BID NUMBER PA-00712

TO:

CITY OF LONG BEACH CITY MANAGER ATTN: CITY CLERK 333 West Ocean Boulevard

333 West Ocean Boulevard, Plaza Level Long Beach, California 90802



INVITATION TO BID

MUELLER PRODUCTS

CONTRACT NO. _____32462

I. COMPLETE CONTRACT:

This Invitation to Bid, together with THE NOTICE INVITING BIDS, the entire Bid (including Specifications), or any items(s) thereof, the signature page, Instructions to Bidders, General Conditions, Special Conditions, Bid Section, Addendums, and when required, CONTRACTOR'S BOND shall become the Contract upon its acceptance by the City Manager or designee on behalf of the City of Long Beach, Contractor will be provided with a copy of the executed Contract. All materials or services provided by the Contractor shall comply with the City Charter, and all applicable Federal, State and City Laws.

2. SERVICES TO BE PROVIDED BY THE CONTRACTOR:

Contractor shall upon acceptance of this Bid by the City, furnish the goods and services herein spec

Contractor shall upon acceptance of this Bid by the City, furnish the goods and services herein specified according to the terms and conditions set forth herein.

3. AMOUNT TO BE PAID:

The City shall pay Contractor for the goods or services as described in the section entitled "PAYMENT" in the Instructions to Bidders.

4. CHOICE OF ALTERNATE PROVISIONS; OPTIONS; NOTIFICATION:

When alternative provisions are requested, or options are offered, Contractor will be notified as to which provision, or option, is being accepted at the same time that he is notified that he is the successful Bidder.

5. DECLARATION OF NON-COLLUSION:

The undersigned certifies or declares under penalty of perjury that this Bid is genuine and not sham or collusive, or made in the interest or on behalf of any person or entity not herein named; that the Bidder has not directly or indirectly induced or solicited any other Bidder to submit a sham bid, or any other person or entity to refrain from bidding, and that the Bidder has not in any manner sought by collusion to secure to himself any advantage over other Bidders.

1.7/

BIDDER MUST COMPLETE AND SIGN BELOW:

(Signature of Corporate Officers or persons authorized to sign bids and contracts on behalf of the Contractor – refer to page 2 Instructions Concerning Signatures.)

EXECUTED AT: SAW CANOS CA ON THE // DAY OF NOVEMBER, 20 // .
COMPANY NAME: INSERTINGUAL UFILITY SUPPLY TIN: 94-2209880 (FEDERAL TAX IDENTIFICATION NUMBER)
STREET ADDRESS: 200 EAST LAnch North TRACY STATE: ZIP: 95304
PHONE: 11 309 221-6275 FAX: 309 221-6277
SI Angbur africain CFO
CREGARY R. ADRIAN GREG. ADRIAN @IESUPPLY,
SI PRESIDENT (EMAIL ADDRESS) (EMAIL ADDRESS)
(SIGNATURE) (TITLE) TOM-MASSIPOLESUPPLY. CE (EMAIL ADDRESS) (FRINT NAME)
ALL SIGNATURES MUST BE NOTARIZED FOR ALL COMPANIES LOCATED OUTSIDE THE STATE OF CALIFORNIA. NO OUT-OF-STATE BID WILL BE CONSIDERED UNLESS A NOTARIAL ACKNOWLEDGMENT IS ATTACHED. NOTARIES ARE NOT REQUIRED FOR CALIFORNIA BIDDERS.
IN WITNESS WHEREOF the City of Long Beach has caused this contract to be executed as required by law as of the date stated below. APPROVED AS TO FORM 1-20, 20 12. ROBERT E. SHANNON
THE CITY OF LONG BEACH BY THE CITY OF LONG BEACH TH
Director of Financial Management Date Deputy Rev 01.27.10

BID NUMBER PA-00712

The City of Long Beach is committed to provide maximum opportunities for Disadvantaged, Minority, Women and Long Beach Business Enterprises (DBEs, MBEs, WBEs and Local) to compete successfully in supplying our needs for products and services.

The following information is submitted regarding the Bidder:	
Legal Form of Bidder:	
Corporation State of CA Partnership State of General Limited	
Partnership State of	
General Limited	
Joint Venture	
Individual DBA	_
Individual DBA Limited Liability Company State of	-
Operation of Operation (see a few parts) of the control of the con	
Composition of Ownership (more than 51% of ownership of the organization): Ethnic (Check one): OPTIONAL	
☐ Black ☐ Asian ☐ Other Non-white	
☐ Hispanic ☐ American Indian ☐ Caucasian	
Non-ethnic Factors of Ownership (check all that apply):	
☐ Male ☐ Yes - Physically Challenged ☐ Under 65	
 □ Male □ Yes - Physically Challenged □ Under 65 □ Female □ No - Physically Challenged □ Over 65 	
Is the firm certified as a Disadvantaged Business: Yes No	
Has firm previously been certified as a minority-owned and/or woman-owned business enterprise by any other agency?	
□ Yes □ No	
Name of certifying agency:	
INOTOLIOTIONIO CONOFENINO CIONATUREO	
INSTRUCTIONS CONCERNING SIGNATURES	
Please use the proper notary form, which applies to your type of organization on all Bid documents, attachments and bonds requiring signature by officers of your company.	а
NOTE: FAILURE TO COMPLY MAY RESULT IN DISQUALIFICATION OF YOUR BID.	
INDIVIDUAL (Doing Business As)	
a. The only acceptable signature is the owner of the company. (Only one signature is required.)b. The owner's signature must be notarized if the company is located outside of the state of California.	
PARTNERSHIP	
a. The only acceptable signature(s) is/are that of the general partner or partners.	
b. Signature(s) must be notarized if the partnership is located outside of the state of California.	
CORPORATION	
a. Two (2) officers of the corporation must sign.	
b. Each signature must be notarized if the corporation is located outside of the state of California.	
OR	
The simulation of the office of the simulation of the state of the simulation of the	
 a. The signature of one officer or the signature of person other than an officer is acceptable if the Bid is accompanied by a certified corporate resolution granting authority to said person to execute <u>contracts</u> on behalf of the corporation. b. Signature(s) must be notarized if the corporation is located outside of the state of California. 	
LIMITED LIABILITY COMPANY	
a. The signature on the Bid must be a member or, if the Articles provide for a manager, must be the manager. (Only one	
signature is required.) b. Signature must be notarized if the company is located outside of the state of California	

THIS INFORMATION IS AVAILABLE IN AN ALTERNATIVE FORMAT BY CONTACTING 562-570-6200.

BID NUMBER PA-0

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

State	e of		
Cou	nty of		
On		Before me,	
	DATE		NAME, TITLE OF OFFICER - E.G. "JANE DOE, NOTARY PUBLIC"
Pers	sonally appeared		NAME(S) OF SIGNER(S)
□ p	personally known to me -	perso instrui execu and ti perso acted	ed to me on the basis of satisfactory evidence to be the en(s) whose name(s) is/are subscribed to the within ment and acknowledged to me that he/she/they uted the same in his/her/their authorized capacity(ies), that by his/her/their signature(s) on the instrument the en(s), or the entity upon behalf of which the person(s), executed the instrument.
			SIGNATURE OF NOTARY
			OPTIONAL OF HOME
this fo		w, it may prove valuable	e to persons relying on the document and could prevent fraudulent reattachment of
	CAPACITY CLAIMED	BY SIGNER	DESCRIPTION OF ATTACHED DOCUMENT
	INDIVIDUAL CORPORATE OFFICER		
	TIT! E/S		TITLE OR TYPE OF DOCUMENT
	` ' =	IMITED	
	ATTORNEY-IN-FACT TRUSTEE(S) GUARDIAN/CONSERVA OTHER:	GENERAL TOR	NUMBER OF PAGES
	OTTEN.		DATE OF DOCUMENT
	SIGNER IS REPRESENT NAME OF PERSON(S) OR ENTITY		
			SIGNER(S) OTHER THAN NAMED ABOVE

INSTRUCTIONS TO BIDDERS

1. PREPARATION OF BID:

The preparation of the Bid, including visits to the Site prior to submittal of the Bid, shall be at the expense of Bidder. All prices and notations must be typewritten or written in ink. Any markings in pencil shall not form part of the Bid and shall be disregarded by the City. Any changes or corrections in the Bid must be initialed in ink by the person signing the Bid. Bidder shall state brand name or make of each item bid. If not bidding on item as described, the manufacturer's name and catalog number of the substitute must be given. Bidder shall also attach specifications and furnish other begiven. Bidder shall also attach specifications and furnish other separately on each item. Bidder shall quote his lowest price and best delivery date as no changes are permitted after the bid opening. Cash discounts offered for payment within fourteen (14) days or less will not be considered when evaluating bids. No telephonic, telegraphic or fax Bids are acceptable.

NOTE: ALL PAGES OF THE INVITATION TO BID MUST BE RETURNED.

2. EXAMINATION OF BID:

Bidder is responsible for examining the Invitation to Bid and submitting its Bid complete and in conformance with these instructions.

3. CONDITIONS OF WORK:

Bidder shall carefully examine the Site to become fully informed regarding all existing and expected conditions and matters, which could affect performance, cost or time of the Work.

4. DISCREPANCIES IN BID DOCUMENTS:

If Bidder finds discrepancies in or omissions from the Invitation to Bid, if the intent of the Invitation is not clear, or if provisions of the Specifications restrict Bidder from bidding, he may request in writing that the deficiency(s) be modified. Such request must be received by the City Purchasing Agent at least five (5) working days before bid opening date. Bidders will be notified by Addendum of any approved changes in the Invitation to Bid.

5. ORAL STATEMENTS:

The City of Long Beach shall not be bound by oral statements made by any employee or agent concerning this Invitation to Bid. If Bidder requires specific information, Bidder must request it in writing and obtain a reply in writing from the City.

6. BRAND NAMES AND SPECIFICATIONS:

The detailed specifications and/or brand names stated are descriptive only and indicate quality, design and construction of items required. Offers will be considered to supply articles substantially the same as those described herein but with minor variations. Bidders must describe variations in the Bid. Substitute items must be equal in quality, utility and performance. The phrase "or approved equal" throughout the specifications means that the City in its sole and absolute discretion shall make the final determination whether or not the substitute items are equal.

7. AWARD:

Bid shall be subject to acceptance by the City for a period of three (3) months unless a lesser period is prescribed in the quotation by Bidder. The City reserves the right to award all items to one Bidder, or to award separate items or groups of items to various Bidders, or to increase or decrease the quantities of any item. Bidder may submit alternate prices or name a lump sum or discount conditional on two or more items being awarded to him.

The City's purchases of goods and services are based on the City's actual needs and requirements. The City is obligated under this contract/purchase order to purchase and pay for only those goods and services that the City needs and requires, and that the City actually orders and receives. Any dollar amount identified as a "not to exceed:" amount in any City document is not a guaranteed payment amount to any contractor or service provider. Furthermore, the City may determine that its needs and requirements may be met by City labor or by a second contractor or service provider, even after an award is made to one contractor or service provider. An award is not a promise or guarantee of exclusivity.

Bidders are cautioned that comments and statements, whether oral or written, made by City employees regarding the validity of Bids, the waiver of deviations from Specifications, the possibility or probability of an award being made to a particular Bidder, and other similar matters are NOT binding on the City. Bidders should not order materials, obtain financing or take other actions based on such comments and statements. Only authorization of a Contract by the City Council or issuance of a Purchase Order is conclusive and binding on the City with respect to this Bid and its resulting Contract or Purchase Order. However, prior to authorization by the City Council or issuance of the Purchase Order, Bidders may rely on: (1) approval of an "equal" or "substitute" item which will be issued in writing, and (2) written notice of intent to award by the City Council, which is often issued prior to the authorization by the City Council so that a Bidder can order materials that have a long lead time.

8. PAYMENT:

Payment terms are NET/30 unless Bidder otherwise quotes. All Cash Discounts shall be taken and computed from the date of delivery or completion and acceptance of the material, or from date of receipt of invoice, whichever occurs last. Invoices must be submitted as specified at the time of shipping authorization. Partial payments may be made by the City on delivery & acceptance of goods and on receipt of Contractor's invoice.

In the event the Contract to be awarded hereunder, including specifications and other documents incorporated therein by reference, provides for the withholding of moneys by the City to ensure performance of such Contract, Contractor may deposit with the City, as a substitute for said withheld moneys, securities listed in Section 16430 of the California Government Code or bank or savings and loan certificates of deposit, or both, equivalent to the amount withheld, provided Contractor requests permission to make such substitution and bears all expenses in connection therewith.

9. SAFETY APPROVAL:

Where required by City Regulations, any items delivered must carry Underwriters Laboratories Approval or City of Long Beach City Safety Officer approval. Failure to so comply will be cause to reject Bid. Also, any equipment must conform with the Safety Orders of the California Division of Industrial Safety and OSHA regulations.

10. BUSINESS LICENSE:

The Long Beach Municipal Code (LBMC) requires all businesses operating in the City of Long Beach to pay a business license tax. In some cases the City may require a regulatory permit and/or evidence of a State or Federal license. Prior to issuing a business license, certain business types will require the business license application and/or business location to be reviewed by the Development Services, Fire, Health, and/or Police Departments. For more information, go to www.longbeach.gov/finance/business_license.

INSTRUCTIONS TO BIDDERS

11. PUBLIC WORK AND PREVAILING WAGES:

The Contractor to whom the contract is awarded, along with its subcontractors, shall pay not less than the general prevailing rate of per diem, holiday and overtime wages established by the Department of Industrial Relations (DIR) of the State of California for the locality in which the public work is to be performed for each craft, classification or type of worker needed to execute the contract. Refer to the California DIR's website, http://www.dir.ca.gov/dlsr for such prevailing wages and additional information

The Director of Public Works of the City by and on behalf of the City Council has obtained from the Director of the Department of Industrial Relations of the State of California the general prevailing rate of per diem wages and the general prevailing rate of holiday and overtime work in the locality in which the public work is to be performed for each craft, classifications or type of workers needed to execute the Contract, and the same is on file with the City Engineer, 9th floor, City Hall, 333 W. Ocean Boulevard, Long Beach, California 90802. It shall be mandatory upon the Contractor to whom the Contract is awarded, and his Subcontractors to pay not less than the said prevailing rate of wages to all workers employed by Contractor or said Subcontractors in the execution of the Contract.

12. RIGHT TO REJECT:

The City reserves the right to reject at any time any or all Bids, or parts thereof, and to waive any variances, technicalities and informalities which do not impair the quality, utility, durability or performance of the items.

13. SAMPLES:

Samples of items when requested or required must be furnished to the City free of expense to the City and, if not destroyed by tests, will upon request be returned at Bidder's expense.

14. PRICES:

Prices shall be in accordance with those extended to other governmental agencies. In case of error in extension of prices, unit price will govern. All prices must be firm for the Contract term unless the City specifically provides for adjustment.

15. CITY'S POLICY FOR MINORITY AND WOMEN-OWNED BUSINESSES:

The City of Long Beach is committed to providing maximum opportunities for Disadvantaged, Minority, Women and Long Beach Business Enterprises (DBEs, MBEs, WBEs and Local) to compete successfully in supplying our needs for products and services.

Please visit http://www.longbeach.gov/purchasing/diversity.asp for more information on the City's Diversity Outreach Program.

SUBCONTRACTORS

To assist the City in maintaining records of its Minority and Women Outreach Program, Bidder is requested to provide the following information. Answers are optional, and failure to answer will not disqualify Bid. If additional space is required, Bidder shall attach a separate sheet.

The following Minority- or Woman-owned subcontractors are to be utilized to provide equipment, material, supplies and/or services for this Contract requirement:

Company Name: TRANSPACIFIC Utility SALES
Address: A17 NINTH ST. DAKLAND, CA 94607

Commodity/S	Service Provided: Silling
Circle approp	priate designation: MBE WBE
Ethnic Facto	rs of Ownership: (more than 51%)
Black	() American Indian ()
Hispanic	() Other Non-white ()
Asian	() Caucasian ()
Certified by	Supplien Cleaning House
Valid thru:	12-22-2013
Dollar value	e of participation: \$ 200,000

16. BID SUBMITTAL AND WITHDRAWAL OF BIDS:

Each Bid must be delivered to the location and received on or before the due date and time stated herein. Bids will not be accepted after the date and time stated herein. Bids may be withdrawn without prejudice providing the written request is received by the City Clerk no later than the time set for opening Bids. Withdrawals will be returned to Bidder unopened.

SUBMIT TO: CITY OF LONG BEACH CITY CLERK 333 W OCEAN BLVD/PLAZA LEVEL LONG BEACH CA 90802

BID DUE DATE: NOVEMBER 15, 2011

TIME: <u>11:00 am</u>

IF BIDDER HAS ANY QUESTIONS REGARDING THIS INVITATION TO BID PLEASE CONTACT THE FOLLOWING CITY PERSONNEL.

A. COMMERCIAL (TERMS AND CONDITIONS, ETC)

LENORE BLUEFORD (562) 570-5384

BUYER TELEPHONE NUMBER

B. TECHNICAL (SPECIFICATIONS, DRAWINGS, ETC.)

ROLAND GARRELS (562) 570-2022

DEPARTMENT CONTACT TELEPHONE NUMBER

17. BID OPENING PROCEDURES:

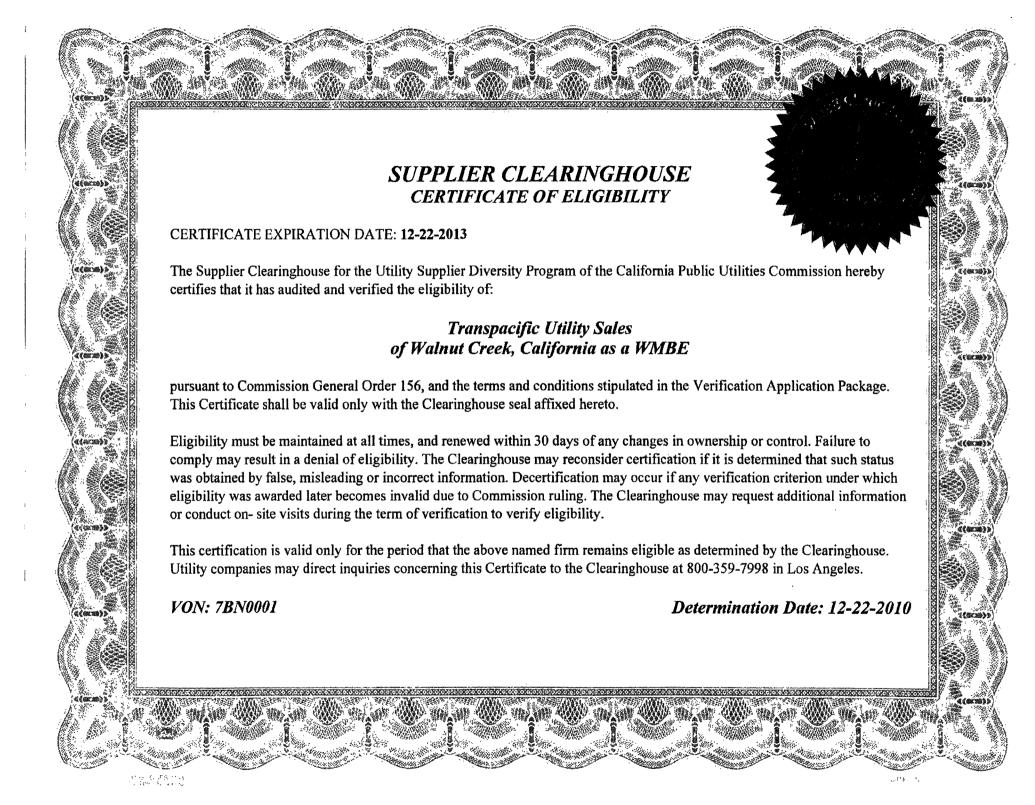
All Bids will be publicly opened and read at the date and time specified in Instructions to Bidders, item 16.

It is our policy <u>not</u> to release price information on these Bids until the department has reviewed them and award has been approved by the City Council and the City Attorney. At that time, the information becomes public. You are welcome to review the results at that time by calling the buyer that handled that Bid and setting up an appointment. Due to the large volume of Bids received, Bid results will <u>not</u> be given out by phone and information will not be faxed.

After the Purchasing Division has analyzed the Bids, the name of the <u>apparent</u> low Bidder will be posted on the Internet for a period of one (1) month, together with the rankings of the top three Bidders. These rankings will not contain price information.

CAUTION: Only the City Council has authority to make an award, and a contract is not in effect until the City Council makes an award and contract documents (including insurance and bonds) are signed, submitted and approved.

Bid protest procedures may be obtained from the Buyer. Protests must be submitted within seven (7) calendar days after the date of the Bid opening.



INSTRUCTIONS TO BIDDERS

18. INTER-AGENCY PARTICIPATION:

IF OTHER AGENCIES EXPRESS AN INTEREST IN PARTICIPATING IN THIS BID, WOULD YOU SUPPLY THE SAME ITEMS.



(If yes, any agency electing to participate in this Bid will order its own requirements without regard to the City of Long Beach. The City of Long Beach assumes no liability or payment guarantee on any units sold to participating agencies.)

19. AMERICANS WITH DISABILITIES ACT:

Contractor shall have and be allocated the sole responsibility to comply with the Americans with Disabilities Act of 1990 ("ADA") with respect to performance hereunder and contractor shall defend, indemnify and hold the City, its officials and employees harmless from and against any and all claims of failure to comply with or violation of the ADA as said claim relates to this Contract.

20. EQUAL BENEFITS ORDINANCE:

Bidders/Proposers are advised that any contract awarded pursuant to this procurement process shall be subject to the applicable provisions of Long Beach Municipal Code section 2.73 et seq., the Equal Benefits Ordinance. Bidders/Proposers shall refer to Attachment/Appendix for further information regarding the requirements of the Ordinance.

