



INVITATION FOR BIDS (IFB)

ISSUE DATE: **May 8, 2018**

TITLE: **Miscellaneous Tooling, Fasteners, Materials and Supplies**

ISSUING AGENCY: **COMMONWEALTH OF VIRGINIA
UNIVERSITY OF MARY WASHINGTON
EAGLE VILLAGE EXECUTIVE OFFICES
1125 JEFFERSON DAVIS HWY, SUITE 480
PROCUREMENT SERVICES
FREDERICKSBURG, VIRGINIA 22401**

LOCATION WHERE WORK WILL BE PERFORMED: **FREDERICKSBURG, VIRGINIA**

PERIOD OF CONTRACT: **2 years**

BID DUE DATE & TIME: **Sealed bids due July 20, 2018 @11:00 am**

PRE-BID CONFERENCE: **None**

BUYER NAME: **James DeLoatch**

IFB #: **UCPUMW 19-828**

COMMODITY CODE: **32035,32069,32070,32071,32075,32091,32092,32073,32074,32036,32010,32022**

RENEWALS: **6 optional 1 yr.**

Email: jdeloatch@umw.edu

IF BIDS ARE MAILED, SEND DIRECTLY TO ISSUING AGENCY AND CONTRACT OFFICER SHOWN ABOVE. IF BIDS ARE HAND DELIVERED, DELIVER DIRECTLY TO PROCUREMENT SERVICES DEPARTMENT STAFF ONLY.

All Inquiries for Information Should Be Directed to: James DeLoatch; Tel: 540-654-1382 or via e-mail: jdeloatch@umw.edu . All email correspondence should include "Tooling, Fasteners and Supplies" in the subject line. No questions will be accepted after close of business, 5:00pm, May 18, 2018.

In Compliance With This Invitation for Bids And To All The Conditions Imposed Therein, The Undersigned Firm hereby Offers And Agrees To Furnish All Goods/Services Required by this IFB At The Price(s) Indicated In the Pricing Schedule (Ref. Section VI Pricing Schedule in IFB), and the undersigned firm certifies that all information provided below and in any schedule or attachment contained in this document is true, correct and complete.

VA CONTRACTOR LIC.# & CLASS W/SPECIALTY CODES:

NAME OF FIRM: **SOSMETAL PRODUCTS, INC.**

SUBMITTING BID: **19-828**

ADDRESS LINE 1: **2945 E. TIOGA STREET**

ADDRESS LINE 2:

CITY/STATE/ZIP: **PHILADELPHIA/PA/19134**

eVA VENDOR# OR DUNS#: **00-173-3625**

TELEPHONE NUMBER: **215-739-6200**

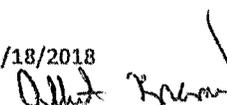
FAX NUMBER: **215-423-4123**

DSBSD CERT. #: **694347**

FEIN#: **23-1424647**

SCC#:

DATE BID SIGNED: **06/18/2018**

BIDDER'S ORIG. SIGNATURE: 

BIDDER'S NAME: **John Minko**

BIDDER'S TITLE: **PURCHASING AGENT**

EMAIL ADDRESS: **JMINKO@SOSMETAL.COM**

EXP. DATE: **04-11-2023**

DSBSD CERTIFICATION: **Small-Micro/Woman-owned/Minority-owned**

Note: This public body does not discriminate against faith-based organizations in accordance with the Code of Virginia, § 2.2-4343.1 or against a bidder or offeror because of race, religion, color, sex, national origin, age, disability, or any other basis prohibited by state law relating to discrimination in employment.

IFB ADDENDUM 19-828

June 7, 2018

ADDENDUM NO. 1 TO ALL OFFERORS:

Reference – Request for Proposals: IFB 19-828
Commodity Code/to Furnish Goods or Service: 32035,32069,32070,32071,32075,32091,32092,32073,
32074,32036,32010,32022
Dated: May 8, 2018
For Delivery to: University of Mary Washington,
Commonwealth of Virginia
Proposal Due Date: July 20, 2018

This addendum consists of one (1) page.

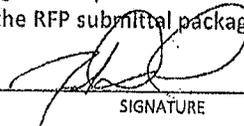
ADDENDUM #1

- 1) Adjustment of pricing table to correct page for completion. (page 4)

END OF ADDENDUM #1

James DeLoatch, VCA
Buyer, Procurement Services
Phone: 540/654-1382

*Acknowledged receipt of IFB 19-828 Addendum #1 (and all addenda) should be acknowledged and included in the RFP submittal package:



SIGNATURE

6/7/18

DATE

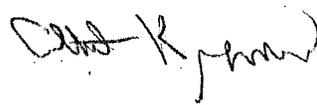


TABLE OF CONTENTS

I.	PURPOSE	3
II.	ORGANIZATIONAL OVERVIEW	3
III.	BACKGROUND	3
IV.	STATEMENT OF WORK	3
V.	CONTRACT ADMINISTRATION	3
VI.	PRICING SCHEDULE	4
VII.	GENERAL TERMS AND CONDITIONS LINK	4
VIII.	SPECIAL TERMS AND CONDITIONS	5
IX.	METHOD OF PAYMENT	9
X.	ATTACHMENTS	11

SWAM Initiative Letter
Small Business Subcontracting Plan
Contractor Qualifications
Pricing Schedule

- I. **PURPOSE:** The intent and purpose of this Invitation for Bid (IFB) is to establish a contract with one or more qualified sources to provide tooling, fasteners, materials and supplies to the University of Mary Washington on an as-needed basis. We are issuing this Invitation for Bid with the intent for it to be a cooperative agreement.
- II. **ORGANIZATIONAL OVERVIEW:** The University of Mary Washington is a coeducational, state-supported institution of the Commonwealth of Virginia enrolling a total of approximately 5,000 undergraduate and graduate students. The institution currently consists of three academic campuses and three colleges – Arts and Sciences, Business and Education, as well as a Center for Economic Development, which connects faculty and students with regional initiatives and businesses seeking their assistance. Additional information is available at: <http://www.umw.edu/about/>
- III. **BACKGROUND:** For fiscal year 2016-2017, The University of Mary Washington has spent \$19598.00 for tooling, fasteners and supplies. This solicitation will serve as a new contract for the same commodity. This contract will serve for two (2) years with six (6) additional one (1) year renewals. There is no guarantee of estimated spend for the life of this contract.
- IV. **SCOPE OF SERVICES (STATEMENT OF WORK):** Selected firms shall provide miscellaneous tooling, fasteners, materials and supplies on an as needed basis for the University of Mary Washington.
 - A. **GOODS (FURNISH ONLY):** The contractor shall furnish and deliver the items described in the pricing schedule (VI) and any additional tooling, supplies or materials that may be required.
 - B. **DELIVERY POINT:** All items shall be F.O.B delivered as directed by the ordering department institution or agency of the Commonwealth. All product orders will be delivered to **UMW Central Storeroom 1302 Hanover Street, Fredericksburg, VA 22401.**
 - C. **DELIVERY NOTIFICATION:** The Agency shall be notified 72 hours prior to delivery of any items so that personnel may verify items received. Notification shall be made to: **David Wilt 540-654-5972.**
- V. **CONTRACT ADMINISTRATION:**
 - A. The Central Storeroom Manager shall be identified by the University as the Contract Administrator and shall use all powers under the contract to enforce its faithfulness and performance in conjunction with the University Procurement Services Department.
 - B. The Contract Administrator shall determine the amount, quantity, acceptability, fitness of all aspects of the services and shall decide all other questions in connection with the services. The Contract Administrator shall not have authority to approve changes in the services which alter the concept or which call for an extension of the contract term. Any modifications made to the contract must be authorized by the University Procurement Services Department through a written two-party modification to the contract.

VI. PRICING SCHEDULE: The Contractor agrees to provide the products herein described in compliance with the scope of work and all terms and conditions of this Invitation for Bids at the following prices:

THE BIDDER IS TO COMPLETE AND RETURN THIS SECTION WITH BID PACKAGE. ONLY BID ON ITEMS THAT ARE ABLE TO BE SUPPLIED. AWARDS WILL BE BASED ON LOWEST PRICE ON TOTAL BID EVALUATION.

Failure to complete any section of the pricing schedule table below, will result in a non-responsive determination, and shall constitute cause for rejection of the bid.

