

# Quick-Cam<sup>®</sup> Repair Clamp

*Double-Range Pipe Repair Clamp*



**Fewer Sizes, Less Inventory, Easier to Install**



**Total Piping Solutions, Inc.**

# Quick-Cam<sup>®</sup> Repair Clamp

## **Saves Time, Labor and Inventory Dollars**

The Quick-Cam<sup>®</sup> Repair Clamp is the latest in the series of innovative products from Total Piping Solutions designed to save time, labor and inventory dollars in the water, oil, gas and wastewater piping industries.

The Quick-Cam Repair Clamp features a number of distinct advantages, including a double range body, allowing a substantial reduction in inventory. There is no need for extra on-hand sizes to accommodate the local market requirements for repairing breaks, holes and splits in water, sewer, oil and natural gas piping systems.

The Quick-Cam Repair Clamp features a patented design that allows for rapid sealing under full or reduced line pressure conditions. A specialized multi-O-ring seal bead system, combined with a deep waffled mat type seal, work together to provide best-in-class sealing. A separate double O-ring seal bead system, located under the bridge plate, allows for super rapid sealing while providing a secure seal, even when the pipe is fully broken. The Quick-Cam Repair Clamp provides a 360-degree seal on all common pipe materials including: Steel, Ductile Iron, Cast Iron, PVC, Asbestos Cement, and High Density Polyethylene (HDPE-SDR17 or thicker wall).

The Quick-Cam Clamp includes an easy-to-install lug system, complete with an integrated handle for ease of handling and semi-fixed bolts for trouble-free tightening, allowing quick bolt up and installation.

The lugs may be easily removed to allow the clamp to be slid without difficulty under the pipe located in tight places. The lugs are available in either stainless steel or ductile iron, making the Quick-Cam clamp a competitive option to meet all field



*Quick-Cam Repair Clamps available in all stainless steel or optional E-Coated ductile iron lug system*

requirements. Nuts, bolts and washers are also available in either stainless or carbon steel materials.

Patented seal bead geometry and specialized lug closure system. Combined, they create a single product with added range, fewer sizes and full beam break seal capability that meets all test requirements set forth in AWWA C-230 (for stainless steel full encirclement repair clamps).

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## Specifications

### Non-Welded Lug to Band Attachment Design Reduces Corrosion Potential

**Pressure Rating:** Up to 200 PSI Maximum Working Pressures, Tested up to 300 PSI Working Pressures.

**Range:** Each Quick-Cam Repair Clamp has a range of at least .8" which allows for more pipe range coverage, easier installation and a substantial reduction in inventory.

**Temperature Rating:** Maximum Continuous Working Temperature Range of 180 Degrees F.

**Gaskets:** NSF-61 Approved NBR Rubber for Water, Sewer, Natural Gas, and other Petroleum Based Line Contents.

**Shell:** Heavy Duty Gauge 18-8 Stainless Steel.

**Alignment Lugs:** Heavy Duty ASTM A351 CF8 Grade 304 Cast or Optional Heavy Duty E-Coated ASTM A-536 Ductile Iron.

**Spanner Plate:** Heavy Duty Gauge 18-8 Stainless Steel integral with gasket.

### Clamp Widths:

2" to 8" diameters available in 7.5" to 30" widths.

10" to 12" diameters available in 10" to 30" widths.

14" to 54" diameters available in 12 to 36" widths.

Available widths: 7.5, 10, 12, 15, 20, 24, 30 and 36"

### Pipe Line Content:

Water and Sewerage \*Pressure Rating up to 200 psi, hydrostatically tested up to 300 psi.

Natural Gas \*Pressure Rating up to 125 psi, pressure tested up to 190 psi up to 12" diameters only.

**Nuts, Bolts and Washers:** 304 Stainless Steel Bolts, Nuts and Washers double coated with a Fluoropolymer Coating to prevent galling. Corten (Corrosion Resistant Alloy) Carbon Steel Nuts and Bolts (coated or bare) available as an option for use with ductile iron lug system.

**Testing:** Quick-Cam Repair Clamps are tested for 360 degree seal per AWWA C-230-16. The test is completed on a simulated 360-degree beam break test performed at 1.5 times the rated pressure on a test pipe designed with a 1/8" by 3/16" deep hydrostatically pressurized groove.

