 304/316 Stainless Steel)
- Heavy, Swing In Bolts - No Loose Parts
- Thick Stainless Steel Band (304 or 316 available)
- 1/4" Thick Gridded Gasket
- Easy Installation
- Especially recommended for isolated damage on large diameter pipe.



### 112 & 113 MATERIAL SPECIFICATIONS

**Lug:** Ductile Iron ASTM A536. Options: 304 or 316 Stainless Steel

**Band:** 18-8 Type 304 Stainless Steel. Option: 316 Stainless Steel

**Gasket:** Gridded gasket is compounded for use with water, salt solutions, mild acids and bases.  
Optional Buna-N gasket available.

**Bolts/Nuts:** Corrosion resistant, high strength low alloy per ASTM A242 (AWWA C-111, ANSI A21.11). Optional Stainless Steel, 18-8 Type 304 available or 316



Suitable for pin holes, corrosion areas, small splits, holes and other pipe damage.



**JCM 112 Heavy Duty Patch Clamps** - 1-1/2" and larger shall have a minimum material standard of certifiable prime 304 Stainless Steel band; heavy duty, low profile Ductile Iron Lugs per ASTM A536 with mutually supporting sliding fingers; 5/8" corrosion resistant alloy bolts, per ASTM A242/ANSI 21.11/AWWA C-111, and a Styrene-Butadiene Rubber (SBR) gridded gasket. To provide extra tightening capability, the band shall be permanently attached to the lugs by crimping the lug and locking it in place with a minimum of three stainless welds per lug.



**JCM 113 Multi-band Heavy Duty Patch Clamps** - 10" and larger shall have a minimum material of 17 gauge certifiable prime 304 Stainless Steel band; heavy duty Ductile Iron Lugs per ASTM A536 with mutually supporting sliding fingers; 3/4" corrosion resistant alloy bolts, per ASTM A242/ANSI 21.11/AWWA C-111, and a 1/4" thick Styrene-Butadiene Rubber (SBR) gridded gasket. To provide extra tightening capability, the bands shall be permanently attached to the lugs. The attachment shall withstand a minimum of 100 ft. lbs. of torque per bolt.

**HOW TO ORDER**

1. Determine O.D. of pipe.
2. Select proper clamp O.D. range and width.
3. Determine Model Number. Model 112 for standard clamp, 113 for large diameter clamp.
4. Specify clamp number.

Example: To fit steel pipe, 6.63 O.D. with 6" width, order: 112-0663-6

**112 Heavy Duty Patch Clamps**

NOM PIPE SIZE (IN)	CLAMP O.D. RANGE (IN)	CLAMP NUMBER	WIDTH (IN)	WT EA (LBS)
1-1/2	1.90 - 2.00	112-0190-6	6	6
		112-0190-12	12	12
2	2.38 - 2.50	112-0238-6	6	6
		112-0238-12	12	12
2-1/2	2.88 - 3.00	112-0288-6	6	6
		112-0288-12	12	12
3	3.50 - 3.88	112-0350-6	6	6
		112-0350-12	12	13
3-1/2	4.00 - 4.35	112-0400-6	6	7
		112-0400-12	12	14
4	4.50 - 4.85	112-0450-6	6	8
		112-0450-12	12	15
5	5.56 - 6.00	112-0556-6	6	8
		112-0556-12	12	15
6	6.63 - 6.90	112-0663-6	6	8
		112-0663-12	12	16
8	8.63 - 9.05	112-0863-6	6	8
		112-0863-12	12	17
10	10.00 - 10.30	112-1000-6	6	9
	10.75 - 11.10	112-1075-6	6	9
12	12.00 - 12.30	112-1200-6	6	9
	12.75 - 13.05	112-1275-6	6	10
		112-1275-12	12	20

**113 Multi-band Patch Clamps**

NOM PIPE SIZE (IN)	CLAMP O.D. RANGE (IN)	CLAMP NUMBER	WIDTH (IN)	WT EA (LBS)
10	10.00 - 10.75	113-1000-6	6	17
		113-1000-12	12	34
12	12.00 - 12.75	113-1200-6	6	19.
		113-1200-12	12	38
14	14.00 - 14.75	113-1400-6	6	20
		113-1400-12	12	40
16	16.00 - 16.75	113-1600-6	6	23
		113-1600-12	12	46
18	18.00 - 18.75	113-1800-6	6	24
		113-1800-12	12	49
20	20.00 - 20.75	113-2000-6	6	26
		113-2000-12	12	52
22	22.00 - 22.75	113-2200-6	6	27
		113-2200-12	12	54
24	24.00 - 24.75	113-2400-6	6	28
		113-2400-12	12	56
30	30.00 - 30.75	113-3000-6	6	29
		113-3000-12	12	58
36	36.00 - 36.75	113-3600-6	6	31
		113-3600-12	12	62

**LARGER OR CUSTOM SIZES AVAILABLE UPON REQUEST.**

**FOR COMPLETE BREAKS USE JCM UNIVERSAL CLAMP COUPLINGS MODELS 101, 102**



Certified to NSF/ANSI 61 & NSF/ANSI 372

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