CATEGORY/ITEM	UNIT/QTY	BID RATE/PRICE
1. Part# 503261 GR5 HEX NUT SAE ¼-28 See attached catalog page (A11-2) for details	200	\$ 4.42 per 200 /.0221 Each
2. Part# 503263 GR5 HEX NUTSAE 5/16-24 See attached catalog page (A11-2) for details	200	\$ 6.34 per 200 /.0317 Each
3. Part#502382 5/8X4 SAE GR5 C/S See attached catalog page (A10-9) for details	500	\$ 401.50 per 500 /.8030 Each
4. Part# 503141 LOCKNUTS 5/8 SAE See attached catalog page (A11-3) for details	200	\$ 94.80 per 200 /.4740 Each
5. Part# 503260 GR5 HEX NUT USS ¼-20 See attached catalog page (A11-2) for details	200	\$ 3.98 per 200 /.0199 Each
6. Part# 502118 5/16X2-1/2 USS GR5 C/S See attached catalog page (A10-9) for details	500	\$ 53.20 per 500 /.1064 Each
7. Part# 502131 3/8X3-1/2 USS GR5 C/S See attached catalog page (A10-9) for details	500	\$ 108.40 per 500 /.2168 Each
8. Part# 50818 7/16 STD SPLIT LK WSHR See attached catalog page (A14-4) for details	200	\$ 4.06 per 200 /.0203 Each
9. Part# 502165 9/16X2 USS GR5 C/S See attached catalog page (A10-9) for details	200	\$ 102.40 per 200 /.5120 Each
10. Part# 514182 GR5 NYLON L/N USS 3/4 See attached catalog page (A11-5) for details	500	\$ 784.00 per 500 /1.5680 Each
11. Part# 505125 12X1 PHL PAN SMS See attached catalog page (A15-1) for details	300	\$ 15.72 per 300 /.0524 Each
12. Part# 114561 RECIP BLADE 12 X ¾ X .035 18TPI See attached catalog page (D10C-38) for details	200	\$ 1,456.00 per 200 /7.2800 Each
	Total	\$ \$ 3,034.82

In addition to the prices listed, the contractor will provide an additional discount of a minimum _____% for all other catalog items. (Additional overall discount does not count towards low bid for award)

VII. CONTRACTOR QUALIFICATIONS:

In determining if responding potential sources are qualified to provide the required tooling, fasteners, supplies and materials requested by this solicitation, the following factors will be considered, including but not limited to:

1125 JEFFERSON DAVIS HWY., SUITE 480 Tel: 540/654-1127
FREDERICKSBURG, VA 22401-5300 Fax: 540/654-1168

1. Bidder must be a regular dealer or supplier of the goods offered;
2. Bidder must be able to respond to emergency delivery;
3. Bidder must have a satisfactory record of on-time delivery of quality parts;
4. Bidder must have a satisfactory record of integrity;
5. Bidder must have the necessary facilities, organization, experience, financial resources to full the requirements; and
6. Bidder must be insured in accordance with provisions of this contract.
7. No Brokers are allowed (defined as an individual who buys and sells goods or assets for others)

Bidders must provide adequate detail (Reference Attachment B) along with two recent (within the past three years) references with their bid to substantiate their capacity to meet the factors indicated above.

VIII. GENERAL TERMS AND CONDITIONS: Please refer to the link to follow regarding Required General Terms and Conditions of this Solicitation which are a mandatory part of the resulting contract:
<http://adminfinance.umw.edu/procurement/files/2014/11/UMW-General-Terms-and-Conditions-Nov14.pdf>

IX. SPECIAL TERMS AND CONDITIONS:

AUDIT: The contractor shall retain all books, records, and other documents relative to this contract for five (5) years after final payment, or until audited by the Commonwealth of Virginia, whichever is sooner. The agency, its authorized agents, and/or state auditors shall have full access to and the right to examine any of said materials during said period.

COOPERATIVE PROCUREMENT/ADDITIONAL USERS - USE OF AGREEMENT BY THIRD PARTIES: It is the intent of this solicitation and resulting contract(s) to allow for cooperative procurement. Accordingly, any public body (to include government/state agencies, political subdivisions, etc.), cooperative purchasing organizations, public or private health or educational institutions, or any University affiliated agency and/or corporation may access any resulting contract if authorized by the Contractor.

Participation in this cooperative procurement is strictly voluntary. If authorized by the Contractor(s), the resultant contract(s) will be extended to the entities indicated above to purchase goods and services in accordance with contract terms. As a separate contractual relationship, the participating entity will place its own orders directly with the contractor(s) and shall fully and independently administer its use of the contract(s) to include contractual disputes, invoicing and payments without direct administration from the University. No modification of this contract or execution of a separate agreement is required to participate; however, the participating entity and the contractor may modify the terms and conditions of this contract to accommodate specific governing laws, regulations, policies, and business goals required by the participating entity. Any such modification will apply solely between the participating entity and the Contractor.

The Contractor will notify the University in writing of any such entities accessing this Contract. The Contractor will provide semi-annual usage reports for all entities accessing the Contract. The Contractor should consider an offer of special tiered pricing or rebates to all entities accessing the contract, based on the results of such reporting. This tiered pricing and/or rebate structure should be included with the Bidder/Offeror's bid or proposal package.

1125 JEFFERSON DAVIS HWY., SUITE 480 Tel: 540/654-1127
FREDERICKSBURG, VA 22401-5300 Fax: 540/654-1168

The University shall not be held liable for any costs or damages incurred by any other participating entity as a result of any authorization by the Contractor to extend the Contract. It is understood and agreed that the University is not responsible for the acts or omissions of any entity, and will not be considered in default of the Contract no matter the circumstances.

Use of this Agreement does not preclude any participating entity from using other agreements or competitive processes.

AWARD TO MULTIPLE BIDDERS: The Commonwealth reserves the right to make multiple awards as a result of this solicitation. The award(s) will be made to the lowest responsive and responsible bidder(s). Evaluation will be based on unit prices for listed items. Unit prices, extensions and grand total must be shown. In case of arithmetic errors, the unit price will govern. If cash discount for prompt payment is offered, it must be clearly shown in the space provided. Discounts for prompt payment will not be considered in making awards. The State reserves the right to reject any and all bids in whole or in part, to waive any informality, and to delete items prior to making an award.

ADDITIONAL GOODS AND SERVICES: The University may acquire other goods or services that the supplier provides than those specifically solicited. The University reserves the right, subject to mutual agreement, for the Contractor to provide additional goods and/or services under the same pricing, terms, and conditions and to make modifications or enhancements to the existing goods and services. Such additional goods and services may include other products, components, accessories, subsystems, or related services that are newly introduced during the term of this Agreement. Such additional goods and services will be provided to the University at favored nations pricing, terms and conditions.

BID ACCEPTANCE PERIOD: Any bid in response to this solicitation shall be valid for sixty (60) days. At the end of the sixty (60) days, the bid may be withdrawn at the written request of the bidder. If the bid is not withdrawn at that time it remains in effect until an award is made or the solicitation is canceled.

BID PRICES: Bids shall be in the form of a firm unit price as specified in the Pricing Schedule (Section VI).

BID EVALUATION PROCEDURE: The lowest responsive bidder(s) will be determined by providing the lowest total price based on quantities listed. In the case of same pricing submissions for like items, awards will be made to all vendors supplying the lowest price per unit. NOTE: THE BIDDER IS NOT TO FILL IN THESE BLANKS. THIS EXAMPLE IS ONLY INTENDED TO SHOW THE PROCEDURE TO BE USED.

CATEGORY/ITEM	UNIT	BID RATE/PRICE
1.		
2.		
3.		

CANCELLATION OF CONTRACT: The University reserves the right to cancel and terminate any resulting contract, in part or in whole, without penalty, upon 60 days written notice to the contractor. In the event the

initial contract period is for more than 12 months, the resulting contract may be terminated by either party, without penalty, after the initial 12 months of the contract period upon 60 days written notice to the other party. Any contract cancellation notice shall not relieve the contractor of the obligation to deliver and/or perform on all outstanding orders issued prior to the effective date of cancellation.

CLARIFICATION OF TERMS: If any prospective offeror has questions about the specifications or other solicitation documents, the prospective offeror should contact the contract officer whose name appears on the face of the solicitation no later than five (5) days prior to the due date for receipt of proposals. Any revisions to the solicitation and any answers to questions posed by offerors will be made only by written addendum issued by the contract officer and posted on eVA (VBO).

EXCLUSIVITY: The University reserves the right to procure goods or services covered under this contract from a third party when, in the University's sole discretion, it is deemed to be in the University's best interest.

QUANTITIES: Quantities set forth in this solicitation are for estimates only, and the contractor shall supply at bid prices actual quantities as ordered, regardless of whether such total quantities are more or less than those shown.

PRE-BID CONFERENCE: For this solicitation, there will be no Pre-Bid conference. Bid questions will be accepted through close of business **May 18, 2018**. All questions must be submitted through email to jdeloatc@umw.edu with HVAC supplies in the subject line. All bids are due by **July 20, 2018 at 10:00AM**. No late bids will be accepted.

ORDERING PROCEDURES: The awardee of a contract under this solicitation shall be issued one (1) master contract (**UCPUMW 19-828**) which will be valid for the term of the contract. Individual purchase orders will be issued on a per occurrence basis when goods are required. Each purchase order will reference the particular goods to be provided and the master contract number.

PRODUCT INFORMATION: The bidder/offeror shall clearly and specifically identify the product being offered and enclose a complete and detailed descriptive literature, catalog cuts and specifications with the bid/proposal to enable the University to determine if the product offered meets the requirements of the solicitation. Failure to do so may cause the bid/proposal to be considered nonresponsive.

