



## Pipe Fittings & Fabrications for Industrial Service

P.O. Box 1220, Nash, TX 75569-1220  
Phone: 903-832-2581, Fax 903-838-6260  
www.jcmindustrialfittings.com

Contact JCM: Call Toll Free 800-527-8482  
Fax Toll Free 800-874-9524  
sales@jcmindustrialfittings.com

### JCM Heavy Duty Patch Clamps for Industrial Service

#### JCM 112 Heavy Duty Patch Clamp JCM 113 Multi-Band Patch Clamp

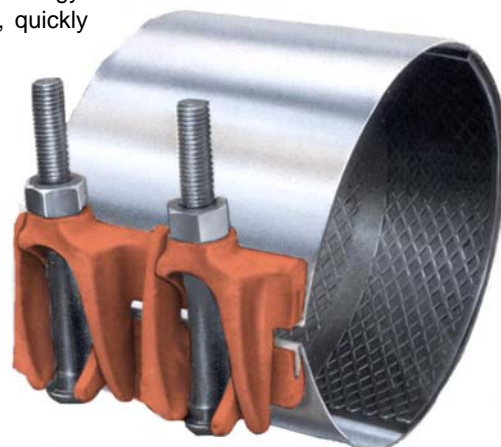
Heavy Duty Patch Clamps provide fast, permanent repair of pin holes, punctures or splits in steel and other types of pipe where a beam break is not involved. JCM Heavy Duty Patch Clamps are especially advantageous in large diameter applications in which the pipe wall has suffered a longitudinally running split (lengthwise along the pipe). Patch clamps feature a partial gasket to be installed directly over the damaged area to provide the fluid tight seal. Bolt torque energy is directly transferred from the bolting unit to the gasket over the damaged area, quickly sealing the area without wasted bolt torque energy.

**For specific application submittal, please provide the following information:**

- Type of pipe
- Size/Outside Diameter of Pipe
- Type and Size of Damage
- Line Content and Temperature
- Working and Test Pressure Requirements
- Installation environmental concerns, spacial or limited access information

JCM 112 and 113 Heavy Duty Patch Clamps are available in all stainless steel materials and provides options for gasket materials including: Buna-N, Viton, EPDM, Hypalon and others for aggressive, high temperature, acidic or corrosive line contents.

Suitable for these types of damage:



# JCM 112 Heavy Duty Patch Clamp

## JCM 113 Multi-Band Patch Clamp

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. JCM Heavy Duty Patch Clamps are especially advantageous in large diameter applications in which the pipe wall has suffered a longitudinally running split (lengthwise along the pipe). Patch clamps feature a partial gasket to be installed directly over the damaged area to provide the fluid tight seal. Bolt torque energy is directly transferred from the bolting unit to the gasket over the damaged area, quickly sealing the area without wasted bolt torque energy.



**For specific application submittal, please provide the following information:**

- Type of pipe
- Size/Outside Diameter of Pipe
- Type and Size of Damage
- Line Content and Temperature
- Working and Test Pressure Requirements
- Installation environmental concerns, spacial or limited access information

**112 Heavy Duty Patch Clamps**

NOMINAL PIPE SIZE		PIPE O.D. RANGE		CLAMP NUMBER	WIDTH (IN.)	WT. EA. LB.
IN	MM	IN	MM			
1-1/2	40	1.90 - 2.00	48 - 50	112-0190- 6	6	6
				112-0190-12	12	12
2	50	2.38 - 2.50	60 - 63	112-0238- 6	6	6
				112-0238-12	12	12
2-1/2	65	2.88 - 3.00	73 - 76	112-0288- 6	6	6
				112-0288-12	12	12
3	80	3.50 - 3.88	88 - 98	112-0350- 6	6	6
				112-0350-12	12	13
3-1/2	90	4.00 - 4.35	101 - 110	112-0400- 6	6	7
				112-0400-12	12	14
4	100	4.50 - 4.85	114 - 123	112-0450- 6	6	8
				112-0450-12	12	15
5	125	5.56 - 6.00	141 - 152	112-0556- 6	6	8
				112-0556-12	12	15
6	150	6.63 - 6.90	168 - 175	112-0663- 6	6	8
				112-0663-12	12	16
8	200	8.63 - 9.05	219 - 229	112-0863- 6	6	8
				112-0863-12	12	17
10	250	10.00 - 10.30	254 - 261	112-1000- 6	6	9
				112-1000-12	12	18
12	300	12.00 - 12.30	304 - 312	112-1200- 6	6	9
				112-1200-12	12	18
12	300	12.75 - 13.05	323 - 331	112-1275- 6	6	10
				112-1275-12	12	20

**113 MULTI-BAND PATCH CLAMPS**

10	250	10.00 - 10.75	254 - 273	113-1000- 6	6	17
				113-1000-12	12	34
12	300	12.00 - 12.75	304 - 323	113-1200- 6	6	19
				113-1200-12	12	38
14	350	14.00 - 14.75	355 - 374	113-1400- 6	6	20
				113-1400-12	12	40
16	400	16.00 - 16.75	406 - 425	113-1600- 6	6	23
				113-1600-12	12	46
18	450	18.00 - 18.75	457 - 476	113-1800- 6	6	24
				113-1800-12	12	49
20	500	20.00 - 20.75	508 - 527	113-2000- 6	6	26
				113-2000-12	12	52
22	550	22.00 - 22.75	558 - 577	113-2200- 6	6	27
				113-2200-12	12	54
24	600	24.00 - 24.75	609 - 628	113-2400- 6	6	28
				113-2400-12	12	56

Other sizes and widths available.

**Provide application information: line content and temperature**

**Conversion of U.S./Metric dimensions are approximate; application pipe diameter and range to be verified by the end user.**

**Typical Application:**  
**Repair**  
**Temporary/Permanent**

**Pinholes**  
**Corroded Areas**  
**Hole**  
**Longitudinal Splits**  
**Cracks**

**For application recommendation and fitting installation parameters, contact JCM Engineered and Technical Sales**  
**800-527-8482 or 903-832-2581**

**MATERIAL SPECIFICATIONS**

- Lug:** Ductile Iron ASTM A536. Optional CF8 (equivalent to 304) or CF8M (equivalent to 316) available.
- Band:** Stainless Steel, 18-8 Type 304. Optional 316 available.
- Gasket:** Virgin Styrene-Butadiene Rubber (SBR) - Compounded for use with water, salt solutions, mild acids and bases. Per ASTM D-2000 M4AA 607. Standard temperature range from -40° to 150°F (-40° to 65° C) constant, maximum intermittent 180° F (82° C). Optional Buna-N, EPDM, Viton and other gasket available.
- Bolt & Nuts:** Corrosion resistant, high strength low alloy, Corrosion resistant, high strength low alloy ASTM A242, A193 B5, B7. Optional A193 B8 304 stainless steel or 316 stainless steel.