

DATE: 8/18/2016

INVITATION TO BID
THIS IS NOT AN ORDER

Page: 1

BID NO.: 50-00117526

JEFFERSON PARISH

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

VENDOR:

BUYER: SFOLSE

Bids will be received until 11:00 AM, 8/25/2016 via fax: 504-364-2693 or via online at www.jeffparish.net

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. A copy of these resolutions 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 www.purchasing.jeffparish.net and clicking on On-line forms.

All vendors submitting bids should register as a Jefferson Parish vendor if not already yet registered. Registration forms may be downloaded from www.purchasing.jeffparish.net and by clicking on Vendor Information. While Jefferson Parish may have these on file, all bidders should furnish their current W-9 Form and respective Tax Identification Numbers with bid submission; records on file may be invalid or expired. The successful bidder must submit a W-9 Form and respective Tax Identification Number upon contract execution. Failure to do so may result in delay of payment.

As per LSA-RS 47:301 et seq., all governmental bodies are excluded from payment of sales taxes to any Louisiana taxing body. Quotations shall be based on F.O.B. Delivered, anywhere within the Parish as designated by the Purchasing Department. JEFFERSON PARISH WILL ACCEPT ONE BID ONLY FROM EACH VENDOR. Items bid must meet specifications. 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. The price quoted for work shall be stated in figures. In the event there is a difference in unit prices and totals, the unit prices shall prevail.

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

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

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.

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.

All formal Addenda require written acknowledgment 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.

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.

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 A1 17.1-1961).

INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS

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.

ADDITIONAL REQUIREMENTS FOR THIS BID

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

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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.

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.

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Page: 4

BID NO.: 50-00117526

JEFFERSON PARISH

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

VENDOR: _____ VENDOR

BUYER: SFOLSE

As per LSA-RS 47:301 et seq., all governmental bodies are excluded from payment of sales taxes to any Louisiana taxing body. Quotations shall be based on F.O.B. Agency warehouse or jobsite, anywhere within the Parish as designated by the Purchasing Department.

JEFFERSON PARISH reserves the right to cancel all or any part of an order 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 at any time and for any reason by issuing a THIRTY (30) day written notice to the contractor.

JEFFERSON PARISH is expecting all products to be new and all work is to be done in a workman-like manner, according to standard practices. Any deviations or alterations from the specifications must be indicated and backup documentation supplied with your quotation.

DELIVERY: FOB JEFFERSON PARISH	
INDICATE DELIVERY DATE ON EQUIPMENT AND SUPPLIES	<u>14 Days ARO</u>
INDICATE STARTING TIME (IN DAYS) FOR CONSTRUCTION WORK	_____
INDICATE COMPLETION TIME (IN DAYS) FOR CONSTRUCTION WORK	_____

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: _____

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

*** ALL BIDDERS MUST COMPLETE SECTION BELOW ***	
FIRM NAME:	<u>Orion Rigging & Supply</u>
SIGNATURE: (Must be signed here)	<u>Mike Massicot</u> TITLE: <u>General Manager</u>
PRINT OR TYPE NAME:	<u>Mike Massicot</u>
ADDRESS:	<u>2910 LAUSAT ST.</u>
CITY, STATE:	<u>Metairie, LA</u> ZIP: <u>70001</u>
TELEPHONE:	<u>504 833-6666</u> FAX: <u>504 836-0497</u>
EMAIL ADDRESS:	<u>mike@ORIONRIGGING.COM</u>

