



JCM 161 FABRICATED LUG ALL STAINLESS CLAMP

NEW FROM JCM INDUSTRIES MODEL 161 FABRICATED LUG ALL STAINLESS STEEL CLAMP

The new JCM 161 Fabricated Lug All Stainless Steel Clamp offers an economical solution to problems such as breaks, splits, cracks, holes in all types of pipe. Available in standard sizes for cast iron, ductile iron, IPS PVC, C-900/905 PVC, steel, asbestos cement, polyethylene. The 161 is a stainless steel clamp that offers all the benefits of stainless: corrosion resistance, lightweight, flex-

ible yet strong. The JCM 161 is especially recommended for hot soil conditions and corrosive environments.

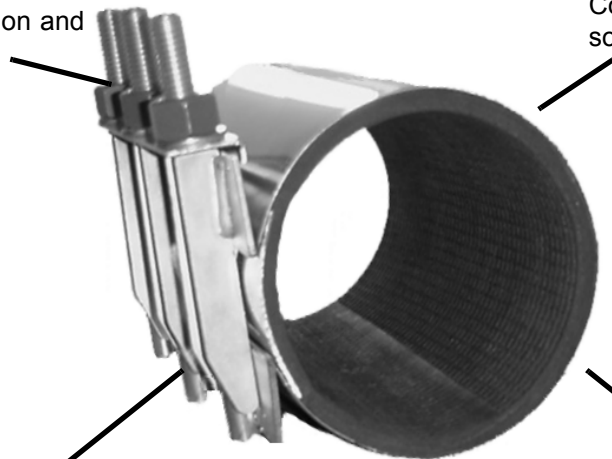
The full circumferential gasket provides a complete repair while the molded in stainless steel bridge plate provides the full stainless steel barrier to aggressive elements.

JCM 161 Fabricated Lug All Stainless Steel Clamp Couplings - Material Specifications

Bolting Assembly:	18-8 Type 304 Stainless Steel
Band:	18-8 Type 304 Stainless Steel
Bolts and Nuts:	18-8 Type 304 Stainless Steel
Gasket:	Compounded for use with water, salt solutions, mild acids and bases. Other gaskets available upon request.

Strong Stainless Steel Studs - permanently attached to eliminate loose parts and nuts are treated to speed installation and prevent siezing.

Thick Gridded Gasket - with long tapered ends and recessed bridge plate assure even gasket pressure throughout range - without wrinkling or crimping. Compounded for use with water, salt solutions, mild acids and bases.



Positive Attachment of Band to Lugs - strong TIG welds eliminate mechanical weaknesses and prevents band separation. Thick stainless lifter bar plate prevents distortion or warpage during tightening.

Type 304 Stainless Steel Band - conforms to pipe irregularities, maintaining sealing pressure over the entire gasket.

JCM 161 Fabricated Lug All Stainless Steel Clamp Couplings

NOM. PIPE SIZE (IN.)	CLAMP O.D. RANGE (IN.)	WIDTH	CLAMP NUMBER	APPR. WT. EA. (LBS.)
2	2.35 - 2.63	7-1/2	161-0238- 7	5
		12	161-0238-12	8
		15	161-0238-15	10
2-1/4 - 2-1/2	2.70 - 3.13	7-1/2	161-0275- 7	5
		12	161-0275-12	8
		15	161-0275-15	10
3	3.46 - 3.70	7-1/2	161-0350- 7	6
		12	161-0350-12	9
		15	161-0350-15	11
4	3.73 - 4.13	7-1/2	161-0400- 7	6
		12	161-0400-12	9
		15	161-0400-15	11
4	4.45 - 4.75	7-1/2	161-0450- 7	6
		12	161-0450-12	9
		15	161-0450-15	11
4	4.74 - 5.14	18	161-0450-18	15
		7-1/2	161-0480- 7	7
		12	161-0480-12	10
4	4.95 - 5.35	15	161-0480-15	12
		18	161-0480-18	17
6	6.56 - 6.96	7-1/2	161-0500- 7	7
		12	161-0500-12	10
		15	161-0500-15	12
6	6.85 - 7.25	18	161-0500-18	17
		7-1/2	161-0663- 7	9
		12	161-0663-12	13
6	7.05 - 7.45	15	161-0663-15	17
		18	161-0663-18	20
6	7.05 - 7.45	7-1/2	161-0690- 7	9
		12	161-0690-12	13
		15	161-0690-15	17
6	7.05 - 7.45	18	161-0690-18	20
6	7.05 - 7.45	7-1/2	161-0710- 7	9
		12	161-0710-12	13
		15	161-0710-15	17
6	7.05 - 7.45	18	161-0710-18	20

