

DATE: 5/10/2017
BID NO.: 50-00119704

INVITATION TO BID
THIS IS NOT AN ORDER

Page: 1

JEFFERSON PARISH

PURCHASING DEPARTMENT
P.O. BOX 9
GRETNA, LA. 70054-0009
504-364-2678

BUYER: DNELSON@jeffparish.net

BIDS WILL BE RECEIVED IN THE WEST BANK PURCHASING DEPT, SUITE 4400, JEFFERSON PARISH GENERAL GOVERNMENT BUILDING, 200 DERBIGNY STREET, GRETNA, LA 70053 UNTIL 2:00 PM, 5/25/2017 AND PUBLICLY OPENED THEREAFTER.

For convenience, bidders may also submit bids in the East Bank Purchasing Department, Suite 404, Jefferson Parish Joseph S. Yenni Building, 1221 Elmwood Park Blvd., Jefferson LA 70123. However, if submitting bids on the day of bid opening, bidders must submit at the West Bank location only. All bids will be publicly opened at the West Bank location.

At no charge, bidders may also submit via Jefferson Parish's electronic procurement page by visiting www.jeffparishbids.net to register for this free site. Additional instructions are included in the text box highlighting electronic procurement.

LATE BIDS WILL NOT BE ACCEPTED

Unless submitting via online (see Page 3), each bid must be submitted in a sealed envelope bearing on the outside; the name of the Bidder, his address, and the name of the project for which the bid is submitted and the bid number.

NOTE: ONLY BIDS WRITTEN IN INK OR TYPEWRITTEN, AND PROPERLY SIGNED BY A MEMBER OF THE FIRM OR AUTHORIZED REPRESENTATIVE, WILL BE ACCEPTED. PENCIL AND/OR PHOTOSTATIC FIGURES OR SIGNATURES SHALL RESULT IN BID REJECTION.

INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS

THE FOLLOWING INSTRUCTIONS APPLY TO ALL BIDS

All bids submitted are subject to these instructions and general conditions and any special conditions and specifications contained herein, all of which are made part of this bid proposal reference. By submitting a bid, vendor agrees to comply with all provisions of Louisiana Law as well be in compliance with the Jefferson Parish Code of Ordinances, Louisiana Code of Ethics, applicable Jefferson Parish ethical standards and Jefferson Parish Resolution No. 113646 and/or Resolution No. 113647.

All vendors submitting bids should register as a Jefferson Parish vendor if not already yet registered. Registration forms may be downloaded from <http://purchasing.jeffparish.net> and by clicking on Vendor Information. Current W-9 forms with respective Tax Identification numbers and vendor applications may be submitted at any time; however, if your company is not registered and/or a current W-9 form is not on file, vendor registration is mandatory. Further, a current W-9 form and respective Tax Identification number must be supplied upon contract execution, should you be awarded a contract and/or issued purchase order. Failure to do so may result in delay of payment.

All quotations shall be based on F.O.B. Agency warehouse or job site, anywhere within the Parish as designated by the Purchasing Department. This provision does not apply to public works projects

JEFFERSON PARISH requires all products to be new (current) and all work must be performed according to standard practices for the project. Unless otherwise specified, no aftermarket parts will be accepted. Unless otherwise specified, all workmanship and materials must have at least one (1) year guaranty, in writing, from the date of delivery and/or acceptance of the project. Any deviations or alterations from the specifications must be indicated and/or supporting documentation supplied with bid submission.

Bidders should submit all questions in writing and fax them to the Purchasing Department at (504) 364-2693 no later than FIVE (5) working days prior to bid opening. Bid numbers should be mentioned in all requests. Questions may also be emailed to the buyer for this bid at the email address listed above. If submitting online, vendors may send questions via the E-Procurement site no later than Five (5) working days prior to the bid opening.

If this bid requires a pre-bid conference (see Additional Requirements section), bidders are advised that such conference will be held to allow bidders the opportunity to identify any discrepancies in the bid specifications and seek further clarification regarding instructions. The Purchasing Department will issue a written response to bidders' questions in the form of an Addendum. Please note that all official communication will be expressed in the form of an addendum.

All formal Addenda require written acknowledgement on the bid form by the bidder. Failure to acknowledge an Addendum on the bid form shall cause the bid to be rejected. JEFFERSON PARISH reserves the right to award bid to next lowest responsive and responsible bidder in this event.

The purpose and intention of this invitation to bid is to afford all suppliers an equal opportunity to bid on all construction, maintenance, repair, operating supplies and/or equipment listed in this bid proposal. JEFFERSON PARISH WILL ACCEPT ONE BID ONLY FROM EACH VENDOR. Items bid must meet specifications.

Visit our website at [HTTP://PURCHASING.JEFFPARISH.NET](http://PURCHASING.JEFFPARISH.NET)

JEFFERSON PARISH will accept one price for each item unless otherwise indicated. Two or more prices for one item will result in bid rejection. Bidders are required to complete, sign and return the bid form and/or complete and return the associated line item pricing forms as indicated. Vendors must not alter the bid forms. Doing so will cause the bid to be rejected.

A corporate resolution or written evidence of the individual signing the bid having such authority must be submitted with the bid. Failure to comply will cause bid to be rejected. For corporate entities, such written evidence may be a printout of the Louisiana Secretary of State's website listing the signatory as an officer. Such printout shall be included with the bid submission. Bids submitted by Owners or Sole Proprietorships must include certification that he or she owns the entity for which the bid is signed. This documentation must be submitted with the bid. Failure to do so will result in bid rejection.

NOTE: A sample corporate resolution can be downloaded from our website <http://purchasing.jeffparish.net> or you may provide your own document. A sample certification of sole proprietorship can also be downloaded from our website <http://purchasing.jeffparish.net> or you may provide your own document.

INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS

A. AWARD OF CONTRACT: JEFFERSON PARISH reserves the right to award contracts or place orders on a lump sum or individual item basis, or such combination, as shall in its judgment be in the best interest of JEFFERSON PARISH. Every contract or order shall be awarded to the LOWEST RESPONSIVE and RESPONSIBLE BIDDER, taking into consideration the CONFORMITY WITH THE SPECIFICATIONS and the DELIVERY AND/OR COMPLETION DATE. SPLIT AWARDS MADE TO SEVERAL VENDORS WILL ONLY BE GRANTED TO THOSE DEEMED RESPONSIVE AND RESPONSIBLE.

All bid prices shall remain valid for 45 days. Jefferson Parish and the lowest responsive and responsible bidder(s) by mutual written consent may mutually agree to extend the deadline for award by one (1) or more extensions of thirty (30) calendar days.

PROTESTS: Only those vendors that submitted a bid in response to this solicitation may submit a protest in writing to the Director of the Purchasing within 48 hours of bid opening. The Purchasing Director will review it in connection with the Parish Attorney's Office which will then respond in writing as soon as possible.

PREFERENCE: Unless federal funding is directly spent by Jefferson Parish for this purchase, preference is hereby given to materials, supplies, and provisions produced, manufactured or grown in Louisiana, quality being equal to articles offered by competitors outside the state. "LSA – R.S. 38:2251-2261"

B. USE OF BRAND NAMES AND STOCK NUMBERS: Where brand names and stock numbers are specified, it is for the purpose of establishing certain minimum standards of quality. Bids may be submitted for products of equal quality, provided brand names and stock numbers are specified. Complete product data may be required prior to award.

C. CANCELLATION OF CONTRACT: JEFFERSON PARISH reserves the right to cancel all or any part if not shipped promptly. No charges will be allowed for parking or cartage unless specified in quotation. The order must not be filled at a higher price than quoted. JEFFERSON PARISH reserves the right to cancel any contract at anytime and for any reason by issuing a THIRTY (30) day written notice to the contractor.

For good cause and as consideration for executing a contract with Jefferson Parish, vendor conveys, sells, assigns and transfers to Jefferson Parish or its assigns all rights, title and interest in and to all causes of action it may now or hereafter acquire under the antitrust laws of the United States and the State of Louisiana, relating to the particular good or services purchased or acquired by Jefferson Parish.

D. PRICES: Jefferson Parish is exempt from paying sales tax under LSA-R.S. 47:301 (8)(c). All prices for purchases by Jefferson Parish of supplies and materials shall be quoted in the unit of measure specified and unless otherwise specified, shall be exclusive of state and Parish taxes. The price quoted for work shall be stated in figures. In the event there is a difference in unit prices and totals, the unit price shall prevail.

Quantities listed are for bidding purposes only. Actual requirements may be more or less than quantities listed.

Bidders are not to exclude from participation in, deny the benefits of, or subject to discrimination under any program or activity, any person in the United States on the grounds of race, color, national origin, or sex; nor discriminate on the basis of age under the Age Discrimination Act of 1975, or with respect to an otherwise qualified handicapped individual as provided in Section 504 of the Rehabilitation Act of 1973, or on the basis of religion, except that any exemption from such prohibition against discrimination on the basis of religion as provided in the Civil Rights Act of 1964, or Title VI and VII of the Act of April 11, 1968, shall also apply. This assurance includes compliance with the administrative requirements of the Revenue Sharing final handicapped discrimination provisions contained in Section 51.55 (c), (d), (e), and (k)(5) of the Regulations. New construction or renovation projects must comply with Section 504 of the 1973 Rehabilitation Act, as amended, in accordance with the American National Standard Institute's specifications (ANSI A17.1-1961).

Jefferson Parish and its partners as the recipients of federal funds are fully committed to awarding a contract(s) to firm(s) that will provide high quality services and that are dedicated to diversity and to containing costs. Thus, Jefferson Parish strongly encourages the involvement of minority and/or woman-owned business enterprises (DBE's, including MBE's, WBE's and SBE's) to stimulate participation in procurement and assistance programs.

INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS

Advertised bids will be tabulated and a copy of the tabulation will be forwarded to each responding bidder.

IN ACCORDANCE WITH STATE REGULATIONS JEFFERSON PARISH OFFERS ELECTRONIC PROCUREMENT TO ALL VENDORS

This electronic procurement system allows vendors the convenience of reviewing and submitting bids online. This is a secure site and authorized personnel have limited read access only. Bidders are encouraged to submit electronically using this free service; while the website accepts various file types, one single PDF file containing all appropriate and required bid documents is preferred. Bidders submitting uploaded images of bid responses are solely responsible for clarity. If uploaded images/documents are not legible, then bidder's submission will be rejected. Please note all requirements contained in this bid package for electronic bid submission.

Please visit our E-Procurement Page at www.jeffparishbids.net to register and view Jefferson Parish solicitations. For more information, please visit the Purchasing Department page at <http://purchasing.jeffparish.net>.

The general specifications for construction projects and the purchase of materials, services and/or supplies are those adopted by the JEFFERSON PARISH Council by Resolution No. 113646 or 113647 dated 12/09/09. The general conditions adopted by this resolution shall be considered as much a part of this document as if they were written wholly herein. A copy may be obtained from the Office of the Parish Clerk, Suite 6700, Jefferson Parish General Government Building, 200 Derbigny Street, Gretna, LA 70053. You may also obtain a copy by visiting the Purchasing Department webpage at <http://purchasing.jeffparish.net> and clicking on Online Forms.

ADDITIONAL REQUIREMENTS FOR THIS BID

PLEASE MATCH THE NUMBERS PRINTED IN THIS BOX WITH THE
CORRESPONDING INSTRUCTIONS BELOW.

10,12,13,15

1. All bidders must attend the MANDATORY pre-bid conference and will be required to sign in and out as evidence of attendance. In accordance with LSA R.S. 38:2212(l), all prospective bidders shall be present at the beginning of the MANDATORY pre-bid conference and shall remain in attendance for the duration of the conference. Any prospective bidder who fails to attend the conference or remain for the duration shall be prohibited from submitting a bid for the project.
2. Attendance to this pre-bid conference is optional. However, failure to attend the pre-bid conference shall not relieve the bidder of responsibility for information discussed at the conference. Furthermore, failure to attend the pre-bid conference and inspection does not relieve the successful bidder from the necessity of furnishing materials or performing any work that may be required to complete the work in accordance with the specification with no additional cost to the owner.
3. Contractor must hold current applicable JEFFERSON PARISH licenses with the Department of Inspection and Code Enforcement. Contractor shall obtain any and all permits required by the JEFFERSON PARISH Department of Inspection and Code Enforcement. The contractor shall be responsible for the payment of these permits. All permits must be obtained prior to the start of the project. Contractor must also hold any and all applicable Federal and State licenses. Contractor shall be responsible for the payment of these permits and shall obtain them prior to the start of the project.
4. A LA State Contractor's License will be required in accordance with LSA R.S. 37-2150 et. seq. and such license number will be shown on the outside of the bid envelope. Failure to comply will cause the bid to be rejected. Additionally if submitting the bid electronically, then the license number must be entered in the appropriate field in the Electronic Procurement system. Failure to comply will cause the bid to be rejected.
5. It is the bidder's responsibility to visit the job site and evaluate the job before submitting a bid.
6. Job site must be clean and free of all litter and debris daily and upon completion of the contract. Passageways must be kept clean and free of material, equipment, and debris at all times. Flammable material must be removed from the job site daily because storage will not be permitted on the premises. Precautions must be exercised at all times to safeguard the welfare of JEFFERSON PARISH and the general public.

INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS

7. **PUBLIC WORKS BIDS:** All awards for public works in excess of \$5,000.00 will be reduced to a formal contract which shall be recorded at the contractor's expense with the Clerk of Court and Ex-Officio Recorder of Mortgages for the Parish of Jefferson. A price list of recordation costs may be obtained from the Clerk of Court and Ex-Officio Recorder of Mortgages for the Parish of Jefferson. All awards in excess of \$25,000.00 will require both a performance and a payment bond. Unless otherwise stated in the bid specifications, the performance bond requirements shall be 100% of the contract price. Unless otherwise state in the bid specifications, the payment bond requirements shall be 100% of the contract price. Both bonds shall be supplied at the signing of the contract.
8. **NON-PUBLIC WORKS BIDS:** A performance bond will be required for this bid. The amount of the bond will be 100% of the contract price unless otherwise indicated in the specifications. The performance bond shall be supplied at the signing of the contract.
9. **NON-PUBLIC WORKS BIDS:** A payment bond will be required for this bid. The amount of the bond will be 100% of the contract price unless otherwise indicated in the specifications. The payment bond shall be supplied at the signing of the contract.
10. Unless otherwise stated in the bid specifications, the successful bidder will be required to procure standard insurance policies evidencing Parish-mandated insurance requirements as indicated on the attached "insurance requirements" sheet. All bidders must comply with the instructions in this sheet. Failure to comply will cause bid to be rejected.
11. A bid bond will be required with bid submission in the amount of 5% of the total bid, unless otherwise stated in the bid specifications. Acceptable forms shall be limited to cashier's check, certified check, or surety bid bond. All sureties must be in original format (no copies) If submitting a bid online, vendors must submit an electronic bid bond through the respective online clearinghouse bond management system(s) as indicated in the electronic bid solicitation on Central Auction House. No scanned paper copies of any bid bond will be accepted as part of the electronic bid submission.
12. This is a requirements contract to be provided on an as needed basis. JEFFERSON PARISH makes no representations on warranties with regard to minimum guaranteed quantities unless otherwise stated in the bid specifications.
13. Freight charges should be included in total cost when quoting. If not quoted FOB DELIVERED, freight must be quoted as a separate item. Bid may be rejected if not quoted FOB DELIVERED or if freight charges are not indicated on bid form.
14. **PUBLIC WORKS BIDS - Completed, Signed and Properly Notarized Affidavits Required;** This applies to all solicitations for construction, alteration or demolition of public buildings or projects, in conformity with the provisions contained in LSA-RS 38:2212.9, LSA-RS 38:2212.10, LSA-RS 38:2224, and Sec 2-923.1 of the Jefferson Parish Code of Ordinances. For bidding purposes, all bidders must submit with bid submission COMPLETED, SIGNED and PROPERLY NOTARIZED Affidavits, including: Non-Conviction Affidavit, Non-Collusion Affidavit, Campaign Contribution Affidavit, Debt Disclosures Affidavit and E-Verify Affidavit. For the convenience of vendors, all affidavits have been combined into one form entitled PUBLIC WORKS BID AFFIDAVIT. This affidavit must be submitted in its original format, and without material alteration, in order to be compliant and for the bid to be considered responsive. A scanned copy of the completed, signed and properly notarized affidavit may be submitted with the bid, however, the successful bidder must submit the original affidavit in its original format and without material alteration upon contract execution. Failure to comply will result in the bid submission being rejected as non-responsive. The Parish reserves the right to award bid to the next lowest responsive and responsible bidder in this event.
15. **NON PUBLIC WORK BIDS - Completed, Signed and Properly Notarized Affidavits Required** in conformity with the provisions contained in LSA – RS 38:2224 and Sec 2-923.1 of the Jefferson Parish Code of Ordinances. For bidding purposes, all bidders must submit with bid submission COMPLETED, SIGNED and PROPERLY NOTARIZED Affidavits, including: Non-Collusion Affidavit, Debt Disclosures Affidavit and Campaign Contribution Affidavit. For the convenience of vendors, all affidavits have been combined into one form entitled NON PUBLIC WORKS BID AFFIDAVIT. This affidavit must be submitted in its original format, and without material alteration, in order to be compliant and for the bid to be considered responsive. A scanned copy of the completed, signed and properly notarized affidavit may be submitted with the bid, however, the successful bidder must submit the original affidavit in its original format and without material alteration upon contract execution. Failure to comply will result in the bid submission being rejected as non-responsive. The Parish reserves the right to award bid to the next lowest responsive and responsible bidder in this event.
16. The ensuing contract for this bid solicitation may be eligible for FEMA reimbursement and/or Federal funding/reimbursement. As such, the referenced appendix will be applicable accordingly and shall be considered a part of the bid documents. All applicable certifications must be duly completed, signed and submitted with bid submission. Failure to submit applicable certifications with bid submission will result in bid rejection.
17. For this project, the Contractor shall not pay any state or local sales or use taxes on materials and equipment which are affixed and made part of the immovable property of the project or which permanently incorporated in the project (hereinafter referred to as "applicable materials and equipment"). All purchases of applicable materials or equipment shall be made by the contractor on behalf of and as the agent of Jefferson Parish (Owner), a political subdivision of the State of Louisiana. No state and local sales and use taxes are owned on applicable materials and equipment under the provisions of Act 1029 of the 1991 Regular Session – Louisiana Revised Statute 47:301(8)(c). Owner will furnish contractor a certificate form which certifies that Owner is not required to pay such state or local sales and use taxes, and contractor shall furnish a copy of such certificate to all vendors or suppliers of the applicable materials and equipment

It shall be the duty of every parish officer, employee, department, agency, special district, board, and commission: and the duty of every contractor, subcontractor, and licensee of the parish, and the duty of every applicant for certification of eligibility for a parish contract or program, to cooperate with the Inspector General in any investigation, audit, inspection, performance review, or hearing pursuant to Jefferson Parish Code of Ordinances Section 2-155.10(19). By submitting a bid, vendor acknowledges this and will abide by all provisions of the referenced Jefferson Parish Code of Ordinances.

DATE: 5/10/2017

Page: 5

BID NO.: 50-00119704

BID FORM
Non Public Works

All Public Work Projects are required to use the Louisiana Uniform Public Work Bid Form

All prices must be held firm unless an escalation provision is requested in this bid. Jefferson Parish will allow one escalation during the term of the contract, which may not exceed the U.S. Bureau of Labor Statistics National Index for all Urban Consumers, unadjusted 12 month figure. The most recently published figure issued at the time an adjustment is requested will be used. A request must be made in writing by the vendor, and the escalation will only be applied to purchases made after the request is made.

Are you requesting an escalation provision?

YES _____ NO ☒

MAXIMUM ESCALATION PERCENTAGE REQUESTED _____%

INITIAL BID PRICES WILL REMAIN FIRM THROUGH THE DATE OF

6/6/18

For the purposes of comparison of bids when an escalation provision is requested, Jefferson Parish will apply the maximum escalation percentage quoted by the bidder to the period to which it is applied in the bid. The initial price and the escalation will be used to calculate the total bid price. It will be assumed, for comparison of prices only, that an equal amount of material or labor is purchased each month throughout the entire contract.

DELIVERY: FOB JEFFERSON PARISH

INDICATE DELIVERY DATE ON EQUIPMENT AND SUPPLIES

STOCK-4WKS

LOUISIANA CONTRACTOR'S LICENSE NO.: (if applicable) _____

THIS SECTION MUST BE COMPLETED BY BIDDER:

FIRM NAME:

CONSOLIDATED PIPE + SUPPLY

ADDRESS:

812 LITTLE FARMS Ave

CITY, STATE:

Metairie LA 70003

ZIP:

TELEPHONE:

504-737-1212

FAX:

504-737-7909

EMAIL ADDRESS:

bobrogers@CONSOLIDATEDPIPE.COM

In the event that addenda are issued with this bid, bidders MUST acknowledge all addenda on the bid form. Bidder must acknowledge receipt of an addendum on the bid form as indicated. Failure to acknowledge any addendum on the bid form will result in bid rejection.

Acknowledge Receipt of Addenda: NUMBER:

NUMBER:

NUMBER:

NUMBER:

TOTAL PRICE OF ALL BID ITEMS: \$

AUTHORIZED

SIGNATURE:

TITLE:

270,213.72

Robert A Rogers

SALES

ROBERT A ROGERS

Printed Name

SIGNING INDICATES YOU HAVE READ AND COMPLY WITH THE INSTRUCTIONS AND CONDITIONS.

NOTE: All bids should be returned with the BID NUMBER and BID OPENING DATE indicated on the outside of the envelope submitted to the Purchasing Department.

INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00119704

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
			ONE (1) YEAR CONTRACT FOR A SUPPLY OF COUPLINGS, RESTRAINING DEVICES, AND THE RELATED GASKETS FOR THE JEFFERSON PARISH DEPARTMENT OF PUBLIC WORKS WATER & SEWER & ALL J.P. AGENCIES AND MUNICIPALITIES		
1	2.00	EA	0010 3 INCH FLANGE RESTRAINER PART #1003 (38418)	57 ⁰⁰	114 ⁰⁰
2	2.00	EA	0020 4 INCH FLANGE RESTRAINER PART #1004 (38417)	89 ⁰⁰	178 ⁰⁰
3	2.00	EA	0030 6 INCH FLANGE RESTRAINER PART #1006 (38415)	133 ⁰⁰	266 ⁰⁰
4	2.00	EA	0040 8 INCH FLANGE RESTRAINER PART #1008 (38416)	171 ⁰⁰	342 ⁰⁰
5	2.00	EA	0050 10 INCH FLANGE RESTRAINER PART #1010 (38419)	311 ⁰⁰	622 ⁰⁰
6	2.00	EA	0060 12 INCH FLANGE RESTRAINER PART #1012 (38411)	353 ⁰⁰	706 ⁰⁰
7	2.00	EA	0070 14 INCH FLANGE RESTRAINER PART #1014 (38412)	651 ⁰⁰	1302 ⁰⁰
8	2.00	EA	0080 16 INCH FLANGE RESTRAINER PART #1016 (38413)	913 ⁰⁰	1826 ⁰⁰
9	2.00	EA	0090 18 INCH FLANGE RESTRAINER PART #1018 (38424)	1215 ⁰⁰	2430 ⁰⁰
10	2.00	EA	0100 20 INCH FLANGE RESTRAINER PART #1020 (38420)	1445 ⁰⁰	2890 ⁰⁰
11	2.00	EA	0110 24 INCH FLANGE RESTRAINER PART #1024 (38414)	1817 ⁰⁰	3634 ⁰⁰
12	2.00	EA	0120 4 INCH BELL RESTRAINT HARNESS C900 SPLIT SERRATED RING	26 ⁰⁰	52 ⁰⁰

14362²⁰

INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00119704

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
13	16.00	EA	PART #1504 (51240) 0130 6 INCH BELL RESTRAINT HARNESS C900 SPLIT SERRATED RING	<i>Ref</i> 38 ⁸⁰	620 ⁸⁰ <i>Ref</i>
14	2.00	EA	PART #1506 (51241) 0140 8 INCH BELL RESTRAINT HARNESS C900 SPLIT SERRATED RING	50 ⁵⁰	100 ⁵⁰
15	2.00	EA	PART #1508 (51242) 0150 4 INCH BELL RESTRAINT HARNESS C900 SERRATED & NON-SERRATED RING	26 ²⁰	\$52 ⁴⁰
16	2.00	EA	PART #1604 0160 6 INCH BELL RESTRAINT HARNESS C900 SERRATED & NON-SERRATED RING	38 ⁵⁰	77 ⁰⁰
17	2.00	EA	PART #1606 (51241A) 0170 8 INCH BELL RESTRAINT HARNESS C900 SERRATED & NON-SERRATED RING	<i>Ref</i> 50 ⁵⁰	101 ⁰⁰
18	2.00	EA	PART #1608 (51242A) 0180 10 INCH BELL RESTRAINT HARNESS C900 SERRATED & NON-SERRATED RING	88 ⁵⁰	177 ⁰⁰
19	2.00	EA	PART #1610 (51243) 0190 4 INCH BELL RESTRAINT HARNESS D.I. PART #1704	26 ²⁰	52 ⁴⁰
20	2.00	EA	0200 6 INCH BELL RESTRAINT HARNESS D.I. PART #1706	38 ⁵⁰	77 ⁰⁰
21	1.00	EA	0210 8 INCH BELL RESTRAINT HARNESS D.I. PART #1708	50 ⁵⁰	50 ⁵⁰ <i>Ref</i>
22	2.00	EA	0220 10 INCH BELL RESTRAINT HARNESS D.I. PART #1710 (51254)	88 ⁵⁰	177 ⁰⁰
23	2.00	EA	0230 12 INCH BELL RESTRAINT HARNESS D.I. PART #1712	110 ⁸⁰	221 ⁶⁰

INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00119704

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
24	2.00	EA	0240 14 INCH BELL RESTRAINT HARNESS D.I. PART #1714	222 [@]	444 [@]
25	2.00	EA	0250 16 INCH BELL RESTRAINT HARNESS D.I. PART #1716 (51253)	248 [@]	496 [@]
26	2.00	EA	0260 18 INCH BELL RESTRAINT HARNESS D.I. PART #1718	273 ⁵⁰	547 [@]
27	2.00	EA	0270 20 INCH BELL RESTRAINT HARNESS D.I. PART #1720	388 [@]	776 [@] ROR
28	2.00	EA	0280 24 INCH BELL RESTRAINT HARNESS D.I. PART #1724	535 [@]	1070 [@]
29	2.00	EA	0290 30 INCH BELL RESTRAINT HARNESS D.I. PART #1730	1016 [@]	2032 [@]
30	2.00	EA	0300 36 INCH BELL RESTRAINT HARNESS D.I. PART #1736	1470 [@]	2940 [@]
31	2.00	EA	0310 1.5 INCH FLANGE COUPLING ADAPTER EPOXY COATED; PART #2100-0213-260 (17980)	ROR 95 [@]	190 [@] ROR
32	2.00	EA	0320 2 INCH FLANGE COUPLING ADAPTER EPOXY COATED; PART #2100-0303-260 (17981)	ROR 100 [@]	200 [@] ROR
33	2.00	EA	0330 3 INCH FLANGE COUPLING ADAPTER EPOXY COATED; PART #2100-0433-260 (17982)	ROR 27 [@]	54 [@] ROR
34	24.00	EA	0340 4 INCH FLANGE COUPLING ADAPTER EPOXY COATED; PART #2100-0563-260 (17984)	ROR 29 [@]	715 ²⁰ ROR
35	12.00	EA	0350 6 INCH FLANGE COUPLING ADAPTER EPOXY COATED; PART #2100-0768-260	49 ⁵⁰	594 [@]

10,037

INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00119704

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
36	16.00	EA	(17985) 0360 8 INCH FLANGE COUPLING ADAPTER EPOXY COATED; PART #2100-0984-260	83 ⁰⁰	1328 ⁰⁰
37	2.00	EA	(17986) 0370 10 INCH FLANGE COUPLING ADAPTER EPOXY COATED; PART #2100-1226-260	112 ⁰⁰	224 ⁰⁰
38	2.00	EA	(17988) 0380 12 INCH FLANGE COUPLING ADAPTER EPOXY COATED; PART #2100-1366-260	148 ⁵⁰	297 ⁰⁰
39	2.00	EA	(17989) 0390 12 INCH FLANGE COUPLING ADAPTER EPOXY COATED; PART #2100-1441-260	148 ⁰⁰	297 ⁰⁰
40	2.00	EA	(17990) 0400 3 INCH FLANGE COUPLING ADAPTER TEFLON COATED; PART #2103 (17999A)	26 ⁰⁰	52 ⁰⁰
41	2.00	EA	0410 4 INCH FLANGE COUPLING ADAPTER TEFLON COATED; PART #2104 (18000A)	29 ⁸⁰	596 ⁰⁰
42	2.00	EA	0420 6 INCH FLANGE COUPLING ADAPTER TEFLON COATED; PART #2106 (18001A)	49 ⁵⁰	99 ⁰⁰
43	2.00	EA	0430 8 INCH FLANGE COUPLING ADAPTER TEFLON COATED; PART #2108 (18002A)	83 ⁰⁰	166 ⁰⁰
44	2.00	EA	0440 10 INCH FLANGE COUPLING ADAPTER TEFLON COATED; PART #2110 (18003A)	112 ⁰⁰	224 ⁰⁰
45	2.00	EA	0450 12 INCH FLANGE COUPLING ADAPTER TEFLON COATED; PART #2112 (18004A)	148 ⁰⁰	297 ⁰⁰
46	2.00	EA	0460 14 INCH FLANGE COUPLING ADAPTER TEFLON COATED; PART #2114 (18005A)	350 ⁰⁰	700 ⁰⁰
47	2.00	EA	0470 16 INCH FLANGE COUPLING ADAPTER TEFLON COATED; PART #2116 (18006A)	410 ⁰⁰	820 ⁰⁰

456360

INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00119704

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
48	2.00	EA	0480 18 INCH FLANGE COUPLING ADAPTER TEFLON COATED; PART #2118 (18015A)	438 ⁰⁰	876 ⁰⁰
49	2.00	EA	0490 20 INCH FLANGE COUPLING ADAPTER TEFLON COATED; PART #2120 (18016A)	496 ⁰⁰	992 ⁰⁰
50	2.00	EA	0500 24 INCH FLANGE COUPLING ADAPTER TEFLON COATED; PART #2124 (18017A)	629 ⁰⁰	1258 ⁰⁰
51	2.00	EA	0510 30 INCH FLANGE COUPLING ADAPTER TEFLON COATED; PART #2130 (18018A)	779 ⁰⁰	1558 ⁰⁰
52	2.00	EA	0520 36 INCH FLANGE COUPLING ADAPTER TEFLON COATED; PART #2136 (18019A)	1010 ⁰⁰	2020 ⁰⁰
53	2.00	EA	0530 42 INCH FLANGE COUPLING ADAPTER TEFLON COATED; PART #2142 (18014A)	6700 ⁰⁰	13400 ⁰⁰
54	2.00	EA	0540 48 INCH FLANGE COUPLING ADAPTER TEFLON COATED; PART #2148 (18013A)	7800 ⁰⁰	15600 ⁰⁰
55	36.00	EA	0550 1.5 INCH TRANSITION COUPLING PART #2000-0213-260 (18019)	89 ⁰⁰	3204 ⁰⁰
56	60.00	EA	0560 2 INCH TRANSITION COUPLING PART #2000-0303-260 (18020)	89 ⁰⁰	5340 ⁰⁰
57	48.00	EA	0570 4 INCH TRANSITION COUPLING PART #2000-0563-260 (18031)	140 ⁰⁰	6720 ⁰⁰
58	250.00	EA	0580 6 INCH TRANSITION COUPLING PART #2000-0768-260 (18041)	198 ⁰⁰	49,500 ⁰⁰
59	150.00	EA	0590 8 INCH TRANSITION COUPLING PART #2000-0984-260 (18151)	225 ⁰⁰	33,750 ⁰⁰
60	30.00	EA	0600 10 INCH TRANSITION COUPLING PART #2000-1226-260 (18079)	290 ⁰⁰	8700 ⁰⁰

14,298⁰⁰

INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00119704

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
61	24.00	EA	0610 12 INCH TRANSITION COUPLING PART #2000-1441-260 (18155)	343 ⁰⁰	8232 ⁰⁰
62	2.00	EA	0620 14 INCH TRANSITION COUPLING PART #2000-1710-260 (18297A)	894 ⁰⁰	1788 ⁰⁰
63	2.00	EA	0630 16 INCH TRANSITION COUPLING PART #2000-1920-260 (18299)	920 ⁰⁰	1840 ⁰⁰
64	2.00	EA	0640 18 INCH TRANSITION COUPLING PART #2000-2160-260 (18300)	1080	2160 ⁰⁰
65	2.00	EA	0650 20 INCH TRANSITION COUPLING PART #2000-2360-260 (18308)	1170 ⁰⁰	2340 ⁰⁰
66	2.00	EA	0660 3 INCH JOINT RESTRAINER (D.I.) PART # 1103 DEC (51799)	19 ⁷⁰	39.40
67	2.00	EA	0670 4 INCH JOINT RESTRAINER (D.I.) PART # 1104 DEC (51800)	21 ¹⁰	42 ²⁰
68	24.00	EA	0680 6 INCH JOINT RESTRAINER (D.I.) PART # 1106 DEC (51801)	29 ¹⁸	700 ³²
69	1.00	EA	0690 8 INCH JOINT RESTRAINER (D.I.) PART # 1108 DEC (51802)	37 ⁰⁰	37 ⁰⁰
70	2.00	EA	0700 10 INCH JOINT RESTRAINER (D.I.) PART # 1110 DEC (51803)	53 ⁵⁰	107 ⁰⁰
71	1.00	EA	0710 12 INCH JOINT RESTRAINER (D.I.) PART # 1112 DEC (51804)	70 ⁵⁰	70 ⁵⁰
72	2.00	EA	0720 14 INCH JOINT RESTRAINER (D.I.) PART # 1114 DEC (51805)	90 ⁰⁰	180 ⁰⁰
73	2.00	EA	0730 16 INCH JOINT RESTRAINER (D.I.) PART # 1116 DEC (51806)	126 ⁰⁰	252 ⁰⁰

17,788⁰⁰

INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00119704

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
74	2.00	EA	0740 18 INCH JOINT RESTRAINER (D.I.) PART # 1118 DEC (51807)	167 ⁰⁰	334 ⁰⁰
75	6.00	EA	0750 20 INCH JOINT RESTRAINER (D.I.) PART # 1120 DEC (51808)	200 ⁰⁰	1200 ⁰⁰
76	2.00	EA	0760 24 INCH JOINT RESTRAINER (D.I.) PART # 1124 DEC (51809)	276 ⁰⁰	552 ⁰⁰
77	1.00	EA	0770 30 INCH JOINT RESTRAINER (D.I.) PART # 1130 DEC (51810)	790 ⁰⁰	790 ⁰⁰
78	1.00	EA	0780 36 INCH JOINT RESTRAINER (D.I.) PART # 1136 DEC (51811)	825 ⁰⁰	825 ⁰⁰
79	2.00	EA	0790 42 INCH JOINT RESTRAINER (D.I.) PART # 1142 DEC (51812)	1430 ⁰⁰	2860 ⁰⁰
80	2.00	EA	0800 48 INCH JOINT RESTRAINER (D.I.) PART # 1148 DEC (51813)	1780 ⁰⁰	3560 ⁰⁰
81	2.00	EA	0810 3 INCH JOINT RESTRAINER (C900) PART # 2003PEC (51819)	24 ⁰⁰	48 ⁰⁰
82	120.00	EA	0820 4 INCH JOINT RESTRAINER (C900) PART # 2004PEC (51820)	23 ⁵⁰	2820 ⁰⁰
83	300.00	EA	0830 6 INCH JOINT RESTRAINER (C900) PART # 2006PEC (51821)	30 ⁰⁰	9000 ⁰⁰
84	200.00	EA	0840 8 INCH JOINT RESTRAINER (C900) PART # 2008PEC (51822)	40 ⁰⁰	8000 ⁰⁰
85	2.00	EA	0850 10 INCH JOINT RESTRAINER (C900) PART # 2010PEC (51823)	72 ⁰⁰	144 ⁰⁰
86	2.00	EA	0860 12 INCH JOINT RESTRAINER (C900) PART # 2012PEC (51824)	77 ⁰⁰	154 ⁰⁰

INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00119704

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
87	2.00	EA	0870 14 INCH JOINT RESTRAINER (C900) PART # 2014PEC (51825)	119 ⁰⁰	238 ⁰⁰
88	2.00	EA	0880 16 INCH JOINT RESTRAINER (C900) PART # 2016PEC (51826)	155 ⁰⁰	310 ⁰⁰
89	2.00	EA	0890 18 INCH JOINT RESTRAINER (C900) PART # 2018PEC (51827)	189 ⁰⁰	378 ⁰⁰
90	2.00	EA	0900 20 INCH JOINT RESTRAINER (C900) PART # 2020PEC (51828)	234 ⁰⁰	468 ⁰⁰
91	4.00	EA	0910 24 INCH JOINT RESTRAINER (C900) PART # 2024PEC (51829)	269 ⁰⁰	1076 ⁰⁰
92	1.00	EA	0920 30 INCH JOINT RESTRAINER (C900) PART # 2030PEC (51830)	896 ⁰⁰	896 ⁰⁰
93	1.00	EA	0930 36 INCH JOINT RESTRAINER (C900) PART # 2036PEC (51831)	1162 ⁰⁰	1162 ⁰⁰
94	8.00	EA	0940 PIPE SIZE 6 INCH TRANSITION GASKET NOM (51132)	2 ⁰⁰	16 ⁰⁰
95	2.00	EA	0950 PIPE SIZE 8 INCH TRANSITION GASKET NOM (51133)	250	500
96	2.00	EA	0960 PIPE SIZE 10 INCH TRANSITION GASKET NOM (51134)	3 ⁰⁰	6 ⁰⁰
97	2.00	EA	0970 PIPE SIZE 12 INCH TRANSITION GASKET NOM (51135)	4 ⁰⁰	8 ⁰⁰
98	2.00	EA	0980 PIPE SIZE 3 INCH MECHANICAL JOINT GASKET; NOM: O.D. 4.875 INCH (51220)	169	338
99	2.00	EA	0990 PIPE SIZE 4 INCH MECHANICAL JOINT GASKET; NOM: O.D. 4.80 INCH (51221)	169	338

4570.56

INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00119704

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
100	60.00	EA	1000 PIPE SIZE 6 INCH MECHANICAL JOINT GASKET; NOM: O.D. 6.90 INCH (51222)	171	102 ⁶⁰
101	2.00	EA	1010 PIPE SIZE 8 INCH MECHANICAL JOINT GASKET; NOM: O.D. 9.05 INCH (51223)	201	402
102	2.00	EA	1020 PIPE SIZE 10 INCH MECHANICAL JOINT GASKET; NOM: O.D. 11.10 INCH (51224)	269	538
103	2.00	EA	1030 PIPE SIZE 12 INCH MECHANICAL JOINT GASKET; NOM: O.D. 13.20 INCH (51225)	3 ³⁶	6 ⁷²
104	2.00	EA	1040 PIPE SIZE 14 INCH MECHANICAL JOINT GASKET; NOM: O.D. 15.30 INCH (51226)	5 ⁷⁰	11 ⁴⁰
105	2.00	EA	1050 PIPE SIZE 16 INCH MECHANICAL JOINT GASKET; NOM: O.D. 17.40 INCH (51227)	5 ⁷⁰	11 ⁴⁰
106	2.00	EA	1060 PIPE SIZE 18 INCH MECHANICAL JOINT GASKET; NOM: O.D. 19.50 INCH (51228)	6 ⁷⁰	13 ⁴⁰
107	2.00	EA	1070 PIPE SIZE 20 INCH MECHANICAL JOINT GASKET; NOM: O.D. 21.60 INCH (51229)	7 ⁴⁰	14 ⁸⁰
108	2.00	EA	1080 PIPE SIZE 24 INCH MECHANICAL JOINT GASKET; NOM: O.D. 25.80 INCH (51230)	9 ¹⁰	18 ²⁰
109	2.00	EA	1090 PIPE SIZE 30 INCH MECHANICAL JOINT GASKET; NOM: O.D. 32.00 INCH (51231)	21 ⁸⁰	43 ⁶⁰
110	2.00	EA	1100 PIPE SIZE 36 INCH MECHANICAL JOINT GASKET; NOM: O.D. 38.30 INCH (51232)	24 ⁸⁰	49 ⁶⁰ <i>RR</i>
111	2.00	EA	1110 PIPE SIZE 42 INCH MECHANICAL JOINT GASKET; NOM: O.D. 44.50 INCH (51233)	52 ⁰⁰	104 ⁰⁰
112	2.00	EA	1120 PIPE SIZE 48 INCH MECHANICAL JOINT GASKET; NOM: O.D. 50.80 INCH (51234)	56 ⁰⁰	112 ⁰⁰

A94-42

INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00119704

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
113	288.00	EA	1130 PIPE LUBRICANT (50180)	975	1950 ⁰⁰
114	2.00	EA	1140 4 INCH DUCTILE IRON BODY TRANSITIONAL COUPLINGS 4 - 12 INCHES (NON-RESTRAINED)	141 ⁰⁰	282 ⁰⁰
115	2.00	EA	1150 6 INCH DUCTILE IRON BODY TRANSITIONAL COUPLINGS 4 - 12 INCHES (BIB-RESTRAINED)	183 ⁰⁰	366 ⁰⁰
116	2.00	EA	1160 8 INCH DUCTILE IRON BODY TRANSITIONAL COUPLINGS 4 - 12 INCHES (NON-RESTRAINED)	235 ⁰⁰	470 ⁰⁰
117	2.00	EA	1170 10 INCH DUCTILE IRON BODY TRANSITIONAL COUPLINGS 4 - 12 INCHES (NON-RESTRAINED)	433 ⁰⁰	866 ⁰⁰
118	2.00	EA	1180 12 INCH DUCTILE IRON BODY TRANSITIONAL COUPLINGS 4 - 12 INCHES (NON-RESTRAINED)	475 ⁰⁰	950 ⁰⁰
119	24.00	EA	1190 14 INCH X 12 INCH REDUCING COUPLING HYMAX #861560315035316 (18156)	\$1650 ⁰⁰	39,600 ⁰⁰

44,484

Non-Public Works Bid

AFFIDAVIT

STATE OF LOUISIANA

PARISH/COUNTY OF JEFFERSON

BEFORE ME, the undersigned authority, personally came and appeared: ROBERT
A. ROGERS, (Affiant) who after being by me duly sworn, deposed and said that
he/she is the fully authorized Rep. of Consolidated Pipe (Entity),

the party who submitted a bid in response to Bid Number 50-00119704 to the Parish of
Jefferson.

Affiant further said:

Campaign Contribution Disclosures

(Choose A or B, if option A is indicated please include the required attachment):

Choice A _____

Attached hereto is a list of all campaign contributions, including the date and amount of each contribution, made to current or former elected officials of the Parish of Jefferson by Entity, Affiant, and/or officers, directors and owners, including employees, owning 25% or more of the Entity during the two-year period immediately preceding the date of this affidavit or the current term of the elected official, whichever is greater. Further, Entity, Affiant, and/or Entity Owners have not made any contributions to or in support of current or former members of the Jefferson Parish Council or the Jefferson Parish President through or in the name of another person or legal entity, either directly or indirectly.

Choice B ☒ _____

there are **NO** campaign contributions made which would require disclosure under Choice A of this section.

Debt Disclosures

(Choose A or B, if option A is indicated please include the required attachment):

Choice A _____ Attached hereto is a list of all debts owed by the affiant to any elected or appointed official of the Parish of Jefferson, and any and all debts owed by any elected or appointed official of the Parish to the Affiant.

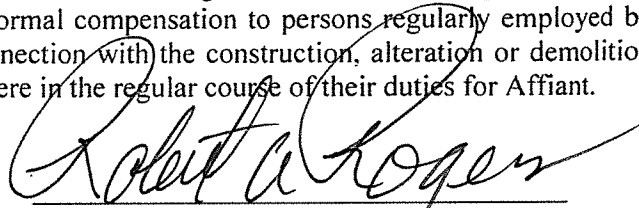
Choice B ✓ _____ There are **NO** debts which would require disclosure under Choice A of this section.

Affiant further said:

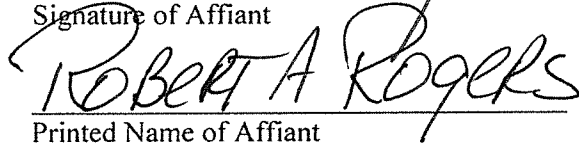
~~That Affiant has employed no person, corporation, firm, association, or other organization, either directly or indirectly, to secure the public contract under which he received payment, other than persons regularly employed by the Affiant whose services in connection with the construction, alteration or demolition of the public building or project or in securing the public contract were in the regular course of their duties for Affiant; and~~

[The remainder of this page is intentionally left blank.]

That no part of the contract price received by Affiant was paid or will be paid to any person, corporation, firm, association, or other organization for soliciting the contract, other than the payment of their normal compensation to persons regularly employed by the Affiant whose services in connection with the construction, alteration or demolition of the public building or project were in the regular course of their duties for Affiant.



Signature of Affiant

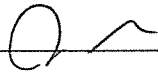


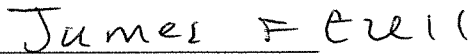
Printed Name of Affiant

SWORN AND SUBSCRIBED TO BEFORE ME

ON THE 23 DAY OF mar, 2017

Notary Public





Printed Name of Notary

Notary/Bar Roll Number



OFFICIAL SEAL
JAMES F. EZELL
NOTARY PUBLIC - LOUISIANA
NOTARY #53735
PARISH OF JEFFERSON
My Commission Is For Life

My commission expires _____.

[Print](#)

Notary Search - Detail

Name: MR. JAMES F. EZELL
Address: 5860 CITRUS BLVD SUITE D
RIVER RIDGE, LA 70123
Phone: (504) 733-9101
Notary ID Number: 53735
Parish: JEFFERSON with authority in the following parishes:
ORLEANS, PLAQUEMINES, ST. BERNARD
Agency: N/A
Notary Type: Non Attorney
Status: Active
Commission Date: 07/18/2002
Oath Date: 05/09/2007
Surety Expiration Date: 11/12/2021
Annual Report Current: Yes

Notary Events

Suspension From: 11/14/2016 To: 11/21/2016
Suspension From: 09/17/2012 To: 09/20/2012
Parish Change Previous Parish: Previous Commission Date:
EAST BATON ROUGE 11/26/1996

Deceased, Inactivated, Leave of Absence, Pre-Assessment Registration, Pre-Assessment Taken, Resigned, Retirement, and Revoked events are not available prior to February 11, 2012.

[Back to Search Results](#)[New Search](#)



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
05/23/2017

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER MCGRUFF, SEIBELS & WILLIAMS, INC. P.O. Box 10265 Birmingham, AL 35202	CONTACT NAME: PHONE (A/C, No, Ext): 800-476-2211 FAX (A/C, No): E-MAIL: ADDRESS:
	INSURER(S) AFFORDING COVERAGE INSURER A :Phoenix Insurance Company INSURER B :Travelers Property Casualty Company of America INSURER C :Sentry Insurance Company INSURER D :Alabama Self Insured WC Fund INSURER E :Midwest Employers Cas Co INSURER F :
INSURED Consolidated Pipe and Supply Company, Inc. Post Office Box 2472 Birmingham, AL 35201	NAIC # 25674

COVERAGES

CERTIFICATE NUMBER: 8CM5W9JV

REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL SUBR INSD WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:		630-4358N052	05/01/2017	05/01/2018	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 100,000 MED EXP (Any one person) \$ 5,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 5,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000
A	AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> NON-OWNED AUTOS ONLY		810-4358N052	05/01/2017	05/01/2018	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$
B	UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED <input type="checkbox"/> RETENTION \$		CUP-4J614058	05/01/2017	05/01/2018	EACH OCCURRENCE \$ 5,000,000 AGGREGATE \$ 5,000,000
C D E	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N <input type="checkbox"/> N/A	416900 WC10004169002017A (AL) 90527880100171 (Sentry)	01/01/2017	01/01/2018	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

CERTIFICATE HOLDER

CANCELLATION

Parish of Jefferson, LA	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.
	AUTHORIZED REPRESENTATIVE

Request for Taxpayer Identification Number and Certification

Give Form to the
requester. Do not
send to the IRS.

Print or type See Specific Instructions on page 2.	1 Name (as shown on your income tax return). Name is required on this line; do not leave this line blank. Consolidated Pipe & Supply Company, Inc.	
	2 Business name/disregarded entity name, if different from above	
	3 Check appropriate box for federal tax classification; check only one of the following seven boxes: <input type="checkbox"/> Individual/sole proprietor or single-member LLC <input type="checkbox"/> Limited liability company. Enter the tax classification (C=C corporation, S=S corporation, P=partnership) ▶ Note. For a single-member LLC that is disregarded, do not check LLC; check the appropriate box in the line above for the tax classification of the single-member owner. <input type="checkbox"/> Other (see instructions) ▶	4 Exemptions (codes apply only to certain entities, not individuals; see instructions on page 3): Exempt payee code (if any) 5 Exemption from FATCA reporting code (if any) <i>(Applies to accounts maintained outside the U.S.)</i>
	5 Address (number, street, and apt. or suite no.) 1205 Hilltop Pkwy	Requester's name and address (optional)
	6 City, state, and ZIP code Birmingham, AL 35204	
	7 List account number(s) here (optional)	

Part I Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. The TIN provided must match the name given on line 1 to avoid backup withholding. For individuals, this is generally your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the Part I instructions on page 3. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN* on page 3.

Note. If the account is in more than one name, see the instructions for line 1 and the chart on page 4 for guidelines on whose number to enter.

Social security number								
				-				
or								
Employer identification number								
6	3		-	0	4	1	8	3
							8	4

Part II Certification

Under penalties of perjury, I certify that:

- The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me); and
- I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding; and
- I am a U.S. citizen or other U.S. person (defined below); and
- The FATCA code(s) entered on this form (if any) indicating that I am exempt from FATCA reporting is correct.

Certification instructions. You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions on page 3.

Sign
Here

Signature of
U.S. person ▶

Date ▶

1/12/2016

General Instructions

Section references are to the Internal Revenue Code unless otherwise noted.

Future developments. Information about developments affecting Form W-9 (such as legislation enacted after we release it) is at www.irs.gov/fw9.

Purpose of Form

An individual or entity (Form W-9 requester) who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) which may be your social security number (SSN), individual taxpayer identification number (ITIN), adoption taxpayer identification number (ATIN), or employer identification number (EIN), to report on an information return the amount paid to you, or other amount reportable on an information return. Examples of information returns include, but are not limited to, the following:

- Form 1099-INT (interest earned or paid)
- Form 1099-DIV (dividends, including those from stocks or mutual funds)
- Form 1099-MISC (various types of income, prizes, awards, or gross proceeds)
- Form 1099-B (stock or mutual fund sales and certain other transactions by brokers)
- Form 1099-S (proceeds from real estate transactions)
- Form 1099-K (merchant card and third party network transactions)

- Form 1098 (home mortgage interest), 1098-E (student loan interest), 1098-T (tuition)
- Form 1099-C (canceled debt)
- Form 1099-A (acquisition or abandonment of secured property)

Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN.

If you do not return Form W-9 to the requester with a TIN, you might be subject to backup withholding. See *What is backup withholding?* on page 2.

By signing the filled-out form, you:

- Certify that the TIN you are giving is correct (or you are waiting for a number to be issued).
- Certify that you are not subject to backup withholding, or
- Claim exemption from backup withholding if you are a U.S. exempt payee. If applicable, you are also certifying that as a U.S. person, your allocable share of any partnership income from a U.S. trade or business is not subject to the withholding tax on foreign partners' share of effectively connected income, and
- Certify that FATCA code(s) entered on this form (if any) indicating that you are exempt from the FATCA reporting, is correct. See *What is FATCA reporting?* on page 2 for further information.

CORPORATE RESOLUTION

EXCERPT FROM MINUTES OF MEETING OF THE BOARD OF DIRECTORS OF
CONSOLIDATED PIPE & SUPPLY COMPANY
INCORPORATED.

AT THE MEETING OF DIRECTORS OF CONSOLIDATED PIPE & SUPPLY COMPANY
INCORPORATED, DULY NOTICED AND HELD ON SEPTEMBER 6, 2016,
A QUORUM BEING THERE PRESENT, ON MOTION DULY MADE AND SECONDED. IT
WAS:

RESOLVED THAT ROBERT A. ROGERS, BE AND IS HEREBY
APPOINTED, CONSTITUTED AND DESIGNATED AS AGENT AND ATTORNEY-IN-
FACT OF THE CORPORATION WITH FULL POWER AND AUTHORITY TO ACT ON
BEHALF OF THIS CORPORATION IN ALL NEGOTIATIONS, BIDDING, CONCERNS
AND TRANSACTIONS WITH THE PARISH OF JEFFERSON OR ANY OF ITS AGENCIES,
DEPARTMENTS, EMPLOYEES OR AGENTS, INCLUDING BUT NOT LIMITED TO, THE
EXECUTION OF ALL BIDS, PAPERS, DOCUMENTS, AFFIDAVITS, BONDS, SURETIES,
CONTRACTS AND ACTS AND TO RECEIVE ALL PURCHASE ORDERS AND NOTICES
ISSUED PURSUANT TO THE PROVISIONS OF ANY SUCH BID OR CONTRACT, THIS
CORPORATION HEREBY RATIFYING, APPROVING, CONFIRMING, AND ACCEPTING
EACH AND EVERY SUCH ACT PERFORMED BY SAID AGENT AND ATTORNEY-IN-
FACT.