TOTAL PRICE OF ALL BID ITEMS: \$ 1,459.28

INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00117526

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
			STOCK SUPPLIES NEEDED FOR THE JEFFERSON PARISH EB DEPARTMENT OF SEWERAGE		
1	24.00	EA	0001 - Shackle, anchor, 5/8 inch opening, screw pin, 316 stainless steel, 3000 pound working load, Cooper No. 640-2110 (0271110) <i>SUNCOR S0116-FS16</i>	<i>20.69</i>	<i>496.56</i>
2	72.00	EA	0002 - Clip, wire rope, 1/2 inch, grade 304 stainless steel, grade 316 saddle, Fastenal no. 74629 (0271370) <i>SUNCOR S0122-SS13</i>	<i>6.49</i>	<i>467.28</i>
3	16.00	EA	0003 - Bolt, eye, 5/16 in-18, 4-1/4 in long shank, forged galvanized, with nut, 1200 lb working load limit, Crosby G-291 no. 1043294 (0271620)	<i>7.49</i>	<i>119.84</i>
4	24.00	EA	0004 - Bolt, eye, 7/16 in-14 UNC - 2A thread size, 1.38 in shank, 1800 lb capacity, meets ASTM A 489 and ANSI B 18.15, Proto no. 94023 (0275030) <i>CHICAGO HARDWARE 128650</i>	<i>3.90</i>	<i>93.60</i>
5	24.00	EA	0005 - Bolt, eye, 9/16 in-12 UNC-2A thread size, 1.75 in shank, 3200 lb capacity, meets ASTM A 489 and ANSI B 18.15, Proto no. 94025 (0275050) <i>CHICAGO HARDWARE 129053</i>	<i>5.77</i>	<i>138.48</i>
6	4.00	EA	0006 - Seal oil C-R no. 33645 (0445030)	<i>N/B</i>	<i>Ø</i>
7	6.00	EA	0007 - Bearing, ball, double shield, no. 6315-ZZ (0454360)	<i>N/B</i>	<i>Ø</i>
8	48.00	EA	0008 - Nipple, king, combination, 1-1/2 inch, cadmium or zinc plated steel, hose x male national pipe threads, Dixon brand or equal (0486800)	<i>2.99</i>	<i>143.52</i>
9	24.00	EA	0009 - Valve, air cock, 1/8 in FPT x 1/8 in FPT, brass,	<i>N/B</i>	<i>Ø</i>

INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00117526

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
10	4.00	EA	lever handle, Conbraco no. 41-430-05 (0621150) 0010 - Sleeve, Woods Sure-Flex two piece type no. 9HS (0628600)	N/B	Ø
11	8.00	EA	0011 - Element (spider), coupling, (L) type, sox (NBR), solid for L-150, Lovejoy no. 685144-12001 (0632600)	N/B	Ø
12	144.00	EA	0012 - Coupling, PVC, schedule 80, 3/4 in, female socket x female socket (electrical conduit fittings are not acceptable) (0690220)	N/B	Ø
13	36.00	EA	0013 - Adapter, female, schedule 80 PVC, 3/4 inch, socket x thread (0690710)	N/B	Ø
14	500.00	LF	0014 - Pipe, PVC, schedule 80, 3/4 inch x 20 foot, plain ends, no bells, electrical conduit is not acceptable, Fastenal no. 0472012 (0691020)	N/B	Ø
15	8.00	EA	0015 - Valve, ball, PVC, schedule 80, true union, 1/2 in, female socket x female socket (0692000)	N/B	Ø
16	72.00	EA	0016 - Bushing, hex, galvanized, 1/2 inch x 1/4 inch, schedule 40 (0289980)	N/B	Ø
17	36.00	EA	0017 - Bushing, hex galvanized, 3/4 inch x 1/4 inch, schedule 40 (0290030)	N/B	Ø
18	12.00	EA	0018 - Washer, lock, bearing, carbon steel, bore 3.543 in,	N/B	Ø

INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00117526

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
19	50.00	EA	tang dia. 4.953 in, thickness 0.115, key width 0.353 in, standard, No. W-18 (0470180) 0019 - Valve, air cock, 1/4 in MPT x 1/4 in MPT, 80 psi, satin brass, tee handle, domestic, Conbraco no. 41-190-01 (0621250)	N/B	Ø
20	4.00	EA	0020 - Coupling (hub), L-Jaw, no. L-110, with 1-3/8 in (1.375 in) bore, 5/16 in x 5/32 in keyway, Lovejoy no. 685144 - 11745 (063247S)	N/B	Ø
21	36.00	EA	0021 - Elbow, 90 degree, 3/4 in, schedule 80 PVC, socket x socket, electrical conduit is not acceptable (0690060)	N/B	Ø
22	16.00	EA	0022 - Elbow, 90 degree, 1-1/4 in, schedule 80 PVC, socket x socket, electrical conduit is not acceptable (0690100)	N/B	Ø
23	48.00	EA	0023 - Adapter, male, PVC, schedule 80 1-1/4 inch female socket x male thread (electrical conduit fittings are not acceptable) (0690730)	N/B	Ø
24	6.00	EA	0024 - Gauge, vacuum, 0-30 in hg, 2-1/2 in face, 1/4 in mpt bottom connection, enamel case, Dixon Boss no. GL305 (0695500) Stock - r & m l/s	N/B	Ø

