



TOTAL PIPING SOLUTIONS, INC.

Quick-Cam[®]

Emergency Repair Kit

PATENTS:

9970584

9857007

Technical Specifications

Rev B
NOV 2019

Quick-Cam® Emergency Repair Kit Specifications

1. Pressure Rating: Quick-Cam® Emergency Repair Kit Clamps by Total Piping Solutions, Inc. when properly installed are capable of working pressures up to 150 psi for water applications.

Refer to pressure rating chart on page 4 for specific working pressure by diameter.

Quick-Cam® Rapid Seal Repair Clamps are tested to 1.5 X the working pressure in accordance with AWWA C-230 for water.

Note: Pressure rating shall not exceed the pressure rating of the pipe on which the repair clamp is installed. For any particular installation, the allowable working pressure will be determined by the size of pipe, type of pipe, condition of the pipe, service conditions, environmental conditions, and installation workmanship. Always consult the factory for specific information regarding application and working pressure.
2. Kit Options: 15" Wide Kit- 5 Bolts Per Panel
24" Wide Kit- 8 Bolts Per Panel
3. Temperature Rating: Maximum Continuous Working Temperature Range is 85° F for Standard NSF-61 compliant NBR Gasket
4. Sealing Gasket: ANSI/NSF- 61 Approved NBR Rubber – For water and sewer line contents.
5. Alignment Lugs: ASTM A351 CF8 (18-8) Cast Stainless Steel (Passivated for corrosion resistance)
6. Storage Container: Heavy Duty Steel Storage Container-Epoxy Coated (White)
Overall dimensions: 50" L x 45" W x 33" H
With Lifting Eyes
7. Mains Pipe : TPS Quick-Cam® Rapid Seal Repair Clamps are designed for use with Steel, Cast Iron, Ductile Iron, PVC, High Density Polyethylene (SDR 17 or Thicker), Asbestos Cement conductor pipe materials.

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Quick-Cam® Rapid Seal Repair Clamp Benefits

1. No special tools required to install the clamp.
2. Provides a 360° Seal on common pipe materials including: Steel, Ductile Iron, Cast Iron, PVC, AC, and HDPE
3. Patent-pending Gasket design featuring a multi O-Ring seal bead system with a deep waffled mat type seal.
4. Unique Patent Pending extended Cam Lug system provides wide range coverage for each panel combination.
5. Patent Pending Cam Lug system includes built in handle for ease of installation.
6. Removable Lug system for installation in tight spaces.
7. Note: See Materials of Construction diagram for additional information.

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 C230-11 Standard for Full Encirclement Repair Clamps

NSF/ANSI STANDARD 61 - Drinking Water System Components

ASTM D2000 - 12 Standard Classification System for Rubber Products.

ASTM A351 Standard Specification for Grade 304 Stainless Steel

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PANEL RE-ORDER PART NUMBERS	
PANEL #	PART #
#1	QCRS24062010000KIT
#2	QCRS24074210000KIT
#3	QCRS24076510000KIT
#4	QCRS24094410000KIT
#5	QCRS24098410000KIT
#6	QCRS24114610000KIT
#7	QCRS24121610000KIT
#8	QCRS24135610000KIT
#9	QCRS24144210000KIT

NOTES:

PANELS ARE MADE FROM HEAVY 14 GAGE MATERIAL FOR PREMIUM PERFORMANCE

THIS KIT INCLUDES ENOUGH PANELS TO CREATE ANY OF THE LISTED CLAMPS TO THE LEFT AT ANY GIVEN TIME. IF A PANEL IS USED, VERIFY THAT YOU WILL HAVE THE REQUIRED PANELS FOR ANY FUTURE CLAMPS NEEDS.

IF A REPLACEMENT PANEL IS NEEDED, CONTACT TPS.