I HEREBY CERTIFY THE FOREGOING TO BE
A TRUE AND CORRECT COPY OF AN
EXCERPT OF THE MINUTES OF THE ABOVE
DATED MEETING OF THE BOARD OF
DIRECTORS OF SAID CORPORATION, AND
THE SAME HAS NOT BEEN REVOKED OR
RESCINDED.

Bobby Houston
SECRETARY-TREASURER

9/7/2016
DATE



JOINT RESTRAINT PRODUCTS

JRCAT.14.01




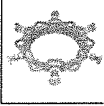


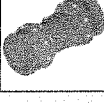
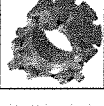
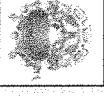
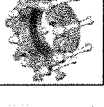




Star® Pipe Products
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Houston, TX 77082

Toll-Free: (800) 999-3009
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www.starpipeproducts.com

Table of Contents

PRODUCTS

	GENERAL TERMS & CONDITIONS	pg. 2
	STARGRIP® Series 3000, 3000OS, 3000S, 3000T, 3100P, 3100S Mechanical Joint Wedge Action Restraints for Ductile Iron pipe.	pg. 3 - 16 Nom. pipe size: 3"-48"
	PVC STARGRIP® Series 4000, 4100P, 4400 Mechanical Joint Wedge Action Restraint for C900/C905 and IPS PVC pipe.	pg. 17 - 26 Nom. pipe size: 3"-36"
	PVC RING LOCK (PVCGRIP™) Series 3500 Mechanical Joint 360° ring type restraint system designed for C900/C905 and IPS PVC pipe.	pg. 27 - 30 Nom. pipe size: 4"-16"
	PVC PIPE RESTRAINERS Series 1000, 1100, 1200, 1200R Joint Restraint for MJ and Push On fittings for C900/C905 and IPS PVC pipe to pipe connections and PVC pressure fittings.	pg. 31 - 46 Nom. pipe size: 4"-48"
	STARFLEX™ Series 5000, 5100, 5200, 5300 Flexible expansion joint for the protection of water, wastewater and industrial pipelines.	pg. 47 - 62 Nom. pipe size: 3"-48"
	STARFLANGE™ Series 3200 Restraint flange adapter coupling for Ductile Iron pipe.	pg. 63 - 66 Nom. pipe size: 3"-36"
	PVC STARFLANGE™ Series 4200 Restraint flange adapter coupling for PVC pipe.	pg. 67 - 70 Nom. pipe size: 3"-36"
	SUPER FLANGE™ Series 7200 Restrains and adapts plain end pipe to flanged components	pg. 71 - 74 Nom. pipe size: 3"-36"
	MJ x MJ ADAPTER Series 100 Adapter for MJ Bell Connections	pg. 75 - 78 Nom. pipe size: 3"-36"
	ADAPTER FLANGE Series 200, 400 Flange adapters for Ductile Iron and Steel pipe. Standard and heavy duty.	pg. 79 - 82 Nom. pipe size: 3"-36"
	HEAVY DUTY RETAINER GLAND Series 600 Mechanical joint retainer glands for ductile iron pipe.	pg. 83 - 86 Nom. pipe size: 3"-36"
	HARDWARE Starlug, Eye Bolts, Zinc Caps	pg. 87 - 90

►► Please refer to Star Pipe Products' web site (www.starpipeproducts.com) for updated information.



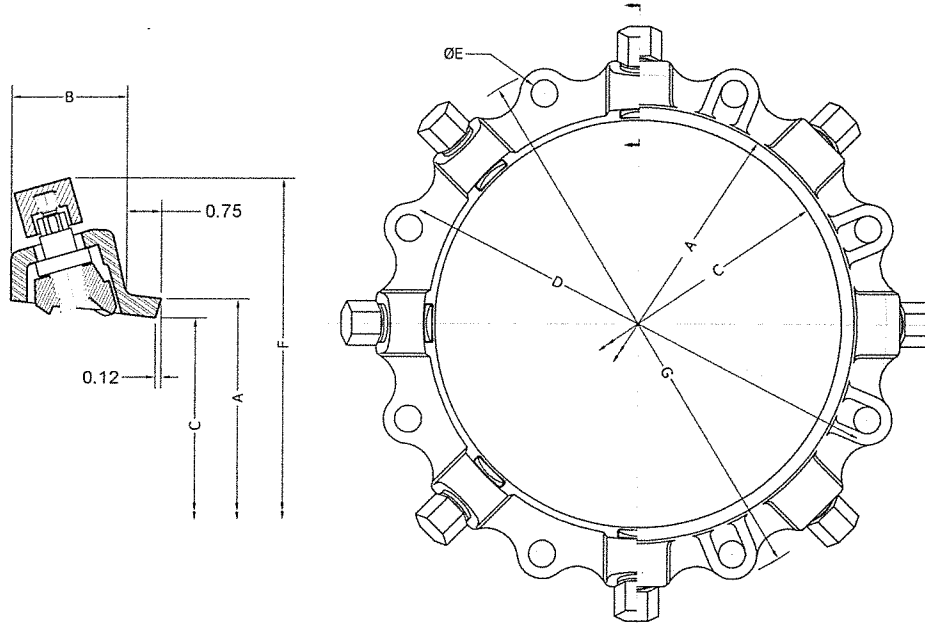
STAR PIPE PRODUCTS



Stargrip® series 3000

Mechanical Joint Wedge Action Restraint
for Ductile Iron Pipe
Patent #5,772,252

TECHNICAL INFORMATION



STARGRIP® 3000 SPECIFICATIONS*

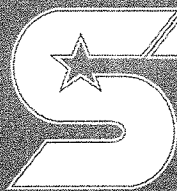
NOM. SIZE	MAX PRESSURE RATING (PSI)	A	B	C	D	E	F	F W/NUTS TWISTED OFF	G	NO. OF WEDGES	NO. OF T-BOLTS	APPROX WT. (LBS)
3	350	4.84	2.40	4.06	6.19	3/4	9.85	8.78	8.13	2	4	7
4	350	5.92	2.40	4.90	7.50	7/8	11.06	9.62	9.12	2	4	9
6	350	8.02	2.40	7.00	9.50	7/8	13.06	11.72	11.12	3	6	13
8	350	10.17	2.51	9.15	11.75	7/8	15.25	13.84	13.37	4	6	17
10	350	12.22	2.51	11.20	14.00	7/8	17.25	15.88	15.62	6	8	23
12	350	14.32	2.51	13.30	16.25	7/8	19.50	17.98	17.88	8	8	31
14	350	16.40	2.91	15.44	18.75	7/8	21.25	20.12	20.90	10	10	54
16	350	18.50	2.91	17.54	21.00	7/8	23.34	22.22	23.00	12	12	60
18	250	20.60	2.91	19.64	23.25	7/8	26.40	24.90	25.25	12	12	69
20	250	22.70	2.67	21.74	25.50	7/8	28.56	27.00	27.50	14	14	72
24	250	26.90	3.50	25.94	30.00	7/8	33.86	32.34	31.54	16	16	170
30	250	33.29	3.49	32.17	36.88	1-1/8	40.12	38.62	39.12	20	20	197
36	250	39.59	3.49	38.47	43.75	1-1/8	46.42	44.92	46.00	24	24	242
42	250	45.79	5.15	44.75	50.62	1-3/8	54.86	53.32	53.12	28	28	425
48	250	52.09	5.15	51.05	57.50	1-3/8	61.16	59.62	60.00	32	32	500

*All dimensions in inches except where indicated.

Notes:

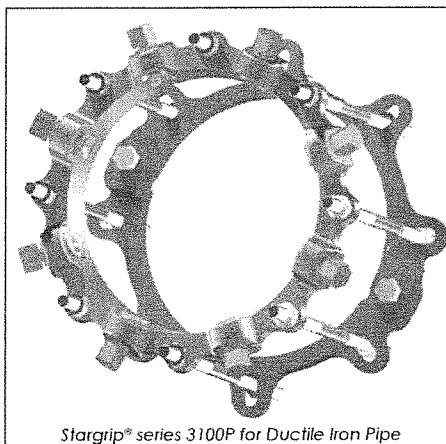
- Stargrips® must be adequately wrapped or protected if they are covered by concrete to ensure that concrete does not enter the wedge pocket.
- For applications exceeding the maximum pressure ratings listed, please contact Star Pipe Products for recommendations (see Tandem Stargrip® on page 10).
- For applications on existing pipe, the pipe needs to be structurally sound and the surface needs to be relatively free of any corrosive by-products in order for the wedges to function properly. Please contact Star Pipe Products for technical assistance.
- Sizes 42" & 48" require extra long 1 1/4" x 8 1/2" T-bolts.





Stargrip[®] series 3100P

Wedge Action Restraint
for Ductile Iron Pipe Bells - New Installations



Stargrip[®] series 3100P for Ductile Iron Pipe

FEATURES & ADVANTAGES

- Stargrip[®] and split back-up rings are manufactured from Ductile Iron per ASTM A536, Grade 65-45-12.
- Includes Stargrip[®] and Split Back-Up Ring (for sizes 3"-36") or two Stargrips[®] for sizes 42"-48" and high strength low alloy steel double ended rods and nuts which meet the requirements of ANSI/AWWA C111/A21.11
- Minimum Safety Factor 2:1
- For use on all classes of Ductile Iron Pipe
- For new pipe-to-pipe installations only
- Pipe OD must be gauged overall to assure restraint will fit properly.
- Please refer to chart for maximum bell outside diameter for rod clearance.
- Standard gland color is Graphite Black (RAL 9011).
- May also be used on steel pipe up to 12". For 14" and larger steel applications, contact Star Pipe.

TECHNICAL INFORMATION

SPLIT STARGRIP[®] 3100P SPECIFICATIONS*

NOM. SIZE	MAX PRESSURE RATING (PSI)	RODS (QTY)	ROD DIA x LENGTH	MAX. BELL OD	APPROX WT. (LBS)
3	350	4	5/8 x 17	5.57	19
4	350	4	3/4 x 17	6.75	23
6	350	6	3/4 x 17	9.27	35
8	350	6	3/4 x 17	11.63	42
10	350	8	3/4 x 24	13.37	60
12	350	8	3/4 x 24	16.60	76
14	350	8	3/4 x 24	19.17	121
16	350	10	3/4 x 24	21.41	142
18	250	10	3/4 x 24	23.64	165
20	250	12	3/4 x 24	26.05	192
24	250	14	3/4 x 24	30.78	276
30	250	18	1 x 24	37.39	499
36	250	22	1 x 24	44.42	495
**42	250	28	1 1/4 x 30	49.37	996
**48	250	32	1 1/4 x 30	56.25	1175

*All dimensions in inches except where indicated.

** For sizes 42" and 48" two Stargrips[®] are provided, one on the spigot and one behind the bell.

SAMPLE SPECIFICATIONS

Restraint mechanism shall be integrated into the design of the gland. As the mechanism is activated, multiple wedging action shall be imparted against the pipe increasing its resistance as internal pressure increases. After burial of the restraining mechanism, joint flexibility shall be maintained.

The actuating bolt shall be threaded into the restraining wedge and have a 1-1/4" hex operating nut. The operating nut shall be threaded onto the actuating bolt, not swaged or riveted. The restraining twist off nut bolt system shall have a torque-limiting feature designed to break off at preset torque levels, thus insuring proper action of restraining device. Glands shall be manufactured of high strength ductile iron in accordance with ASTM A536 Grade 65-45-12 requirements. The wedge shall be manufactured of high strength ductile iron and be heat treated to a minimum hardness of 370 BHN.

The mechanical joint restraint mechanism shall have a maximum water working pressure of 350 PSI for sizes 3"-16" and 250 PSI for sizes 18" and above. All sizes shall have a minimum safety factor of 2:1 (i.e. twice the maximum pressure rating of the restraint). The restraint mechanism shall be Star[®] Pipe Products, Stargrip[®] series 3100P or an approved equal.

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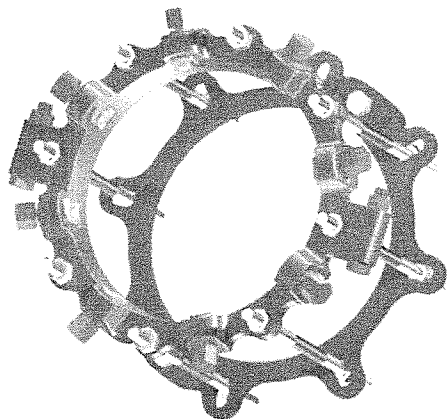
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Split Stargrip[®] series 3100S

Split Wedge Action Restraint
for Ductile Iron Pipe - New or Existing Installations
Patent #5,772,252



Split Stargrip[®] series 3100S for Ductile Iron Pipe

FEATURES & ADVANTAGES

- Split Stargrip[®] series 3000S and Split Back-Up ring produced from Ductile Iron per ASTM A536, Grade 65-45-12.
- Includes Stargrip[®] series 3000S, Split Back-Up Ring and high strength low alloy steel double ended rods and nuts which meet the requirements of ANSI/AWWA C111/A21.11
- Minimum Safety Factor 2:1
- For use on all classes of Ductile Iron Pipe
- For new and existing pipe to pipe installations
- Pipe OD must be gauged overall to assure restraint will fit properly.
- Please refer to chart for maximum bell outside diameter for rod clearance.
- Standard gland color is Graphite Black (RAL 9011).
- May also be used on steel pipe up to 12". For 14" and larger steel applications, contact Star Pipe.

TECHNICAL INFORMATION

SPLIT STARGRIP[®] 3100S SPECIFICATIONS*

NOM. SIZE	MAX PRESSURE RATING (PSI)	RODS (QTY)	ROD DIA x LENGTH	MAX. BELL OD	APPROX WT. (LBS)
3	350	4	5/8 x 17	5.57	22
4	350	4	3/4 x 17	6.75	26
6	350	6	3/4 x 17	9.27	36
8	350	6	3/4 x 17	11.63	42
10	300	8	3/4 x 24	13.37	64
12	300	8	3/4 x 24	16.60	78
14	300	8	3/4 x 24	19.17	122
16	300	10	3/4 x 24	21.41	142
18	200	10	3/4 x 24	23.64	154
20	200	12	3/4 x 24	26.05	186
24	200	14	3/4 x 24	30.78	288
30	200	18	1 x 24	37.39	485
36	200	22	1 x 24	44.42	600
42	175	28	1 1/4 x 30	49.37	1242
48	175	32	1 1/4 x 30	56.25	1423

*All dimensions in inches except where indicated.

SAMPLE SPECIFICATIONS

Restraint for DI push on bells shall incorporate the use of a split restraint and split follower into its design. Split restrainer mechanism shall be integrated into the design of the gland. As the mechanism is activated, multiple wedging action shall be imparted against the pipe increasing its resistance as internal pressure increases. After burial of the restraining mechanism, joint flexibility shall be maintained.

The actuating bolt shall be threaded into the restraining wedge and have a 1-1/4" hex operating nut. The operating nut shall be threaded onto the actuating bolt, not swaged or riveted. The restraining twist off nut bolt system shall have a torque-limiting feature designed to break off at preset torque levels, thus insuring proper action of restraining device. Split follower shall be manufactured of high strength ductile iron in accordance with ASTM A536 Grade 65-45-12 requirements. The wedge shall be manufactured of high strength ductile iron and be heat treated to a minimum hardness of 370 BHN.

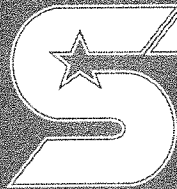
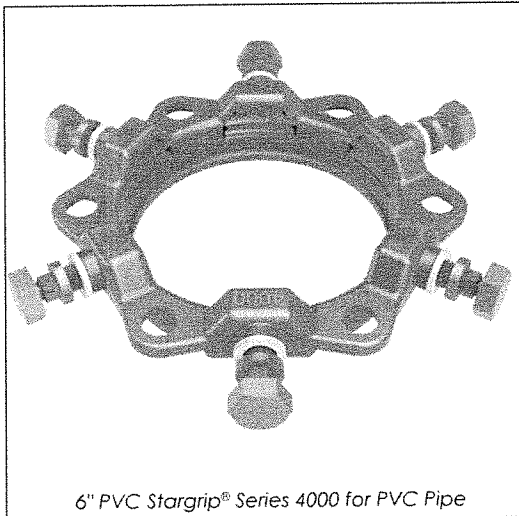
The split mechanical joint restraint shall have a maximum water working pressure of 350 PSI for sizes 3" - 8", 300 PSI for sizes 10" - 16", 200 PSI for sizes 18" - 36" & 175 PSI for sizes 42" - 48". All sizes shall have a minimum safety factor of 2:1 (i.e. twice the maximum pressure rating of the restraint). The restraint mechanism shall be Star[®] Pipe Products, Split Stargrip[®] series 3100S or an approved equal.

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**PVC Stargrip[®] series 4000**Mechanical Joint Wedge Action Restraint
for AWWA C900/C905 and IPS PVC Pipe6" PVC Stargrip[®] Series 4000 for PVC Pipe**INFORMATION**

The PVC Stargrip[®] Mechanical Joint Restraint System is a unique product with a proven design that provides an exceptional restraining system for mechanical joint fittings (AWWA C153 or C110), valves, fire hydrants on all classes of PVC pipe.

**Unique Product with
a Proven Design****FEATURES & ADVANTAGES**

- The design has been proven in the market since 1992.
- Can be used on 4"-12" AWWA C900, 14"-36" AWWA C905 PVC pipe or 3"-12" IPS PVC pipe* (***transition gasket required on IPS PVC Pipe 12" and under**).
- Gland is made from high strength Ductile Iron per ASTM A536 Grade 65-45-12 and is compatible with all Mechanical Joints Conforming to ANSI/AWWA C111/A21.11.
- Eliminates tie rods and thrust blocks
- Listed with Underwriters Laboratories in sizes 4"-12" for use on DR18 class 235 C900 PVC pipe at 150 PSI. Approved by Factory Mutual Research in sizes 4"-12" for use on DR18 class 235 at 150 PSI and for sizes 4"-10" DR14 class 305 C900 PVC pipe at 200 PSI.
- Tested to and meets the requirements of ASTM F1674 through 14" size for DR18 PVC pipe.
- The safety factor is twice (2:1) the standardized pressure rating listed on Page 18.
- Will fit any Mechanical Joint configuration, meaning compatibility with different types of installations.
- PVC Stargrip[®] offers 5° deflection through 12", 3° on 14"-24" and 2° on 30"-36".
- Larger ID allows easier installation on out-of-round pipe.
- Torque limiting bolts are designed so that you can't over torque and damage PVC pipe.
- All sizes have curved wedges that will not flatten pipe.
- For use on HDPE or C909 pipe, please contact Star Engineering.
- Standard gland color is Coral Red (RAL 3016).

SAMPLE SPECIFICATIONS

Restrainer mechanism shall be integrated into the design of the follower gland. As the mechanism is activated, multiple wedging action shall be imparted against the pipe increasing its resistance as internal pressure increases. After burial of the restraining mechanism, joint flexibility shall be maintained.

The actuating bolt shall be threaded into the gland and have a 1-1/4" hex operating nut. The actuating bolt system shall have a torque-limiting head designed to break off at preset torque levels, thus insuring proper action of the restraining device. After removal of the torque-limiting head, a secondary hex head shall remain to facilitate the removal and re-assembly of the gland. Glands, bolts and wedges shall be manufactured of high strength ductile iron in accordance with ASTM A536 Grade 65-45-12 requirements.

Applicable dimensions conforming to ANSI/AWWA C111/A21.11, C110/A21.10 and C153/A21.53 and shall be incorporated into the design so that the device facilitates use with standard mechanical joint sockets.

The restraining mechanism shall have a pressure rating as stated in most current catalog and shall have a safety factor of at least 2:1. The restraining device for C900/C905 PVC and IPS PVC Pipe shall be Star[®] Pipe Products PVC Stargrip[®] Series 4000 or equal.

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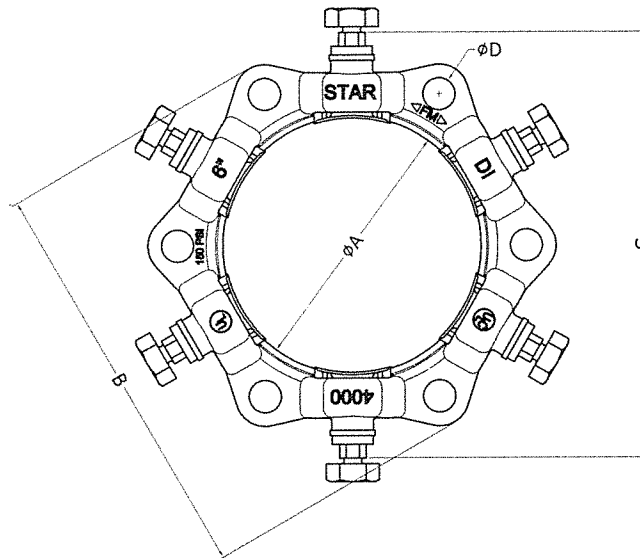
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www.starpipeproducts.com



PVC Stargrip® series 4000

Mechanical Joint Wedge Action Restraint
for AWWA C900/C905 and IPS PVC Pipe

TECHNICAL INFORMATION



6" PVC Stargrip® Series 4000 for PVC Pipe

PVC STARGRIP® 4000 SPECIFICATIONS*

NOM. SIZE	C900/C905 PIPE CI OD	IPS PIPE OD (TRANSITION GASKET REQUIRED)	ØA	B	C'	ØD	T-BOLTS SIZE (QTY)	WEDGES (QTY)	APPROX WT. (LBS)
3	N/A	3.50	4.09	7.69	8.50	3/4	5/8 (4)	4	7
4	4.80	4.50	4.93	9.12	9.53	7/8	3/4 (4)	4	9
6	6.90	6.63	7.03	11.12	11.63	7/8	3/4 (6)	6	13
8	9.05	8.63	9.18	13.37	13.97	7/8	3/4 (6)	6	17
10	11.10	10.75	11.23	15.62	16.18	7/8	3/4 (8)	8	23
12	13.20	12.75	13.33	17.87	18.18	7/8	3/4 (8)	8	28
14	15.30	N/A	15.45	20.75	20.36	7/8	3/4 (10)	10	50
16	17.40	N/A	17.55	23.00	22.46	7/8	3/4 (12)	12	60
18	19.50	N/A	19.65	25.25	24.56	7/8	3/4 (12)	12	65
20	21.60	N/A	21.75	27.50	26.66	7/8	3/4 (14)	14	76
24	25.80	N/A	25.95	32.00	30.86	7/8	3/4 (16)	16	98
30	32.00	N/A	32.18	39.38	36.82	1-1/8	1 (20)	20	173
36	38.30	N/A	38.48	46.25	43.12	1-1/8	1 (24)	24	219

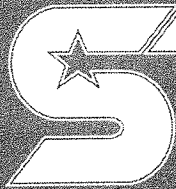
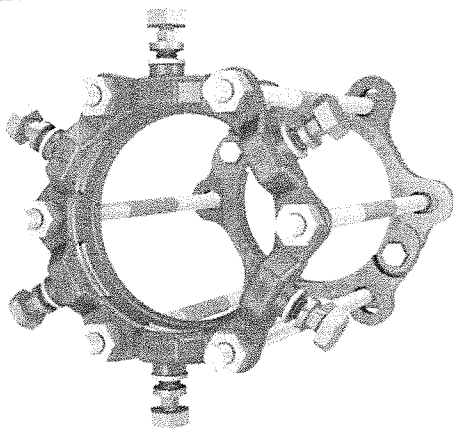
*All dimensions in inches except where indicated.

1 - dimension after assembly on pipe

MAXIMUM WORKING PRESSURE RATING WITH OCCASSIONAL & RECURRING SURGES

NOM. SIZE (IN)	C900			C905				ASTM D2241		
	DR14	DR18	DR25	DR18	DR21	DR25	DR32.5	SDR17	SDR21	SDR26
3								250	200	160
4	305	235	165					250	200	160
6	305	235	165					250	200	160
8	305	235	165					250	200	160
10	305	235	165					250	200	160
12	305	235	165					250	200	160
14				235	200	165	125			
16				235	200	165	125			
18				235	200	165	125			
20				235	200	165	125			
24				235	200	165	125			
30						165	125			
36						165	125			



**PVC Stargrip® series 4100P**Wedge Action Restraint for AWWA C900/C905 PVC Pipe Bells
New Installations Only

6" PVC Stargrip® Series 4100P for PVC pipe

FEATURES & ADVANTAGES

- For use on ANSI/AWWA C900/C905 CI OD PVC pipe
- For new Push-On Pipe Bell installations only
- Includes PVC Stargrip®, Split Back-Up Ring and high strength low alloy steel double ended rods and nuts which meet the requirements of ANSI/AWWA C111/A21.11
- Please refer to chart for maximum bell outside diameter for rod clearance.
- The safety factor is twice (2:1) the product pressure rating (see chart on pg. 18).
- Standard gland color is Coral Red (RAL 3016).

New Installations Only**TECHNICAL INFORMATION****PVC STARGRIP® 4100P SPECIFICATIONS***

NOM. SIZE	RODS (QTY)	ROD DIA x LENGTH	MAX. BELL OD	APPROX WT. (LBS)
4	4	3/4 x 17	6.75	24
6	6	3/4 x 17	9.23	34
8	6	3/4 x 17	11.50	42
10	8	3/4 x 24	14.15	61
12	8	3/4 x 24	16.53	70
14	8	3/4 x 24	19.57	121
16	10	3/4 x 24	21.13	144
18	10	3/4 x 24	23.47	161
20	12	3/4 x 24	25.55	189
24	14	3/4 x 30	30.79	250
30	18	1 x 40	37.99	470
36	22	1 x 40	45.40	576

*All dimensions in inches except where indicated. See page 22 for installation instructions.

SAMPLE SPECIFICATIONS

Restraint for PVC push-on bells shall incorporate the use of a solid wedge action restraint and split follower into its design. Restrainer mechanism shall be integrated into the design of the follower gland. As the mechanism is activated, multiple wedging action shall be imparted against the pipe increasing its resistance as internal pressure increases. After burial of the restraining mechanism, joint flexibility shall be maintained.

The actuating bolt shall be threaded into the gland and have a 1-1/4" hex operating nut. The actuating bolt system shall have a torque-limiting head designed to break off at preset torque levels, thus insuring proper action of the restraining device. After removal of the torque-limiting head, a secondary hex head shall remain to facilitate the removal and re-assembly of the gland. Glands, bolts and wedges shall be manufactured of high strength ductile iron in accordance with ASTM A536 Grade 65-45-12 requirements.

Applicable dimensions conforming to ANSI/AWWA C111/A21.11, C110/A21.10 and C153/A21.53 and shall be incorporated into the design so that the device facilitates use with standard mechanical joint sockets.

All sizes shall have a minimum safety factor of 2:1 (i.e. twice the product pressure rating as stated in most current catalog). The restraint mechanism shall be Star® Pipe Products, PVC Stargrip® series 4100P or approved equal.

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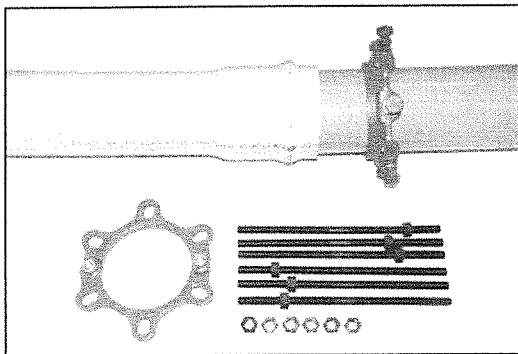
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www.starpipeproducts.com



PVC Stargrip® series 4100P

Wedge Action Restraint for AWWA C900/C905 PVC Pipe Bells
New Installations Only

INSTALLATION INSTRUCTIONS - SIZES 4" - 36"

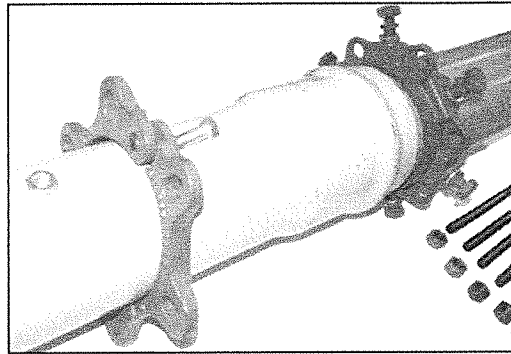


STEP 1

PVC Stargrip® Series 4100P is designed to restrain PVC Pipe, conforming to AWWA/ANSI AWWA C900/C905 (all pressure classes), push-on pipe bells. It includes a PVC Stargrip® Series 4000 gland for the spigot end and a split back-up ring behind the bell.

Place the PVC Stargrip® Series 4000 restraint gland on the spigot end of the second pipe with the lip extension facing towards the mating bell.

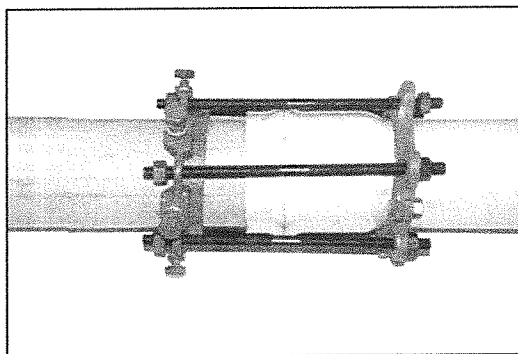
Assemble the PVC Pipe Push-On joint per the pipe manufacturer's installation instructions.



STEP 2

Install the split back up ring, behind the pipe bell in the direction indicated on the casting. Tighten clamping bolts on the split back-up ring to 90 ft-lb.

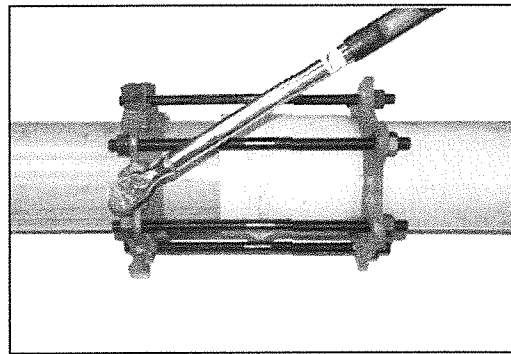
Rotate PVC Stargrip® Series 4000 restraint gland on the spigot such that the boltholes are in alignment and adjust the position so that the distance between the glands is suitable for the double-ended rod length. Adequate room should be allowed on the double-ended rods so that nuts can be fully engaged with several threads showing.



STEP 3

Install the remaining double-ended rods provided in each bolt hole for evenly distributing the operating load. Place nuts on the ends of each double-ended rod. It is to be ensured that adequate room is allowed on rods to fully engage the nuts with several threads showing.

Pull PVC Stargrip® Series 4000 restraint gland away from the joint until there is no slack in the rods.



STEP 4

Tighten the torque limiting twist off nuts in a clockwise direction until all the wedges are in firm contact with the pipe OD. Continue tightening in an alternating manner until all of the torque-limiting twist-off bolt heads have been twisted off.

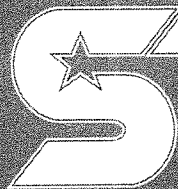
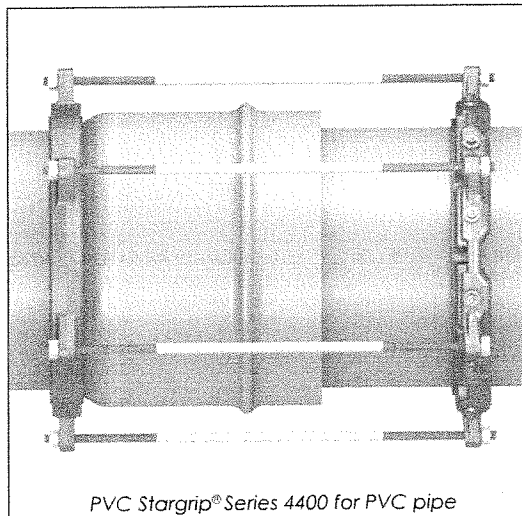
The nuts on the double-ended rods must be tightened until the back-up ring is in firm contact with the back of the bell. These nuts should not be over tightened.

If removal of the PVC Stargrip® Series 4000 restraint gland is necessary, utilize the 5/8" hex head provided for 3" to 12", or 1 1/4" hex head provided for 14" to 36". If reassembly is required, assemble the product in the same manner as above and tighten the wedge bolts to 90 ft-lbs.

Notes:

- Not to be used on DI or steel pipe.
- Stargrips must be adequately wrapped or protected if they are covered by concrete to ensure that concrete is not allowed to enter the wedge pocket.
- For applications with vertical offsets please contact Star Pipe Products for technical assistance.



**PVC Stargrip[®] series 4400**Wedge Action Bell Restraint for AWWA C905 PVC Pipe Joints (CI OD)
New Installations Only**INFORMATION**

The Series 4400 system consists of a restraint ring that has wedges and wedge bolts along with a harness ring. The wedge action restraint ring is connected to the solid harness ring using double ended threaded rods and nuts. The system is used to restrain AWWA C905 PVC pipe bell joints with CI outside diameter.

New Installations Only**FEATURES & ADVANTAGES**

- For use on ANSI/AWWA C905 CI OD PVC pipe
- For new push-on pipe bell installations only
- The restraint system includes a modified PVC Stargrip[®], a solid harness ring, nuts, and double-ended rods.
- The bolt circle diameter for the modified PVC Stargrip[®] is larger to allow extra clearance.
- By using larger diameter rods, fewer rods are needed to achieve its rated pressure. This results in less hardware to assemble.
- The rings, wedges, and actuating bolts are made of high strength ductile iron. The restraint rods and nuts are made of high-strength-low-alloy steel per the requirements of ANSI/AWWA C111/A21.11
- Please refer to the chart on the next page for the maximum bell outside diameter that the rods can clear.
- The safety factor is twice (2:1) the product pressure rating (see chart on next page).
- The standard color for the rings is Coral Red (RAL 3016).

SAMPLE SPECIFICATIONS

Restraint for PVC push-on bells (AWWA C905 CI OD) shall incorporate the use of a wedge action restraint ring and a solid harness ring into its design. Wedge action mechanisms shall be integrated into the design of the restraint ring. As the mechanisms are activated, multiple points of resistance shall be imparted onto the pipe and increase in resistance as internal pressure grows. After burial of the restraint mechanism, joint flexibility shall be maintained.

The actuating bolt shall be threaded into the restraint ring and have a 1-1/4" hex operating nut. The actuating bolt system shall have a torque-limiting head designed to break off at preset torque levels, thus insuring proper action of the restraining device. After the torque-limiting head has broken off, a secondary hex head shall remain to facilitate the removal and re-assembly of the restraint ring. Rings, bolts and wedges shall be manufactured of high strength ductile iron in accordance with ASTM A536 Grade 65-45-12 requirements.

All sizes shall have a minimum safety factor of 2:1 (i.e. twice the product pressure rating as stated in most current catalog). The restraint mechanism shall be Star[®] Pipe Products, PVC Stargrip[®] series 4400 or approved equal.

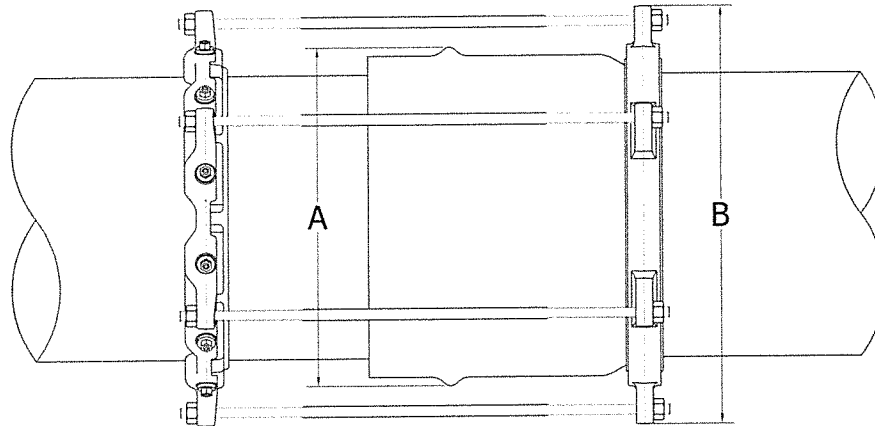




PVC Stargrip® series 4400

Wedge Action Bell Restraint for AWWA C905 PVC Pipe Joints (CI OD)
New Installations Only

TECHNICAL INFORMATION



PVC STARGRIP® 4400 SPECIFICATIONS*

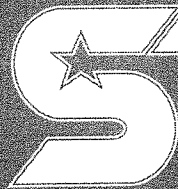
NOM. SIZE	C905 PIPE CI OD	RODS (QTY)	ROD DIA x LENGTH	MAX. BELL OD "A"	MAX. RESTRAINT OD "B"	APPROX WT. (LBS)
14	15.30	5	1 x 26	20.38	23.26	109
16	17.40	6	1 x 26	22.75	25.63	134
18	19.50	6	1 x 26	24.88	27.76	145
20	21.60	7	1 x 26	27.13	30.01	171
24	25.80	8	1 1/4 x 32	31.63	35.01	265
30	32.00	10	1 1/4 x 42	39.25	42.88	409
36	38.30	12	1 1/4 x 42	46.13	49.76	497

*All dimensions in inches except where indicated. See next page for installation instructions.

MAXIMUM WORKING PRESSURE RATING WITH OCCASSIONAL & RECURRING SURGES

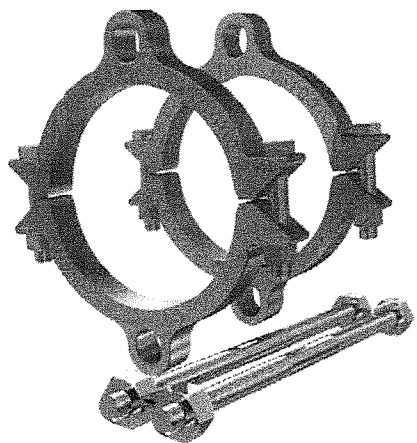
NOM. SIZE (IN)	C905			
	DR18	DR21	DR25	DR32.5
14	235	200	165	125
16	235	200	165	125
18	235	200	165	125
20	235	200	165	125
24	200	200	165	125
30			165	125
36			125	125





Pipe Restrainers series 1100

1100C Bell Restrainers for AWWA C900/C905 PVC Pipe
and 1100S Bell Joint for IPS PVC Pipe



Series 1100C for C900/C905 PVC Pipe

INFORMATION

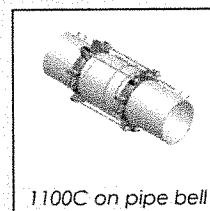
PVC Restrainers for restraining pipe and PVC pipe bell joints. These restraints work in any type of soil for a guaranteed joint restraint with rated pressure as listed below.

PVC restrainers can be installed on new or existing systems, totally eliminating the use of thrust blocks. These restrainers have internal serrations that lock onto the pipe and give 360° contact and support the pipe wall. Restraint devices may be used with any type of PVC piping system.

Can be Installed on New or Existing Systems

FEATURES & ADVANTAGES

- 360° contact, no pipe distortion or point loading
- Made of Ductile Iron - ASTM Grade 536, Grade 65-45-12
- Restrainers work with Push-On Pipe Bells.
- All restrainers are machined to exact tolerances.
- Rated pressures carry a 2:1 safety factor.
- Can be installed outside the trench, to ease installation
- T-Bolts/Rods/Hex Nuts: low alloy steel per ANSI/AWWA C111/A21.11
- Clamping Bolts: SAE J429 Grade 5
- Series 1100C is approved by Factory Mutual Research in sizes 4"-6" for use on C900 PVC DR18, for 150 PSI.
- Available in sizes 4"-48"
- Standard color is Graphite Black (RAL 9011).
- Casting halves for IPS PVC pipe color is Moss Green (RAL 6005).



1100C on pipe bell

STANDARDIZED PRESSURE RATINGS**

ANSI/AWWA C900 CI OD		ANSI/AWWA C905 CI OD		ASTM D2241 IPS OD	
DR 14	200 PSI	DR 18	235 PSI	SDR 17	250 PSI
DR 18	150 PSI	DR 21	200 PSI	SDR 21	200 PSI
DR 25	100 PSI	DR 25	165 PSI	SDR 26	160 PSI
		DR 32.5	125 PSI		

**For ordinary water works with transient surges only. Ratings are for PVC pipes with SERIES 1000 Restraint.

SAMPLE SPECIFICATIONS

PVC restraint devices shall be manufactured of high strength ductile iron in accordance to ASTM A536 Grade 65-45-12 for all sizes. Internal serrations will be machined to provide exact tolerances to provide 360° contact and support of the pipe wall. PVC Restraint devices shall have a safety factor of 2:1 over the pressure rating.

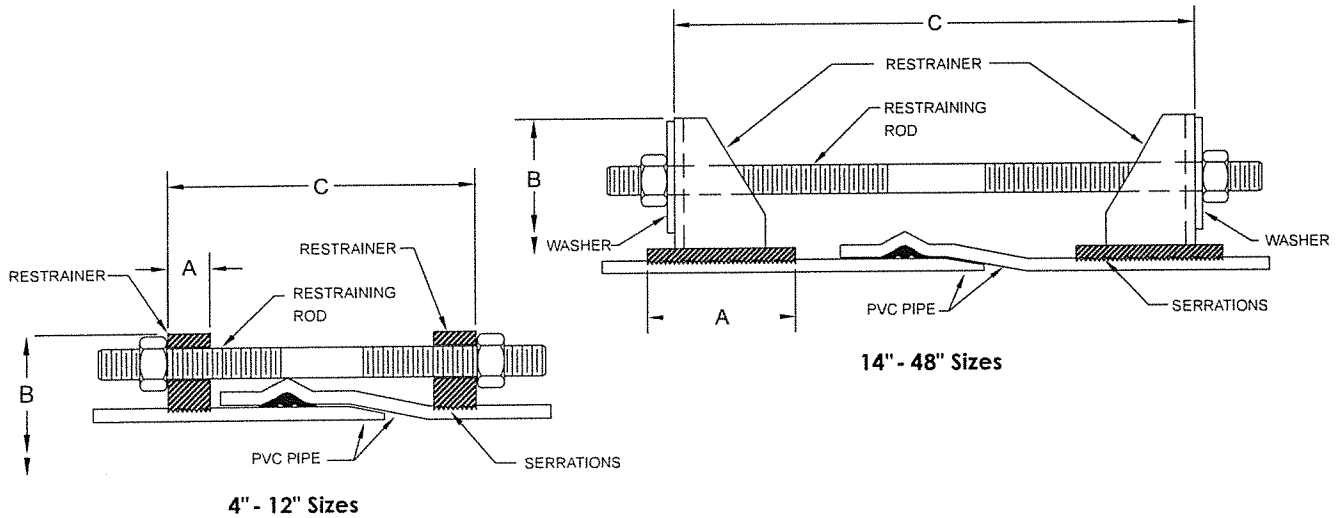




Pipe Restrainers series 1100

1100C Bell Restrainers for AWWA C900/C905 PVC Pipe
and 1100S Bell Joint for IPS PVC Pipe

TECHNICAL INFORMATION



PIPE RESTRAINERS 1100 SPECIFICATIONS*										
NOM. SIZE	PVC PIPE WITH DUCTILE IRON PIPE O.D. STYLE 1100C	PVC PIPE WITH STEEL PIPE O.D. STYLE 1100S	A	B APPROX.	C MAX.	RESTRAINT BOLTS/RODS		CLAMPING BOLTS		APPROX WT. (LBS)
	O.D.	O.D.				QTY	SIZE	QTY	SIZE	
4	4.80	4.50	1.12	9.12	12.00	2	3/4 x 17	4	5/8 x 3 1/2	16
6	6.90	6.63	1.15	11.12	13.00	2	3/4 x 17	4	5/8 x 3 1/2	20
8	9.05	8.63	1.47	14.75	15.00	2	3/4 x 17	4	3/4 x 4	32
10	11.10	10.75	1.38	16.82	16.00	4	3/4 x 24	4	7/8 x 5	52
12	13.20	12.75	1.42	19.46	18.00	4	3/4 x 24	4	7/8 x 5	56
14	15.30	N/A	4.00	22.68	24.00	6	3/4 x 30	8	7/8 x 7	150
16	17.40	N/A	3.75	24.65	28.00	6	3/4 x 30	8	7/8 x 6 1/2	117
18	19.50	N/A	4.25	26.65	28.00	8	3/4 x 30	8	7/8 x 6 1/2	147
20	21.60	N/A	5.00	28.88	28.00	8	3/4 x 36	8	1 1/8 x 8 1/2	206
24	25.80	N/A	5.00	33.98	34.00	12	3/4 x 36	8	1 1/8 x 8 1/2	265
30	32.00	N/A	7.00	42.48	38.00	12	1 x 48	12	1 1/8 x 6	492
36	38.30	N/A	7.00	48.61	38.00	12	1 x 48	12	1 1/8 x 6	561
42	44.50	N/A	11.00	57.00	46.00	16	1 1/4 x 54	12	1 1/2 x 10	1916
48	50.80	N/A	11.00	63.88	46.00	16	1 1/4 x 54	12	1 1/2 x 10	2242

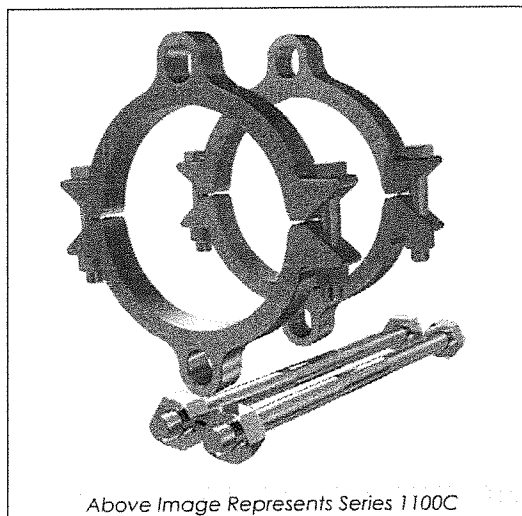
*All dimensions in inches except where indicated.





Pipe Restrainers series 1000C & 1100C

1000C & 1100C For Use On Ductile Iron Pipe



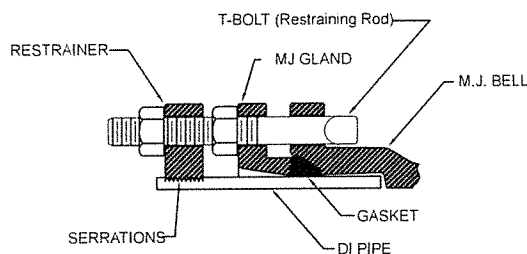
Above Image Represents Series 1100C

INFORMATION

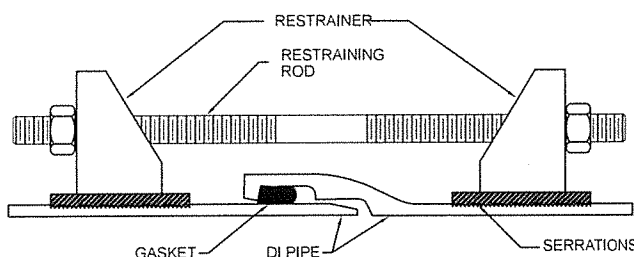
Pipe restrainers for restraining ductile iron pipe with mechanical joint or push-on fittings.

Pipe restrainers can be installed on new or existing systems, totally eliminating the use of thrust blocks. These restrainers have internal serrations that lock onto the pipe and give 360° contact and support the pipe wall.

For Use on Ductile Iron Pipe



Series 1000C



Series 1100C

FEATURES & ADVANTAGES

- Castings made of Ductile Iron - ASTM A536, Grade 65-45-12
- Restrainers work with Mechanical Joint or Push-On Fittings and with Ductile Iron Pipe manufactured per ANSI/AWWA C-151/A21.51 & AWWA C150/A21.50
- All restrainers are machined to exact tolerances
- Maintains full deflection on Mechanical Joint and Push-On Fittings
- T-Bolts/Rods/Hex Nuts: Low alloy steel per ASTM/AWWA C111/A21.11
- Clamping Bolts: SAE J429 Grade 5

Notes:

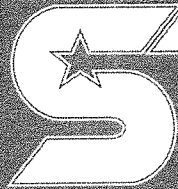
- *Not recommended for installations on machined end pipe or fittings*
- *Installation requires clamp bolt torque values be applied as indicated above.*
- *Installation and testing to be in accordance with the latest version of ANSI/AWWA C600*
- *For higher pressure requirements, please contact Star[®] Pipe Products*
- *Pipe hardness not to exceed 230 BHN.*

SAMPLE SPECIFICATIONS

Pipe restraining devices shall be manufactured of high strength ductile iron in accordance to ASTM A536 Grade 65-45-12 for all sizes. Internal serrations will be machined to provide exact tolerance to provide 360° contact and support of the pipe well. Pipe restraining devices shall have a safety factor of 2:1 over the pressure rating.

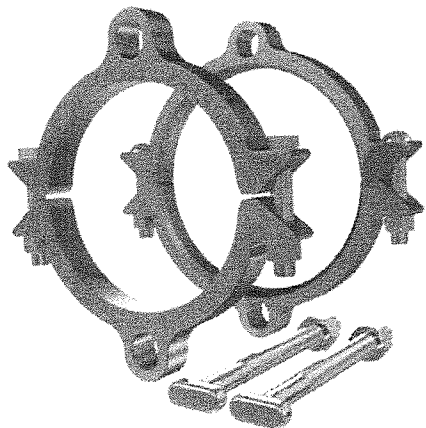
NOMINAL SIZE	MAXIMUM PRESSURE RATINGS (PSI)	CLAMP BOLT TORQUE (FT-LBS)
4" - 8"	250	110 - 120
10" - 12"	200	110 - 120
14"	150	200 - 210
16"	100	200 - 210





Pipe Restrainers series 1200

1200C Restrainers for PVC Pipe and PVC Pressure Fittings
w/Ductile Iron Pipe OD



1200C Restrainers for C900/C905 PVC Pipe.

INFORMATION

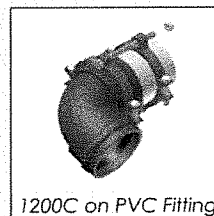
PVC Restrainers are for restraining bell joints between AWWA C900/ C909 PVC/PVCO pipe and PVC pressure fittings. The PVC pressure fitting may be PC235 psi molded AWWA C907 PVC pressure fittings or PR235 psi fabricated PVC pressure fittings.

PVC restrainers can be installed on new or existing systems, totally eliminating the use of thrust blocks. These restrainers have internal serrations that lock onto the pipe and give 360° contact and support the pipe wall.

Can be Installed on New or Existing Systems

FEATURES & ADVANTAGES

- 360° contact, no pipe distortion or point loading
- Made of Ductile Iron - ASTM Grade 536, Grade 65-45-12
- Restrainers work with either
 - PC235 psi molded AWWA C907 PVC pressure fittings or
 - PR235 psi fabricated PVC pressure fittings.
- All restrainers are machined to exact tolerances.
- Rated at 150 PSI with a 2:1 safety factor
- Supports wall of pipe with 360 degree contact
- Can be installed outside the trench, to ease installation
- T-Bolts/Rods/Hex Nuts: low alloy steel per ANSI/AWWA C111/A21.11
- Clamping Bolts: SAE J429 Grade5
- Standard gland color is Graphite Black (RAL 9011).



1200C on PVC Fitting

SAMPLE SPECIFICATIONS

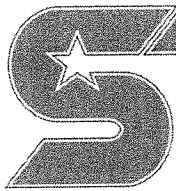
PVC restraint devices shall be manufactured of high strength ductile iron in accordance to ASTM A536 Grade 65-45-12 for all sizes. Internal serrations will be machined to provide exact tolerances to provide 360° contact and support of the pipe wall. PVC Restraint devices shall have a safety factor of 2:1 over the pressure rating.

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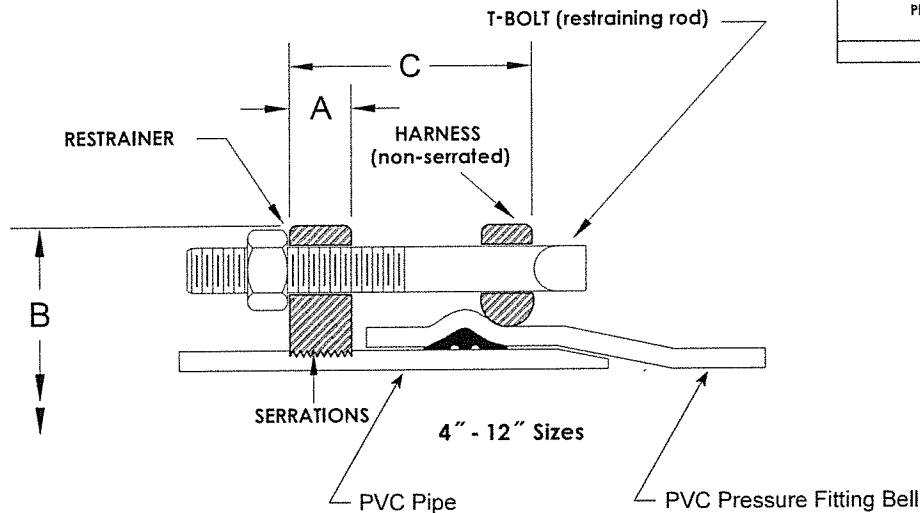
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Pipe Restrainers series 1200

1200C Restrainers for PVC Pipe and PVC Pressure Fittings
w/Ductile Iron Pipe OD

TECHNICAL INFORMATION



(TABLE B) CLAMPING BOLTS RECOMMENDED TORQUE

PIPE SIZE (IN)	RANGE OF TORQUE (FT-LBS)
4-12	90-110

PIPE RESTRAINERS 1200 SPECIFICATIONS*									
NOM. SIZE ¹	PVC PIPE WITH DUCTILE IRON PIPE O.D. STYLE 1200C	A	B APPROX.	C MAX.	RESTRAINT BOLTS/RODS		CLAMPING BOLTS		APPROX WT. (LBS)
	O.D.				QTY	SIZE	QTY	SIZE	
4	4.80	1.12	9.12	6.00	2	3/4 x 9	4	5/8 x 3-1/2	13.8
6	6.90	1.15	11.12	6.00	2	3/4 x 9	4	5/8 x 3-1/2	17.0
8	9.05	1.47	14.75	8.00	2	3/4 x 12	4	3/4 x 4	30.0
10	11.10	1.38	16.82	8.00	4	3/4 x 12	4	7/8 x 5	46.4
12	13.20	1.42	19.46	8.00	4	3/4 x 12	4	7/8 x 5	50.0

*All dimensions in inches except where indicated

INSTALLATION INSTRUCTIONS (SERIES 1200 4"- 12")



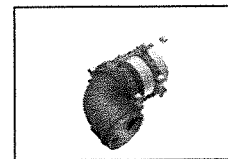
STEP 1

Insert the pipe into the Push-On fitting according to standard procedure. Assemble serrated restrainer on pipe using the provided restraining rods (or T-Bolts if applicable) as a guide to position the restraint. Tighten restrainer clamp bolts to recommended torque (see Table B).