All Bidders/Proposers shall complete and return, with their bid/proposal, the Equal Benefits Ordinance Compliance form contained in the Attachment/Appendix. Unless otherwise specified in this procurement package, Bidders/Proposers do not need to submit supporting documentation verifying with their bids/proposals. However, supporting documentation verifying that the benefits are provided equally shall be required if the Bidder/Proposer that is selected for award of a contract.

- 1. Acceptance of the offer contained in this Contract is expressly limited to the terms and conditions of such offer as herein stated.
- No charges for taxes, transportation, boxing, packaging, crating or returnable containers will be allowed and paid by the City unless separately stated hereon. All sales, use, excise or similar taxes to be paid by the City must be itemized separately hereon and on invoices. The City is exempt from payment of Federal Excise Tax under Certificate No. 95-73 0502K and none shall be charged to the City.
- 3. The City's obligation to pay the sum herein stated for any one fiscal year shall be contingent upon the City Council of the City appropriating the necessary funds for such payment by the City in each fiscal year during the term of this Contract. For the purposes of this section a fiscal year commences on October 1 of the year and continues through September 30 of the following year. In the event that the City Council of the City fails to appropriate the necessary funds for any fiscal year, then, and in that event, the Contract will terminate at no additional cost or obligation to the City.
- 4. Contractor shall deliver the materials, equipment, supplies or services, or cause the work to be performed, within the time and in the manner specified in the Contract. Times and dates stated herein are of the essence. If at any time Contractor has reason to believe that deliveries will not be made as scheduled, written notice setting forth the cause of the anticipated delay shall be given immediately to the City. Deliveries must be prepaid. C.O.D. shipments will not be accepted.
- 5. The City reserves the right at any time to make changes in drawings and specifications, in methods of shipment and packaging and in place of delivery as to any articles covered by this Contract. In such event there will be made an equitable adjustment in price and time of performance mutually satisfactory to Contractor and the City; but any claim by Contractor for such an adjustment must be made within thirty (30) days of such change.
- 6. Contractor warrants that the goods, machinery or equipment delivered or the work performed hereunder shall conform to the specifications, drawings, samples or other description specified by the City and shall be fit and sufficient for the purpose intended, merchantable, of good material and workmanship, in good working order and free from defect or faulty workmanship for a period of ninety (90) days. When defective goods, machinery, or equipment or faulty workmanship is discovered which requires repair or replacement pursuant to this warranty, Contractor shall provide all labor, materials, parts and equipment to correct such defect at no expense to the City.
- 7. Contractor shall defend, indemnify and hold the City, its officials and employees harmless from any and all loss, damage, liability, demands, claims, causes of action, costs and expenses (including reasonable attorney' fees) for injuries to persons (including death) or damage or destruction of property connected with or arising from the negligent acts or omissions of Contractor, its officers, agents and employees in the performance of this Contract.
- 8. The City reserves the right to terminate this Contract at any time in whole or in part even though Contractor is not in default hereunder. In such event there will be made an equitable adjustment of the terms that is mutually satisfactory to the City and Contractor. Upon receipt of any notice of such termination, Contractor shall, unless such notice otherwise directs, immediately discontinue all work on the Contract and deliver, if and as directed, to the City all completed and partially completed articles, work in process and materials purchased or acquired for performance of the Contract. The provisions of this section shall not limit or affect the right of the City to terminate this Contract immediately upon written notice of breach.
- 9. The City reserves the right to cancel this Contract or any part thereof and reject delivery of goods if delivery is not undertaken and completed when specified and in accordance with specifications. Contractor shall be charged for any direct losses, but not any consequential damages, sustained by the City by reason of such delay or failure, excepting losses caused by a delay for reasons beyond Contractor's reasonable control. Direct losses shall include any costs to the city in excess of the Contract price of obtaining goods from other sources similar to those cancelled or rejected hereunder.
- 10. The City shall pay to Contractor the price(s) specified in the Contract on delivery of the materials, equipment, supplies or services and acceptance thereof by the City Manager or his designee, or upon completion of the work to be performed and accepted thereof, as specified in the Contract. Defective articles or articles not in accordance with the City's specifications shall be held for Contractor's instructions at Contractor's risk, and if Contractor so directs will be returned at Contractor's expense.
- 11. No return or exchange of material, equipment or supplies shall be permitted without written approval of the City Purchasing Agent.
- 12. All royalties for patents, or changes for the use of patents, which may be involved in any article to be furnished under this Contract shall be included in the Contract price.
- 13. In cases where a price subject to escalation has been agreed upon, the price escalation shall be shown as a separate item on the invoice. Unless an escalator clause has been shown as a specific part of this Contract Contractor shall not be entitled to reimbursement for costs incurred due to escalation.

- 14. All materials, supplies and equipment provided under this Contract shall be in full compliance with the Safety Orders and Regulations of the Division of Industrial Safety of the State of California, Title 8, California Code of Regulations (CAL/OSHA) and all applicable OSHA regulations as well as all other applicable California Code of Regulations. Contractor shall indemnify and hold the City, its officials, and employees harmless for, of and from any and all loss, including but not limited to fines, penalties and corrective measures, the City may sustain by reason of Contractor's failure to comply with said laws, rules and regulations in connection with the performance of this Contract.
- 15. Contractor shall keep confidential and not disclose to others or use in any way to the detriment of the City confidential business or technical information that the City may disclose in conjunction with this Contract or Contractor may learn as a result of performing this Contract.
- 16. This Contract shall not be assigned in whole or in part, nor any duties delegated without the City's prior written approval.
- 17. The remedies herein reserved shall be cumulative and additional to any other remedies at law or in equity. The waiver of any breach of this Contract shall not be held to be a waiver of any other or subsequent breach. The City's failure to object to provisions contained in any communication from Contractor shall not be deemed an acceptance of such provisions or a waiver of the provisions of this Contract.
- 18. This Contract shall not be amended or modified, except by written agreement signed by the parties and expressly referring to this Contract.
- 19. Contractor shall indemnify, hold harmless and defend the City, its officials and employees from any damage, claim, loss, cost, liability, cause of action or expense, including reasonable attorney's fees, whether or not reduced to judgment, arising from any infringement or claimed infringement of any patent, trademark or copyright, or misappropriation of confidential information or trade secrets of any third party and based on the manufacture, sale or use of goods, machinery or equipment supplied hereunder.
- 20. Contractor shall furnish further itemization and breakdown of the Contract price when requested by the City.
- 21. Contractor, in the performance of any work or the furnishing of any labor under this Contract, shall be considered as an independent contractor. Contractor, his agents and employees shall not be considered as employees of the City.
- 22. Contractor and subcontractor(s) shall not discriminate against any person in the performance of this Contract and shall comply with applicable federal, state and city equal employment opportunity laws, ordinances, rules and regulations. Contractor and subcontractor(s) shall not discriminate against any employee or applicant for employment or against any subcontractor on the basis of race, color, religion, national origin, sex, sexual orientation, AIDS, HIV status, age, disability, or handicap, subject to federal and state laws, rules and regulations.
- 23. Contractor shall comply with all applicable federal, state and local laws pertaining to the subject matter hereof.
- 24. Contractor shall submit samples of all documents that Contractor may require the City to execute to complete this transaction. By accepting these samples as part of the bid or by awarding the Contract to a Contractor who has submitted said samples, the City does not agree to the terms stated in said samples. This Invitation to Bid and Contractor's bid shall take priority over said samples and this Invitation and Contractor's bid shall become the Contract between the City and the Contractor.
- 25. All quantities stated herein are only ESTIMATES. The City reserves the right to increase or decrease these estimated quantities based on its actual needs and funds available.
- 26. The City reserves the right to exercise, at its option, an increase in expenditures by ten (10) percent annually, but the City does not guarantee such an increase.
- 27. Contractor shall cooperate with the City in all matters relating to taxation and the collection of taxes, particularly with respect to the self-accrual of use tax. Contractor shall cooperate as follows: (i) for all leases and purchases of materials, equipment, supplies or other tangible personal property totaling over \$100,000 shipped from outside California, a qualified Contractor shall complete and submit to the appropriate governmental entity the form in Appendix "A" attached hereto; and (ii) for construction contracts and subcontracts totaling \$5,000,000 or more, Contractor shall obtain a sub-permit from the California Board of Equalization for the Work site. "Qualified" means that the Contractor purchased at least \$500,000 in tangible personal property that was subject to sales or use tax in the previous calendar year.

In completing the form and obtaining the permit(s), Contractor shall use the address of the Work site as its business address and may use any address for its mailing address. Copies of the form and permit(s) shall also be delivered to the Purchasing Agent. The form must be submitted and the permit(s) obtained as soon as Contractor receives a notice of award. Contractor shall not order any materials or equipment over \$100,000 from vendors outside California until the form is submitted and the permit(s) obtained and, if Contractor does so, it shall be a material breach of the Agreement. In addition, Contractor shall make all purchases from its Long Beach sales office and the Long Beach sales office of its vendors if those vendors have a Long Beach office and all purchases made by Contractor under this Agreement which are subject to use tax of \$500,000 or more shall be allocated to the City of Long Beach. Contractor shall require the same form and permit(s) from its subcontractors.

Contractor shall not be entitled to and by signing this Contract waives any claim or damages for delay against City if Contractor does not timely submit these forms to the appropriate governmental entity. Contractor may contact Rosie Bouquin at 562-570-7079 for assistance with the form.

- 28. The California Integrated Waste Management Act (Public Resources Code, Sec. 40000 et seq.) requires governmental entities to achieve fifty (50) percent diversion of waste. In conjunction with the City's Integrated Resources Bureau, the City is currently developing an Environmentally Preferable Product (EPP) procurement plan. These guidelines enable the City Purchasing Agent to greatly expand procurement programs by moving beyond a singular consideration of "recycled-content". EPP procurement facilitates the purchase of products that qualify within a broad range of "environmentally preferable" criteria, such as: minimal packaging; energy savings; non-toxic; manufactured from sustainably-harvested materials. Contractor shall monitor products that fall within the EPP guidelines and document all criteria that qualifies the product as an EPP. Documentation from the manufacturer will be acceptable and may be required during the term of the Contract.
- 29. NOTICE TO BIDDERS REGARDING THE PUBLIC RECORDS ACT:

Responses to this Invitation to Bid become the exclusive property of the City of Long Beach. All Bids submitted in response to this Invitation to Bid are a matter of public record and shall be regarded as public records. Exceptions will be only those elements in each Bid that are defined by the Bidder as business or trade secrets and are marked as "Trade Secrets", "Confidential" or "Proprietary".

The City shall not be liable or responsible in any way for disclosure of any records not marked as "Trade Secrets", "Confidential" or "Proprietary". The City shall not be liable or responsible in any way for disclosure of any records so marked if disclosure is deemed to be required by law or by a court order.

- 30. THE FOLLOWING ADDITIONAL CONDITIONS APPLY ONLY IN CASES WHERE CONTRACTOR IS TO PERFORM WORK ON CITY PROPERTY:
 - A. If at any time during the progress of the Work, Contractor shall allow any indebtedness to accrue for labor, equipment or materials, or which may become a claim against the City, Contractor shall immediately upon request from the City pay such claim or indebtedness or cause such lien to be dissolved and discharged by giving a bond or otherwise and, in case of his failure so to do, the City may withhold any money due Contractor until such claim or indebtedness is paid or may apply such money toward the discharge thereof; or in such event the City may, at its option, declare this Contract to be terminated, take possession and control of the Work, and complete the same or cause the same to be completed according to the specifications. Contractor shall pay to the City the difference between the Contract price and the actual cost to the City in completing or causing the Work to be completed.
 - B. Contractor shall carry on the Work at its own risk until the same is fully completed and accepted and shall, in case of any accident, destruction or injury to the Work or materials before its final completion and acceptance, repair or replace the Work or materials so injured, damaged and destroyed, at his own expense and to the satisfaction of the City. When materials and equipment are furnished by others for installation or erection by Contractor, Contractor shall receive, unload, store and handle same at the Site and become responsible therefore as though such materials and equipment were being furnished by Contractor under the Contract.
 - C. Contractor shall procure and maintain at Contractor's expense for the duration of the Contract the following insurance against claims for injuries to persons or damage to property which may arise from or in connection with the performance of the Contract by Contractor, its agents, representatives, employees or subcontractors:
 - (1) Comprehensive General Liability: \$1,000,000 combined single limit for each occurrence or \$2,000,000 General Aggregate for bodily injury, personal injury and property damage, including products and completed operations coverage.
 - The City, its officials, employees and agents shall be named as additional insureds as respects: liability arising out of activities performed by or on behalf of Contractor; products and completed operations of Contractor; and premises owned, leased or used by Contractor.
 - (2) Automobile Liability: \$500,000 combined single limit per accident for bodily injury and property damage covering owned, non-owned and hired vehicles.
 - (3) Workers' Compensation as required by the California Labor Code and Employers Liability limits of \$1,000,000 per accident.

Any self-insurance program and self-insured retention must be separately approved in writing by the City.

Each insurance policy shall be endorsed to state that coverage shall not be cancelled by either party or reduced in coverage except after thirty (30) days prior written notice to the City.

Contractor shall maintain at its expense, until completion of performance and acceptance by City, from an insurer:

- a. Admitted (licensed) in the State of California with a current financial responsibility rating of A (Excellent) or better and a current financial size category (FSC) of V (capital surplus and conditional surplus funds of greater than \$10 million) or greater rating as reported by A.M. Best Company or equivalent, unless waived in writing by City's Risk Manager, or
- b. Non-admitted in the State of California with a current financial responsibility rating of A (Excellent) or better and a current financial size category (FSC) of VIII (capital surplus and conditional surplus funds of greater than \$100 million) or greater rating as reported by A.M. Best Company or equivalent, unless waived in writing by City's Risk Manager.

All coverages for Subcontractors shall be subject to the requirements stated herein and shall be maintained at no expense to the City.

Contractor shall furnish the City with certificates of insurance and original endorsements providing coverage as required above. The certificates and endorsements for each insurance policy are to be signed by a person authorized by that insurer to bind coverage on its behalf.

Before any of Contractor's or Subcontractor's employees shall do any Work on the City's property, Contractor shall furnish the City with the required certificates evidencing that such insurance is being maintained. Such certificates shall specify the date when such insurance expires. Such insurance shall be maintained until after the Work under the Contract has been completed and accepted.

Such insurance as required herein or in any other documents to be considered a part hereof shall not be deemed to limit Contractor's liability under this Contract.

- D. Contractor shall defend, indemnify and hold harmless the City, its officials and employees from and against any and all liability for claims for bodily injury and property damage arising out of negligent acts, omissions or errors of any employee of Contractor at the Site.
- E. Contractor shall list the name and location of the place of business of each Subcontractor who will perform work, labor or services for Contractor, or who specially fabricates and installs a portion of the Work or improvement in an amount in excess of one-half of one percent of Contractor's total contract cost. The Subcontractor list shall be submitted with Contractor's Bid.

FURNISH AND DELIVER MUELLER PRODUCTS

CONTRACT PERIOD:

Twelve months after date of award or after the expiration of the current contract, whichever is the earlier. This Contract may be extended by mutual agreement for up to two additional periods of one year each in accordance with terms and conditions stated herein.

It is agreed that if the Contract is extended, the City shall so notify the Contractor 90 days prior to the expiration date. Contractor shall be required to submit any price increases to the City Purchasing Agent for approval at least 60 days prior to expiration of the Contract. Said notice shall show item number, price, contract number and purchase order number. The City reserves the right to accept or reject any price increases and to cancel the renewal notice if price increases are not acceptable.

PRICE INCREASE:

Shall not exceed _	_5_ %		during the first renewal period.
Shall not exceed	5	%	During the second renewal period.

ADDENDUM:

Bidders shall check the purchasing web page at www.longbeach.gov/purchasing or contact the assigned buyer three (3) days prior to the bid closing date to inquire about and include any addendums incorporated into this bid. Failure to include the addendum(s) with the bid may cause the bid to be rejected.

PARTS DELIVERY SCHEDULE:

DELIVERY REQUIREMENTS

All deliveries shall be made F.O.B. to destinations specified by the City. All cost (handling, freight, inside delivery, etc) must be included in unit cost. No other surcharges or fees will be allowed.

Deliveries shall be made within thirty-six (36) hours after receipt of verbal, faxed, written or electronic order from the City.

For infrequent special order parts and accessories not normally obtainable within (36) hours in the Los Angeles area, notification of estimated time of arrival must be given to City as soon as possible.

Back ordered stock parts must be delivered within ten (10) working days after date of receipt of initial order unless other arrangements are made.`

A packing slip that includes unit and extended pricing shall accompany all deliveries. In the event the item delivered is drop shipped from the manufacturer or another location, an invoice will be delivered personally or electronically within 24 hours after the drop ship with the City's Blanket Purchase Order and stockroom's tracking number on the invoice.

BLANKET PURCHASE ORDER(BPO)/AUTHORIZED PERSONNEL

A Blanket Purchase Order (BPO) will be sent to the Contractor by the City Purchasing Agent. City personnel authorized to make releases against the BPO will be indicated on the BPO. Shipment shall be made against the BPO release number. Releases shall be allowed only if the appropriate BPO number is indicated on the BPO release (Purchase Order) issued by the Department placing the order.

PAYMENT REQUIREMENTS

Contractor shall submit upon delivery or pick-up of each order an invoice describing each item purchased. Cost of each item shall be indicated as per unit of measurement less the discount offered in the Bid Section items. The City's Blanket Purchase Order and stockroom tracking number must be placed on all invoices.

INVOICE

Contractor shall submit an original plus two copies of the Invoice, on Contractor's business form. It shall list the Contractor's individual invoice number City of Long Beach purchase order number and cost for each item, along with a total invoice price.

PRICE AGREEMENT CONDITIONS

Prices charged to the City shall be based on percentage discounts from Manufacturer's Price Lists. Percentage discounts shall remain firm for the duration of the Contract, but the Manufacturer's Price Lists may be subject to fluctuation in accordance with changes issued by the Manufacturer. Price Lists, which are submitted with bid, must be in effect at time of bid opening and shall not be subject to change for a period of 90 days after bid opening.

If the prices on the Price Lists are raised, the City reserves the right to accept such raises or to cancel such items from the Contract. Contractor shall immediately notify the City of such price increase, and shall immediately give to the City the benefit of any decline in prices on the Manufacturer's effective date of such decline. Changes in price shall be effective on the date the notice of change is received by the City Purchasing Division, or at a later date designated by the Contractor. Increases in Price Lists shall not be retroactive.

Specifications and conditions in this bid shall supersede any conflicting conditions in Price Lists.

Three copies of new or revised Price Lists shall be sent immediately to the City of Long Beach Purchasing Division, 333 West Ocean Blvd., Long Beach, California 90802. Price Lists shall show supplier's name along with the City Contract or Purchase Order number.

ADEQUATE STOCK

Contractor shall be required to maintain adequate stock for timely deliveries, for emergency and fill-in orders, as needed by the City. Contractor must have authorization from manufacturer to distribute items.

ON-LINE CATALOGS:

Does your company currently have on-line ordering: Yes No <u>✓</u>	
If the answer is no, does your company plan to have on-line ordering within the normanths: Yes No	
Does your company provide catalogs needed to assist ordering process: Yes N If yes, what charge if any will the city incur for needed catalogs.	o

If your company currently provides for on-line ordering, Bidder shall provide with the bid as a separate attachment any information pertaining to the Bidder's on-line catalog and Internet ordering (including the web address, email address, and/or direct connect application software if applicable.

PURCHASING CARD:

Will you allow authorized City personnel to use the City of Long Beach purchasing card in lieu of blanket purchase order (BPO) releases (purchase orders) if the City determines it to be more feasible? Yes _____ No ____

BASIS OF AWARD:

The City reserves the right to award Contracts to more than one Contractor.