**Outlets:** Outlet clamps with 1/2" - 2" NPT or CC Threads available.

**NOTE:** Product pressure rating, temperature rating and bolt torque can vary depending on the product diameter, type of connection, and the pipe material being utilized.



\* Pressure rating, temperature rating, and bolt torque shown on the product label are the actual ratings of the individual product.



*Integrated Handle for Ease of Installation*



*Clamp Lugs easily removed to allow clamp to be slid under pipe located in tight places.*

Nominal Diameter	Lower Diameter	Upper Diameter	CTS	IPS	DIP	Pit Cast	AC100	AC150	AC200
2	2.35	2.63	2.63	2.38		2.50			
2-1/2	2.70	3.00		2.88					
3	3.46	4.26	4.13	3.50	3.96		3.95	4.13	4.18
4	4.45	5.13	5.13	4.50	4.80	5.00			
4 o.s.	4.74	5.81			4.80	5.00	5.26	5.32	5.57
5	5.50	6.20	6.13	5.56					5.57
6	6.55	7.42		6.63	6.90	7.10	7.40	7.37	
6 o.s.	6.84	7.65			6.90	7.10	7.40	7.37	7.60
8	8.54	9.44		8.63	9.05	9.30			
8 o.s.	8.98	9.84			9.05	9.30	9.57	9.62	9.79
10	10.64	11.46		10.75	11.10	11.40			
10 o.s.	11.34	12.16				11.40	11.77	12.12	12.12
12	12.62	13.56		12.75	13.20	13.50			
12 o.s.	13.65	14.42		14.00			14.04	14.38	14.38
 DOUBLE PANEL	14.75	16.24		16.00		15.30 15.65	15.36 15.80		
	15.87	17.37						16.22 16.73	16.44 16.88
	16.80	18.30		18.00	17.40	17.40 17.80	17.50 17.94		
	17.92	19.42						18.46 18.62	18.46 18.84
	18.86	20.35		20.00	19.50	19.50 19.92	19.90	18.97	19.19
	19.89	21.38					20.44	20.94 21.20	
	20.99	22.49			21.60	21.60 22.06	22.12	21.30	22.18
	21.87	23.36				22.06	22.68		22.18 22.54
	22.65	24.15						23.28 23.54	
	23.27	24.77		24.00					24.66
 TRIPLE PANEL RANGES	24.94	26.43			25.80	25.80 26.32			25.02
	25.88	27.38				26.32	26.48 27.17		
	27.45	29.70						27.96 28.32	
	29.03	31.28		30.00					29.62 29.98
FOUR PANEL RANGES	31.79	34.03			32.00				
	35.42	37.66		36.00					
FIVE PANELS	36.84	39.08			38.30				
	43.68	46.67			44.50				
	48.98	51.97			50.80				
	56.99	60.73			57.56				

SEWER PIPE RANGES		
4"	4.10	4.90
6"	6.20	7.00
8"	8.35	9.15
10"	10.35	11.18
12"	12.40	13.28

### Applicable Standards:

ASTM A380-06  
Standard Practice for Cleaning, Descaling and Passivation of Stainless Steel parts, Equipment and Systems

ASTM A967-05  
Standard Specification for Chemical Passivation Treatments for Stainless Steel Parts

ANSI/AWWA C230-16  
Standard for Full Encirclement Repair Clamps

NSF/ANSI Standard 61 Drinking Water System Components

ASTM D2000-12  
Standard Classification Systems for Rubber Products

ASTM A351  
Standard Specification for Grade 304 Stainless Steel

ASTM A536  
Standard Specification for Ductile Iron

CAUTION: Repair Clamps must not be re-used until refurbished with new bolts and new gaskets at TPS.

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Form: QClamp 10-21

NOTE: CALL FACTORY FOR CLAMP SIZES NOT SHOWN ON THIS CHART  
NOTE: PRESSURE RATING AND BOLT TORQUE SHOWN ON PRODUCT LABEL ARE ACTUAL RATING.



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This product is intended for use on HDPE SDR-17 or greater wall thicknesses, and shall be used for buried service only. The TPS Triple Tap product line is not approved for above ground applications on HDPE or other plastic pipe



**WARNING** This is a non-restraining product. If pipe pullout can occur, proper anchoring of the pipe joint is required. Failure to anchor the pipe could result in the escape of line content, and may cause property damage, serious injury or death.