PUBLIC POSTING OF COOPERATIVE CONTRACTS: UMW maintains a web-based contracts database with a public gateway access. Any resulting cooperative contract to this solicitation will be posted to the publicly accessible website. Contents identified as proprietary information will not be made public.

IDENTIFICATION OF BID ENVELOPE: The signed bid (front page) must be returned in an envelope or package, sealed and identified as follows (on the outside of the package). The envelope should be addressed as directed on Page 1 of the solicitation.

BIDDER NAME:
BIDDER ADDRESS
IFB#: 19-828

DUE DATE:
IFB TITLE:

TIME DUE:

RENEWAL OF CONTRACT: This contract may be renewed by the University for 6 successive one year periods, or as negotiated, under the terms and conditions of the original contract. Price increases may be

1125 JEFFERSON DAVIS HWY., SUITE 480 Tel: 540/654-1127
FREDERICKSBURG, VA 22401-5300 Fax: 540/654-1168

negotiated only at the time of renewal. Written notice of the University's intention to renew shall be given approximately 90 days prior to the expiration of each contract period.

E-VERIFY PROGRAM: Effective 12/1/2013, and pursuant to Code of Virginia, §2.2-4308.2., any employer with more than an average of 50 employees for the previous 12 months entering into a contract in excess of \$50,000 with any agency of the Commonwealth to perform work or provide services pursuant to such contract shall register and participate in the E-Verify program to verify information and work authorization of its newly hired employees performing work pursuant to such public contract. Any such employer who fails to comply with these provisions shall be debarred from contracting with any agency of the Commonwealth for a period up to one year. Such debarment shall cease upon the employer's registration and participation in the E-Verify program. *If requested, the employer shall present a copy of their Maintain Company page from E-Verify to prove that they are enrolled in E-Verify.*

* When used: In all solicitations for services in excess of \$50,000.

NEGOTIATION WITH THE LOWEST BIDDER: Unless all bids are cancelled or rejected, the University reserves the right granted by § 2.2-4318 of the Code of Virginia to negotiate with the lowest responsive, responsible bidder to obtain a contract price within the funds available to the agency whenever such low bid exceeds the agency's available funds. For the purpose of determining when such negotiations may take place, the term "available funds" shall mean those funds which were budgeted by the agency for this contract prior to the issuance of the written Invitation for Bids. Negotiations with the low bidder may include both modifications of the bid price and the Scope of Work/Specifications to be performed. The agency shall initiate such negotiations by written notice to the lowest responsive, responsible bidder that its bid exceeds the available funds and that the agency wishes to negotiate a lower contract price. The times, places, and manner of negotiating shall be agreed to by the agency and the lowest responsive, responsible bidder.

SUBMISSION OF INVOICES: All invoices shall be submitted within thirty (30) days of contract term expiration for the initial contract period as well as for each subsequent contract renewal period. Any invoices submitted after the thirty (30) day period will not be processed for payment.

PRICE ESCALATION/DE-ESCALATION: Price adjustments may be permitted for changes in the contractor's cost of materials not to exceed the increase in the following index/indices: CPI-W. No price increases will be authorized for 365 calendar days after the effective date of the contract. Price escalation may be permitted only at the end of this period and each 365 days thereafter and only where verified to the satisfaction of the procurement services office. Any request for price increases shall be accompanied with supporting documentation. However, "across the board" price decreases are subject to implementation at any time and shall be immediately conveyed to the University. Contractor shall give not less than 30 days advance notice of any price increase to the procurement services office. Any approved price changes will be effective only at the beginning of the calendar month following the end of the full 30 day notification period. The contractor shall document the amount and proposed effective date of any general change in the price of materials. Documentation shall be supplied with the contractor's request for increase which will: (1) verify that the requested price increase is general in scope and not applicable just to the Commonwealth of Virginia; and (2) verify the amount or percentage of increase which is being passed on to the contractor by the contractor's suppliers. The procurement services office will notify the using agencies and contractor in writing of the effective date of any increase which it approves. However, the contractor shall fill all purchase orders received prior to the effective date of the price adjustment at the old contract prices. The contractor is further advised that decreases which affect the cost of materials are required to be communicated immediately to the procurement services office.

EXTRA CHARGES PROHIBITED: The bid price shall be complete; and shall include all applicable freight and any other charges; extra charges invoked by the contractor shall not be honored or paid. These charges, for example, shall include but not be limited to fees invoked by the vendor for the use of the credit card for payment of invoices, or any order-associated eVA fees. Credit card "check-out fees" or surcharges MUST be disclosed as a flat fee or percentage of invoice total with the bid, and shall be considered in the bid evaluation process. The University expects that these costs, as well as all contractor business expenses will be built into the contractor's quoted price. If the contractor's eVA profile indicates acceptance of a credit card in payment, the University will pay via credit card for invoices \$50,000.00 or less. The University reserves the right to request certification (with confirmation code) of the vendor's registration with its merchant bank/VISA to invoke "check-out fees" or surcharges for use of the credit card. "Check-out fees" or surcharges for use of the credit card shall not exceed the vendor's cost of acceptance rate.

PRODUCT AVAILABILITY/SUBSTITUTION: Substitution of a product, brand or manufacturer after the award of contract is expressly prohibited unless approved in writing by the Contact Officer. The Agency may, at its discretion, require the contractor to provide a substitute item of equivalent or better quality subject to the approval of the Contract Officer, for a price no greater than the contract price, if the product for which the contract was awarded becomes unavailable to the contractor.

MATERIAL SAFETY DATA SHEETS: Material Safety Data Sheets and descriptive literature shall be provided with the bid for each chemical and/or compound offered. Failure on the part of the bidder to submit such data sheets may be cause for a lower score for the bid.

WARRANTY OF MATERIALS AND WORKMANSHIP: The Contractor warrants that, unless otherwise specified, all materials and equipment incorporated in the work under the contract be new, in first class condition, and in accordance with the contract documents. The Contractor further warrants that all workmanship shall be of the highest quality and in accordance with contract documents and shall be performed by persons qualified at their respective trades. Work not conforming to these warranties shall be considered defective. This warranty of materials and workmanship is separate and independent from and in addition to any of the Contractor's other guarantees or obligations in this contract.

X. METHOD OF PAYMENT: The contractor shall be paid using one of the following three methods:

1. Small Purchase Charge Card (SPCC): At the time of verified receipt of goods or services, if the Contractor accepts credit cards in payment, the University will authorize payment by SPCC, currently Bank of America Visa. Any "Check-out fees" imposed by the contractor must be disclosed prior to the purchase and shall be detailed in a separate line item on the receipt at point of sale. No check-out fee or surcharge may be greater than 4% of the total sale. *If the contractor's eVA profile indicates acceptance of a credit card in payment, the Commonwealth will pay via credit card for invoices \$50,000.00 or less.*
2. "ePayables" through Bank of America: All payments under ePayables will have a *net 16* payment term. For more information about this payment option, please view <http://www.bankofamerica.com/epayablesvendors> or contact UMW's Accounts Payables department at payables@umw.edu.

1125 JEFFERSON DAVIS HWY., SUITE 480 Tel: 540/654-1127
FREDERICKSBURG, VA 22401-5300 Fax: 540/654-1168

3. Payment (by check or ACH) will be made 30 days after satisfactory performance of the contract in all provisions thereof and upon receipt of a properly completed invoice, whichever is later; in accordance with the Virginia Prompt Payment Act. Ref.: Code of Virginia, Sections 11-62.1 through 11-62.9; "Prompt Payment Act" memorandum issued by the Office of the Comptroller, June 27, 1984
4. ***To be considered eligible for payment, all invoices must be received at the following address and should reference the eVA purchase order and UMW contract numbers:***

*University of Mary Washington
Attn.: Accounts Payable
1301 College Avenue
Fredericksburg, VA 22401.*

1125 JEFFERSON DAVIS HWY., SUITE 480 Tel: 540/654-1127
FREDERICKSBURG, VA 22401-5300 Fax: 540/654-1168

XI. ATTACHMENTS:

SWAM Initiative Letter
Small Business Subcontracting Plan
Contractor Qualifications
Pricing Schedule

(Details for SWaM reporting can be located here:

<http://adminfinance.umw.edu/procurement/swam-2/swam-reporting/>)

ATTACHMENT A - SWAM INITIATIVE LETTER



UNIVERSITY OF
MARY WASHINGTON | Procurement Services

TO: University of Mary Washington Supplier Community
FROM: Lynne Richardson *LR* 12/12/17
Interim Vice President for Administration and Finance
RE: University Supplier Diversity Initiative

Greetings, University Supplier Community:

In order to achieve the University's mission of "providing a superior education that inspires and enables our students to make positive changes in the world," UMW relies on the support of its supplier community to provide necessary goods and services through its procurement processes.

A vital part of University procurement is its commitment to doing business with Virginia-certified small, women-owned, and minority-owned businesses and developing long-term partnerships in order to support both the mission of the University and the economic growth of the businesses in a fiscally responsible manner.