SUMMARY OF BID ITEMS FOR PARTS

OF FROM ARE REQUIRED INCREASE BIDS USING PERCENTAGE CONTRACTOR FROM **PUBLISHED** COST TO MANUFACTURERS MANUFACTURER'S PRICE LISTS. THE CITY REQUESTS THAT BIDS QUOTED USE ONLY MANUFACTURERS PRICE LIST. IN THE EVENT THAT OTHER PRICE LISTS ARE BEING REFERENCED, THEY SHALL BE INDICATED HEREIN. BIDDER SHALL

FURNISH PRICE LISTS WITH BID. FAILURE TO INCLUDE PRICE LIST MAY BE
CAUSE FOR REJECTION OF BID.
NOTE: Price lists from unsuccessful bidders will be available for pick-up after award has been made. Bidder will be contacted and requested to pick-up price lists within seven (7) days.
DELIVERY: Hours after receipt of order. (If time shown is more than four (4) hours after receipt of order, the bid may be rejected unless other arrangements are made.
PICK-UPS AND WILL-CALLS: Hours after receipt of order. (If time shown is more than one (1) hour after receipt of order, the bid may be rejected).
BID SECTION
WE ARE PLEASED TO SUBMIT THIS BID IN ACCORDANCE WITH THE CITY OF LONG BEACH INVITATION TO BID, SPECIFICATIONS AND TERMS AND CONDITIONS TO FURNISH AND DELIVER THE FOLLOWING EQUIPMENT, MATERIAL, SUPPLIES OR SERVICES FOB DESTINATION CITY OF LONG BEACH.
NOTE: INCLUDE ALL COST INTO UNIT PRICE (Include handling, delivery, freight, etc)

SUMMARY OF BID ITEMS

Item	LBGO Stock #	Description	Mueller Part #	Estimated Annual Usage	Unit Bid Price
1	659-50-09-678	Nipple, Save-A-Valve, Drilling, 1 x 3 ln.	H-17490-1 x 3	250	\$ 14.20
2	659-50-09-681	Nipple, Save-A-Valve, Drilling, 2 x 3 IN	H-17490-2 x 3	50	\$ <u>43.13</u>
3	659-54-37-335	Line Stopper (Half PC), 2 Inch	H-17190-2	130	\$ <u>59.52</u>
4	659-54-37-336	Line Stopper (Half PC), 3	H-17190-3	130	\$ <u>/21.13</u>

Item	LBGO Stock #	Description	Mueller Part #	Estimated Annual Usage	Unit Bid Price
5	659-54-37-337	Line Stopper (Half PC), 4 Inch	H-17190-4	30	\$ 139.50
6	659-54-38-341	Line Stopper (Full PC), Weld, 2 Inch	H-17125-2	1	\$ 109.75
7	659-54-38-650	Line Stopper, Bottom-Out (Full PC), Weld, 2 Inch	H-17160-2	2	\$ 108.15
8	659-54-39-342	Line Stopper (Full PC), Weld 3 Inch	H-17255-3	5	\$ <u>452.84</u>
9	659-54-39-343	Line Stopper (Full PC), 4	H-17255-4	s 1	\$ <u>547.29</u>
10	659-54-39-345	Line Stopper (Full PC), 6 Inch	H-17255-6	2	\$ 863.78
11	659-54-39-346	Line Stopper (Full PC), 8 Inch	H-17255-8	8	\$ 1375.00
12	659-54-39-347	Line Stopper (Full PC), 10 Inch	H-17255-10	2	\$ 5831.00
13	659-54-39-348	Line Stopper (Full PC), 12 Inch	H-17255-12	7	\$5831.00

Item	LBGO Stock #	Description	Mueller Part #	Estimated Annual Usage	Unit Bid Price
14	659-54-41-356	Line Stopper, Side-Out, Weld, 4 Inch	H-17355-4	2	\$547.08
15	659-54-41-357	Line Stopper, Side-Out, Weld 6 Inch	H-17355-6	2	\$ <u>/375.8/</u>
16	659-54-41-358	Line Stopper, Side-out, Weld 8 inch	H-17355-8	3	\$ 15/1.84
17	659-54-41-359	Line Stopper, Side-out, Weld 10 Inch	H-17355-10	1	\$ 5875-46
18	659-54-41-360	Line Stopper, Side-out, Weld 12 Inch	H-17355-12	5	\$ 5825.46
19	659-54-42-343	Line Stopper, Bottom-out, Weld, 3 Inch	H-17260-3	12	\$ 476.95
20	659-54-42-344	Line Stopper, Bottom-Out, Weld, 4 Inch	H-17260-4	2	\$ 599.04
21	659-54-42-345	Line Stopper, Bottom Out PC, 6 Inch	17260-6	4	s <u>917.35</u>
22	659-54-42-346	Line Stopper (Bottom Out) PC, Weld 8 Inch	H-17260-8	2	\$ 1444.00
23	659-54-42-347	Line Stopper (Bottom Out) PC, Weld 10 Inch	H-17260-10	1	\$5916.00

Item	LBGO Stock #	Description	Mueller Part #	Estimated Annual Usage	Unit Bid Price
24	659-54-42-348	Line Stopper (Bottom Out) PC, Weld 12 Inch	H-17260-12	2	\$59/6.00
25	659-84-09-934	Tee, Valve (Pin-Off), HP, 1 inch, No-Blo, Weld x Weld	H-17650-1	298	\$
26	659-84-09-935	Tee, Valve (Pin-Off), HP, 1-1/4 Inch, No-Blo, Weld x Weld	H-17650-1-1/4	20	\$ <u>44.01</u>
27	659-84-09-938	Tee, Valve (Pin-Off), HP, 2 Inch, No-Blo, Weld x Weld	H-17650-2	5	\$ <u>/02.31</u>
28	659-84-10-944	Tee, Service, 2 Inch, Weld x Weld	H-17500-2	20	\$ <u>50.74</u>
29	670-52-06-075	Clamp, ¾ x 3 Inch, Pipe Repair, 1-Bolt	MUELLER- ADAMS NO. 212- 03-0105	12	\$ 5,17
30	670-52-06-103	Clamp, 1 x 3 Inch, Pipe Repair, 1 Bolt	MUELLER- ADAMS NO. 220- 03-0131	6	\$ 5.65
31	670-52-06-123	Clamp, 1-1/4 x 3 inch, Pipe Repair, 1 – Bolt	MUELLER- ADAMS NO. 212- 03-0166	14	\$ 5.82
32	670-52-06-150	Clamp, 1- ½ x 3 Inch, Pipe Repair, 1-Bolt	MUELLER- ADAMS NO. 210- 03-0190	2	\$ 5.94
33	670-52-06-203	Clamp, 2 x 3 Inch, Pipe Repair, 1-Bolt	MUELLER- ADAMS NO. 200- 03-0237	6	\$ 6.53

Item	LBGO Stock #	Description	Mueller Part #	Estimated Annual Usage	Unit Bid Price
34	670-52-06-206	Clamp, 2 x 6 Inch, Pipe Repair, 2-Bolt	MUELLER NO. 220-03-0237	1	\$ <u>10.73</u>
35	890-75-01-019	Key, Barrel Lock-F, Swivel Handle	MUELLER NO 504980	69	\$53.69
36	890-75-05-002	Lock, meter Stop, ¾ Inch	H-11093-3/4	1109	\$ <u>/8.4/</u>
37	890-75-05-003	Lock, Meter Stop, 1 Inch	H-11093-1	10	\$ 22.04
38	670-53-01-027	Valve, By-Pass, H-17025 Control Chamber	682089 KIT	5	\$ 73.09
39	670-53-02-030	Machine, Completion H- 17045, Model No. 2	H-17045	1	s 418.64
40	670-53-03-043	Valve Changer, ¾ H- 17010, Model no. 2.	H-78740	2	\$ <u>457.73</u>
41	670-53-06-090	Shaft, H-17015-3/4 Inch, H-17015 Plugging unit	83815	5	\$ 96.05
42	670-53-07-092	Unit, Plugging 1 Inch, H-17015	580475	1	\$58050
43	670-53-19-299	Cutter, Shell, 2-3/4 Inch.	504223	1	\$ 445.21

Item	LBGO Stock #	Description	Mueller Part #	Estimated Annual Usage	Unit Bid Price
44	670-53-19-300	Cutter, Shell, 3-3/4 Inch.	504224	1	\$ 818.75
45	670-53-22-418	Lubricant, Rubber Stopper,	580657	11	\$ 13.54
46	670-53-23-410	Stopper, Rubber Replacement, Expanding 3 Inch.	53195	1	\$ 270.70
47	670-53-23-449	Stopper, Rubber Only 6 Inch by-Pass,	P/N 37	1	\$ 300.00
48	670-53-23-468	Stopper Steel Wedge, Mueller	580614	1	\$ <u>358.50</u>
49	670-53-23-470	Bolt flanged w/nut,	36446	36	\$ 8.09
50	670-53-25-513	Tool Re-lubricating,	H-11199	1	\$ 113.00
51	936-54	Maintenance/Repair 5 Inch Gate Valves		2	\$ <u>180</u>
52	936.54	Maintenance/Repair 9 Inch Gate Valves		2	\$ <i>TBD</i>
53	936-54	Maintenance/Repair 2 Inch Slide Gate Valves		5	\$ 130

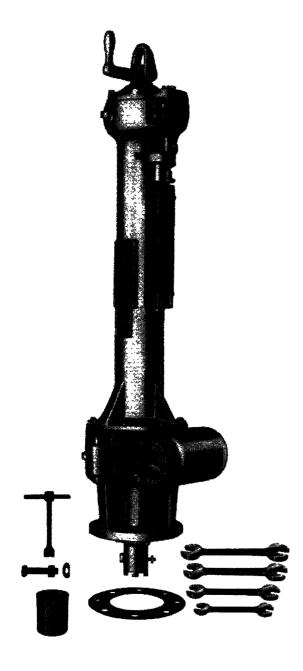
54	936-54	Maintenance/Repair 3 Inch Slide Gate Valves	5	\$TAP
55	936-54	Maintenance/Repair 4 Inch Slide Gate Valves	3	\$TBD
56	936-54	Maintenance/Repair 14 Inch Gate Valves	1	\$ <i>TBD</i>
57	936-54	Maintenance/Repair Unit No. 4SW Stopping Machine	1	\$ TOO

PAYMENT TERMS: NET 30 days



NET TRADE PRICE SHEETS

EFFECTIVE JANUARY 29, 2011



INCLUDING

DRILLING & TAPPING MACHINES
LINE STOPPING MACHINES
MACHINE PARTS & ACCESSORIES
LINE STOPPER FITTINGS
SERVICE LINE FITTINGS
GATE & CONTROL VALVES
TOOLS & EQUIPMENT



REFERENCE INDEX EFFECTIVE JANUARY 29, 2011 FOR MUELLER NET TRADE PRICE SHEETS (GAS DISTRIBUTION PRODUCTS)

SECTION PRODUCTS

38.8997 C	
SECTION1	SERVICE TEES
SECTION2	SERVICE STOP TEES
SECTION3	CURB STOP TEES
SECTION4	AUTOPERF® TEES
SECTION5	GAS –PHUSE® PRODUCTS
SECTION6	LOW PRESSURE LINE STOPPER FITTINGS
SECTION7	3/4"-2 1/2 " LINE STOPPER FITTINGS
SECTION8	3"-12" LINE STOPPER FITTINGS & EQUIPMENT
SECTION9	SMALL DIAMETER DRILLING & STOPPING MACHINES
SECTION10	LARGE DIAMETER DRILLING & STOPPING MACHINES
SECTION11	METER VALVE CHANGERS
SECTION12	PARTS/TOOLS & ACCESSORIES

TERMS

LIMITED WARRANTY

MUELLER CO. WARRANTS ITS PRODUCTS TO BE FREE OF DEFECTS IN WORKMANSHIP AND MATERIAL UNDER NORMAL USE AND SERVICE AND WHEN USED FOR THE PURPOSE AND UNDER THE CONDITIONS FOR WHICH THEY ARE INTENDED, FOR A PERIOD OF ONE YEAR FROM THE DATE OF SHIPMENT.

OBLIGATION UNDER THIS WARRANTY IS LIMITED. AT MUELLER'S OPTION; TO ADJUST, REPAIR OR REPLACE, F.O.B. POINT OF MANUFACTURE, THE DEFECTIVE PRODUCT. PURCHASER MUST IMMEDIATELY NOTIFY MUELLER CO. IN WRITING OF THE MUELLER SHALL HAVE THE RIGHT TO CLAIMED DEFECT. SAID PRODUCT AND PURCHASER SHALL. REQUESTED, RETURN THE DEFECTIVE PRODUCT TO MUELLER CO. WITH TRANSPORTATION PREPAID. PURCHASER SHALL ASSUME ALL RESPONSIBILITY AND EXPENSE FOR REMOVAL AND REINSTALLATION AND FREIGHT CHARGES IN CONNECTION WITH THE FOREGOING REMEDY. MUELLER CO. SHALL NOT BE LIABLE FOR INDIRECT. SPECIAL. INCIDENTAL OR CONSQUENTIAL DAMAGE OR PENALTIES AND DOES NOT ASSUME ANY LIABILITY OF PURCHASER TO OTHERS, OR TO ANYONE FOR INJURY TO PERSONS OR PROPERTY.

THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED AND IMPLIED INCLUDING THE WARRANTY OF MERCHANTABILITY.

ANY CLAIMS OR SHORTAGES OR DAMAGES MUST BE IN WRITING WITHIN TEN DAYS AFTER RECEIPT OF SHIPMENT. BUYER SHALL NOTE LOSS OR DAMAGE ON TRUCK SHIPMENTS BY PROVIDING A DELIVERY RECEIPT SIGNED BY THE DRIVER.

MUELLER CO.

EFFECTIVE MARCH 1, 2010

TERMS

APPLYING TO DECATUR GAS PRODUCTS ONLY SUBJECT TO CHANGE WITHOUT NOTICE

ALL ORDERS ARE SUBJECT TO THE TERMS AND CONDITIONS CONTAINED HEREIN. ANY CHANGES MUST BE IN WRITING AND SIGNED BY A DULY AUTHORIZED MUELLER REPRESENTATIVE. ANY CHANGE MADE ON PURCHASER'S ORDER OR OTHER PRINTED MATERIAL SHALL BE EFFECTIVE TO CHANGE OR MODIFY MUELLER'S TERMS AND CONDITIONS ONLY IF AGREED TO IN WRITING.

AN ORDER WHICH SPECIFIES A FUTURE SHIPPING DATE, WILL BE SHIPPED ON OR NEAR SAID DATE. ANY CHANGE IN THE SHIPPING DATE TO BE VALID MUST BE MADE AT LEAST 30 DAYS PRIOR TO SAID SHIPPING DATE. MUELLER RESERVES THE RIGHT TO INVOICE FOR THE MATERIAL ON THE VALID SPECIFIED SHIPPING DATE.

CANCELLATION OF AN ORDER CAN ONLY OCCUR WHEN CONFIRMED BY AN AUTHORIZED MUELLER REPRESENTATIVE. ORDERS WHICH INVOLVE SPECIAL MATERIAL OR ITEMS WHICH ARE NOT NORMALLY INVENTORIED BY MUELLER WILL REQUIRE PAYMENT OF REASONABLE CANCELLATION CHARGES TO TAKE INTO ACCOUNT EXPENSES FOR LABOR AND MATERIAL COST INCURRED PRIOR TO THE CANCELLATION. DETERMINATION OF MATERIAL WHICH IS CONSIDERED SPECIAL ALONG WITH THE CHARGE WILL BE PROVIDED BY MUELLER TO THE CUSTOMER PRIOR TO ACTUALL CANCELLATION OF THE ORDER. ON ASTERISK (*) TYPE PRODUCTS (NOT NORMALLY STOCKED) – "WE RESERVE THE RIGHT TO SHIP OVER OR UNDER 10% OF QUANTITIES ORDERED."

ALL PRICES ARE SUBJECT TO CHANGE AND ALL MATERIALS WILL BE BILLED AT PRICES IN EFFECT ON THE DATE OF SHIPMENT UNLESS MUELLER OTHERWISE AGREES IN WRITING.

MINIMUM ORDER FROM ONE SHIPPING POINT - \$50.00 NET.

FOR SHIPMENT OF PRODUCTS WITHIN THE CONTINENTAL UNITED STATES EXCEPT ALASKA:

ALL SHIPMENTS ARE F.O.B. *FACTORY WITH FREIGHT ALLOWED ON A SINGLE ORDER HAVING A LIST PRICE VALUE OF \$3,500 OR MORE.

*F.O.B. - THE POINT AT WHICH TITLE TO THE GOODS AND RISK OF LOSS OR DAMAGE PASSES TO THE BUYER.

MUELLER WILL ATTEMPT TO COMPLY WITH PURCHASER'S DIRECTIONS FOR SHIPMENT, BUT MUELLER'S DETERMINATION OF THE METHOD OF SHIPMENT SHALL BE FINAL AND CONCLUSIVE.

TERMS OF PAYMENT ARE AS FOLLOWS UNLESS OTHERWISE AGREED UPON:

2% CASH DISCOUNT 15 DAYS FROM INVOICE DATE NET AMOUNT 30 DAYS FROM INVOICE DATE NO CASH DISCOUNT ON CREDIT CARD ORDERS

ANY TAXES AND EXCISES LEVIED BY ANY GOVERNMENTAL OR MUNICIPAL AUTHORITY INVOLVING THE SALE OF TRANSPORTATION OF THE GOODS MUST BE BORNE BY BUYER.

MUELLER SHALL NOT BE LIABLE FOR ANY DELAY OR DEFAULT IN SHIPPING FOR CAUSES NOT WITHIN MUELLER'S CONTROL INCLUDING, BUT NOT LIMITED TO STRIKES, PRODUCTION OR TRANSPORTATION DIFFICULTIES, EMPLOYEE LABOR DIFFICULTIES, FLOODS, ACTS OF GOD, OR OTHER CASUALTY NOT WITHIN MUELLER'S CONTROL. IN THE EVENT OF ANY DELAY OR DEFAULT IN DELIVERY FOR SUCH CAUSES, MUELLER SHALL HAVE SUCH ADDITIONAL TIME AS MAY BE REASONABLY NECESSARY, UNDER THE CIRCUMSTANCES, TO COMPLETE DELIVERY.

THIS AGREEMENT SHALL BE CONSTRUED ACCORDING TO THE LAWS OF THE STATE OF ILLINOIS. ANY DISPUTES ARISING HEREUNDER SHALL BE SUBMITTED TO EITHER THE CURRENT COURT OF MACON COUNTY, ILLINOIS, OR THE FEDERAL DISTRICT COURT IN SPRINGFIELD, ILLINOIS, AND THE PARTIES HERETO SUBMIT TO THE JURISDICTION OF SAID COURTS.

NO MATERIAL SHALL BE RETURNED TO MUELLER WITHOUT EXPRESS WRITTEN AUTHORIZATION FROM A DULY AUTHORIZED MUELLER REPRESENTATIVE. UNUSED STANDARD CATALOG ITEMS, DELIVERED AS ORDERED, MAY BE RETURNED, WITH PROPER AUTHORIZATION, FOR CREDIT. NON CATALOG OR SPECIALLY MANUFACTURED ITEMS, DELIVERED AS ORDERED, ARE NOT RETURNABLE UNLESS MUELLER CAN LOCATE AN ALTERNATE PURCHASER. ALL AUTHORIZED RETURNS ARE SUBJECT TO INSPECTION TO VERIFY MERCHANTABILITY AND WILL BE ASSESSED 20% RESTOCKING CHARGES.

WE HEREBY CERTIFIY THAT OUR GOODS ARE PRODUCED IN COMPLIANCE WITH ALL APPLICABLE REQUIREMENTS OF SECTION 6, 7, AND 12 OF THE FAIR LABOR STANDARDS ACT OF 1938, AS AMENDED, AND REGULATION AND ORDERS OF THE ADMINISTRATOR OF THE WAGE AND HOUR DIVISION ISSUED UNDER SECTION 14 THEREOF.

PLEASE CONTACT OUR SALES REPRESENTATIVE OR OUR GAS PRODUCTS DIVISION FOR ITEMS NOT SHOWN IN OUR PRICE SHEETS.

MUELLER CO., DECATUR, ILLINOIS www.muellercompany.com

EFFECTIVE MARCH 1, 2010

TRADEMARKS

One or more of the following trademarks may be shown on all goods of our manufacture on the containers in which they are shipped.