STEP 2

Assemble harness behind the bell of fitting (or pipe) and restrainer on spigot end of pipe using restraining T-Head bolt/rod as an alignment guide. Evenly tighten harness clamp bolts and nuts to recommended torque (see Table B).

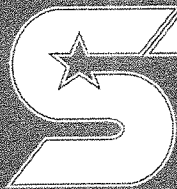


STEP 3

Insert the restraining rods (or T-bolts) through the restrainers as shown. Snug tighten the remaining nuts so that the spigot end is secured into the bell end.

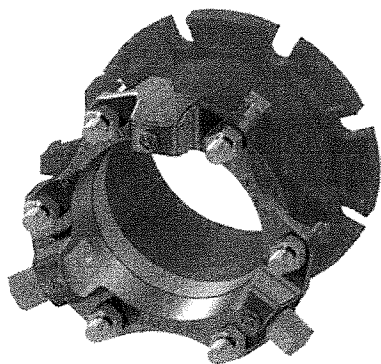
Caution: Do not over-tighten the restrainer nuts. Turn nut to hand tight plus half turn.





StarFlange[™] series 3200

Restrained Adapter Flange Coupling
for Ductile Iron Pipe



StarFlange[™] Series 3200 for Ductile Iron Pipe

INFORMATION

StarFlange[™] Series 3200 is a restrained adapter flange coupling device designed to connect plain end ductile iron pipe to a flanged pipe, valve or fitting. A ductile iron flange body provides the flange connection and includes an O-ring gasket that seals with the mating flange. The Stargrip[®] Series 3000 provides restraint for the plain end ductile iron pipe.

No Special Tools Required for Installation

FEATURES & ADVANTAGES

- Provides flexibility to accommodate pipe misalignment
- No special tools required for installation
- Fully restrained to pressure rating of pipe with a 2:1 safety factor
- Pipe end does not need to be square cut.
- StarFlange[™] body and Stargrip[®] are manufactured from high strength Ductile Iron per ASTM A536, Grade 65-45-12.
- Flange meets ANSI Class 125/150 and ANSI/AWWA C115/A21.15 drill pattern.
- MJ gasket and O-ring flange gasket are made from styrene butadiene rubber (SBR) per ANSI/AWWA C111/A-21.11.
- T-bolts / nuts are produced from high strength low alloy steel per ANSI/AWWA C111/A-21.11
- Restraint wedges are heat-treated to minimum 370 BHN.
- Includes Stargrip[®], Flange Adapter, MJ Gasket, O-Ring gasket and low alloy steel T-bolts
- StarFlange[™] size 3"-12" are listed with Underwriters Laboratories Inc. and approved by Factory Mutual Research (FM).
- Standard gland color is Coral Red (RAL 3016).
- May also be used on steel pipe* up to 12" (***transition gasket required on 12" and under**). For 14" and larger steel applications, contact Star Pipe.

SAMPLE SPECIFICATIONS

Restrained adapter flange is to be used to connect plain end ductile iron pipe to a flanged pipe, valve or fitting. The device shall be manufactured of high strength ductile iron in accordance to ASTM A536 Grade 65-45-12 for all sizes. The restrainer portion of the device shall be of wedge type design with torque limiting bolts to insure proper engagement of the wedges.

Applicable dimensions shall conform to ANSI/AWWA C111/A21.15, C110/A21.10 and C153/A21.53. Flange ends to meet ANSI Class 125/150 & ANSI/AWWA C115/A21.15 drill pattern.

The restrained adapter flange shall have a maximum working pressure of 350 PSI for sizes 3"-16" and 250 PSI for sizes 18"-36". All sizes shall have a minimum safety factor of 2:1 (i.e. twice the maximum rating of the StarFlange[™] Series 3200). Restrained flange adapter shall be Star[®] Pipe Products StarFlange[™] Series 3200 or an approved equal.

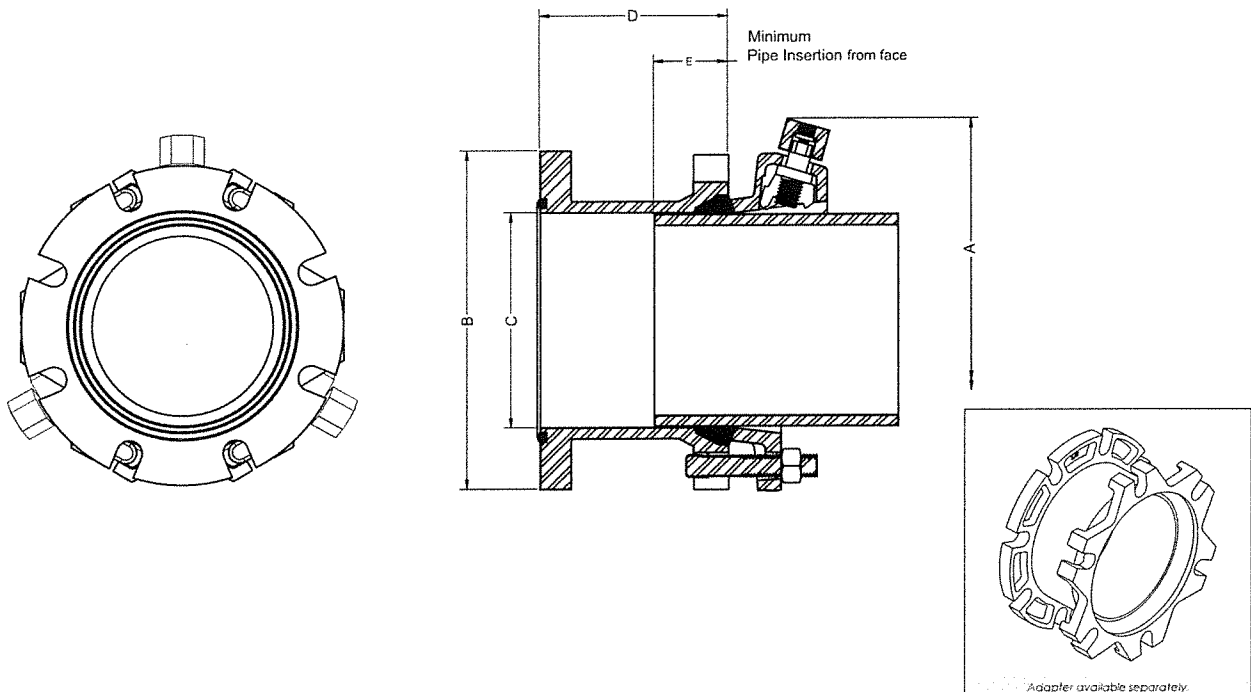




StarFlange™ series 3200

Restrained Adapter Flange Coupling
for Ductile Iron Pipe

TECHNICAL INFORMATION



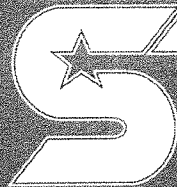
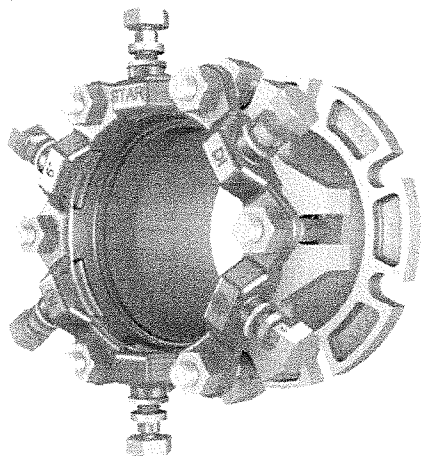
STARFLANGE™ 3200 SPECIFICATIONS*

NOM. SIZE	MAX PRESSURE RATING (PSI)	A	A W/NUTS TWISTED OFF	B	C	D	E	MAX. JOINT DEFLECTION°	APPROX WT. (LBS)
3	350	9.85	8.45	7.50	4.06	3.88	2.13	5°	17
4	350	11.06	9.28	9.00	4.90	4.35	2.13	5°	23
6	350	13.06	11.38	11.00	7.00	5.25	2.50	5°	35
8	350	15.25	13.53	13.50	9.15	5.25	2.50	5°	47
10	350	17.25	15.58	16.00	11.20	5.62	2.50	3°	64
12	350	19.50	12.68	19.00	13.30	5.69	2.50	3°	87
14	350	21.25	19.82	21.00	15.44	6.67	3.00	2°	128
16	350	23.34	21.92	23.50	17.54	6.79	3.00	2°	152
18	250	26.40	24.84	25.00	19.64	7.40	3.00	1.5°	182
20	250	28.56	27.00	27.50	21.74	7.41	3.00	1.5°	204
24	250	33.86	32.30	32.00	25.94	7.90	3.00	1°	300
30	250	40.12	38.56	38.75	32.17	8.50	3.00	1°	520
36	250	46.42	44.86	46.00	38.47	9.00	3.00	1°	688

*All dimensions in inches except where indicated.

1 - Deflection attained at minimum pipe insertion.



PVC StarFlange[™] series 4200Restrained Adapter Flange Coupling
for PVC Pipe6" PVC StarFlange[™] Series 4200 for PVC Pipe

INFORMATION

PVC StarFlange[™] Series 4200 is a restrained adapter flange coupling device designed to connect plain end PVC pipe to a flanged pipe or fitting. A ductile iron flange body provides the flange connection and includes an O-ring gasket that seals with the mating flange. The PVC Stargrip[®] Series 4000 provides restraint for the plain end PVC pipe.

No Special Tools Required
For Installation

FEATURES & ADVANTAGES

- Provides flexibility to accommodate pipe misalignment
- No special tools required for installation
- Fully restrained to pressure rating as listed on page 60, with a 2:1 safety factor
- Pipe end does not need to be square cut.
- Flange meets ANSI Class 125/150 and ANSI/AWWA C115/A21.15 drill pattern.
- Can be used on 3" - 12" IPS PVC Pipe (**a transition MJ gasket is required with IPS pipe**)
- StarFlange[™] body and PVC Stargrip[®] are manufactured from high strength Ductile Iron per ASTM A536, Grade 65-45-12.
- MJ gasket and O-ring flange gasket are made from styrene butadiene rubber (SBR) per ANSI / AWWA C111/ A-21.11.
- T-bolts / nuts are produced from high strength low alloy steel per ANSI/AWWA C111/A-21.11
- Includes PVC Stargrip[®], Flange Adapter, MJ Gasket, O-Ring gasket and low alloy steel T-bolts
- StarFlange[™] size 4"-12" are listed with Underwriters Laboratories Inc. and approved by Factory Mutual Research (FM) for use on DR18 Class 235 C900 PVC pipe at 150 PSI.
- Standard gland color is Coral Red (RAL 3016).

SAMPLE SPECIFICATIONS

Restrained adapter flange is to be used to connect plain end PVC pipe to a flanged pipe, valve or fitting. The device shall be manufactured of high strength ductile iron in accordance to ASTM A536 Grade 65-45-12 for all sizes. The restrainer portion of the device shall be of wedge type design with torque limiting bolts to insure proper engagement of the wedges.

Applicable dimensions shall conform to ANSI/AWWA C111/A21.11, C110/A21.10 and C153/A21.53. Flange ends to meet ANSI Class 125/150 & ANSI/AWWA C115/A21.15 drill pattern.

All sizes shall have a minimum safety factor of 2:1 (i.e. twice the pressure rating as stated in most current catalog). Restrained flange adapter shall be Star[®] Pipe Products StarFlange[™] Series 4200 or an approved equal.

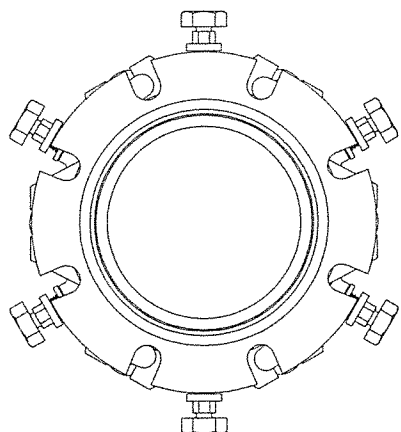




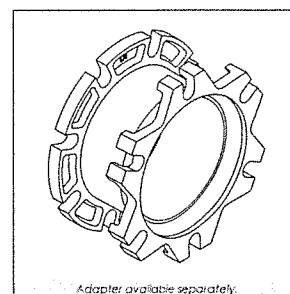
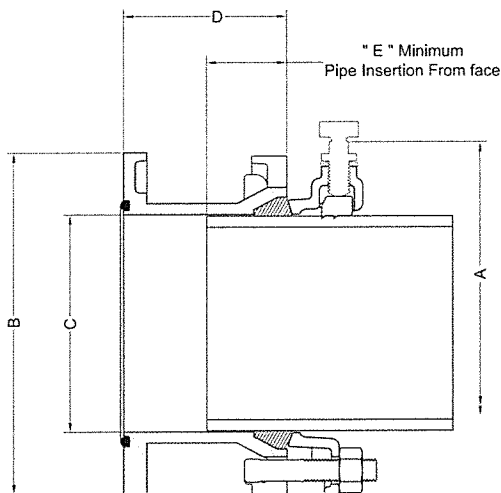
PVC StarFlange™ series 4200

Restrained Adapter Flange Coupling
for PVC Pipe

TECHNICAL INFORMATION



6" PVC Starflange™ Series 4200 for PVC Pipe



PVC STARFLANGE™ 4200 SPECIFICATIONS*

NOM. SIZE	C900/C905 PIPE OD	IPS PIPE OD	A ¹	B	C	D	E	² MAXIMUM JOINT DEFLECTION ¹	APPROX. WT. (LBS)
3	N/A	3.50	8.50	7.50	4.06	3.88	2.13	5°	20
4	4.80	4.50	9.64	9.00	4.90	4.35	2.13	5°	27
6	6.90	6.63	11.72	11.00	7.00	5.25	2.50	5°	39
8	9.05	8.63	13.97	13.50	9.15	5.25	2.50	5°	53
10	11.10	10.75	16.18	16.00	11.20	5.62	2.50	3°	72
12	13.20	12.75	18.23	19.00	13.30	5.69	2.50	3°	92
14	15.30	N/A	20.36	21.00	15.44	6.67	3.00	2°	134
16	17.40	N/A	22.46	23.50	17.54	6.79	3.00	2°	162
18	19.50	N/A	24.56	25.00	19.64	7.40	3.00	1.5°	188
20	21.60	N/A	26.66	27.50	21.74	7.41	3.00	1.5°	220
24	25.80	N/A	30.86	32.00	25.94	7.90	3.00	1°	293
30	32.00	N/A	36.82	38.75	32.17	8.50	3.00	1°	453
36	38.30	N/A	43.12	46.00	38.47	9.00	3.00	1°	623

*All dimensions in inches except where indicated.

1 - Dimension after assembly on pipe.

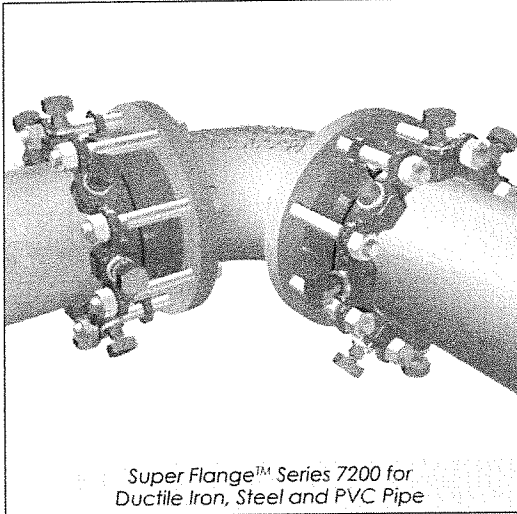
2 - Deflection attained at minimum pipe insertion.

MAXIMUM WORKING PRESSURE RATING WITH OCCASSIONAL & RECURRING SURGES										
NOM. SIZE (IN)	C900			C905				ASTM D2241		
	DR14	DR18	DR25	DR18	DR21	DR25	DR32.5	SDR17	SDR21	SDR26
3								250	200	160
4	305	235	165					250	200	160
6	305	235	165					250	200	160
8	305	235	165					250	200	160
10	305	235	165					250	200	160
12	305	235	165					250	200	160
14				235	200	165	125			
16				235	200	165	125			
18				235	200	165	125			
20				235	200	165	125			
24				235	200	165	125			
30						165	125			
36						165	125			

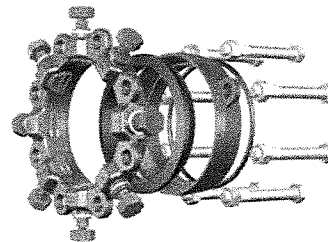


**Super Flange™ series 7200**

Designed for use on Ductile Iron, Steel and PVC Pipes

Super Flange™ Series 7200 for
Ductile Iron, Steel and PVC Pipe**INFORMATION**

The Series 7200 Super Flange™ is a restrained flange adapter designed to connect plain end pipe to a flange end component. May be installed on ductile iron, steel & PVC pipe.

**Restrains and Adapts
Plain End Pipe to Flanged Components****FEATURES & ADVANTAGES**

- Versatile product designed for adapting ductile iron (3"-48"), PVC (3"-24") & steel (3"-12") pipe to flange connections.
- 350 psi maximum pressure rating on ductile iron and steel pipe
- Rated to the maximum pressure rating of PVC pipe
- Joint deflection up to 5° maximum
- Allows for field flanged ends on plain end pipe
- Flange meets ANSI Class 125/150 and ANSI/AWWA C115/A21.15 drill pattern.
- MJ gasket and O-ring flange gasket are made from styrene butadiene rubber (SBR) per ANSI/AWWA C111/A-21.11.
- Includes restraint gland, flange adapter ring, gaskets and hex head bolts/nuts
- Restraint gland is coated with StarBond™ (polyester).
- Flange adapter ring coated with fusion bonded epoxy.
- Super Flange™ sizes 3"-12" are listed with Underwriters Laboratories Inc. and Underwriters Laboratories of Canada for ductile iron and steel pipe at 350 psi.
- Super Flange™ sizes 4" – 12" are approved by Factory Mutual Research for use on C900 PVC pipe DR18 Class 235 at 150 psi and sizes 4"-10" on DR14 Class 305 at 200 psi.
- Wedges are heat treated to a minimum 370 BHN
- When installed on steel pipe and IPS PVC pipe (3" to 12"), transition gaskets are required and spacers must be removed.

SAMPLE SPECIFICATIONS

Restrainer mechanism shall be integrated into the design of the restraint gland. As the mechanism is activated, multiple wedging action shall be imparted against the pipe increasing its resistance as internal pressure increases. After burial of the restraining mechanism, joint flexibility shall be maintained.

The actuating bolt shall be threaded into the gland and have a 1-1/4" hex operating nut. The actuating bolt system shall have a torque-limiting head designed to break off at preset torque levels, thus insuring proper action of the restraining device. After removal of the torque-limiting head, a 5/8" hex head shall remain to facilitate the removal and re-assembly of the gland. Glands, bolts and wedges shall be manufactured of high strength ductile iron in accordance with ASTM A536 Grade 65-45-12 requirements. Wedges shall be heat treated to a minimum hardness of 370 BHN.

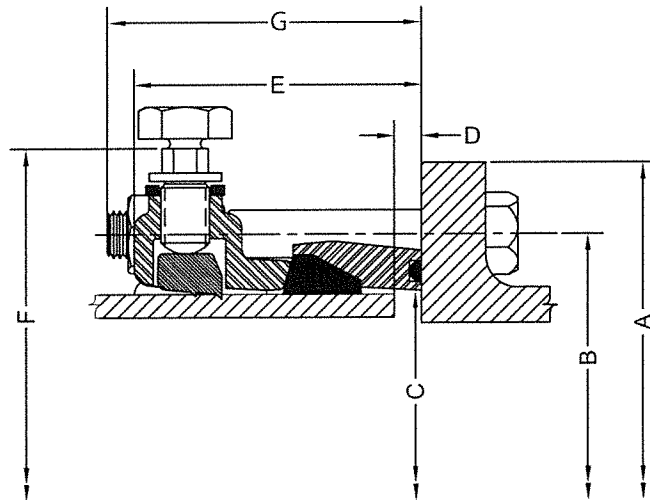
All internal and external surfaces of flange adapter ring will have fusion bonded epoxy per requirements of ANSI/AWWA C116/A 21.16. Coatings and gaskets to meet ANSI/NSF-61. The restraint mechanism shall have a 2:1 safety factor for pressure rating as stated in the most recent catalog.

STAR[®] PIPE PRODUCTS

Super Flange[™] series 7200

Designed for use on Ductile Iron, Steel and PVC Pipes

TECHNICAL INFORMATION

SUPER FLANGE[™] 7200 SPECIFICATIONS*

NOM. SIZE	A	B	C	D MAX.	E	F	G	BOLTS		MAXIMUM JOINT DEFLECTION ¹	APPROX. WT. (LBS)
								SIZE	QTY.		
3	7.50	6.00	4.09	0.70	4.06	7.95	4.75	5/8 X 5 1/2	4	5.0°	13
4	9.00	7.50	4.93	0.60	4.18	9.22	4.56	5/8 X 5 1/2	8	5.0°	20
6	11.00	9.50	7.03	0.80	4.43	11.32	5.00	3/4 X 6	8	5.0°	29
8	13.50	11.75	9.18	0.90	4.60	13.29	4.88	3/4 X 6	8	5.0°	35
10	16.00	14.25	11.23	1.00	4.62	15.50	6.31	7/8 X 7 1/2	12	3.0°	60
12	19.00	17.00	13.33	1.00	4.75	17.50	6.25	7/8 X 7 1/2	12	3.0°	72
14	21.00	18.75	15.45	1.30	5.13	19.54	6.62	1 X 8	12	2.0°	89
16	23.50	21.25	17.55	1.30	5.18	21.64	6.56	1 X 8	16	2.0°	110
18	25.00	22.75	19.65	1.30	5.23	23.74	6.94	1 1/8 X 8 1/2	16	1.5°	140
20	27.50	25.00	21.75	1.30	5.24	25.84	6.81	1 1/8 X 8 1/2	20	1.5°	165
24	32.00	29.50	25.95	1.30	5.28	30.04	6.62	1 1/4 X 8 1/2	20	1.0°	198
30	38.75	36.00	32.18	2.00	6.00	36.58	7.88	1 1/4 X 10	28	1.0°	362
36	46.00	42.75	38.48	2.00	6.00	42.88	8.12	1 1/2 X 10 1/2	32	1.0°	541
** 42	53.00	49.50	44.68	2.00	8.00	50.80	9.38	1 1/2 X 12	36	1.0°	---
** 48	59.50	56.00	50.98	2.00	8.00	57.10	9.25	1 1/2 X 12	44	1.0°	---

* All dimensions in inches except where indicated.

** Contact Star Pipe Products for price and availability.

MAXIMUM WORKING PRESSURE RATING WITH OCCASSIONAL & RECURRING SURGES ¹									
NOM. SIZE (IN)	DUCTILE IRON	STEEL PIPE ²	C900/C905 PVC PIPE				IPS PVC PIPE (ASTM D2241) ²		
			DR14	DR18	DR25	DR32.5	SDR17	SDR21	SDR26
3	350	350	-	-	-	-	250	200	160
4	350	350	305	235	165	-	250	200	160
6	350	350	305	235	165	-	250	200	160
8	350	350	305	235	165	-	250	200	160
10	350	350	305	235	165	-	250	200	160
12	350	350	305	235	165	-	250	200	160
14	350	-	305	235	165	125	-	-	-
16	350	-	305	235	165	125	-	-	-
18	300	-	-	235	165	125	-	-	-
20	250	-	-	235	165	125	-	-	-
24	200	-	-	-	165	125	-	-	-
30	150	-	-	-	-	-	-	-	-
36	150	-	-	-	-	-	-	-	-
** 42	-	-	-	-	-	-	-	-	-
** 48	-	-	-	-	-	-	-	-	-

1 - All Pressure ratings are in PSI

2 - Transition Gasket required





JEFFERSON PARISH

Department of Purchasing

Michael S. Yenni
Parish President

Brenda C. Patel
Director

Question:

Item # 119 Hymax 14x12 Reducing Coupling? Can you tell me what OD Range you are looking for?

Answer:

Large O.D. range 13.90-16.00, small O.D. range 12.40-13.66

THE BID OPENING DATE HAS BEEN POSTPONED UNTIL JUNE 1, 2017, AT 2:00 P.M.

Sincerely,

Daphne Nelson

Daphne Nelson, Buyer II
Jefferson Parish Purchasing Department

Bidders must acknowledge all addenda on the bid form. Bidder acknowledges receipt of this addendum on the bid form as indicated. Failure to do so will result in bid rejection.

This addendum is a part of the contract documents and modifies the original bidding documents and specifications. The contents of this addendum shall be included in the contract documents. Changes made by this addendum shall take precedence over the documents of earlier date.



JEFFERSON PARISH

Department of Purchasing

Michael S. Yenni
Parish President

Brenda C. Patel
Director

May 24, 2017

ADDENDUM #1

Bid No.: 50-00119704

Bid Opening Date: May 25, 2017
Bid Opening Postponed Until: June 1, 2017

For: One (1) year contract for a supply of couplings, restraining devices and related gaskets for Jefferson Parish Department of Public Works, Water and Sewer and all Jefferson Parish agencies and municipalities

CLARIFICATION TO THE BID SPECIFICATIONS:

Question:

Last year I contested the award for this bid for a couple of reasons. One being the specification calling for 304SS nuts and bolts on the Ebaa series 2100 Megaflanges (highlighted). In the past they have always been supplied with Xylon coated nuts and bolts because SS galls. Would you be able to get clarification from the water department/warehouses to see which they were accepting on the last bid?

Answer:

The bid specifications have been revised to reflect the acceptance of Xylon or Teflon coated nuts and bolts in lieu of stainless steel nuts and bolts. This addendum hereby revises and replaces the bid specifications and is attached hereto.

QUESTIONS AND ANSWERS:

Question:

Item # 113 Pipe Lubricant what size are you asking for? Is this gallons?

Answer:

Line item 113 should be CHANGED TO READ AS:

QUANTITY	U/M	DESCRIPTION OF ARTICLES
24	CS	1130 PIPE LUBRICANT (50180) (12 QUARTS PER CASE)



JEFFERSON PARISH

Department of Purchasing

Michael S. Yenni
Parish President

Brenda C. Patel
Director

May 25, 2017

ADDENDUM #2

Bid No.: 50-00119704

Bid Opening Date: June 1, 2017

Bid Opening Postponed Until: June 6, 2017

For: One (1) year contract for a supply of couplings, restraining devices and related gaskets for Jefferson Parish Department of Public Works, Water and Sewer and all Jefferson Parish agencies and municipalities

CLARIFICATION:

Bid opening date has been postponed until June 6, 2017, at 2:00 p.m.

Sincerely,

Daphne Nelson

Daphne Nelson, Buyer II
Jefferson Parish Purchasing Department

Bidders must acknowledge all addenda on the bid form. Bidder acknowledges receipt of this addendum on the bid form as indicated. Failure to do so will result in bid rejection.

This addendum is a part of the contract documents and modifies the original bidding documents and specifications. The contents of this addendum shall be included in the contract documents. Changes made by this addendum shall take precedence over the documents of earlier date.

Couplings and Restraints
Contract

Items Included In This Contract:

1. Steel Body Transitional Couplings (Non-Restrained)
2. Ductile Iron Body Transitional Couplings (Non-Restrained)
3. Flange Coupling Adapter (Non-Restrained)
4. Flange Coupling Adapter (Restrained)
5. EBAA Series 1000 E-Z Flange
6. EBAA Series 1100DEC Megalug Mechanical Joint Restraint
7. EBAA Series 1500 Split Restraint Harness For C-900 Pipe Bells And Spigot (4"-12")
8. EBAA Series 1600 Split Restraint Harness For C-900 Pipe Bells And Spigot (4"-12")
9. EBAA Series 1700 Megalug Restraint Harness For Ductile Iron Bells
10. EBAA Series 2000PEC Mechanical Joint Restraint
11. Transition Gaskets (Asbestos Cement To Cast Iron)
12. Mechanical Joint Gaskets (For Ductile Iron Pipe)
13. Pipe Lubricant

Contract Terms:

This is a one year contract for supply of couplings, restraining devices, and the related gaskets for the Department of Water and Sewer, and all Jefferson Parish agencies and municipalities.

Warranty:

Products shall be warranted that they are manufactured in accordance with the applicable material specifications and are free from defects in workmanship and materials for one year after delivery. Any defective items sold under this contract shall be replaced at no cost to the purchaser.

General Specifications:

This specification is prepared for a one (1) year contract for a supply of couplings, restraining devices and related gaskets for the Parish of Jefferson, Department of Water and Sewerage, East and West Banks.

The quantities shown on the proposal guide are approximate quantities to be acquired by Jefferson Parish over a one (1) year period. Actual usage will be on an "as needed" basis.

Bid price shall include all freight and delivery costs to Jefferson Parish warehouse locations on the East and West Banks of Jefferson Parish.

The successful bidder shall not substitute any items on this bid throughout the one (1) year period without the written consent of the Jefferson Parish Engineering Dept.

All technical literature must be submitted with the bid. Failure to honor such request will result in the bid being considered non-responsive.

Technical Specifications:

1. Steel Body Transition Couplings 2"-24" (Non-Restrained):

Coupling shall accommodate pipe offset up to 7/16", pipe deflection up to 8 degrees, and pipe gaps up to 7.5.

Coupling shall join pipes with difference diameters up to 1.30" (2.10" in the 16" size).

Coupling shall be of the long pattern design and meet or exceed AWWA C-219 and be NSF 61 approved.

Couplings shall have a working pressure of 260 PSI with a maximum test pressure of 390 PSI with a 1.5:1 safety factor.

- **Material:**

Transition couplings shall have a lightweight middle ring that is properly flanged with confined steel followers. Transition coupling shall have an epoxy coating of 10-12 mils in thickness.

- **Follower Track (Spanners):**

Follower track (spanners) shall be type 304 stainless steel with two (2) type 304 stainless steel carriage-type, compression bolts and nuts with corresponding stainless steel retainers (one at each end) located on the top of the coupling. Nuts shall be coated to prevent galling.

- **Gaskets:**

Gaskets shall be wide range, multi-layered EDPM peel-off hydraulically pressure assisted, superior dual seal gaskets (seals mechanically and hydraulically) for permanently sealed joints.

- **Assembly:**

Coupling shall be totally assembled as in integral unit having stab-on feature, with bolts staved to prevent disassembly and required no disassembly during installation.

Coupling shall be "Hymax" or approved equal.

2. Ductile Iron Body Transition Couplings 4"-12" (Non-Restrained):

Coupling shall accommodate pipe deflection up to 8 degrees (4 degrees on each end).

Coupling shall have an extended range up to 1.25".

Coupling coating shall be center ring fusion bonded epoxy in accordance with AWWA C213 and NSF 61 certified. End rings shall be e-coated epoxy.

Couplings shall have a working pressure of 260 PSI.

- **Material:**

Transition coupling components (end rings, center ring, and bolt guides) shall be ductile iron, meeting or exceeding the requirements of ASTM A536, Grade 65-45-12.

- **Follower Track (Spanners):**

Follower track (spanners) shall be type 304 stainless steel with two (2) type 304 stainless steel carriage-type, compression bolts and nuts with corresponding stainless steel retainers (one at each end) located on the top of the coupling. Nuts shall be coated to prevent galling.

- **Gaskets:**

Gaskets shall be formed from virgin nitrile butadiene rubber (NBR) compounded for water and sewer service in accordance with ASTM D2000.

- **Assembly:**

Coupling shall be totally assembled as in integral. End rings shall be segmented and joined with an integrated hinge.

Coupling shall be Macro™ by Romac or an approved equal.

3. Flanged Coupling Adapters (Non-Restrained):

Adapter shall meet or exceed AWWA c-219 and be NSF 61 approved, but shall have one compression end with one nut and bolt, and one flanged end which complies with AWWA C-207-94 or ANSI B16-5.

Please note that the 2" flanged coupling adapter shall be available in 2" oval meter flanged size.

Flanged coupling adapter shall be "Hymax Flanged Adapter" or an approved equal.

Note to Vendor:

The coating system for all restraining devices shall be mega bond by EBAA Iron, Inc. or an approved (factory applied, fusion bonded epoxy) equal.

4. Flange Coupling Adapters (Restrained) (Ductile/Cast Iron Pipe, 3"-60"; Steel Pipe, 3"-12"):

Pipe Material	DR Rating	Sizes Available
IPS OD PVC Pipe	All SDR's	3"-12"
C-900	14	4"-12"
C-900	18	4"-20"
C-900	25	4"-24"
C-900	32.5	14"-24"

For PVC pipe, the flange adapter shall have a pressure rating equal to the pipe.

For ductile iron pipe, the flange adapter shall have a safety factor of 2:1 minimum.

The flange adapter shall be UL listed 3"-12" for above and below ground use on schedule 40 steel pipes, and below-ground on all classes of listed ductile iron pipe.

The flange adapter shall be FM approved for use on C-900 Class 150 (DR-18) and class 200 (DR-14 PVC pipe, 4"-12", and on all classes of listed ductile iron pipe, and for above ground flanged pipe systems (treatment plants, pumping stations, or underground).

- **Restrained Gland And Gasket Ring:**

The flange adapter restrained gland and gasket ring shall be made of grade 60-42-12 ductile iron, which exceeds the minimum requirements of ASTM A-536-84, and shall have flange bolts circles that are compatible with ANSI/AWWA C-115/1-21.15. The flange adapter gasket ring shall be fusion-bonded epoxy coated inside and out.

- **Flange Adapter Restraint Ring:**

The flange adapter restraint ring shall consist of a plurality of individual actuated gripping wedges to maximize restraint capability. Torque-limiting actuated screws shall be used to ensure proper initial set of the gripping wedges.

- **Assembly:**

The flange adapter shall be capable of deflecting during assembly, or permit lengths of pipe to be field cut to allow a minimum of 0.6" of gap through 2.0" of gap (depending on pipe diameter) between the end of the pipe and the mating flange without affecting the integrity of the seal.

- **Nuts and Bolts:**

The flange adapters shall be furnished with type Xylan or Teflon coated machined bolts and nuts.

Flange adapter shall be EBAA Series 2100 "Megaflange" adapter, or an approved equal.

5. EBAA Series 1000 E-Z Flange:

The flange adapter shall be used in lieu of threaded or welded flanges on plain end ductile iron and steel pipe.

These flanges shall be cast from 60-42-10 ductile iron per ASTM A536 and shall have bolt circles and bolt holes to meet ANSI/AWWA C100/A21.10.

These flanges shall contain set screws made from ductile iron which have a Rockwell hardness of C40-45 converted from Brinnell.

Flange adapters shall be as manufactured by EBAA Iron, Inc. or an approved equal.

6. Series 1100DEC Megalug Mechanical Joint Restraint:

The wedges shall be ductile iron heat treated to a minimum hardness of 370 BHN. Dimensions of the gland shall be such that it can replace the standardized mechanical joint gland, and can be used with the standardized mechanical joint bell conforming to ANSI/AWWA C111/a21.11 and ANSI/AWWA C153/A.21.53 of the latest revision.

The mechanical joint restraint shall be available in the 3" through 48" sizes. They shall have a rated working pressure of 350 PSI in sizes 16" and smaller and 250 PSI in sizes 18" through 48" with 2 to 1 minimum safety factor. The devices shall be listed by Underwriter's Laboratories up through 24" size and approved by factory mutual up through 12" size.

All restraints shall be packaged. The package is to include the gland, EBAA-seal improved mechanical joint gasket and adequate lubricate for gasket lubrication, necessary quantity, size and length of t-bolts and nuts made from a low-alloy steel conforming to AWWA C-111 and be blue flora polymer coated equal to xylon coating.

The EBAA-seal gasket shall deflect 30% during assembly of the mechanical joint, improving sealing capabilities and shall meet in design and material, ANSI/AWWA C110/A21.10, C111/A21.11 or C153/A21.53, section 11-6.4 or latest revision.

The restraint shall be the series 110DEC Megalug restraint produced by EBAA Iron, Inc. or approved equal.

- **Mechanical Joint Restraint For Ductile Iron Pipe:**

Mechanical joint restraint for ductile iron pipe shall be incorporated into the design of the follower gland. The restraining mechanism shall consist of a plurality of individual actuated wedges that increase their resistance to pullout as internal pressure or external forces increase; the device shall be capable of full mechanism joint deflection during assembly and the flexibility of the joint shall be maintained after burial. The joint restraint ring and its wedging components shall be made of grade 60-42-12 ductile iron, which exceeds minimum requirements of ASTM A536-84.

- **Flange Adapter Restraint Ring:**

The flange adapter restraint ring shall consist of a plurality of individual actuated gripping wedges to maximize restraint capability. Torque-limiting actuated screws shall be used to ensure proper initial set of the gripping wedges.

- **Assembly:**

The flange adapter shall be capable of deflecting during assembly, or permit lengths of pipe to be field cut to allow a minimum of 0.6" of gap through 2.0" of gap (depending on pipe diameter) between the end of the pipe and the mating flange without affecting the integrity of the seal.

- **Nuts and Bolts:**

The flange adapters shall be furnished with type Xylan or Teflon coated machined bolts and nuts.

7. Series 1500 Split Restraint Harness For C-900 Pipe Bells and Spigot (4"-12"):

All rings and components shall be made of grade 60-42-12 ductile iron, which exceeds minimum requirements of ASTM A536. A split ring shall be utilized behind the pipe bell. A split serrated ring shall be utilized to grip the pipe.

- **Tie Bolts:**

A sufficient quantity, size and length of tie bolts which shall be made from a low-alloy steel conforming to AWWA C111. Tie bolts shall be used to connect the bell ring and gripping ring.

- **Side Bolts:**

The side bolts shall be grade 5 machine bolts and be blue flora polymer coated equal to xylon coating.

- **Harness Restraint Device:**

The harness restraint device shall have a minimum working pressure rating of 150 psi, and be tested with a minimum of 4 to 1 safety factor. All sizes shall be FM approved for class 150 (DR 18) PVC pipe. All sizes rated to 200 PSI class 200 (DR 14) PVC pipe shall have a 3 to 1 safety factor, and shall be EBAA Series 1500 or an approved equal.

8. Series 1600 Split Restraint Harness For C-900 Pipe Bells And Spigot (4"-12"):

All rings and components shall be made of grade 60-42-12 ductile iron, which exceeds minimum requirements of ASTM A536. A split ring shall be utilized behind the pipe bell. A split serrated ring shall be utilized to grip the pipe.

- **Tie Bolts:**

A sufficient quantity, size and length of tie bolts which shall be made from a low-alloy steel conforming to AWWA C111. Tie bolts shall be used to connect the bell ring and gripping ring.

- **Side Bolts:**

The side bolts shall be grade 5 machine bolts and be blue flora polymer coated equal to xylon coating.

- **Harness Restraint Device:**

The harness restraint device shall have a minimum working pressure rating of 150 PSI, and be tested with a minimum of 4 to 1 safety factor. All sizes shall be FM approved for class 150 (DR 18) PVC pipe. All sizes rated to 200 PSI class 200 (DR 14) PVC pipe shall have a 3 to 1 safety factor, and shall be EBAA series 1600 or an approved equal.

9. Series 1700 Megalug Restraint Harness for Ductile Iron Bells:

Ductile iron pipe bell restraint shall consist of a wedge action restraint ring on the spigot and joined to a ductile iron pipe follower gland behind the bell. The restraint ring shall have individually-actuated wedges that increase their resistance to pull out as pressure or external forces increases.

- **Restraint Ring and Wedging Components:**

The restraint ring and its wedging components shall be made of ductile iron grade 60-42-12, which exceeds minimum requirements of ASTM A536.

- **Wedges:**

The wedges shall be heat-treated to a minimum hardness of 370 BHN. Torque limiting twist off nuts shall be used to ensure proper actuation of the restraining wedges.

- **Follower Gland:**

The follower gland shall be made of the same grade ductile iron as previously mentioned. The connecting tie rods that join the two rings shall be of low alloy steel, which conforms to ANSI/AWWA C111/A21.11.

- **Assembly:**

The assembly shall have a rated pressure with a minimum 2:1 safety factor for 350 PSI in sizes 16" and below, and 250 psi in sizes 18" through 36".

- **Harness:**

Harness shall be series 1700 Megalug restraint harness manufacture by EBAA Iron, or an approved equal.

- **Nuts and Bolts:**

The flange adapters shall be furnished with type Xylan or Teflon coated machined bolts and nuts.

10. Series 2000 PEC Mechanical Joint Restraint:

The mechanical joint restraint shall be available in 3" through 36" sizes. The restraining joint gland shall have a pressure rating and safety factor equal to that of the pipe on which it is used.

Mechanical joint restraint for PVC pipe shall be incorporated into the design of the follower gland. The restraint mechanism shall consist of a plurality of individually-actuated gripping wedges that increases their resistance to pullout as internal pressure or external forces increase. This evenly distributes the thrust forces around the circumference of the pipe, and is for use on all sizes of IPS diameter PVC pipe in 3" through 12" sizes, and all sizes of AWWA C-900

and C-905 pipe (4"through 36"). The device shall be capable of full mechanical joint deflection during assembly and flexibility of the joint shall be maintained after burial. The joint restraint ring and its wedging components shall be made of grade 60-42-12 ductile iron, which exceeds minimum requirements of ASTM A536.

Dimensions of the gland shall be such that it replaces the standardized mechanical joint gland and can be used with the standardized mechanical joint bell conforming to ANSI/AWWA C111/A21.11 and ANSI/AWWA C153/A21.53 of latest revision. Torque limiting twist off nuts shall be used to insure proper actuating of restraining wedges.

- **Restraining Gland:**

The restraining glands shall have been tested to ASTM F1674, and all sizes shall be rated at the full pressure capacity of the pipe. The mechanical joint restraint shall be listed by Underwriter's Laboratories, and approved by factory mutual (4"-12").

- **Packaging:**

All restraints shall be packaged. The package is to include gland, EBAA-seal(tm) improved mechanical joint gasket with adequate lubricant for gasket, necessary quantity, size and length of t-bolts and nuts made from a low-alloy steel conforming to AWWA C111 and be blue flora polymer coated equal to xylon coating.

- **EBAA-Seal™ Gasket:**

The EBAA-Seal™ gasket shall deflect 30% during assembly of the mechanical joint improving sealing capabilities and shall meet in design and material the ANSI/AWWA C110/A21.10, C111/A21.11, or C153/A21.53, section 11-6.4 or latest revision.

The restraint shall be the series 2000 PEC Megalug restraint produced by EBAA Iron, Inc. or approved equal.

11. Transition Gaskets (Asbestos Cement to Cast Iron):

Transition gaskets shall go from asbestos cement (ac) size down to cast iron size to be used on potable water and sewer lines, made from virgin SBR rubber material for use in salty and acidic soils with a temperature range of -65 degrees to 180 degrees Fahrenheit. Transition gaskets shall conform to the latest revision of ASTM D2000 3 BA715 to work with class 100, 150, and 200 machined "AC" pipe and ductile iron pipe Class 53.

Transition gaskets shall be manufactured by Romac Industries or an approved equal.

12. Mechanical Joint Gaskets (For Ductile Iron Pipe):

Mechanical joint gaskets for ductile iron pipe shall be used on potable water and sewer lines. Virgin SBR rubber material for the use in salty and acidic soils with a temperature range of -40 degrees to 150 degrees Fahrenheit, meet or exceed ASTM D2000 3 BA715, and to fit ANSI/AWWA A21.11/C111 and ANSI/AWWA A21.53/C153 latest revision standard, 250 PSI working pressure.

13. Pipe Lubricant:

Pipe lubricant shall be used for potable and waste water applications. Pipe lubricant shall be non-toxic, odorless, tasteless, and not be able to support bacterial growth. Lubricant shall come in one quart containers and be used to assemble "push-on" pipe and fittings.

STANDARD INSURANCE REQUIREMENTS – PUBLICLY ADVERTISED BIDS

All required insurance under this bid shall conform to Jefferson Parish Resolution No. 113646 or No. 113647, as applicable. Contractors may not commence any work under any ensuing contract unless and until all required insurance and associated evidentiary requirements thereto have been met, along with any additional specifications contained in the advertised bid. Except as where otherwise precluded by law, the Parish Attorney or his designee, with the concurrence of the Director of Risk Management or his designee, may agree on a case-by-case basis, to deviate from Jefferson Parish's standard insurance requirements, as provided in this Section. Vendors requesting deviation therefrom shall submit such requests in writing, along with compelling substantiation, to the Purchasing Department prior to the bid's due date. Any changes to the insurance requirements will be reflected in the bid specifications and addenda. Prior to contract execution and at all times thereafter during the term of such contract, contractors must provide and continuously maintain all coverages as required by the foregoing Resolutions, and the contract documents. Failure to do so shall be grounds for suspension, discontinuation or termination of the contract.

For bidding purposes, bidders must submit with bid submission a current (valid) insurance certificate evidencing the required coverages. Failure to comply will cause bid to be rejected. The current insurance certificate will be used for proof of insurance at time of evaluation. Thereafter, and prior to contract execution, the low bidder will be required to provide final insurance certificates to the Parish which shall name the Jefferson Parish, its Districts Departments and Agencies under the direction of the Parish President and the Parish Council as additional insureds regarding negligence by the contractor for the Commercial General Liability, Workmen's Compensation Insurance and the Comprehensive Automobile Liability policies. Additionally, said certificates should reflect the name of the Parish Department receiving goods and services and reference the respective Jefferson Parish bid number.

JEFFERSON PARISH REQUIRED STANDARD INSURANCE

☒ WORKER'S COMPENSATION INSURANCE

As required by Louisiana State Statute, exception; Employer's Liability, Section B shall be \$1,000,000 per occurrence when Work is to be over water and involves maritime exposures to cover all employees not covered under the State Worker's Compensation Act, otherwise this limit shall be no less than \$500,000 per occurrence.

Note: If your company is not required by law to carry workmen's compensation insurance, i.e. not a Louisiana company, sole employee of the company, then bidders must request a workmen's compensation insurance declaration affidavit prior to the bid opening date. This insurance declaration affidavit must be fully completed, signed, properly notarized and submitted with the bid. A scanned copy may be submitted with the bid; however, the successful bidder must submit the original affidavit in its original format and without material alteration upon contract execution. Failure to comply will result in the bid submission being rejected as non-responsive. The Parish reserves the right to award bid to the next lowest responsive and responsible bidder in this event.

☒ **COMMERCIAL GENERAL LIABILITY**

Shall provide limits not less than the following: \$1,000,000.00 Combined Single Limit per Occurrence for bodily injury and property damage.

☒ **COMPREHENSIVE AUTOMOBILE LIABILITY**

Bodily injury liability \$1,000,000.00 each person; \$1,000,000.00 each occurrence.
Property Damage Liability \$1,000,000.00 each occurrence.

Note: This category may be omitted if bidders do not/will not utilize company vehicles for the project or do not possess company vehicles. Bidder must request an automobile insurance declaration affidavit prior to the bid opening date. This insurance declaration affidavit must be fully completed, signed, properly notarized and submitted with the bid. A scanned copy of the completed, signed and properly notarized affidavit may be submitted with the bid; however, the successful bidder must submit the original affidavit in its original format and without material alteration upon contract execution. Failure to comply will result in the bid submission being rejected as non-responsive. The Parish reserves the right to award bid to the next lowest responsive and responsible bidder in this event.

DEDUCTIBLES

No insurance required shall include a deductible not greater than \$10,000.00. The cost of the deductible shall be borne by the contractor.

NOTE: If the vendor requires a change in deductibles, the request must be submitted in writing to the Purchasing Department prior to the due date of the bid. Such request shall be reviewed by the Parish Attorney's Office with the concurrence of the Director of Risk Management.

UMBRELLA LIABILITY COVERAGE

An umbrella policy or excess may be used to meet minimum requirements.

FOR CONSTRUCTION AND RENOVATION PROJECTS:

The following are required unless otherwise specified in the bid. Such insurance is due upon contract execution.

1) OWNER'S PROTECTIVE LIABILITY

To be for the same limits of liability for bodily injury and property damage liability established for commercial general liability.

2) BUILDER'S RISK INSURANCE

The contractor shall maintain Builder's Risk Insurance at his own expense to insure both the owner (Parish of Jefferson) and contractor as their interest may appear.

DATE: 5/10/2017
BID NO.: 50-00119704

INVITATION TO BID
THIS IS NOT AN ORDER

Page: 1

JEFFERSON PARISH

PURCHASING DEPARTMENT
P.O. BOX 9
GRETN, LA. 70054-0009
504-364-2678

BUYER: DNELSON@jeffparish.net

BIDS WILL BE RECEIVED IN THE WEST BANK PURCHASING DEPT, SUITE 4400, JEFFERSON PARISH GENERAL GOVERNMENT BUILDING, 200 DERBIGNY STREET, GRETN, LA 70053 UNTIL 2:00 PM, 5/25/2017 AND PUBLICLY OPENED THEREAFTER.

For convenience, bidders may also submit bids in the East Bank Purchasing Department, Suite 404, Jefferson Parish Joseph S. Yenni Building, 1221 Elmwood Park Blvd., Jefferson LA 70123. However, if submitting bids on the day of bid opening, bidders must submit at the West Bank location only. All bids will be publicly opened at the West Bank location.

At no charge, bidders may also submit via Jefferson Parish's electronic procurement page by visiting www.jeffparishbids.net to register for this free site. Additional instructions are included in the text box highlighting electronic procurement.

LATE BIDS WILL NOT BE ACCEPTED

Unless submitting via online (see Page 3), each bid must be submitted in a sealed envelope bearing on the outside; the name of the Bidder, his address, and the name of the project for which the bid is submitted and the bid number.

NOTE: ONLY BIDS WRITTEN IN INK OR TYPEWRITTEN, AND PROPERLY SIGNED BY A MEMBER OF THE FIRM OR AUTHORIZED REPRESENTATIVE, WILL BE ACCEPTED. PENCIL AND/OR PHOTOSTATIC FIGURES OR SIGNATURES SHALL RESULT IN BID REJECTION.

INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS

THE FOLLOWING INSTRUCTIONS APPLY TO ALL BIDS

All bids submitted are subject to these instructions and general conditions and any special conditions and specifications contained herein, all of which are made part of this bid proposal reference. By submitting a bid, vendor agrees to comply with all provisions of Louisiana Law as well be in compliance with the Jefferson Parish Code of Ordinances, Louisiana Code of Ethics, applicable Jefferson Parish ethical standards and Jefferson Parish Resolution No. 113646 and/or Resolution No. 113647.

All vendors submitting bids should register as a Jefferson Parish vendor if not already yet registered. Registration forms may be downloaded from <http://purchasing.jeffparish.net> and by clicking on Vendor Information. Current W-9 forms with respective Tax Identification numbers and vendor applications may be submitted at any time; however, if your company is not registered and/or a current W-9 form is not on file, vendor registration is mandatory. Further, a current W-9 form and respective Tax Identification number must be supplied upon contract execution, should you be awarded a contract and/or issued purchase order. Failure to do so may result in delay of payment.

All quotations shall be based on F.O.B. Agency warehouse or job site, anywhere within the Parish as designated by the Purchasing Department. This provision does not apply to public works projects

JEFFERSON PARISH requires all products to be new (current) and all work must be performed according to standard practices for the project. Unless otherwise specified, no aftermarket parts will be accepted. Unless otherwise specified, all workmanship and materials must have at least one (1) year guaranty, in writing, from the date of delivery and/or acceptance of the project. Any deviations or alterations from the specifications must be indicated and/or supporting documentation supplied with bid submission.

Bidders should submit all questions in writing and fax them to the Purchasing Department at (504) 364-2693 no later than FIVE (5) working days prior to bid opening. Bid numbers should be mentioned in all requests. Questions may also be emailed to the buyer for this bid at the email address listed above. If submitting online, vendors may send questions via the E-Procurement site no later than Five (5) working days prior to the bid opening.

If this bid requires a pre-bid conference (see Additional Requirements section), bidders are advised that such conference will be held to allow bidders the opportunity to identify any discrepancies in the bid specifications and seek further clarification regarding instructions. The Purchasing Department will issue a written response to bidders' questions in the form of an Addendum. Please note that all official communication will be expressed in the form of an addendum.

All formal Addenda require written acknowledgement on the bid form by the bidder. Failure to acknowledge an Addendum on the bid form shall cause the bid to be rejected. JEFFERSON PARISH reserves the right to award bid to next lowest responsive and responsible bidder in this event.

The purpose and intention of this invitation to bid is to afford all suppliers an equal opportunity to bid on all construction, maintenance, repair, operating supplies and/or equipment listed in this bid proposal. JEFFERSON PARISH WILL ACCEPT ONE BID ONLY FROM EACH VENDOR. Items bid must meet specifications.