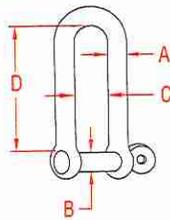
SHACKLES

SHACKLES

LONG D SHACKLE



316 STAINLESS STEEL WITH SCREW PIN

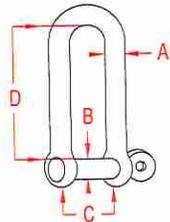


ITEM	A	B	C	D	WLL	WT
	(size)				(lb)	(lb)
S0138-0004	5/32"	0.15"	0.32"	1.19"	200	0.03
S0138-0005	3/16"	0.19"	0.43"	1.50"	500	0.05
S0138-0006	1/4"	0.23"	0.49"	1.74"	750	0.08
S0138-0008	5/16"	0.31"	0.68"	2.31"	1,000	0.18
S0138-0010	3/8"	0.38"	0.78"	2.88"	1,200	0.35
S0138-0012	1/2"	0.47"	0.93"	3.50"	1,500	0.62

LONG D SHACKLE



316 STAINLESS STEEL WITH CAPTIVE PIN



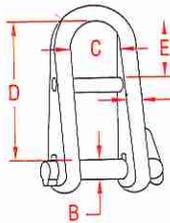
ITEM	A	B	C	D	WLL	WT
	(size)				(lb)	(lb)
S0138-CP04	5/32"	0.15"	0.30"	1.17"	200	0.03
S0138-CP05	3/16"	0.19"	0.39"	1.47"	500	0.05
S0138-CP06	1/4"	0.23"	0.46"	1.77"	750	0.08
S0138-CP08	5/16"	0.31"	0.61"	2.36"	1,000	0.18
S0138-CP10	3/8"	0.38"	0.78"	2.95"	1,200	0.34
S0138-CP12	1/2"	0.47"	0.93"	3.54"	1,500	0.57

NOTE: SCREW PIN IS CAPTIVE AND NOT REMOVABLE. WHEN IT'S FULLY OPENED, THE END OF THE PIN WILL SIT FLUSH WITH THE INSIDE OF THE SHACKLE.

HALYARD SHACKLE



STAINLESS STEEL WITH KEY PIN

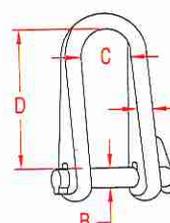


ITEM	A	B	C	D	E	WLL	WT
	(size)					(lb)	(lb)
316 STAINLESS STEEL							
S0164-0005	3/16"	0.20"	0.47"	1.48"	0.52"	500	0.07
S0164-0006	1/4"	0.24"	0.56"	1.70"	0.61"	750	0.11
S0164-0008	5/16"	0.31"	0.75"	2.37"	0.84"	1,000	0.25
BL (lb)							
17-4 PH STAINLESS STEEL							
S0164-HR05	3/16"	0.20"	0.47"	1.48"	0.52"	2,500	0.07
S0164-HR06	1/4"	0.24"	0.56"	1.70"	0.61"	3,900	0.11
S0164-HR08	5/16"	0.31"	0.75"	2.37"	0.84"	5,000	0.25