The University asks its suppliers to certify with the Department of Small Business and Supplier Diversity if qualified, or to show support for these certified businesses by establishing subcontracting alliances with these businesses. If vendors require assistance with small business certification, please contact the University's Small Business Development Center (SBDC) or the University's Procurement Services office.

Large businesses also play an important role in supporting the University's initiative by subcontracting work to Virginia-certified small businesses. If large businesses need assistance in locating small businesses for subcontracting, please visit the DSBSD website, or contact the University's Procurement Services office. Reporting small business subcontracting spend on a monthly or quarterly basis to the University's Procurement Services office is easy; a reporting template is located on Procurement's webpage: <http://adminfinance.umw.edu/procurement/swam-2/swam-reporting/>

As an agency of the Commonwealth of Virginia and as a community of globally minded citizens, this initiative is important to the University.

Again, the University thanks you for your continued support and partnership.

November 15, 2017

1125 JEFFERSON DAVIS HWY., SUITE 480 Tel: 540/654-1127
FREDERICKSBURG, VA 22401-5300 Fax: 540/654-1168

ATTACHMENT: B

Small Business Subcontracting Plan
MUST be completed and returned with Bid Package

DEFINITIONS:

Small Business: "Small business " means an independently owned and operated business which, together with affiliates, has 250 or fewer employees, or average annual gross receipts of \$10 million or less averaged over the previous three years.
Note: DSBSD-certified women- and minority-owned businesses shall also be considered small businesses when they have received DSBSD small business certification.

Women-Owned Business: Women-owned business means a business concern that is at least 51% owned by one or more women who are citizens of the United States or non-citizens who are in full compliance with United States immigration law, or in the case of a corporation, partnership or limited liability company or other entity, at least 51% of the equity ownership interest is owned by one or more women who are citizens of the United States or non-citizens who are in full compliance with United States immigration law, and both the management and daily business operations are controlled by one or more women who are citizens of the United States or non-citizens who are in full compliance with the United States immigration law.

Minority-Owned Business: Minority-owned business means a business concern that is at least 51% owned by one or more minority individuals or in the case of a corporation, partnership or limited liability company or other entity, at least 51% of the equity ownership interest in the corporation, partnership, or limited liability company or other entity is owned by one or more minority individuals and both the management and daily business operations are controlled by one or more minority individuals.

All small businesses must be certified by the Commonwealth of Virginia, Department of Small Business and Supplier Diversity (DSBSD) by the due date of the solicitation to participate in the SWAM program. Certification applications are available through DSBSD online at www.sbsd.virginia.gov (Customer Service).

Bidder Name: Sosmetal Products, Inc.

Preparer Name: John Minko **Date:** 06/20/18

Instructions

A. If you are certified by the Department of Small Business and Supplier Diversity (DSBSD) as a small business, complete only Section A of this form. This shall not exclude DSBSD-certified women-owned and minority-owned businesses when they have received DSBSD small business certification.

B. If you are not a DSBSD-certified small business, complete Section B of this form. For the bid to be considered and the bidder to be declared responsive, the bidder shall identify the portions of the contract that will be subcontracted to DSBSD-certified small business in Section B.

Section A

If your vendor is certified by the Department of Small Business and Supplier Diversity (DSBSD), are you certified as a (check only one below):

Small Business Small and Minority-owned Business Small and Women-owned Business

Certification# 694347 Date: 06/20/18

1125 JEFFERSON DAVIS HWY., SUITE 480 Tel: 540/654-1127
FREDERICKSBURG, VA 22401-5300 Fax: 540/654-1168

Section B

Populate the table below to show your vendor's plans for utilization of DSBSD-certified small businesses in the performance of this contract. This shall not exclude DSBSD-certified women-owned and minority-owned businesses that have received the DSBSD small business certification. Include plans to utilize small businesses as part of joint ventures, partnerships, subcontractors, suppliers, etc.

B. Plans for Utilization of DSBSD-Certified Small Businesses for this Procurement

Small Business Name & Address DSBSD Certificate #	Status if Small Business is also: Women (W), Minority (M)	Contact Person, Telephone & Email	Type of Goods and/or Services	Planned Involvement During Initial Period of the Contract	Planned Contract Dollars During Initial Period of the Contract
Totals \$					

ATTACHMENT C
Bidder Information/Qualification Sheet

1. Business Name and Address: Sosmetal Products, Inc. 2945 E. Tioga Street, Philadelphia, PA 19134
2. Ordering Address, if different than business address: _____
3. Toll Free Telephone Number: 1-800-441-8220
24/7 Telephone Number: _____
Facsimile Number: 1-800-237-7962
Email: _____
Website Address: www.sosmetal.com
4. Contact Person(s). At least two names requested.
Name: Albert Kramer
Phone: 215-739-6200 x8199
Email: akramer@sosmetal.com

Name: John Minko
Phone: 215-739-6200 X8118
Email: jminko@sosmetal.com
5. Check type of Organization
 - a. Corporation
 - b. Individual
 - c. Partnership
 - d. Joint Venture
 - e. Other
 - f. DUNS Number: _____
6. Years in Business 72-Years
7. In the past ten years, has your organization, or any officer, director, partner or owner, had judgments entered against it or them for breach of contract? Yes _____ No . If yes, include on a separate attachment the person or entity against whom the judgment was entered, the location and date of the judgement, describe the project involved, and explain the circumstances relating to the judgment, including the names, addresses and phone numbers of persons who may be contacted for additional information.
8. Convictions and Debarment:

1125 JEFFERSON DAVIS HWY., SUITE 480 Tel: 540/654-1127
FREDERICKSBURG, VA 22401-5300 Fax: 540/654-1168

If you answer yes to any of the following, include on a separate attachment the person or entity against whom the conviction or debarment was entered, the location and date of the conviction or debarment, describe the project involved, and explain the circumstances relating to the conviction or debarment, including the names, addresses and phone numbers of persons who may be contacted for additional information.

- a. In the past ten years has your organization or any officer, director, partner, owner, project manager, procurement manager or chief financial officer of your organization:
- i. Ever been found guilty on charges relating to conflicts of interest? Yes ___ No .
 - ii. Ever been convicted on criminal charges relating to contracting, bid rigging or bribery? Yes ___ No .
 - iii. Ever been convicted (i) under VA Code Section 2.2-4367 et. seq. (Ethics in Public Contracting); (ii) under VA Code Section 18.2-498.1 et. seq. (VA Government Frauds Act); (iii) under VA Code Section 59.1-68.6 et. seq. (Conspiracy to Rig Bids); or (iv) of violating any substantially similar federal law or law of another state? Yes _____ No .
- b. Has your organization or any officer, director, partner or owner ever been debarred or enjoined from doing federal, state or local government work for any reason? Yes ___ No .

Compliance:

If you answer yes to any of the following, include on a separate attachment the date of the termination order, or payment, explain the circumstances relating to the same, including the names, addresses and phone numbers of persons who may be contacted for additional information.

1. In the past five years has your organization:
- a. Ever been terminated on a contract for cause? Yes ___ No .
 - b. Ever made payment of actual and/or liquidated damages for failure to complete a contract for any reason? Yes ___ No .

Signature:

The undersigned certifies that the information contained in this Statement of Qualifications and attachments hereto are complete, true, and correct:

Signature: _____

Printed Name: Albert Kramer

Title: Vice-President

Date: 6/18/2018

COMMONWEALTH OF VIRGINIA



DEPARTMENT OF SMALL BUSINESS & SUPPLIER DIVERSITY

101 N. 14th Street, 11th Floor
Richmond, VA 23219

SOSMETAL PRODUCTS, INC.

is a certified Small

Business meeting all the requirements set forth under the Code of Virginia Section 2.2-16.1 et seq.
and Administrative Code 7VAC 13-20 et seq.

Certification Number: 694347
Valid Through: Apr 11, 2023

Accordingly Certified

A handwritten signature in black ink, appearing to read "Tracey G. Wiley".

Tracey G. Wiley, Director

CERTIFIED

SWaM

Small,
Women and
Minority-Owned

Supplier Diversity Strengthens the Commonwealth
by the Virginia Department of Small Business & Supplier Diversity

GRADE 5 CAP SCREWS / HEX NUTS / WASHERS

Cap screws outlined in box below are not made by Infasco. Manufacturer and country of origin can only be determined at time of order.

Used universally by industrial, maintenance, automotive, and fleets.

- Minimum tensile strength 120,000 PSI.
- Medium carbon steel, quenched & tempered.
- Sizes 1-1/8" x 3 to 1-1/2" x 12" are non-stock. Allow 2-3 weeks for delivery.