Visit our website at [HTTP://PURCHASING.JEFFPARISH.NET](http://PURCHASING.JEFFPARISH.NET)

DATE: 5/10/2017

BID NO.: 50-00119704

Page: 2

JEFFERSON PARISH will accept one price for each item unless otherwise indicated. Two or more prices for one item will result in bid rejection. Bidders are required to complete, sign and return the bid form and/or complete and return the associated line item pricing forms as indicated. Vendors must not alter the bid forms. Doing so will cause the bid to be rejected.

A corporate resolution or written evidence of the individual signing the bid having such authority must be submitted with the bid. Failure to comply will cause bid to be rejected. For corporate entities, such written evidence may be a printout of the Louisiana Secretary of State's website listing the signatory as an officer. Such printout shall be included with the bid submission. Bids submitted by Owners or Sole Proprietorships must include certification that he or she owns the entity for which the bid is signed. This documentation must be submitted with the bid. Failure to do so will result in bid rejection.

NOTE: A sample corporate resolution can be downloaded from our website <http://purchasing.jeffparish.net> or you may provide your own document. A sample certification of sole proprietorship can also be downloaded from our website <http://purchasing.jeffparish.net> or you may provide your own document.

INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS

A. AWARD OF CONTRACT: JEFFERSON PARISH reserves the right to award contracts or place orders on a lump sum or individual item basis, or such combination, as shall in its judgment be in the best interest of JEFFERSON PARISH. Every contract or order shall be awarded to the LOWEST RESPONSIVE and RESPONSIBLE BIDDER, taking into consideration the CONFORMITY WITH THE SPECIFICATIONS and the DELIVERY AND/OR COMPLETION DATE. SPLIT AWARDS MADE TO SEVERAL VENDORS WILL ONLY BE GRANTED TO THOSE DEEMED RESPONSIVE AND RESPONSIBLE.

All bid prices shall remain valid for 45 days. Jefferson Parish and the lowest responsive and responsible bidder(s) by mutual written consent may mutually agree to extend the deadline for award by one (1) or more extensions of thirty (30) calendar days.

PROTESTS: Only those vendors that submitted a bid in response to this solicitation may submit a protest in writing to the Director of the Purchasing within 48 hours of bid opening. The Purchasing Director will review it in connection with the Parish Attorney's Office which will then respond in writing as soon as possible.

PREFERENCE: Unless federal funding is directly spent by Jefferson Parish for this purchase, preference is hereby given to materials, supplies, and provisions produced, manufactured or grown in Louisiana, quality being equal to articles offered by competitors outside the state. "LSA - R.S. 38:2251-2261"

B. USE OF BRAND NAMES AND STOCK NUMBERS: Where brand names and stock numbers are specified, it is for the purpose of establishing certain minimum standards of quality. Bids may be submitted for products of equal quality, provided brand names and stock numbers are specified. Complete product data may be required prior to award.

C. CANCELLATION OF CONTRACT: JEFFERSON PARISH reserves the right to cancel all or any part if not shipped promptly. No charges will be allowed for parking or cartage unless specified in quotation. The order must not be filled at a higher price than quoted. JEFFERSON PARISH reserves the right to cancel any contract at anytime and for any reason by issuing a THIRTY (30) day written notice to the contractor.

For good cause and as consideration for executing a contract with Jefferson Parish, vendor conveys, sells, assigns and transfers to Jefferson Parish or its assigns all rights, title and interest in and to all causes of action it may now or hereafter acquire under the antitrust laws of the United States and the State of Louisiana, relating to the particular good or services purchased or acquired by Jefferson Parish.

D. PRICES: Jefferson Parish is exempt from paying sales tax under LSA-R.S. 47:301 (8)(c). All prices for purchases by Jefferson Parish of supplies and materials shall be quoted in the unit of measure specified and unless otherwise specified, shall be exclusive of state and Parish taxes. The price quoted for work shall be stated in figures. In the event there is a difference in unit prices and totals, the unit price shall prevail.

Quantities listed are for bidding purposes only. Actual requirements may be more or less than quantities listed.

Bidders are not to exclude from participation in, deny the benefits of, or subject to discrimination under any program or activity, any person in the United States on the grounds of race, color, national origin, or sex; nor discriminate on the basis of age under the Age Discrimination Act of 1975, or with respect to an otherwise qualified handicapped individual as provided in Section 504 of the Rehabilitation Act of 1973, or on the basis of religion, except that any exemption from such prohibition against discrimination on the basis of religion as provided in the Civil Rights Act of 1964, or Title VI and VII of the Act of April 11, 1968, shall also apply. This assurance includes compliance with the administrative requirements of the Revenue Sharing final handicapped discrimination provisions contained in Section 51.55 (c), (d), (e), and (k)(5) of the Regulations. New construction or renovation projects must comply with Section 504 of the 1973 Rehabilitation Act, as amended, in accordance with the American National Standard Institute's specifications (ANSI A17.1-1961).

Jefferson Parish and its partners as the recipients of federal funds are fully committed to awarding a contract(s) to firm(s) that will provide high quality services and that are dedicated to diversity and to containing costs. Thus, Jefferson Parish strongly encourages the involvement of minority and/or woman-owned business enterprises (DBE's, including MBE's, WBE's and SBE's) to stimulate participation in procurement and assistance programs.

DATE: 5/10/2017

BID NO.: 50-00119704

INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS

Page: 3

Advertised bids will be tabulated and a copy of the tabulation will be forwarded to each responding bidder.

IN ACCORDANCE WITH STATE REGULATIONS JEFFERSON PARISH OFFERS ELECTRONIC PROCUREMENT TO ALL VENDORS

This electronic procurement system allows vendors the convenience of reviewing and submitting bids online. This is a secure site and authorized personnel have limited read access only. Bidders are encouraged to submit electronically using this free service; while the website accepts various file types, one single PDF file containing all appropriate and required bid documents is preferred. Bidders submitting uploaded images of bid responses are solely responsible for clarity. If uploaded images/documents are not legible, then bidder's submission will be rejected. Please note all requirements contained in this bid package for electronic bid submission.

Please visit our E-Procurement Page at www.jeffparishbids.net to register and view Jefferson Parish solicitations. For more information, please visit the Purchasing Department page at <http://purchasing.jeffparish.net>.

The general specifications for construction projects and the purchase of materials, services and/or supplies are those adopted by the JEFFERSON PARISH Council by Resolution No. 113646 or 113647 dated 12/09/09. The general conditions adopted by this resolution shall be considered as much a part of this document as if they were written wholly herein. A copy may be obtained from the Office of the Parish Clerk, Suite 6700, Jefferson Parish General Government Building, 200 Derbigny Street, Gretna, LA 70053. You may also obtain a copy by visiting the Purchasing Department webpage at <http://purchasing.jeffparish.net> and clicking on Online Forms.

ADDITIONAL REQUIREMENTS FOR THIS BID

PLEASE MATCH THE NUMBERS PRINTED IN THIS BOX WITH THE
CORRESPONDING INSTRUCTIONS BELOW.

10,12,13,15

1. All bidders must attend the MANDATORY pre-bid conference and will be required to sign in and out as evidence of attendance. In accordance with LSA R.S. 38:2212(I), all prospective bidders shall be present at the beginning of the MANDATORY pre-bid conference and shall remain in attendance for the duration of the conference. Any prospective bidder who fails to attend the conference or remain for the duration shall be prohibited from submitting a bid for the project.
2. Attendance to this pre-bid conference is optional. However, failure to attend the pre-bid conference shall not relieve the bidder of responsibility for information discussed at the conference. Furthermore, failure to attend the pre-bid conference and inspection does not relieve the successful bidder from the necessity of furnishing materials or performing any work that may be required to complete the work in accordance with the specification with no additional cost to the owner.
3. Contractor must hold current applicable JEFFERSON PARISH licenses with the Department of Inspection and Code Enforcement. Contractor shall obtain any and all permits required by the JEFFERSON PARISH Department of Inspection and Code Enforcement. The contractor shall be responsible for the payment of these permits. All permits must be obtained prior to the start of the project. Contractor must also hold any and all applicable Federal and State licenses. Contractor shall be responsible for the payment of these permits and shall obtain them prior to the start of the project.
4. A LA State Contractor's License will be required in accordance with LSA R.S. 37-2150 et. seq. and such license number will be shown on the outside of the bid envelope. Failure to comply will cause the bid to be rejected. Additionally if submitting the bid electronically, then the license number must be entered in the appropriate field in the Electronic Procurement system. Failure to comply will cause the bid to be rejected.
5. It is the bidder's responsibility to visit the job site and evaluate the job before submitting a bid.
6. Job site must be clean and free of all litter and debris daily and upon completion of the contract. Passageways must be kept clean and free of material, equipment, and debris at all times. Flammable material must be removed from the job site daily because storage will not be permitted on the premises. Precautions must be exercised at all times to safeguard the welfare of JEFFERSON PARISH and the general public.

INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS

7. PUBLIC WORKS BIDS: All awards for public works in excess of \$5,000.00 will be reduced to a formal contract which shall be recorded at the contractor's expense with the Clerk of Court and Ex-Officio Recorder of Mortgages for the Parish of Jefferson. A price list of recordation costs may be obtained from the Clerk of Court and Ex-Officio Recorder of Mortgages for the Parish of Jefferson. All awards in excess of \$25,000.00 will require both a performance and a payment bond. Unless otherwise stated in the bid specifications, the performance bond requirements shall be 100% of the contract price. Unless otherwise state in the bid specifications, the payment bond requirements shall be 100% of the contract price. Both bonds shall be supplied at the signing of the contract.
8. NON-PUBLIC WORKS BIDS: A performance bond will be required for this bid. The amount of the bond will be 100% of the contract price unless otherwise indicated in the specifications. The performance bond shall be supplied at the signing of the contract.
9. NON-PUBLIC WORKS BIDS: A payment bond will be required for this bid. The amount of the bond will be 100% of the contract price unless otherwise indicated in the specifications. The payment bond shall be supplied at the signing of the contract.
10. Unless otherwise stated in the bid specifications, the successful bidder will be required to procure standard insurance policies evidencing Parish-mandated insurance requirements as indicated on the attached "insurance requirements" sheet. All bidders must comply with the instructions in this sheet. Failure to comply will cause bid to be rejected.
11. A bid bond will be required with bid submission in the amount of 5% of the total bid, unless otherwise stated in the bid specifications. Acceptable forms shall be limited to cashier's check, certified check, or surety bid bond. All sureties must be in original format (no copies) If submitting a bid online, vendors must submit an electronic bid bond through the respective online clearinghouse bond management system(s) as indicated in the electronic bid solicitation on Central Auction House. No scanned paper copies of any bid bond will be accepted as part of the electronic bid submission.
12. This is a requirements contract to be provided on an as needed basis. JEFFERSON PARISH makes no representations on warranties with regard to minimum guaranteed quantities unless otherwise stated in the bid specifications.
13. Freight charges should be included in total cost when quoting. If not quoted FOB DELIVERED, freight must be quoted as a separate item. Bid may be rejected if not quoted FOB DELIVERED or if freight charges are not indicated on bid form.
14. PUBLIC WORKS BIDS - Completed, Signed and Properly Notarized Affidavits Required; This applies to all solicitations for construction, alteration or demolition of public buildings or projects, in conformity with the provisions contained in LSA-RS 38:2212.9, LSA-RS 38:2212.10, LSA-RS 38:2224, and Sec 2-923.1 of the Jefferson Parish Code of Ordinances. For bidding purposes, all bidders must submit with bid submission COMPLETED, SIGNED and PROPERLY NOTARIZED Affidavits, including: Non-Conviction Affidavit, Non-Collusion Affidavit, Campaign Contribution Affidavit, Debt Disclosures Affidavit and E-Verify Affidavit. For the convenience of vendors, all affidavits have been combined into one form entitled PUBLIC WORKS BID AFFIDAVIT. This affidavit must be submitted in its original format, and without material alteration, in order to be compliant and for the bid to be considered responsive. A scanned copy of the completed, signed and properly notarized affidavit may be submitted with the bid, however, the successful bidder must submit the original affidavit in its original format and without material alteration upon contract execution. Failure to comply will result in the bid submission being rejected as non-responsive. The Parish reserves the right to award bid to the next lowest responsive and responsible bidder in this event.
15. NON PUBLIC WORK BIDS - Completed, Signed and Properly Notarized Affidavits Required in conformity with the provisions contained in LSA - RS 38:2224 and Sec 2-923.1 of the Jefferson Parish Code of Ordinances. For bidding purposes, all bidders must submit with bid submission COMPLETED, SIGNED and PROPERLY NOTARIZED Affidavits, including: Non-Collusion Affidavit, Debt Disclosures Affidavit and Campaign Contribution Affidavit. For the convenience of vendors, all affidavits have been combined into one form entitled NON PUBLIC WORKS BID AFFIDAVIT. This affidavit must be submitted in its original format, and without material alteration, in order to be compliant and for the bid to be considered responsive. A scanned copy of the completed, signed and properly notarized affidavit may be submitted with the bid, however, the successful bidder must submit the original affidavit in its original format and without material alteration upon contract execution. Failure to comply will result in the bid submission being rejected as non-responsive. The Parish reserves the right to award bid to the next lowest responsive and responsible bidder in this event.
16. The ensuing contract for this bid solicitation may be eligible for FEMA reimbursement and/or Federal funding/reimbursement. As such, the referenced appendix will be applicable accordingly and shall be considered a part of the bid documents. All applicable certifications must be duly completed, signed and submitted with bid submission. Failure to submit applicable certifications with bid submission will result in bid rejection.
17. For this project, the Contractor shall not pay any state or local sales or use taxes on materials and equipment which are affixed and made part of the immovable property of the project or which permanently incorporated in the project (hereinafter referred to as "applicable materials and equipment"). All purchases of applicable materials or equipment shall be made by the contractor on behalf of and as the agent of Jefferson Parish (Owner), a political subdivision of the State of Louisiana. No state and local sales and use taxes are owned on applicable materials and equipment under the provisions of Act 1029 of the 1991 Regular Session - Louisiana Revised Statute 47:301(8)(c). Owner will furnish contractor a certificate form which certifies that Owner is not required to pay such state or local sales and use taxes, and contractor shall furnish a copy of such certificate to all vendors or suppliers of the applicable materials and equipment

It shall be the duty of every parish officer, employee, department, agency, special district, board, and commission; and the duty of every contractor, subcontractor, and licensee of the parish, and the duty of every applicant for certification of eligibility for a parish contract or program, to cooperate with the Inspector General in any investigation, audit, inspection, performance review, or hearing pursuant to Jefferson Parish Code of Ordinances Section 2-155.10(19). By submitting a bid, vendor acknowledges this and will abide by all provisions of the referenced Jefferson Parish Code of Ordinances.

DATE: 5/10/2017

Page: 5

BID NO.: 50-00119704

BID FORM
Non Public Works

All Public Work Projects are required to use the Louisiana Uniform Public Work Bid Form

All prices must be held firm unless an escalation provision is requested in this bid. Jefferson Parish will allow one escalation during the term of the contract, which may not exceed the U.S. Bureau of Labor Statistics National Index for all Urban Consumers, unadjusted 12 month figure. The most recently published figure issued at the time an adjustment is requested will be used. A request must be made in writing by the vendor, and the escalation will only be applied to purchases made after the request is made.

Are you requesting an escalation provision?

YES _____ NO X

MAXIMUM ESCALATION PERCENTAGE REQUESTED _____ %

INITIAL BID PRICES WILL REMAIN FIRM THROUGH THE DATE OF _____

For the purposes of comparison of bids when an escalation provision is requested, Jefferson Parish will apply the maximum escalation percentage quoted by the bidder to the period to which it is applied in the bid. The initial price and the escalation will be used to calculate the total bid price. It will be assumed, for comparison of prices only, that an equal amount of material or labor is purchased each month throughout the entire contract.

DELIVERY: FOB JEFFERSON PARISH

INDICATE DELIVERY DATE ON EQUIPMENT AND SUPPLIES

7-15 DAYS

LOUISIANA CONTRACTOR'S LICENSE NO.: (if applicable) _____

THIS SECTION MUST BE COMPLETED BY BIDDER:

FIRM NAME: Cmsco

ADDRESS: 1840 LTA Road

CITY, STATE: Metairie, LA ZIP: 70001

TELEPHONE: (504) 835-7319 FAX: (504) 832-0820

EMAIL ADDRESS: Jeff@Cmscinc.com

In the event that addenda are issued with this bid, bidders MUST acknowledge all addenda on the bid form. Bidder must acknowledge receipt of an addendum on the bid form as indicated. Failure to acknowledge any addendum on the bid form will result in bid rejection.

Acknowledge Receipt of Addenda: NUMBER: #1 5/24

NUMBER: #2 5/25

NUMBER: _____

NUMBER: _____

TOTAL PRICE OF ALL BID ITEMS: \$ 272,636.96

AUTHORIZED SIGNATURE: [Signature]

TITLE: SALES

Jeff Devlin

Printed Name

SIGNING INDICATES YOU HAVE READ AND COMPLY WITH THE INSTRUCTIONS AND CONDITIONS.

NOTE: All bids should be returned with the BID NUMBER and BID OPENING DATE indicated on the outside of the envelope submitted to the Purchasing Department.

DATE: 5/10/2017

INVITATION TO BID FROM JEFFERSON PARISH - continued

Page 6

BID NO.: 50-00119704

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
1	2.00	EA	ONE (1) YEAR CONTRACT FOR A SUPPLY OF COUPLINGS, RESTRAINING DEVICES, AND THE RELATED GASKETS FOR THE JEFFERSON PARISH DEPARTMENT OF PUBLIC WORKS WATER & SEWER & ALL J.P. AGENCIES AND MUNICIPALITIES		
			0010 3 INCH FLANGE RESTRAINER PART #1003 (38418)	18.25	36.50
2	2.00	EA	0020 4 INCH FLANGE RESTRAINER PART #1004 (38417)	36.94	73.88
3	2.00	EA	0030 6 INCH FLANGE RESTRAINER PART #1006 (38415)	37-	74-
4	2.00	EA	0040 8 INCH FLANGE RESTRAINER PART #1008 (38416)	37-	74-
5	2.00	EA	0050 10 INCH FLANGE RESTRAINER PART #1010 (38419)	54-	108-
6	2.00	EA	0060 12 INCH FLANGE RESTRAINER PART #1012 (38411)	59-	118-
7	2.00	EA	0070 14 INCH FLANGE RESTRAINER PART #1014 (38412)	131.31	262.62
8	2.00	EA	0080 16 INCH FLANGE RESTRAINER PART #1016 (38413)	174-	348-
9	2.00	EA	0090 18 INCH FLANGE RESTRAINER PART #1018 (38424)	202-	404-
10	2.00	EA	0100 20 INCH FLANGE RESTRAINER PART #1020 (38420)	243-	486-
11	2.00	EA	0110 24 INCH FLANGE RESTRAINER PART #1024 (38414)	294.86	589.72
12	2.00	EA	0120 4 INCH BELL RESTRAINT HARNESS C900 SPLIT SERRATED RING	34-	68-

DATE: 5/10/2017

INVITATION TO BID FROM JEFFERSON PARISH - continued

Page 7

BID NO.: 50-00119704

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
13	16.00	EA	PART #1504 (51240) 0130 6 INCH BELL RESTRAINT HARNESS C900 SPLIT SERRATED RING	48 ⁻	768 ⁻
14	2.00	EA	PART #1506 (51241) 0140 8 INCH BELL RESTRAINT HARNESS C900 SPLIT SERRATED RING	75 ⁻	150 ⁻
15	2.00	EA	PART #1508 (51242) 0150 4 INCH BELL RESTRAINT HARNESS C900 SERRATED & NON-SERRATED RING	37 ⁻	74 ⁻
16	2.00	EA	PART #1604 0160 6 INCH BELL RESTRAINT HARNESS C900 SERRATED & NON-SERRATED RING	48 ⁻	96 ⁻
17	2.00	EA	PART #1606 (51241A) 0170 8 INCH BELL RESTRAINT HARNESS C900 SERRATED & NON-SERRATED RING	68 ⁻	136 ⁻
18	2.00	EA	PART #1608 (51242A) 0180 10 INCH BELL RESTRAINT HARNESS C900 SERRATED & NON-SERRATED RING	87 ⁻	174 ⁻
19	2.00	EA	PART #1610 (51243) 0190 4 INCH BELL RESTRAINT HARNESS D.I. PART #1704	24.50	49 ⁻
20	2.00	EA	0200 6 INCH BELL RESTRAINT HARNESS D.I. PART #1705	39.63	79.26
21	1.00	EA	0210 8 INCH BELL RESTRAINT HARNESS D.I. PART #1708	44.96	44.96
22	2.00	EA	0220 10 INCH BELL RESTRAINT HARNESS D.I. PART #1710 (51254)	78.14	156.28
23	2.00	EA	0230 12 INCH BELL RESTRAINT HARNESS D.I. PART #1712	98 ⁻	196 ⁻

DATE: 5/10/2017

INVITATION TO BID FROM JEFFERSON PARISH - continued

Page 8

BID NO.: 50-00119704

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
24	2.00	EA	0240 14 INCH BELL RESTRAINT HARNESS D.I. PART #1714	100.40	200.80
25	2.00	EA	0250 16 INCH BELL RESTRAINT HARNESS D.I. PART #1716 (51253)	204.65	409.30
26	2.00	EA	0260 18 INCH BELL RESTRAINT HARNESS D.I. PART #1718	215.97	431.94
27	2.00	EA	0270 20 INCH BELL RESTRAINT HARNESS D.I. PART #1720	303.82	607.64
28	2.00	EA	0280 24 INCH BELL RESTRAINT HARNESS D.I. PART #1724	404 ⁻	808 ⁻
29	2.00	EA	0290 30 INCH BELL RESTRAINT HARNESS D.I. PART #1730	714 ⁻	1428 ⁻
30	2.00	EA	0300 36 INCH BELL RESTRAINT HARNESS D.I. PART #1736	1076 ⁻	2152 ⁻
31	2.00	EA	0310 1.5 INCH FLANGE COUPLING ADAPTER EPOXY COATED; PART #2100-0213-260 (17980)	89 ⁻	178 ⁻
32	2.00	EA	0320 2 INCH FLANGE COUPLING ADAPTER EPOXY COATED; PART #2100-0303-260 (17981)	95.25	190.50
33	2.00	EA	0330 3 INCH FLANGE COUPLING ADAPTER EPOXY COATED; PART #2100-0433-260 (17982)	135.26	270.52
34	24.00	EA	0340 4 INCH FLANGE COUPLING ADAPTER EPOXY COATED; PART #2100-0563-260 (17984)	178 ⁻	4272 ⁻
35	12.00	EA	0350 6 INCH FLANGE COUPLING ADAPTER EPOXY COATED; PART #2100-0768-260	234 ⁻	2808 ⁻

DATE: 5/10/2017

INVITATION TO BID FROM JEFFERSON PARISH - continued

Page 9

BID NO.: 50-00119704

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
36	16.00	EA	(17985) 0360 8 INCH FLANGE COUPLING ADAPTER EPOXY COATED; PART #2100-0984-260	310 ⁻	4960 ⁻
37	2.00	EA	(17986) 0370 10 INCH FLANGE COUPLING ADAPTER EPOXY COATED; PART #2100-1226-260	508 ⁻	1016 ⁻
38	2.00	EA	(17988) 0380 12 INCH FLANGE COUPLING ADAPTER EPOXY COATED; PART #2100-1366-260	421.43	842.86
39	2.00	EA	(17989) 0390 12 INCH FLANGE COUPLING ADAPTER EPOXY COATED; PART #2100-1441-260	421.43	842.86
40	2.00	EA	(17990) 0400 3 INCH FLANGE COUPLING ADAPTER TEFLON COATED; PART #2103 (17999A)	44.41	88.82
41	2.00	EA	0410 4 INCH FLANGE COUPLING ADAPTER TEFLON COATED; PART #2104 (18000A)	82.89	165.78
42	2.00	EA	0420 6 INCH FLANGE COUPLING ADAPTER TEFLON COATED; PART #2106 (18001A)	122.40	244.80
43	2.00	EA	0430 8 INCH FLANGE COUPLING ADAPTER TEFLON COATED; PART #2108 (18002A)	158.41	316.82
44	2.00	EA	0440 10 INCH FLANGE COUPLING ADAPTER TEFLON COATED; PART #2110 (18003A)	274.64	549.28
45	2.00	EA	0450 12 INCH FLANGE COUPLING ADAPTER TEFLON COATED; PART #2112 (18004A)	309.81	619.62
46	2.00	EA	0460 14 INCH FLANGE COUPLING ADAPTER TEFLON COATED; PART #2114 (18005A)	478 ⁻	956 ⁻
47	2.00	EA	0470 16 INCH FLANGE COUPLING ADAPTER TEFLON COATED; PART #2116 (18006A)	823 ⁻	1646 ⁻

DATE: 5/10/2017

INVITATION TO BID FROM JEFFERSON PARISH - continued

Page 10

BID NO.: 50-00119704

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
48	2.00	EA	0480 18 INCH FLANGE COUPLING ADAPTER TEFLON COATED; PART #2118 (18015A)	975 ⁻	1950 ⁻
49	2.00	EA	0490 20 INCH FLANGE COUPLING ADAPTER TEFLON COATED; PART #2120 (18016A)	1217 ⁻	2434 ⁻
50	2.00	EA	0500 24 INCH FLANGE COUPLING ADAPTER TEFLON COATED; PART #2124 (18017A)	1454 ⁻	2908 ⁻
51	2.00	EA	0510 30 INCH FLANGE COUPLING ADAPTER TEFLON COATED; PART #2130 (18018A)	1714 ⁻	3428 ⁻
52	2.00	EA	0520 36 INCH FLANGE COUPLING ADAPTER TEFLON COATED; PART #2136 (18019A)	2700 ⁻	5400 ⁻
53	2.00	EA	0530 42 INCH FLANGE COUPLING ADAPTER TEFLON COATED; PART #2142 (18014A)	6900 ⁻	13800 ⁻
54	2.00	EA	0540 48 INCH FLANGE COUPLING ADAPTER TEFLON COATED; PART #2148 (18013A)	7800 ⁻	15600 ⁻
55	36.00	EA	0550 1.5 INCH TRANSITION COUPLING PART #2000-0213-260 (18019)	74 ⁻	2664 ⁻
56	60.00	EA	0560 2 INCH TRANSITION COUPLING PART #2000-0303-260 (18020)	69 ⁻	4140 ⁻
57	48.00	EA	0570 4 INCH TRANSITION COUPLING PART #2000-0563-260 (18031)	131.69	6321.12
58	250.00	EA	0580 6 INCH TRANSITION COUPLING PART #2000-0768-260 (18041)	184.12	46030 ⁻
59	150.00	EA	0590 8 INCH TRANSITION COUPLING PART #2000-0984-260 (18151)	198 ⁻	29700 ⁻
60	30.00	EA	0600 10 INCH TRANSITION COUPLING PART #2000-1226-260 (18079)	271 ⁻	8130 ⁻

DATE: 5/10/2017

INVITATION TO BID FROM JEFFERSON PARISH - continued

Page 11

BID NO.: 50-00119704

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
61	24.00	EA	0610 12 INCH TRANSITION COUPLING PART #2000-1441-260 (18155)	390.24	9365.76
62	2.00	EA	0620 14 INCH TRANSITION COUPLING PART #2000-1710-260 (18297A)	661-	1322-
63	2.00	EA	0630 16 INCH TRANSITION COUPLING PART #2000-1920-260 (18299)	803-	1606-
64	2.00	EA	0640 18 INCH TRANSITION COUPLING PART #2000-2160-260 (18300)	822.90	1645.80
65	2.00	EA	0650 20 INCH TRANSITION COUPLING PART #2000-2360-260 (18308)	946.72	1893.44
66	2.00	EA	0660 3 INCH JOINT RESTRAINER (D.I.) PART # 1103 DEC (51799)	19-	38-
67	2.00	EA	0670 4 INCH JOINT RESTRAINER (D.I.) PART # 1104 DEC (51800)	26-	52-
68	24.00	EA	0680 6 INCH JOINT RESTRAINER (D.I.) PART # 1106 DEC (51801)	36.25	870-
69	1.00	EA	0690 8 INCH JOINT RESTRAINER (D.I.) PART # 1108 DEC (51802)	44.55	44.55
70	2.00	EA	0700 10 INCH JOINT RESTRAINER (D.I.) PART # 1110 DEC (51803)	49-	98-
71	1.00	EA	0710 12 INCH JOINT RESTRAINER (D.I.) PART # 1112 DEC (51804)	79-	79-
72	2.00	EA	0720 14 INCH JOINT RESTRAINER (D.I.) PART # 1114 DEC (51805)	79.90	159-
73	2.00	EA	0730 16 INCH JOINT RESTRAINER (D.I.) PART # 1116 DEC (51806)	136-	272-

DATE: 5/10/2017

INVITATION TO BID FROM JEFFERSON PARISH - continued

Page 12

BID NO.: 50-00119704

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
74	2.00	EA	0740 18 INCH JOINT RESTRAINER (D.I.) PART # 1118 DEC (51807)	132 ⁻	264 ⁻
75	6.00	EA	0750 20 INCH JOINT RESTRAINER (D.I.) PART # 1120 DEC (51808)	168 ⁻	1008 ⁻
76	2.00	EA	0760 24 INCH JOINT RESTRAINER (D.I.) PART # 1124 DEC (51809)	254 ⁻	508 ⁻
77	1.00	EA	0770 30 INCH JOINT RESTRAINER (D.I.) PART # 1130 DEC (51810)	575 ⁻	575 ⁻
78	1.00	EA	0780 36 INCH JOINT RESTRAINER (D.I.) PART # 1136 DEC (51811)	736 ⁻	736 ⁻
79	2.00	EA	0790 42 INCH JOINT RESTRAINER (D.I.) PART # 1142 DEC (51812)	1100 ⁻	2200 ⁻
80	2.00	EA	0800 48 INCH JOINT RESTRAINER (D.I.) PART # 1148 DEC (51813)	1574.59	3149.18
81	2.00	EA	0810 3 INCH JOINT RESTRAINER (C900) PART # 2003PEC (51819)	21 ⁻	42 ⁻
82	120.00	EA	0820 4 INCH JOINT RESTRAINER (C900) PART # 2004PEC (51820)	33 ⁻	3960 ⁻
83	300.00	EA	0830 6 INCH JOINT RESTRAINER (C900) PART # 2006PEC (51821)	43 ⁻	12900 ⁻
84	200.00	EA	0840 8 INCH JOINT RESTRAINER (C900) PART # 2008PEC (51822)	54 ⁻	10800 ⁻
85	2.00	EA	0850 10 INCH JOINT RESTRAINER (C900) PART # 2010PEC (51823)	59 ⁻	118 ⁻
86	2.00	EA	0860 12 INCH JOINT RESTRAINER (C900) PART # 2012PEC (51824)	82 ⁻	164 ⁻

INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00119704

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
87	2.00	EA	0870 14 INCH JOINT RESTRAINER (C900) PART # 2014PEC (51825)	99 ⁻	198 ⁻
88	2.00	EA	0880 16 INCH JOINT RESTRAINER (C900) PART # 2016PEC (51826)	136 ⁻	272 ⁻
89	2.00	EA	0890 18 INCH JOINT RESTRAINER (C900) PART # 2018PEC (51827)	141 ⁻	282 ⁻
90	2.00	EA	0900 20 INCH JOINT RESTRAINER (C900) PART # 2020PEC (51828)	178 ⁻	356 ⁻
91	4.00	EA	0910 24 INCH JOINT RESTRAINER (C900) PART # 2024PEC (51829)	265 ⁻	1060 ⁻
92	1.00	EA	0920 30 INCH JOINT RESTRAINER (C900) PART # 2030PEC (51830)	681.31	681.31
93	1.00	EA	0930 36 INCH JOINT RESTRAINER (C900) PART # 2036PEC (51831)	810 ⁻	810 ⁻
94	8.00	EA	0940 PIPE SIZE 6 INCH TRANSITION GASKET NOM (51132)	3 ⁻	24 ⁻
95	2.00	EA	0950 PIPE SIZE 8 INCH TRANSITION GASKET NOM (51133)	4 ⁻	8 ⁻
96	2.00	EA	0960 PIPE SIZE 10 INCH TRANSITION GASKET NOM (51134)	4 ⁻	8 ⁻
97	2.00	EA	0970 PIPE SIZE 12 INCH TRANSITION GASKET NOM (51135)	5 ⁻	10 ⁻
98	2.00	EA	0980 PIPE SIZE 3 INCH MECHANICAL JOINT GASKET; NOM: O.D. 4.875 INCH (51220)	3 ⁻	6 ⁻
99	2.00	EA	0990 PIPE SIZE 4 INCH MECHANICAL JOINT GASKET; NOM: O.D. 4.80 INCH (51221)	3 ⁻	6 ⁻

DATE: 5/10/2017

INVITATION TO BID FROM JEFFERSON PARISH - continued

Page 14

BID NO.: 50-00119704

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
100	60.00	EA	1000 PIPE SIZE 6 INCH MECHANICAL JOINT GASKET; NOM: O.D. 6.90 INCH (51222)	3 ⁻	180 ⁻
101	2.00	EA	1010 PIPE SIZE 8 INCH MECHANICAL JOINT GASKET; NOM: O.D. 9.05 INCH (51223)	3 ⁻	6 ⁻
102	2.00	EA	1020 PIPE SIZE 10 INCH MECHANICAL JOINT GASKET; NOM: O.D. 11.10 INCH (51224)	3 ⁻	6 ⁻
103	2.00	EA	1030 PIPE SIZE 12 INCH MECHANICAL JOINT GASKET; NOM: O.D. 13.20 INCH (51225)	5 ⁻	10 ⁻
104	2.00	EA	1040 PIPE SIZE 14 INCH MECHANICAL JOINT GASKET; NOM: O.D. 15.30 INCH (51226)	5 ⁻	10 ⁻
105	2.00	EA	1050 PIPE SIZE 16 INCH MECHANICAL JOINT GASKET; NOM: O.D. 17.40 INCH (51227)	6 ⁻	12 ⁻
106	2.00	EA	1060 PIPE SIZE 18 INCH MECHANICAL JOINT GASKET; NOM: O.D. 19.50 INCH (51228)	7 ⁻	14 ⁻
107	2.00	EA	1070 PIPE SIZE 20 INCH MECHANICAL JOINT GASKET; NOM: O.D. 21.60 INCH (51229)	7 ⁻	14 ⁻
108	2.00	EA	1080 PIPE SIZE 24 INCH MECHANICAL JOINT GASKET; NOM: O.D. 25.80 INCH (51230)	9 ⁻	18 ⁻
109	2.00	EA	1090 PIPE SIZE 30 INCH MECHANICAL JOINT GASKET; NOM: O.D. 32.00 INCH (51231)	21 ⁻	42 ⁻
110	2.00	EA	1100 PIPE SIZE 36 INCH MECHANICAL JOINT GASKET; NOM: O.D. 38.30 INCH (51232)	24 ⁻	48 ⁻
111	2.00	EA	1110 PIPE SIZE 42 INCH MECHANICAL JOINT GASKET; NOM: O.D. 44.50 INCH (51233)	49 ⁻	98 ⁻
112	2.00	EA	1120 PIPE SIZE 48 INCH MECHANICAL JOINT GASKET; NOM: O.D. 50.80 INCH (51234)	54 ⁻	108 ⁻

DATE: 5/10/2017

INVITATION TO BID FROM JEFFERSON PARISH - continued

Page 15

BID NO.: 50-00119704

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
	<i>ADD #1</i>				
113	<i>24</i> 288.00	<i>CS</i> EA	1130 PIPE LUBRICANT (50180)	<i>108⁻</i>	<i>2592⁻</i>
114	2.00	EA	1140 4 INCH DUCTILE IRON BODY TRANSITIONAL COUPLINGS 4 - 12 INCHES (NON-RESTRAINED)	<i>167⁻</i>	<i>334⁻</i>
115	2.00	EA	1150 6 INCH DUCTILE IRON BODY TRANSITIONAL COUPLINGS 4 - 12 INCHES (BIB-RESTRAINED)	<i>215⁻</i>	<i>430⁻</i>
116	2.00	EA	1160 8 INCH DUCTILE IRON BODY TRANSITIONAL COUPLINGS 4 - 12 INCHES (NON-RESTRAINED)	<i>241⁻</i>	<i>482⁻</i>
117	2.00	EA	1170 10 INCH DUCTILE IRON BODY TRANSITIONAL COUPLINGS 4 - 12 INCHES (NON-RESTRAINED)	<i>296⁻</i>	<i>592⁻</i>
118	2.00	EA	1180 12 INCH DUCTILE IRON BODY TRANSITIONAL COUPLINGS 4 - 12 INCHES (NON-RESTRAINED)	<i>370⁻</i>	<i>740⁻</i>
119	24.00	EA	1190 14 INCH X 12 INCH REDUCING COUPLING HYMAX #861560315035316 (18156)	<i>1509.71</i>	<i>36233.04</i>



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

8/19/2016

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER

E B Ducasse Insurance Agency, Inc
3200 Ridgeland Dr, Suite 401

Metairie LA 70002

INSURED

CIMSCO INC
1840 L AND A ROAD

METAIRIE LA 70001-6237

CONTACT NAME: Darly Oser

PHONE:

(A/C No. Ext): (504) 840-9883

FAX (A/C No): (504) 840-9889

E-MAIL:

ADDRESS: doser@ebducasse.com

INSURER(S) AFFORDING COVERAGE

NAIC #

INSURER A: United Fire and Indemnity Co 19496

INSURER B: Progressive Paloverde Insuran 44695

INSURER C: Retailers Casualty Ins. Co

INSURER D:

INSURER E:

INSURER F:

COVERAGES

CERTIFICATE NUMBER: CL1681900937

REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS

INSR LTR	TYPE OF INSURANCE	ADDL SUBR INSD WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY					
	<input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR		60418952	9/1/2016	9/1/2017	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 100,000 MED EXP (Any one person) \$ 5,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000 Liquor Liability Exclusion \$
	GEN'L AGGREGATE LIMIT APPLIES PER: <input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:					
B	AUTOMOBILE LIABILITY					
	ANY AUTO ALL OWNED AUTOS <input checked="" type="checkbox"/> SCHEDULED AUTOS HIRED AUTOS NON-OWNED AUTOS		01817731-4	9/1/2016	9/1/2017	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ Policy Fee \$
	UMBRELLA LIAB EXCESS LIAB	<input type="checkbox"/> OCCUR <input type="checkbox"/> CLAIMS-MADE				EACH OCCURRENCE \$ AGGREGATE \$
	DED RETENTION \$					
C	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N <input type="checkbox"/> N/A	99909508	9/1/2016	9/1/2017	PER STATUTE OTH-ER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

The Parish of Jefferson, its districts, departments, and agencies under the direction of the Parish President and Parish Council are named as additional insured on the general liability and auto liability policies when required by written contract. The general liability and workers comp insurers will have no right of recovery or subrogation against the Parish of Jefferson, its Districts, Departments and Agencies under the direction of the Parish President and Parish Council, it being the intention of the parties that the General Liability and Workers Compensation policies described above shall protect both parties and be primary coverage for any and all losses covered by the described insurance. Bid No: 50-00119704

CERTIFICATE HOLDER

The Parish of Jefferson, its Districts,
Department & Agencies under the direction
the Parish President & the Parish Council
Department of Engineering
1221 Elmwood Park Blvd Su 802
Jefferson, LA 70123

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

E Ducasse Sr./DARLY

Edward B. Ducasse, Sr.

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CORPORATE RESOLUTION

EXCERPT FROM MINUTES OF MEETING OF THE BOARD OF DIRECTORS OF
CIMSCO, INC.
INCORPORATED.

AT THE MEETING OF DIRECTORS OF CIMSCO, INC.
INCORPORATED, DULY NOTICED AND HELD ON November 1, 2016
A QUORUM BEING THERE PRESENT, ON MOTION DULY MADE AND SECONDED. IT
WAS:

RESOLVED THAT Jeffrey DeVillier, BE AND IS HEREBY
APPOINTED, CONSTITUTED AND DESIGNATED AS AGENT AND ATTORNEY-IN-
FACT OF THE CORPORATION WITH FULL POWER AND AUTHORITY TO ACT ON
BEHALF OF THIS CORPORATION IN ALL NEGOTIATIONS, BIDDING, CONCERNS
AND TRANSACTIONS WITH THE PARISH OF JEFFERSON OR ANY OF ITS AGENCIES,
DEPARTMENTS, EMPLOYEES OR AGENTS, INCLUDING BUT NOT LIMITED TO, THE
EXECUTION OF ALL BIDS, PAPERS, DOCUMENTS, AFFIDAVITS, BONDS, SURETIES,
CONTRACTS AND ACTS AND TO RECEIVE ALL PURCHASE ORDERS AND NOTICES
ISSUED PURSUANT TO THE PROVISIONS OF ANY SUCH BID OR CONTRACT, THIS
CORPORATION HEREBY RATIFYING, APPROVING, CONFIRMING, AND ACCEPTING
EACH AND EVERY SUCH ACT PERFORMED BY SAID AGENT AND ATTORNEY-IN-
FACT.

I HEREBY CERTIFY THE FOREGOING TO BE
A TRUE AND CORRECT COPY OF AN
EXCERPT OF THE MINUTES OF THE ABOVE
DATED MEETING OF THE BOARD OF
DIRECTORS OF SAID CORPORATION, AND
THE SAME HAS NOT BEEN REVOKED OR
RESCINDED.

Ashley Riviere
SECRETARY-TREASURER

5/23/17
DATE

Non-Public Works Bid

AFFIDAVIT

COPY

STATE OF LA

PARISH/COUNTY OF Jefferson

BEFORE ME, the undersigned authority, personally came and appeared: JEFF
DEVILIER, (Affiant) who after being by me duly sworn, deposed and said that
he/she is the fully authorized AGENT of Cisco (Entity),
the party who submitted a bid in response to Bid Number 50-119704, to the Parish of
Jefferson.

Affiant further said:

Campaign Contribution Disclosures

(Choose A or B, if option A is indicated please include the required
attachment):

Choice A _____

Attached hereto is a list of all campaign contributions, including the date and amount of each contribution, made to current or former elected officials of the Parish of Jefferson by Entity, Affiant, and/or officers, directors and owners, including employees, owning 25% or more of the Entity during the two-year period immediately preceding the date of this affidavit or the current term of the elected official, whichever is greater. Further, Entity, Affiant, and/or Entity Owners have not made any contributions to or in support of current or former members of the Jefferson Parish Council or the Jefferson Parish President through or in the name of another person or legal entity, either directly or indirectly.

Choice B X

there are NO campaign contributions made which would require disclosure under Choice A of this section.

Debt Disclosures

(Choose A or B, if option A is indicated please include the required attachment):

Choice A _____

Attached hereto is a list of all debts owed by the affiant to any elected or appointed official of the Parish of Jefferson, and any and all debts owed by any elected or appointed official of the Parish to the Affiant.

Choice B X

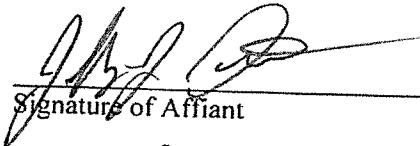
There are NO debts which would require disclosure under Choice A of this section.

Affiant further said:

~~That Affiant has employed no person, corporation, firm, association, or other organization, either directly or indirectly, to secure the public contract under which he received payment, other than persons regularly employed by the Affiant whose services in connection with the construction, alteration or demolition of the public building or project or in securing the public contract were in the regular course of their duties for Affiant; and~~


[The remainder of this page is intentionally left blank.]

That no part of the contract price received by Affiant was paid or will be paid to any person, corporation, firm, association, or other organization for soliciting the contract, other than the payment of their normal compensation to persons regularly employed by the Affiant whose services in connection with the construction, alteration or demolition of the public building or project were in the regular course of their duties for Affiant.


Signature of Affiant

Jeff DeWitt
Printed Name of Affiant

SWORN AND SUBSCRIBED TO BEFORE ME
ON THE 24th DAY OF May, 2017.


Notary Public

LISA ORLANDO
Printed Name of Notary

146644
Notary/Bar Roll Number



OFFICIAL SEAL
LISA ORLANDO
NOTARY PUBLIC
ORLEANS PARISH NOTARY NO. 146644
COMMISSION ISSUED FOR LIFE

My commission expires upon death

[Print](#)

Notary Search - Detail

Name: MS. LISA ORLANDO
Address: 810 BIENVILLE ST. APT. 325
NEW ORLEANS, LA 70112
Phone: (504) 606-2334
Notary ID Number: 146644
Parish: ORLEANS with STATEWIDE JURISDICTION
Agency: N/A
Notary Type: Attorney
Bar Roll #: 36612
Status: Active
Commission Date: 06/10/2016
Oath Date: 06/09/2016
Surety Expiration Date: Not Required
Annual Report Current: Not Applicable

[Back to Search Results](#)[New Search](#)

Request for Taxpayer Identification Number and Certification

Give Form to the
requester. Do not
send to the IRS.

Print or type See Specific Instructions on page 2.	1 Name (as shown on your income tax return). Name is required on this line; do not leave this line blank. CIMSCO, INC.	
	2 Business name/disregarded entity name, if different from above	
	3 Check appropriate box for federal tax classification; check only one of the following seven boxes: <input type="checkbox"/> Individual/sole proprietor or single-member LLC <input checked="" type="checkbox"/> C Corporation <input type="checkbox"/> S Corporation <input type="checkbox"/> Partnership <input type="checkbox"/> Trust/estate <input type="checkbox"/> Limited liability company. Enter the tax classification (C=C corporation, S=S corporation, P=partnership) ▶ Note. For a single-member LLC that is disregarded, do not check LLC; check the appropriate box in the line above for the tax classification of the single-member owner. <input type="checkbox"/> Other (see instructions) ▶	
	4 Exemptions (codes apply only to certain entities, not individuals; see instructions on page 3): Exempt payee code (if any) Exemption from FATCA reporting code (if any) (Applies to accounts maintained outside the U.S.)	
	5 Address (number, street, and apt. or suite no.) 1840 L&A ROAD	
	6 City, state, and ZIP code METAIRIE, LOUISIANA 70001	
	7 List account number(s) here (optional)	

Part I Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. The TIN provided must match the name given on line 1 to avoid backup withholding. For individuals, this is generally your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the Part I instructions on page 3. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN* on page 3.

Note. If the account is in more than one name, see the instructions for line 1 and the chart on page 4 for guidelines on whose number to enter.

Social security number								
			-				-	
or								
Employer identification number								
7	2		-	0	5	0	9	5
								6

Part II Certification

Under penalties of perjury, I certify that:

- The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me); and
- I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding; and
- I am a U.S. citizen or other U.S. person (defined below); and
- The FATCA code(s) entered on this form (if any) indicating that I am exempt from FATCA reporting is correct.

Certification instructions. You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions on page 3.

Sign Here	Signature of	CHRISTEN C
	U.S. person ▶	RIVIERE

Date ▶ 3/20/17

General Instructions

Section references are to the Internal Revenue Code unless otherwise noted.

Future developments. Information about developments affecting Form W-9 (such as legislation enacted after we release it) is at www.irs.gov/fw9.

Purpose of Form

An individual or entity (Form W-9 requester) who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) which may be your social security number (SSN), individual taxpayer identification number (ITIN), adoption taxpayer identification number (ATIN), or employer identification number (EIN), to report on an information return the amount paid to you, or other amount reportable on an information return. Examples of information returns include, but are not limited to, the following:

- Form 1099-INT (interest earned or paid)
- Form 1099-DIV (dividends, including those from stocks or mutual funds)
- Form 1099-MISC (various types of income, prizes, awards, or gross proceeds)
- Form 1099-B (stock or mutual fund sales and certain other transactions by brokers)
- Form 1099-S (proceeds from real estate transactions)
- Form 1099-K (merchant card and third party network transactions)

- Form 1098 (home mortgage interest), 1098-E (student loan interest), 1098-T (tuition)
- Form 1099-C (canceled debt)
- Form 1099-A (acquisition or abandonment of secured property)

Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN.

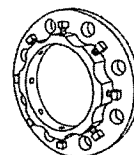
If you do not return Form W-9 to the requester with a TIN, you might be subject to backup withholding. See *What is backup withholding?* on page 2.

By signing the filled-out form, you:

- Certify that the TIN you are giving is correct (or you are waiting for a number to be issued).
- Certify that you are not subject to backup withholding, or
- Claim exemption from backup withholding if you are a U.S. exempt payee. If applicable, you are also certifying that as a U.S. person, your allocable share of any partnership income from a U.S. trade or business is not subject to the withholding tax on foreign partners' share of effectively connected income, and
- Certify that FATCA code(s) entered on this form (if any) indicating that you are exempt from the FATCA reporting, is correct. See *What is FATCA reporting?* on page 2 for further information.

SUBMITTAL INFORMATION

Adapter Flange (UFA400-C-x series)

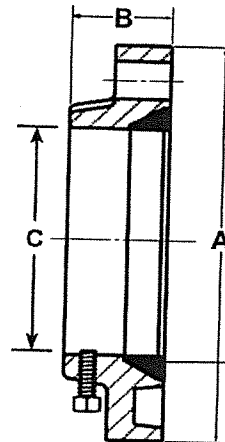
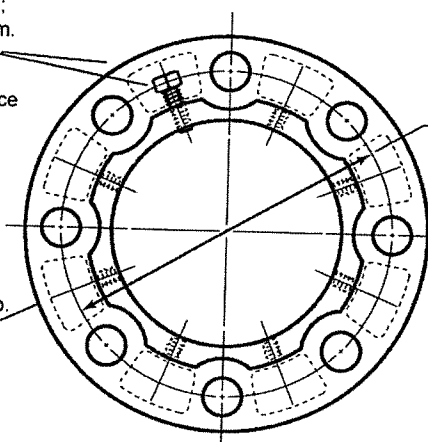


UNI-FLANGE SERIES 400 ADAPTER FLANGE FOR DUCTILE IRON PIPE

Set Screw - AISI 4140 Steel;
Tensile 190,000 psi minimum.
Heat treated to
Rockwell C 35-44, and zinc
plated for corrosion resistance

Flange - Ductile Iron --ASTM
A536. Grade 65-45-12.
Drilling to ANSI B16.1 (125 lb.
cast iron) or ANSI B16.5
(150 lb. steel)

Color Code: Red for ductile
iron applications



Gasket - SBR (optional Buna-N
or EPDM)

NOM. PIPE SIZE	DUCTILE IRON PIPE		APPROX. WT. LBS.	PRESSURE RATING PSI	SET SCREWS		FLANGE			BOLT CIRCLE DIA.	✓ SUBMITTED ITEM(S)
	OD	CATALOG NO.			NUMBER	SIZE	OD A	THICKNESS B	APPROX. ID C		
2"	2.50	UFA400-C-2	5	250	4	1/2"x1"	6"	2"	2-5/8"	4-3/4"	
3"	3.96	UFA400-C-3	8	250	4	1/2"x1"	7-1/2"	2-1/16"	4-1/16"	6"	
4"	4.80	UFA400-C-4	11	250	8	1/2"x1"	9"	2-1/16"	4-7/8"	7-1/2"	
6"	6.90	UFA400-C-6	14	250	8	5/8"x1-1/4"	11"	2-1/8"	7"	9-1/2"	
8"	9.05	UFA400-C-8	21	250	8	5/8"x1-1/4"	13-1/2"	2-1/8"	9-1/8"	11-3/4"	
10"	11.10	UFA400-C-10	38	250	12	5/8"x1-1/4"	16"	2-3/16"	11-3/16"	14-1/4"	
12"	13.20	UFA400-C-12	56	250	12	5/8"x1-1/4"	19"	2-1/4"	13-5/16"	17"	
14"	15.30	UFA400-C-14	70	150	12	5/8"x1-1/4"	21"	2-5/8"	15-7/16"	18-3/4"	
16"	17.40	UFA400-C-16	79	150	16	5/8"x1-1/4"	23-1/2"	2-11/16"	17-9/16"	21-1/4"	
18"	19.50	UFA400-C-18	90	150	16	3/4"x2"	25"	2-13/16"	19-5/8"	22-3/4"	
20"	21.60	UFA400-C-20	145	150	20	3/4"x2"	27-1/2"	2-15/16"	21-3/4"	25"	
24"	25.80	UFA400-C-24	175	150	20	3/4"x2"	32"	3-1/8"	25-15/16"	29-1/2"	
30"	32.00	UFA400-C-30	270	100	28	1"x2-1/4"	38-3/4"	4"	32-3/16"	36"	
36"	38.30	UFA400-C-36	400	100	32	1"x2-1/4"	46"	4-1/2"	38-1/2"	42-3/4"	
42"	44.50	UFA400-C-42	495	100	36	1"x2-1/4"	53"	4-3/4"	44-3/4"	49-1/2"	
48"	5.80	UFA400-C-48	660	100	44	1"x2-1/4"	59-1/2"	4-7/8"	51-3/16"	56"	

FEATURES

- Restraint is provided by a set screw locking device similar to that used in mechanical joint retainer glands.
 - The gasket is the standard AWWA mechanical joint gasket.
 - Designed for ease of on-site installation. Eliminates bolt hole alignment problems. Allows for pipe deflection.
 - Series 400 adapter flanges are not recommended for use on PVC pipe. Use the Uni-Flange Series 900 flanges instead.
 - Optional uni-torque set screws are available for use with 2"-16" Series 400 adapter flanges for ductile iron pipe, class 52-56.
- To order, add -UT to the catalog number. Example: UFA400-C-6-UT.

The Ford Meter Box Company considers the information in this submittal form to be correct at the time of publication. Item and option availability, including specifications, are subject to change without notice. Please verify that your product information is current.