LONG SHACKLE



STAINLESS STEEL WITH KEY PIN

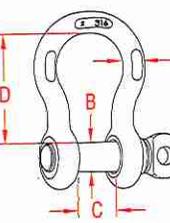


ITEM	A	B	C	D	WLL	WT	
	(size)				(lb)	(lb)	
316 STAINLESS STEEL							
S0167-0005	3/16"	0.20"	0.47"	1.43"	500	0.07	
S0167-0006	1/4"	0.24"	0.56"	1.70"	750	0.11	
S0167-0008	5/16"	0.31"	0.75"	2.30"	1,000	0.26	
BL (lb)							
17-4 PH STAINLESS STEEL							
S0167-HR05	3/16"	0.20"	0.47"	1.43"	2,500	0.07	
S0167-HR06	1/4"	0.24"	0.56"	1.70"	3,900	0.11	
S0167-HR08	5/16"	0.31"	0.75"	2.30"	5,000	0.26	

ANCHOR SHACKLE



316-NM STAINLESS STEEL WITH OVERSIZE SCREW PIN



ITEM	A	B	C	D	WLL	WT
	(size)				(lb)	(lb)
S0116-FS05	3/16"	0.26"	0.41"	0.83"	650	0.05
S0116-FS07	1/4"	0.31"	0.47"	1.11"	1,000	0.10
S0116-FS08	5/16"	0.38"	0.53"	1.20"	1,300	0.17
S0116-FS10	3/8"	0.44"	0.66"	1.41"	1,500	0.30
S0116-FS12	7/16"	0.50"	0.72"	1.77"	2,000	0.50
S0116-FS13	1/2"	0.63"	0.82"	1.83"	3,000	0.71
S0116-FS16	5/8"	0.75"	1.02"	2.41"	4,000	1.39
S0116-FS20	3/4"	0.88"	1.25"	2.84"	6,000	2.31
S0116-FS22	7/8"	1.00"	1.48"	3.30"	8,000	3.64
S0116-FS25	1"	1.13"	1.70"	3.80"	10,000	5.18
S0116-FS32	1-1/4"	1.38"	2.03"	4.69"	14,000	9.88

NOTE: 1/AW FED SPEC RR-C-271D, TYPE IVA, CLASS 2, EXCEPT 316 STAINLESS. MARKED TO THE NEAREST FRACTIONAL TON.



Key:



Made in USA



Drop Forged



Precision Machined



Wire Formed



Suncor Excelsus



Import



Precision Cast



Stamped



Load Rated



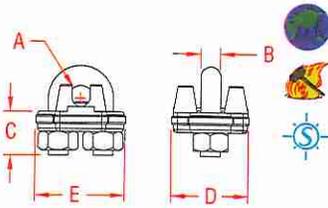
New Product

ORDERS ONLY: 800-394-2222 (USA)
877-495-5510 (CANADA)

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HEAVY WIRE ROPE CLIP

316-NM STAINLESS STEEL



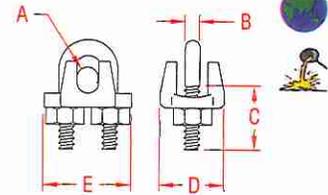
ITEM	A	B	C	D	E	WT
	(size)					(lb)
S0122-0003	1/8"	0.21"	0.50"	0.80"	0.92"	0.06
S0122-0005	3/16"	0.24"	0.62"	0.95"	1.15"	0.10
S0122-0007	1/4"	0.30"	0.75"	1.18"	1.46"	0.20
S0122-0008	5/16"	0.36"	0.78"	1.33"	1.66"	0.28
S0122-0010	3/8"	0.43"	0.82"	1.56"	1.90"	0.44
S0122-0013	1/2"	0.48"	1.05"	1.90"	2.28"	0.71
S0122-0016	5/8"	0.54"	1.28"	2.05"	2.48"	1.00
S0122-0020	3/4"	0.62"	1.50"	2.24"	2.83"	1.48
S0122-0025	1"	0.68"	1.90"	2.59"	3.47"	2.55

NOTE:
1/A/W FEDERAL SPECIFICATION FF-C-450D, TYPE 1.
(EXCEPT 316 STAINLESS, DROP FORGED)