MUELLER® H M® H P® CEM-RES® MUELLER 110® 220® PIPE-SAVER® FULL-SEAL® SERVI-SEAL® XTRA-RANGE® ADAMS® MUELLER HP® PERSAFE® AUTOPERF® AUTOSAFE® CVS-PERF® GAS PHUSE® INNERLOCK LUBOSEAL® MUELLER DUROSEAL® LUBOSEAL® MUELLER 112® NEOPRESS® NO-BLO®

MUELLER CO., DECATUR, IL

EFFECTIVE MARCH 1, 2010

PART NUMBER INDEX BY SECTION



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H-17281	8
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H-17500	1
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	1
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H-17505	8
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SERVICE TEES

PART NUME	BER	DESCRIPTION	LIST PRICE	PART NUME	BER	DESCRIPTION	LIST PRICE
H-17500		SERVICE TEE - WELD X WELD	\$17.27	H-17504-01		TRANSITION SERVICE TEE - WELD X FUSION WELD	\$67.88
H-17500	1" X 1"	SERVICE TEE - WELD X WELD	\$21.39	H-17504-01		TRANSITION SERVICE TEE - WELD X FUSION WELD	\$74.53
H-17500	1-1/4" X 1-1/4"	SERVICE TEE - WELD X WELD	\$32.32	H-17504-01	2" X 2" MD PE IPS	TRANSITION SERVICE TEE - WELD X FUSION WELD	\$132.28
H-17500	1-1/4" X 1-1/2"	SERVICE TEE - WELD X WELD	\$58.49	H-17504-02	1" X 3/4" MD PE IPS	TRANSITION SERVICE TEE - WELD X FUSION WELD	\$62.91
H-17500	2" X 2"	SERVICE TEE - WELD X WELD	\$61.03	H-17504-04	3/4" X 3/4" HD PE IPS	TRANSITION SERVICE TEE - WELD X FUSION WELD	\$64.03
H-17501	3/4" X 3/4"	SERVICE TEE - WELD X WELD	\$28.50	H-17504-04	1-1/4" X 1" MD PE IPS	TRANSITION SERVICE TEE - WELD X FUSION WELD	\$87.77
H-17501	1" X 1"	SERVICE TEE - WELD X WELD	\$33.31	H-17504-05	2" X 2" MD PE IPS	TRANSITION SERVICE TEE WELD X FUSION WELD SDR 11 7" STEEL NIPPLE	\$135.24
H-17501	1-1/4" X 1-1/4"	SERVICE TEE - WELD X WELD	\$44.40	H-17504-06	2" X 2" HD PE IPS	TRANSITION SERVICE TEE WELD X FUSION WELD SDR 11 4" STEEL NIPPLE	\$71.09
H-17501	2" X 2"	SERVICE TEE - WELD X WELD	\$68.29	H-17510	1-1/4" X 1-1/2"	SERVICE TEE - WELD X EXTENDED OUTLET FOR COMPRESSION CONNECTION	\$68.36
H-17502	2" X 2"	SERVICE TEE - WELD X WELD	\$92.95	H-17530	2" X 2"	SERVICE TEE - WELD X INSULATING COMPRESSION CONNECTION	\$153.46
H-17503	1-1/4" X 1-1/4"	SERVICE TEE - WELD X WELD	\$66.86	H-17550	3/4" X 3/4"	SERVICE TEE - M.I.P. X WELD	\$44.86
H-17503	3"	3" SERVICE TEE	\$395.14	H-17550	1" X 1"	SERVICE TEE - M.I.P. X WELD	\$50.45
H-17503	4"	4" SERVICE TEE	\$487.53	H-17550	1-1/4" X 1-1/4"	SERVICE TEE - M.I.P. X WELD	\$67.75
H-17504-01	3/4" X 1/2" MD PE CTS	TRANSITION SERVICE TEE - WELD X FUSION WELD	\$58.67	H-17550	2" X 2"	SERVICE TEE - M.I.P. X WELD	\$94.95
H-17504-01	3/4" X 3/4" MD PE IPS	TRANSITION SERVICE TEE - WELD X FUSION WELD	\$64.03	H-17560	1-1/4" X 1-1/4"	SERVICE TEE - M.I.P. X EXTENDED OUTLET FOR COMPRESSION CONNECTION	\$67.73

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PART NUMBER		DESCRIPTION	LIST PRICE	PART NUMBER
H-17560	2"x 2"	SERVICE TEE - MIP X EXT OUTLET FOR COMPRESSION CONNECTION	\$133.49	
H-17570	3/4" X 3/4"	SERVICE TEE- M.I.P. X M.I.P.	\$30.72	
H-17570	1-1/4" X 1-1/4"	SERVICE TEE- M.I.P. X M.I.P.	\$46.97	
H-17570	1" X 1"	SERVICE TEE- M.I.P. X M.I.P.	\$47.44	
H-17570	2" X 2"	SERVICE TEE- M.I.P. X M.I.P.	\$96.21	
H-17580	1-1/4" X 1-1/4"	SERVICE TEE - M.I.P. X INSULATING COMPRESSION CONNECTION	\$111.30	
H-17580	2" X 2"	SERVICE TEE - M.I.P. X INSULATING COMPRESSION CONNECTION	\$143.99	

LIST PRICE

DESCRIPTION





SERVICE STOP TEES

PART NUMBER	DESCRIPTION	LIST PRICE	PART NUMBER	DESCRIPTION	LIST PRICE
H-17650 1"	SERVICE STOP TEE - WELD X WELD	\$32.61	H-17712 1"	SERVICE STOP TEE - M.I.P. X COMPRESSION CONNECTION	\$88.82
H-17650 ^{1 1/4"}	SERVICE STOP TEE - WELD X WELD	\$52.93	H-17712 1 1/4"	SERVICE STOP TEE - M.I.P. X COMPRESSION CONNECTION	\$110.65
H-17650 11/4" X 2"	SERVICE STOP TEE - WELD X WELD	\$107.12	H-17720 1"	SERVICE STOP TEE - M.I.P X M.I.P.	\$47.85
H-17650 2"	SERVICE STOP TEE - WELD X WELD	\$123.04	H-17724 1" X 3/4"	SERVICE STOP TEE - M I P. X F.I.P.	\$47.24
H-17656 1"	SERVICE STOP TEE - WELD X WELD	\$46.26	H-17724 3/4" X 3/4"	SERVICE STOP TEE	\$51.20
H-17656 11/4"	SERVICE STOP TEE - WELD X WELD	\$69.44	H-17724 1 1/4"	SERVICE STOP TEE - M I P. X F.I P.	\$98.60
H-17656 1 1/4" X 2"	SERVICE STOP TEE - WELD X WELD	\$145.53	H-17724 2" X 2"	SERVICE STOP TEE	\$176.68
H-17656 ^{2"}	SERVICE STOP TEE - WELD X WELD	\$151.58	H-17730 1"	SERVICE STOP TEE - M.I.P. X INSULATING COMPRESSION CONNECTION	\$ 91.31
H-17662 1"	SERVICE STOP TEE - WELD X COMPRESSION CONNECTION	\$90.28	H-17730 1 1/4"	SERVICE STOP TEE - M I.P. X INSULATING COMPRESSION CONNECTION	\$135.60
H-17670 1"	SERVICE STOP TEE - WELD X M.I.P.	\$44.14	H-17790 3/4"	SERVICE STOP TEE	\$56.79
H-17674 1" × 3/4"	SERVICE STOP TEE- WELD X F.I.P.	\$63.92	H-17790 11/4"	NO-BLO SERVICE STOP TEE	\$107.73
H-17674 1 1/4"	SERVICE STOP TEE - WELD X F.I.P.	\$96.84			
H-17695 ^{1/2"}	SERVICE STOP TEE - WELD X WELD	\$38.12			
H-17700 ¹ "	SERVICE STOP TEE - M.I.P. X WELD	\$ 49.57			
H-17700 ^{2"}	SERVICE STOP TEE - M.I.P. X WELD	\$143.61			

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CURB STOP TEES

PART NUMBER	DESCRIPTION	LIST PRICE	PART NUMBER	DESCRIPTION	LIST PRICE
H-17800 1"	CURB STOP TEE - WELD X WELD	\$60.42			
H-17800 1 1/4"	CURB STOP TEE - WELD X WELD	\$91.05			
H-17800 2"	CURB STOP TEE - WELD X WELD	\$177.79			
H-17860 ^{1 1/4} "	CURB STOP TEE - M.I.P. X EXTENDED WELD	\$152.82			
H-17900 ^{1"}	CURB STOP TEE - WELD X WELD	\$84.93			





AUTOPERF TEES

PART NUMBER		DESCRIPTION	LIST PRICE	PART NUMB	ER	DESCRIPTION	LIST PRICE
H-18090		3/4" X 3/8" OPERATING WRENCH WITH RATCHET HANDLE SIZE CODE 122	\$606.27	H-18101	1/2"	AUTOPERF TEE - WELD X WELD WITH 5/16" PERFORATOR	\$32.68
H-18090	_	1/2" X 1/4" OPERATING WRENCH WITH RATCHET HANDLE SIZE CODE 158	\$838.71	H-18102	3/4"	AUTOPERF TEE - WELD X WELD WITH 3/8" PERFORATOR	\$23.90
H-18091	,	3/4" X 3/8" OPERATING WRENCH LESS RATCHET HANDLE SIZE CODE 122	\$411.87	H-18102	3/4" X 1"	AUTOPERF TEE - WELD X WELD WITH 3/8" PERFORATOR	\$31.33
H-18092		3/4" CRIMPING TOOL WITH RATCHET HANDLE SIZE CODE 250	\$768.56	H-18102	1/2"	AUTOPERF TEE - WELD X WELD WITH 3/8" PERFORATOR	\$32.68
H-18093		3/4" CRIMPING TOOL LESS RATCHET HANDLE SIZE CODE 250	\$554.69	H-18102-00	1/2"	AUTOPERF TEE 1/2" WELD X 3/8" NPT INSIDE OUTLET 3/8" PERFORATOR	\$33.65
H-18094		1/2" X 5/16" OPERATING WRENCH WITH RATCHET HANDLE - NOT UNDER PRESSURE SIZE CODE 159	\$246.86	H-18104-01	3/4"	AUTOPERF TRANSITION TEE - WELD X FUSION WELD WITH 3/8" PERFORATOR	\$64.22
H-1809 4		3/4" X 3/8" OPERATING WRENCH WITH RATCHET HANDLE - NOT UNDER PRESSURE SIZE CODE 122	\$246.86	H-18104-01	3/4" X 1"	AUTOPERF TRANSITION TEE - WELD X FUSION WELD WITH 3/8" PERFORATOR	\$64.22
H-18095		3/4" X 3/8" OPERATING WRENCH LESS RATCHET HANDLE - NOT UNDER PRESSURE SIZE CODE 122	\$50.75	H-18104-01	3/4" X 1/2"	AUTOPERF TRANSITION TEE - WELD X FUSION WELD WITH 3/8" PERFORATOR	\$64.37
H-18095		1/2" X 1/4" OPERATING WRENCH LESS RATCHET HANDLE - NOT UNDER PRESSURE SIZE CODE 158	\$52.52	H-18104-01	1 <i>1</i> 2"	AUTOPERF TRANSITION TEE - WELD X FUSION WELD WITH 3/8" PERFORATOR	\$113.85
H-18095		1/2" X 5/16" OPERATING WRENCH LESS RATCHET HANDLE - NOT UNDER PRESSURE SIZE CODE 159	\$52.52	H-18104-02	3/4"	AUTOPERF TRANSITION TEE - WELD X FUSION WELD WITH 3/8" PERFORATOR	\$64.22
H-18096		1/2" X 5/16" T HANDLE OPERATING WRENCH - NOT UNDER PRESSURE SIZE CODE 159	\$70.26	H-18104-04	3/4"	AUTOPERF TRANSITION TEE - WELD X FUSION WELD WITH 3/8" PERFORATOR	\$64.22
H-18096		3/4" X 3/8" T HANDLE OPERATING WRENCH - NOT UNDER PRESSURE SIZE CODE 122	\$70.26	H-18104-04	3/4" X 1"	AUTOPERF TRANSITION TEE - WELD X FUSION WELD WITH 3/8" PERFORATOR	\$64.22
H-18097		3/4" CRIMPING TOOL "NEW STYLE" SIZE CODE 250	\$74.60	H-18104-04	3/4" X 1/2"	AUTOPERF TRANSITION TEE - WELD X FUSION WELD WITH 3/8" PERFORATOR	\$64.37
H-18101 ³	3/4"	AUTOPERF TEE - WELD X WELD WITH 5/16" PERFORATOR	\$23.90	H-18104-06	3/4" X 1/2"	AUTOPERF TRANSITION TEE - WELD X FUSION WELD WITH 3/8" PERFORATOR	\$64.37
H-18101 ³	3/4" X 1"	AUTOPERF TEE - WELD X WELD WITH 5/16" PERFORATOR	\$31.33	H-18107-00	3/4"	AUTOPERF TRANSITION TEE - WELD X IP THREAD WITH 3/8" PERFORATOR	\$39.61

PART NUMBER		DESCRIPTION	LIST PRICE	PART NUMBER
H-18109-01	3/4" X 1/2"	AUTOPERF TRANSITION TEE - WELD X FUSION WELD WITH 5/16" PERFORATOR	\$59.14	
H-18137	3/4"	AUTOPERF TEE MIP X WELD 3/8" PERFORATOR	\$27.76	
H-18194	1/2" X 5/8"	AUTOPERF TEE - WELD X MUELLER 112 COMPRESSION WITH 5/16" PERFORATOR SIZE CODE	\$59.91	
H-18196	1/2" X 5/8"	AUTOPERF TEE - WELD X MUELLER 110 COMPRESSION WITH 5/16" PERFORATOR SIZE CODE	\$ 59.91	
H-18197	1/2" X 5/8"	AUTOPERF TEE - WELD X MUELLER 110 COMPRESSION WITH 3/8" PERFORATOR SIZE CODE	\$ 51. 44	
H-18198	1/2" X 5/8"	AUTOPERF TEE - WELD X MUELLER 112 COMPRESSION WITH 3/8" PERFORATOR SIZE CODE	\$51.44	
H-18702	3/4" X 5/8"	AUTOPERF TRANSITION TEE WELD X 112 CC OUTLET	\$98.63	

LIST PRICE

DESCRIPTION





GAS-PHUSE TEES

ART NUMBER	DESCRIPTION	LIST PRICE	PART NUMBER	DESCRIPTION	LIST P
H-17842 1"	AUTOSAFE CURB STOP TEE - WELD X WELD WITH GAS-PHUSE DEVICE SIZE 500	\$133.68			
H-18051 ^{3/4} "	AUTOSAFE TEE - WELD X WELD WITH GAS-PHUSE DEVISE SIZE 250	\$46.97			
H-18052 ^{3/4"}	AUTOSAFE TEE - WELD X WELD WITH GAS-PHUSE DEVICE SIZE 500	\$46.97			
H-18208 ^{3/4"}	PERSAFE TEE - WELD X WELD 3/8" PERFORATOR WITH GAS-PHUSE DEVICE SIZE 500	\$69.21			





LOW PRESSURE FITTINGS

PART NUMBER	DESCRIPTION	LIST PRICE	 PART NUMBER	PART NUMBER DESCRIPTION
H-17170 ^{4"}	LOW PRESSURE LINE STOPPER FITTING NO SADDLE CONTOUR	\$167.22	ı	ı
H-17190 ^{3/4"}	LOW PRESSURE LINE STOPPER FITTING - WELDING TYPE	\$37.20		
H-17190 ^{1"}	LOW PRESSURE LINE STOPPER FITTING - WELDING TYPE	\$38.61		
H-17190 11/4"	LOW PRESSURE LINE STOPPER FITTING - WELDING TYPE	\$50.21	ſ	ſ
H-17190 ^{2"}	LOW PRESSURE LINE STOPPER FITTING - WELDING TYPE	\$67.37		
H-17190 ^{3"}	LOW PRESSURE LINE STOPPER FITTING - WELDING TYPE	\$137.00		
H-17190 4"	LOW PRESSURE LINE STOPPER FITTING - WELDING TYPE	\$157.77		
H-17191 ^{2"}	MECHANICAL JOINT LOW PRESSURE LINE STOPPER FITTING FOR STEEL PIPE.	\$141.53		
H-17191 ^{3"}	MECHANICAL JOINT LOW PRESSURE LINE STOPPER FITTING FOR STEEL PIPE.	\$228.94		
H-17191 4"	MECHANICAL JOINT LOW PRESSURE LINE STOPPER FITTING FOR STEEL PIPE.	\$326.85		
H-17192 ^{3"}	THIN WALL LOW PRESSURE LINE STOPPER FITTING WELDING TYPE.	\$135.80		
H-17192 4"	THIN WALL LOW PRESSURE LINE STOPPER FITTING WELDING TYPE.	\$206.20		
H-17193 ^{2"}	LOW PRESSURE EXTENSION STOPPER FITTING WELDING TYPE.	\$170.72		
H-17193 ^{3"}	LOW PRESSURE EXTENSION STOPPER FITTING WELDING TYPE.	\$317.64		
H-17193 4"	LOW PRESSURE EXTENSION STOPPER FITTING WELDING TYPE.	\$463.77		





3/4" - 2 1/2" LINE STOPPER FITTINGS

PART NUMBER		DESCRIPTION L	LIST PRICE PART NUMBER		IBER	DESCRIPTION LI	IST PRICE	
H-10412	1" X 2"	SAVE-A-VALVE DRILLING NIPPLE WELDING TYPE FOR STEEL PIPE SIZE CODE 337	\$22.30	H-17126	2"	LINE STOPPER FITTING WELDING TYPE FOR STEEL PIPE.	\$306.27	
H-10412	1 1/2" X 3"	SAVE-A-VALVE DRILLING NIPPLE SIZE CODE 504	\$56.64	H-17135		H-17135 STOPPING MACHINE (UNIT #1)	\$1,270.43	
H-10412	1 1/4" X 2"	SAVE-A-VALVE DRILLING NIPPLE WELDING TYPE FOR STEEL PIPE SIZE CODE 425	\$60.46	H-17140	2"	LINE STOPPER FITTING WELDING TYPE FOR STEEL PIPE	\$172.26	
H-10412	2" X 3"	SAVE-A-VALVE DRILLING NIPPLE WELDING TYPE FOR STEEL PIPE SIZE CODE 556	\$66.96	H-17142	2"	LINE STOPPER FITTING EXTENSION TYPE FOR STEEL PIPE	\$234.75	
H-10413	3/4" X 3"	SAVE-A-VALVE DRILLING NIPPLE THREADED TYPE FOR STEEL SIZE CODE 117	\$42.45	H-17143	2"	LINE STOPPER FITTING EXTENSION TYPE FOR STEEL PIPE	\$250.53	
H-10413	1" X 3"	SAVE-A-VALVE DRILLING NIPPLE THREADED TYPE FOR STEEL SIZE CODE 362	\$57.96	H-17150	2"	LINE STOPPER FITTING WELDING TYPE FOR STEEL PIPE	\$108.17	
H-10413	1 1/4" X 3"	SAVE-A-VALVE DRILLING NIPPLE THREADED TYPE FOR STEEL SIZE CODE 423	\$62.77	H-17151	2"	LINE STOPPER FITTING DEAD-END EXTENSION TYPE FOR STEEL PIPE	\$218.12	
H-10 4 13	2" X 3"	SAVE-A-VALVE DRILLING NIPPLE THREADED TYPE FOR STEEL SIZE CODE 556	\$149.14	H-17152	2"	LINE STOPPER FITTING EXTENSION TYPE FOR STEEL	\$232.34	
H-17055	3/4"	LINE STOPPER FITTING WELDING TYPE FOR STEEL PIPE.	\$40.31	H-17153	2"	LINE STOPPER FITTING EXTENSION TYPE FOR STEEL PIPE	\$228.85	
H-17055	1"	LINE STOPPER FITTING WELDING TYPE FOR STEEL PIPE.	\$45.79	H-17155	1 1/2"	LINE STOPPER FITTING WELDING TYPE FOR STEEL PIPE.	\$104.32	
H-17055	1-1/4"	LINE STOPPER FITTING WELDING TYPE FOR STEEL PIPE.	\$61.81	H-17155	2"	LINE STOPPER FITTING WELDING TYPE FOR STEEL PIPE.	\$108.17	
H-17056	3/4"	LINE STOPPER FITTING WELDING TYPE FOR STEEL PIPE.	\$48.77	H-17155	2 1/2"	LINE STOPPER FITTING WELDING TYPE FOR STEEL PIPE.	\$888.66	
H-17056	1"	LINE STOPPER FITTING WELDING TYPE FOR STEEL PIPE.	\$74.32	H-17156	2"	LINE STOPPER FITTING WELDING TYPE FOR STEEL PIPE.	\$181.02	
H-17056	1 1/4"	LINE STOPPER FITTING	\$83.61	H-17156	2 1/2"	LINE STOPPER FITTING WELDING TYPE FOR STEEL PIPE	\$963.78	
H-17125	2"	LINE STOPPER FITTING WELDING TYPE FOR STEEL PIPE.	\$124.13	H-17160	1 1/2"	LINE STOPPER FITTING WELDING TYPE FOR STEEL PIPE.	\$118.81	

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PART NUMBER		DESCRIPTION	LIS	T PRICE	PART NU	PART NUMBER		
H-17160	2"	LINE STOPPER FITT WELDING TYPE FOI PIPE.		\$122.33	H-17 4 91	3" X 6		
H-17160-01	2 1/2"	LINE STOPPER FITT WELDING TYPE FOI PIPE		\$902.75	H-17 4 91	3" X 3		
H-17161	2"	LINE STOPPER FITT WELDING TYPE FO PIPE.		\$186.90				
H-17161-01	2 1/2"	LINE STOPPER FIT WELDING TYPE FO PIPE.		\$1,056.35				
H-17165	2"	LINE STOPPER FIT MECHANICAL JOIN STEEL OR CAST IR	T FOR	\$488.71	-			
H-17165	2 1/4"	LINE STOPPER FIT MECHANICAL JOIN STEEL OR CAST IR	T FOR	\$553.20				
H-17166	2"	LINE STOPPER FIT INSULATED MECHA JOINT FOR STEEL I	NICAL	\$604.80				
H-17490	1" X 3"	SAVE-A-VALVE DRI NIPPLE WELDING 1 STEEL PIPE		\$17.09				
H-17 4 90	3/4" X 3"	SAVE-A-VALVE NIP	PLE	\$17.09				
H-17 4 90	3/4" X 2"	SAVE-A-VALVE DRI NIPPLE WELDING T STEEL PIPE		\$20.80				
H-17 4 90	1 1/4" X 3"	SAVE-A-VALVE DRI NIPPLE WELDING STEEL PIPE		\$37.02				
H-17 4 90	2" X 3"	SAVE-A-VALVE DR NIPPLE WELDING STEEL PIPE		\$52.03				
H-17 4 90	3" X 6"	SAVE-A-VALVE DR NIPPLE WELDING STEEL PIPE	ILLING TYPE FOR	\$145.88				
H-17491	3/4" X 2"	SAVE-A-VALVE DR NIPPLE WELDING STEEL PIPE	ILLING TYPE FOR	\$21.21				
H-17 4 91	3/4" X 3"	SAVE-A-VALVE DR NIPPLE	ILLING	\$21.21				
H-17491	1" x 3"	SAVE-A-VALVE DR NIPPLE WELDING STEEL PIPE		\$32.61				
H-17 491	1 1/4" X 3"	SAVE-A-VALVE DR NIPPLE WELDING STEEL PIPE		\$44.48				
H-17491	2" X 3"	SAVE-A-VALVE DR NIPPLE WELDING STEEL PIPE		\$60.88				

LIST PRICE

\$263.92

\$301.02

DESCRIPTION

3" X 6"

3" X 3"