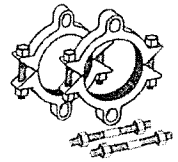
The Ford Meter Box Company, Inc.
P.O. Box 443, Wabash, Indiana U.S.A. 46992-0443
Phone: 260-563-3171 / Fax: 800-826-3487
Overseas Fax: 260-563-0167
www.fordmeterbox.com

05/27/14

Submitted By:

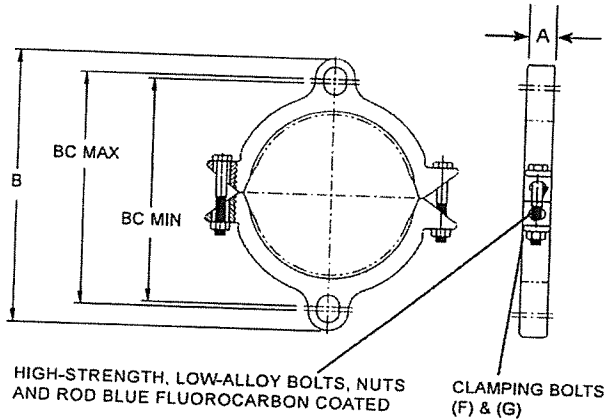
SUBMITTAL INFORMATION

Uni-Flange Restraint (UFR1390-C-x-RB-I style)

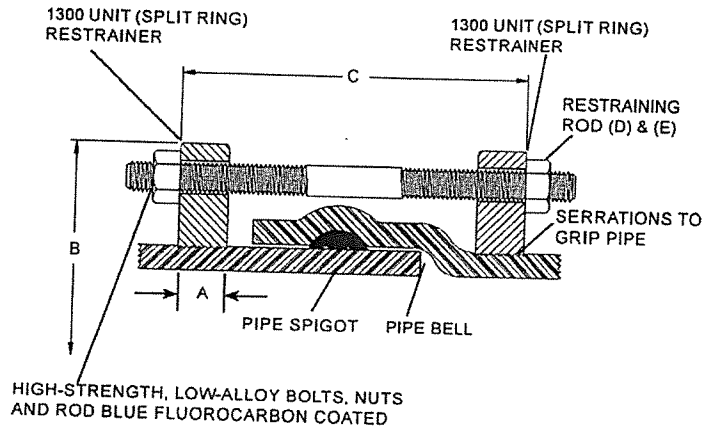


SERIES 1390-C RESTRAINT DEVICE FOR C900 PVC AND DUCTILE IRON PIPE PIPE BELL JOINTS WITH BLUE FLUOROCARBON-COATED ACCESSORIES

1300 SPLIT RESTRAINER



1390 ASSEMBLY



NOM PIPE SIZE	PVC PIPE WITH DI PIPE OD STYLE 1390-C		A	B APPROX	C MAX	RESTRAINING RODS		CLAMPING BOLTS		BC MAX	BC MIN	✓ SUBMITTED ITEMS
	OD	CATALOG No.				No. D	SIZE E	No. F	SIZE G			
4"	4.80	UFR1390-C-4-RB-I	1-1/8"	9-1/8"	15"	2	3/4" x 17"	4	5/8" x 3-1/2"	7.50"	7.14"	
6"	6.90	UFR1390-C-6-RB-I	1-1/8"	11-1/8"	15"	2	3/4" x 17"	4	5/8" x 3-1/2"	9.50"	9.14"	
8"	9.05	UFR1390-C-8-RB-I	1-1/4"	14-5/8"	15"	2	3/4" x 17"	4	3/4" x 4"	12.98"	11.36"	
10"	11.10	UFR1390-C-10-RB-I	1-3/8"	16-5/8"	22"	4	3/4" x 24"	4	7/8" x 5"	15.00"	13.50"	
12"	13.20	UFR1390-C-12-RB-I	1-3/8"	19-1/4"	22"	4	3/4" x 24"	4	7/8" x 5"	17.62"	15.62"	

FEATURES

- 4" - 12" sizes: Cast ductile iron per ASTM A536 grade 65-45-12
- 360° contact and support of the pipe wall
- Restraining rods are high strength, low alloy steel per ANSI / AWWA C111 / A21.11, with blue fluorocarbon-coating
- Clamping bolts and nuts are Grade 5 with blue fluorocarbon coating
- Black e-coat epoxy-coated
- Rated at full-rated pressure of any class of PVC pipe, minimum 2:1 safety factor.
- Ductile iron pipe shall have the following pressure ratings: 4" through 8" = 250 psi
10" and 12" = 200 psi

The Ford Meter Box Company considers the information in this submittal form to be correct at the time of publication. Item and option availability, including specifications, are subject to change without notice. Please verify that your product information is current.



The Ford Meter Box Company, Inc.
P.O. Box 443, Wabash, Indiana U.S.A. 46992-0443
Phone: 260-563-3171 / Fax: 800-826-3487
Overseas Fax: 260-563-0167
www.fordmeterbox.com

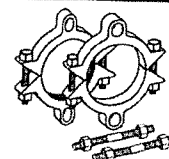


08/01/16

Submitted By:

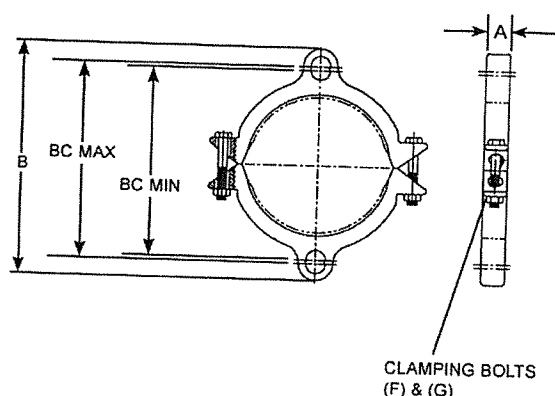
SUBMITTAL INFORMATION

Uni-Flange Restraint (UFR1355-C-x-RB-U style)

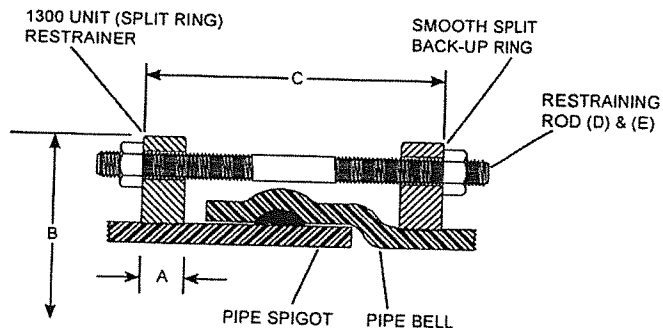


4"-12" SERIES 1355-C RESTRAINT DEVICE FOR C900 PVC PIPE BELL JOINTS
WITH BLUE FLUOROCARBON-COATED ACCESSORIES

1300 SPLIT RESTRAINER



1355 ASSEMBLY



NOM PIPE SIZE	PVC PIPE WITH DI PIPE OD STYLE 1355-C		A	B APPROX	C MAX	RESTRAINING RODS		CLAMPING BOLTS		BC MAX	BC MIN	✓ SUBMITTED ITEMS
	OD	CATALOG No.				No. D	SIZE E	No. F	SIZE G			
4"	4.80	UFR1355-C-4-RB-U	1-1/8"	9-1/8"	12"	2	3/4" x 17"	4	5/8" x 3-1/2"	7.50"	7.14"	
6"	6.90	UFR1355-C-6-RB-U	1-1/8"	11-1/8"	13"	2	3/4" x 17"	4	5/8" x 3-1/2"	9.50"	9.14"	
8"	9.05	UFR1355-C-8-RB-U	1-1/4"	14-5/8"	15"	2	3/4" x 17"	4	3/4" x 4"	12.98"	11.36"	
10"	11.10	UFR1355-C-10-RB-U	1-3/8"	16-5/8"	16"	4	3/4" x 24"	4	7/8" x 5"	15.00"	13.50"	
12"	13.20	UFR1355-C-12-RB-U	1-3/8"	19-1/4"	18"	4	3/4" x 24"	4	7/8" x 5"	17.62"	15.62"	

FEATURES

- 4" - 12" sizes: Cast ductile iron per ASTM A536, Grade 65-45-12
- 360° contact and support of the pipe wall
- Restraining rods are high strength, low alloy steel per ANSI / AWWA C111 / A21.11 with blue fluorocarbon coating
- Rated at full-rated pressure of any class of PVC pipe, minimum 2:1 safety factor
- Rated for 150 psi on ductile iron pipe up to 10". Rated for 125 psi on 12" size
- Castings are manufactured in the United States of America

The Ford Meter Box Company considers the information in this submittal form to be correct at the time of publication. Item and option availability, including specifications, are subject to change without notice. Please verify that your product information is current.



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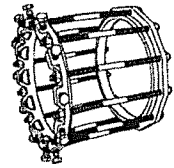


04/26/16

Submitted By:

SUBMITTAL INFORMATION

Uni-Flange Retainer (UFR1450-D-x-RB-I style)

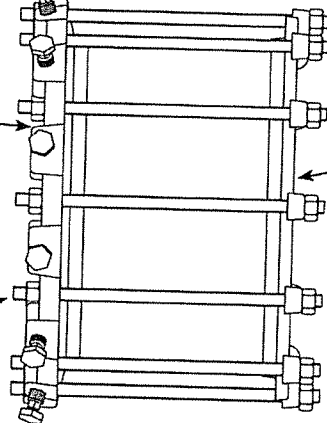


WEDGE ACTION SERIES 1450-D RESTRAINT ASSEMBLY (WITH BLUE FLUOROCARBON-COATED ACCESSORIES) FOR DUCTILE IRON SLIP JOINT BELL PIPE

Auto-Tork® Set Screw
Ductile Iron per ASTM
A536-84 Grade 65-45-12
ANSI/AWWA C111/
A21.11

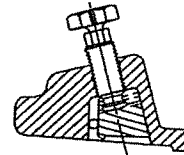
Series 1400
Ductile Iron per ASTM
A536-84 Grade 65-45-12
ANSI/AWWA C111/
A21.11

Tie Rod and Nuts
High strength, low
alloy steel per ANSI/
AWWA C111/A21.11
or high strength steel
per ASTM A193, grade
B7 (blue fluorocarbon-
coated)

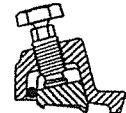


Mechanical Joint Gland
Ductile Iron per ASTM
A536-84 Grade 65-45-12
ANSI/AWWA C111/
A21.11 or Carbon Steel
per ASTM A36
(Assembled on bell end)

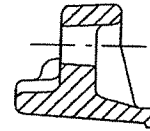
1400 PROFILE



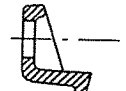
30" - 48"



3" - 24"



30" - 48"



3" - 24"

NOM. PIPE SIZE	PIPE O.D.	RODS No.	LENGTH	RATES DIA.	MAX. PRESSURE (PSI)	**BELL DIA.	APPROX. WT. LBS.	CATALOG NUMBER	✓ SUBMITTED ITEM(S)
3"	3.96	4	14"	5/8"	350	5.50"	12	UFR1450-D-3-RB-I	
4"	4.80	4	17"	3/4"	350	6.62"	20	UFR1450-D-4-RB-I	
6"	6.90	6	17"	3/4"	350	8.62"	29	UFR1450-D-6-RB-I	
8"	9.05	6	17"	3/4"	350	10.88"	35	UFR1450-D-8-RB-I	
10"	11.10	8	24"	3/4"	350	13.12"	56	UFR1450-D-10-RB-I	
12"	13.20	8	24"	3/4"	350	15.38"	62	UFR1450-D-12-RB-I	
14"	15.36	10	24"	3/4"	350	17.88"	90	UFR1450-D-14-RB-I	
16"	17.40	12	24"	3/4"	350	20.12"	113	UFR1450-D-16-RB-I	
18"	19.50	12	24"	3/4"	250	22.38"	132	UFR1450-D-18-RB-I	
20"	21.60	14	24"	3/4"	250	24.62"	160	UFR1450-D-20-RB-I	
24"	25.80	16	24"	3/4"	250	29.12"	181	UFR1450-D-24-RB-I	
30"	32.00	10	24"	1"	250	35.80"	341	* UFR1450-D-30-RB-I	
36"	38.30	12	24"	1"	250	42.60"	430	* UFR1450-D-36-RB-I	
42"	44.50	28	52"	1-1/4"	250	49.25"	1350	UFR1450-D-42-RB-I	
48"	50.80	32	52"	1-1/4"	250	56.125"	1570	UFR1450-D-48-RB-I	

* Backup ring is steel for 30" and 36"

** Connecting rods WILL NOT CLEAR a pipe bell with a maximum diameter larger than the listed measurement.

FEATURES

- Mechanical joint gland: Ductile iron per ASTM A536 grade 65-45-12 or carbon steel per ASTM A36
- Wedge activating screw: Ductile iron per ASTM A536 grade 65-45-12
- Gland: Ductile iron per ASTM A536 grade 65-45-12
- Wedge: Ductile iron per ASTM A536 heat treated to hardness of 370 BHN minimum
- Restraining rods & nuts: High strength, low alloy steel per ANSI/AWWA C111/A21.11 or high strength steel per ASTM A193, grade B7, blue fluorocarbon coated
- Coating: Black e-coat epoxy
- New installations only

The Ford Meter Box Company considers the information in this submittal form to be correct at the time of publication. Item and option availability, including specifications, are subject to change without notice. Please verify that your product information is current.



The Ford Meter Box Company, Inc.
P.O. Box 443, Wabash, Indiana U.S.A. 46992-0443
Phone: 260-563-3171 / Fax: 800-826-3487
Overseas Fax: 260-563-0167
www.fordmeterbox.com

09/02/16

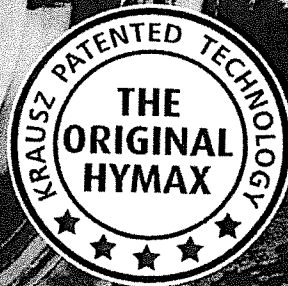
Submitted By:

HYMAX[®]

COUPLING 1.5"-12"

FOR EXTREME PERFORMANCE

- The original HYMAX™ - invented and manufactured by Krausz
- Market leading, two-bolt, wide-range coupling
- Field proven in North America since 1999
- Over 1 million successful installations in the USA alone



COUPLINGS

CLAMPS

RESTRAINTS



KRAUSZ

Repair the past. Connect the future.

HYMAX[®] COUPLING

THE MOST
EFFECTIVE
COUPLING
SOLUTION
AVAILABLE

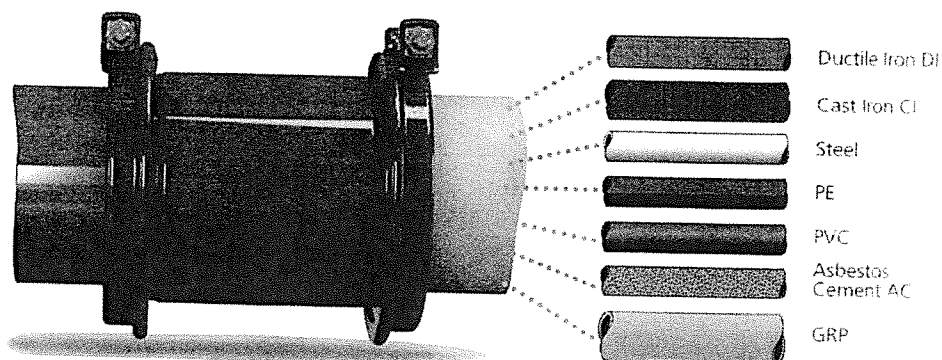
Nominal sizes:

1.5" - 12"

14" - 24" (see Large
Diameter brochure)

Working pressure:

260 psi



HYMAX effectively repairs and connects a wide range of piping types and circumferences. Its flexible and patented design allows you to join pipes made of the same or different materials, and with varying diameters. By addressing so many variable pipe configurations, HYMAX enables you to reduce your inventory as you respond to and contain repair situations much faster.

HYMAX PRODUCT HIGHLIGHTS

Fast, Easy Installation

Via ready-to-use stab-in design available in all ranges and only two top-facing bolts.

Advanced Anti-Galling

HYMAX nuts and bolts go through a unique dry treatment process, Molecular Anti-Galling (MAG), based on embedded zinc. MAG eliminates the need to grease bolts and the effects of dirt and sand, preventing galling and enabling repeated bolt tightening.

Robust Corrosion Prevention

Through fusion-bonded epoxy and stainless steel nuts and bolts.

Joins Same or Different Pipe Diameters

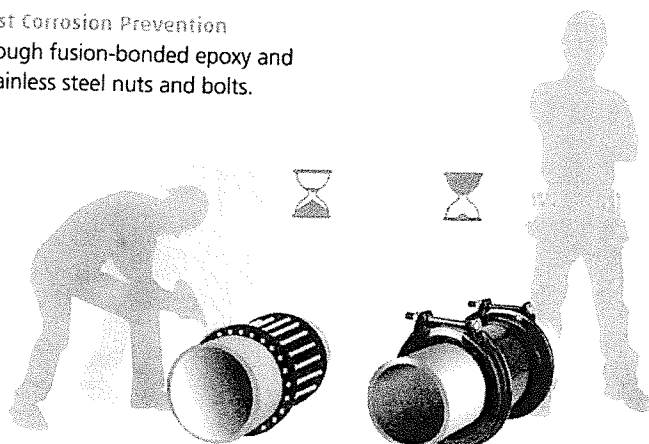
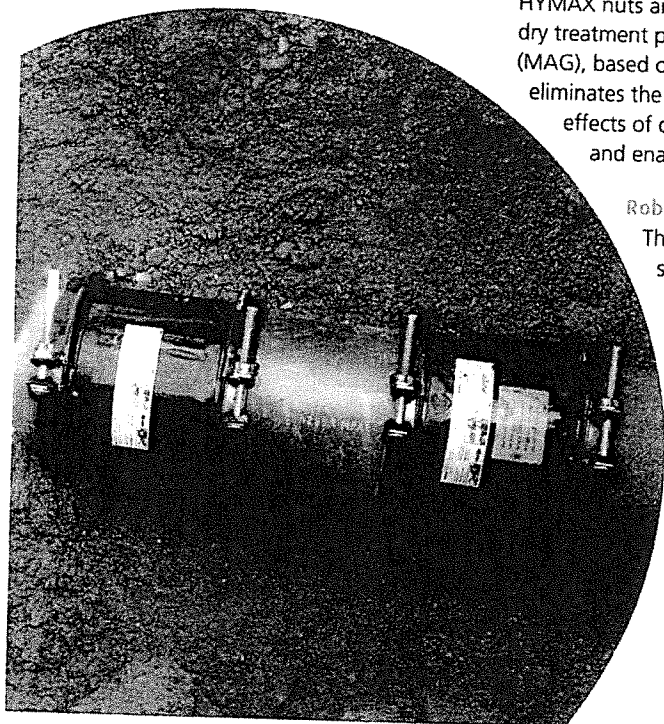
HYMAX has the ability to join pipes with different diameters of up to 1.30 inches.

Meets and Exceeds Standards

AWWA C-219, NSF - 372 and NSF 61.

Flexible Connection

Prevents damage and cracking from ground shifts during and after installation.



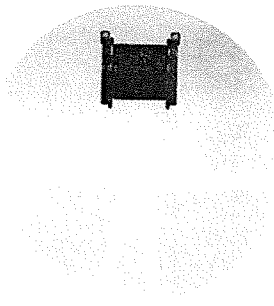
HYMAX COUPLING - EXTREME PERFORMANCE IN ALL ENVIRONMENTS

**PROVEN,
HIGHLY
RELIABLE
SOLUTION**

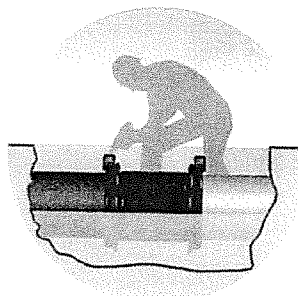


- Unique, advanced design with an install base dating from 1999
- Field proven with over 1 million units installed in the US market alone

**USER
FRIENDLY**

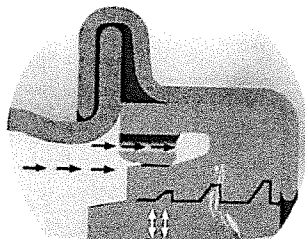


HYMAX's superior, lightweight construction enables fast and easy installation by one person

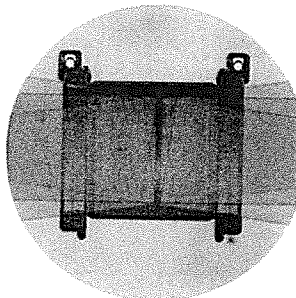


Unique top facing, 2-bolt and stab-in design eliminates the need for extensive under-pipe digging and work

**REDUCES
FUTURE
BREAKS**



Unique dual sealing:
In addition to mechanical sealing, HYMAX achieves hydraulic sealing via its patented gasket that self-inflates using flowing water pressure



HYMAX's unique hydraulic sealing enables continuous dynamic angular deflection, which substantially reduces future breaks

**SEAMLESS
DESIGN,
FLEXIBLE
STRENGTH**

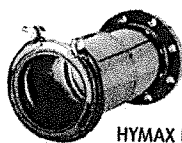


Unitary steel end ring design provides:

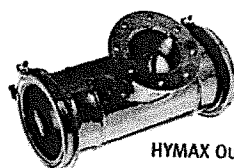
- Fortified strength
- Enhanced flexibility allowing improved fitting to pipe shape

**DIVERSE
PRODUCT LINE**

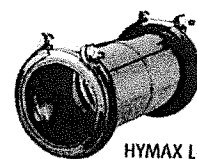
Addressing all pipe coupling requirements



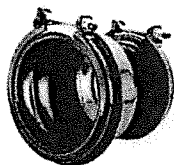
HYMAX Flanged Long Body



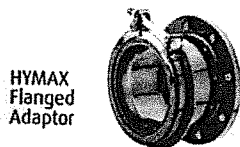
HYMAX Outlet



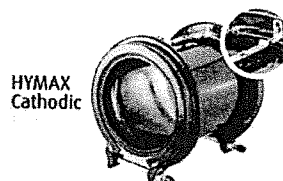
HYMAX Long Body



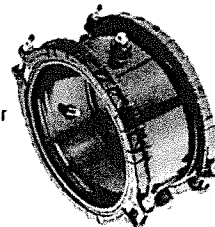
HYMAX Reducer



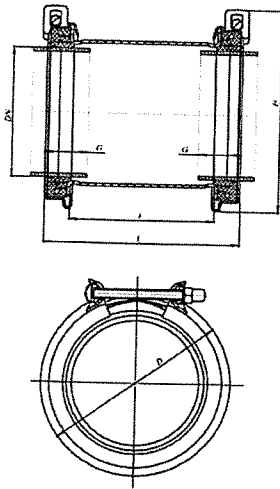
HYMAX Flanged Adaptor



HYMAX Cathodic

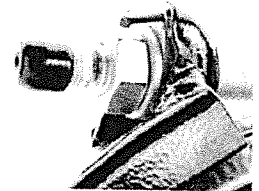
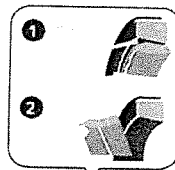


Large Diameter HYMAX



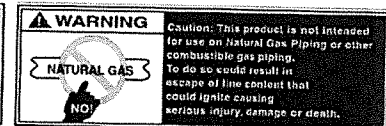
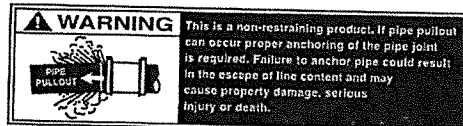
PRODUCT SPECIFICATIONS

1. HYMAX meets or exceeds all specifications of AWWA Standard C219, NSF-61 and NSF-372.
2. Center Ring - ASTM A 53 Grade A steel.
3. End Rings - ASTM A 795 steel.
4. Gaskets - EPDM compounded for water and sewage, meets NSF 61 and NSF-372 standards for contact with drinking water. Working temperature for continuous operations: -20°F up to +180°F, for shorter operating time: up to +215°F.
5. Nuts and Bolts - ANSI 304 stainless steel. Rolled thread and Molecular Anti Galling (MAG) treatment.
6. Bridge - ANSI 304 stainless steel.
7. Coating - 100% fusion bonded epoxy for enhanced corrosion protection. Nominal thickness 14 Mil., meets NSF-61 and NSF-372 Standard.
Working Temperature:
Above ground applications up to +125°F. Under ground applications up to +150°F.
8. G = Min. pipe insertion of 2.25 inches.
9. Deflection up to 4" per side.
10. Working pressure: 260 psi



Part Number	Reference Number	Nominal Pipe Size (inch)	Overall Range (inch)	Low Range: Before removal of the inner layer (inch)	High Range: After removal of the inner layer (inch)	D (inch)	H (inch)	i (inch)	L (inch)	Torque (Ft-Lbs)	Approx. Weight (Lbs)
20000213260	860-56-0041-16	1.5"	1.61-2.13	1.61-1.97	1.96-2.13	Ø3.9	5.0	3.9	6.1	35	5
20000303260	860-56-0054-16	2"	2.10-3.03	2.10-2.60	2.56-3.03	Ø5.2	5.7	3.9	6.7	50	7
20000433260	860-56-0088-16	3"	3.46-4.33	3.46-3.90	3.86-4.33	Ø6.7	7.1	5.9	8.7	50	10
20000563260	860-56-0108-16C	4"	4.25-5.63	4.25-5.00	4.92-5.63	Ø8.7	9.3	5.9	8.8	65	15
20000637260	860-56-0130-16	5"	5.12-6.38	5.12-5.75	5.71-6.38	Ø9.5	10.0	8.0	10.8	65	19
20000768260	860-56-0163-16	6"	6.42-7.68	6.42-7.05	7.01-7.68	Ø10.8	11.3	8.0	10.8	65	23
20000874260	860-56-0190-16	7"	7.48-8.74	7.48-8.11	8.07-8.74	Ø11.7	12.2	8.0	10.8	65	24
20000984260	860-56-0217-16	8"	8.54-9.84	8.54-9.17	9.13-9.84	Ø12.9	13.1	8.0	10.8	65	28
20001200260	860-56-0272-16	10"	10.70-12.00	10.70-11.37	11.33-12.00	Ø15.0	15.6	8.0	10.8	65	32
20001226260	860-56-0278-16	10" o.s.	10.96-12.26	10.96-11.63	11.59-12.26	Ø15.3	15.8	8.0	10.8	65	33
20001366260	860-56-0315-16	12"	12.40-13.66	12.40-13.03	12.99-13.66	Ø16.6	17.5	8.0	10.8	65	39
20001441260	860-56-0334-16	12" o.s.	13.15-14.41	13.15-13.78	13.74-14.41	Ø17.3	18.1	8.0	10.8	65	39

For more information about HYMAX and other Krausz products visit us at: www.krauszusa.com
For ordering information or to speak with a Krausz representative please contact us at: 855-457-2879 or 855-4KRAUSZ.



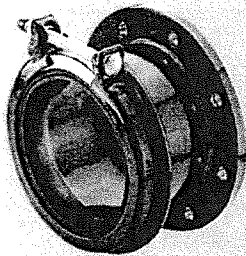
Krausz USA

331 SW 57th Avenue
Ocala, Florida 34474
info@krauszusa.com

www.krauszusa.com

KRAUSZ
Repair the past. Connect the future.

*The Hymax Trademark and Patent is property of Krausz Industries Ltd. Note: To extend product life in corrosive environments, poly-wrapping and/or cathodic protection of the coupling is recommended.
Note: All Stainless Steel Bolts are coated with a Dry Anti-Seize Lubricant that prevents galling. Use of any additional wet-type lubricant on the bolts will void the warranty of the product.



HYMAX[®]

**FLANGE ADAPTOR AND HYMAX
LONG BODY FLANGE ADAPTOR
(1.5"-60")**



PRODUCT SPECIFICATIONS

FEATURES

- USING THE GAME-CHANGING HYMAX TECHNOLOGY, PROVEN IN OVER 1M INSTALLATIONS IN THE US
- SUITABLE FOR ALL TYPES OF PIPES - DUCTILE IRON, CAST IRON, STEEL, COPPER, PE, PVC, AC, GRP
- PATENTED HYDRAULICALLY-ASSISTED GASKET WITH 2-STAGE SEALING
- LIGHTWEIGHT CONSTRUCTION ENABLES FAST AND EASY INSTALLATION
- ALLOWS 4° DYNAMIC DEFLECTION, REDUCING FUTURE PIPE DAMAGE

SPECIFICATIONS

STANDARDS

HYMAX[®] FLANGE ADAPTOR AND LONG BODY FLANGE ADAPTOR MEET OR EXCEED REQUIREMENTS OF STANDARDS: AWWA C219, NSF-61 AND NSF-372.

SIZE/LENGTH

AVAILABLE IN NOMINAL DIAMETER FROM 1.5" - 24" STANDARD.
26"-60" MTO (MADE TO ORDER). CONTACT KRAUSZ FOR DETAILS.

MATERIALS

FLANGED BODY

1.5"-12" ASTM A53 GRADE A STEEL.
14"-60" ASTM A283 / A283M GRADE C STEEL.

FLANGE

1.5"-2" OVAL FLANGE FOR FLOW METER.
3" MEETS ANSI B16.5.
4"-24" MEETS AWWA CLASS D.
26"-60" CONTACT KRAUSZ FOR DETAILS.

END RINGS

1.5" - 12" ASTM A283 / A283M GRADE C STEEL.
14" - 16" ASTM A283 / A283M GRADE C STEEL.
(OR DUCTILE IRON CASTING ASTM A536 GRADE 60-40-18).
18"-60" ASTM A283 / A283M GRADE C STEEL.

SPHERICAL SPACERS

AISI 304L STAINLESS STEEL.

GASKET

EPDM COMPOUNDED FOR WATER AND SEWERAGE,
MEETS INTERNATIONAL STANDARDS FOR CONTACT WITH DRINKING WATER.

BRIDGE

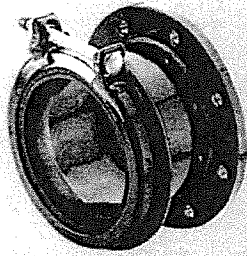
AISI 304 STAINLESS STEEL.

COATING

100% FUSION BONDED EPOXY FOR ENHANCED CORROSION PROTECTION.
NOMINAL THICKNESS 14 MIL.

NUTS AND BOLTS

AISI 304 STAINLESS STEEL. ROLLED THREAD AND ANTI-GALLING COATING.



HYMAX[®]

FLANGE ADAPTOR AND HYMAX
LONG BODY FLANGE ADAPTOR
(1.5"-60")

PRODUCT SPECIFICATIONS



PRODUCT PERFORMANCE (*)

WORKING TEMPERATURE	-20°F UP TO +125°F			
DYNAMIC DEFLECTION	UP TO 4°			
MIN. PIPE INSERTION	1.5"-12" 2.25"	14"- 60" 4"		
MAXIMUM OFFSET FOR MISALIGNED PIPE	1.5"- 3" 0.2"	4"- 60" 0.24"		
MAXIMUM OUT OF ROUNDNESS	1.5" 0.08"	2"- 3" 0.20"	4"- 12" 0.31"	14"- 60" 0.51"
WORKING PRESSURE	1.5"-24": 175 PSI (26"- 60": CONTACT KRAUSZ FOR DETAILS)			
RATED PRESSURE	1.5"-24": 262 PSI (26"- 60": CONTACT KRAUSZ FOR DETAILS)			
VACUUM TEST	12 PSI			

* SEE SUBMITTAL DRAWINGS FOR DETAILS.

PRODUCT TABLES

HYMAX FLANGE ADAPTOR NOMINAL SIZE 1.5"-2"

Krausz Part Number	Nominal Diameter (inch)	Flange	Overall Range (inch)	Before removal of the inner layer (inch)	After removal of the inner layer (inch)	Bolts Qty. and Size (mm)	Torque (Ft-Lbs)	Working Pressure (PSI)	Rated Pressure (PSI)	Approx. Weight (Lbs)
874-56-01004112	1.5"	1.5"	1.61-2.13	1.61-1.97	1.96-2.13	1 -M12	35	175	262	7
874-56-02005412	2"	2"	2.10-3.03	2.10-2.60	2.56-3.03	1-M12	50	175	262	8

HYMAX FLANGE ADAPTOR NOMINAL SIZE 3"-12"

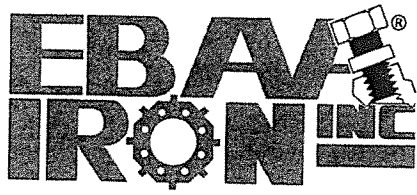
Krausz Part Number	Nominal Diameter (inch)	Flange	Overall Range (inch)	Before removal of the inner layer (inch)	After removal of the inner layer (inch)	Bolts Qty. and Size (mm)	Torque (Ft-Lbs)	Working Pressure (PSI)	Rated Pressure (PSI)	Approx. Weight (Lbs)
874-56-03008812	3"	3"	3.46-4.33	3.46-3.90	3.86-4.33	1 -M12	50	175	262	12
874-56-04010812	4"	4"	4.25-5.63	4.25-5.00	4.92-5.63	1 -M14	65	175	262	14
874-56-05013012	5"	5"	5.12-6.38	5.12-5.75	5.71-6.38	1 -M14	65	175	262	21
874-56-06013012	5"	6"	5.12-6.38	5.12-5.75	5.71-6.38	1 -M14	65	175	262	22
874-56-06016312	6"	6"	6.42-7.68	6.42-7.05	7.01-7.68	1 -M14	65	175	262	23
874-56-08019012	7"	8"	7.48-8.74	7.48-8.11	8.07-8.74	1 -M14	65	175	262	31
874-56-08021712	8"	8"	8.54-9.84	8.54-9.17	9.13-9.84	1 -M14	65	175	262	32
874-56-10027212	10"	10"	10.70-12.00	10.70-11.37	11.33-12.00	1 -M14	65	175	262	38
874-56-10027812	10"	10"	10.96-12.26	10.96-11.63	11.59-12.26	1 -M14	65	175	262	41
874-56-12031512	12"	12"	12.40-13.66	12.40-13.03	12.99-13.66	1 -M14	65	175	262	52
874-56-12033412	12"	12"	13.15-14.41	13.15-13.78	13.74-14.41	1 -M14	65	175	262	57

HYMAX FLANGE ADAPTOR NOMINAL SIZE 14"-24"

Krausz Part Number	Nominal Diameter (inch)	Flange	Overall Range (inch)	Before removal of the inner layer (inch)	After removal of the inner layer (inch)	Bolts Qty. and Size (mm)	Torque (Ft-Lbs)	Working Pressure (PSI)	Rated Pressure (PSI)	Approx. Weight (Lbs)
874-56-14037812	14"	14"	15.00-17.10	15.00-16.10	16.02-17.10	2 -M16	150	175	262	115
874-56-16043412	16"	16"	17.10-19.20	17.10-18.19	18.11-19.20	2 -M16	150	175	262	125
874-56-18048812	18"	18"	19.20-21.30	19.20-20.29	20.21-21.30	2 -M16	150	175	262	135
874-56-20054012	20"	20"	21.25-23.35	21.25-22.35	22.27-23.35	2 -M16	150	175	262	155
874-56-24060612	24"	24"	23.85-25.95	23.85-24.96	24.88-25.95	2 -M16	150	175	262	184
874-56-24062412	24"	24"	24.60-26.70	24.60-25.67	25.59-26.70	2 -M16	150	175	262	187

HYMAX FLANGE ADAPTOR NOMINAL SIZE 26"-60"

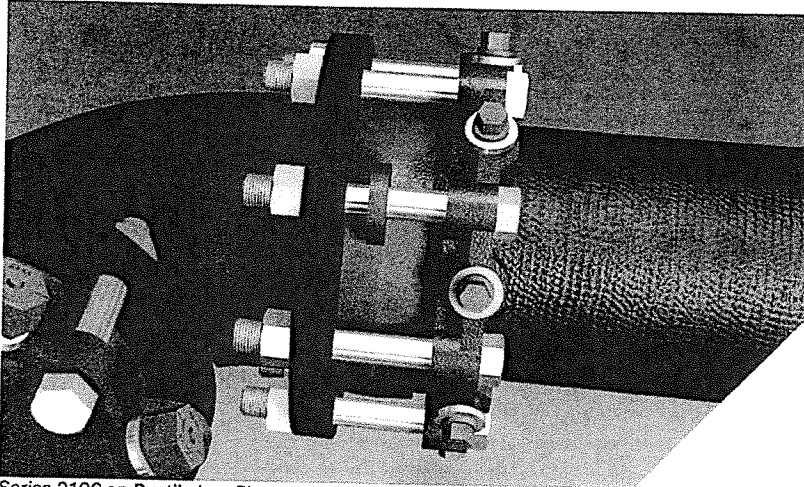
26"-60" - MTO (MADE TO ORDER) IS AVAILABLE



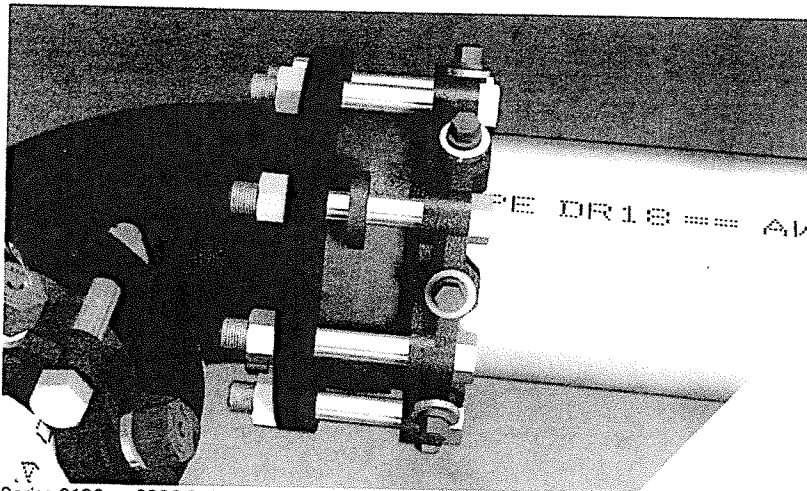
Series 2100

MEGAFLANGE®

Restrained Flange Adapter
U.S. Patent Nos. 4627774 and 5071175



Series 2106 on Ductile Iron Pipe



Series 2106 on C900 PVC Pipe

Features and Applications:

- MEGAFLANGE adapts and restrains plain end Ductile Iron, PVC, Steel and HDPE pipe to flanged pipe or fittings, where the flange conforms to ANSI/AWWA C111/A21.11 with flange surface facing in accordance with ANSI/AWWA C207 of the latest revision.
- Meets ANSI B16.5 Class 150/125 drilling pattern.
- Flange Bolts are zinc coated, fastener class coated bolts or stainless steel bolts are available
- Not for use on plain end fittings
- MEGA-BOND® Restraint Coating System
- For more information regarding MEGA-BOND, refer to our web site @ www.ebaa.com
- Minimum 2 to 1 Safety Factor
- Fully Restrained
- Constructed of ASTM A536 Ductile Iron
- UL listed on sizes 3 inch through 12 inch
- FM approved on sizes 4 inch through 12 inch on C900 Class 150 and Class 200 PVC Pipe
- Pipe can be cut to length in the field
- Joint deflection up to 5°
- Easy dismantling allows fast removal of valves, meters or fittings for replacement or repair

For use on water or wastewater pipelines subject to hydrostatic pressure and tested in accordance with either AWWA C600, C605 or ASTM D2774.

Sample Specification

Restrained flange adapters shall be used in lieu of threaded or welded flanged spool pieces. Flanged adapters shall be made of ductile iron conforming to ASTM A536 and have flange bolt circles that are compatible with ANSI/AWWA C110/A21.10 (125#/Class 150 Bolt Pattern).

Restraint for flange adapter shall consist of a plurality of individual actuated gripping wedges to maximize restraint capability. Torque limiting actuating screws shall be used to insure proper initial set of gripping wedges.

The flange adapters shall be capable of deflection during assembly or permit lengths of pipe to be field cut to allow a minimum 0.6 inch gap between the end of the pipe and the mating flange without affecting the integrity of the seal.

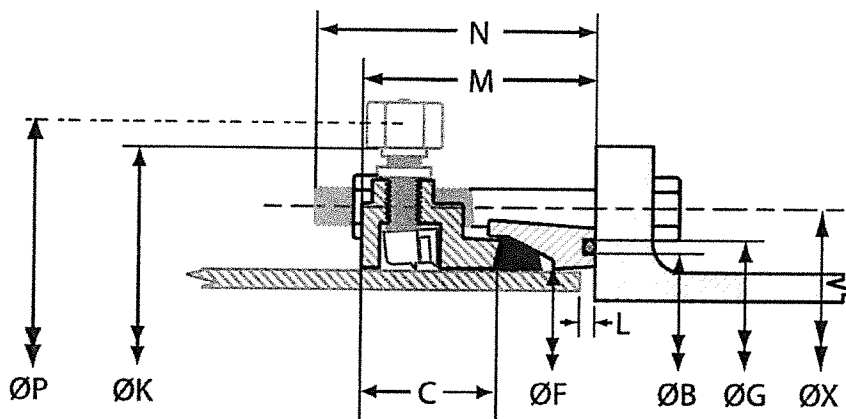
All internal surfaces of the gasket ring (wetted parts) shall be lined with a minimum of 15 mils of fusion bonded epoxy conforming to the applicable requirements of ANSI/AWWA C213. Sealing gaskets shall be constructed of EPDM. The coating shall meet ANSI/NSF-61. Exterior surfaces of the gasket ring shall be coated with a minimum of 6 mils of fusion bonded epoxy conforming to the applicable requirements of ANSI/AWWA C116/A21.16.

Restraint Ring coated with MEGA-BOND® Restraint Coating System More information regarding MEGA-BOND can be found at www.ebaa.com.

Pressure ratings shall be a minimum of those shown in the table within current brochure.

The flange adapter shall be the Series 2100 MEGAFLANGE® Restrained Flange Adapter as produced by EBAA Iron, Inc. or approved equal.

Series 2100 Submittal Reference Drawing



Nominal Pipe Size	Series Number	Restraint Ring			Gasket Ring			Bolts				L MAX.	Assembly Deflection			Ship Weight (lbs.)
		K	F	C	F	B	G	No.	Dia.	Length	X		Degrees	M	P*	
3	2103	7.5	4.1	2.2	4.1	4.3	4.9	4	5/8	5½	6.00	0.7	5.0	4.0	9.2	14
4	2104	9.0	4.9	2.2	4.9	5.4	6.0	8	5/8	5½	7.50	0.6	5.0	4.0	10.0	20
6	2106	11.0	7.0	2.3	7.0	7.5	8.1	8	¾	6	9.50	0.8	5.0	4.3	12.1	32
8	2108	13.5	9.2	2.4	9.2	9.8	10.4	8	¾	6	11.75	0.9	5.0	4.5	14.3	38
10	2110	16.0	11.2	2.5	11.2	11.8	12.4	12	7/8	7½	14.25	1.0	3.0	4.7	16.3	65
12	2112	19.0	13.3	2.5	13.3	13.8	14.4	12	7/8	7½	17.00	1.0	3.0	4.8	18.4	73
14	2114	21.0	15.5	2.5	15.5	16.1	16.9	12	1	8	18.75	1.3	2.0	5.0	20.6	89
16	2116	23.5	17.6	2.5	17.6	18.2	19.0	16	1	8	21.25	1.3	2.0	5.0	22.6	109
18	2118	25.0	19.7	2.6	19.7	20.2	21.0	16	1½	8½	22.75	1.3	1.5	5.1	24.7	134
20	2120	27.3	21.8	2.6	21.8	22.4	23.2	20	1½	8½	25.00	1.3	1.5	5.1	26.8	157
24	2124	32.0	26.0	2.6	26.0	26.7	27.5	20	1¾	8½	29.50	1.3	1.0	5.1	31.0	192
30	2130	38.5	32.2	3.3	32.2	32.9	34.1	28	1¾	11	36.00	2.0	1.0	6.0	38.8	296
36	2136	45.5	38.5	3.3	38.5	39.2	40.4	32	1½	10½	42.75	2.0	1.0	6.0	44.6	426
42	2142	52.3	44.7	4.1	44.7	45.8	47.0	36	1½	12	49.50	2.0	1.0	8.0	50.8	642
48	2148	58.8	51.0	4.1	51.0	52.1	53.3	44	1½	12	56.00	2.0	1.0	8.0	57.1	797

Minimal Distance

* The "P" dimensions is measured with torque-limiting nuts twisted off

Nominal
Pipe Size

Required To Install
N

3	4.75
4	4.56
6	5.00
8	4.88
10	6.31
12	6.25
14	6.62
16	6.56
18	6.94
20	6.81
24	6.62
30	8.88
36	8.12
42	9.38
48	9.25

MEGAFLANGE TESTING RESULTS

PVC TESTING

- Quick Burst Test
- DR18 tested to 755 PSI
- DR14 tested to 985 PSI
- Long Term Pressure Test
- On DR18 PVC pipe at 615 PSI for 1000 hours without failure
- Cyclic Pressure Test
- DR18 tested from 94 to 188 PSI for over 1,000,000 cycles

DUCTILE IRON AND STEEL TESTING

- Leakage Test (one minute required)
- Tested to twice rated pressure without leakage
- Hydrostatic Test (one minute required)
- 3 inch though 6 inch sizes tested to 5 times rated pressure
- 8 inch and 10 inch sizes tested to 4 times rated pressure
- 12 inch size tested to 3 times rated pressure
- Flexural Test
- Tested to withstand a bending moment based on requirements of NFPA 12-1991 "Standard for Installation of Sprinkler Systems"



APPROVED



Note: Dimensions are in inches and are subject to change without notice. All Dimensions are $\pm 1\%$.

Pipe Size	Ductile Iron Pipe Pressure (PSI)	Steel Pipe* Pressure (PSI)	C900/C905 PVC Pipe				IPS PVC Pipe*		
			DR14 Pressure (PSI)	DR18 Pressure (PSI)	DR25 Pressure (PSI)	DR32.5 Pressure (PSI)	SDR17 Pressure (PSI)	SDR21 Pressure (PSI)	SDR26 Pressure (PSI)
3	350	350	-	-	-	-	250	200	160
4	350	350	305	235	165	-	250	200	160
6	350	350	305	235	165	-	250	200	160
8	350	350	305	235	165	-	250	200	160
10	300	350	305	235	165	-	250	200	160
12	350	350	305	235	165	-	250	200	160
14	350	-	-	235	165	125	-	-	-
16	350	-	-	235	165	125	-	-	-
18	300	-	-	235	165	125	-	-	-
20	250	-	-	235	165	125	-	-	-
24	200	-	-	-	165	125	-	-	-
30	150	-	-	-	-	-	-	-	-
36	150	-	-	-	-	-	-	-	-
42	150	-	-	-	-	-	-	-	-
48	150	-	-	-	-	-	-	-	-

*Transition Gasket Required
NOTE: For Application on HDPE pipe see EBAA's HDPE Restraint Catalog Sheet.

MEGAFLANGE Components

The Series 2100 MEGAFLANGE restrained flange adapter is comprised of two rings. The first is the restraint ring which incorporates wedges around the circumference of the ring to grip the pipe firmly and securely. The wedge style restraint offers enormous pullout strength when compared to set screw restraints. The resiliency of the wedge style restraint allows the MEGAFLANGE to withstand severe moment loads. The restraint ring and it's sub-components are protected from corrosion by the MEGA-BOND® Restraint Coating System. For more information regarding MEGA-BOND see our MEGA-BOND Brochure found at www.ebaa.com.

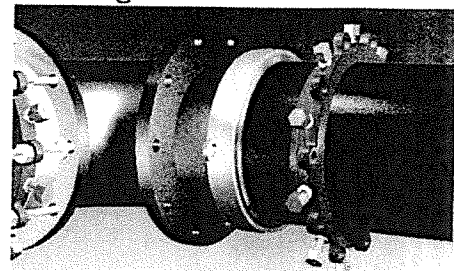
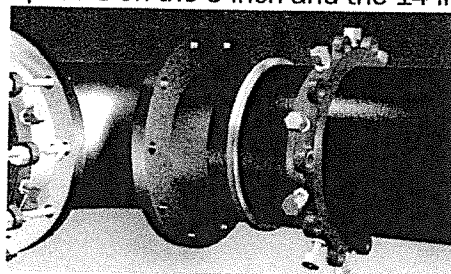
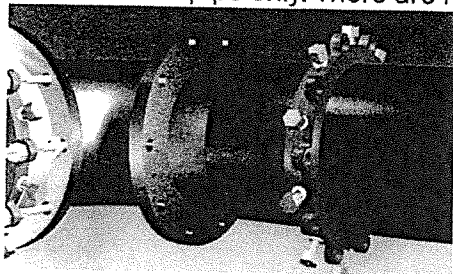
The second ring is the gasket ring which separates the seals dedicated to each sealing surface. This ring allows pipe to be cut to lengths in the field at a tolerance of 0.6 inch or more. In addition, the gasket ring also enables the joint to deflect during assembly. The gasket ring is coated with a NSF 61 approved Fusion Bonded Epoxy (FBE) so that it may be utilized on potable drinking water systems.

DEFLECTION

Traditional flanged joint connections require a tremendous amount of torque on the bolts to achieve a good seal. The pipe layout must be precisely planned to avoid misalignment errors due to deviations in appurtenances of pipe fabrication.

The Series 2100 MEGAFLANGE is a speedy, on-site fabrication tool which is generous in its deflection limits, from 0.5° to 5° depending on pipe size. The deflection capabilities provided by the gasket ring allow offset of almost nineteen inches of an eighteen foot length of pipe through the eight inch size.

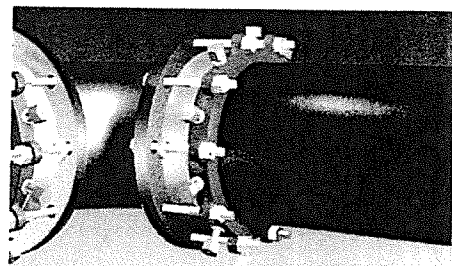
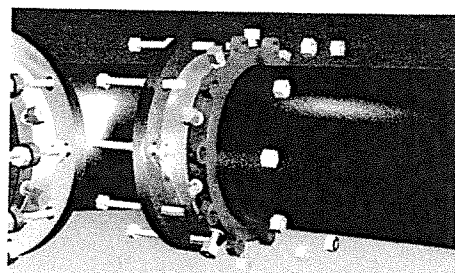
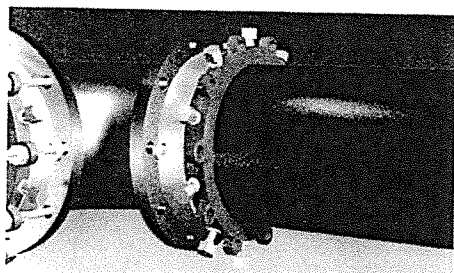
1. Identify the pipe. The MEGAFLANGE 2100 Flange Adapter, sizes 4 inch through 12 inch, is designed for use on ductile iron pipe, PVC (C900 & IPS O.D. (ASTM D2241)) pipe, and steel pipe. Check to see if the spacers under the screws are in place. If the pipe is ductile iron or C.I. O.D. PVC (C900) **DO NOT REMOVE THE SPACERS**. If the pipe is steel or IPS O.D. PVC, **REMOVE THE SPACERS** (sizes 4 inch through 12 inch). The 3 inch size is designed for use on ductile iron, IPS O.D. PVC pipe. Sizes 30 inch and larger are designed for ductile iron pipe only. There are no spacers on the 3 inch and the 14 inch and larger sizes.



2. Cut the pipe to the required length. Clean the end of the pipe for a length approximately one foot using a wire brush if needed, removing all excess paint and foreign material. Also clean the opposing flange to be connected to the 2100. Place the 2100 restraint ring on the clean pipe with the lip facing the plain end.

3. Lubricate and place the EBAA-Seal™ Gasket on the clean pipe following the restraint ring. **(USE A TRANSITION GASKET IN PLACE OF THE EBAA-SEAL GASKET FOR STEEL AND IPS O.D. PVC PIPE.)**

4. Place the O-ring into the groove of the 2100 Gasket Ring. (This step may have been completed at the factory, check Gasket Ring to see if O-ring is already in place.) Place the Gasket Ring on the pipe with the O-ring facing the pipe end and the gasket recess facing the EBAA-Seal (or transition) Gasket and restraint ring.

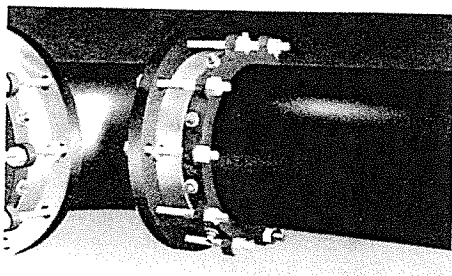


5. Bring the pipe and flanges together within the maximum assembled deflection and maximum allowable gap "L" to the flange face. Slide the gasket ring, gasket and restraint ring until contact is made with the opposing flange.

6. Insert and tighten all flange bolts. Torque all flange bolts in an alternating manner to the value listed in Table 1.1. Be sure to make any necessary joint deflection before tightening the actuating screws. Joint deflection should not exceed the maximum allowable deflection. Be sure that deflection of the joint does not cause the end of the pipe to be separated from the opposing flange more than the maximum allowable gap "L".

7. Tighten the actuating screws in an alternating manner until all wedges touch the pipe. Continue tightening the nuts in an alternating pattern until all the torque-limiting nuts have been twisted off.

Table 1.1 Flange Bolt Torques	
Nominal Pipe Size	Bolt Torque (ft-lbs.)
3	45 - 60
4 - 6	75 - 90
8 - 24	90 - 110
30 - 48	110 - 130



8. If removal is necessary, utilize the 5/8 inch hex head provided. For reinstallation, repeat steps 2 through 7, torquing the actuating screws to 70 ft-lbs or until the hex heads bottom out on the spacers or gland.

EBAA IRON Sales, Inc.