FORGED

WIRE ROPE CLIP - 304 SS

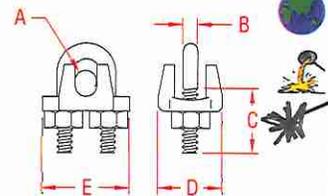
304 STAINLESS STEEL



ITEM	A	B	C	D	E	WT
	(size)					(lb)
S0122-FS02	1/16"	0.09"	0.40"	0.52"	0.55"	0.02
S0122-FS03	1/8"	0.12"	0.43"	0.55"	0.62"	0.02
S0122-FS04	5/32"	0.15"	0.56"	0.70"	0.73"	0.04
S0122-FS05	3/16"	0.19"	0.67"	0.78"	0.87"	0.06
S0122-FS07	1/4"	0.23"	0.75"	0.84"	1.11"	0.09
S0122-FS08	5/16"	0.31"	0.90"	1.06"	1.34"	0.17
S0122-FS10	3/8"	0.38"	1.00"	1.32"	1.74"	0.36
S0122-FS13	1/2"	0.47"	1.40"	1.48"	1.97"	0.52
S0122-FS14	9/16"	0.47"	1.50"	1.70"	2.05"	0.61
S0122-FS16	5/8"	0.54"	1.87"	1.83"	2.33"	0.89
S0122-FS20	3/4"	0.54"	2.00"	2.05"	2.42"	1.03
S0122-FS22	7/8"	0.61"	2.32"	2.41"	2.81"	1.57
S0122-FS25	1"	0.61"	2.41"	2.40"	2.97"	1.81
S0122-FS32	1-1/4"	0.85"	2.32"	3.16"	4.12"	4.45

WIRE ROPE CLIP - 316 SS

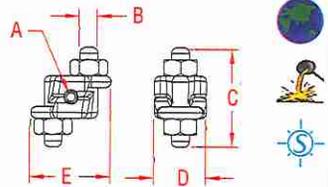
316 STAINLESS STEEL



ITEM	A	B	C	D	E	WT
	(size)					(lb)
S0122-SS02	1/16"	0.09"	0.40"	0.52"	0.55"	0.02
S0122-SS03	1/8"	0.12"	0.43"	0.55"	0.62"	0.02
S0122-SS04	5/32"	0.15"	0.56"	0.70"	0.73"	0.04
S0122-SS05	3/16"	0.19"	0.67"	0.78"	0.87"	0.06
S0122-SS07	1/4"	0.23"	0.75"	0.84"	1.11"	0.09
S0122-SS08	5/16"	0.31"	0.90"	1.06"	1.34"	0.17
S0122-SS10	3/8"	0.38"	1.00"	1.32"	1.74"	0.36
S0122-SS13	1/2"	0.47"	1.40"	1.48"	1.97"	0.52
S0122-SS14	9/16"	0.47"	1.50"	1.70"	2.05"	0.61
S0122-SS16	5/8"	0.54"	1.87"	1.83"	2.33"	0.89
S0122-SS20	3/4"	0.54"	2.00"	2.05"	2.42"	1.03
S0122-SS22	7/8"	0.61"	2.32"	2.41"	2.81"	1.57
S0122-SS25	1"	0.61"	2.41"	2.40"	2.97"	1.81

"CHAIR" CLIP

316-NM STAINLESS STEEL

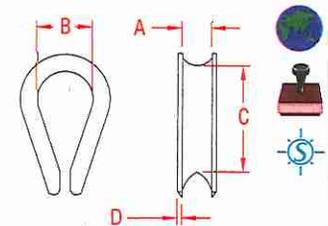


ITEM	A	B	C	D	E	WT
	(size)					(lb)
S0122-C007	1/4"	0.36"	1.75"	0.93"	1.44"	0.22
S0122-C008	5/16"	0.38"	2.00"	1.07"	1.68"	0.31
S0122-C010	3/8"	0.43"	2.38"	1.10"	1.87"	0.46
S0122-C013	1/2"	0.50"	2.70"	1.26"	2.13"	0.61
S0122-C016	5/8"	0.62"	3.30"	1.50"	2.53"	1.16
S0122-C020	3/4"	0.75"	4.82"	1.75"	3.12"	1.88