Protected by LUSTERPLATE™ against rust & corrosion

CAP SCREWS

A10

QTY		LENGTH	DIAMETER													
			1/4	5/16	3/8	7/16	1/2	9/16	5/8	3/4	7/8	1	1-1/8	1-1/4	1-1/2	
	1/2	USS	502100	502111	502122											
		SAE	502300	502311	502322											
	5/8	USS	502257	502258	502259											
		SAE	502457	502458	502459											
	3/4	USS	502101	502112	502123	502135	502147									
		SAE	502301	502312	502323	502335	502347									
200	1	USS	502102	502113	502124	502136	502148	502161	502174	502187						
		SAE	502302	502313	502324	502336	502348	502361	502374	502387						
	1-1/4	USS	502103	502114	502125	502137	502149	502162	502175	502188						
		SAE	502303	502314	502325	502337	502349	502362	502375	502388						
	1-1/2	USS	502104	502115	502126	502138	502150	502163	502176	502189	502200	502211				
		SAE	502304	502315	502326	502338	502350	502363	502376	502389	502400	502411				
	1-3/4	USS	502105	502116	502127	502139	502151	502164	502177	502190	502201	502212				
		SAE	502305	502316	502327	502339	502351	502364	502377	502390	502401	502412				
	2	USS	502106	502117	502128	502140	502152	502165	502178	502191	502202	502213				
		SAE	502306	502317	502328	502340	502352	502365	502378	502391	502402	502413				
	2-1/4	USS	502222	502225	502230	502236	502242	502246	502247	502251	502255					
		SAE	502422	502425	502430	502436	502442	502446	502447	502451	502455					
	2-1/2	USS	502107	502118	502129	502141	502153	502166	502179	502192	502203	502214				
		SAE	502307	502318	502329	502341	502353	502366	502379	502392	502403	502414				
100	2-3/4	USS	502223	502226	502231	502237	502243		502248	502252						
		SAE	502423	502426	502431	502437	502443		502448	502452						
	3	USS	502108	502119	502130	502142	502154	502167	502180	502193	502204	502215	402662	402677		
		SAE	502308	502319	502330	502342	502354	502367	502380	502393	502404	502415	402762	402777		
	3-1/4	USS	502224	502227	502232	502238	502244		502249	502253	502256					
		SAE	502424	502427	502432	502438	502444		502449	502453	502456					
	3-1/2	USS	502109	502120	502131	502143	502155	502168	502181	502194	502205	502216	402663	402678		
		SAE	502309	502320	502331	502343	502355	502368	502381	502394	502405	502416	402763	402778		
50	3-3/4	USS			502233	502239	502245		502250	502254						
		SAE			502433	502439	502445		502450	502454						
	4	USS	502110	502121	502132	502144	502156	502169	502182	502195	502206	502217	402664	402679	402692*	
		SAE	502310	502321	502332	502344	502356	502369	502382	502395	502406	502417	402764	402779		
	4-1/2	USS	402601	502228	502133	502145	502157	502170	502183	502196	502207	502218	402665	402680	402693*	
		SAE	402701	502428	502333	502345	502357	502370	502383	502396	502407	502418	402765	402780		
	5	USS	402602	502229	502134	502146	502158	502171	502184	502197	502208	502219	402666	402681	402694*	
		SAE	402702	502429	502334	502346	502358	502371	502384	502397	502408	502419	402766	402781		
	5-1/2	USS	402603	402609	502234	502240	502159	502172	502185	502198	502209	502220	402667	402682	402695*	
		SAE	402703	402709	502434	502440	502359	502372	502385	502398	502409	502420	402767	402782		
10	6	USS	402604	402610	502235	502241	502160	502173	502186	502199	502210	502221	402668	402683	402696*	
		SAE	402704	402710	502435	502441	502360	502373	502386	502399	502410	502421	402768	402783		
	6-1/2	USS	402605	402611	402615	402619	402623		402630	402638	402646	402654	402669	402684		
		SAE	402705	402711	402715	402719	402723		402730	402738	402746	402754	402769	402784		
	7	USS	402606	402612	402616	402620	402624		402631	402639	402647	402655	402670	402685	402697*	
		SAE	402706	402712	402716	402720	402724		402731	402739	402747	402755	402770	402785		
	7-1/2	USS	402607	402613	402617	402621	402625		402632	402640	402648	402656	402671	402686		
		SAE	402707	402713	402717	402721	402725		402732	402740	402748	402756	402771	402786		
	8	USS	402608	402614	402618	402622	402626		402633	402641	402649	402657	402672	402687	402698*	
		SAE	402708	402714	402718	402722	402726		402733	402741	402749	402757	402772	402787		
5	8-1/2	USS					402627		402634	402642	402650	402658	402673	402688		
		SAE							402734	402742	402750	402758	402773	402788		
	9	USS					402628		402635	402643	402651	402659	402674	402689		
		SAE							402735	402743	402751	402759	402774	402789		
	9-1/2	USS							402644	402652	402660	402667	402682			
		SAE							402744	402752	402760	402767	402782			
2	10	USS					402629		402636	402645	402653	402661	402676	402691	402699*	
		SAE							402736	402745	402753	402761	402776	402791		
1	12	USS							402637							
		SAE							402737*							
	HEX NUTS	USS	503260	503262	503264	503266	503268	503270	503272	503274	503276	503278	503280	503282	503284	
		SAE	503261	503263	503265	503267	503269	503271	503273	503275	503277	503279	503281	503283	503285	
	LOCK WASHERS	ALL	50815	50816	50817	50818	50819	50820	50821	50822	50823	50824	50825	50826	50827	
		QTY	400	200	200	200	100	100	100	50	50	25	25	25	25	
	FLAT WASHERS	USS	50906	50907	50908	50909	50910	50911	50912	50913	50914	50915	50916	50917	50918	
		SAE	50924	50925	50926	50927	50928	50929	50930	50931	50932	50933	50934	50935	50936	
	THREADS PER INCH	USS	20	18	16	14	13	12	11	10	9	8	7	7	6	
		SAE	28	24	24	20	20	18	18	16	14	14	12	12	12	

* Black finish only.

NUTS

*Product standards require all grade-marked nuts 1/4" diameter and larger to have a raised or depressed insignia identifying its manufacturer. "X" represents one location such an insignia may appear.

GRADE 8 ALLOY HEX NUTS

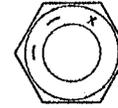
For use with Grade 8 Cap Screws

● Minimum 150,000 PSI proof load.

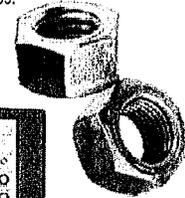
Protected by
ZINC-YELLOW DICHROMATE™
against rust & corrosion

A11

SIZE	PART NO. USS THREAD	PART NO. SAE THREAD	WRENCH SIZE	NUT HEIGHT	QTY	SIZE	PART NO. USS THREAD	PART NO. SAE THREAD	WRENCH SIZE	NUT HEIGHT	QTY
1/4	502675	502676	7/16	7/32	100	7/8	502691	502692	1-5/16	3/4	10
5/16	502677	502678	1/2	17/64	100	1	502693	502694	1-1/2	55/64	10
3/8	502679	502680	9/16	21/64	100	1-1/8	502695	502696	1-11/16	31/32	1
7/16	502668*	502669†	5/8	3/8	25	1-1/4	502697	502698	1-7/8	1-1/16	1
7/16	502681	502682	11/16	3/8	50	1-3/8	502671	502672	2-1/16	1-11/64	1
1/2	502683	502684	3/4	7/16	50	1-1/2	502699	502670	2-1/4	1-9/32	1
9/16	502685	502686	7/8	31/64	30	1-3/4	502673	---	2-5/8	1-1/2	1
5/8	502687	502688	15/16	35/64	30	2	502674	---	3	1-23/32	1
3/4	502689	502690	1-1/8	41/64	20	---	---	---	---	---	---



Approved style of grade marking
as issued by SAE J995,
revised July 1999.



Asst. No.
501092 is
shown here.

† Not included in assortments.

Sizes: 1/4" through 9/16"

USS (COARSE)

Part No. 502001

103 pieces • 6 items
12028 plastic tray

502675 502679 502683
502677 502681 502685

Numbers in assortment

Sizes: 1/4" through 9/16"

SAE (FINE)

Part No. 502002

103 pieces • 6 items
12028 plastic tray

502676 502680 502684
502678 502682 502686

Numbers in assortment

MASTER ASSORTMENT

Sizes: 1/4" through 1"

USS (COARSE) & SAE (FINE)

Part No. 501092

204 pieces • 20 items • 12071 steel tray

502675 502679 502683 502687 502691
502676 502680 502684 502686 502692
502677 502681 502685 502689 502693
502678 502682 502686 502690 502694

Numbers in assortment

GRADE 5 HEX NUTS

For use with Grade 5 Cap Screws

● Minimum proof load

USS 1/4 - 1" = 120,000 PSI

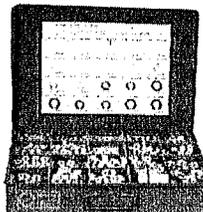
USS 1 - 1-1/2" = 105,000 PSI

SAE 1/4 - 1" = 109,000 PSI

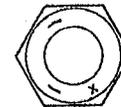
SAE 1 - 1-1/2" = 94,000 PSI

Protected by
LUSTERPLATE™
against rust & corrosion

SIZE	PART NO. USS THREAD	PART NO. SAE THREAD	WRENCH SIZE	NUT HEIGHT	QTY
1/4	503260	503261	7/16	7/32	100
5/16	503262	503263	1/2	17/64	100
3/8	503264	503265	9/16	21/64	100
7/16	503266	503267	11/16	3/8	50
1/2	503268	503269	3/4	7/16	50
9/16	503270	503271	7/8	31/64	25
5/8	503272	503273	15/16	35/64	25
3/4	503274	503275	1-1/8	41/64	25
7/8	503276	503277	1-5/16	3/4	10
1	503278	503279	1-1/2	55/64	10
1-1/8	503280	503281	1-11/16	31/32	5
1-1/4	503282	503283	1-7/8	1-1/16	5
1-1/2	503284	503285	2-1/4	1-9/32	5



Asst. No.
501530 is
shown here.