P.O. Box 857, Eastland, TX 76448

Tel: (254) 629-1731

Fax: (254) 629-8931

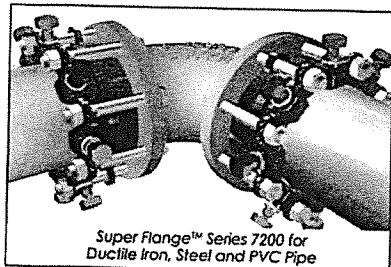
(800) 433-1716 within US and Canada

contact@ebaa.com

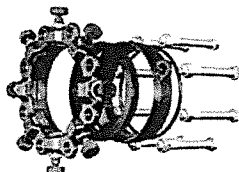
www.ebaa.com

**Super Flange™ series 7200**

Designed for use on Ductile Iron, Steel and PVC Pipes



Super Flange™ Series 7200 for Ductile Iron, Steel and PVC Pipe

**SUBMITTAL INFORMATION**PROJECT NAME: ENGINEER: CONTRACTOR: SPEC. SECTION: **FEATURES & ADVANTAGES**

- Versatile product designed for adapting ductile iron (3"-48"), PVC (3"-24") & steel (3"-12") pipe to flange connections.
- 350 psi maximum pressure rating on ductile iron pipe and rated to the maximum pressure rating of PVC pipe
- Joint deflection up to 5° maximum
- Allows for field flanged ends on plain end pipe
- Flange meets ANSI Class 125/150 and ANSI/AWWA C115/A21.15 drill pattern.
- Includes restraint gland, flange adapter ring, gaskets and hex head bolts/nuts
- Super Flange™ sizes 3"-12" are listed with Underwriters Laboratories Inc. and Underwriters Laboratories of Canada for ductile iron and steel pipe.
- Super Flange™ sizes 4" – 12" are approved by Factory Mutual Research for use on C900 PVC pipe DR18 Class 235 at 150 psi and sizes 4"-10" on DR14 Class 305 at 200 psi.

MATERIAL SPECIFICATIONS:

- Restraint Gland: Ductile Iron per ASTM A536, Grade 65-45-12
- Restraint Gland Finish: Starbond™ TGIC polyester powder coating applied by an electrostatic spray process
- Wedges: Ductile Iron per ASTM A536, Grade 65-45-12 heat treated to a minimum of 370 BHN
- Wedge Finish: Thermally cured fluoropolymer epoxy coating
- Flange adapter ring: coated with fusion bonded epoxy that meets ANSI/NSF 61
- MJ gasket and O-ring flange gasket are made from styrene butadiene rubber (SBR) per ANSI/AWWA C111/A-21.11.

GASKET TYPE (Please check one):

- ☒ Standard: MJ Gasket
☐ Option: Transition Gasket (3" to 12" only)

MJ GASKET MATERIAL OPTIONS (Please check one):

- ☒ Standard: Styrene butadiene rubber (SBR) per ANSI/AWWA C111/A-21.11
☐ Optional: EPDM
☐ Optional: NITRILE
☐ Other (specify) _____

HARDWARE OPTIONS (Please check one):

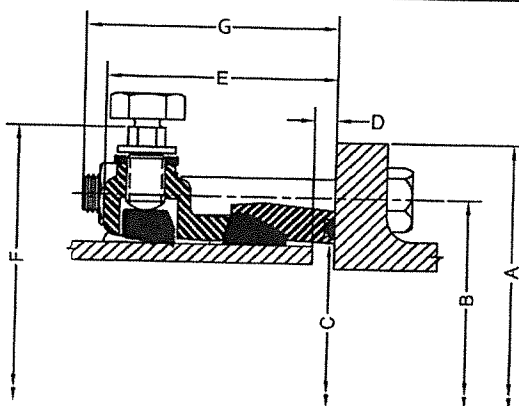
- ☐ Standard: hex head bolts and nuts are manufactured in accordance with ASTM A307, Grade B and ASTM A563 - bolts and nuts are also zinc plated.
☐ Optional: hex head bolts and nuts alloy SS 304 per ASTM F593 and ASTM A194
☐ Optional: hex head bolts and nuts alloy SS 316 per ASTM F593 and ASTM A194
☒ Optional: hex head bolts and nuts Fluoropolymer Star-Blue coated



Super Flange™ series 7200

Designed for use on Ductile Iron, Steel and PVC Pipes

TECHNICAL INFORMATION



SUPER FLANGE™ 7200 SPECIFICATIONS*

Please check size	NOM. SIZE	A	B	C	D MAX.	E	F	G	BOLTS		MAXIMUM JOINT DEFLECTION*	APPROX. WT. (LBS)
									SIZE	QTY.		
<input type="checkbox"/>	3	7.50	6.00	4.09	0.70	4.06	7.95	4.75	5/8 X 5 1/2	4	5.0°	13
<input type="checkbox"/>	4	9.00	7.50	4.93	0.60	4.18	9.22	4.56	5/8 X 5 1/2	8	5.0°	20
<input type="checkbox"/>	6	11.00	9.50	7.03	0.80	4.43	11.32	5.00	3/4 X 6	8	5.0°	29
<input type="checkbox"/>	8	13.50	11.75	9.18	0.90	4.60	13.29	4.88	3/4 X 6	8	5.0°	35
<input type="checkbox"/>	10	16.00	14.25	11.23	1.00	4.62	15.50	6.31	7/8 X 7 1/2	12	3.0°	60
<input type="checkbox"/>	12	19.00	17.00	13.33	1.00	4.75	17.50	6.25	7/8 X 7 1/2	12	3.0°	72
<input type="checkbox"/>	14	21.00	18.75	15.45	1.30	5.13	19.54	6.62	1 X 8	12	2.0°	89
<input type="checkbox"/>	16	23.50	21.25	17.55	1.30	5.18	21.64	6.56	1 X 8	16	2.0°	110
<input type="checkbox"/>	18	25.00	22.75	19.65	1.30	5.23	23.74	6.94	1 1/8 X 8 1/2	16	1.5°	140
<input type="checkbox"/>	20	27.50	25.00	21.75	1.30	5.24	25.84	6.81	1 1/8 X 8 1/2	20	1.5°	165
<input type="checkbox"/>	24	32.00	29.50	25.95	1.30	5.28	30.04	6.62	1 1/4 X 8 1/2	20	1.0°	198
<input type="checkbox"/>	30	38.75	36.00	32.18	2.00	6.00	36.58	7.88	1 1/4 X 10	28	1.0°	362
<input type="checkbox"/>	36	46.00	42.75	38.48	2.00	6.00	42.88	8.12	1 1/2 X 10 1/2	32	1.0°	541
<input type="checkbox"/>	42	53.00	49.50	44.68	2.00	8.00	50.80	9.38	1 1/2 X 12	36	1.0°	—
<input type="checkbox"/>	48	59.50	56.00	50.98	2.00	8.00	57.10	9.25	1 1/2 X 12	44	1.0°	—

* All dimensions in inches except where indicated.

* All dimensions in inches except where indicated.

**** Contact Star Pipe Products for price and availability.**

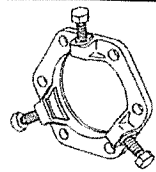
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1 - All Pressure ratings are in PSI

2 - Transition Gasket required

SUBMITTAL INFORMATION

Uni-Flange Retainer (UFR1400-DA-x-RB-I style)

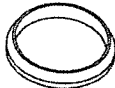


WEDGE ACTION SERIES 1400-D RETAINER GLAND FOR DUCTILE IRON PIPE WITH BLUE FLUOROCARBON-COATED ACCESSORIES

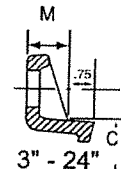
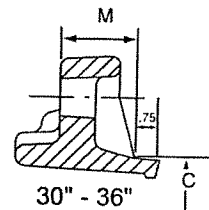
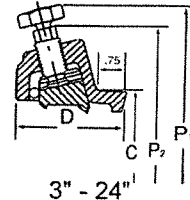
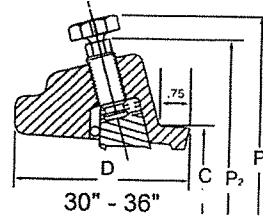
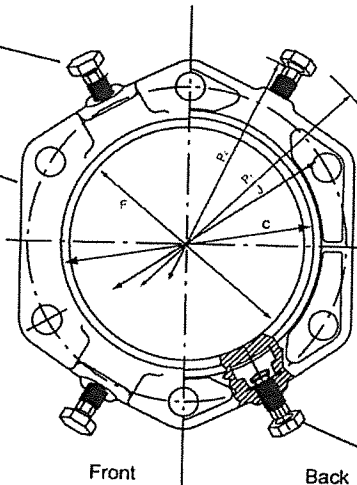
Ductile iron wedge actuating screw, with the Auto-Tork break-away head design, ensures proper torque during installation.

Gland body is of high strength ductile iron per ASTM A536, Grade 65-45-12. Compatible with all mechanical joints conforming to ANSI/AWWA C111/A21.11.

High strength low alloy T-bolts and nuts AWWA C111 blue fluorocarbon coated



Mechanical joint gasket AWWA C111



Wedges are ductile iron and heat treated to a hardness of 370 BHN minimum.

NOM. PIPE SIZE	O.D.	CATALOG NUMBER	PRESSURE RATING (PSI)	NO. OF WEDGES	APPROX. WEIGHT (LBS.)	P1*	P2**	C	D	F	M	J	✓ SUBMITTED ITEM(s)
3	3.96	UFR1400-DA-3-RB-I	350	2	8.6	11.04	9.06	4.84	2.65	4.06	0.68	6.19	
4	4.80	UFR1400-DA-4-RB-I	350	2	11.7	11.9	10.0	5.92	2.65	4.90	0.88	7.50	
6	6.90	UFR1400-DA-6-RB-I	350	3	17.6	14.0	12.1	8.02	2.65	7.00	0.85	9.50	
8	9.05	UFR1400-DA-8-RB-I	350	4	21.7	16.2	14.3	10.17	2.65	9.15	1.10	11.75	
10	11.10	UFR1400-DA-10-RB-I	350	6	31.9	18.2	16.3	12.22	2.75	11.20	1.10	14.00	
12	13.20	UFR1400-DA-12-RB-I	350	8	41.5	20.3	18.4	14.32	2.75	13.30	1.10	16.25	
14	15.30	UFR1400-DA-14-RB-I	350	10	57.0	22.9	20.9	16.40	3.00	15.50	1.50	18.75	
16	17.40	UFR1400-DA-16-RB-I	350	12	64.0	25.0	23.0	18.50	3.00	17.60	1.56	21.00	
18	19.50	UFR1400-DA-18-RB-I	250	12	81.0	28.1	25.8	20.60	3.05	19.70	1.65	23.25	
20	21.60	UFR1400-DA-20-RB-I	250	14	90.0	30.2	27.9	22.70	3.10	21.82	1.70	25.50	
24	25.80	UFR1400-DA-24-RB-I	250	16	107.0	34.4	32.1	26.90	3.20	26.04	1.85	30.00	
30	32.00	UFR1400-DA-30-RB-I	250	20	264.0	40.6	38.6	33.29	4.30	32.29	2.25	36.88	
36	38.30	UFR1400-DA-36-RB-I	250	24	318.0	46.9	44.9	39.59	4.50	38.62	2.25	43.75	

* Maximum O.D. of gland on pipe before break-away heads have been removed (as received).

** Maximum O.D. of gland on pipe after wedges have been activated and break-away heads have been removed.

FEATURES

- Eliminates the need of costly and time consuming concrete thrust blocks and corrosion susceptible steel tie rods
- "Auto-Tork" wedge actuating screws assure proper installation
- Wedges are contoured to fit the pipe
- Set of high strength, low alloy T-Bolts and nuts (AWWA C111) with blue fluorocarbon coating
- Mechanical joint gasket (AWWA C111) 3"-24" sizes, Uni-Seal gasket 30" and 36" sizes
- Gland, screws and wedges are black e-coated
- Imported ductile iron castings
- Assembled, inspected and packaged in the U.S.A.
- FM Approved (4"-12") and UL Listed (4"- 48")

The Ford Meter Box Company considers the information in this submittal form to be correct at the time of publication. Item and option availability, including specifications, are subject to change without notice. Please verify that your product information is current.



The Ford Meter Box Company, Inc.

P.O. Box 443, Wabash, Indiana U.S.A. 46992-0443

Phone: 260-563-3171 / Fax: 800-826-3487

Overseas Fax: 260-563-0167

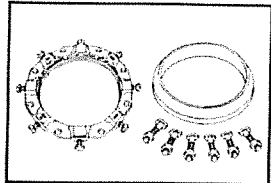
www.fordmeterbox.com

01/30/15

Submitted By:

SUBMITTAL INFORMATION

Mechanical Joint Retainer (UFR1500-CA-x-RB-I style)



4" - 12" SERIES UFR1500 CIRCLE LOCK MECHANICAL JOINT RESTRAINT FOR C900 OR C909 PVC PACKAGED FLUOROCARBON-COATED WITH ACCESSORIES

Ductile iron actuating screw, with the Auto-Tork break-away head design, insures proper torque during installation.

Safety stop insures ring segments can never be over-tightened.

Mechanical joint gasket

Auto-Tork Bolt

Restraint Segment

Bolt Hole Cross Section

Gland body is of High Strength Ductile Iron per ASTM A536, Grade 65-45-12. ==Compatible with all mechanical joints conforming to ANSI / AWWA C111 / A21.11.

Ring Segments are ductile iron per ASTM A536 and heat treated to a hardness of 370 BHN minimum

High strength, low alloy T-bolts & nuts (AWWA C111) blue fluorocarbon-coated

NOM PIPE SIZE	PIPE O.D.	CATALOG NUMBER	NO. OF SEGMENTS	APPROX. WEIGHT (LBS)	P1*	P2**	BC	D	PRESSURE RATING				✓ SUBMITTED ITEM(S)
						C900 C909			C900			C909	
									DR-14	DR-18	DR-25		
4"	4.80	UFR1500-CA-4-RB-I	4	11.00	13.00"	9.40"	7.50"	4.90"	305	235	165		
6"	6.90	UFR1500-CA-6-RB-I	6	15.00	15.13"	11.60"	9.50"	7.00"	305	235	165	235	
8"	9.05	UFR1500-CA-8-RB-I	6	18.00	17.25"	13.75"	11.75"	9.15"	305	235	165	235	
10"	11.10	UFR1500-CA-10-RB-I	8	26.00	19.38"	16.00"	14.00"	11.20"	305	235	165	235	
12"	13.20	UFR1500-CA-12-RB-I	8	29.00	21.50"	18.05"	16.25"	13.30"	305	235	165	235	

*Maximum O.D. of 15.00" for 6" nominal size pipe

*Maximum O.D. of gland on pipe before Auto-Tork heads are removed (as shipped).

**Maximum O.D. of gland on pipe after Auto-Tork heads are removed.

FEATURES

- Full circle contact and support of the pipe wall.
- "Auto-Tork" actuating screws with heads specially designed to twist off at the correct installation torque, leaving a hex head in case future system maintenance or removal is required
- Set of high strength, low alloy T-Bolts and nuts with blue fluorocarbon-coating (AWWA C111)
- Mechanical joint gasket (AWWA C111)
- Series 1500 eliminates the need to pour expensive and time consuming concrete thrust blocks
- Restraining segments are mechanically retained in pockets
- Imported ductile iron castings
- Gland, screws and segments are black epoxy coated using the e-coat process
- Gland colored red for identification purposes
- Assembled, inspected and packaged in the U.S.A.

The Ford Meter Box Company considers the information in this submittal form to be correct at the time of publication. Item and option availability, including specifications, are subject to change without notice. Please verify that your product information is current.



The Ford Meter Box Company, Inc.

P.O. Box 443, Wabash, Indiana U.S.A. 46992-0443

Phone: 260-563-3171 / Fax: 800-826-3487

Overseas Fax: 260-563-0167

<http://www.fordmeterbox.com>

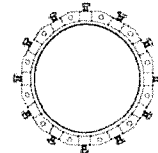


Submitted By:

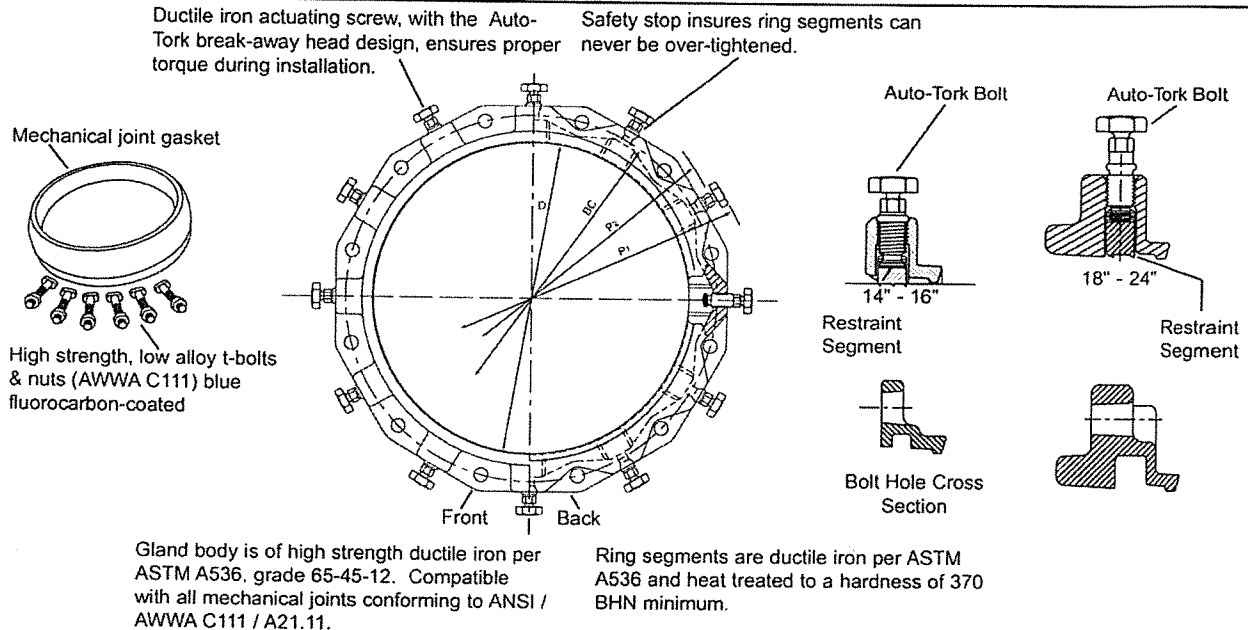
02/06/14

SUBMITTAL INFORMATION

Mechanical Joint Retainer (UFR1500-CA-xx-RB-I style)



14" - 24" SERIES UFR1500-C CIRCLE LOCK MECHANICAL JOINT RESTRAINT FOR C905 PVC PIPE WITH BLUE FLUOROCARBON-COATED ACCESSORIES



NOM. PIPE SIZE	O.D.	CATALOG NUMBER AWWA C-905 PVC PIPE	NO. OF RESTRAINT SEGMENTS	APPROX. WEIGHT (LBS.)	P1*	P2**	BC	D	PRESSURE RATING C-905 DR-18	PRESSURE RATING AWWA C-905 DR-25	✓ SUBMITTED ITEM(S)
14"	15.30	UFR1500-CA-14-RB-I	10	47	23.62	22.72	18.75	15.44	235 PSI	165 PSI	
16"	17.40	UFR1500-CA-16-RB-I	12	63	26.18	25.28	21.0	17.54	235 PSI	165 PSI	
18"	19.50	UFR1500-CA-18-RB-I	12	70	28.28	27.38	23.25	19.64	235 PSI	165 PSI	
20"	21.60	UFR1500-CA-20-RB-I	14	96	30.38	29.48	25.5	21.74	235 PSI	165 PSI	
24"	25.80	UFR1500-CA-24-RB-I	16	126	34.58	33.68	30.0	25.94	235 PSI	165 PSI	

*Maximum O.D. of gland on pipe before Auto-Tork heads are removed (as shipped).

**Maximum O.D. of gland on pipe after Auto-Tork heads are removed.

FEATURES

- Full circle contact and support of the pipe wall. The Series 1500 can be used on any thickness class of AWWA C-905 PVC pipe without any point loading.
- "Auto-Tork" actuating screws with heads specially designed to twist off at the correct installation torque, leaving a hex head in case future system maintenance or removal is required.
- Set of high strength, low alloy t-bolt and nuts (AWWA C111) with blue fluorocarbon coating
- Mechanical joint gasket (AWWA C111) 14"-24" sizes
- Series 1500 eliminates the need to pour expensive and time consuming concrete thrust blocks
- Imported ductile iron castings
- Restraining segments are mechanically retained in pockets
- Gland, screws and segments are black epoxy coated using the e-coat process
- Gland colored red for identification purposes
- Assembled, inspected and packaged in the U.S.A.

The Ford Meter Box Company considers the information in this submittal form to be correct at the time of publication. Item and option availability, including specifications, are subject to change without notice. Please verify that your product information is current.



The Ford Meter Box Company, Inc.

P.O. Box 443, Wabash, Indiana U.S.A. 46992-0443

Phone: 260-563-3171 / Fax: 800-826-3487

Overseas Fax: 260-563-0167

www.fordmeterbox.com



Submitted By:

02/12/16

**Standard Mechanical Joint Gaskets**

(SBR, NBR, EPDM, Neoprene, FKM)

ANSI/AWWA C111/A21.11

GASKET GENERAL SPECIFICATIONS

Star Pipe Products Mechanical Joint (MJ) Gasket dimensions conform to the drawings set forth in ANSI/AWWA C111/A21.11. Gasket markings include size, Manufacturer's mark, Country of origin and product identification. No markings are positioned on sealing surfaces per the ANSI/AWWA C111/A21.11 standard. MJ transition gaskets follow the requirements of ANSI/AWWA C111/A21.11 where applicable.

Standard gasket material is vulcanized styrene butadiene rubber (SBR). Special application elastomers (EPDM, Nitrile, Neoprene & FKM) are available and shall be identified on all documentation and corresponding gaskets.

Star Pipe gaskets are manufactured under quality control standards and procedures that are maintained by the gasket supplier. Appropriate documentation is maintained by the manufacturer and available for review upon request.

Star Pipe gasket suppliers maintain a quality assurance program and manual that is reviewed and updated on an ongoing basis to ensure product quality. Star Pipe gasket suppliers perform in house testing and submit to random testing by Underwriters Laboratories, Inc. Star Pipe gasket providers are recognized under the component program (UL 194/ UL 157) of Underwriters Laboratories, Inc.

Star Pipe provides that our Mechanical Joint gaskets for potable or wastewater projects will perform as designed, based on the published chemical and environmental resistance data for "generic" rubber compounds. Star Pipe should be consulted for specific recommendations or for unusual applications.

GASKET PROPERTIES		
PROPERTY	ASTM TEST METHOD	REQUIRED VALUE
Hardness, Shore "A"	D2240	75 ± 5
Minimum Tensile	D412	1500 psi
Minimum Elongation	D412	150%
Minimum Aging	D573	60%
Maximum Compression Set	D395, Method B	20%
Resistance to Surface Ozone Cracking	D1149	No Cracking

GASKET TYPE	MAXIMUM CONTINUOUS TEMP	MAXIMUM EXPOSURE TEMP	STANDARD USAGE
SBR (Styrene Butadiene Rubber/ Buna-S)	160 F	180 F	Drinking water, Salt Water, Sanitary Sewage, Reclaimed Water, Raw Water, Storm Water. Not Recommended for Hydrocarbon Service
EPDM (Ethylene Propylene)	250 F	300 F	Alcohols, Dilute Acids, Dilute Alkalis, Ketones (MEK/Acetone), Strong Oxidizing Chemicals; Drinking Water, Salt Water, Sanitary Sewage, Reclaimed Water, Raw Water, Storm Water. Not Recommended for Hydrocarbon Service
Neoprene (Polychloroprene / CR)	225 F	300 F	Hydrocarbons, Unrefined Petroleum Products, Greasy Waste; Salt Water, Sanitary Sewage, Reclaimed Water, Raw Water, Storm Water.
Nitrile (NBR / Buna-N)	160 F	180 F	Refined Oils and Fluids, Fats, Greases and Waste; Drinking Water, Sanitary Sewage, Reclaimed Water, Raw Water, Storm Water.
FKM (Fluoroelastomer / Viton®)	400 F	500 F	Aromatic Hydrocarbons, Chlorinated Hydrocarbons, Vegetable Oils, Most Chemicals; Drinking Water, Reclaimed Water, Raw Water, Storm Water.

Viton® is a registered trademark of E.I. Du Pont De Nemours & Company.

UCAT15-01

* REGISTERED TRADEMARK OF STAR PIPE PRODUCTS

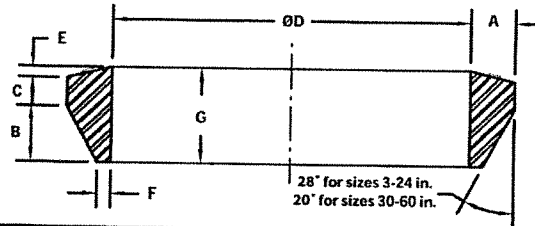
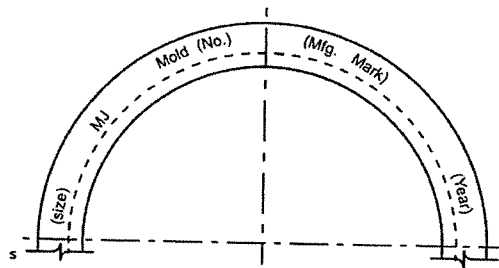
STAR PIPE PRODUCTS
HOUSTON CORPORATE | TOLL FREE 1-800-999-3009 | FAX 281-558-9000
www.starpipeproducts.com





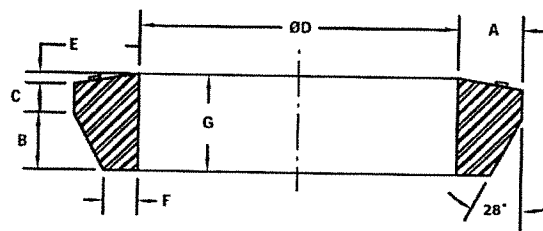
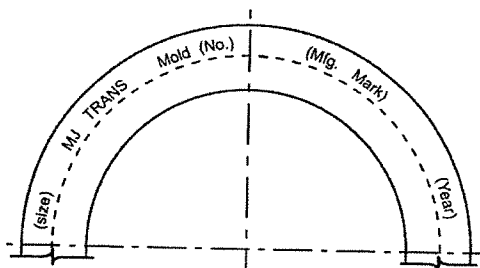
MJ Accessories

ANSI/AWWA C111/A21.11



MECHANICAL-JOINT GASKET

NOM. SIZE	PIPE O.D.	A	B	C	ØD ±1 %	E	F	G
2	2.50	0.48	0.62	0.31	2.48	0.12	0.15	1.05
3	3.96	0.48	0.62	0.31	3.86	0.12	0.15	1.05
4	4.80	0.62	0.75	0.31	4.68	0.16	0.22	1.22
6	6.90	0.62	0.75	0.31	6.73	0.16	0.22	1.22
8	9.05	0.62	0.75	0.31	8.85	0.16	0.22	1.22
10	11.10	0.62	0.75	0.31	10.87	0.16	0.22	1.22
12	13.20	0.62	0.75	0.31	12.95	0.16	0.22	1.22
14	15.30	0.62	0.75	0.31	14.99	0.16	0.22	1.22
16	17.40	0.62	0.75	0.31	17.07	0.16	0.22	1.22
18	19.50	0.62	0.75	0.31	19.13	0.16	0.22	1.22
20	21.60	0.62	0.75	0.31	21.20	0.16	0.22	1.22
24	25.80	0.62	0.75	0.31	25.34	0.16	0.22	1.22
30	32.00	0.73	1.00	0.38	31.47	0.16	0.37	1.54
36	38.30	0.73	1.00	0.38	37.67	0.16	0.37	1.54
42	44.50	0.73	1.00	0.38	43.78	0.16	0.37	1.54
48	50.80	0.73	1.00	0.38	49.98	0.16	0.37	1.54



TRANSITION MECHANICAL-JOINT GASKET

NOM. SIZE	PIPE O.D.	A	B	C (REF.)	ØD ±1 %	E	F	G
2	2.375	0.56	0.66	0.31	2.32	0.12	0.21	1.10
3	3.500	0.72	0.64	0.34	3.43	0.12	0.38	1.10
4	4.500	0.76	0.73	0.33	4.43	0.20	0.37	1.26
6	6.625	0.75	0.73	0.32	6.53	0.20	0.36	1.25
8	8.625	0.82	0.73	0.34	8.50	0.20	0.43	1.27
10	10.750	0.79	0.75	0.31	10.59	0.20	0.39	1.26
12	12.750	0.84	0.75	0.33	12.56	0.20	0.44	1.28



UCAT15.01
* REGISTERED TRADEMARK OF STAR PIPE PRODUCTS

STAR PIPE PRODUCTS
HOUSTON CORPORATE | TOLL FREE 1-800-999-3009 | FAX 281-558-9000
www.starpipeproducts.com



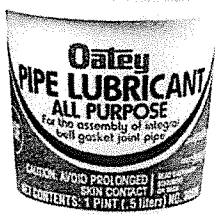
4700 W. 160th St.
Cleveland, OH 44135
PH: 800-321-9532
FX: 800-321-9535
www.oatey.com

TECHNICAL SPECIFICATION

ALL PURPOSE PIPE LUBRICANT



TECHNICAL SPECIFICATION: Oatey All Purpose Pipe Lubricant is used for assembling pipelines including cast iron, concrete, plastic and clay pipe. Pipe Lubricant is a mixed fatty acid soap dispersed in glycols and water solvents with a clay pigment filler. Pipe Lubricant can be applied from -10° F to 150° F. It will not deteriorate natural or synthetic rubber, plastic gaskets or cast iron pipe. Pipe Lubricant contains no petroleum oils or phosphates and will not support bacterial growth.



COMMON APPLICATIONS

Oatey All Purpose Pipe Lubricant is used for assembling gasketed pipelines including cast iron, concrete, plastic and clay pipe.

Consult Oatey Technical Department for applications not specifically referenced above.

INGREDIENTS

Blend of soap and non-toxic ingredients.

APPROVALS AND LISTINGS



NSF Listed to
Standard 61

PHYSICAL/CHEMICAL PROPERTIES

Bulk Density	~ 9.3 lb/gal
Appearance	Soft Amber Paste
Shelf Life	1 year from manufacture date
Free Fatty Acid	1-3%
Total Alkalinity	100 mg KOH/g equivalent
pH	~ 9.5

DIRECTIONS FOR USE

All Purpose Pipe Lubricant is ready to use from the container. Do not dilute, thin or otherwise alter the product's consistency. Follow guidelines for lubrication and assembly provided by pipe, fitting and gasket manufacturers. Clean both the inside of the bell and the outside of the spigot. Completely lubricate the inside surface of the bell and the gasket. The lubricant can be brushed on, swabbed on, or wiped on by hand with a cloth glove. Be sure to get full lubricant coverage. Don't leave any dry areas. Do not apply lubricant into the ring groove.

PRECAUTIONS

Read all cautions and directions carefully before using this product. Avoid contact with eyes. Prolonged contact with skin could cause irritation. Wash with soap and water. If irritation persists, contact physician. Keep container closed when not in use. DO NOT REUSE EMPTY CONTAINER. KEEP OUT OF REACH OF CHILDREN.

Refer to material safety data sheet for more information.
For emergency first aid help, call 1-303-623-5716 COLLECT.

PRODUCT NUMBER	DESCRIPTION	PACK	CARTON WEIGHT
30599	16 oz. Pipe Lubricant	24	30 lbs.
30600	32 oz. Pipe Lubricant	12	25 lbs.
30601	Gallon Pipe Lubricant	4	34 lbs.
30605	5 Gallon Pipe Lubricant	1	42 lbs.



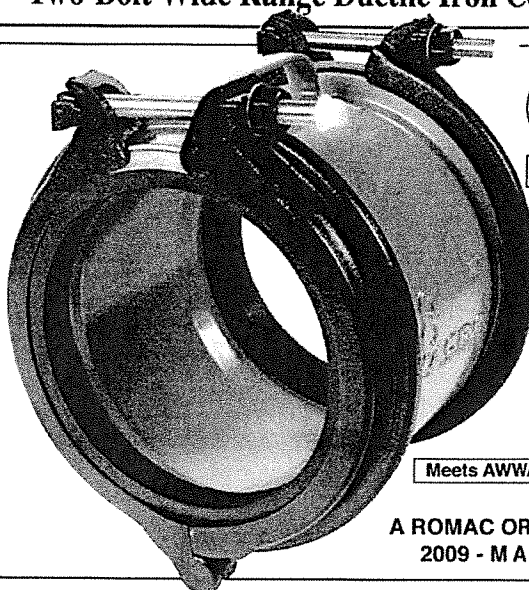
MACRO HP™

Two-Bolt Wide Range Ductile Iron Coupling

MACRO HP™

TWO-BOLT EXTENDED RANGE COUPLING

- **New Sizes** - Macro HP is now available for pipe sizes 2" through 12"
- High Performance One-Piece Gasket
- Up To 25% Higher Working Pressure (up to 305 PSI)
- Up To 25% More Deflection (up to 10°)
- Stainless Steel Armors Are Bonded To Gaskets
- Patent Number: 8448993



Meets AWWA C219

A ROMAC ORIGINAL
2009 - MACRO™

MACRO HP ADVANTAGES

- **DUCTILE IRON**
Long-life ductile iron end-rings and center-ring.
- **WIDE RANGE**
Macro HP fits a wide variety of pipe materials and diameters.
- **SIMPLE INSTALLATION**
Macro HP is a fast stab-fit installation with only two bolts to tighten. The built-in handle makes the Macro HP simple to carry and maneuver.
- **EASY TO REMOVE**
In the event that the coupling needs to be removed, Macro HP can be quickly removed simply by loosening two bolts.
- **CATHODIC PROTECTION**
The Macro HP can be ordered with an adapter/connection for cathodic protection if desired.
- **ALLOWS DEFLECTION**
When properly installed the Macro HP can accommodate pipe deflection of up to 10 degrees (5 degrees on each end).
- **MANUFACTURED IN THE U.S.A.**
BY ROMAC INDUSTRIES, INC.
Patent Number: 8448993

Material Specifications

Castings: All cast components (end rings, center ring, and bolt guides) are ductile iron, meeting or exceeding the requirements of ASTM A 536, grade 65-45-12. End rings are segmented and joined with a hinge.

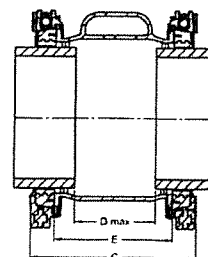
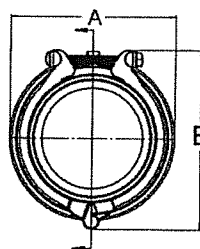
Gaskets: Gaskets formed from virgin Nitrile Butadiene Rubber (NBR) compounded for water and sewer service in accordance with ASTM D2000. Other compounds available on request.

Bolts & Nuts: 304 stainless steel, UNC carriage head bolts with heavy hex nuts. Sizes 2" & 3": 1/2-13. Sizes 4" - 12": 5/8-11. 316 stainless steel available upon request. Fasteners provided with anti-galling protection.

Armor: Heavy gauge 304 stainless steel bonded to gaskets.

Coatings: Center ring fusion bonded epoxy. End rings are E-Coated epoxy.

Pressure: When properly installed, the Romac MACRO HP coupling can be used at working pressures up to 305 psi. Contact Romac Engineering for details.



See following page for dimensions.



Flexible couplings do not provide protection against possible pullout of pipe ends in unrestrained conditions.



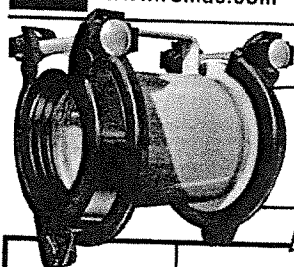
**ROMAC
INDUSTRIES,
INC.**
1-800-426-9341
www.romac.com



April 4, 2016

MACRO HP™

Two-Bolt Wide Range Ductile Iron Coupling



NEW SIZES
for applications on
2" and 3" pipe

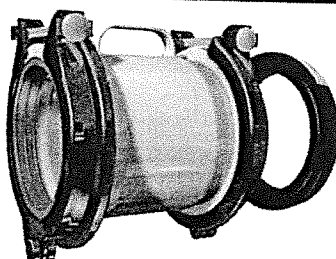
The 2 and 3 inch Macro HP Couplings are designed to fit most common pipe materials.

For other ranges and gasket configurations not shown in the table below, contact Romac Industries, Inc.

NOMINAL PIPE SIZE	COUPLING RANGE	DIMENSIONS					LIST PRICE	APPROX. WT. (LBS.)
		DIM. A (WIDTH)	DIM. B (HEIGHT)	DIM. C (LENGTH)	DIM. D (GAP BETWEEN PIPE ENDS)	DIM. E (CENTER RING LENGTH)		
2"	2.12 - 2.55	5.80	6.75	6.38	2.00	4.00	\$183.10	9
2" XL	2.50 - 2.90							
3"	3.13 - 3.63	7.20	8.36	8.38	4.00	6.00	240.25	12
3" XL	3.63 - 4.13							

WIDE RANGE GASKETS

MACRO HP Sizes 4 - 12 inch, are preassembled with standard wide range gaskets that accommodate IPS through cast iron pipe. XL sizes cover DI through Oversize Cast Iron pipe diameters.



A/C GASKET INCLUDED

For larger pipe diameters such as some asbestos cement, a separate A/C gasket is included.

NOM. PIPE SIZE	OVERALL COUPLING RANGE		DIMENSIONS					LIST PRICE	APPROX. WT. (LBS.)
	FACTORY PREASSEMBLED	INCLUDED, REQUIRES GASKET CHANGE	DIM. A (WIDTH)	DIM. B (HEIGHT)	DIM. C (LENGTH)	DIM. D (GAP BETWEEN PIPE ENDS)	DIM. E (CENTER RING LENGTH)		
4"	4.40 - 5.60 WIDE RANGE GASKET 4.40 - 5.05	4.40 - 5.60 A/C GASKET RANGE 4.95 - 5.60	8.96	10.18	11.19	6.00	8.00	\$309.35	28
6"	6.60 - 7.60 WIDE RANGE GASKET 6.60 - 7.15	6.60 - 7.60 A/C GASKET RANGE 7.10 - 7.60	10.96	12.18	11.19	6.00	8.00	408.25	34
8"	8.60 - 9.75 WIDE RANGE GASKET 8.60 - 9.30	8.60 - 9.75 A/C GASKET RANGE 9.10 - 9.75	13.11	14.33	11.19	6.00	8.00	462.30	36
10"	10.70 - 11.90 WIDE RANGE GASKET 10.70 - 11.30	10.70 - 11.90 A/C GASKET RANGE 11.25 - 11.90	15.26	16.48	11.19	6.00	8.00	598.00	57
10" XL	11.00 - 12.20 WIDE RANGE GASKET 11.00 - 11.65	11.00 - 12.20 A/C GASKET RANGE 11.55 - 12.20	15.56	16.78	11.19	6.00	8.00	639.40	59
12"	12.70 - 13.80 WIDE RANGE GASKET 12.70 - 13.30	12.70 - 13.80 A/C GASKET RANGE 13.15 - 13.80	17.16	18.38	11.19	6.00	8.00	703.80	62
12" XL	13.15 - 14.40 WIDE RANGE GASKET 13.15 - 13.80	13.15 - 14.40 A/C GASKET RANGE 13.75 - 14.40	17.76	18.98	11.19	6.00	8.00	841.80	64

To Order MACRO HP Coupling: Determine the O.D. of the pipes to be coupled, and select coupling size which covers the pipe diameters of both pipe ends. Use the high range [shaded number in table above] of the overall coupling range to identify which coupling you're ordering.

Example: To couple 8" DI and 8" std. steel, order **MACRO HP 9.75**.



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Central Bidding Time: Tue June 06, 2017 2:02:39 PM GMT-6

Location: **Metairie > Louisiana > USA**
Name: **Jeff DeVillier**
Email: **jeff@cimscoinc.com**
Address: **1840 L&A Road**
Zip code: **70001**
Contact number: **+5048357319**
NIGP Codes: (Commodity
code categories) **34060 - Hydrants, Fire (Including Accessories and Parts)**
65860 - Pipe, PVC (Polyvinyl Chloride)
67057 - Plumbing Equipment, Accessories and Supplies
(Not Otherwise Classified)

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Central Auction House, LTD





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Central Bidding Time: Tue June 06, 2017 2:05:07 PM GMT-6

Place a Bid for 5000119704 ONE (1) YEAR CONTRACT FOR A SUPPLY OF COUPLINGS, RESTRAINING DEVICES AND RELATED GASKETS

Please enter your best bid proposal for this project

Louisiana Contractor ID#

Enter all information required on the outside of the sealed envelope in the box below

Bid Bond #

Jefferson Parish Vendor #:

Upload Attachment(s)

While this site accepts various file types, sizes and quantities, the preferred method for delivering all of the appropriate and required bid documents is one single scanned PDF file. Vendors submitting bids with multiple uploaded images/photos of bid responses are solely responsible for clarity. If uploaded images/documents are not legible, the bidder's submission will be rejected. Please note all requirements in this bid package for electronic bid submission.

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DATE: 5/10/2017
BID NO.: 50-00119704

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THIS IS NOT AN ORDER

Page: 1

JEFFERSON PARISH

PURCHASING DEPARTMENT
P.O. BOX 9
GRETN, LA. 70054-0009
504-364-2678

BUYER: DNELSON@jeffparish.net

BIDS WILL BE RECEIVED IN THE WEST BANK PURCHASING DEPT, SUITE 4400, JEFFERSON PARISH GENERAL GOVERNMENT BUILDING, 200 DERBIGNY STREET, GRETN, LA 70053 UNTIL 2:00 PM, 5/25/2017 AND PUBLICLY OPENED THEREAFTER. For convenience, bidders may also submit bids in the East Bank Purchasing Department, Suite 404, Jefferson Parish Joseph S. Yenni Building, 1221 Elmwood Park Blvd., Jefferson LA 70123. However, if submitting bids on the day of bid opening, bidders must submit at the West Bank location only. All bids will be publicly opened at the West Bank location.

At no charge, bidders may also submit via Jefferson Parish's electronic procurement page by visiting www.jeffparishbids.net to register for this free site. Additional instructions are included in the text box highlighting electronic procurement.

LATE BIDS WILL NOT BE ACCEPTED

Unless submitting via online (see Page 3), each bid must be submitted in a sealed envelope bearing on the outside; the name of the Bidder, his address, and the name of the project for which the bid is submitted and the bid number.

NOTE: ONLY BIDS WRITTEN IN INK OR TYPEWRITTEN, AND PROPERLY SIGNED BY A MEMBER OF THE FIRM OR AUTHORIZED REPRESENTATIVE, WILL BE ACCEPTED. PENCIL AND/OR PHOTOSTATIC FIGURES OR SIGNATURES SHALL RESULT IN BID REJECTION.

INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS

THE FOLLOWING INSTRUCTIONS APPLY TO ALL BIDS

All bids submitted are subject to these instructions and general conditions and any special conditions and specifications contained herein, all of which are made part of this bid proposal reference. By submitting a bid, vendor agrees to comply with all provisions of Louisiana Law as well be in compliance with the Jefferson Parish Code of Ordinances, Louisiana Code of Ethics, applicable Jefferson Parish ethical standards and Jefferson Parish Resolution No. 113646 and/or Resolution No. 113647.

All vendors submitting bids should register as a Jefferson Parish vendor if not already yet registered. Registration forms may be downloaded from <http://purchasing.jeffparish.net> and by clicking on Vendor Information. Current W-9 forms with respective Tax Identification numbers and vendor applications may be submitted at any time; however, if your company is not registered and/or a current W-9 form is not on file, vendor registration is mandatory. Further, a current W-9 form and respective Tax Identification number must be supplied upon contract execution, should you be awarded a contract and/or issued purchase order. Failure to do so may result in delay of payment.

All quotations shall be based on F.O.B. Agency warehouse or job site, anywhere within the Parish as designated by the Purchasing Department. This provision does not apply to public works projects

JEFFERSON PARISH requires all products to be new (current) and all work must be performed according to standard practices for the project. Unless otherwise specified, no aftermarket parts will be accepted. Unless otherwise specified, all workmanship and materials must have at least one (1) year guaranty, in writing, from the date of delivery and/or acceptance of the project. Any deviations or alterations from the specifications must be indicated and/or supporting documentation supplied with bid submission.

Bidders should submit all questions in writing and fax them to the Purchasing Department at (504) 364-2693 no later than FIVE (5) working days prior to bid opening. Bid numbers should be mentioned in all requests. Questions may also be emailed to the buyer for this bid at the email address listed above. If submitting online, vendors may send questions via the E-Procurement site no later than Five (5) working days prior to the bid opening.

If this bid requires a pre-bid conference (see Additional Requirements section), bidders are advised that such conference will be held to allow bidders the opportunity to identify any discrepancies in the bid specifications and seek further clarification regarding instructions. The Purchasing Department will issue a written response to bidders' questions in the form of an Addendum. Please note that all official communication will be expressed in the form of an addendum.

All formal Addenda require written acknowledgement on the bid form by the bidder. Failure to acknowledge an Addendum on the bid form shall cause the bid to be rejected. JEFFERSON PARISH reserves the right to award bid to next lowest responsive and responsible bidder in this event.

The purpose and intention of this invitation to bid is to afford all suppliers an equal opportunity to bid on all construction, maintenance, repair, operating supplies and/or equipment listed in this bid proposal. JEFFERSON PARISH WILL ACCEPT ONE BID ONLY FROM EACH VENDOR. Items bid must meet specifications.

Visit our website at [HTTP://PURCHASING.JEFFPARISH.NET](http://PURCHASING.JEFFPARISH.NET)

DATE: 5/10/2017

BID NO.: 50-00119704

Page: 2

JEFFERSON PARISH will accept one price for each item unless otherwise indicated. Two or more prices for one item will result in bid rejection. Bidders are required to complete, sign and return the bid form and/or complete and return the associated line item pricing forms as indicated. Vendors must not alter the bid forms. Doing so will cause the bid to be rejected.

A corporate resolution or written evidence of the individual signing the bid having such authority must be submitted with the bid. Failure to comply will cause bid to be rejected. For corporate entities, such written evidence may be a printout of the Louisiana Secretary of State's website listing the signatory as an officer. Such printout shall be included with the bid submission. Bids submitted by Owners or Sole Proprietorships must include certification that he or she owns the entity for which the bid is signed. This documentation must be submitted with the bid. Failure to do so will result in bid rejection.

NOTE: A sample corporate resolution can be downloaded from our website <http://purchasing.jeffparish.net> or you may provide your own document. A sample certification of sole proprietorship can also be downloaded from our website <http://purchasing.jeffparish.net> or you may provide your own document.

INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS

A. AWARD OF CONTRACT: JEFFERSON PARISH reserves the right to award contracts or place orders on a lump sum or individual item basis, or such combination, as shall in its judgment be in the best interest of JEFFERSON PARISH. Every contract or order shall be awarded to the LOWEST RESPONSIVE and RESPONSIBLE BIDDER, taking into consideration the CONFORMITY WITH THE SPECIFICATIONS and the DELIVERY AND/OR COMPLETION DATE. SPLIT AWARDS MADE TO SEVERAL VENDORS WILL ONLY BE GRANTED TO THOSE DEEMED RESPONSIVE AND RESPONSIBLE.

All bid prices shall remain valid for 45 days. Jefferson Parish and the lowest responsive and responsible bidder(s) by mutual written consent may mutually agree to extend the deadline for award by one (1) or more extensions of thirty (30) calendar days.

PROTESTS: Only those vendors that submitted a bid in response to this solicitation may submit a protest in writing to the Director of the Purchasing within 48 hours of bid opening. The Purchasing Director will review it in connection with the Parish Attorney's Office which will then respond in writing as soon as possible.

PREFERENCE: Unless federal funding is directly spent by Jefferson Parish for this purchase, preference is hereby given to materials, supplies, and provisions produced, manufactured or grown in Louisiana, quality being equal to articles offered by competitors outside the state. "LSA - R.S. 38:2251-2261"

B. USE OF BRAND NAMES AND STOCK NUMBERS: Where brand names and stock numbers are specified, it is for the purpose of establishing certain minimum standards of quality. Bids may be submitted for products of equal quality, provided brand names and stock numbers are specified. Complete product data may be required prior to award.

C. CANCELLATION OF CONTRACT: JEFFERSON PARISH reserves the right to cancel all or any part if not shipped promptly. No charges will be allowed for parking or cartage unless specified in quotation. The order must not be filled at a higher price than quoted. JEFFERSON PARISH reserves the right to cancel any contract at anytime and for any reason by issuing a THIRTY (30) day written notice to the contractor.

For good cause and as consideration for executing a contract with Jefferson Parish, vendor conveys, sells, assigns and transfers to Jefferson Parish or its assigns all rights, title and interest in and to all causes of action it may now or hereafter acquire under the antitrust laws of the United States and the State of Louisiana, relating to the particular good or services purchased or acquired by Jefferson Parish.

D. PRICES: Jefferson Parish is exempt from paying sales tax under LSA-R.S. 47:301 (8)(c). All prices for purchases by Jefferson Parish of supplies and materials shall be quoted in the unit of measure specified and unless otherwise specified, shall be exclusive of state and Parish taxes. The price quoted for work shall be stated in figures. In the event there is a difference in unit prices and totals, the unit price shall prevail.

Quantities listed are for bidding purposes only. Actual requirements may be more or less than quantities listed.

Bidders are not to exclude from participation in, deny the benefits of, or subject to discrimination under any program or activity, any person in the United States on the grounds of race, color, national origin, or sex; nor discriminate on the basis of age under the Age Discrimination Act of 1975, or with respect to an otherwise qualified handicapped individual as provided in Section 504 of the Rehabilitation Act of 1973, or on the basis of religion, except that any exemption from such prohibition against discrimination on the basis of religion as provided in the Civil Rights Act of 1964, or Title VI and VII of the Act of April 11, 1968, shall also apply. This assurance includes compliance with the administrative requirements of the Revenue Sharing final handicapped discrimination provisions contained in Section 51.55 (c), (d), (e), and (k)(5) of the Regulations. New construction or renovation projects must comply with Section 504 of the 1973 Rehabilitation Act, as amended, in accordance with the American National Standard Institute's specifications (ANSI A17.1-1961).

Jefferson Parish and its partners as the recipients of federal funds are fully committed to awarding a contract(s) to firm(s) that will provide high quality services and that are dedicated to diversity and to containing costs. Thus, Jefferson Parish strongly encourages the involvement of minority and/or woman-owned business enterprises (DBE's, including MBE's, WBE's and SBE's) to stimulate participation in procurement and assistance programs.

DATE: 5/10/2017

BID NO.: 50-00119704

INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS

Page: 3

Advertised bids will be tabulated and a copy of the tabulation will be forwarded to each responding bidder.

IN ACCORDANCE WITH STATE REGULATIONS JEFFERSON PARISH OFFERS ELECTRONIC PROCUREMENT TO ALL VENDORS

This electronic procurement system allows vendors the convenience of reviewing and submitting bids online. This is a secure site and authorized personnel have limited read access only. Bidders are encouraged to submit electronically using this free service; while the website accepts various file types, one single PDF file containing all appropriate and required bid documents is preferred. Bidders submitting uploaded images of bid responses are solely responsible for clarity. If uploaded images/documents are not legible, then bidder's submission will be rejected. Please note all requirements contained in this bid package for electronic bid submission.

Please visit our E-Procurement Page at www.jeffparishbids.net to register and view Jefferson Parish solicitations. For more information, please visit the Purchasing Department page at <http://purchasing.jeffparish.net>.

The general specifications for construction projects and the purchase of materials, services and/or supplies are those adopted by the JEFFERSON PARISH Council by Resolution No. 113646 or 113647 dated 12/09/09. The general conditions adopted by this resolution shall be considered as much a part of this document as if they were written wholly herein. A copy may be obtained from the Office of the Parish Clerk, Suite 6700, Jefferson Parish General Government Building, 200 Derbigny Street, Gretna, LA 70053. You may also obtain a copy by visiting the Purchasing Department webpage at <http://purchasing.jeffparish.net> and clicking on 'Online Forms'.

ADDITIONAL REQUIREMENTS FOR THIS BID

PLEASE MATCH THE NUMBERS PRINTED IN THIS BOX WITH THE CORRESPONDING INSTRUCTIONS BELOW.

10,12,13,15

1. All bidders must attend the MANDATORY pre-bid conference and will be required to sign in and out as evidence of attendance. In accordance with LSA R.S. 38:2212(I), all prospective bidders shall be present at the beginning of the MANDATORY pre-bid conference and shall remain in attendance for the duration of the conference. Any prospective bidder who fails to attend the conference or remain for the duration shall be prohibited from submitting a bid for the project.
2. Attendance to this pre-bid conference is optional. However, failure to attend the pre-bid conference shall not relieve the bidder of responsibility for information discussed at the conference. Furthermore, failure to attend the pre-bid conference and inspection does not relieve the successful bidder from the necessity of furnishing materials or performing any work that may be required to complete the work in accordance with the specification with no additional cost to the owner.
3. Contractor must hold current applicable JEFFERSON PARISH licenses with the Department of Inspection and Code Enforcement. Contractor shall obtain any and all permits required by the JEFFERSON PARISH Department of Inspection and Code Enforcement. The contractor shall be responsible for the payment of these permits. All permits must be obtained prior to the start of the project. Contractor must also hold any and all applicable Federal and State licenses. Contractor shall be responsible for the payment of these permits and shall obtain them prior to the start of the project.
4. A LA State Contractor's License will be required in accordance with LSA R.S. 37-2150 et. seq. and such license number will be shown on the outside of the bid envelope. Failure to comply will cause the bid to be rejected. Additionally if submitting the bid electronically, then the license number must be entered in the appropriate field in the Electronic Procurement system. Failure to comply will cause the bid to be rejected.
5. It is the bidder's responsibility to visit the job site and evaluate the job before submitting a bid.
6. Job site must be clean and free of all litter and debris daily and upon completion of the contract. Passageways must be kept clean and free of material, equipment, and debris at all times. Flammable material must be removed from the job site daily because storage will not be permitted on the premises. Precautions must be exercised at all times to safeguard the welfare of JEFFERSON PARISH and the general public.

INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS

7. PUBLIC WORKS BIDS: All awards for public works in excess of \$5,000.00 will be reduced to a formal contract which shall be recorded at the contractor's expense with the Clerk of Court and Ex-Officio Recorder of Mortgages for the Parish of Jefferson. A price list of recordation costs may be obtained from the Clerk of Court and Ex-Officio Recorder of Mortgages for the Parish of Jefferson. All awards in excess of \$25,000.00 will require both a performance and a payment bond. Unless otherwise stated in the bid specifications, the performance bond requirements shall be 100% of the contract price. Unless otherwise state in the bid specifications, the payment bond requirements shall be 100% of the contract price. Both bonds shall be supplied at the signing of the contract.
8. NON-PUBLIC WORKS BIDS: A performance bond will be required for this bid. The amount of the bond will be 100% of the contract price unless otherwise indicated in the specifications. The performance bond shall be supplied at the signing of the contract.
9. NON-PUBLIC WORKS BIDS: A payment bond will be required for this bid. The amount of the bond will be 100% of the contract price unless otherwise indicated in the specifications. The payment bond shall be supplied at the signing of the contract.
10. Unless otherwise stated in the bid specifications, the successful bidder will be required to procure standard insurance policies evidencing Parish-mandated insurance requirements as indicated on the attached "insurance requirements" sheet. All bidders must comply with the instructions in this sheet. Failure to comply will cause bid to be rejected.
11. A bid bond will be required with bid submission in the amount of 5% of the total bid, unless otherwise stated in the bid specifications. Acceptable forms shall be limited to cashier's check, certified check, or surety bid bond. All sureties must be in original format (no copies) If submitting a bid online, vendors must submit an electronic bid bond through the respective online clearinghouse bond management system(s) as indicated in the electronic bid solicitation on Central Auction House. No scanned paper copies of any bid bond will be accepted as part of the electronic bid submission.
12. This is a requirements contract to be provided on an as needed basis. JEFFERSON PARISH makes no representations on warranties with regard to minimum guaranteed quantities unless otherwise stated in the bid specifications.
13. Freight charges should be included in total cost when quoting. If not quoted FOB DELIVERED, freight must be quoted as a separate item. Bid may be rejected if not quoted FOB DELIVERED or if freight charges are not indicated on bid form.
14. PUBLIC WORKS BIDS - Completed, Signed and Properly Notarized Affidavits Required; This applies to all solicitations for construction, alteration or demolition of public buildings or projects, in conformity with the provisions contained in LSA-RS 38:2212.9, LSA-RS 38:2212.10, LSA-RS 38:2224, and Sec 2-923.1 of the Jefferson Parish Code of Ordinances. For bidding purposes, all bidders must submit with bid submission COMPLETED, SIGNED and PROPERLY NOTARIZED Affidavits, including: Non-Collusion Affidavit, Non-Collusion Affidavit, Campaign Contribution Affidavit, Debt Disclosures Affidavit and E-Verify Affidavit. For the convenience of vendors, all affidavits have been combined into one form entitled PUBLIC WORKS BID AFFIDAVIT. This affidavit must be submitted in its original format, and without material alteration, in order to be compliant and for the bid to be considered responsive. A scanned copy of the completed, signed and properly notarized affidavit may be submitted with the bid, however, the successful bidder must submit the original affidavit in its original format and without material alteration upon contract execution. Failure to comply will result in the bid submission being rejected as non-responsive. The Parish reserves the right to award bid to the next lowest responsive and responsible bidder in this event.
15. NON PUBLIC WORK BIDS - Completed, Signed and Properly Notarized Affidavits Required in conformity with the provisions contained in LSA - RS 38:2224 and Sec 2-923.1 of the Jefferson Parish Code of Ordinances. For bidding purposes, all bidders must submit with bid submission COMPLETED, SIGNED and PROPERLY NOTARIZED Affidavits, including: Non-Collusion Affidavit, Debt Disclosures Affidavit and Campaign Contribution Affidavit. For the convenience of vendors, all affidavits have been combined into one form entitled NON PUBLIC WORKS BID AFFIDAVIT. This affidavit must be submitted in its original format, and without material alteration, in order to be compliant and for the bid to be considered responsive. A scanned copy of the completed, signed and properly notarized affidavit may be submitted with the bid, however, the successful bidder must submit the original affidavit in its original format and without material alteration upon contract execution. Failure to comply will result in the bid submission being rejected as non-responsive. The Parish reserves the right to award bid to the next lowest responsive and responsible bidder in this event.
16. The ensuing contract for this bid solicitation may be eligible for FEMA reimbursement and/or Federal funding/reimbursement. As such, the referenced appendix will be applicable accordingly and shall be considered a part of the bid documents. All applicable certifications must be duly completed, signed and submitted with bid submission. Failure to submit applicable certifications with bid submission will result in bid rejection.
17. For this project, the Contractor shall not pay any state or local sales or use taxes on materials and equipment which are affixed and made part of the immovable property of the project or which permanently incorporated in the project (hereinafter referred to as "applicable materials and equipment"). All purchases of applicable materials or equipment shall be made by the contractor on behalf of and as the agent of Jefferson Parish (Owner), a political subdivision of the State of Louisiana. No state and local sales and use taxes are owned on applicable materials and equipment under the provisions of Act 1029 of the 1991 Regular Session - Louisiana Revised Statute 47:301(8)(c). Owner will furnish contractor a certificate form which certifies that Owner is not required to pay such state or local sales and use taxes, and contractor shall furnish a copy of such certificate to all vendors or suppliers of the applicable materials and equipment

It shall be the duty of every parish officer, employee, department, agency, special district, board, and commission: and the duty of every contractor, subcontractor, and licensee of the parish, and the duty of every applicant for certification of eligibility for a parish contract or program, to cooperate with the Inspector General in any investigation, audit, inspection, performance review, or hearing pursuant to Jefferson Parish Code of Ordinances Section 2-155.10(19). By submitting a bid, vendor acknowledges this and will abide by all provisions of the referenced Jefferson Parish Code of Ordinances.

DATE: 5/10/2017

Page: 5

BID NO.: 50-00119704

BID FORM
Non Public Works

All Public Work Projects are required to use the Louisiana Uniform Public Work Bid Form

All prices must be held firm unless an escalation provision is requested in this bid. Jefferson Parish will allow one escalation during the term of the contract, which may not exceed the U.S. Bureau of Labor Statistics National Index for all Urban Consumers, unadjusted 12 month figure. The most recently published figure issued at the time an adjustment is requested will be used. A request must be made in writing by the vendor, and the escalation will only be applied to purchases made after the request is made.

Are you requesting an escalation provision?

YES _____ NO ☒

MAXIMUM ESCALATION PERCENTAGE REQUESTED _____ %

INITIAL BID PRICES WILL REMAIN FIRM THROUGH THE DATE OF _____

For the purposes of comparison of bids when an escalation provision is requested, Jefferson Parish will apply the maximum escalation percentage quoted by the bidder to the period to which it is applied in the bid. The initial price and the escalation will be used to calculate the total bid price. It will be assumed, for comparison of prices only, that an equal amount of material or labor is purchased each month throughout the entire contract.

DELIVERY: FOB JEFFERSON PARISH

INDICATE DELIVERY DATE ON EQUIPMENT AND SUPPLIES

Stock - 3 weeks

LOUISIANA CONTRACTOR'S LICENSE NO.: (if applicable) _____

THIS SECTION MUST BE COMPLETED BY BIDDER:

FIRM NAME: _____

**Ferguson Enterprises
DBA Louisiana Utilities Supply
901 S Leblanc Rd, Suite 206
Metairie LA 70001**

ADDRESS: _____

CITY, STATE: _____ ZIP: _____

TELEPHONE: 504/831-1106 FAX: 504/831-4179

EMAIL ADDRESS: Cathy.McCarthy@ferguson.com

In the event that addenda are issued with this bid, bidders MUST acknowledge all addenda on the bid form. Bidder must acknowledge receipt of an addendum on the bid form as indicated. Failure to acknowledge any addendum on the bid form will result in bid rejection.

Acknowledge Receipt of Addenda: NUMBER: 1 5/24/17

NUMBER: 2 5/25/17

NUMBER: _____

NUMBER: _____

TOTAL PRICE OF ALL BID ITEMS: \$ 259,614.64

AUTHORIZED SIGNATURE: Cathy A. McCarthy

Cathy A. McCarthy

Printed Name

TITLE: Salesperson

SIGNING INDICATES YOU HAVE READ AND COMPLY WITH THE INSTRUCTIONS AND CONDITIONS.

NOTE: All bids should be returned with the BID NUMBER and BID OPENING DATE indicated on the outside of the envelope submitted to the Purchasing Department.

DATE: 5/10/2017

INVITATION TO BID FROM JEFFERSON PARISH - continued

Page 6

BID NO.: 50-00119704

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
1	2.00	EA	ONE (1) YEAR CONTRACT FOR A SUPPLY OF COUPLINGS, RESTRAINING DEVICES, AND THE RELATED GASKETS FOR THE JEFFERSON PARISH DEPARTMENT OF PUBLIC WORKS WATER & SEWER & ALL J.P. AGENCIES AND MUNICIPALITIES 0010 3 INCH FLANGE RESTRAINER PART #1003 (38418)	18.50	37.00
2	2.00	EA	0020 4 INCH FLANGE RESTRAINER PART #1004 (38417)	25.00	50.00
3	2.00	EA	0030 6 INCH FLANGE RESTRAINER PART #1006 (38415)	26.80	53.60
4	2.00	EA	0040 8 INCH FLANGE RESTRAINER PART #1008 (38416)	37.40	74.80
5	2.00	EA	0050 10 INCH FLANGE RESTRAINER PART #1010 (38419)	65.00	130.00
6	2.00	EA	0060 12 INCH FLANGE RESTRAINER PART #1012 (38411)	76.00	152.00
7	2.00	EA	0070 14 INCH FLANGE RESTRAINER PART #1014 (38412)	173.00	346.00
8	2.00	EA	0080 16 INCH FLANGE RESTRAINER PART #1016 (38413)	216.00	432.00
9	2.00	EA	0090 18 INCH FLANGE RESTRAINER PART #1018 (38424)	245.00	490.00
10	2.00	EA	0100 20 INCH FLANGE RESTRAINER PART #1020 (38420)	294.00	588.00
11	2.00	EA	0110 24 INCH FLANGE RESTRAINER PART #1024 (38414)	396.00	792.00
12	2.00	EA	0120 4 INCH BELL RESTRAINT HARNESS C900 SPLIT SERRATED RING	32.50	65.00

DATE: 5/10/2017

Page 7

INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00119704

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
13	16.00	EA	PART #1504 (51240) 0130 6 INCH BELL RESTRAINT HARNESS C900 SPLIT SERRATED RING	38.70	619.20
14	2.00	EA	PART #1506 (51241) 0140 8 INCH BELL RESTRAINT HARNESS C900 SPLIT SERRATED RING	56.40	112.80
15	2.00	EA	PART #1508 (51242) 0150 4 INCH BELL RESTRAINT HARNESS C900 SERRATED & NON-SERRATED RING	35.70	71.40
16	2.00	EA	PART #1604 0160 6 INCH BELL RESTRAINT HARNESS C900 SERRATED & NON-SERRATED RING	41.60	83.20
17	2.00	EA	PART #1606 (51241A) 0170 8 INCH BELL RESTRAINT HARNESS C900 SERRATED & NON-SERRATED RING	63.30	126.60
18	2.00	EA	PART #1608 (51242A) 0180 10 INCH BELL RESTRAINT HARNESS C900 SERRATED & NON-SERRATED RING	109.00	218.00
19	2.00	EA	PART #1610 (51243) 0190 4 INCH BELL RESTRAINT HARNESS D.I. PART #1704	31.20	62.40
20	2.00	EA	0200 6 INCH BELL RESTRAINT HARNESS D.I. PART #1706	46.50	93.00
21	1.00	EA	0210 8 INCH BELL RESTRAINT HARNESS D.I. PART #1708	58.00	58.00
22	2.00	EA	0220 10 INCH BELL RESTRAINT HARNESS D.I. PART #1710 (51254)	102.00	204.00
23	2.00	EA	0230 12 INCH BELL RESTRAINT HARNESS D.I. PART #1712	123.00	246.00

DATE: 5/10/2017

Page 8

INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00119704

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
24	2.00	EA	0240 14 INCH BELL RESTRAINT HARNESS D.I. PART #1714	202.40	404.80
25	2.00	EA	0250 16 INCH BELL RESTRAINT HARNESS D.I. PART #1716 (51253)	231. ⁰⁰	462. ⁰⁰
26	2.00	EA	0260 18 INCH BELL RESTRAINT HARNESS D.I. PART #1718	248. ⁰⁰	496. ⁰⁰
27	2.00	EA	0270 20 INCH BELL RESTRAINT HARNESS D.I. PART #1720	347. ⁰⁰	694. ⁰⁰
28	2.00	EA	0280 24 INCH BELL RESTRAINT HARNESS D.I. PART #1724	450. ⁰⁰	900. ⁰⁰
29	2.00	EA	0290 30 INCH BELL RESTRAINT HARNESS D.I. PART #1730	898. ⁰⁰	1796. ⁰⁰
30	2.00	EA	0300 36 INCH BELL RESTRAINT HARNESS D.I. PART #1736	1270. ⁰⁰	2540. ⁰⁰
31	2.00	EA	0310 1.5 INCH FLANGE COUPLING ADAPTER EPOXY COATED; PART #2100-0213-260 (17980)	89.40	178.80
32	2.00	EA	0320 2 INCH FLANGE COUPLING ADAPTER EPOXY COATED; PART #2100-0303-260 (17981)	95.60	191.20
33	2.00	EA	0330 3 INCH FLANGE COUPLING ADAPTER EPOXY COATED; PART #2100-0433-260 (17982)	136. ⁰⁰	272. ⁰⁰
34	24.00	EA	0340 4 INCH FLANGE COUPLING ADAPTER EPOXY COATED; PART #2100-0563-260 (17984)	174. ⁰⁰	4176. ⁰⁰
35	12.00	EA	0350 6 INCH FLANGE COUPLING ADAPTER EPOXY COATED; PART #2100-0768-260	222. ⁰⁰	2664. ⁰⁰

DATE: 5/10/2017

Page 9

INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00119704

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
36	16.00	EA	(17985) 0360 8 INCH FLANGE COUPLING ADAPTER EPOXY COATED; PART #2100-0984-260	303.00	4848.00
37	2.00	EA	(17986) 0370 10 INCH FLANGE COUPLING ADAPTER EPOXY COATED; PART #2100-1226-260	507.00	1014.00
38	2.00	EA	(17988) 0380 12 INCH FLANGE COUPLING ADAPTER EPOXY COATED; PART #2100-1366-260	589.00	1178.00
39	2.00	EA	(17989) 0390 12 INCH FLANGE COUPLING ADAPTER EPOXY COATED; PART #2100-1441-260	589.00	1178.00
40	2.00	EA	(17990) 0400 3 INCH FLANGE COUPLING ADAPTER TEFLON COATED; PART #2103 (17999A)	74.00	148.00
41	2.00	EA	0410 4 INCH FLANGE COUPLING ADAPTER TEFLON COATED; PART #2104 (18000A)	74.00	148.00
42	2.00	EA	0420 6 INCH FLANGE COUPLING ADAPTER TEFLON COATED; PART #2106 (18001A)	106.00	212.00
43	2.00	EA	0430 8 INCH FLANGE COUPLING ADAPTER TEFLON COATED; PART #2108 (18002A)	159.00	318.00
44	2.00	EA	0440 10 INCH FLANGE COUPLING ADAPTER TEFLON COATED; PART #2110 (18003A)	233.00	466.00
45	2.00	EA	0450 12 INCH FLANGE COUPLING ADAPTER TEFLON COATED; PART #2112 (18004A)	291.00	582.00
46	2.00	EA	0460 14 INCH FLANGE COUPLING ADAPTER TEFLON COATED; PART #2114 (18005A)	452.00	904.00
47	2.00	EA	0470 16 INCH FLANGE COUPLING ADAPTER TEFLON COATED; PART #2116 (18006A)	665.00	1330.00

DATE: 5/10/2017

Page 10

INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00119704

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
48	2.00	EA	0480 18 INCH FLANGE COUPLING ADAPTER TEFLON COATED; PART #2118 (18015A)	760. ⁰⁰	1520. ⁰⁰
49	2.00	EA	0490 20 INCH FLANGE COUPLING ADAPTER TEFLON COATED; PART #2120 (18016A)	849. ⁰⁰	1698. ⁰⁰
50	2.00	EA	0500 24 INCH FLANGE COUPLING ADAPTER TEFLON COATED; PART #2124 (18017A)	1040. ⁰⁰	2080. ⁰⁰
51	2.00	EA	0510 30 INCH FLANGE COUPLING ADAPTER TEFLON COATED; PART #2130 (18018A)	1361. ⁰⁰	2722. ⁰⁰
52	2.00	EA	0520 36 INCH FLANGE COUPLING ADAPTER TEFLON COATED; PART #2136 (18019A)	2128. ⁰⁰	4256. ⁰⁰
53	2.00	EA	0530 42 INCH FLANGE COUPLING ADAPTER TEFLON COATED; PART #2142 (18014A)	5830. ⁰⁰	11,660. ⁰⁰
54	2.00	EA	0540 48 INCH FLANGE COUPLING ADAPTER TEFLON COATED; PART #2148 (18013A)	7447. ⁰⁰	14,894. ⁰⁰
55	36.00	EA	0550 1.5 INCH TRANSITION COUPLING PART #2000-0213-260 (18019)	73.60	2649.60
56	60.00	EA	0560 2 INCH TRANSITION COUPLING PART #2000-0303-260 (18020)	77.60	4656. ⁰⁰
57	48.00	EA	0570 4 INCH TRANSITION COUPLING PART #2000-0563-260 (18031)	131. ⁰⁰	6288. ⁰⁰
58	250.00	EA	0580 6 INCH TRANSITION COUPLING PART #2000-0768-260 (18041)	173. ⁰⁰	43,250. ⁰⁰
59	150.00	EA	0590 8 INCH TRANSITION COUPLING PART #2000-0984-260 (18151)	196. ⁰⁰	29,400. ⁰⁰
60	30.00	EA	0600 10 INCH TRANSITION COUPLING PART #2000-1226-260 (18079)	269. ⁰⁰	8070. ⁰⁰

DATE: 5/10/2017

Page 11

INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00119704

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
61	24.00	EA	0610 12 INCH TRANSITION COUPLING PART #2000-1441-260 (18155)	363. ⁰⁰	8712. ⁰⁰
62	2.00	EA	0620 14 INCH TRANSITION COUPLING PART #2000-1710-260 (18297A)	768. ⁰⁰	1536. ⁰⁰
63	2.00	EA	0630 16 INCH TRANSITION COUPLING PART #2000-1920-260 (18299)	798. ⁰⁰	1596. ⁰⁰
64	2.00	EA	0640 18 INCH TRANSITION COUPLING PART #2000-2160-260 (18300)	932. ⁰⁰	1864. ⁰⁰
65	2.00	EA	0650 20 INCH TRANSITION COUPLING PART #2000-2360-260 (18308)	1005. ⁰⁰	2010. ⁰⁰
66	2.00	EA	0660 3 INCH JOINT RESTRAINER (D.I.) PART # 1103 DEC (51799)	20.80	41.60
67	2.00	EA	0670 4 INCH JOINT RESTRAINER (D.I.) PART # 1104 DEC (51800)	23.55	47.10
68	24.00	EA	0680 6 INCH JOINT RESTRAINER (D.I.) PART # 1106 DEC (51801)	29.70	712.80
69	1.00	EA	0690 8 INCH JOINT RESTRAINER (D.I.) PART # 1108 DEC (51802)	38.50	38.50
70	2.00	EA	0700 10 INCH JOINT RESTRAINER (D.I.) PART # 1110 DEC (51803)	54. ⁰⁰	108. ⁰⁰
71	1.00	EA	0710 12 INCH JOINT RESTRAINER (D.I.) PART # 1112 DEC (51804)	72. ⁰⁰	72. ⁰⁰
72	2.00	EA	0720 14 INCH JOINT RESTRAINER (D.I.) PART # 1114 DEC (51805)	88. ⁰⁰	176. ⁰⁰
73	2.00	EA	0730 16 INCH JOINT RESTRAINER (D.I.) PART # 1116 DEC (51806)	128. ⁰⁰	256. ⁰⁰

DATE: 5/10/2017

Page 12

INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00119704

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
74	2.00	EA	0740 18 INCH JOINT RESTRAINER (D.I.) PART # 1118 DEC (51807)	148. ⁰⁰	296. ⁰⁰
75	6.00	EA	0750 20 INCH JOINT RESTRAINER (D.I.) PART # 1120 DEC (51808)	181. ⁰⁰	1086. ⁰⁰
76	2.00	EA	0760 24 INCH JOINT RESTRAINER (D.I.) PART # 1124 DEC (51809)	249. ⁰⁰	498. ⁰⁰
77	1.00	EA	0770 30 INCH JOINT RESTRAINER (D.I.) PART # 1130 DEC (51810)	568. ⁰⁰	568. ⁰⁰
78	1.00	EA	0780 36 INCH JOINT RESTRAINER (D.I.) PART # 1136 DEC (51811)	732. ⁰⁰	732. ⁰⁰
79	2.00	EA	0790 42 INCH JOINT RESTRAINER (D.I.) PART # 1142 DEC (51812)	1099. ⁰⁰	2198. ⁰⁰
80	2.00	EA	0800 48 INCH JOINT RESTRAINER (D.I.) PART # 1148 DEC (51813)	1388. ⁰⁰	2776. ⁰⁰
81	2.00	EA	0810 3 INCH JOINT RESTRAINER (C900) PART # 2003PEC (51819)	23. ⁰⁰	46. ⁰⁰
82	120.00	EA	0820 4 INCH JOINT RESTRAINER (C900) PART # 2004PEC (51820)	26.25	3150. ⁰⁰
83	300.00	EA	0830 6 INCH JOINT RESTRAINER (C900) PART # 2006PEC (51821)	33.70	10,110. ⁰⁰
84	200.00	EA	0840 8 INCH JOINT RESTRAINER (C900) PART # 2008PEC (51822)	44. ⁰⁰	8800. ⁰⁰
85	2.00	EA	0850 10 INCH JOINT RESTRAINER (C900) PART # 2010PEC (51823)	74. ⁰⁰	148. ⁰⁰
86	2.00	EA	0860 12 INCH JOINT RESTRAINER (C900) PART # 2012PEC (51824)	78.80	157.60

DATE: 5/10/2017

Page 13

INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00119704

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
87	2.00	EA	0870 14 INCH JOINT RESTRAINER (C900) PART # 2014PEC (51825)	121. ⁰⁰	242. ⁰⁰
88	2.00	EA	0880 16 INCH JOINT RESTRAINER (C900) PART # 2016PEC (51826)	155. ⁰⁰	310. ⁰⁰
89	2.00	EA	0890 18 INCH JOINT RESTRAINER (C900) PART # 2018PEC (51827)	184. ⁰⁰	368. ⁰⁰
90	2.00	EA	0900 20 INCH JOINT RESTRAINER (C900) PART # 2020PEC (51828)	223. ⁰⁰	446. ⁰⁰
91	4.00	EA	0910 24 INCH JOINT RESTRAINER (C900) PART # 2024PEC (51829)	269. ⁰⁰	1076. ⁰⁰
92	1.00	EA	0920 30 INCH JOINT RESTRAINER (C900) PART # 2030PEC (51830)	700. ⁰⁰	700. ⁰⁰
93	1.00	EA	0930 36 INCH JOINT RESTRAINER (C900) PART # 2036PEC (51831)	869. ⁰⁰	869. ⁰⁰
94	8.00	EA	0940 PIPE SIZE 6 INCH TRANSITION GASKET NOM (51132)	2.50	20.00
95	2.00	EA	0950 PIPE SIZE 8 INCH TRANSITION GASKET NOM (51133)	3.60	7.20
96	2.00	EA	0960 PIPE SIZE 10 INCH TRANSITION GASKET NOM (51134)	4.50	9.00
97	2.00	EA	0970 PIPE SIZE 12 INCH TRANSITION GASKET NOM (51135)	5.00	10.00
98	2.00	EA	0980 PIPE SIZE 3 INCH MECHANICAL JOINT GASKET; NOM: O.D. 4.875 INCH (51220)	1.75	3.50
99	2.00	EA	0990 PIPE SIZE 4 INCH MECHANICAL JOINT GASKET; NOM: O.D. 4.80 INCH (51221)	1.75	3.50

DATE: 5/10/2017

INVITATION TO BID FROM JEFFERSON PARISH - continued

Page 14

BID NO.: 50-00119704

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
100	60.00	EA	1000 PIPE SIZE 6 INCH MECHANICAL JOINT GASKET; NOM: O.D. 6.90 INCH (51222)	1.75	105.00
101	2.00	EA	1010 PIPE SIZE 8 INCH MECHANICAL JOINT GASKET; NOM: O.D. 9.05 INCH (51223)	2.10	4.20
102	2.00	EA	1020 PIPE SIZE 10 INCH MECHANICAL JOINT GASKET; NOM: O.D. 11.10 INCH (51224)	2.82	5.64
103	2.00	EA	1030 PIPE SIZE 12 INCH MECHANICAL JOINT GASKET; NOM: O.D. 13.20 INCH (51225)	3.50	7.00
104	2.00	EA	1040 PIPE SIZE 14 INCH MECHANICAL JOINT GASKET; NOM: O.D. 15.30 INCH (51226)	6.00	12.00
105	2.00	EA	1050 PIPE SIZE 16 INCH MECHANICAL JOINT GASKET; NOM: O.D. 17.40 INCH (51227)	6.00	12.00
106	2.00	EA	1060 PIPE SIZE 18 INCH MECHANICAL JOINT GASKET; NOM: O.D. 19.50 INCH (51228)	7.00	14.00
107	2.00	EA	1070 PIPE SIZE 20 INCH MECHANICAL JOINT GASKET; NOM: O.D. 21.60 INCH (51229)	7.50	15.00
108	2.00	EA	1080 PIPE SIZE 24 INCH MECHANICAL JOINT GASKET; NOM: O.D. 25.80 INCH (51230)	9.50	19.00
109	2.00	EA	1090 PIPE SIZE 30 INCH MECHANICAL JOINT GASKET; NOM: O.D. 32.00 INCH (51231)	22.50	45.00
110	2.00	EA	1100 PIPE SIZE 36 INCH MECHANICAL JOINT GASKET; NOM: O.D. 38.30 INCH (51232)	25.80	51.60
111	2.00	EA	1110 PIPE SIZE 42 INCH MECHANICAL JOINT GASKET; NOM: O.D. 44.50 INCH (51233)	53.00	106.00
112	2.00	EA	1120 PIPE SIZE 48 INCH MECHANICAL JOINT GASKET; NOM: O.D. 50.80 INCH (51234)	56.00	112.00

DATE: 5/10/2017

Page 15

INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00119704

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
113	288.00	EA	1130 PIPE LUBRICANT (50180)	3.25	936. ⁰⁰
114	2.00	EA	1140 4 INCH DUCTILE IRON BODY TRANSITIONAL COUPLINGS 4 - 12 INCHES (NON-RESTRAINED)	253. ⁰⁰	506. ⁰⁰
115	2.00	EA	1150 6 INCH DUCTILE IRON BODY TRANSITIONAL COUPLINGS 4 - 12 INCHES (BIB-RESTRAINED)	304. ⁰⁰	608. ⁰⁰
116	2.00	EA	1160 8 INCH DUCTILE IRON BODY TRANSITIONAL COUPLINGS 4 - 12 INCHES (NON-RESTRAINED)	333. ⁰⁰	666. ⁰⁰
117	2.00	EA	1170 10 INCH DUCTILE IRON BODY TRANSITIONAL COUPLINGS 4 - 12 INCHES (NON-RESTRAINED)	403. ⁰⁰	806. ⁰⁰
118	2.00	EA	1180 12 INCH DUCTILE IRON BODY TRANSITIONAL COUPLINGS 4 - 12 INCHES (NON-RESTRAINED)	458. ⁰⁰	916. ⁰⁰
119	24.00	EA	1190 14 INCH X 12 INCH REDUCING COUPLING HYMAX #861560315035316 (18156)	1570. ⁰⁰	37,680. ⁰⁰

Item Code	Description	
ZF2-C3	3 ZIP FLANGE EQ. UAC200-3	SIGMA
ZF2-C4	4 ZIP FLANGE EQ. UAC200-4	SIGMA
ZF2-C6	6 ZIP FLANGE EQ. UAC200-6	SIGMA
ZF2-C8	8 ZIP FLANGE EQ. UAC200-8	SIGMA
ZF2-C10	10 ZIP FLANGE EQ. UAC200-10	SIGMA
ZF2-C12	12 ZIP FLANGE EQ. UAC200-12	SIGMA
ZF4-C14	14 ZIP FLANGE EQ. UAC400-14	SIGMA
ZF4-C18	18 ZIP FLANGE EQ. UAC400-18	SIGMA
ZF4-C16	16 ZIP FLANGE EQ. UAC400-16	SIGMA
ZF4-C20	20 ZIP FLANGE EQ. UAC400-20	SIGMA
ZF4-C24	24 ZIP FLANGE EQ. UAC400-24	SIGMA
PWP-C4	4 PV-LOK RSTR C900 BELL JT	SIGMA
PWP-C6	6 PV-LOK RSTR C900 BELL JT	SIGMA
PWP-C8	8 PV-LOK RSTR C900 BELL JT	SIGMA
UFR1355C4RBU	4" C900 RESTRAINT	FORD
UFR1355C6RBU	6" C900 RESTRAINT	FORD
UFR1355C8RBU	8" C900 RESTRAINT	FORD
UFR1355C10RBU	10" C900 RESTRAINT	FORD
SLDEH4	4 WDG RSTR HARNESS DI PIPE	SIGMA
SLDEH6	6 WDG RSTR HARNESS DI PIPE	SIGMA
SLDEH8	8 WDG RSTR HARNESS DI PIPE	SIGMA
SLDEH10	10 WDG RSTR HARNESS DI PIPE	SIGMA
SLDEH12	12 WDG RSTR HARNESS DI PIPE	SIGMA
SLDEH14	14 WDG RSTR HARNESS DI PIPE	SIGMA
SLDEH16	16 WDG RSTR HARNESS DI PIPE	SIGMA
SLDEH18	18 WDG RSTR HARNESS DI PIPE	SIGMA
SLDEH20	20 WDG RSTR HARNESS DI PIPE	SIGMA
SLDEH24	24 WDG RSTR HARNESS DI PIPE	SIGMA
SLDEH30	30 WDG RSTR HARNESS DI PIPE	SIGMA
SLDEH36	36 WDG RSTR HARNESS DI PIPE	SIGMA
21000213260	1.5 FLG ADAPTER	KRAUSZ
21000303260	2 FLG ADAPTER	KRAUSZ
21000433260	3 FLG ADAPTER	KRAUSZ
21000563260	4 FLG ADAPTER	KRAUSZ
21000768260	6 FLG ADAPTER	KRAUSZ
21000984260	8 FLG ADAPTER	KRAUSZ
21001226260	10 FLG ADAPTER	KRAUSZ
21001441260	12 FLG ADAPTER	KRAUSZ
21001441260	12 FLG ADAPTER	KRAUSZ
2103	3" MEGA FLG	EBAA
2104	4" MEGA FLG	EBAA
2106	6" MEGA FLG	EBAA
2108	8" MEGA FLG	EBAA
2110	10" MEGA FLG	EBAA
2112	12" MEGA FLG	EBAA
2114	14" MEGA FLG	EBAA

2116 16" MEGA FLG	EBAA
2118 18" MEGA FLG	EBAA
2120 20" MEGA FLG	EBAA
2124 24" MEGA FLG	EBAA
2130 30" MEGA FLG	EBAA
2136 36" MEGA FLG	EBAA
2142 42" MEGA FLG	EBAA
2148 48" MEGA FLG	EBAA
20000213260 1.5 HYMAX CPLG	KRAUSZ
20000303260 2" HYMAX CPLG	KRAUSZ
20000768260 4" HYMAX CPLG	KRAUSZ
20000984260 6" HYMAX CPLG	KRAUSZ
20001226260 10" HYMAX CPLG	KRAUSZ
20001441260 12" HYMAX CPLG	KRAUSZ
20001710260 14" HYMAX CPLG	KRAUSZ
20001920260 16" HYMAX CPLG	KRAUSZ
20002160260 18" HYMAX CPLG	KRAUSZ
20002360260 20" HYMAX CPLG	KRAUSZ
UFR1400DAP3RBI 3" DI RESTRAINT	FORD
UFR1400DAP4RBI 4 DI RESTRAINT	FORD
UFR1400DAP6RBI 6 DI RESTRAINT	FORD
UFR1400DAP8RBI 8 DI RESTRAINT	FORD
UFR1400DAP10RB 10 DI RESTRAINT	FORD
UFR1400DAP12RB 12 DI RESTRAINT	FORD
UFR1400DAP14RB 14 DI RESTRAINT	FORD
UFR1400DAP16RB 16 DI RESTRAINT	FORD
UFR1400DAP18RB 18 DI RESTRAINT	FORD
UFR1400DAP20RB 20 DI RESTRAINT	FORD
UFR1400DAP24RB 24 DI RESTRAINT	FORD
UFR1400DAP30RB 30 DI RESTRAINT	FORD
UFR1400DAP36RB 36 DI RESTRAINT	FORD
UFR1400DAP42RB 42 DI RESTRAINT	FORD
UFR1400DAP48RB 48 DI RESTRAINT	FORD
UFR1500SAP3RBI 3 PVC RESTRAINT	FORD
UFR1500SAP4RBI 4 PVC RESTRAINT	FORD
UFR1500SAP6RBI 6 PVC RESTRAINT	FORD
UFR1500SAP8RBI 8 PVC RESTRAINT	FORD
UFR1500SAP10RBI 10 PVC RESTRAINT	FORD
UFR1500SAP12RBI 12 PVC RESTRAINT	FORD
UFR1500SAP14RBI 14 PVC RESTRAINT	FORD
UFR1500SAP16RBI 16 PVC RESTRAINT	FORD
UFR1500SAP18RBI 18 PVC RESTRAINT	FORD
UFR1500SAP20RBI 20 PVC RESTRAINT	FORD
UFR1500SAP24RBI 24 PVC RESTRAINT	FORD
UFR1500SAP30RBI 30 PVC RESTRAINT	FORD
UFR1500SAP36RBI 36 PVC RESTRAINT	FORD
TG6 6 MJ TRANS RUBBER GSKT	SIGMA

TG8	8 MJ TRANS RUBBER GSKT	SIGMA
TG10	10 MJ TRANS RUBBER GSKT	SIGMA
TG12	12 MJ TRANS RUBBER GSKT	SIGMA
MG3	3 MJ RUBBER GASKET	SIGMA
MG4	4 MJ RUBBER GASKET	SIGMA
MG6	6 MJ RUBBER GASKET	SIGMA
MG8	8 MJ RUBBER GASKET	SIGMA
MG10	10 MJ RUBBER GASKET	SIGMA
MG12	12 MJ RUBBER GASKET	SIGMA
MG14	14 MJ RUBBER GASKET	SIGMA
MG16	16 MJ RUBBER GASKET	SIGMA
MG18	18 MJ RUBBER GASKET	SIGMA
MG20	20 MJ RUBBER GASKET	SIGMA
MG24	24 MJ RUBBER GASKET	SIGMA
MG30	30 MJ RUBBER GASKET	SIGMA
MG36	36 MJ RUBBER GASKET	SIGMA
MG42	42 MJ RUBBER GASKET	SIGMA
MG48	48 MJ RUBBER GASKET	SIGMA
PLB-G	PIPE JOINT LUBE	SIGMA
MACRO4	4" MACRO	ROMAC
MACRO6	6" MACRO	ROMAC
MACRO8	8" MACRO	ROMAC
MACRO10	10" MACRO	ROMAC
MACRO12	12" MACRO	ROMAC

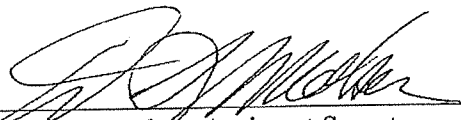
**SECRETARIAL CERTIFICATE
OF
AUTHORIZATION**

The undersigned Assistant Secretary of Ferguson Enterprises, Inc., a Virginia corporation (the "Corporation"), hereby certifies that: i) certain of the Corporation's facilities in the State of Louisiana are doing business as Louisiana Utilities Supply Company and ii) Cathy McCarthy is the Outside Salesperson of the New Orleans, Louisiana area and iii) that the resolutions adopted by the Corporation's Board of Directors effective July 31, 2015, duly authorize certain of the Corporation's officers, including the Assistant Secretary, to designate, and I hereby do so designate Cathy McCarthy as an authorized representative of the Corporation to act for and on behalf of the Corporation to prepare and submit bids and proposals, to enter into contracts, agreements or other documents, and to execute such documents and undertake all such acts as may be deemed in the best interest of the Corporation, including the execution of bonds and in doing so, to contractually bind the Corporation. Unless withdrawn sooner, this certification of authorization shall be effective until July 31, 2017.

Dated: July 22, 2016

FERGUSON ENTERPRISES, INC.

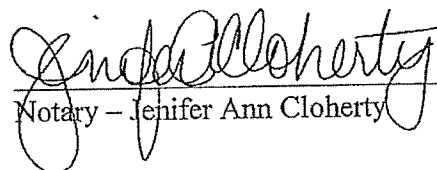


By: 
David N. Meeker, Assistant Secretary

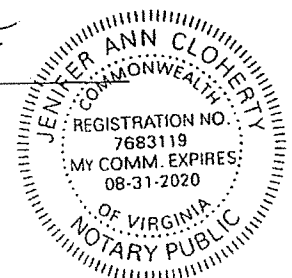
Commonwealth of Virginia)

City of Newport News)

Sworn to subscribed and acknowledged before me this 22nd day of July, 2016, by David N. Meeker, personally known to me, in his capacity as Assistant Secretary of Ferguson Enterprises, Inc., a Virginia corporation, on behalf of such corporation.


Notary – Jenifer Ann Cloherty

My commission expires: August 31, 2020



CORPORATE RESOLUTION

EXCERPT FROM MINUTES OF MEETING OF THE BOARD OF DIRECTORS OF

INCORPORATED.

AT THE MEETING OF DIRECTORS OF _____
INCORPORATED, DULY NOTICED AND HELD ON _____,
A QUORUM BEING THERE PRESENT, ON MOTION DULY MADE AND SECONDED. IT
WAS:

RESOLVED THAT _____, BE AND IS HEREBY
APPOINTED, CONSTITUTED AND DESIGNATED AS AGENT AND ATTORNEY-IN-
FACT OF THE CORPORATION WITH FULL POWER AND AUTHORITY TO ACT ON

~~BEHALF OF THIS CORPORATION IN ALL NEGOTIATIONS, BIDDING, CONCERNS~~
AND TRANSACTIONS WITH THE PARISH OF JEFFERSON OR ANY OF ITS AGENCIES,
DEPARTMENTS, EMPLOYEES OR AGENTS, INCLUDING BUT NOT LIMITED TO, THE
EXECUTION OF ALL BIDS, PAPERS, DOCUMENTS, AFFIDAVITS, BONDS, SURETIES,
CONTRACTS AND ACTS AND TO RECEIVE ALL PURCHASE ORDERS AND NOTICES
ISSUED PURSUANT TO THE PROVISIONS OF ANY SUCH BID OR CONTRACT, THIS
CORPORATION HEREBY RATIFYING, APPROVING, CONFIRMING, AND ACCEPTING
EACH AND EVERY SUCH ACT PERFORMED BY SAID AGENT AND ATTORNEY-IN-
FACT.

I HEREBY CERTIFY THE FOREGOING TO BE
A TRUE AND CORRECT COPY OF AN
EXCERPT OF THE MINUTES OF THE ABOVE
DATED MEETING OF THE BOARD OF
DIRECTORS OF SAID CORPORATION, AND
THE SAME HAS NOT BEEN REVOKED OR
RESCINDED.

SECRETARY-TREASURER

DATE

Non-Public Works Bid Affidavit Instructions

- Affidavit is supplied as a courtesy to Affiants, but it is the responsibility of the affiant to insure the affidavit they submit to Jefferson Parish complies, in both form and content, with federal, state and parish laws.
- Affidavit must be signed by an authorized representative of the entity or the affidavit will not be accepted.
- ~~Affidavit must be notarized or the affidavit will not be accepted.~~
- Notary must sign name, print name, and include bar/notary number, or the affidavit will not be accepted.
- Affiant **MUST** select either A or B when required or the affidavit will not be accepted.
- Affiants who select choice A must include an attachment or the affidavit will not be accepted.
- If both choice A and B are selected, the affidavit will not be accepted.
- Affidavit marked N/A will not be accepted.
- It is the responsibility of the Affiant to submit a new affidavit if any additional campaign contributions are made after the affidavit is executed but prior to the time the council acts on the matter.

Instruction sheet may be omitted when submitting the affidavit

COPY

Non-Public Works Bid

AFFIDAVIT

STATE OF LA

PARISH/COUNTY OF Jefferson

BEFORE ME, the undersigned authority, personally came and appeared: Cathy A
McCarthy, (Affiant) who after being by me duly sworn, deposed and said that

he/she is the fully authorized Salesperson of

Ferguson Enterprises
DBA Louisiana Utilities Supply
901 S. Labarre Rd, Suite 206
Metairie LA 70001

the party who submitted a bid in response to Bid Number 50119704, to the Parish of

Jefferson.

Affiant further said:

Campaign Contribution Disclosures

(Choose A or B, if option A is indicated please include the required attachment):

Choice A _____

Attached hereto is a list of all campaign contributions, including the date and amount of each contribution, made to current or former elected officials of the Parish of Jefferson by Entity, Affiant, and/or officers, directors and owners, including employees, owning 25% or more of the Entity during the two-year period immediately preceding the date of this affidavit or the current term of the elected official, whichever is greater. Further, Entity, Affiant, and/or Entity Owners have not made any contributions to or in support of current or former members of the Jefferson Parish Council or the Jefferson Parish President through or in the name of another person or legal entity, either directly or indirectly.

Choice B ☒ _____

there are **NO** campaign contributions made which would require disclosure under Choice A of this section.

Debt Disclosures

(Choose A or B, if option A is indicated please include the required attachment):

Choice A _____ Attached hereto is a list of all debts owed by the affiant to any elected or appointed official of the Parish of Jefferson, and any and all debts owed by any elected or appointed official of the Parish to the Affiant.

Choice B ✓ _____ There are NO debts which would require disclosure under Choice A of this section.

Affiant further said:

~~That Affiant has employed no person, corporation, firm, association, or other~~
organization, either directly or indirectly, to secure the public contract under which he received payment, other than persons regularly employed by the Affiant whose services in connection with the construction, alteration or demolition of the public building or project or in securing the public contract were in the regular course of their duties for Affiant; and

[The remainder of this page is intentionally left blank.]

That no part of the contract price received by Affiant was paid or will be paid to any person, corporation, firm, association, or other organization for soliciting the contract, other than the payment of their normal compensation to persons regularly employed by the Affiant whose services in connection with the construction, alteration or demolition of the public building or project were in the regular course of their duties for Affiant.

Cathy A. McCarthy
Signature of Affiant

Cathy A. McCarthy
Printed Name of Affiant

SWORN AND SUBSCRIBED TO BEFORE ME

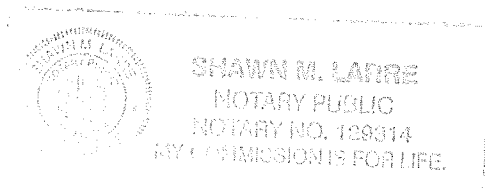
ON THE 25th DAY OF MAY, 2017.

Shawn M. Larre
Notary Public

Shawn M. Larre
Printed Name of Notary

129314
Notary/Bar Roll Number

My commission expires At Death



[Print](#)

Notary Search - Detail

Name: MS. SHAWN M. LARRE
Address: 18 STANTON HALL DR.
DESTREHAN, LA 70047
Phone: (504) 232-5337
Notary ID Number: 129314
Parish: ST. CHARLES with STATEWIDE JURISDICTION
Agency: N/A
Notary Type: Non Attorney
Status: Active
Commission Date: 03/05/2013
Oath Date: 02/28/2013
Surety Expiration Date: 03/04/2018
Annual Report Current: Yes

Notary Events

Parish Change Previous Parish: JEFFERSON Previous Commission Date: Unknown

Deceased, Inactivated, Leave of Absence, Pre-Assessment Registration, Pre-Assessment Taken, Resigned, Retirement, and Revoked events are not available prior to February 11, 2012.

[Back to Search Results](#)[New Search](#)



CERTIFICATE OF LIABILITY INSURANCE

Page 1 of 2

DATE (MM/DD/YYYY)
04/12/2017

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Willis of Pennsylvania 100 Matsonford Road Building Five, Suite 200 Radnor, PA 19087-4582	CONTACT NAME		
	PHONE (A/C, NO, EXT): 610-964-8700	FAX (A/C, NO): 610-254-5600	
	E-MAIL ADDRESS: certificates@willis.com		
	INSURER(S) AFFORDING COVERAGE	NAIC #	
INSURED Ferguson Enterprises, Inc. and Subsidiaries (See Attached Named Insured Schedule) 12500 Jefferson Avenue Newport News, VA 23602	INSURER A: National Union Fire Ins. Co. of Pittsburgh	19445-002	
	INSURER B: National Union Fire Ins. Co. of Pittsburgh	19445-000	
	INSURER C: National Union Fire Ins. Co. of Pittsburgh	19445-001	
	INSURER D: New Hampshire Insurance Company	23841-001	
	INSURER E:		
	INSURER F:		

COVERAGES

CERTIFICATE NUMBER: 25418613

REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN. THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL MSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRO-JECT <input checked="" type="checkbox"/> LOC OTHER:			GL712-9880	5/1/2017	5/1/2018	EACH OCCURRENCE \$ 2,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 1,000,000 MED EXP (Any one person) \$ 10,000 PERSONAL & ADV INJURY \$ 2,000,000 GENERAL AGGREGATE \$ 5,000,000 PRODUCTS - COM/OP AGG \$ 2,000,000 \$
B	AUTOMOBILE LIABILITY			AOS CA1921927	5/1/2017	5/1/2018	COMBINED SINGLE LIMIT (Ea accident) \$ 5,000,000
B	<input checked="" type="checkbox"/> ANY AUTO			MA CA1921928	5/1/2017	5/1/2018	BODILY INJURY (Per person) \$
C	<input type="checkbox"/> OWNED AUTOS ONLY <input checked="" type="checkbox"/> HIRED AUTOS ONLY <input checked="" type="checkbox"/> SELF-INSURED	<input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> NON-OWNED AUTOS ONLY <input checked="" type="checkbox"/> PHYSICAL DAMAGE		VA CA1921929	5/1/2017	5/1/2018	BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
	UMBRELLA LIAB	<input type="checkbox"/> OCCUR					EACH OCCURRENCE \$
	EXCESS LIAB	<input type="checkbox"/> CLAIMS-MADE					AGGREGATE \$
	DED	RETENTION \$					\$
D	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? <input type="checkbox"/> Y <input checked="" type="checkbox"/> N (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below		N/A	WC023102516	5/1/2017	5/1/2018	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTHER E.L. EACH ACCIDENT \$ 2,000,000 E.L. DISEASE - EA EMPLOYEE \$ 2,000,000 E.L. DISEASE - POLICY LIMIT \$ 2,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
See Attached for Additional Workers' Compensation Policies:

Workers' Compensation - ME
Policy No. WC023102515
Carrier: New Hampshire Insurance Company
Policy Period: 05/1/17 - 05/01/2018
Statutory
Limits:

CERTIFICATE HOLDER

CANCELLATION

EVIDENCE OF INSURANCE .	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.
	AUTHORIZED REPRESENTATIVE

Coll: 5060707 Tpl: 2142748 Cert: 25418613 © 1988-2015 ACORD CORPORATION. All rights reserved.



ADDITIONAL REMARKS SCHEDULE

Page 2 of 2

AGENCY Willis of Pennsylvania		NAMED INSURED Ferguson Enterprises, Inc. and Subsidiaries (See Attached Named Insured Schedule) 12500 Jefferson Avenue Newport News, VA 23602
POLICY NUMBER See First Page		
CARRIER See First Page	NAIC CODE	EFFECTIVE DATE: See First Page

ADDITIONAL REMARKS

THIS ADDITIONAL REMARKS FORM IS A SCHEDULE TO ACORD FORM,
 FORM NUMBER: 25 FORM TITLE: CERTIFICATE OF LIABILITY INSURANCE

EL Each Accident \$2,000,000
 EL Disease - Each Employee \$2,000,000
 EL Disease - Policy Limit \$2,000,000

Workers' Compensation - CA
 Policy No. WC023102514
 Carrier: American Home Assurance Company
 Policy Period: 05/1/2017-05/1/2018
 Statutory
 Limits:
 EL Each Accident \$2,000,000
 EL Disease - Each Employee \$2,000,000
 EL Disease - Policy Limit \$2,000,000

Workers' Compensation - FL
 Policy No. WC02310513
 Carrier: Illinois National Insurance Company
 Policy Period: 05/1/2017-05/1/2018
 Statutory
 Limits:
 EL Each Accident \$2,000,000
 EL Disease - Each Employee \$2,000,000
 EL Disease - Policy Limit \$2,000,000

Workers' Compensation - MA & WI
 Policy No. WC023102518
 Carrier: New Hampshire Insurance Company
 Policy Period: 05/1/2017-05/1/2018
 Statutory
 Limits:
 EL Each Accident \$2,000,000
 EL Disease - Each Employee \$2,000,000
 EL Disease - Policy Limit \$2,000,000

Workers' Compensation - AK, AZ, IL, KY, NC, NH, NJ, PA, UT, VA, VT
 Policy No. WC023102517
 Carrier: New Hampshire Insurance Company
 Policy Period: 05/1/2017-05/1/2018
 Statutory
 Limits:
 EL Each Accident \$2,000,000
 EL Disease - Each Employee \$2,000,000
 EL Disease - Policy Limit \$2,000,000

**Request for Taxpayer
Identification Number and Certification**

Give Form to the
requester. Do not
send to the IRS.

Name (as shown on your income tax return)
Ferguson Enterprises, Inc.
Business name/disregarded entity name, if different from above

See attached lists for DBA's and lock box remit addresses

Check appropriate box for federal tax classification:
☐ Individual/sole proprietor ☒ C Corporation ☐ S Corporation ☐ Partnership ☐ Trust/estate
☐ Limited liability company. Enter the tax classification (C=C corporation, S=S corporation, P=partnership) ▶
☐ Other (see Instructions) ▶

Exemptions (see instructions):
Exempt payee code (if any) **5**
Exemption from FATCA reporting code (if any)

Address (number, street, and apt. or suite no.)
12500 Jefferson Avenue*
City, state, and ZIP code
Newport News, VA 23602
List account number(s) here (optional)
*This is the corporate address

Requester's name and address (optional)

Part I Taxpayer Identification Number (TIN)
Enter your TIN in the appropriate box. The TIN provided must match the name given on the "Name" line to avoid backup withholding. For individuals, this is your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the Part I Instructions on page 3. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN* on page 3.
Note. If the account is in more than one name, see the chart on page 4 for guidelines on whose number to enter.

Social security number								
				-				

Employer identification number								
5	4	-	1	2	1	1	7	7

Part II Certification
Under penalties of perjury, I certify that:

- The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me), and
- I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding, and
- I am a U.S. citizen or other U.S. person (defined below), and
- The FATCA code(s) entered on this form (if any) indicating that I am exempt from FATCA reporting is correct.

Certification Instructions. You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions on page 3.

Sign Here Signature of U.S. person ▶ *Thomas Carroll* Date ▶ *7/26/12*

General Instructions

Section references are to the Internal Revenue Code unless otherwise noted.
Future developments. The IRS has created a page on IRS.gov for information about Form W-9, at www.irs.gov/w9. Information about any future developments affecting Form W-9 (such as legislation enacted after we release it) will be posted on that page.

Purpose of Form

A person who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) to report, for example, income paid to you, payments made to you in settlement of payment card and third party network transactions, real estate transactions, mortgage interest you paid, acquisition or abandonment of secured property, cancellation of debt, or contributions you made to an IRA.

Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN to the person requesting it (the requester) and, when applicable, to:

- Certify that the TIN you are giving is correct (or you are waiting for a number to be issued),
- Certify that you are not subject to backup withholding, or
- Claim exemption from backup withholding if you are a U.S. exempt payee. If applicable, you are also certifying that as a U.S. person, your allocable share of any partnership income from a U.S. trade or business is not subject to the

withholding tax on foreign partners' share of effectively connected income, and
4. Certify that FATCA code(s) entered on this form (if any) indicating that you are exempt from the FATCA reporting, is correct.

Note. If you are a U.S. person and a requester gives you a form other than Form W-9 to request your TIN, you must use the requester's form if it is substantially similar to this Form W-9.

Definition of a U.S. person. For federal tax purposes, you are considered a U.S. person if you are:

- An individual who is a U.S. citizen or U.S. resident alien,
- A partnership, corporation, company, or association created or organized in the United States or under the laws of the United States,
- An estate (other than a foreign estate), or
- A domestic trust (as defined in Regulations section 301.7701-7).