SAVE-A-VALVE DRILLING NIPPLE WELDING TYPE FOR STEEL PIPE

SAVE-A-VALVE DRILLING NIPPLE WELDING TYPE FOR STEEL PIPE





3" - 12" LINE STOPPER FITTINGS

PART NUMBER	DESCRIPTION	LIST PRICE	PART NUMBE	R	DESCRIPTION	LIST PRICE
083318	14" GATE VALVE USED WITH 4SW STOPPING MACHINE	\$25,515.61	H-17251	4"	EXTENSION (DEAD END) LINE STOPPER FITTING WELDING TYPE FOR STEEL PIPE	\$1,079.00
083721	9" GATE VALVE - USED WITH 3SW-500 STOPPING MACHINE	\$17,861.45	H-17251	6"	EXTENSION (DEAD END) LINE STOPPER FITTING WELDING TYPE FOR STEEL PIPE	\$1,870.25
083953	GATE VALVE - 9 1/4" BORE - USED WITH UNIT 3 & 3SW STOPPING MACHINES	\$7,443.86	H-17251	8"	EXTENSION (DEAD END) LINE STOPPER FITTING WELDING TYPE FOR STEEL PIPE	\$3,673.60
088611	5" GATE VALVE USED WITH UNIT #2 STOPPING MACHINE	\$6,205.88	H-17252	4"	LINE STOPPER FITTING EXTENSION (LATERAL) TYPE FOR STEEL PIPE	\$1,455.24
H -17235	H17235 LINE STP MACHINE LESS 88611 GATE (OLD #089322)	\$3,778.28	H-17252	3"	LINE STOPPER FITTING EXTENSION (LATERAL) TYPE FOR STEEL PIPE	\$1,467.22
H -17246	H-17246 COMPLETION MACHINE (UNIT #2)	\$11,414.59	H-17252	6"	LINE STOPPER FITTING EXTENSION (LATERAL) TYPE FOR STEEL PIPE	\$2,585.27
H -17335	H-17335 LINE STOP MACHINE ONLY (OLD #089429)	\$4,667.16	H-17252	8"	LINE STOPPER FITTING EXTENSION (LATERAL) TYPE FOR STEEL PIPE	\$3,658.37
H -17340	H-17340 LINE STOP MACHINE ONLY (OLD #089366)	\$8,738.03	H-17255	3"	LINE STOPPER FITTING WELDING TYPE FOR STEEL PIPE	\$512.56
H -17342	H-17342 LINE STOP MACHINE ONLY (OLD #089422)	\$11,617.99	H-17255	4"	LINE STOPPER FITTING WELDING TYPE FOR STEEL PIPE	\$619.59
H -17345	H-17345 COMPLETION MACHINE (UNIT #3)	\$5,110.22	H-17255	6"	LINE STOPPER FITTING WELDING TYPE FOR STEEL PIPE	\$976.94
H -17346	H-17346 COMPLETION MACHINE (UNIT #3SW)	\$12,635.19	H-17255	4" X 3"	LINE STOPPER FITTING WELDING TYPE FOR STEEL PIPE	\$1,492.08
H -17347	H-17347 COMPLETION MACHINE (UNIT #3SW-500)	\$12,640.09	H-17255	8"	LINE STOPPER FITTING WELDING TYPE FOR STEEL PIPE	\$1,555.34
H -17440	H-17440 LINE STOP MACHINE ONLY (OLD #089430)	\$18,996.08	H-17255	10"	LINE STOPPER FITTING WELDING TYPE FOR STEEL PIPE	\$6,476.32
H -17445	H-17445 COMPLETION MACHINE ONLY (OLD #089431)	\$14,659.42	H-17255	12"	LINE STOPPER FITTING WELDING TYPE FOR STEEL PIPE	\$6,476.32
H -17619	H-17619 INSPECTION FLANGE	\$1,579.71	H-17256	3"	LINE STOPPER FITTING WELDING TYPE FOR STEEL PIPE	\$906.27

FOR ITEMS NOT LISTED OR WITH A ZERO PRICE PLEASE CALL MUELLER GAS CUSTOMER SERVICE AT 1-800-798-3131.
PRICES EFFECTIVE JANUARY 29, 2011

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10	39000	3/4" LW Contarion			570102		inde	pendent,
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3	100-703	1/2" FNPT Street of			570102			
3	10c-704	3/4" FNPT Shut off			()			
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20		3/4" x 1 /2 Nipples			1)			
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20		3/4" X 3" Nipples			11			
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PART NUMBER		DESCRIPTION	LIST PRICE	PART NUMBER		DESCRIPTION	LIST PRICE	
H-17256	4"	LINE STOPPER FITTING WELDING TYPE FOR STEEL PIPE	\$1,335.54	H-17260	8"	LINE STOPPER FITTING WELDING TYPE FOR STEEL PIPE	\$1,633.96	
H-17256	4" X 3"	LINE STOPPER FITTING WELDING TYPE FOR STEEL PIPE	\$1,892.46	H-17260	10"	LINE STOPPER FITTING WELDING TYPE FOR STEEL PIPE	\$6,691.04	
H-17256	6"	LINE STOPPER FITTING WELDING TYPE FOR STEEL PIPE	\$2,185.80	H-17260	12"	LINE STOPPER FITTING WELDING TYPE FOR STEEL PIPE	\$6,691.04	
H-17256	8"	LINE STOPPER FITTING WELDING TYPE FOR STEEL PIPE	\$3,019.26	H-17261	3"	LINE STOPPER FITTING WELDING TYPE FOR STEEL PIPE	\$1,264.92	
H-17257	4"	LINE STOPPER FITTING WELDING TYPE FOR STEEL PIPE	\$1,641.57	H-17261	4"	LINE STOPPER FITTING WELDING TYPE FOR STEEL PIPE	\$1,550.14	
H-17257	4" X 3"	LINE STOPPER FITTING WELDING TYPE FOR STEEL PIPE	\$2,525.79	H-17261	6"	LINE STOPPER FITTING WELDING TYPE FOR STEEL PIPE	\$2,262.49	
H-17257	6"	LINE STOPPER FITTING WELDING TYPE FOR STEEL PIPE	\$3,113.28	H-17261	8"	LINE STOPPER FITTING WELDING TYPE FOR STEEL PIPE	\$3,585.77	
H-17257	8"	LINE STOPPER FITTING WELDING TYPE FOR STEEL PIPE	\$3,835.08	H-17261-21	4" X 3"	LINE STOPPER FITTING WELDING TYPE FOR STEEL PIPE	\$2,415.00	
H-17257	10"	LINE STOPPER FITTING WELDING TYPE FOR STEEL PIPE	\$11,635.74	H-17261-22	4" X 3"	LINE STOPPER FITTING WELDEING TYPE FOR STEEL PIPE	\$2,161.51	
H-17257	12"	LINE STOPPER FITTING WELDING TYPE FOR STEEL PIPE	\$11,635.74	H-17264	3"	LINE STOPPER FITTING WELDING TYPE FOR STEEL PIPE	\$1,547.36	
H-17258	4"	LINE STOPPER FITTING WELDING TYPE FOR STEEL PIPE	\$1,674.30	H-17264	4"	LINE STOPPER FITTING WELDING TYPE FOR STEEL PIPE	\$1,899.72	
H-17258	4" X 3"	LINE STOPPER FITTING WELDING TYPE FOR STEEL PIPE	\$2,269.48	H-17264	4" X 3"	4" X 3" LINE STOPPER FITTING	\$2,331.63	
H-17258	6"	LINE STOPPER FITTING WELDING TYPE FOR STEEL PIPE	\$3,953.62	H-17264	6"	LINE STOPPER FITTING WELDING TYPE FOR STEEL PIPE	\$3,225.44	
H-17258	8"	LINE STOPPER FITTING WELDING TYPE FOR STEEL PIPE	\$6,056.04	H-17264	10"	LINE STOPPER FITTING WELDING TYPE FOR STEEL PIPE	\$13,547.07	
H-17260	3"	LINE STOPPER FITTING WELDING TYPE FOR STEEL PIPE	\$539.42	H-17264	12"	LINE STOPPER FITTING WELDING TYPE FOR STEEL PIPE	\$13,547.07	
H-17260	4"	LINE STOPPER FITTING WELDING TYPE FOR STEEL PIPE	\$677.49	H-17265	4"	LINE STOPPER FITTING MECHANICAL JOINT TYPE FOR STEEL PIPE	\$1,127.20	
H-17260	6"	LINE STOPPER FITTING WELDING TYPE FOR STEEL PIPE	\$1,037.49	H-17265	3"	LINE STOPPER FITTING MECHANICAL JOINT TYPE FOR STEEL PIPE	\$1,167.30	
H-17260	4" X 3"	LINE STOPPER FITTING WELDING TYPE FOR STEEL PIPE	\$1,613.05	H-17265	6"	LINE STOPPER FITTING MECHANICAL JOINT TYPE FOR STEEL PIPE	\$1,596.16	

PART NUMBER		DESCRIPTION	LIST PRICE	PART NUMBER		DESCRIPTION	LIST PRICE	
H-17265	8"	LINE STOPPER FITTING MECHANICAL JOINT TYPE FOR STEEL PIPE	\$2,256.12	H-17270	12"	LINE STOPPER FITTING WELDING TYPE FOR STEEL PIPE	\$8,698.36	
H-17265	12"	LINE STOPPER FITTING MECHANICAL JOINT TYPE FOR STEEL PIPE	\$17,586.89	H-17271	4"	LINE STOPPER FITTING WELDING TYPE FOR STEEL PIPE	\$1,743.01	
H-17266	4"	LINE STOPPER FITTING MECHANICAL JOINT TYPE FOR CAST IRON	\$868.86	H-17271	6"	LINE STOPPER FITTING WELDING TYPE FOR STEEL PIPE	\$2,810.51	
H-17266	3"	LINE STOPPER FITTING MECHANICAL JOINT TYPE FOR CAST IRON	\$889.67	H-17271	8"	LINE STOPPER FITTING WELDING TYPE FOR STEEL PIPE	\$3,074.16	
H-17266	6"	LINE STOPPER FITTING MECHANICAL JOINT TYPE FOR CAST IRON	\$1,302.87	H-17272	4"	LINE STOPPER FITTING WELDING TYPE FOR STEEL PIPE	\$1,836.22	
H-17266	8"	LINE STOPPER FITTING MECHANICAL JOINT TYPE FOR CAST IRON	\$1,803.54	H-17274	12"	12" LINE STOPPER FITTING	\$10,645.32	
H-17266	10"	LINE STOPPER FITTING MECHANICAL JOINT TYPE FOR CAST IRON	\$9,321.05	H-17275	6"	LINE STOPPER FITTING WELDING TYPE FOR THIN WALL STEEL PIPE	\$1,055.22	
H-17266	12"	LINE STOPPER FITTING MECHANICAL JOINT TYPE FOR CAST IRON	\$9,321.05	H-17275	8"	LINE STOPPER FITTING WELDING TYPE FOR THIN WALL STEEL PIPE	\$1,641.35	
H-17268	3"	INSULATED MECHANICAL JOINT LINE STOPPER FITTING FOR STEEL PIPE	\$1,735.50	H-17276	6"	LINE STOPPER FITTING WELDING TYPE FOR THIN WALL STEEL PIPE	\$2,316.60	
H-17268	4"	INSULATED MECHANICAL JOINT LINE STOPPER FITTING FOR STEEL PIPE	\$2,397.75	H-17276	8"	LINE STOPPER FITTING WELDING TYPE FOR THIN WALL STEEL PIPE	\$3,224.01	
H-17268	6"	INSULATED MECHANICAL JOINT LINE STOPPER FITTING FOR STEEL PIPE	\$3,265.46	H-17277	6"	LINE STOPPER FITTING WELDING TYPE FOR THIN WALL STEEL PIPE	\$3,014.25	
H-17269	4"	LINE STOPPER FITTING WELDING TYPE FOR STEEL PIPE	\$1,931.34	H-17277	8"	LINE STOPPER FITTING WELDING TYPE FOR THIN WALL STEEL PIPE	\$3,991.97	
H-17269	8"	LINE STOPPER FITTING WELDING TYPE FOR STEEL PIPE	\$5,515.13	H-17278	6"	LINE STOPPER FITTING WELDING TYPE FOR THIN WALL STEEL PIPE	\$3,221.25	
H-17270	3"	LINE STOPPER FITTING WELDING TYPE FOR STEEL PIPE	\$716.38	H-17278	8"	LINE STOPPER FITTING WELDING TYPE FOR THIN WALL STEEL PIPE	\$6,143.21	
H-17270	4"	LINE STOPPER FITTING WELDING TYPE FOR STEEL PIPE	\$852.40	H-17280	6"	LINE STOPPER FITTING WELDING TYPE FOR THIN WALL STEEL PIPE	\$1,125.47	
H-17270	6"	LINE STOPPER FITTING WELDING TYPE FOR STEEL PIPE	\$1,298.08	H-17280	8"	LINE STOPPER FITTING WELDING TYPE FOR THIN WALL STEEL PIPE	\$1,719.47	
H-17270	8"	LINE STOPPER FITTING WELDING TYPE FOR STEEL PIPE	\$2,131.32	H-17281	6"	LINE STOPPER FITTING WELDING TYPE FOR THIN WALL STEEL PIPE	\$2,273.49	
H-17270	10"	LINE STOPPER FITTING WELDING TYPE FOR STEEL PIPE	\$8,698.36	H-17281	8"	LINE STOPPER FITTING WELDING TYPE FOR THIN WALL STEEL PIPE	\$3,961.05	

SECTION 8 PAGE 3

PART NUMBER		DESCRIPTION	LIST PRICE	PART NUMB	ER	DESCRIPTION	LIST PRICE	
H-17282	6"	LINE STOPPER FITTING WELDING TYPE FOR THIN WALL STEEL PIPE	\$3,225.44	H-17357	12"	12" SIDE OUT FITTING	\$11,930.00	
H-17283	6"	LINE STOPPER FITTING WELDING TYPE FOR THIN WALL STEEL PIPE	\$3,415.26	H-17360	3"	3" SIDE OUT LINE STOPPER FITTING	\$598.75	
H-17283	8"	LINE STOPPER FITTING WELDING TYPE FOR THIN WALL STEEL PIPE	\$5,362.59	H-17360	4"	4" SIDE OUT LINE STOPPER FITTING	\$808.49	
H-17285	6"	LINE STOPPER FITTING MECHANICAL JOINT TYPE FOR THIN WALL	\$1,620.77	H-17360	6"	6" SIDE OUT LINE STOPPER FITTING	\$1,306.70	
H-17286	6"	LINE STOPPER FITTING WELDING TYPE FOR THIN WALL STEEL PIPE	\$1,125.31	H-17360	8"	8" SIDE OUT LINE STOPPER FITTING	\$1,802.59	
H-17286	8"	LINE STOPPER FITTING WELDING TYPE FOR THIN WALL STEEL PIPE	\$1,719.47	H-17360	10"	10" SIDE OUT FITTING	\$6,915.64	
H-17287	6"	LINE STOPPER FITTING WELDING TYPE FOR THIN WALL STEEL PIPE	\$2,387.22	H-17360	12"	12" SIDE OUT FITTING	\$6,915.64	
H-17287	8"	LINE STOPPER FITTING WELDING TYPE FOR THIN WALL STEEL PIPE	\$3,454.87	H-17361	4"	4" SIDE OUT LINE STOPPER FITTING	\$1 ,681.55	
H-17355	3"	3" SIDE OUT LINE STOPPER FITTING	\$618.73	H-17361	6"	6" SIDE OUT LINE STOPPER FITTING	\$2,445.00	
H-17355	4"	4" SIDE OUT LINE STOPPER FITTING	\$712.12	H-17361	8"	8" SIDE OUT LINE STOPPER FITTING	\$3,827.61	
H-17355	6"	6" SIDE OUT LINE STOPPER FITTING	\$1,097.90	H-17364	10"	10" SIDE OUT FITTING	\$13,877.89	
H-17355	8"	8" SIDE OUT LINE STOPPER FITTING	\$1 ,710.99	H-17364	12"	12" SIDE OUT FITTING	\$13,877.89	
H-17 3 55	10"	10" SIDE OUT LINE STOPPER FITTING	\$6,589.20	H-17375	6"	6" SIDE OUT LINE STOPPER FITTING	\$1,177.56	
H-17355	12"	12" SIDE OUT FITTING	\$6,589.20	H-17375	8"	8" SIDE OUT LINE STOPPER FITTING	\$1,801.78	
H-17356	4"	4" SIDE OUT LINE STOPPER FITTING	\$1,453.34	H-17376	6"	6" SIDE OUT LINE STOPPER FITTING	\$2,502.86	
H-17356	6"	6" SIDE OUT LINE STOPPER FITTING	\$2,366.21	H-17376	8"	8" SIDE OUT LINE STOPPER FITTING	\$3,402.02	
H-17356	8"	8" SIDE OUT LINE STOPPER FITTING	\$3,228.20	H-17380	6"	6" SIDE OUT LINE STOPPER FITTING	\$1,234.15	
H-17357	10"	10" SIDE OUT FITTING	\$11,930.00	H-17380	8"	8" SIDE OUT LINE STOPPER FITTING	\$1,885.96	

PART NUMBER		DESCRIPTION	LIST PRICE	PART NUMBE	R	DESCRIPTION	LIST PRICE	
H-17381	6"	6" SIDE OUT LINE STOPPER FITTING	\$2,626.73	H-17 4 80	6"	6" SPHERICAL LINE STOPPER FITTING	\$2,678.43	
H-17381	8"	8" SIDE OUT LINE STOPPER FITTING	\$4,214.01	H-17480	8"	8" SPHERICAL LINE STOPPER FITTING	\$3,013.71	
H-17 4 60	4"	4" SPHERICAL LINE STOPPER FITTING	\$1,635.68	H-17481	6"	6" SPHERICAL LINE STOPPER FITTING	\$3,460.46	
H-17 4 60	6"	6" SPHERICAL LINE STOPPER FITTING	\$2,678.43	H-17481	8"	8" SPHERICAL LINE STOPPER FITTING	\$5,757.33	
H-1 74 60	8"	8" SPHERICAL LINE STOPPER FITTING	\$3,013.71	H-17486	6"	6" SPHERICAL LINE STOPPER FITTING	\$2,413.58	
H-17 4 60	10"	10" SPHERICAL LINE STOPPER FITTING	\$9,145.20	H-17486	8"	8" SPHERICAL LINE STOPPER FITTING	\$3,043.90	
H-17 4 60	12"	12" SPHERICAL LINE STOPPER FITTING	\$9,145.20	H-17487	6"	6" SPHERICAL LINE STOPPER FITTING	\$3,388.42	
H-17 4 61	4"	4" SPHERICAL LINE STOPPER FITTING	\$2,235.24	H-17487	8"	8" SPHERICAL LINE STOPPER FITTING	\$5,801.59	
H-17 4 61	6"	6" SPHERICAL LINE STOPPER FITTING	\$3,460.46	H-17495	4" X 6"	SAVE-A-VALVE DRILLING NIPPLE FOR STEEL PIPE	\$555.51	
H-1 74 61	8"	8" SPHERICAL LINE STOPPER FITTING	\$5,757.33	H-17 4 95	6" X 12"	SAVE-A-VALVE DRILLING NIPPLE FOR STEEL PIPE SIZE CODE 728	\$1,305.77	
H- 17464	10"	10" SPHERICAL LINE STOPPER FITTING	\$15,937.73	H-17496	4" X 6"	SAVE-A-VALVE DRILLING NIPPLE FOR STEEL PIPE SIZE CODE 725	\$1,354.38	
H-1 7464	12"	12" SPHERICAL LINE STOPPER FITTING	\$15,937.73	H-17496	8" X 12"	SAVE-A-VALVE DRILLING NIPPLE FOR STEEL PIPE SIZE CODE 729	\$1,940.66	
H-17 4 70	4"	4" SPHERICAL LINE STOPPER FITTING	\$1,635.68	H-17497	4" X 10"	SAVE-A-VALVE DRILLING NIPPLE FOR STEEL PIPE	\$1,520.34	
H-17 47 0	6"	6" SPHERICAL LINE STOPPER FITTING	\$2,413.58	H-17505	3"	FLANGED TEE FOR STEEL PIPE	\$529.65	
H-17470	8"	8" SPHERICAL LINE STOPPER FITTING	\$3,043.90	H-17505	4"	FLANGED TEE FOR STEEL PIPE	\$679.71	
H-17 471	4"	4" SPHERICAL LINE STOPPER FITTING	\$2,208.08	H-17505	6"	FLANGED TEE FOR STEEL PIPE	\$1,149.24	
H-17471	6"	6" SPHERICAL LINE STOPPER FITTING	\$3,388.42	H-17505	8"	FLANGED TEE FOR STEEL PIPE	\$1,808.68	
H-17471	8"	8" SPHERICAL LINE STOPPER FITTING	\$5,801.59	H-17505-00	3"	FLANGED TEE FOR STEEL PIPE NO CONTOUR OR BEVEL	\$541.80	