Approved style of grade marking
as issued by SAE J995,
revised July 1999.



Sizes: 1/4" through 9/16"

USS (COARSE)

Part No. 503026

103 pieces • 6 items
12028 plastic tray

503260 503264 503268
503262 503266 503270

Numbers in assortment

Sizes: 1/4" through 9/16"

SAE (FINE)

Part No. 503027

103 pieces • 6 items
12028 plastic tray

503261 503265 503269
503263 503267 503271

Numbers in assortment

MASTER ASSORTMENT

Sizes: 1/4" through 1"

USS (COARSE) & SAE (FINE)

Part No. 501530

204 pieces • 20 items • 12071 steel tray

503260 503264 503268 503272 503276
503261 503265 503269 503273 503277
503262 503266 503270 503274 503278
503264 503267 503271 503275 503279

Numbers in assortment



NUTS

STANDARD GRADE HEX NUTS

Protected by **LUSTERPLATE™** against rust & corrosion

For use with Grade 5 or Lower Cap Screws & Bolts

- Minimum 90,000 PSI proof load.



Asst. No. 51202 is shown here.

SIZE	PART NO. USS THREAD	PART NO. SAE THREAD	WRENCH SIZE	NUT HEIGHT	QTY	SIZE	PART NO. USS THREAD	PART NO. SAE THREAD	WRENCH SIZE	NUT HEIGHT	QTY
1/4	51205	51206	7/16	7/32	200	5/8	51217	51218	15/16	35/64	100
5/16	51207	51208	1/2	17/64	200	3/4	51219	51220	1-1/8	41/64	50
3/8	51209	51210	9/16	21/64	200	7/8	51221	51222	1-5/16	3/4	20
7/16	51231*	51232*	5/8	3/8	50	1	51223	51224	1-1/2	55/64	20
7/16	51211	51212	11/16	3/8	100	1-1/8	51225	51226	1-11/16	31/32	20
1/2	51213	51214	3/4	7/16	100	1-1/4	51227	51228	1-7/8	1-1/16	20
9/16	51215	51216	7/8	31/64	100	1-1/2	51229	51230	2-1/4	1-9/32	10

* Not included in assortments.

MASTER ASSORTMENT
 Sizes: 1/4" through 1"
 USS (COARSE)
 Part No. 501614
 195 pieces • 10 items • 12061 steel tray

51205	51209	51213	51217	51221
51207	51211	51215	51219	51223

Numbers in assortment

Sizes: 1/4" through 9/16"
 USS (COARSE)
 Part No. 51201
 150 pieces • 6 items
 12028 plastic tray

51205	51209	51213
51207	51211	51215

Numbers in assortment

Sizes: 1/4" through 9/16"
 SAE (FINE)
 Part No. 51202
 150 pieces • 6 items
 12028 plastic tray

51206	51210	51214
51208	51212	51216

Numbers in assortment

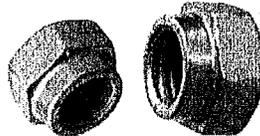
A11

L9® PREVAILING TORQUE LOCK NUTS

Protected by **CADMIUM WAXED YELLOW DICHROMATE™** against rust & corrosion

Withstands severe vibration and shock in critical areas. Also suitable for high temperature environments.

- Proof stress 150,000 PSI maximum.
- For use with L9® cap screws.
- Meets IFI, ANSI and SAE specs.

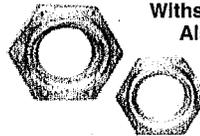


SIZE	PART NO. USS THREAD	PART NO. SAE THREAD	WRENCH SIZE	MAX TORQUE (FT/LBS) USS	MAX. TORQUE (FT/LBS) SAE	QTY
1/4	602921	602931	7/16	10.5	10.5	50
5/16	602922	602932	1/2	16.0	17.0	50
3/8	602923	602933	9/16	29.0	30.0	50
7/16	602924	602934	11/16	44.0	45.0	25
1/2	602925	602935	3/4	66.0	69.0	25
9/16	602926	602936	7/8	95.0	100.0	25
5/8	602927	602937	15/16	122.5	130.0	25
3/4	602928	602938	1-1/8	210.0	210.0	10
7/8	602929	602939	1-5/16	310.0	310.0	5
1	602930	602940	1-1/2	460.0	495.0	5

GRADE 8 PREVAILING TORQUE LOCK NUTS

Protected by **LUSTERPLATE™** against rust & corrosion

- Proof stress 150,000 PSI maximum. For use with Grade 8 cap screws, B-7 rods and studs.
- Meets IFI, ANSI and SAE specs for Class 'C'.



Withstands severe vibration and shock in critical areas. Also suitable for high temperature environments.

Sizes: 1/4" through 3/4"
 USS (COARSE) & SAE (FINE)
 Part No. 501095L
 280 pieces • 16 items
 12050 steel tray

404101	404105	404115	404119
404102	404106	404116	404120
404103	404107	404117	404121
404104	404108	404118	404122

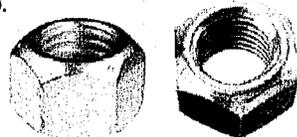
1/2 QUANTITY AVAILABLE ORDER NO. 501095M
 Numbers in assortment

SIZE	PART NO. USS THREAD	PART NO. SAE THREAD	WRENCH SIZE	MAX TORQUE (FT/LBS) USS	MAX. TORQUE (FT/LBS) SAE	QTY
1/4	404101	404115	7/16	10.5	10.5	50
5/16	404102	404116	1/2	16.0	17.0	50
3/8	404103	404117	9/16	29.0	30.0	50
7/16	404104	404118	11/16	44.0	45.0	50
1/2	404105	404119	3/4	66.0	69.0	24
9/16	404106	404120	7/8	95.0	100.0	24
5/8	404107	404121	15/16	122.5	130.0	20
3/4	404108	404122	1-1/8	210.0	210.0	20
7/8	404109	404123	1-5/16	310.0	310.0	8
1	404110	404124	1-1/2	460.0	495.0	8

GRADE 5 PREVAILING TORQUE LOCK NUTS

Protected by **LUSTERPLATE™** against rust & corrosion

- Proof stress 120,000 PSI maximum. For use with Grade 5 cap screws.
- Meets IFI, ANSI and SAE specs and MS-51922, MS-51943, MS-51988, MS-21045, MS-21046, NAS-1408, NAS-1409.



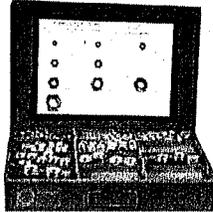
Used wherever there are vibration problems. Trucks, automobile, factories, farming, construction.

SIZE	PART NO. USS THREAD	PART NO. SAE THREAD	WRENCH SIZE	MAX TORQUE (FT/LBS) USS	MAX. TORQUE (FT/LBS) SAE	QTY
1/4	503125	503135	7/16	7.0	7.25	50
5/16	503126	503136	1/2	13.5	13.5	50
3/8	503127	503137	9/16	19.5	22.0	50
7/16	503128	503138	11/16	33.5	33.5	50
1/2	503129	503139	3/4	50.0	52.0	25
9/16	503130	503140	7/8	69.0	75.0	25
5/8	503131	503141	15/16	95.0	97.5	20
3/4	503132	503142	1-1/8	155.0	165.0	20

NUTS

GRADE 5 NYLON INSERT LOCK NUTS

Protected by
LUSTERPLATE™
against rust & corrosion



- Minimum proof load - USS 120,000 PSI & SAE 109,000 PSI.
- Positive locking action resists vibration.
- Reusable. Nylon collar actually recovers.
- For use with Grade 5 fasteners.



VALUE PACK
BOX OF 25
VOLUME USER
DISCOUNT

Assortment Photo for illustration purposes only.
Actual Contents may vary.