Special rules for partnerships. Partnerships that conduct a trade or business in the United States are generally required to pay a withholding tax under section 1446 on any foreign partners' share of effectively connected taxable income from such business. Further, in certain cases where a Form W-9 has not been received, the rules under section 1446 require a partnership to presume that a partner is a foreign person, and pay the section 1446 withholding tax. Therefore, if you are a U.S. person that is a partner in a partnership conducting a trade or business in the United States, provide Form W-9 to the partnership to establish your U.S. status and avoid section 1446 withholding on your share of partnership income.

**Ferguson Enterprises, Inc. and Subsidiaries.
List of Named Insureds**

Air Cold Supply	E & J Plumbing & Heating Supply Co.
Air Cold Supply/Webb Distributors	Economy Plumbing and Heating Supply Co.
Alamo Pipe & Supply	Endries International, Inc.
Alaska Pipe & Supply	Energy & Process Corporation
Andrews Lighting Gallery, Inc. (dba Andrews Lighting & Hardware Gallery)	Equarius, Inc. dba Equarius Waterworks, Meter & Automation Group
Arkansas Supply, Inc.	Factory Direct Appliance
Ar-Jay Building Products, Inc. (dba The Ar-Jay Center)	Ferguson Bath Kitchen and Lighting Gallery
Atlantic American Fire Equipment Company	Ferguson Enterprises IV, Inc.
Arkansas Supply	Ferguson Enterprises of Montana, Inc.
The Bath + Beyond	Ferguson Enterprises of Virginia, Inc.
Bruce-Rogers Company	Ferguson Enterprises V, Inc.
Build.com, Inc.	Ferguson Enterprises, Inc.
Builders Appliance Center, LLC	Ferguson Enterprises, Inc. dba WPCC Forwarding
CAL-STEAM, a Wolseley Company	Ferguson Enterprises, Inc. A Corp of Virginia
Camellia Valley Supply	Ferguson Enterprises NY – Metro, Inc.
Castle Supply Company, Inc.	Ferguson Fire & Fabrication, Inc.
CastleNorth	Ferguson Fire & Fabrication, Inc. (fka Action Fire Fab & Supply, Inc.)
Central Pipe & Supply	Ferguson Fire & Fabrication, Inc. (fka Sierra Craft, Inc.)
CFP	Ferguson Full Service Supply
Chadwick	Ferguson Heating & Cooling
City Lights Design Showroom	Ferguson Holdings, Inc.
Clawfoot Supply, LLC	Ferguson Hospitality Sales
Clayton Group, Inc.	Ferguson Industrial Plastics and Pump Division
Clayton International, LLC	Ferguson Integrated Systems Division, Inc.
Cline Contract Sales	Ferguson Intermountain Piping
Colgan Cabinets	Ferguson International
Colgan Distributors	Ferguson Process Services
Crow Company	Ferguson Valve & Automation
Custom Lighting Incorporated	Ferguson Waterworks
Custom Hardware and Accessories, Inc.	Ferguson Waterworks - Midwest Pipe
D & C Plumbing & Heating Supply	Ferguson Waterworks - Municipal Pipe
Davis & Warshow, Inc.	Ferguson Waterworks - Red Hed
Davidson Electric Wholesale Supply	Ferguson Waterworks EPPCO
The Davidson Corporation, a Delaware Corporation	Ferguson Waterworks International
The Davidson Group Companies, Inc	Frischkorn, Inc.
Davidson Group Leasing	Gabriel Scientific & Machine, LLC
Davidson Pipe Company Inc., a New York Corporation	Galleria Bath & Kitchen Showplace
Davidson Pipe Supply Company, Inc.	Gilmour Supply Company, Inc.
Davies Water	Global HVAC Distributors, Inc.
Dealernet, LLC dba Dealernet	Ferguson Enterprises, Inc. dba Groeniger
Decorative Product Source, Inc.	

Ferguson Enterprises, Inc. and Subsidiaries.
List of Named Insureds

& Company
Gulf Refrigeration Supply
High Country Plumbing Supply
Home Equipment Company, Inc.
HP Products Corporation
HP Logistics, Inc.
Indiana Plumbing Supply Co., Inc.
Industrial Hub of the Carolinas
J&G Products
J.D. Daddario Company
Joseph G. Pollard Co., Inc.
Kandall Fabricating
Karl's Appliances, A Ferguson Enterprise
Lane Piping Co.
Lawrence Plumbing Supply Co.
Lighting Unlimited, LLC
Lincoln Products
Linwood Pipe and Supply
Living Direct, Inc.
Louisiana Utilities Supply Company
Louisiana Chemical Pipe, Valve & Fitting,
Inc. dba Wolseley Industrial Group
LUSCO
Lyon Conklin & Co., Inc.
Mastercraft Cabinets
Matera Paper Company, Inc.
McFarland Supply Co., Inc.
Michigan Meter Technology
Michigan Pipe & Valve-Flint, Inc.
Michigan Pipe & Valve-Lansing, Inc.
Monotube Pile Corporation
Northern Water Works Supply, Inc.
Onda-Lay Pipe and Rental, Inc.
Page's Appliances
Palermo Supply
Park Supply
PCS Industries d/b/a HP Products Corp.
Pipe Products
Plumbing Décor
Plumb Source
Powell Pipe & Supply Company
Power Equipment Direct Inc.
P.V. Sullivan Supply Co., Inc.
R Supply Company
Ramapo Wholesalers
Record Supply Company
Redlon & Johnson
Reese Kitchen, Bath & Lighting Gallery
RenWes Sales
S.G. Supply Company
S.G. Supply Company dba SG Supply Co.,
a Ferguson Enterprise
Sierra Craft, Inc.
Signature Hardware
Ship-Pac, Inc. d/b/a HP Products Corp.
SOS Sales
Specialty Pipe & Tube, Inc.
Specialty Pipe & Tube of Texas, Inc.
Stock Loan Services LLC
Summer & Dunbar
Supply North Central Group
Tarpon Wholesale Supplies
T & A Valve Industries, Inc.
The Parnell-Martin Companies LLC
The Plumbers Warehouse
The Plumbing Source Inc.
The Stock Market
Tubeco Fabrication, Inc.
Underground Pipe & Valve Inc.
United Automatic
Water Works Supplies
Webb Distributors
Western Air Systems and Controls, Inc.
Westfield Lighting
WIA of California, Inc.
Wolseley Industrial Group
Wolseley Industrial Plastics
Wolseley Investments Acquisitions, Inc.
Wolseley Investments, Inc.
Wolseley NA Construction Services, LLC
Wolseley North America, Inc.
Wolseley North American Consulting, LLC
Wolseley North American Services, Inc.
WPCC Forwarding

STANDARD INSURANCE REQUIREMENTS – PUBLICLY ADVERTISED BIDS

All required insurance under this bid shall conform to Jefferson Parish Resolution No. 113646 or No. 113647, as applicable. Contractors may not commence any work under any ensuing contract unless and until all required insurance and associated evidentiary requirements thereto have been met, along with any additional specifications contained in the advertised bid. Except as where otherwise precluded by law, the Parish Attorney or his designee, with the concurrence of the Director of Risk Management or his designee, may agree on a case-by-case basis, to deviate from Jefferson Parish's standard insurance requirements, as provided in this Section. Vendors requesting deviation therefrom shall submit such requests in writing, along with compelling substantiation, to the Purchasing Department prior to the bid's due date. Any changes to the insurance requirements will be reflected in the bid specifications and addenda. Prior to contract execution and at all times thereafter during the term of such contract, contractors must provide and continuously maintain all coverages as required by the foregoing Resolutions, and the contract documents. Failure to do so shall be grounds for suspension, discontinuation or termination of the contract.

~~For bidding purposes, bidders must submit with bid submission a current (valid)~~ insurance certificate evidencing the required coverages. Failure to comply will cause bid to be rejected. The current insurance certificate will be used for proof of insurance at time of evaluation. Thereafter, and prior to contract execution, the low bidder will be required to provide final insurance certificates to the Parish which shall name the Jefferson Parish, its Districts Departments and Agencies under the direction of the Parish President and the Parish Council as additional insureds regarding negligence by the contractor for the Commercial General Liability, Workmen's Compensation Insurance and the Comprehensive Automobile Liability policies. Additionally, said certificates should reflect the name of the Parish Department receiving goods and services and reference the respective Jefferson Parish bid number.

JEFFERSON PARISH REQUIRED STANDARD INSURANCE

☒ WORKER'S COMPENSATION INSURANCE

As required by Louisiana State Statute, exception; Employer's Liability, Section B shall be \$1,000,000 per occurrence when Work is to be over water and involves maritime exposures to cover all employees not covered under the State Worker's Compensation Act, otherwise this limit shall be no less than \$500,000 per occurrence.

Note: If your company is not required by law to carry workmen's compensation insurance, i.e. not a Louisiana company, sole employee of the company, then bidders must request a workmen's compensation insurance declaration affidavit prior to the bid opening date. This insurance declaration affidavit must be fully completed, signed, properly notarized and submitted with the bid. A scanned copy may be submitted with the bid; however, the successful bidder must submit the original affidavit in its original format and without material alteration upon contract execution. Failure to comply will result in the bid submission being rejected as non-responsive. The Parish reserves the right to award bid to the next lowest responsive and responsible bidder in this event.

☒ **COMMERCIAL GENERAL LIABILITY**

Shall provide limits not less than the following: \$1,000,000.00 Combined Single Limit per Occurrence for bodily injury and property damage.

☒ **COMPREHENSIVE AUTOMOBILE LIABILITY**

Bodily injury liability \$1,000,000.00 each person; \$1,000,000.00 each occurrence.
Property Damage Liability \$1,000,000.00 each occurrence.

Note: This category may be omitted if bidders do not/will not utilize company vehicles for the project or do not possess company vehicles. Bidder must request an automobile insurance declaration affidavit prior to the bid opening date. This insurance declaration affidavit must be fully completed, signed, properly notarized and submitted with the bid. A scanned copy of the completed, signed and properly notarized affidavit may be submitted with the bid; however, the successful bidder must submit the original affidavit in its original format and without material alteration upon contract execution. Failure to comply will result in the bid submission being rejected as non-responsive. The Parish reserves the right to award bid to the next lowest responsive and responsible bidder in this event.

DEDUCTIBLES

No insurance required shall include a deductible not greater than \$10,000.00. The cost of the deductible shall be borne by the contractor.

NOTE: If the vendor requires a change in deductibles, the request must be submitted in writing to the Purchasing Department prior to the due date of the bid. Such request shall be reviewed by the Parish Attorney's Office with the concurrence of the Director of Risk Management.

UMBRELLA LIABILITY COVERAGE

An umbrella policy or excess may be used to meet minimum requirements.

FOR CONSTRUCTION AND RENOVATION PROJECTS:

The following are required unless otherwise specified in the bid. Such insurance is due upon contract execution.

1) OWNER'S PROTECTIVE LIABILITY

To be for the same limits of liability for bodily injury and property damage liability established for commercial general liability.

2) BUILDER'S RISK INSURANCE

The contractor shall maintain Builder's Risk Insurance at his own expense to insure both the owner (Parish of Jefferson) and contractor as their interest may appear.



JEFFERSON PARISH

Department of Purchasing

Michael S. Yenni
Parish President

Brenda C. Patel
Director

May 24, 2017

ADDENDUM #1

Bid No.: 50-00119704

Bid Opening Date: May 25, 2017
Bid Opening Postponed Until: June 1, 2017

For: One (1) year contract for a supply of couplings, restraining devices and related gaskets for Jefferson Parish Department of Public Works, Water and Sewer and all Jefferson Parish agencies and municipalities

CLARIFICATION TO THE BID SPECIFICATIONS:

Question:

Last year I contested the award for this bid for a couple of reasons. One being the specification calling for 304SS nuts and bolts on the Ebaa series 2100 Megaflanges (highlighted). In the past they have always been supplied with Xylon coated nuts and bolts because SS galls. Would you be able to get clarification from the water department/warehouses to see which they were accepting on the last bid?

Answer:

The bid specifications have been revised to reflect the acceptance of Xylon or Teflon coated nuts and bolts in lieu of stainless steel nuts and bolts. This addendum hereby revises and replaces the bid specifications and is attached hereto.

QUESTIONS AND ANSWERS:

Question:

Item # 113 Pipe Lubricant what size are you asking for? Is this gallons?

Answer:

Line item 113 should be CHANGED TO READ AS:

QUANTITY	U/M	DESCRIPTION OF ARTICLES
24	CS	1130 PIPE LUBRICANT (50180) (12 QUARTS PER CASE)

General Government Bldg. – 200 Derbigny St – Suite 4400 – Gretna, LA 70053
Office 504.364.2678 – Fax 504.364.2693
Email: Purchasing@jeffparish.net Website: www.jeffparish.net



JEFFERSON PARISH

Department of Purchasing

Michael S. Yenni
Parish President

Brenda C. Patel
Director

Question:

Item # 119 Hymax 14x12 Reducing Coupling? Can you tell me what OD Range you are looking for?

Answer:

Large O.D. range 13.90-16.00, small O.D. range 12.40-13.66

THE BID OPENING DATE HAS BEEN POSTPONED UNTIL JUNE 1, 2017, AT 2:00 P.M.

Sincerely,

Daphne Nelson

Daphne Nelson, Buyer II
Jefferson Parish Purchasing Department

Bidders must acknowledge all addenda on the bid form. Bidder acknowledges receipt of this addendum on the bid form as indicated. Failure to do so will result in bid rejection.

This addendum is a part of the contract documents and modifies the original bidding documents and specifications. The contents of this addendum shall be included in the contract documents. Changes made by this addendum shall take precedence over the documents of earlier date.



JEFFERSON PARISH

Department of Purchasing

Michael S. Yenni
Parish President

Brenda C. Patel
Director

May 25, 2017

ADDENDUM #2

Bid No.: 50-00119704

Bid Opening Date: June 1, 2017

Bid Opening Postponed Until: June 6, 2017

For: One (1) year contract for a supply of couplings, restraining devices and related gaskets for Jefferson Parish Department of Public Works, Water and Sewer and all Jefferson Parish agencies and municipalities

CLARIFICATION:

Bid opening date has been postponed until June 6, 2017, at 2:00 p.m.

Sincerely,

Daphne Nelson

Daphne Nelson, Buyer II
Jefferson Parish Purchasing Department

Bidders must acknowledge all addenda on the bid form. Bidder acknowledges receipt of this addendum on the bid form as indicated. Failure to do so will result in bid rejection.

This addendum is a part of the contract documents and modifies the original bidding documents and specifications. The contents of this addendum shall be included in the contract documents. Changes made by this addendum shall take precedence over the documents of earlier date.

Couplings and Restraints **Contract**

Items Included In This Contract:

1. Steel Body Transitional Couplings (Non-Restrained)
2. Ductile Iron Body Transitional Couplings (Non-Restrained)
3. Flange Coupling Adapter (Non-Restrained)
4. Flange Coupling Adapter (Restrained)
5. EBAA Series 1000 E-Z Flange
6. EBAA Series 1100DEC Megalug Mechanical Joint Restraint
7. EBAA Series 1500 Split Restraint Harness For C-900 Pipe Bells And Spigot (4"-12")
8. EBAA Series 1600 Split Restraint Harness For C-900 Pipe Bells And Spigot (4"-12")
9. EBAA Series 1700 Megalug Restraint Harness For Ductile Iron Bells
10. EBAA Series 2000PEC Mechanical Joint Restraint
11. Transition Gaskets (Asbestos Cement To Cast Iron)
12. Mechanical Joint Gaskets (For Ductile Iron Pipe)
13. Pipe Lubricant

Contract Terms:

This is a one year contract for supply of couplings, restraining devices, and the related gaskets for the Department of Water and Sewer, and all Jefferson Parish agencies and municipalities.

Warranty:

Products shall be warranted that they are manufactured in accordance with the applicable material specifications and are free from defects in workmanship and materials for one year after delivery. Any defective items sold under this contract shall be replaced at no cost to the purchaser.

General Specifications:

This specification is prepared for a one (1) year contract for a supply of couplings, restraining devices and related gaskets for the Parish of Jefferson, Department of Water and Sewerage, East and West Banks.

Bid 50-00119704
Revised per Addendum #1
SP-1

The quantities shown on the proposal guide are approximate quantities to be acquired by Jefferson Parish over a one (1) year period. Actual usage will be on an "as needed" basis.

Bid price shall include all freight and delivery costs to Jefferson Parish warehouse locations on the East and West Banks of Jefferson Parish.

The successful bidder shall not substitute any items on this bid throughout the one (1) year period without the written consent of the Jefferson Parish Engineering Dept.

All technical literature must be submitted with the bid. Failure to honor such request will result in the bid being considered non-responsive.

Technical Specifications:

1. Steel Body Transition Couplings 2"-24" (Non-Restrained):

Coupling shall accommodate pipe offset up to 7/16", pipe deflection up to 8 degrees, and pipe gaps up to 7.5.

Coupling shall join pipes with difference diameters up to 1.30" (2.10" in the 16" size).

Coupling shall be of the long pattern design and meet or exceed AWWA C-219 and be NSF 61 approved.

Couplings shall have a working pressure of 260 PSI with a maximum test pressure of 390 PSI with a 1.5:1 safety factor.

- **Material:**

Transition couplings shall have a lightweight middle ring that is properly flanged with confined steel followers. Transition coupling shall have an epoxy coating of 10-12 mils in thickness.

- **Follower Track (Spanners):**

Follower track (spanners) shall be type 304 stainless steel with two (2) type 304 stainless steel carriage-type, compression bolts and nuts with corresponding stainless steel retainers (one at each end) located on the top of the coupling. Nuts shall be coated to prevent galling.

- **Gaskets:**

Gaskets shall be wide range, multi-layered EDPM peel-off hydraulically pressure assisted, superior dual seal gaskets (seals mechanically and hydraulically) for permanently sealed joints.

- **Assembly:**

Coupling shall be totally assembled as in integral unit having stab-on feature, with bolts staved to prevent disassembly and required no disassembly during installation.

Coupling shall be "Hymax" or approved equal.

2. **Ductile Iron Body Transition Couplings 4"-12" (Non-Restrained):**

Coupling shall accommodate pipe deflection up to 8 degrees (4 degrees on each end).

Coupling shall have an extended range up to 1.25".

Coupling coating shall be center ring fusion bonded epoxy in accordance with AWWA C213 and NSF 61 certified. End rings shall be e-coated epoxy.

Couplings shall have a working pressure of 260 PSI.

- **Material:**

Transition coupling components (end rings, center ring, and bolt guides) shall be ductile iron, meeting or exceeding the requirements of ASTM A536, Grade 65-45-12.

- **Follower Track (Spanners):**

Follower track (spanners) shall be type 304 stainless steel with two (2) type 304 stainless steel carriage-type, compression bolts and nuts with corresponding stainless steel retainers (one at each end) located on the top of the coupling. Nuts shall be coated to prevent galling.

- **Gaskets:**

Gaskets shall be formed from virgin nitrile butadiene rubber (NBR) compounded for water and sewer service in accordance with ASTM D2000.

- **Assembly:**

Coupling shall be totally assembled as in integral. End rings shall be segmented and joined with an integrated hinge.

Coupling shall be Macro™ by Romac or an approved equal.

3. Flanged Coupling Adapters (Non-Restrained):

Adapter shall meet or exceed AWWA c-219 and be NSF 61 approved, but shall have one compression end with one nut and bolt, and one flanged end which complies with AWWA C-207-94 or ANSI B16-5.

Please note that the 2" flanged coupling adapter shall be available in 2" oval meter flanged size.

Flanged coupling adapter shall be "Hymax Flanged Adapter" or an approved equal.

Note to Vendor:

The coating system for all restraining devices shall be mega bond by EBAA Iron, Inc. or an approved (factory applied, fusion bonded epoxy) equal.

4. Flange Coupling Adapters (Restrained) (Ductile/Cast Iron Pipe, 3"-60"; Steel Pipe, 3"-12"):

Pipe Material	DR Rating	Sizes Available
IPS OD PVC Pipe	All SDR's	3"-12"
C-900	14	4"-12"
C-900	18	4"-20"
C-900	25	4"-24"
C-900	32.5	14"-24"

For PVC pipe, the flange adapter shall have a pressure rating equal to the pipe.

For ductile iron pipe, the flange adapter shall have a safety factor of 2:1 minimum.

The flange adapter shall be UL listed 3"-12" for above and below ground use on schedule 40 steel pipes, and below-ground on all classes of listed ductile iron pipe.

The flange adapter shall be FM approved for use on C-900 Class 150 (DR-18) and class 200 (DR-14 PVC pipe, 4"-12", and on all classes of listed ductile iron pipe, and for above ground flanged pipe systems (treatment plants, pumping stations, or underground).

- **Restrained Gland And Gasket Ring:**
The flange adapter restrained gland and gasket ring shall be made of grade 60-42-12 ductile iron, which exceeds the minimum requirements of ASTM A-536-84, and shall have flange bolts circles that are compatible with ANSI/AWWA C-115/1-21.15. The flange adapter gasket ring shall be fusion-bonded epoxy coated inside and out.
- **Flange Adapter Restraint Ring:**
The flange adapter restraint ring shall consist of a plurality of individual actuated gripping wedges to maximize restraint capability. Torque-limiting actuated screws shall be used to ensure proper initial set of the gripping wedges.
- **Assembly:**
The flange adapter shall be capable of deflecting during assembly, or permit lengths of pipe to be field cut to allow a minimum of 0.6" of gap through 2.0" of gap (depending on pipe diameter) between the end of the pipe and the mating flange without affecting the integrity of the seal.
- **Nuts and Bolts:**
The flange adapters shall be furnished with type Xylan or Teflon coated machined bolts and nuts.

Flange adapter shall be EBAA Series 2100 "Megaflange" adapter, or an approved equal.

5. EBAA Series 1000 E-Z Flange:

The flange adapter shall be used in lieu of threaded or welded flanges on plain end ductile iron and steel pipe.

These flanges shall be cast from 60-42-10 ductile iron per ASTM A536 and shall have bolt circles and bolt holes to meet ANSI/AWWA C100/A21.10.

These flanges shall contain set screws made from ductile iron which have a Rockwell hardness of C40-45 converted from Brinnell.

Flange adapters shall be as manufactured by EBAA Iron, Inc. or an approved equal.

6. Series 1100DEC Megalug Mechanical Joint Restraint:

The wedges shall be ductile iron heat treated to a minimum hardness of 370 BHN. Dimensions of the gland shall be such that it can replace the standardized mechanical joint gland, and can be used with the standardized mechanical joint bell conforming to ANSI/AWWA C111/a21.11 and ANSI/AWWA C153/A.21.53 of the latest revision.

The mechanical joint restraint shall be available in the 3" through 48" sizes. They shall have a rated working pressure of 350 PSI in sizes 16" and smaller and 250 PSI in sizes 18" through 48" with 2 to 1 minimum safety factor. The devices shall be listed by Underwriter's Laboratories up through 24" size and approved by factory mutual up through 12" size.

All restraints shall be packaged. The package is to include the gland, EBAA-seal improved mechanical joint gasket and adequate lubricate for gasket lubrication, necessary quantity, size and length of t-bolts and nuts made from a low-alloy steel conforming to AWWA C-111 and be blue flora polymer coated equal to xylon coating.

The EBAA-seal gasket shall deflect 30% during assembly of the mechanical joint, improving sealing capabilities and shall meet in design and material, ANSI/AWWA C110/A21.10, C111/A21.11 or C153/A21.53, section 11-6.4 or latest revision.

The restraint shall be the series 110DEC Megalug restraint produced by EBAA Iron, Inc. or approved equal.

- **Mechanical Joint Restraint For Ductile Iron Pipe:**

Mechanical joint restraint for ductile iron pipe shall be incorporated into the design of the follower gland. The restraining mechanism shall consist of a plurality of individual actuated wedges that increase their resistance to pullout as internal pressure or external forces increase; the device shall be capable of full mechanism joint deflection during assembly and the flexibility of the joint shall be maintained after burial. The joint restraint ring and its wedging components shall be made of grade 60-42-12 ductile iron, which exceeds minimum requirements of ASTM A536-84.

- **Flange Adapter Restraint Ring:**

The flange adapter restraint ring shall consist of a plurality of individual actuated gripping wedges to maximize restraint capability. Torque-limiting actuated screws shall be used to ensure proper initial set of the gripping wedges.

- **Assembly:**

The flange adapter shall be capable of deflecting during assembly, or permit lengths of pipe to be field cut to allow a minimum of 0.6" of gap through 2.0" of gap (depending on pipe diameter) between the end of the pipe and the mating flange without affecting the integrity of the seal.

- **Nuts and Bolts:**

The flange adapters shall be furnished with type Xylan or Teflon coated machined bolts and nuts.

7. Series 1500 Split Restraint Harness For C-900 Pipe Bells and Spigot (4"-12"):

All rings and components shall be made of grade 60-42-12 ductile iron, which exceeds minimum requirements of ASTM A536. A split ring shall be utilized behind the pipe bell. A split serrated ring shall be utilized to grip the pipe.

- **Tie Bolts:**

A sufficient quantity, size and length of tie bolts which shall be made from a low-alloy steel conforming to AWWA C111. Tie bolts shall be used to connect the bell ring and gripping ring.

- **Side Bolts:**

The side bolts shall be grade 5 machine bolts and be blue flora polymer coated equal to xylon coating.

- **Harness Restraint Device:**

The harness restraint device shall have a minimum working pressure rating of 150 psi, and be tested with a minimum of 4 to 1 safety factor. All sizes shall be FM approved for class 150 (DR 18) PVC pipe. All sizes rated to 200 PSI class 200 (DR 14) PVC pipe shall have a 3 to 1 safety factor, and shall be EBAA Series 1500 or an approved equal.

8. Series 1600 Split Restraint Harness For C-900 Pipe Bells And Spigot (4"-12"):

All rings and components shall be made of grade 60-42-12 ductile iron, which exceeds minimum requirements of ASTM A536. A split ring shall be utilized behind the pipe bell. A split serrated ring shall be utilized to grip the pipe.

- **Tie Bolts:**

A sufficient quantity, size and length of tie bolts which shall be made from a low-alloy steel conforming to AWWA C111. Tie bolts shall be used to connect the bell ring and gripping ring.

- **Side Bolts:**

The side bolts shall be grade 5 machine bolts and be blue flora polymer coated equal to xylon coating.

- **Harness Restraint Device:**

The harness restraint device shall have a minimum working pressure rating of 150 PSI, and be tested with a minimum of 4 to 1 safety factor. All sizes shall be FM approved for class 150 (DR 18) PVC pipe. All sizes rated to 200 PSI class 200 (DR 14) PVC pipe shall have a 3 to 1 safety factor, and shall be EBAA series 1600 or an approved equal.

9. Series 1700 Megalug Restraint Harness for Ductile Iron Bells:

Ductile iron pipe bell restraint shall consist of a wedge action restraint ring on the spigot and joined to a ductile iron pipe follower gland behind the bell. The restraint ring shall have individually-actuated wedges that increase their resistance to pull out as pressure or external forces increases.

- **Restraint Ring and Wedging Components:**

The restraint ring and its wedging components shall be made of ductile iron grade 60-42-12, which exceeds minimum requirements of ASTM A536.

- **Wedges:**

The wedges shall be heat-treated to a minimum hardness of 370 BHN. Torque limiting twist off nuts shall be used to ensure proper actuation of the restraining wedges.

- **Follower Gland:**

The follower gland shall be made of the same grade ductile iron as previously mentioned. The connecting tie rods that join the two rings shall be of low alloy steel, which conforms to ANSI/AWWA C111/A21.11.

- **Assembly:**

The assembly shall have a rated pressure with a minimum 2:1 safety factor for 350 PSI in sizes 16" and below, and 250 psi in sizes 18" through 36".

- **Harness:**

Harness shall be series 1700 Megalug restraint harness manufacture by EBAA Iron, or an approved equal.

- **Nuts and Bolts:**

The flange adapters shall be furnished with type Xylan or Teflon coated machined bolts and nuts.

10. Series 2000 PEC Mechanical Joint Restraint:

The mechanical joint restraint shall be available in 3" through 36" sizes. The restraining joint gland shall have a pressure rating and safety factor equal to that of the pipe on which it is used.

Mechanical joint restraint for PVC pipe shall be incorporated into the design of the follower gland. The restraint mechanism shall consist of a plurality of individually-actuated gripping wedges that increases their resistance to pullout as internal pressure or external forces increase. This evenly distributes the thrust forces around the circumference of the pipe, and is for use on all sizes of IPS diameter PVC pipe in 3" through 12" sizes, and all sizes of AWWA C-900

and C-905 pipe (4"through 36"). The device shall be capable of full mechanical joint deflection during assembly and flexibility of the joint shall be maintained after burial. The joint restraint ring and its wedging components shall be made of grade 60-42-12 ductile iron, which exceeds minimum requirements of ASTM A536.

Dimensions of the gland shall be such that it replaces the standardized mechanical joint gland and can be used with the standardized mechanical joint bell conforming to ANSI/AWWA C111/A21.11 and ANSI/AWWA C153/A21.53 of latest revision. Torque limiting twist off nuts shall be used to insure proper actuating of restraining wedges.

- **Restraining Gland:**

The restraining glands shall have been tested to ASTM F1674, and all sizes shall be rated at the full pressure capacity of the pipe. The mechanical joint restraint shall be listed by Underwriter's Laboratories, and approved by factory mutual (4"-12").

- **Packaging:**

All restraints shall be packaged. The package is to include gland, EBAA-seal(tm) improved mechanical joint gasket with adequate lubricant for gasket, necessary quantity, size and length of t-bolts and nuts made from a low-alloy steel conforming to AWWA C111 and be blue flora polymer coated equal to xylon coating.

- **EBAA-Seal™ Gasket:**

The EBAA-Seal™ gasket shall deflect 30% during assembly of the mechanical joint improving sealing capabilities and shall meet in design and material the ANSI/AWWA C110/A21.10, C111/A21.11, or C153/A21.53, section 11-6.4 or latest revision.

The restraint shall be the series 2000 PEC Megalug restraint produced by EBAA Iron, Inc. or approved equal.

11. Transition Gaskets (Asbestos Cement to Cast Iron):

Transition gaskets shall go from asbestos cement (ac) size down to cast iron size to be used on potable water and sewer lines, made from virgin SBR rubber material for use in salty and acidic soils with a temperature range of -65 degrees to 180 degrees Fahrenheit. Transition gaskets shall conform to the latest revision of ASTM D2000 3 BA715 to work with class 100, 150, and 200 machined "AC" pipe and ductile iron pipe Class 53.

Transition gaskets shall be manufactured by Romac Industries or an approved equal.

12. Mechanical Joint Gaskets (For Ductile Iron Pipe):

Mechanical joint gaskets for ductile iron pipe shall be used on potable water and sewer lines. Virgin SBR rubber material for the use in salty and acidic soils with a temperature range of -40 degrees to 150 degrees Fahrenheit, meet or exceed ASTM D2000 3 BA715, and to fit ANSI/AWWA A21.11/C111 and ANSI/AWWA A21.53/C153 latest revision standard, 250 PSI working pressure.

13. Pipe Lubricant:

Pipe lubricant shall be used for potable and waste water applications. Pipe lubricant shall be non-toxic, odorless, tasteless, and not be able to support bacterial growth. Lubricant shall come in one quart containers and be used to assemble "push-on" pipe and fittings.



CENTRALBIDDING
FROM CENTRAL AUCTION HOUSE

**5000119704 ONE (1) YEAR CONTRACT FOR A SUPPLY OF COUPLINGS,
RESTRAINING DEVICES AND RELATED GASKETS**
Jefferson Parish Government

Project documents obtained from www.CentralBidding.com

17-May-2017 12:13:51 PM



JEFFERSON PARISH

Department of Purchasing

Michael S. Yenni
Parish President

Brenda C. Patel
Director

CHANGES TO JEFFERSON PARISH BIDDING PROCEDURES

The East bank Office of Purchasing is now open! We are located in the Joseph S. Yenni Building, 1221 Elmwood Park Blvd., Suite 404, Jefferson, LA 70123. Bidders may submit bid responses at this location, pending authorization in each bid package. **Bidders should carefully read and must respond accordingly per the requirements of the bid packages. NOTE: Bidders submitting bids on the day of bid opening, bidders must submit at the West Bank location only.**

Other Changes Continued:

- For all advertised bids, corporate resolutions and/or written evidence of signature authority must be included with bid submission.
- Effective June 1, 2017, bidders may no longer send bid responses via facsimile, as some bid solicitations may provide. Vendors responding to bid solicitations may only submit via USPS, courier service, hand delivery or via online by registering free of charge at www.jeffparishbids.net. For more information, please contact the Purchasing Department or visit jeffparish.net.
- Current W9 Forms and vendor applications may be submitted at any time; however, if your company is not registered and/or a current W-9 form is not on file, a current W-9 form must be supplied upon contract execution, should you be awarded a contract and/or issued a purchase order.
- Upon contract execution, successful bidder must continue producing final insurance certificates per standard Jefferson Parish insurance requirements. Proof of insurance is required for bidding purposes. Bidders must read the insurance requirements attachment included in each bid package for specific instructions.

Bidders should reference the "Additional Requirements" section of the bid instructions and/or the "Important Notice to Bidders" included in the bid package for specific requirements to respond accordingly.

For more information, please call Jefferson Parish Purchasing at 504-364-2678.

General Government Bldg. – 200 Derbligny St – Suite 4400 - Gretna, LA 70053

Office 504.364.2678 – Fax 504.364.2693

Email: Purchasing@jeffparish.net Website: www.jeffparish.net

Couplings and Restraints

Contract

Items Included In This Contract:

1. Steel Body Transitional Couplings (Non-Restrained)
2. Ductile Iron Body Transitional Couplings (Non-Restrained)
3. Flange Coupling Adapter (Non-Restrained)
4. Flange Coupling Adapter (Restrained)
5. EBAA Series 1000 E-Z Flange
6. EBAA Series 1100DEC Megalug Mechanical Joint Restraint
7. EBAA Series 1500 Split Restraint Harness For C-900 Pipe Bells And Spigot (4"-12")
8. EBAA Series 1600 Split Restraint Harness For C-900 Pipe Bells And Spigot (4"-12")
9. EBAA Series 1700 Megalug Restraint Harness For Ductile Iron Bells
10. EBAA Series 2000PEC Mechanical Joint Restraint
11. Transition Gaskets (Asbestos Cement To Cast Iron)
12. Mechanical Joint Gaskets (For Ductile Iron Pipe)
13. Pipe Lubricant

Contract Terms:

This is a one year contract for supply of couplings, restraining devices, and the related gaskets for the Department of Water and Sewer, and all Jefferson Parish agencies and municipalities.

Warranty:

Products shall be warranted that they are manufactured in accordance with the applicable material specifications and are free from defects in workmanship and materials for one year after delivery. Any defective items sold under this contract shall be replaced at no cost to the purchaser.

General Specifications:

This specification is prepared for a one (1) year contract for a supply of couplings, restraining devices and related gaskets for the Parish of Jefferson, Department of Water and Sewerage, East and West Banks.

The quantities shown on the proposal guide are approximate quantities to be acquired by Jefferson Parish over a one (1) year period. Actual usage will be on an "as needed" basis.

Bid price shall include all freight and delivery costs to Jefferson Parish warehouse locations on the East and West Banks of Jefferson Parish.

The successful bidder shall not substitute any items on this bid throughout the one (1) year period without the written consent of the Jefferson Parish Engineering Dept.

All technical literature must be submitted with the bid. Failure to honor such request will result in the bid being considered non-responsive.

Technical Specifications:

1. Steel Body Transition Couplings 2"-24" (Non-Restrained):

Coupling shall accommodate pipe offset up to 7/16", pipe deflection up to 8 degrees, and pipe gaps up to 7.5.

Coupling shall join pipes with difference diameters up to 1.30" (2.10" in the 16" size).

Coupling shall be of the long pattern design and meet or exceed AWWA C-219 and be NSF 61 approved.

Couplings shall have a working pressure of 260 PSI with a maximum test pressure of 390 PSI with a 1.5:1 safety factor.

- **Material:**

Transition couplings shall have a lightweight middle ring that is properly flanged with confined steel followers. Transition coupling shall have an epoxy coating of 10-12 mils in thickness.

- **Follower Track (Spanners):**

Follower track (spanners) shall be type 304 stainless steel with two (2) type 304 stainless steel carriage-type, compression bolts and nuts with corresponding stainless steel retainers (one at each end) located on the top of the coupling. Nuts shall be coated to prevent galling.

- **Gaskets:**

Gaskets shall be wide range, multi-layered EDPM peel-off hydraulically pressure assisted, superior dual seal gaskets (seals mechanically and hydraulically) for permanently sealed joints.

- **Assembly:**

Coupling shall be totally assembled as in integral unit having stab-on feature, with bolts staved to prevent disassembly and required no disassembly during installation.

Coupling shall be "Hymax" or approved equal.

2. **Ductile Iron Body Transition Couplings 4"-12" (Non-Restrained):**

Coupling shall accommodate pipe deflection up to 8 degrees (4 degrees on each end).

Coupling shall have an extended range up to 1.25".

Coupling coating shall be center ring fusion bonded epoxy in accordance with AWWA C213 and NSF 61 certified. End rings shall be e-coated epoxy.

Couplings shall have a working pressure of 260 PSI.

- **Material:**

Transition coupling components (end rings, center ring, and bolt guides) shall be ductile iron, meeting or exceeding the requirements of ASTM A536, Grade 65-45-12.

- **Follower Track (Spanners):**

Follower track (spanners) shall be type 304 stainless steel with two (2) type 304 stainless steel carriage-type, compression bolts and nuts with corresponding stainless steel retainers (one at each end) located on the top of the coupling. Nuts shall be coated to prevent galling.

- **Gaskets:**

Gaskets shall be formed from virgin nitrile butadiene rubber (NBR) compounded for water and sewer service in accordance with ASTM D2000.

- **Assembly:**

Coupling shall be totally assembled as in integral. End rings shall be segmented and joined with an integrated hinge.

Coupling shall be Macro™ by Romac or an approved equal.

3. Flanged Coupling Adapters (Non-Restrained):

Adapter shall meet or exceed AWWA c-219 and be NSF 61 approved, but shall have one compression end with one nut and bolt, and one flanged end which complies with AWWA C-207-94 or ANSI B16-5.

Please note that the 2" flanged coupling adapter shall be available in 2" oval meter flanged size.

Flanged coupling adapter shall be "Hymax Flanged Adapter" or an approved equal.

Note to Vendor:

The coating system for all restraining devices shall be mega bond by EBAA Iron, Inc. or an approved (factory applied, fusion bonded epoxy) equal.

4. Flange Coupling Adapters (Restrained) (Ductile/Cast Iron Pipe, 3"-60"; Steel Pipe, 3"-12"):

Pipe Material	DR Rating	Sizes Available
IPS OD PVC Pipe	All SDR's	3"-12"
C-900	14	4"-12"
C-900	18	4"-20"
C-900	25	4"-24"
C-900	32.5	14"-24"

For PVC pipe, the flange adapter shall have a pressure rating equal to the pipe.

For ductile iron pipe, the flange adapter shall have a safety factor of 2:1 minimum.

The flange adapter shall be UL listed 3"-12" for above and below ground use on schedule 40 steel pipes, and below-ground on all classes of listed ductile iron pipe.

The flange adapter shall be FM approved for use on C-900 Class 150 (DR-18) and class 200 (DR-14 PVC pipe, 4"-12", and on all classes of listed ductile iron pipe, and for above ground flanged pipe systems (treatment plants, pumping stations, or underground).

- **Restrained Gland And Gasket Ring:**

The flange adapter restrained gland and gasket ring shall be made of grade 60-42-12 ductile iron, which exceeds the minimum requirements of ASTM A-536-84, and shall have flange bolts circles that are compatible with ANSI/AWWA C-115/1-21.15. The flange adapter gasket ring shall be fusion-bonded epoxy coated inside and out.

- **Flange Adapter Restraint Ring:**

The flange adapter restraint ring shall consist of a plurality of individual actuated gripping wedges to maximize restraint capability. Torque-limiting actuated screws shall be used to ensure proper initial set of the gripping wedges.

- **Assembly:**

The flange adapter shall be capable of deflecting during assembly, or permit lengths of pipe to be field cut to allow a minimum of 0.6" of gap through 2.0" of gap (depending on pipe diameter) between the end-of-the-pipe-and-the-mating-flange-without-affecting-the-integrity-of-the-seal:

- **Nuts and Bolts:**

The flange adapters shall be furnished with type 304 stainless steel machined bolts and nuts.

Flange adapter shall be EBAA Series 2100 "Megaflange" adapter, or an approved equal.

5. **EBAA Series 1000 E-Z Flange:**

The flange adapter shall be used in lieu of threaded or welded flanges on plain end ductile iron and steel pipe.

These flanges shall be cast from 60-42-10 ductile iron per ASTM A536 and shall have bolt circles and bolt holes to meet ANSI/AWWA C100/A21.10.

These flanges shall contain set screws made from ductile iron which have a Rockwell hardness of C40-45 converted from Brinnell.

Flange adapters shall be as manufactured by EBAA Iron, Inc. or an approved equal.

6. **Series 1100DEC Megalug Mechanical Joint Restraint:**

The wedges shall be ductile iron heat treated to a minimum hardness of 370 BHN. Dimensions of the gland shall be such that it can replace the standardized mechanical joint gland, and can be used with the standardized mechanical joint bell conforming to ANSI/AWWA C111/a21.11 and ANSI/AWWA C153/A.21.53 of the latest revision.

The mechanical joint restraint shall be available in the 3" through 48" sizes. They shall have a rated working pressure of 350 PSI in sizes 16" and smaller and 250 PSI in sizes 18" through 48" with 2 to 1 minimum safety factor. The devices shall be listed by Underwriter's Laboratories up through 24" size and approved by factory mutual up through 12" size.

All restraints shall be packaged. The package is to include the gland, EBAA-seal improved mechanical joint gasket and adequate lubricate for gasket lubrication, necessary quantity, size and length of t-bolts and nuts made from a low-alloy steel conforming to AWWA C-111 and be blue flora polymer coated equal to xylon coating.

The EBAA-seal gasket shall deflect 30% during assembly of the mechanical joint, improving sealing capabilities and shall meet in design and material, ANSI/AWWA C110/A21.10, C111/A21.11 or C153/A21.53, section 11-6.4 or latest revision.

The restraint shall be the series 110DEC Megalug restraint produced by EBAA Iron, Inc. or approved equal.

- **Mechanical Joint Restraint For Ductile Iron Pipe:**

Mechanical joint restraint for ductile iron pipe shall be incorporated into the design of the follower gland. The restraining mechanism shall consist of a plurality of individual actuated wedges that increase their resistance to pullout as internal pressure or external forces increase; the device shall be capable of full mechanism joint deflection during assembly and the flexibility of the joint shall be maintained after burial. The joint restraint ring and its wedging components shall be made of grade 60-42-12 ductile iron, which exceeds minimum requirements of ASTM A536-84.

- **Flange Adapter Restraint Ring:**

The flange adapter restraint ring shall consist of a plurality of individual actuated gripping wedges to maximize restraint capability. Torque-limiting actuated screws shall be used to ensure proper initial set of the gripping wedges.

- **Assembly:**

The flange adapter shall be capable of deflecting during assembly, or permit lengths of pipe to be field cut to allow a minimum of 0.6" of gap through 2.0" of gap (depending on pipe diameter) between the end of the pipe and the mating flange without affecting the integrity of the seal.

- **Nuts and Bolts:**

The flange adapters shall be furnished with type 304 stainless steel machined bolts and nuts.

7. **Series 1500 Split Restraint Harness For C-900 Pipe Bells and Spigot (4"-12"):**

All rings and components shall be made of grade 60-42-12 ductile iron, which exceeds minimum requirements of ASTM A536. A split ring shall be utilized behind the pipe bell. A split serrated ring shall be utilized to grip the pipe.

- **Tie Bolts:**

A sufficient quantity, size and length of tie bolts which shall be made from a low-alloy steel conforming to AWWA C111. Tie bolts shall be used to connect the bell ring and gripping ring.

- **Side Bolts:**

The side bolts shall be grade 5 machine bolts and be blue flora polymer coated equal to xylon coating.

- **Harness Restraint Device:**

The harness restraint device shall have a minimum working pressure rating of 150 psi, and be tested with a minimum of 4 to 1 safety factor. All sizes shall be FM approved for class 150 (DR 18) PVC pipe. All sizes rated to 200 PSI class 200 (DR 14) PVC pipe shall have a 3 to 1 safety factor, and shall be EBAA Series 1500 or an approved equal.

8. **Series 1600 Split Restraint Harness For C-900 Pipe Bells And Spigot (4"-12"):**

All rings and components shall be made of grade 60-42-12 ductile iron, which exceeds minimum requirements of ASTM A536. A split ring shall be utilized behind the pipe bell. A split serrated ring shall be utilized to grip the pipe.

- **Tie Bolts:**

A sufficient quantity, size and length of tie bolts which shall be made from a low-alloy steel conforming to AWWA C111. Tie bolts shall be used to connect the bell ring and gripping ring.

- **Side Bolts:**

The side bolts shall be grade 5 machine bolts and be blue flora polymer coated equal to xylon coating.

- **Harness Restraint Device:**

The harness restraint device shall have a minimum working pressure rating of 150 PSI, and be tested with a minimum of 4 to 1 safety factor. All sizes shall be FM approved for class 150 (DR 18) PVC pipe. All sizes rated to 200 PSI class 200 (DR 14) PVC pipe shall have a 3 to 1 safety factor, and shall be EBAA series 1600 or an approved equal.

9. **Series 1700 Megalug Restraint Harness for Ductile Iron Bells:**

Ductile iron pipe bell restraint shall consist of a wedge action restraint ring on the spigot and joined to a ductile iron pipe follower gland behind the bell. The restraint ring shall have individually-actuated wedges that increase their resistance to pull out as pressure or external forces increases.

- **Restraint Ring and Wedging Components:**

The restraint ring and its wedging components shall be made of ductile iron grade 60-42-12, which exceeds minimum requirements of ASTM A536.

- **Wedges:**

The wedges shall be heat-treated to a minimum hardness of 370 BHN. Torque limiting twist off nuts shall be used to ensure proper actuation of the restraining wedges.

- **Follower Gland:**

The follower gland shall be made of the same grade ductile iron as previously mentioned. The connecting tie rods that join the two rings shall be of low alloy steel, which conforms to ANSI/AWWA C111/A21.11.

- **Assembly:**

The assembly shall have a rated pressure with a minimum 2:1 safety factor for 350 PSI in sizes 16" and below, and 250 psi in sizes 18" through 36".

- **Harness:**

Harness shall be series 1700 Megalug restraint harness manufacture by EBAA Iron, or an approved equal.

10. Series 2000 PEC Mechanical Joint Restraint:

The mechanical joint restraint shall be available in 3" through 36" sizes. The restraining joint gland shall have a pressure rating and safety factor equal to that of the pipe on which it is used.

Mechanical joint restraint for PVC pipe shall be incorporated into the design of the follower gland. The restraint mechanism shall consist of a plurality of individually-actuated gripping wedges that increases their resistance to pullout as internal pressure or external forces increase. This evenly distributes the thrust forces around the circumference of the pipe, and is for use on all sizes of IPS diameter PVC pipe in 3" through 12" sizes, and all sizes of AWWA C-900 and C-905 pipe (4"through 36"). The device shall be capable of full mechanical joint deflection during assembly and flexibility of the joint shall be maintained after burial. The joint restraint ring and its wedging components shall be made of grade 60-42-12 ductile iron, which exceeds minimum requirements of ASTM A536.

Dimensions of the gland shall be such that it replaces the standardized mechanical joint gland and can be used with the standardized mechanical joint bell conforming to ANSI/AWWA C111/A21.11 and ANSI/AWWA C153/A21.53 of latest revision. Torque limiting twist off nuts shall be used to insure proper actuating of restraining wedges.

- **Restraining Gland:**

The restraining glands shall have been tested to ASTM F1674, and all sizes shall be rated at the full pressure capacity of the pipe. The mechanical joint restraint shall be listed by Underwriter's Laboratories, and approved by factory mutual (4"-12").

- **Packaging:**

All restraints shall be packaged. The package is to include gland, EBAA-seal(tm) improved mechanical joint gasket with adequate lubricant for gasket, necessary quantity, size and length of t-bolts and nuts made from a low-alloy steel conforming to AWWA C111 and be blue flora polymer coated equal to xylon coating.

- **EBAA-Seal™ Gasket:**

The EBAA-Seal™ gasket shall deflect 30% during assembly of the mechanical joint improving sealing capabilities and shall meet in design and material the ANSI/AWWA C110/A21.10, C111/A21.11, or C153/A21.53, section 11-6.4 or latest revision.

The restraint shall be the series 2000 PEC Megalug restraint produced by EBAA Iron, Inc. or approved equal.

11. Transition Gaskets (Asbestos Cement to Cast Iron):

Transition gaskets shall go from asbestos cement (ac) size down to cast iron size to be used on potable water and sewer lines, made from virgin SBR rubber material for use in salty and acidic soils with a temperature range of -65 degrees to 180 degrees Fahrenheit. Transition gaskets shall conform to the latest revision of ASTM D2000 3 BA715 to work with class 100, 150, and 200 machined "AC" pipe and ductile iron pipe Class 53.

Transition gaskets shall be manufactured by Romac Industries or an approved equal.

12. Mechanical Joint Gaskets (For Ductile Iron Pipe):

Mechanical joint gaskets for ductile iron pipe shall be used on potable water and sewer lines. Virgin SBR rubber material for the use in salty and acidic soils with a temperature range of -40 degrees to 150 degrees Fahrenheit, meet or exceed ASTM D2000 3 BA715, and to fit ANSI/AWWA A21.11/C111 and ANSI/AWWA A21.53/C153 latest revision standard, 250 PSI working pressure.

13. Pipe Lubricant:

Pipe lubricant shall be used for potable and waste water applications. Pipe lubricant shall be non-toxic, odorless, tasteless, and not be able to support bacterial growth. Lubricant shall come in one quart containers and be used to assemble "push-on" pipe and fittings.



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Location: **METAIRIE > Louisiana > USA**
Name: **CATHY MCCARTHY**
Email: **CATHY.MCCARTHY@FERGUSON.COM**
Address: **901 S LABARRE ROAD**
Zip code: **70001**
Contact number: **5048341106**
Official Company/Business Name: **FERGUSON ENT DBA LOUISIANA UTILITIES
SUPPLY CO**

Are you registered with the
State of Louisiana as a
Disadvantaged Business
Enterprise (DBE)?: **No**

Is your company owned
my a female?: **No**

Is your company owned by
a minority?: **No**

Louisiana Contractor ID#:

NIGP Codes: (Commodity
code categories) **20019 - Disposable Clothing (See Class 475 for Hospital
Type)**
20085 - Uniforms, Blended Fabric
**20165 - Rainwear (Raincoats, Hats, Slicker Suits, Storm
Suits, Umbrellas, etc.)**
**28712 - Batteries and Hardware For Electronic Equipment
(Including Recycled Types)**
34556 - Hats and Helmets, Safety (Incl. Fire Helmets)
34564 - Head, Ear, Eye and Face Protection
**34578 - Recycled First Aid and Safety Equipment and
Supplies**
**34579 - Reflective Safety Apparel and Accessories (See
345-08 for Non-Reflective Type)**
**34580 - Respiratory Protection Equipment and Parts
(Including CPAP Equipment and Parts)**
34590 - Vests, Life

34592 - Vests, Safety
39330 - Beverages, Thirst Quenching, w/Electrolyte
44508 - Blades, Hand Saw (Non-Powered)
44509 - Blades: Handsaw, (Powered) Circular, and Reciprocating (For Powered and Non-Powered Portable Saws)
44527 - Drills, Hand, Portable, (Powered), Automatic
44542 - Knives, Utility and Pen (All Types) and Accessories
44543 - Hoes, Leaf Loaders, Rakes, Council Tools, Weed Cutters, etc.
44546 - Levels, Chalk Lines, Chalk Line Refills, etc.
44551 - Pick-up Tools, Magnetic
44552 - Pliers, All Kinds (Except Stock Tagging)
44558 - Saws (Non-Powered): Hack, Keyhole, Pruning, Pole, etc.
44564 - Screwdrivers, All Kinds
44581 - Tool Holders (Collets, etc.)(See 445-45 for Tool Pouches)
44582 - Tool Sets, All Kinds
44585 - Trowels and Floats, All Kinds
45087 - Water Bags, Cans, Jugs, and Kegs
47013 - Anatomical Braces and Supports: Arm Slings, Back Supports, Torso Supports, Neck Braces, Trusses, etc.
48675 - Receptacle Liners: Vinyl and Steel (See 665-24 For Plastic Type), Including Biodegradable, Environmentally Certified Products
55078 - Traffic Cones, Lane Markers, and Barricades (Portable)
63064 - Paint, Spray (Aerosol)
66524 - Bags and Liners, Plastic: Garbage Can Liners, Janitor Cart Liners, Linen Hamper Liners, Litter Bags, Polyethylene Bags, etc., Including Biodegradable
66544 - Landfill Liners
66580 - Polyethylene Film, Reinforced
66582 - Shrink Film Packaging Equipment and Supplies
66583 - Stretch Film and Wrapping Equipment
66587 - Teflon Sheets and Rods
80025 - Boots, Rubber, Waders, Safety Toe
89087 - Water Treatment Equipment (Not Otherwise Classified)
91345 - Construction, Sewer and Storm Drain

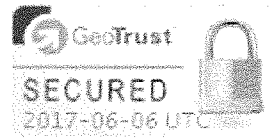
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Please enter your best bid proposal for this project

Louisiana Contractor ID#

Enter all information required on the outside of the sealed envelope in the box below

<p>FERGUSON ENT DBA LOUISIANA UTILITIES SUPPLY CO</p> <p>901 S LABARRE RD SUITE206</p> <p>METAIRIE, LA 70001</p> <p>5000119704</p>	

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