ER	DESCRIPTION	LIST PRICE	PART NUMBER
4"	FLANGED TEE FOR STEEL PIPE NO CONTOUR OR BEVEL	\$710.59	
6"	FLANGED TEE FOR STEEL PIPE NO CONTOUR OR BEVEL	\$1,172.76	
8"	FLANGED TEE FOR STEEL PIPE NO CONTOUR OR BEVEL	\$1,723.48	
3"	FLANGED TEE FOR STEEL PIPE	\$1,126.51	
4"	FLANGED TEE FOR STEEL PIPE	\$1,204.95	
6"	FLANGED TEE FOR STEEL PIPE	\$2,812.82	
8"	FLANGED TEE FOR STEEL PIPE	\$3,116.66	
3"	FLANGED TEE FOR STEEL PIPE NO CONTOUR OR BEVEL	\$1,149.07	
4"	FLANGED TEE FOR STEEL PIPE NO CONTOUR OR BEVEL	\$1,377.59	
6"	FLANGED TEE FOR STEEL PIPE NO CONTOUR OR BEVEL	\$2,869.05	
8"	FLANGED TEE FOR STEEL PIPE NO CONTOUR OR BEVEL	\$3,152.23	
4"	FLANGED TEE FOR STEEL PIPE	\$1,503.26	
4"	FLANGED TEE FOR STEEL PIPE NO CONTOUR OR BEVEL	\$1,372.33	
4"	FLANGED TEE FOR STEEL PIPE	\$1,522.77	
6"	FLANGED TEE FOR STEEL PIPE	\$3,655.52	
	4" 6" 8" 4" 4" 4" 4" 4"	4" FLANGED TEE FOR STEEL PIPE NO CONTOUR OR BEVEL 8" FLANGED TEE FOR STEEL PIPE NO CONTOUR OR BEVEL 3" FLANGED TEE FOR STEEL PIPE NO CONTOUR OR BEVEL 4" FLANGED TEE FOR STEEL PIPE 8" FLANGED TEE FOR STEEL PIPE 8" FLANGED TEE FOR STEEL PIPE 4" FLANGED TEE FOR STEEL PIPE NO CONTOUR OR BEVEL 4" FLANGED TEE FOR STEEL PIPE NO CONTOUR OR BEVEL 6" FLANGED TEE FOR STEEL PIPE NO CONTOUR OR BEVEL 8" FLANGED TEE FOR STEEL PIPE NO CONTOUR OR BEVEL 4" FLANGED TEE FOR STEEL PIPE NO CONTOUR OR BEVEL 4" FLANGED TEE FOR STEEL PIPE NO CONTOUR OR BEVEL 4" FLANGED TEE FOR STEEL PIPE NO CONTOUR OR BEVEL 4" FLANGED TEE FOR STEEL PIPE NO CONTOUR OR BEVEL 4" FLANGED TEE FOR STEEL PIPE NO CONTOUR OR BEVEL 4" FLANGED TEE FOR STEEL PIPE NO CONTOUR OR BEVEL 6" FLANGED TEE FOR STEEL	4" FLANGED TEE FOR STEEL PIPE NO CONTOUR OR BEVEL \$710.59 6" FLANGED TEE FOR STEEL PIPE NO CONTOUR OR BEVEL \$1,1723.48 8" FLANGED TEE FOR STEEL PIPE NO CONTOUR OR BEVEL \$1,723.48 3" FLANGED TEE FOR STEEL PIPE \$1,126.51 4" FLANGED TEE FOR STEEL PIPE \$1,204.95 6" FLANGED TEE FOR STEEL PIPE \$2,812.82 8" FLANGED TEE FOR STEEL PIPE NO CONTOUR OR BEVEL \$3,116.66 3" FLANGED TEE FOR STEEL PIPE NO CONTOUR OR BEVEL \$1,377.59 6" FLANGED TEE FOR STEEL PIPE NO CONTOUR OR BEVEL \$2,869.05 8" FLANGED TEE FOR STEEL PIPE NO CONTOUR OR BEVEL \$3,152.23 4" FLANGED TEE FOR STEEL PIPE NO CONTOUR OR BEVEL \$1,503.26 4" FLANGED TEE FOR STEEL PIPE NO CONTOUR OR BEVEL \$1,372.33 4" FLANGED TEE FOR STEEL PIPE NO CONTOUR OR BEVEL \$1,372.33 4" FLANGED TEE FOR STEEL \$1,522.77 6" FLANGED TEE FOR STEEL \$3,655.52

LIST PRICE

DESCRIPTION





SMALL DRILLING MACHINES

PART NUMBER	DESCRIPTION	LIST PRICE	PART NUMBER	DESCRIPTION	LIST PRICE
A-3	A-3 MACHINE (039210)	\$4,541.23	H-10917 2"	2" SLIDE GATE VALVE	\$750.08
B-101	B-101 DRILLING MACHINE - MODIFIED FOR GAS USE (039650)	\$3,305.89	H-10917 2 1/2"	2 1/2" SLIDE GATE VALVE	\$820.30
D-5	D-5 MACHINE (039305)	\$1,745.63	H-10917 ^{3"}	3" SLIDE GATE VALVE	\$896.61
DH-5	DH-5 MACHINE (039315)	\$4,869.22	H-10917 4"	4" SLIDE GATE VALVE	\$1,236.51
E-5	E-5 MACHINE (039330)	\$1,381.57	H-10918 11/4"	STEEL BALL VALVE	\$390.27
EH-5	EH-5 DRILLING MACHINE (039341)	\$3,193.66	H-10918 11/2"	STEEL BALL VALVE	\$583.76
H-109 14 ^{3/4"}	3/4" BRONZE GATE VALVE	\$66.72	H-10918 2"	STEEL BALL VALVE	\$699.38
H-10914 1"	1" BRONZE GATE VALVE	\$86.95	H-10918 2 1/2"	STEEL BALL VALVE	\$1,155.40
H-10914 ^{1 1/4} "	1 1/4" BRONZE GATE VALVE	\$119.53	H-10918 ^{3"}	STEEL BALL VALVE	\$1,760.67
H-10914 ^{1 1/2"}	1 1/2" BRONZE GATE VALVE	\$129.05	H-17025	H-17025 CONTROL CHAMBER	\$581.73
H-10914 ^{2"}	2" BRONZE GATE VALVE	\$204.83	H-17040 ^{3/4} "	3/4" H-17040 STOPPING MACHINE	\$383.22
H-10914 ^{2 1/2} "	2 1/2" BRONZE GATE VALVE	\$307.43	H-17040 1"	1" H-17040 STOPPING MACHINE	\$447.53
H-10914 ^{3"}	3" BRONZE GATE VALVE	\$458.83	H-17040 11/4"	1 1/4" H-17040 STOPPING MACHINE	\$501.59
H-10916 1 1/4"	STEEL GATE VALVE	\$506.88	H-17045	H-17045 COMPLETION MACHINE	\$475.73
H-10916 11/2"	STEEL GATE VALVE	\$657.08	H-17145	H-17145 COMPLETION MACHINE	\$1,683.06
H-10916 ^{2"}	STEEL GATE VALVE	\$1,606.78	H-60 4	H-604 AIR POWER OPERATOR	\$6,245.02

FOR ITEMS NOT LISTED OR WITH A ZERO PRICE PLEASE CALL MUELLER GAS CUSTOMER SERVICE AT 1-800-798-3131.

PRICES EFFECTIVE JANUARY 29, 2011

SECTION 9 PAGE 1

PART NUMBER	DESCRIPTION	LIST PRICE	PART NUMBER	DESCRIPTION	LIST PRICE	
H-704	H-704 HYDRAULIC OPERATOR	\$ 7,0 44 .98				





C1-36 MACHINE AND OPERATORS

PART NUMBER	DESCRIPTION	LIST PRICE	PART NUMBER	DESCRIPTION
C1-36	C1-36 DRILLING MACHINE (039260)	\$19,836.84		
H-607	H-607 HYDRAULIC OPERATOR	\$3,885.79		
H-614	H-614 AIR POWER OPERATOR	\$6,413.34		





METER VALVE CHANGERS

040709 BLEEDER O-RING \$1.49 053832 SHAFT FERRULE RETAINING NUT 043973 TOP SHAFT O-RING \$5.39 053856 TOP SHAFT O-RING 050936 BLEEDER RING \$23.02 053863 SHAFT FERRULE RETAINING NUT 050997 BLEEDER RING \$31.35 053935 SHAFT FERRULE RETAINING NUT 050990 RETAINING RING \$15.24 072239 BOTTOM TUBE O-RING 051003 BLEEDER RING \$49.33 078818 TOP SHAFT O-RING 051014 RETAINING RING \$15.81 078828 BLEEDER O-RING 051059 SHAFT TUBE WASHER \$5.41 079311 GROOVED PIN 051100 RUBBER PLUG 1"H-17010 \$14.63 079344 BOTTOM TUBE O-RING 051101 SHAFT NUT \$14.86 079351 BLEEDER O-RING 051101 SHAFT TUBE WASHER \$5.116 079479 BLEEDER O-RING 051110 SHAFT TUBE WASHER \$5.41 079514 TOP SHAFT O-RING 051111 COLLAR \$17.54 083276 SHAFT CRANK ASSEMBLY \$ 051113 RUBBER PLUG 1 1/4" H-17010 \$14.16 083277 SHAFT CRANK ASSEMBLY \$ 051134 SHAFT NUT \$16.07 083278 SHAFT CRANK ASSEMBLY \$ 051135 SLEEVE (2 PER UNIT) \$37.97 083281 STUFFING BOX \$1 051159 SHAFT TUBE WASHER \$5.15 083282 STUFFING BOX \$1 051169 SHAFT TUBE WASHER \$5.15 083282 STUFFING BOX \$1 051169 SHAFT TUBE WASHER \$5.15 083282 STUFFING BOX \$1 051169 SHAFT TUBE WASHER \$5.15 083282 STUFFING BOX \$1 051169 SHAFT TUBE WASHER \$5.15 083282 STUFFING BOX \$1 051169 SHAFT TUBE WASHER \$5.15 083282 STUFFING BOX \$1 051169 SHAFT TUBE WASHER \$5.15 083283 STUFFING BOX \$1 051169 SHAFT TUBE WASHER \$5.15 083282 STUFFING BOX \$1 051169 SHAFT TUBE WASHER \$5.15 083282 STUFFING BOX \$1 051169 SHAFT TUBE WASHER \$5.15 083283 STUFFING BOX \$1 051169 SHAFT TUBE WASHER \$5.15 083282 STUFFING BOX \$1 051169 SHAFT TUBE WASHER \$5.15 083283 SHAFT TUBE ASSEMBLY H-17012 \$1.4 051249 SHAFT NUT \$12.99 083803 SHAFT TUBE ASSEMBLY H-17012 \$1.4 051288 SHAFT FERRULE \$52.94 083805 H-17012 1 1/2" PLUGGING UNIT MODEL #1 \$8	PART NUMBER	DESCRIPTION	LIST PRICE	PART NUMBER	DESCRIPTION	LIST PRICE
043973 TOP SHAFT O-RING \$5.39 053856 TOP SHAFT O-RING 050936 BLEEDER RING \$23.02 053863 SHAFT FERRULE RETAINING NUT 050947 BLEEDER RING \$31.35 053935 SHAFT FERRULE RETAINING NUT 050990 RETAINING RING \$15.24 072239 BOTTOM TUBE O-RING 051003 BLEEDER RING \$49.33 078818 TOP SHAFT O-RING 051014 RETAINING RING \$15.81 078828 BLEEDER O-RING 051059 SHAFT TUBE WASHER \$5.41 079311 GROOVED PIN 051100 RUBBER PLUG 1" H-17010 \$14.83 079344 BOTTOM TUBE O-RING 051101 SHAFT NUT \$14.86 079351 BLEEDER O-RING 051101 SHAFT RUBE WASHER \$5.11 079479 BLEEDER O-RING 051110 SHAFT TUBE WASHER \$5.41 079514 TOP SHAFT O-RING 051111 COLLAR \$17.54 083276 SHAFT CRANK ASSEMBLY \$17.54 083277 SHAFT CRANK ASSEMBLY \$17.54 083278 SHAFT CRANK ASSEMBLY \$17.54 083278 SHAFT CRANK ASSEMBLY \$17.54 083278 SHAFT CRANK ASSEMBLY \$17.55 SLEEVE (2 PER UNIT) \$16.07 083281 STUFFING BOX \$17.55 083282 STUFFING BOX \$17.55 083283 STUFFING BOX \$17.55 083283 STUFFING BOX \$17.55 083283 STUFFING BOX \$17.55 083284 SHAFT CRANK ASSEMBLY \$17.55 083285 STUFFING BOX \$17.55 083285 STUFFING BOX \$17.55 083285 STUFFING BOX \$17.55 083285 SHAFT TUBE WASHER \$17.55 083285 STUFFING BOX \$17.55 083285 SHAFT TUBE WASHER \$17.55 083285 STUFFING BOX \$17.55 083285 SHAFT TUBE WASHER \$17.55 083285 SHAFT TUBE WASHER \$17.55 083285 SHAFT TUBE WASHER \$17.55 083285 SHAFT TUBE ASSEMBLY H-17012 \$17.55 08	033396	NUT	\$4.28	053777	RETAINING RING	\$ 5.07
050936 BLEEDER RING \$23.02 053863 SHAFT FERRULE RETAINING NUT 050947 BLEEDER RING \$31.35 053935 SHAFT FERRULE RETAINING NUT 050990 RETAINING RING \$15.24 072239 BOTTOM TUBE O-RING 051003 BLEEDER RING \$49.33 078818 TOP SHAFT O-RING 051014 RETAINING RING \$15.81 078828 BLEEDER O-RING 051059 SHAFT TUBE WASHER \$5.41 079311 GROOVED PIN 051100 RUBBER PLUG 1"H-17010 \$14.63 079344 BOTTOM TUBE O-RING 051101 SHAFT FERRULE \$51.16 079351 BLEEDER O-RING 051103 SHAFT FERRULE \$51.16 079479 BLEEDER O-RING 051110 SHAFT TUBE WASHER \$5.41 079514 TOP SHAFT C-RING 051112 COLLAR \$17.54 083276 SHAFT CRAIK ASSEMBLY \$ 051113 RUBBER PLUG 1 1/4" H-17010 \$14.16 083277 SHAFT CRAIK ASSEMBLY \$ 051134 SHAFT NUT \$16.07	040709	BLEEDER O-RING	\$1.49	053832	SHAFT FERRULE RETAINING NUT	\$1.17
050947 BLEEDER RING \$31.35 053935 SHAFT FERRULE RETAINING NUT 050990 RETAINING RING \$15.24 072239 BOTTOM TUBE C-RING 051003 BLEEDER RING \$49.33 078818 TOP SHAFT O-RING 051014 RETAINING RING \$15.81 078828 BLEEDER C-RING 051059 SHAFT TUBE WASHER \$5.41 079311 GROOVED PIN 051100 RUBBER PLUG 1" H-17010 \$14.83 079344 BOTTOM TUBE C-RING 051101 SHAFT NUT \$14.86 079351 BLEEDER O-RING 051110 SHAFT FERRULE \$51.16 079479 BLEEDER O-RING 051110 SHAFT TUBE WASHER \$5.41 079514 TOP SHAFT O-RING 051112 COLLAR \$17.54 083276 SHAFT CRANK ASSEMBLY \$ 051134 SHAFT NUT \$16.07 083278 SHAFT CRANK ASSEMBLY \$ 051159 SHAFT TUBE WASHER \$5.15 083281 STUFFING BOX \$1 051169 SHAFT TUBE WASHER \$5.15	043973	TOP SHAFT O-RING	\$5.39	053856	TOP SHAFT O-RING	\$2.51
050990 RETAINING RING \$15.24 072239 BOTTOM TUBE O-RING 051003 BLEEDER RING \$49.33 078818 TOP SHAFT O-RING 051014 RETAINING RING \$15.81 078828 BLEEDER O-RING 051059 SHAFT TUBE WASHER \$5.41 079311 GROOVED PIN 051100 RUBBER PLUG 1" H-17010 \$14.63 079344 BOTTOM TUBE O-RING 051101 SHAFT NUT \$14.86 079351 BLEEDER O-RING 051106 SHAFT FERRULE \$51.16 079479 BLEEDER O-RING 051112 COLLAR \$17.54 083276 SHAFT CRANK ASSEMBLY \$ 051113 RUBBER PLUG 1 1/4"H-17010 \$14.16 083277 SHAFT CRANK ASSEMBLY \$ 051134 SHAFT NUT \$16.07 083278 SHAFT CRANK ASSEMBLY \$ 051159 SHAFT TUBE WASHER \$5.15 083281 STUFFING BOX \$1 051189 SHAFT FERRULE \$37.25 083282 STUFFING BOX \$1 051243 RUBBER PLUG	050936	BLEEDER RING	\$23.02	053863	SHAFT FERRULE RETAINING NUT	\$3.90
051003 BLEEDER RING \$49.33 078818 TOP SHAFT O-RING 051014 RETAINING RING \$15.81 078828 BLEEDER O-RING 051059 SHAFT TUBE WASHER \$5.41 079311 GROOVED PIN 051100 RUBBER PLUG 1" H-17010 \$14.63 079344 BOTTOM TUBE O-RING 051101 SHAFT NUT \$14.86 079351 BLEEDER O-RING 051100 SHAFT FERRULE \$51.16 079479 BLEEDER O-RING 051110 SHAFT TUBE WASHER \$5.41 079514 TOP SHAFT O-RING 051110 SHAFT TUBE WASHER \$5.41 079514 TOP SHAFT O-RING 051112 COLLAR \$17.54 083276 SHAFT CRANK ASSEMBLY \$105113 RUBBER PLUG 1 1/4" H-17010 \$14.16 083277 SHAFT CRANK ASSEMBLY \$1051134 SHAFT NUT \$16.07 083278 SHAFT CRANK ASSEMBLY \$1051155 SLEEVE (2 PER UNIT) \$37.97 083281 STUFFING BOX \$11051159 SHAFT TUBE WASHER \$5.15 083282 STUFFING BOX \$11051159 SHAFT TUBE WASHER \$5.15 083282 STUFFING BOX \$11051159 SHAFT TUBE WASHER \$5.15 083283 STUFFING BOX \$110511243 RUBBER PLUG \$14.86 083792 SAFETY CLAMP USED W/H-17012 \$1.4051249 SHAFT NUT \$12.99 083803 SHAFT TUBE ASSEMBLY H-17012 \$21.4051288 SHAFT FERRULE \$52.94 083805 H-17012 1 1/2" PLUGGING UNIT MODEL #1 \$82.05 083288 SHAFT TUBE ASSEMBLY H-17012 \$22.05 083805 H-17012 1 1/2" PLUGGING UNIT MODEL #1 \$82.05 083805 H-17012 1 1/2" PLUGGING UNIT MODEL #1 \$82.05 083805 H-17012 1 1/2" PLUGGING UNIT MODEL #1 \$82.05 083805 H-17012 1 1/2" PLUGGING UNIT MODEL #1 \$82.05 083805 H-17012 1 1/2" PLUGGING UNIT MODEL #1 \$82.05 083805 H-17012 1 1/2" PLUGGING UNIT MODEL #1 \$82.05 083805 H-17012 1 1/2" PLUGGING UNIT MODEL #1 \$82.05 083805 H-17012 1 1/2" PLUGGING UNIT MODEL #1 \$82.05 083805 H-17012 1 1/2" PLUGGING UNIT MODEL #1 \$82.05 083805 H-17012 1 1/2" PLUGGING UNIT MODEL #1 \$82.05 083805 H-17012 1 1/2" PLUGGING UNIT MODEL #1 \$82.05 083805 H-17012 1 1/2" PLUGGING UNIT MODEL #1 \$82.05 083805 H-17012 1 1/2" PLUGGING UNIT MODEL #1 \$82.05 083805 H-17012 1 1/2" PLUGGING UNIT MODEL #1 \$82.05 083805 H-17012 1 1/2" PLUGGING UNIT MODEL #1 \$82.05 083805 H-17012 1 1/2" PLUGGING UNIT MODEL #1 \$82.05 083805 H-17012 1 1/2" PLUGGING UNIT MODEL #1 \$82.05 083805 H-17012 1 1/2" PLUGGING UNIT MODEL #1 \$82.05 083805 H-17012 1 1/2" PLUGGING UNIT MODEL	050947	BLEEDER RING	\$31.35	053935	SHAFT FERRULE RETAINING NUT	\$0.79
051014 RETAINING RING \$15.81 078828 BLEEDER O-RING 051059 SHAFT TUBE WASHER \$5.41 079311 GROOVED PIN 051100 RUBBER PLUG 1" H-17010 \$14.63 079344 BOTTOM TUBE O-RING 051101 SHAFT NUT \$14.86 079351 BLEEDER O-RING 051106 SHAFT FERRULE \$51.16 079479 BLEEDER O-RING 051110 SHAFT TUBE WASHER \$5.41 079514 TOP SHAFT O-RING 051112 COLLAR \$17.54 083276 SHAFT CRANK ASSEMBLY \$ 051113 RUBBER PLUG 1 1/4" H-17010 \$14.16 083277 SHAFT CRANK ASSEMBLY \$ 051134 SHAFT NUT \$16.07 083278 SHAFT CRANK ASSEMBLY \$ 051155 SLEEVE (2 PER UNIT) \$37.97 083281 STUFFING BOX \$1 051169 SHAFT TUBE WASHER \$5.15 083282 STUFFING BOX \$1 0511243 RUBBER PLUG \$14.86 083792 SAFETY CLAMP USED W/H-17012 \$1.4 0512	050990	RETAINING RING	\$15.24	072239	BOTTOM TUBE O-RING	\$2.14
051059 SHAFT TUBE WASHER \$5.41 079311 GROOVED PIN 051100 RUBBER PLUG 1" H-17010 \$14.63 079344 BOTTOM TUBE O-RING 051101 SHAFT NUT \$14.86 079351 BLEEDER O-RING 051106 SHAFT FERRULE \$51.16 079479 BLEEDER O-RING 051110 SHAFT TUBE WASHER \$5.41 079514 TOP SHAFT O-RING 051112 COLLAR \$17.54 083276 SHAFT CRANK ASSEMBLY \$ 051113 RUBBER PLUG 1 1/4" H-17010 \$14.16 083277 SHAFT CRANK ASSEMBLY \$ 051134 SHAFT NUT \$16.07 083278 SHAFT CRANK ASSEMBLY \$ 051155 SLEEVE (2 PER UNIT) \$37.97 083281 STUFFING BOX \$1 051189 SHAFT TUBE WASHER \$5.15 083282 STUFFING BOX \$1 051243 RUBBER PLUG \$14.86 083792 SAFETY CLAMP USED W/H-17012 \$1,4 051249 SHAFT NUT \$12.99 083803 SHAFT TUBE ASSEMBLY H-17012 \$2 <td>051003</td> <td>BLEEDER RING</td> <td>\$49.33</td> <td>078818</td> <td>TOP SHAFT O-RING</td> <td>\$2.85</td>	051003	BLEEDER RING	\$49.33	078818	TOP SHAFT O-RING	\$2.85
051100 RUBBER PLUG 1" H-17010 \$14.63 079344 BOTTOM TUBE O-RING 051101 SHAFT NUT \$14.86 079351 BLEEDER O-RING 051106 SHAFT FERRULE \$51.16 079479 BLEEDER O-RING 051110 SHAFT TUBE WASHER \$5.41 079514 TOP SHAFT O-RING 051112 COLLAR \$17.54 083276 SHAFT CRANK ASSEMBLY \$ 051113 RUBBER PLUG 1 1/4" H-17010 \$14.16 083277 SHAFT CRANK ASSEMBLY \$ 051134 SHAFT NUT \$16.07 083278 SHAFT CRANK ASSEMBLY \$ 051155 SLEEVE (2 PER UNIT) \$37.97 083281 STUFFING BOX \$1 051159 SHAFT TUBE WASHER \$5.15 083282 STUFFING BOX \$1 051189 SHAFT FERRULE \$37.25 083283 STUFFING BOX \$1 051243 RUBBER PLUG \$14.86 083792 SAFETY CLAMP USED W/ H-17012 \$1,4 051249 SHAFT NUT \$12.99 083803 SHAFT TUBE ASSEMBLY H-17012 <	051014	RETAINING RING	\$15.81	078828	BLEEDER O-RING	\$3.26
051101 SHAFT NUT \$14.86 079351 BLEEDER O-RING 051106 SHAFT FERRULE \$51.16 079479 BLEEDER O-RING 051110 SHAFT TUBE WASHER \$5.41 079514 TOP SHAFT O-RING 051112 COLLAR \$17.54 083276 SHAFT CRANK ASSEMBLY \$ 051113 RUBBER PLUG 1 1/4" H-17010 \$14.16 083277 SHAFT CRANK ASSEMBLY \$ 051134 SHAFT NUT \$16.07 083278 SHAFT CRANK ASSEMBLY \$ 051155 SLEEVE (2 PER UNIT) \$37.97 083281 STUFFING BOX \$1 051159 SHAFT TUBE WASHER \$5.15 083282 STUFFING BOX \$1 051189 SHAFT FERRULE \$37.25 083283 STUFFING BOX \$1 051243 RUBBER PLUG \$14.86 083792 SAFETY CLAMP USED W/ H-17012 \$1.4 051249 SHAFT NUT \$12.99 083803 SHAFT TUBE ASSEMBLY H-17012 \$2 051288 SHAFT FERRULE \$52.94 083805 H-17012 1 1/2" PLUGGIN	051059	SHAFT TUBE WASHER	\$5.41	079311	GROOVED PIN	\$1.10
051106 SHAFT FERRULE \$51.16 079479 BLEEDER O-RING 051110 SHAFT TUBE WASHER \$5.41 079514 TOP SHAFT O-RING 051112 COLLAR \$17.54 083276 SHAFT CRANK ASSEMBLY \$ 051113 RUBBER PLUG 1 1/4" H-17010 \$14.16 083277 SHAFT CRANK ASSEMBLY \$ 051134 SHAFT NUT \$16.07 083278 SHAFT CRANK ASSEMBLY \$ 051155 SLEEVE (2 PER UNIT) \$37.97 083281 STUFFING BOX \$1 051159 SHAFT TUBE WASHER \$5.15 083282 STUFFING BOX \$1 051189 SHAFT FERRULE \$37.25 083283 STUFFING BOX \$1 051243 RUBBER PLUG \$14.86 083792 SAFETY CLAMP USED W/ H-17012 \$1.4 051249 SHAFT NUT \$12.99 083803 SHAFT TUBE ASSEMBLY H-17012 \$2 051288 SHAFT FERRULE \$52.94 083805 H-17012 1 1/2" PLUGGING UNIT MODEL #1 \$8	051100	RUBBER PLUG 1" H-17010	\$14.63	079344	BOTTOM TUBE O-RING	\$1.01
051110 SHAFT TUBE WASHER \$5.41 079514 TOP SHAFT O-RING 051112 COLLAR \$17.54 083276 SHAFT CRANK ASSEMBLY \$ 051113 RUBBER PLUG 1 1/4" H-17010 \$14.16 083277 SHAFT CRANK ASSEMBLY \$ 051134 SHAFT NUT \$16.07 083278 SHAFT CRANK ASSEMBLY \$ 051155 SLEEVE (2 PER UNIT) \$37.97 083281 STUFFING BOX \$1 051159 SHAFT TUBE WASHER \$5.15 083282 STUFFING BOX \$1 051189 SHAFT FERRULE \$37.25 083283 STUFFING BOX \$1 051243 RUBBER PLUG \$14.86 083792 SAFETY CLAMP USED W/ H-17012 \$1,4 051249 SHAFT NUT \$12.99 083803 SHAFT TUBE ASSEMBLY H-17012 \$2 051288 SHAFT FERRULE \$52.94 083805 H-17012 1 1/2" PLUGGING UNIT MODEL #1 \$8	051101	SHAFT NUT	\$14.86	079351	BLEEDER O-RING	\$2.24
051112 COLLAR \$17.54 083276 SHAFT CRANK ASSEMBLY \$ 051113 RUBBER PLUG 1 1/4" H-17010 \$14.16 083277 SHAFT CRANK ASSEMBLY \$ 051134 SHAFT NUT \$16.07 083278 SHAFT CRANK ASSEMBLY \$ 051155 SLEEVE (2 PER UNIT) \$37.97 083281 STUFFING BOX \$1 051159 SHAFT TUBE WASHER \$5.15 083282 STUFFING BOX \$1 051189 SHAFT FERRULE \$37.25 083283 STUFFING BOX \$1 051243 RUBBER PLUG \$14.86 083792 SAFETY CLAMP USED W/ H-17012 \$1,4 051249 SHAFT NUT \$12.99 083803 SHAFT TUBE ASSEMBLY H-17012 \$2 051288 SHAFT FERRULE \$52.94 083805 H-17012 1 1/2" PLUGGING UNIT MODEL #1 \$8	051106	SHAFT FERRULE	\$51.16	079479	BLEEDER O-RING	\$1.46
051113 RUBBER PLUG 1 1/4" H-17010 \$14.16 083277 SHAFT CRANK ASSEMBLY \$ 051134 SHAFT NUT \$16.07 083278 SHAFT CRANK ASSEMBLY \$ 051155 SLEEVE (2 PER UNIT) \$37.97 083281 STUFFING BOX \$1 051159 SHAFT TUBE WASHER \$5.15 083282 STUFFING BOX \$1 051189 SHAFT FERRULE \$37.25 083283 STUFFING BOX \$1 051243 RUBBER PLUG \$14.86 083792 SAFETY CLAMP USED W/ H-17012 \$1,4 051249 SHAFT NUT \$12.99 083803 SHAFT TUBE ASSEMBLY H-17012 \$2 051288 SHAFT FERRULE \$52.94 083805 H-17012 1 1/2" PLUGGING UNIT MODEL #1 \$8	051110	SHAFT TUBE WASHER	\$5.41	079514	TOP SHAFT O-RING	\$3.21
051134 SHAFT NUT \$16.07 083278 SHAFT CRANK ASSEMBLY \$ 051155 SLEEVE (2 PER UNIT) \$37.97 083281 STUFFING BOX \$1 051159 SHAFT TUBE WASHER \$5.15 083282 STUFFING BOX \$1 051189 SHAFT FERRULE \$37.25 083283 STUFFING BOX \$1 051243 RUBBER PLUG \$14.86 083792 SAFETY CLAMP USED W/ H-17012 \$1,4 051249 SHAFT NUT \$12.99 083803 SHAFT TUBE ASSEMBLY H-17012 \$2 051288 SHAFT FERRULE \$52.94 083805 H-17012 1 1/2" PLUGGING UNIT MODEL #1 \$8	051112	COLLAR	\$17.54	083276	SHAFT CRANK ASSEMBLY	\$70.35
051155 SLEEVE (2 PER UNIT) \$37.97 083281 STUFFING BOX \$1 051159 SHAFT TUBE WASHER \$5.15 083282 STUFFING BOX \$1 051189 SHAFT FERRULE \$37.25 083283 STUFFING BOX \$1 051243 RUBBER PLUG \$14.86 083792 SAFETY CLAMP USED W/ H-17012 \$1,4 051249 SHAFT NUT \$12.99 083803 SHAFT TUBE ASSEMBLY H-17012 \$2 051288 SHAFT FERRULE \$52.94 083805 H-17012 1 1/2" PLUGGING UNIT MODEL #1 \$8	051113	RUBBER PLUG 1 1/4" H-17010	\$14.16	083277	SHAFT CRANK ASSEMBLY	\$76.44
051159 SHAFT TUBE WASHER \$5.15 083282 STUFFING BOX \$1 051189 SHAFT FERRULE \$37.25 083283 STUFFING BOX \$1 051243 RUBBER PLUG \$14.86 083792 SAFETY CLAMP USED W/ H-17012 \$1,4 051249 SHAFT NUT \$12.99 083803 SHAFT TUBE ASSEMBLY H-17012 \$2 051288 SHAFT FERRULE \$52.94 083805 H-17012 1 1/2" PLUGGING UNIT MODEL #1 \$8	051134	SHAFT NUT	\$16.07	083278	SHAFT CRANK ASSEMBLY	\$79.12
051189 SHAFT FERRULE \$37.25 083283 STUFFING BOX \$1 051243 RUBBER PLUG \$14.86 083792 SAFETY CLAMP USED W/ H-17012 \$1,4 051249 SHAFT NUT \$12.99 083803 SHAFT TUBE ASSEMBLY H-17012 \$2 051288 SHAFT FERRULE \$52.94 083805 H-17012 1 1/2" PLUGGING UNIT MODEL #1 \$8	051155	SLEEVE (2 PER UNIT)	\$37.97	083281	STUFFING BOX	\$113.34
051243 RUBBER PLUG \$14.86 083792 SAFETY CLAMP USED W/ H-17012 \$1,4 051249 SHAFT NUT \$12.99 083803 SHAFT TUBE ASSEMBLY H-17012 \$2 051288 SHAFT FERRULE \$52.94 083805 H-17012 1 1/2" PLUGGING UNIT MODEL #1 \$8	051159	SHAFT TUBE WASHER	\$ 5.15	083282	STUFFING BOX	\$141.08
051249 SHAFT NUT \$12.99 083803 SHAFT TUBE ASSEMBLY H-17012 \$2 051288 SHAFT FERRULE \$52.94 083805 H-17012 1 1/2" PLUGGING UNIT MODEL #1 \$8	051189	SHAFT FERRULE	\$37.25	083283	STUFFING BOX	\$138.60
051288 SHAFT FERRULE \$52.94 083805 H-17012 1 1/2" PLUGGING UNIT MODEL #1 \$8	051243	RUBBER PLUG	\$14.86	083792	SAFETY CLAMP USED W/ H-17012	\$1,446.13
	051249	SHAFT NUT	\$12.99	083803	SHAFT TUBE ASSEMBLY H-17012	\$282.83
OUAST SERVICE DETAINING AUST 147047 AGG COCCOO GUAST ORANIZ AGGENTALY	051288	SHAFT FERRULE	\$52.94	083805	H-17012 1 1/2" PLUGGING UNIT MODEL #1	\$893.52
U52969 SMAFT FERRULE RETAINING NUT H-17017 \$10.38 083806 SHAFT CRANK ASSEMBLY \$1	052969	SHAFT FERRULE RETAINING NUT H-17017	\$10.38	083806	SHAFT CRANK ASSEMBLY	\$180.84