SIZE	PART NO. USS THREAD	PART NO. SAE THREAD	WRENCH SIZE	NUT HEIGHT	QTY
1/4	514175	514185	7/16	5/16	10
5/16	514176	514186	1/2	11/32	10
3/8	514177	514187	9/16	29/64	10
7/16	514178	514188	5/8	29/64	10
1/2	514179	514189	3/4	19/32	10
9/16	514180	514190	7/8	41/64	5
5/8	514181	514191	15/16	3/4	5
3/4	514182	514192	1-1/16	7/8	5
7/8	514183	514193	1-1/4	63/64	2
1	514184	514194	1-7/16	1-3/64	2

A11

Sizes: 1/4" through 1"*
*9/16" not included
USS (COARSE)
Part No. 501568
96 pieces • 9 items • 12061 steel tray

514175 514177 514179 514182 514184
514176 514178 514181 514183

Numbers in assortment

Sizes: 1/4" through 1/2"
USS (COARSE)
Part No. 514005
55 pieces • 5 items
12028 plastic tray

514175 514177 514179
514176 514178

Numbers in assortment

Sizes: 1/4" through 1/2"
SAE (FINE)
Part No. 514006
55 pieces • 5 items
12028 plastic tray

514185 514187 514189
514186 514188

Numbers in assortment

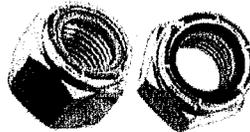
NYLON INSERT LOCK NUTS

Sizes: 3/16" through 3/4"
USS (COARSE) & SAE (FINE)
Part No. 501003
240 pieces • 16 items
12017 steel tray

51151 51154 51157 51160 51165 51188
51152 51155 51158 51161 51166
51153 51156 51159 51162 51167

Numbers in assortment

- Positive locking action resists vibration.
- Reusable. Nylon collar actually recovers.
- For use with Grade 2 & 5 fasteners.



Protected by
LUSTERPLATE™
against rust & corrosion

SIZE	PART NO. USS THREAD	PART NO. SAE THREAD	WRENCH SIZE	NUT HEIGHT	QTY
No. 4	51148	---	1/4	9/64	100
No. 6	51149	---	5/16	3/16	100
No. 8	51150	---	11/32	15/64	100
10-24*	51151	---	3/8	15/64	50
10-32*	---	51152†	3/8	15/64	50
No. 12	51147	---	7/16	5/16	100
1/4	51153	51154	7/16	5/16	100
5/16	51155	51156	1/2	11/32	100
3/8	51157	51158	9/16	29/64	50
7/16	51161	51162	5/8	29/64	50
1/2	51159	51160	3/4	19/32	50
9/16	51163	51164	7/8	41/64	24
5/8	51165	51166	15/16	3/4	24
3/4	51167	51168	1-1/16	7/8	10
7/8	51169	51170	1-1/4	63/64	10
1	51188	51189	1-7/16	1-3/64	10

Sizes: No. 4 through 1"
USS (COARSE)
Part No. 501616
398 pieces • 16 items
12050 steel tray

51147 51160 51163 51169 51165 51188
51148 51161 51155 51161 51167
51149 51162 51157 51163 51169

Numbers in assortment

Sizes: 1/4" through 1/2"
USS (COARSE) & SAE (FINE)
Part No. 51106
118 pieces • 10 items
12027 plastic tray

51153 51155 51157 51159 51161
51154 51156 51158 51160 51162

Numbers in assortment

*3/16 size †Also contained in Asst. No. 501616

SAE HI-NYLON LOCK NUTS

● SAE (fine) thread.
● Remains locked where other nuts fail.

Sizes: 3/8" through 3/4"
Part No. 503015
16 pieces • 4 items
12034 plastic tray

503392 503394
503393 503395

Numbers in assortment

- Extra high nut height for an increased gripping area.

Protected by
LUSTERPLATE™
against rust & corrosion

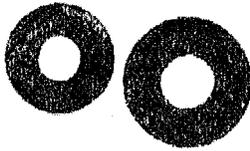


SIZE	PART NUMBER	WRENCH SIZE	NUT HEIGHT	QTY
3/8	503392	9/16	41/64	12
1/2	503393	3/4	13/16	6
5/8	503394	15/16	1	6
3/4	503395	1-1/16	1-1/4	6
7/8	503396	1-1/4	1-7/16	3
1	503397	1-7/16	1-43/64	3



WASHERS

GALVANIZED WASHERS



BOLT SIZE	PART NUMBER	QTY
1/4	603136	50
5/16	603137	50
3/8	603138	50
1/2	603139	25
5/8	603140	10

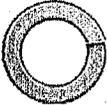
- Hot dipped galvanized for superior corrosion resistance.
- For use with USS (coarse thread) galvanized bolts.

Part No. 601051
165 pieces • 5 items
12047 plastic tray

603136 603138 603140
603137 603139

Numbers in assortment

SUPRALLOY HIGH STRENGTH SPLIT LOCK WASHERS



- Special high carbon alloy steel for greater tension.
- Tighter assemblies, reusable without loss of tension.
- Won't gouge mating surfaces.
- Baked Yellow Zinc Dichromate finish eliminates rust.
- Used with Grade 8 cap screws.

Part No. 504011
300 pieces • 6 items
12028 plastic tray

504285 504287 504289
504286 504288 504290

Numbers in assortment

SIZE	PART NUMBER	QTY	SIZE	PART NUMBER	QTY
1/4	504285	100	3/4	504292	25
5/16	504286	100	7/8	504293	25
3/8	504287	100	1	504294	25
7/16	504288	100	1-1/8	504295	25
1/2	504289	100	1-1/4	504296	25
9/16	504290	50	1-3/8	504298	10
5/8	504291	50	1-1/2	504297	25

Part No. 501620
385 pieces • 10 items
12061 steel tray

504285 504287 504289 504291 504293
504286 504288 504290 504292 504294

Numbers in assortment

STANDARD SPLIT LOCK WASHERS



- Non-linking, high carbon spring steel.
- Reusable without loss of locking power.
- Used with Grade 5 or Grade 2 cap screws.

Protected by LUSTERPLATE™ against rust & corrosion

SIZE	PART NUMBER	QTY	SIZE	PART NUMBER	QTY
No. 4	50810	500	5/8	50821	100
No. 6	50811	500	3/4	50822	50
No. 8	50812	500	7/8	50823	50
No. 10*	50813	500	1	50824	25
No. 12	50814	500	1-1/8	50825	25
1/4	50815	400	1-1/4	50826	25
5/16	50816	200	1-3/8	50828	10
3/8	50817	200	1-1/2	50827	25
7/16	50818	200	1-3/4	50829	5
1/2	50819	100	2	50830	2
9/16	50820	100			

Part No. 501619
750 pieces • 15 items
12050 steel tray

50810 50813 50816 50819 50822
50811 50814 50817 50820 50823
50812 50815 50818 50821 50824

Numbers in assortment

* 3/16 size

HIGH COLLAR SPLIT LOCK WASHERS



- Use high collar lock washers with socket head cap screws.

Protected by LUSTERPLATE™ against rust & corrosion

SIZE	PART NUMBER	QTY	SIZE	PART NUMBER	QTY
No. 8	504261	100	1/2	504267	50
No. 10†	504262	100	5/8	504268	50
1/4	504263	100	3/4	504269	25
5/16	504264	100	7/8	504270	25
3/8	504265	100	1	504271	25
7/16	504266	100			

Part No. 501621
436 pieces • 11 items
12061 steel tray

504261 504264 504267 504270
504262 504265 504268 504271
504263 504266 504269

Numbers in assortment

† 3/16 size

GALVANIZED LOCK WASHERS

SIZE INCHES	PART NUMBER	QTY
1/4	603142	100
5/16	603143	100
3/8	603144	100
1/2	603145	50
5/8	603146	25



- Hot dipped galvanized for superior corrosion protection.
- High carbon spring steel.

Part No. 601052
262 pieces • 5 items
12047 plastic tray

603142 603143 603144 603145 603146

Numbers in assortment

SHEET METAL SCREWS

SLOTTED PAN (BINDING) HEAD SHEET METAL SCREWS

Protected by
LUSTERPLATE™
against rust & corrosion



- Deep slotted head
- Extra sharp point
- Case hardened steel
- Clean sharp threads

Sizes: 4 x 3/8"
through 14 x 1-1/4"
Part No. 501014
75 pieces • 24 items
12017 steel tray

27101	27114	27123	27129	27139
27106	27115	27125	27134	27142
27107	27117	27126	27136	27144
27109	27119	27127	27137	27145
27111	27120	27128	27138	

Numbers in assortment

LENGTH	DIA. NO. 4		DIA. NO. 6		DIA. NO. 8		DIA. NO. 10		DIA. NO. 12		DIA. NO. 14 (1/4)			
	PART NUMBER	QTY	PART NAME	QTY										
1/4	27100	200	27105	200	---	---	---	---	---	---	---	---		
3/8	27101	200	27106	200	27114	200	27122	200	27161	100	---	---		
1/2	27102	200	27107	200	27115	200	27123	200	27132	200	27140	200		
5/8	27103	200	27108	200	27116	200	27124	200	27133	200	27141	200		
3/4	27104	200	27109	200	27117	200	27125	200	27134	200	27142	200		
7/8	---	---	27110	200	27118	200	27126	200	27135	200	27143	200		
1	---	---	27111	200	27119	200	27127	200	27136	200	27144	200		
1-1/4	---	---	27112	100	27120	100	27128	100	27137	100	27145	100		
1-1/2	---	---	27113	100	27121	100	27129	100	27138	100	27146	100		
1-3/4	---	---	---	---	---	---	27149	50	27130	100	---	27147	100	
2	---	---	---	---	---	---	27150	50	27131	100	27139	100	27148	100
2-1/2	---	---	---	---	---	---	27151	25	27153	25	27155	25	27157	25
3	---	---	---	---	---	---	27152	25	27154	25	27156	25	27158	25

PAN HEAD PHILLIPS SHEET METAL SCREWS

Protected by
LUSTERPLATE™
against rust & corrosion



- Extra sharp point.
- Case hardened steel.
- Clean sharp threads.