EMERGENCY KIT PANEL COMBINATION CHART

	LOWER RANGE		PANELS REQUIRED									AWWA 3230 BEAM BREAK WORKING PRESSURE**		AWWA 3230 BEAM BREAK TEST PRESSURE	
	LOWER RANGE	UPPER RANGE	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12	#13
14	14.75	16.24	#1	#4	--	--	--	--	--	--	--	--	--	--	225
14 OS	15.87	17.37	#2	#4	--	--	--	--	--	--	--	--	--	--	225
16	16.80	18.30	#1	#6	--	--	--	--	--	--	--	--	--	--	225
16 OS	17.92	19.42	#2	#6	--	--	--	--	--	--	--	--	--	--	225
18 US	18.86	20.35	#3	#7	--	--	--	--	--	--	--	--	--	--	190
18	19.89	21.38	#2	#8	--	--	--	--	--	--	--	--	--	--	190
18 OS	20.99	22.49	#5	#7	--	--	--	--	--	--	--	--	--	--	190
20	21.87	23.36	#4	#8	--	--	--	--	--	--	--	--	--	--	135
20 OS	22.65	24.15	#6	#7	--	--	--	--	--	--	--	--	--	--	135
24 US	23.27	24.77	#5	#9	--	--	--	--	--	--	--	--	--	--	135
24	24.94	26.43	#6	#9	--	--	--	--	--	--	--	--	--	--	135
24 OS	25.88	27.38	#8	#8	--	--	--	--	--	--	--	--	--	--	135
30 US	27.45	29.70	#2	#5	#6	#6	#6	#6	#6	#6	#6	#6	#6	#6	75
30	29.03	31.28	#2	#4	#8	#8	#8	#8	#8	#8	#8	#8	#8	#8	75
30 OS	31.79	34.03	#5	#5	#8	#8	#8	#8	#8	#8	#8	#8	#8	#8	75
36	35.42	37.66	#5	#8	#8	#8	#8	#8	#8	#8	#8	#8	#8	#8	75
36 OS	36.84	39.08	#6	#7	#9	#9	#9	#9	#9	#9	#9	#9	#9	#9	75
42	43.68	46.67	#5	#5	#7	#8	#8	#8	#8	#8	#8	#8	#8	#8	N/A
48	48.98	51.97	#6	#7	#8	#8	#8	#8	#8	#8	#8	#8	#8	#8	N/A
54	56.99	60.73	#3	#5	#8	#8	#8	#8	#8	#8	#8	#8	#8	#8	N/A

1/28/2019



Quick-Cam® Emergency Repair Kit Specifications

Product Warnings

WARNING This product is not intended for use on natural gas piping or any other type of gas piping. To do so could result in escaping gas that could ignite and cause property damage, serious injury or death.

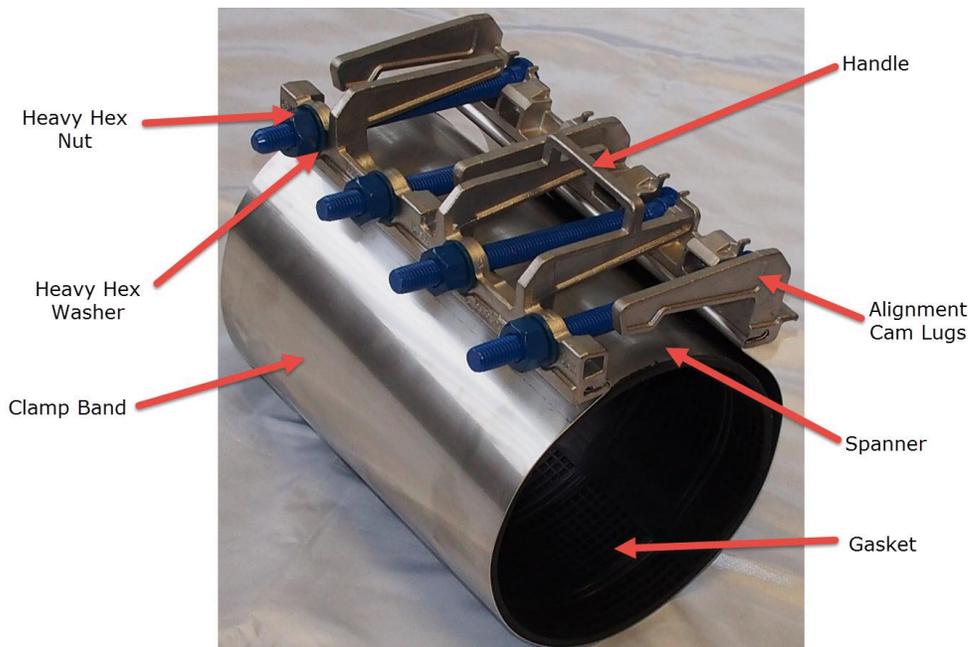
WARNING This is a non-restraining product. If pipe pullout can occur, proper anchoring of the pipe joint is required. Failure to anchor the pipe could result in the escape of line content, and may cause property damage, serious injury or death.

WARNING 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.