PART NUMBER	DESCRIPTION	LIST PRICE	PART Number	DESCRIPTION	LIST PRICE
083807	STUFFING BOX	\$221.54	501139	RUBBER PLUG 1" H-17013	\$29.46
083808	SHAFT ASSEMBLY	\$111.04	501140	RUBBER PLUG 1 1/4" H-17013	\$56.54
083815	SHAFT ASSEMBLY H-17017	\$103.69	501177	BLEEDER RING	\$111.92
083865	3/4" NO-BLO STOP CHANGER SHAFT 29" LONG	\$594.17	501179	SHAFT FERRULE H-17012	\$114.05
083866	COMPLETE 1" PLUGGING UNIT FOR SCH 40 PIPE - 29" LONG	\$696.62	501180	SHAFT NUT	\$15.50
083868	SHAFT TUBE SUBASSEMBLY	\$250.25	501181	SHAFT CRANK ASSEMBLY	\$112.04
083870	SHAFT SUBASSEMBLY	\$115.25	501182	SHAFT TUBE WASHER	\$6.90
083928	H-17012 2" PLUGGING UNIT MODEL #2	\$992.69	501183	RUBBER PLUG H-17012	\$51.39
083941	SHAFT ASSEMBLY	\$104.34	501204	RETAINING RING	\$10.63
083942	SHAFT TUBE ASSEMBLY H-17012	\$294.75	501205	BLEEDER O-RING	\$3.08
083943	STUFFING BOX	\$356.24	501280	SPACER	\$12.00
083962	H-17010 3/4" PLUGGING UNIT MODEL #2	\$494.51	502044	RUBBER PLUG H-17014	\$71.64
083963	H-17010 1" PLUGGING UNIT MODEL #2	\$551.87	502045	SHAFT FERRULE H-17014	\$159.06
083964	H-17010 1 1/4" PLUGGING UNIT MODEL #2	\$663.32	502414	RUBBER PLUG H-17014	\$63.21
083965	SHAFT ASSEMBLY	\$96.97	502415	SHAFT FERRULE H-17014	\$753.34
083966	SHAFT TUBE ASSEMBLY	\$210.63	502468	SAFETY CLAMP BAR SUBASSEMBLY	\$101.25
083967	SHAFT ASSEMBLY	\$105.70	502607	SHAFT TUBE WASHER	\$1.46
083975	SAFTY CLAMP	\$1,122.68	502609	SHAFT NUT	\$13.79
083976	CLAMP ARM SUBASSEMBLY (2 PER UNIT)	\$337.28	503465	SHAFT FERRULE H-17017	\$23.52
083977	PIPE CLAMP SUBASSEMBLY	\$414.73	503466	RUBBER PLUG H-17017	\$57.09
089259	SHAFT TUBE ASSEMBLY H-17017	\$343.30	503726	TUBE O-RING	\$0.43
500560	SHAFT FERRULE H-17012	\$61.20	509665	SHAFT FERRULE RETAINING NUT H-17016	\$10.88
500561	RUBBER PLUG H-17012	\$48.92	509714	SHAFT FERRULE H-17016	\$30.29
500567	RETAINING RING		509757	SHAFT NUT H-17016	\$16.62
500568	BLEEDER RING	\$62.57	509786	RUBBER PLUG H-17016	\$49.00
501136	SHAFT FERRULE	\$55.66	580391	SHAFT ASSEMBLY	\$91.46



PART NUMBER	DESCRIPTION	LIST PRICE	PART NUMBER	DESCRIPTION	LIST PRICE
580392	SHAFT TUBE ASSEMBLY	\$275.67	681301	SHAFT TUBE ASSEMBLY H-17016	\$236.57
580530	H-17013 1" PLUGGING UNIT MODEL #2	\$644.44	681427	COMPLETE 3/4" PLUGGING UNIT FOR SCH 40 PIPE - 36" LONG	\$543.32
580531	H-17013 1 1/4" PLUGGING UNIT MODEL #2	\$672.28	681428	SHAFT TUBE SUBASSEMBLY	\$213.98
580615	SHAFT TUBE SUBASSEMBLY	\$198.54	681429	36" SHAFT	\$122.63
580616	SHAFT SUBASSEMBLY	\$97.48	681430	COMPLETE 1-1/4" PLUGGING UNIT FOR SCH 40 PIPE - 36" LONG	\$730.94
580617	COMPLETE 3/4" PLUGGING UNIT FOR SCH 40 PIPE - 24" LONG	\$627.36	681431	COMPLETE 2" PLUGGING UNIT FOR SCH 40 PIPE - 36" LONG	\$860.83
580618	COMPLETE 1" PLUGGING UNIT FOR SCH 40 PIPE - 24" LONG	\$603.77	681432	SHAFT TUBE SUBASSEMBLY	\$351.09
580619	SHAFT SUBASSEMBLY	\$124.32	681433	SHAFT SUBASSEMBLY	\$149.26
580620	SHAFT TUBE SUBASSEMBLY	\$120.57	H-17010	3/4", 1", 1 1/4" VALVE CHANGER FOR SCHEDULE 40 STEEL PIPE	\$2,671.78
580621	COMPLETE 1-1/4" PLUGGING UNIT FOR SCH 40 PIPE - 24" LONG	\$700.42	H-17012	1 1/2", 2" VALVE CHANGER SCHEDULE 40 STEEL PIPE	\$3,332.36
580622	SHAFT TUBE SUBASSEMBLY	\$225.45	H-17013	3/4", 1", 1 1/4" VALVE CHANGER FOR SCHEDULE 80 STEEL PIPE	\$2,806.82
580623	SHAFT SUBASSEMBLY	\$52.57	H-17014	1 1/2", 2" VALVE CHANGER FOR SCHEDULE 80 STEEL PIPE	\$3,450.60
580630	H-17014 1 1/2" PLUGGING UNIT MODEL #1		H-17016	1" VALVE CHANGER FOR 1/2" CTS PE RISERS	\$564.03
580631	SHAFT TUBE ASSEMBLY H-17014		H-17016	3/4" VALVE CHANGER FOR 1/2" CTS PE RISERS	\$564.03
580749	SHAFT TUBE ASSEMBLY H-17014	\$483.86	H-17017	3/4" SHUR STOP VALVE CHANGER FOR 1/2" SCHEDULE 40 STEEL PIPE	\$1,899.50
580750	H-17014 2" PLUGGING UNIT MODEL #2	\$1,151.98			
580751	COMPLETE EXTENDED LENGTH SAFETY CLAMP FOR 3/4"-1 1/4" CHANGERS	\$1,035.83			
580788	COMPLETE 1" PLUGGING UNIT FOR SCH 40 PIPE - 36" LONG	\$888.79			
580789	SHAFT TUBE SUBASSEMBLY	\$313.10			
580790	36" SHAFT	\$156.84			
580791	36" SHAFT 1 1/4" PLUGGING UNIT	\$760.35			
580792	SHAFT TUBE SUBASSEMBLEY	\$269.97			
580793	36" SHAFT	\$124.60			
681181	STUFFING BOX	\$145.76			
681183	STUFFING BOX	\$191.01			
681300	SHAFT ASSEMBLY H-17016	\$92.41			







PARTS, TOOLS AND ACCESSORIES

PART NUMBER	DESCRIPTION	LIST PRICE	PART NUMBER	DESCRIPTION	LIST PRICE
010802	POWER CLEVIS FOR B-101 MACHINE	\$410.82	033476	PLATE	\$85.89
017615	CENTER PUNCH	\$208.44	033477	WHEEL	\$208.09
033080	GASKET	\$3.95	033478	RATCHET DOG	\$19.98
033083	SPRING	\$20.32	033481	PLUG	\$8.76
033084	SHIELD	\$32.79	033482	BUTTON	\$14.36
033087	SPACER	\$333.73	033484	HANDLE	\$93.10
033089	RETAINER	\$114.30	033485	COLLAR	\$29.77
033090	WASHER	\$27.04	033497	HANDLE	\$81.94
033107	HUB	\$430.22	033498	YOKE	\$284.10
033243	CUTTER 10 13/16" FOR STEEL PIPE	\$3,484.22	033499	WASHER	\$35.28
033244	CUTTER 9 1/2" FOR STEEL PIPE	\$2,957.55	033500	COLLAR	\$24.11
033250	HUB	\$441.43	033501	CARRIER	\$182.87
033278	GASKET	\$1.49	033503	WASHER	\$20.96
033314	DRILL HOLDER - 15 1/2" LONG - D-5 MACHINE	\$157.21	033504	SCREW	\$329.86
033316	DRILL HOLDER - 15 1/2" LONG - D-5 MACHINE	\$174.14	033505	GLAND	\$100.35
033320	BOLT	\$8.77	033506	PACKING	\$22.88
033387	STEEL SHUT OFF TOOL FOR SERVICE TEES WITH 1/8" TO 5/8" DIA	\$131.81	033508	WASHER	\$5.39
033390	HOLES WHEEL	\$39.52	033509	SCREW	\$5.83
033395	FORK	\$49.33	033510	SCREW	\$22.53
033396	NUT	\$4.28	033511	GASKET	\$17.26
033404	FEED NUT	\$190.14	033516	DRILL - 1 1/2" DIAMETER X 3 7/32" LONG - N MACHINE	\$364.78
033475	BODY	\$161.26	033518	SHELL CUTTER	\$469.91

FOR ITEMS NOT LISTED OR WITH A ZERO PRICE PLEASE CALL MUELLER GAS CUSTOMER SERVICE AT 1-800-798-3131.
PRICES EFFECTIVE JANUARY 29, 2011