Sizes: 6 x 1/2" through 14 x 1"
Part No. 505025
270 pieces • 12 items • 12030 plastic tray

505101	505105	505109	505114	505124	505129
505103	505107	505115	505118	505125	505130

Numbers in assortment

Sizes: 6 x 3/8" through 14 x 2"
Part No. 501004*
540 pieces • 24 items
12017 steel tray

505100	505106	505112	505118	505124	505129
505101	505107	505114	505120	505125	505130
505103	505109	505115	505122	505127	505132
505105	505111	505116	505123	505128	505134

Numbers in assortment

LENGTH	DIA. NO. 6		DIA. NO. 8		DIA. NO. 10		DIA. NO. 12		DIA. NO. 14 (1/4)	
	PART NUMBER	QTY	PART NAME	QTY						
1/4	505179	200	---	---	---	---	---	---	---	---
3/8	505100	200	505106	200	505182	200	---	---	---	---
1/2	505101	200	505107	200	505114	200	505123	100	505128	200
5/8	505102	100	505108	100	505115	100	505183	100	505195	100
3/4	505103	100	505109	100	505116	100	505124	100	505129	100
7/8	505104	100	505110	100	505117	100	---	---	---	---
1	505105	100	505111	100	505118	100	505125	100	505130	100
1-1/4	---	---	505112	100	505119	100	505126	100	505131	100
1-1/2	---	---	505113	100	505120	100	505127	100	505132	100
1-3/4	---	---	505180	50	505121	50	---	---	505133	50
2	---	---	505181	50	505122	50	505184	50	505134	50
2-1/2	---	---	505940	25	505942	25	505944	25	505946	25
3	---	---	505941	25	505943	25	505945	25	505947	25

*Complete Assortment Refills for Top "20" Assortment are available and are shipped in a corrugated tray (just add RF to Part No.)

PAN HEAD PHILLIPS SHEET METAL SCREWS

Protected by
BLACK OXIDE FINISH™
against rust & corrosion



- Black oxide finish - glare preventive.
- Extra sharp point.
- Case hardened steel.
- Clean sharp threads.

Sizes: 4 x 1/4" through 10 x 1-1/2"
Part No. 501737
525 pieces • 18 items
12071 steel tray

505750	505755	505759	505763	717520
505751	505756	505760	505764	717521
505752	505757	505761	505765	
505753	505758	505762	717519	

Numbers in assortment

LENGTH	DIA. NO. 4		DIA. NO. 6		DIA. NO. 8		DIA. NO. 10	
	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NAME	QTY
1/4	505750	50	---	---	---	---	---	---
3/8	505751	50	---	---	---	---	---	---
1/2	505752	50	505755	25	717519	25	505761	25
3/4	505753	25	505756	25	717520	25	505762	25
1	---	---	505757	25	717521	25	505763	25
1-1/4	---	---	505758	25	505759	25	505764	25
1-1/2	---	---	---	---	505760	25	505765	25

A15

SAW BLADES

FIRE & RESCUE RECIPROCATING SAW BLADES

When seconds count and lives are on the line, only the best will do! These are the blades preferred by professional firefighters.

- Wavy set reduces pinching during cuts.
- .062" blades thickness for little or no bending.
- Available in 6", 9" and 12" lengths.
- Bi-metal construction with a long lasting cutting edge.
- Thicker than most, significantly outlast & outperforms standard blades.
- Cuts smoothly through a variety of materials, without binding.
- Won't vibrate or whip from side to side.
- Use for fire & rescue, demolition, & non-ferrous metals.

PSS121610

PART NUMBER	PACKAGE QUANTITY	LENGTH / TPI	PART NUMBER	PACKAGE QUANTITY	LENGTH / TPI
114460	3 pk.	6" 10 TPI	114220	3 pk.	6" 14 TPI
114461	20 pk.	6" 10 TPI	114221	20 pk.	6" 14 TPI
114462	3 pk.	9" 10 TPI	114222	3 pk.	9" 14 TPI
114463	20 pk.	9" 10 TPI	114223	20 pk.	9" 14 TPI
114464	3 pk.	12" 10 TPI	114224	3 pk.	12" 14 TPI
114465	20 pk.	12" 10 TPI			

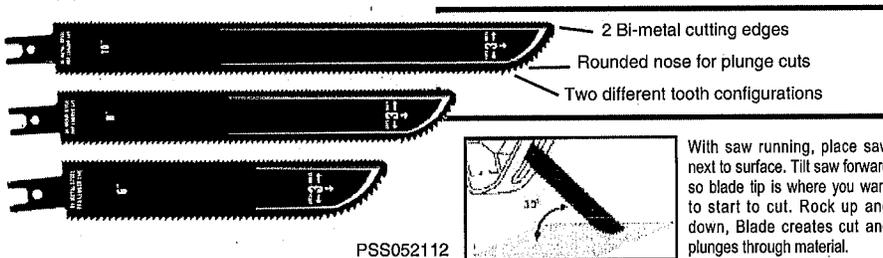


D10C

TRIPLE EDGE RECIPROCATING SAW BLADES

The ONLY blade that cuts in either direction without turning over the saw!

- Bi-metal steel for longer life.
- Teeth on opposing edges for two-way cutting.
- Rounded tip prevents kickback.
- Saves time in changing blades.
- Plunge cuts - no pre-drilling.
- Fits most reciprocating saws.
- Back & forth cutting - without turning the saw.
- Cuts wood, sheet metal, MDF, plastic and steel pipe.
- Two pronged tang for stability and control.



PSS052112

PART NUMBER	LENGTH	TEETH PER INCH	PKG QTY
114562	6"	7 x 7	5
114563	8"	7 x 7	5
114564	10"	7 x 7	5
114565	6"	7 x 10	5
114566	8"	7 x 10	5
114567	10"	7 x 10	5
114534	6"	10 x 14	5
114538	8"	10 x 14	5
114539	10"	10 x 14	5

TRIPLE EDGE RECIPROCATING SAW BLADE ASSORTMENT



Part No. 501823
18 pieces • 9 items
12116 steel tray

114534	114562	114565
114538	114563	114566
114539	114564	114567

Numbers in assortment

FIRE & RESCUE and TRIPLE EDGE RECIPROCATING SAW BLADE ASSORTMENT



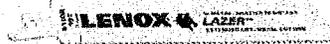
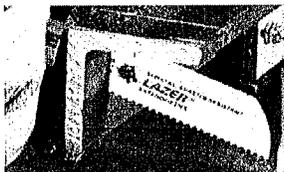
Part No. 501765
18 pieces • 6 items
12116 steel tray

114460	114464	114538
114462	114534	114539

Numbers in assortment

LAZER RECIPROCATING SAW BLADES

For heavy metal cutting.



- Lasts 45% longer than the leading competitor's blade.
- Greater strength and durability. Unique blade geometry reinforces traditional weak areas, creating stronger and more durable blades.

- Shatter resistant Bi-metal blades bend and resist breaking & extend blade life.
- Optimized performance Thicker (.042) and wider (1") blades minimize whipping for straighter and smoother cuts.
- Cobalt cutting edge is electron beam welded to bi-metal backer for greater wear resistance and longer life.

PART NUMBER	L x W x THK	TEETH PER INCH	RECOMMENDED USE
114550	6 x 1 x .042	8	Angle iron, steel pipe to 3/16
114551	6 x 1 x .042	10	Rebar, steel rod, black pipe to 3/16-1/2
114552	6 x 1 x .042	14	Steel rod, black pipe to 3/32-3/8
114553	6 x 1 x .042	18	Copper pipe, black pipe to 1/16-1/4
114554	9 x 1 x .042	8	Angle iron, steel pipe to 3/16
114555	9 x 1 x .042	10	Rebar, steel rod, black pipe to 3/16-1/2
114556	9 x 1 x .042	14	Steel rod, black pipe to 3/32-3/8
114557	9 x 1 x .042	18	Copper pipe, black pipe to 1/16-1/4
114558	12 x 1 x .042	8	Angle iron, steel pipe to 3/16
114559	12 x 1 x .042	10	Rebar, steel rod, black pipe to 3/16-1/2
114560	12 x 1 x .042	14	Steel rod, black pipe to 3/32-3/8
114561	12 x 1 x .042	18	Copper pipe, black pipe to 1/16-1/4

All Lazer blades are packed 2 per pack.

D10C-38
REVISED MAY, 2016

© Copyright 2018 Sosmetal Products Inc. All rights reserved.
No portion may be copied or reproduced in any manner.