NOTE:
1/A/W FEDERAL SPECIFICATION FF-C-450D, TYPE 3, CLASS 1.
(EXCEPT 316 STAINLESS AND CAST)

STANDARD THIMBLE

316 STAINLESS STEEL



ITEM	SIZE	A	B	C	D	WT
						(lb)
S0124-0003	1/8"	0.12"	0.37"	0.71"	0.03"	0.01
S0124-0004	5/32"	0.16"	0.37"	0.77"	0.03"	0.01
S0124-0005	3/16"	0.19"	0.44"	0.80"	0.04"	0.02
S0124-0007	1/4"	0.25"	0.69"	0.95"	0.05"	0.02
S0124-0008	5/16"	0.34"	0.78"	1.40"	0.06"	0.04
S0124-0010	3/8"	0.42"	0.94"	1.70"	0.06"	0.06
S0124-0013	1/2"	0.50"	1.14"	2.28"	0.09"	0.14
S0124-0016	5/8"	0.68"	1.45"	2.37"	0.07"	0.17



Key:



Made in USA



Drop Forged



Precision Machined



Wire Formed



Suncor Exclusive



Import



Precision Cast



Stamped



Load Rated



New Product

MACHINERY EYE BOLTS



Drop forged steel. Heat treated after forging. Self-colored, zinc plated, or hot galvanized. Plain or shoulder type, blank or threaded. Threaded will be supplied unless otherwise specified. See additional specifications and dimensions on page 18.

STANDARD SHANK LENGTHS

PLAIN PATTERN

Plain Pattern No.	Bolt Diameter N.C.	Standard Shank Length	Threaded		Blank	
			Part No.	Weight Per 100	Part No.	Weight Per 100
1	1/4"	1"	11605 3	5	11005 1	5.5
2	5/16"	1-1/8"	11625 1	10.5	11025 9	11.5
3	3/8"	1-1/4"	11645 9	15.5	11045 7	16.5
4	7/16"	1-3/8"	11665 7	20.5	11065 5	22
5	1/2"	1-1/2"	11685 5	33	11085 3	35
6	9/16"	1-5/8"	11705 0	44.5	11105 8	45
7	5/8"	1-3/4"	11725 8	64	11125 6	66
8	3/4"	2"	11748 7	90.5	11148 5	97
9	7/8"	2-1/4"	11768 5	135	11168 3	142
10	1"	2-1/2"	11788 3	190.5	11188 1	199
11	1-1/8"	2-3/4"	11808 8	299.5	11208 6	312
12	1-1/4"	3"	11831 6	399	11231 4	412
14	1-1/2"	3-1/2"	11851 4	662.5	11251 2	691



Available in Zinc Plated and Hot Galvanized. See page 20.

Some sizes available in Stainless Steel. See page 48.

Available in Metric See page 22.



STANDARD SHANK LENGTHS

SHOULDER PATTERN

Shoulder Pattern No.	Bolt Diameter N.C.	Standard Shank Length	Threaded		Blank	
			Part No.	Weight Per 100	Part No.	Weight Per 100
21	1/4"	1"	12805 6	6	12205 4	6
22	5/16"	1-1/8"	12825 4	10	12225 2	10.5
23	3/8"	1-1/4"	12845 2	16	12245 0	17
24	7/16"	1-3/8"	12865 0	26.5	12265 8	28
25	1/2"	1-1/2"	12885 8	38	12285 6	39
26	9/16"	1-5/8"	12905 3	49	12305 1	52.5
27	5/8"	1-3/4"	12925 1	73.5	12325 9	76.5
28	3/4"	2"	12948 0	99.5	12348 8	104
29	7/8"	2-1/4"	12968 8	172.5	12368 6	178
30	1"	2-1/2"	12988 6	235	12388 4	242
31	1-1/8"	2-3/4"	13008 0	342.5	12408 9	347
32	1-1/4"	3"	13031 8	462.5	12431 7	485
34	1-1/2"	3-1/2"	13051 6	752.5	12451 5	780