Clamp Reuse:

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

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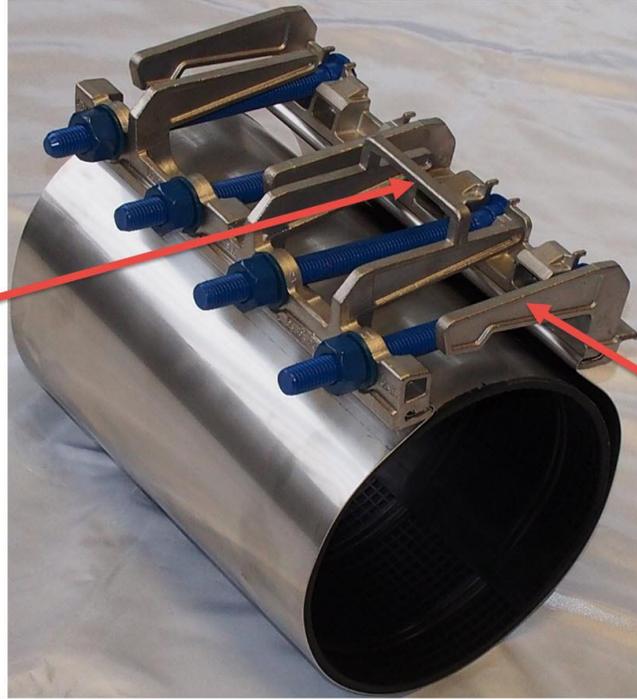


Materials of Construction

- Saddle Band:** 14 Gage 18-8 Stainless Steel
- Alignment Cam Lugs:** ASTM A351 CF8 18-8 Stainless Steel
- Gaskets:** Material: Nitrile Butadiene Rubber (NBR) Approved NSF-61
- Spanner:** Heavy Duty 18-8 Stainless Steel
- Bolts:** Oval Neck track-head per ANSI/ASME B18.10
5/8-11 UNC Rolled Thread
18-8 Type 304 Stainless Steel per ASTM A-193 Grade B8
Finish: Double Fluoroelastomer coating.
- Nuts:** Heavy Hex Nut 5/8-11 UNC Rolled Thread
Type 316 High Temp Stainless Steel per ASTM A-194 Grade 8
Finish: Double Fluoroelastomer coated to prevent galling.
- Washers:** Heavy Duty 5/8 Inch Washer
Material 18-8 Type 304 Stainless Steel
Double Fluoroelastomer coated to prevent galling

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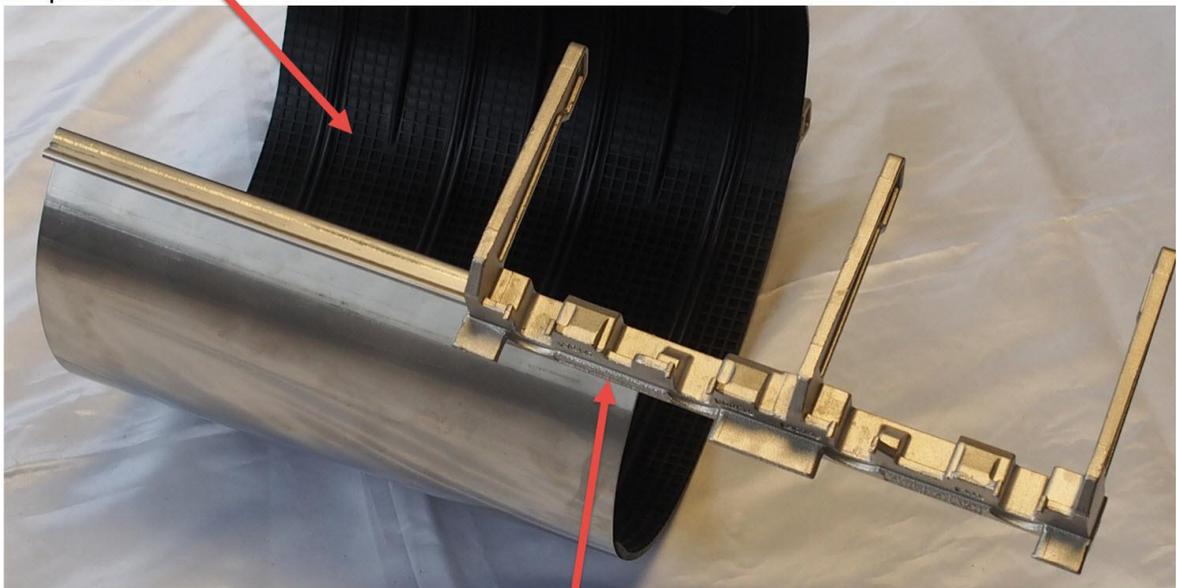
Features



Integrated Handle and Finger Tab for Ease of Installation

Patent Pending Cam Lug Fingers for Extended Range and ease of Installation

Waffle Pattern Mat Gasket with Double 'O'-Ring Seal beads and special quick seal



Removable Lug for Ease of Installation in Tight Spaces