NOM. PIPE SIZE (IN.)	CLAMP O.D. RANGE (IN.)	WIDTH	CLAMP NUMBER	APPR. WT. EA. (LBS.)
8	8.54 - 8.94	7-1/2	161-0863- 7	10
		12	161-0863-12	16
		15	161-0863-15	20
8	8.99 - 9.39	18	161-0863-18	24
		7-1/2	161-0905- 7	10
		12	161-0905-12	16
8	9.27 - 9.67	15	161-0905-15	20
		18	161-0905-18	24
8	9.27 - 9.67	7-1/2	161-0940- 7	11
		12	161-0940-12	16
		15	161-0940-15	21
10	10.60 - 11.00	18	161-0940-18	25
		7-1/2	161-1075- 7	13
		12	161-1075-12	17
10	11.04 - 11.44	15	161-1075-15	22
		18	161-1075-18	27
10	11.75 - 12.15	7-1/2	161-1110- 7	15
		12	161-1110-12	18
		15	161-1110-15	24
10	11.75 - 12.15	18	161-1110-18	30
		7-1/2	161-1175- 7	15
		12	161-1175-12	18
12	12.62 - 13.02	15	161-1175-15	24
		18	161-1175-18	30
12	12.62 - 13.02	7-1/2	161-1275- 7	17
		12	161-1275-12	20
		15	161-1275-15	27
12	13.10 - 13.50	18	161-1275-18	34
		7-1/2	161-1320- 7	17
		12	161-1320-12	20
12	14.00 - 14.40	15	161-1320-15	27
		18	161-1320-18	34
12	14.00 - 14.40	7-1/2	161-1400- 7	17
		12	161-1400-12	20
		15	161-1400-15	27
12	14.00 - 14.40	18	161-1400-18	34

JCM 161 Fabricated Lug All Stainless steel Clamp Coupings - Material Specifications

BOLTING ASSEMBLY: 18-8 Type 304 Stainless Steel

BAND: 18-8 Type 304 Stainless Steel

BOLTS AND NUTS: 18-8 Type 304 Stainless Steel

GASKET: Compounded for use with water, salt solutions, mild acids and bases.

Other gaskets available upon request.

JCM 100 Series Clamps are ANSI/NSF Standard 61 Certified.

JCM INDUSTRIES, INC.
P. O. BOX 1220
NASH, TEXAS 75569-1220
Call Toll Free 800-527-8482 or 903-832-2581
Fax Toll Free 800-874-9524 or 903-838-6260
www.jcmindustries.com

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JCM 161 Fabricated Lug All Stainless Steel Clamp Coupling Typical Specification

JCM 161 Fabricated Lug All Stainless Steel Clamp Coupling

Full circumferential single and multi band repair clamps shall have a minimum material standard of 304 stainless steel band, bolt assembly and hardware. Fabricated lug shall have permanently attached mutually supporting fingers and strong stainless steel lifter bar plate. The gasket shall be gridded 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. Clamps shall be JCM 161, 162, 163 or approved equal.

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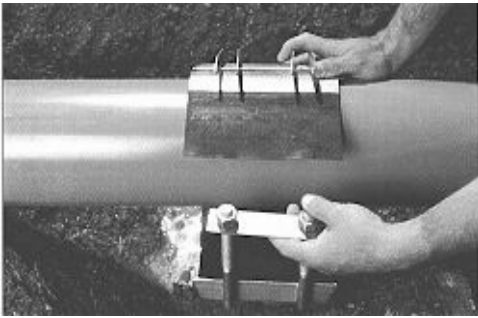
**JCM 161 Fabricated Lug
All Stainless Steel
Clamp Couplings
Installation Instructions**

1. Clean and scrape pipe. Remove any dirt or debris that would interfere with the complete sealing of the gasket around the pipe. Lubricate the pipe with soapy water. Do not use oil base pipe lubricant. *Trick of the Trade: Place a mark on the pipe to each side of the damaged area equal to the width of the clamp. This presents a visual mark to center the repair clamp over the damage area (1/2 of this distance is center).*
2. Inspect pipe for integrity, size and outside diameter. Confirm the proper size and range of repair clamp.
3. Open the repair clamp by loosening (without removing) the nuts to the top of the stainless studs/bolts. Disengage the locking "C-Plate" and lift plate to open clamp.
4. Wrap repair clamp around the pipe centering the clamp over the damaged area. Tuck tapered gasket in place ensuring there are no folds in the tapered edge.
5. Loosely close the clamp around the pipe by lifting the C-Plate lip over the lug system stainless receiver bar, meeting the stud and fingers, and lock in place. Rotate the clamp slightly in the direction of the arrow stamped on the clamp band to ensure the tapered gasket lies flat under the clamp.
6. Complete tightening of the clamp by squeezing the lugs together and tighten the nuts to the appropriate torque levels.
7. Tighten the nuts evenly with a hand wrench to the following torque values. *Trick of the Trade: Pneumatic wrenches could cause the stainless nuts to seize on the stainless steel studs.*

5/8" Bolts/Studs tighten to 70 Foot Pounds of Torque*

***Ensure proper torque level with a field grade torque wrench equal to the JCM 905 Torque Wrench.**

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Open the repair clamp by loosening (without removing) the nuts to the top of the stainless studs/bolts. Disengage the locking "C-Plate" and lift plate to open clamp.

Wrap repair clamp around the pipe centering the clamp over the damaged area. Tuck tapered gasket in place ensuring there are no folds in the tapered edge.



Loosely close the clamp around the pipe by lifting the C-Plate lip over the lug system stainless receiver bar, meeting the stud and fingers, and lock in place. Rotate the clamp slightly in the direction of the arrow stamped on the clamp band to ensure the tapered gasket lies flat under the clamp.



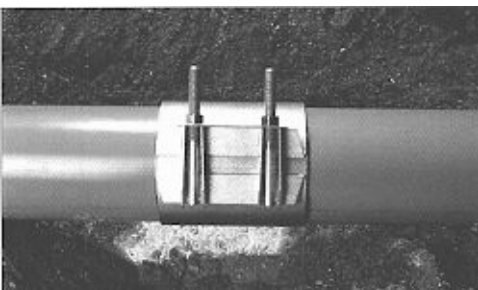
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Completed JCM 161 Clamp Installation