PART NUMBER	DESCRIPTION	LIST PRICE	PART NUMBER	DESCRIPTION	LIST PRICE
33519	SHELL CUTTER	\$582.83	033641	PILOT DRILL - 5 1/8" LONG	\$223.67
33529	DRILL - 1" DIA X 4 3/8" LONG - D-5 MACHINE	\$203.70	033652	TAP - R MACHINE 2 1/2" STD IP THREAD	\$860.57
033530	DRILL 1 1/16" DIAMETER X 4 3/8" LONG - D-5 MACHINE	\$213.92	033653	SHELL CUTTER	\$497.28
033531	DRILL - 1 1/8" DIA X 4 3/8" LONG - D-5 MACHINE	\$207.41	033654	TAP - R MACHINE 3" STD IP THREAD	\$1,467.66
033532	DRILL - 1 3/6" DIA X 4 3/8" LONG - D-5 MACHINE	\$241.61	033655	SHELL CUTTER & TAP	\$548.66
033533	DRILL - 1 1/4" DIA X 4 1/4" LONG - D-5 MACHINE	\$214.58	033656	DRILL	\$280.15
033534	DRILL - 1 5/16" DIA X 4 1/2" LONG - D-5 MACHINE	\$285.92	033657	SHANK	\$519.29
033535	DRILL - 1 3/8" DIA X 4 1/4" LONG - DH- 5 MACHINE	\$268.35	033660	NUT	\$16.07
033536	DRILL - 1 7/16" DIA X 4 1/2" LONG - D-5 MACHINE	\$213.18	033661	TAP - R MACHINE 4" STD IP THREAD	\$1,593.46
033537	DRILL - 1 1/2" DIA X 4 1/2" LONG - D-5 MACHINE	\$206.44	033662	SHELL CUTTER	\$1,018.14
033538	DRILL - 1 5/8" DIA X 4 5/8" LONG - D-5 MACHINE	\$336.13	033753	SHANK - 2 1/2" COMBINED SHELL CUTTER & TAP - R MACHINE	\$560.90
033539	DRILL - 1 3/4" DIA X 4 5/8" LONG - D-5 MACHINE	\$346.96	033755	SCREW - PILOT DRILL AND TOOL RETAINING SCREW 1.625" LONG	\$13.60
033540	DRILL - 1 7/8" DIA X 4 5/8" LONG - D-5 MACHINE	\$242.93	033756	SHANK	\$614.05
033541	DRILL - 2" DIA X 4 5/8" LONG - D-5 MACHINE	\$374.98	033758	INSERTING TOOL - R MACHINE	\$477.18
033542	DRILL - 2 1/8" DIA X 4 5/8" LONG - D-5 MACHINE	\$500.88	033759	INSERTING TOOL - R MACHINE	\$443.08
033554	DRILL HOLDER - 17 1/2" LONG - D-5 MACHINE	\$308.54	033839	SADDLE 16" STEEL PIPE - R MACHINE	\$806.89
033555	DRILL HOLDER - 15 1/2" LONG - D-5 MACHINE	\$198.25	033840	SADDLE 20" CAST IRON PIPE - R MACHINE	\$677.41
033556	MACHINE ADAPTER - D5 MACHINE X 3/4" OUTSIDE IP THREAD X 5" LONG	\$172.61	033841	SADDLE 24" CAST IRON PIPE - R MACHINE	\$806.89
033563	DRILL - 1/2" DIAMETER X 2 1/4" LONG - F-1 MACHINE	\$117.84	033923	DRIVE TUBE	\$2,006.71
033569	SCREW PLUG FOR 1" PLUGS	\$107.95	033924	FEED SCREW	\$423.18
033570	SHUT OFF TOOL - 1" DIA HOLES - 9 3/4" LONG	\$157.59	033976	PILOT DRILL - 4 1/2" LONG -	\$170.60
033571	NUT	\$3.75	033996	HUB	\$374.58
033572	EXTRACTING FORK - 1/2, 3/4, & 1" PLUGS	\$54.19	033999	SHELL CUTTER	\$1,440.48
033575	MACHINE ADAPTER - E5 MACHINE X 1 1/2" OUTSIDE IP THREAD X 2 3/8" LONG	\$76.97	034060	COMPLETION PLUG - 3/4" IP THREAD FOR 1" SERVICE TEES	\$3.64
033599	INSERTING TOOL - 1/2, 3/4 & 1" PLUGS	\$166.75	034061	COMPLETION CAP-USE 330H17519	\$7.71
033600	SHUT-OFF TOOL - TAPERED 1" DIA HOLES	\$209.59	034120	COMPLETION PLUG - 1/2" IP THREAD FOR OLD STYLE SERVICE TEES	\$5.02

PART NUMBER	DESCRIPTION	LIST PRICE	PART NUMBER	DESCRIPTION	LIST PRICE
)34122	COMPLETION PLUG - 1" IP THREAD FOR 1 1/4" SERVICE TEE	\$8.36	036300	RUBBER PLUG	\$77.58
35994	SPRING	\$35.72	036304	FORK - EXTRACTING TOOL	\$137.78
036004	SHELL CUTTER	\$927.02	036305	INSERTING TOOL - UNIT #1 STOPPING MACHINE FOR 1 1/2 & 2"	\$96.80
036005	PILOT DRILL - 7 5/8" LONG	\$231.72	036310	COMPLETION CAP	\$8.75
036171	MACHINE SCREW	\$2.10	036312	COMPLETION CAP	\$26.87
036188	MACHINE ADAPTER - D-5 MACHINE X 2" OUTSIDE IP THR X 5" LONG	\$128.35	036323	MACHINE ADAPTER - D-5 MACH X 1" OUTSIDE IP THR X 5" LONG	\$139.30
036189	SHUT-OFF TOOL - TAPERED 1 1/2" TO 1 -5/8" HOLES - 19 1/4" LONG	\$249.59	036324	ADAPTER - E5 MACH DRILLS TO D-5 MACH X 9 75" OVERALL LENGTH	\$129.80
036190	INSERTING TOOL - 1 1/2" PLUGS - 11 5/8" LONG	\$177.86	036330	HEX CASTLE NUT	\$5.41
036191	HEX NUT - EXTRACTING TOOL LOCK NUT	\$4.86	036336	PILOT DRILL - 6 1/16" LONG	\$1 51.65
036195	MACHINE ADAPTER - D-5 MACH X 1 1/4" OUTSIDE IP THR X 5" LONG	\$138.99	036337	SHELL CUTTER	\$4 13.16
036196	MACHINE ADAPTER - D-5 MACH X 1 1/2" OUTSIDE IP THR X 5" LONG	\$139.83	036338	PILOT DRILL - 10 1/8" LONG	\$362.30
036197	SHUT-OFF TOOL - TAPERED FOR 3/4" DIA HOLES - 9 3/4" LONG	\$136.12	036343	MACHINE ADAPTER - UNIT #2 H-17235 LINE STOPPING MACHINE	\$1,749.12
036198	TOOL ADAPTER - ADAPTS E-5 EXTRACTING TOOLS TO D-5	\$191.30	036347	COUPLER SLEEVE - UNIT #1 STOPPING MACHINE	\$45.21
036275	BODY - UNIT #1 LINE STOPPER EQUIPMENT H-17135	\$154.11	036356	COMPLETION PLUG	\$9.74
036281	ADAPTER - H-17135 STOPPING MACHINE X 2 1/2" OUTSIDE IP THR	\$102.70	036359	INDICATOR DETENT KNOB - CC MACHINE	\$4.82
036283	RUBBER PLUG	\$76.43	036360	BODY - INDICATOR DETENT - CC MACHINE	\$9.79
036286	HANDLE - UNIT #1 LINE STOPPING MACHINE - H-17135	\$47.80	036361	PLUNGER - INDICATOR DETENT - CC MACHINE	\$5.41
036287	INSERTING BAR - UNIT #1 LINE STOPPING MACHINE	\$433.86	036362	SPRING - INDICATOR DETENT - CC MACHINE	\$19.67
036289	MACHINE ADAPTER - D-5 MCH X 2 1/2" OUTSIDE IP THR X 6 1/16" LONG	\$138.40	036370	MACHINE ADAPTER - H-17135 STOPPING MACHINE X 3" OUTSIDE IP THREAD X 3 11/16" LONG	\$117.35
036290	RUBBER PLUG	\$62.18	036372	RUBBER PLUG	\$248.15
036291	MANDREL - 2 3/16" DIA RUBBER STOPPER FOR H-17135	\$24.35	036374	SHELL CUTTER	\$528.21
036292	CONNECTOR CAP - 1 1/2 & 2" BY- PASS RUBBER STOPPERS	\$53.32	036376	MACHINE ADAPTER - D5 MACHINE X 3" OUTSIDE IP THREAD X 6 1/16" LONG	\$155.03
036294	COLLAR - INSERTING BAR ON UNIT #1 LINE STOPPING MACHINE	\$33.61	036377	GASKET - 4" LINE STOPPER FITTING CAP GASKET	\$7.37
036296	HEX CASTLE NUT	\$5.83	036379	MACHINE ADAPTER	\$101.22
036297	GASKET - USED WITH UNIT #1 LINE STOPPING MACHINE ADAPTER H- 17135	\$2.07	036400	ADAPTER - D5 MACHINE X 2" OUTSIDE IP THREAD X 2 1/4" LONG	\$69.68
036298	RUBBER PLUG	\$62.18	036404	COMPLETION PLUG WRENCH	\$79.95

PART NUMBER	DESCRIPTION	LIST PRICE	PART NUMBER	DESCRIPTION	LIST PRICE
036423	INSERTING BAR - UNIT #2 STOPPING MACHINE - H-17235	\$636.85	036525	MACHINE ADAPTER - D5 MACHINE X 2" INSIDE IP THREAD X 5" LONG	\$272.54
036424	COMPLETION PLUG WRENCH	\$178.01	036526	MACHINE ADAPTER - D5 MACHINE X 2 1/2" INSIDE IP THREAD X 5" LONG	\$269.66
036432	COUPLER SLEEVE - UNIT #2 STOPPING MACHINE	\$99.70	036532	CONNECTOR CAP - 8" BY-PASS RUBBER STOPPER	\$618.14
036433	THRUST COLLAR - UNIT #2 & #3 STOPPING MACHINES	\$25.22	036538	BONNET GASKET - 9" GATE VALVE	\$4.59
036434	TRUST BEARING RETAINING COLLAR - UNIT#2 & #3 STOPPING MACHINES	\$40.98	036539	GASKET - 9" GATE VALVE STUFFING BOX GASKET	\$3.26
036436	BEARING	\$23.59	036541	STEM - 9" GATE VALVE	\$141.98
036437	HANDLE - UNIT #2 & #3 STOPPING MACHINES	\$57.23	036545	MACHINE ADAPTER - H-17335 STOPPING MACHINE X 13 5/8" LONG	\$2,656.88
036438	CONNECTOR CAP - 3" BY-BASS RUBBER STOPPER	\$91.22	036548	SHELL CUTTER	\$1,130.50
036439	RUBBER PLUG	\$114.05	036551	RETAINER CAP - 6 1/8" RUBBER STOPPER	\$163.62
036443	RUBBER PLUG	\$113.21	036552	CONNECTOR CAP - 6 1/8" RUBBER STOPPER	\$578.28
036444	FEED YOLK RETAINING PIN - UNIT #1 STOPPING MACHINE	\$28.16	036560	RETAINER	\$225.86
036446	T-HEAD BOLT	\$8.74	036572	PILOT DRILL - 12" LONG	\$547.56
036449	BONNET GASKET - 5" GATE VALVE	\$13.84	036579	SEAT WASHER - 5" GATE VALVE	\$9.79
036453	GASKET - 5" GATE VALVE PACKING NUT GASKET	\$6.96	036581	SEAT WASHER - 9" GATE VALVE	\$43.43
036456	STEM - 5" GATE VALVE	\$315.33	036590	COMPLETION CAP - 3" CLASS 150 LINE STOPPER FITTING	\$45.14
036461	VALVE ADAPTER - 5" GATE VALVE TO 3" LINE STOPPER	\$823.46	036592	COMPLETION CAP - 4" CLASS 150 LINE STOPPER FITTING	\$77.49
036463	SHELL CUTTER	\$1,012.36	036609	COMPLETION CAP - 6" CLASS 150 LINE STOPPER FITTING	\$88.12
036464	PILOT DRILL - 6 3/4" LONG	\$225.47	036616	RETAINING RING	\$148.66
036466	CONNECTOR CAP - 4" BY-PASS RUBBER STOPPER	\$98.99	036623	GASKET	\$1.69
036467	RUBBER PLUG	\$230.61	036625	COMPLETION CAP - 8" CALSS 150 LINE STOPPER FITTING	\$145.90
036468	RETAINING CAP - 4" RUBBER STOPPER	\$47.80	036677	BAR HEAD - H-17345 LINE STOPPING MACHINE	\$149 .17
036469	MANDREL - 4" RUBBER STOPPER	\$117.15	036678	FRICTION COLLAR - UNIT #3 LINE STOPPING MACHINE	\$48.94
036471	4 1/8" RUBBER PLUG	\$230.61	036679	BODY - H-17345 STOPPING MACHINE	\$1,242.54
036472	SHELL CUTTER	\$916.93	036721	MANDREL - 6" & 8" RUBBER STOPPERS	\$62.96
036483	BEARING COLLAR - H-17235	\$14.26	036722	COUPLER SLEEVE - H-17335 LINE STOPPING MACHINE	\$96.54
036521	SHELL CUTTER	\$1,738.43	036725	GASKET	\$11.93

PART NUMBER	DESCRIPTION	LIST PRICE	PART NUMBER	DESCRIPTION	LIST PRICE
36726	PLUG -8" RUBBER STOPPER BOTTOM CAP PLUG	\$92.22	036992	SLEEVE	\$278.05
036727	GASKET	\$2.10	036998	DRILL HOLDER - 15 1/2" LONG - D-5 MACHINE	\$207.11
036730	HEX BUSHING	\$72.36	037030	DRILL & HOLDER6875" DIA X 10" LONG - E-5 MACHINE	\$222.04
036731	T-HEAD BOLT	\$7.97	037032	DRILL HOLDER - 15 1/2" LONG - D-5 MACHINE	\$189.20
036732	HEX BUSHING	\$78.50	037149	VALVE ADAPTER	\$939.30
036733	MACHINE ADAPTER - E5 MACHINE X 1 1/4" OUTSIDE IP THREAD X 2 3/8" LONG	\$63.56	037153	VALVE ADAPTER	\$1,037.89
036758	BODY - D5 MACHINE	\$554.65	037187	ADAPTER - H-17135 X 2 1/2" OUTSIDE IP THREAD X 5" LONG	\$153.52
036811	TEST CAP	\$21.19	037197	ADAPTER - SCREW PLUG ADAPTER	\$203.12
036812	TEST CAP	\$26.68	037202	RUBBER PLUG	\$591.21
036813	TEST CAP	\$31.44	037208	RUBBER PLUG	\$802.08
036910	MACHINE ADAPTER - D5 MACHINE X 3/4" INSIDE IP THREAD X 5" LONG	\$125.95	037282	COMBINED DRILL & TAP - J MACHINE	\$253.35
036911	MACHINE ADAPTER - D5 MACHINE X 1" INSIDE IP THREAD X 5" LONG	\$125.95	037347	COMBINED DRILL & TAP - L MACHINE	\$445.04
036912	MACHINE ADAPTER - D5 MACHINE X 1 1/4" INSIDE IP THREAD X 5" LONG	\$125.95	037353	SHELL CUTTER	\$364.98
036913	MACHINE ADAPTER - D5 MACHINE X 1 1/2" INSIDE IP THREAD X 5" LONG	\$125.95	037354	SHELL CUTTER	\$272.08
036915	DRILL HOLDER - 15 1/2" LONG - D-5 MACHINE	\$181.25	037355	SHELL CUTTER	\$442.93
036917	MACHINE ADAPTER - E5 MACHINE X 1" INSIDE IP THREAD X 2 3/8" LONG	\$61.82	037356	PILOT DRILL	\$193.45
036918	MACHINE ADAPTER - E5 MACHINE X 1" OUTSIDE IP THREAD X 2.375" LONG	\$61.82	037364	COMBINED DRILL & TAP - G MACHINE	\$485.74
036919	MACHINE ADAPTER - E5 MACHINE	\$61.82	037378	COMBINED DRILL & TAP - L MACHINE	\$600.16
036920	MACHINE ADAPTER - E5 MACHINE X 3/4" OUTSIDE IP THREAD X 2.375" LONG	\$68.33	037379	COMBINED DRILL & TAP - L MACHINE	\$748.20
036928	MACHINE ADAPTER - E5 MACHINE X 1 1/4" OUTSIDE IP THREAD X 2 3/8" LONG	\$61.82	037380	COMBINED DRILL & TAP - L MACHINE	\$905.27
036958	DRILL & TAP - G MACHINE	\$301.29	037382	COMBINED DRILL & TAP - G MACHINE	\$583.04
036966	MACHINE ADAPTER - E5 MACHINE X 1/2" INSIDE IP THREAD X 2 3/8" LONG	\$61.82	037383	COMBINED DRILL & TAP - G MACHINE	\$645.67
036967	MACHINE ADAPTER - E5 MACHINE X 1/2" OUTSIDE IP THREAD X 2.375" LONG	\$68.33	037394	CDXT 1" IP - J MACHINE CI PIPE	\$321.72
036969	HEX BUSHING	\$74.17	037454	RUBBER PLUG	\$16.08
036975	MACHINE ADAPTER - D5 MACHINE X 2 1/2" OUTSIDE IP THREAD X 5" LONG	\$235.64	037459	RUBBER PLUG	\$39.06
036991	SPACER	\$232.02	037462	MANDREL	\$5.47

PART NUMBER	DESCRIPTION	LIST PRICE	PART NUMBER	DESCRIPTION	LIST PRICE
37485	CDXT 3/4" IP ~J MACHINE CI PIPE	\$253.12	037830	BOTTOM END GASKET	\$20.57
37507	COMBINED DRILL & TAP - H MACHINE	\$608.98	037863	RACHET HANDLE KNOB - E5 MACHINE	\$14.51
037540	COMBINED DRILL & TAP - H MACHINE	\$384.93	037883	RACHET HANDLE SPRING	\$3.08
037541	COMBINED DRILL & TAP - H MACHINE	\$426.74	037896	PILOT DRILL - 3 5/16" LONG	\$154.13
037555	RUBBER PLUG	\$36.75	037961	HANDLE - UNIT #3 LINE STOPPING MACHINE	\$42.14
037622	MACHINE ADAPTER - E5 MACHINE X 1 1/4" OUTSIDE IP THREAD X 3 3/8"	\$99.17	037963	RETAINING CAP	\$229.99
037629	RUBBER PLUG	\$16.08	039260	C1-36 MACHINE	\$19,836.84
037655	SIDE GASKET - 2" MECHANICAL JOINT FITTING - H- 17165	\$3.77	039305	D-5 MACHINE	\$1,745.63
037657	GROMMET	\$1.46	039306	D-5 MACHINE LESS EQUIPMENT	\$1,103.66
037658	TOP END GASKET	\$17.51	039315	DH-5 MACHINE	\$4,869.21
037691	SHELL CUTTER	\$555.58	039330	E-5 MACHINE	\$1,381.57
037692	PILOT DRILL - 4 1/16" LONG	\$156.65	039332	E-5 MACHINE LESS EQUIPMENT	\$1,138.14
037695	PILOT DRILL - L MACHINE	\$173.72	039341	EH-5 MACHINE	\$3,193.66
037710	COMBINED DRILL & TAP - H MACHINE	\$688.26	039352	F-1 MACHINE	\$576.68
037711	COMBINED DRILL & TAP - H MACHINE	\$907.66	040004	RATCHET DOG	\$27.30
037801	PILOT DRILL - 4 7/32" LONG	\$168.06	040006	RATCHET HANDLE SPRING	\$6.90
037802	MACHINE SCREW	\$10.38	040007	SPRING	\$4.34
037804	MACHINE SCREW	\$1.47	040013	MACHINE SCREW	\$1.47
037809	SIDE GASKET	\$5.09	040015	BORING BAR DRIFT PIN - B-MACHINE	\$15.20
037811	TOP END GASKET	\$11.47	040020	CAP HANDLE - B-MACHINE	\$21.46
037812	BOTTOM END GASKET	\$11.47	040021	LEATHER GASKET	\$7.02
037820	SIDE GASKET	\$4.45	040023	MACHINE SCREW	\$1.47
037822	TOP END GASKET	\$20.32	040024	CHAIN YOKE - B-MACHINE	\$57.39
037823	BOTTOM END GASKET	\$20.32	040026	HEX NUT	\$11.52
037827	SIDE GASKET	\$4.45	040027	WASHER - CHAIN HOOK B-MACHINE	\$4.42
037829	TOP END GASKET	\$20.57	040028	WRENCH - A-3 MACHINE CHAIN HOOK NUT	\$20.08

PART NUMBER	DESCRIPTION	LIST PRICE	PART NUMBER	DESCRIPTION	LIST PRICE
040029	BODY - B-MACHINE	\$550.02	040193	PACKING NUT - A-3 MACHINE GATE STEM	\$31.87
040031	VALVE BODY STEM PACKING NUT - B- MACHINE	\$17.28	040194	VALVE STEM - A-3 MACHINE	\$92.22
040032	VALVE STEM - B-MACHINE	\$48.42	040195	GATE ARM - A-3 MACHINE	\$66.21
040033	GATE ARM - B-MACHINE	\$35.54	040196	FLOP VALVE GATE - A-2 MACHINE	\$59.27
040034	GATE - B-MACHINE	\$31.25	040197	BRASS GATE WASHER - A-3 MACHINE	\$34.99
040035	GATE WASHER - B-MACHINE	\$10.37	040198	SEAT WASHER - A-2 MACHINE	\$19.98
040036	SEAT WASHER - B-MACHINE	\$10.11	040200	MACHINE SCREW	\$6.90
040037	LEATHER GASKET	\$1.86	040202	MACHINE SCREW	\$10.29
040043	HANDLE KNOB - A-3 MACHINE BY- PASS VALVE	\$42.43	040203	GATE SCREW WASHER - A-3 MACHINE	\$2.95
040044	MACHINE SCREW	\$1.47	040205	BODY CLEANING CHISEL	\$143.05
040045	STEM	\$91.70	040211	HEX NUT	\$11.52
040047	MACHINE SCREW	\$1.47	040212	CHAIN HOOK WASHER - A-3 MACHINE	\$12.66
040048	SEAT NUT	\$11.51	040213	CHAIN YOKE - A-2 MACHINE	\$133.69
040049	SEAT WASHER	\$3.45	040229	SADDLE GASKET	\$20.01
040050	BODY CLEANING CHISEL	\$69.84	040230	SADDLE GASKET	\$51.16
040066	SADDLE GASKET	\$8.41	040236	SADDLE - 12" CAST IRON PIPE - A3 MACHINE	\$80.33
040067	SADDLE GASKET	\$33.10	040238	SADDLE 16" CAST IRON PIPE - A3 MACHINE	\$80.33
040070	SADDLE - 4" CAST IRON PIPE - B MACHINE	\$45.07	040240	SADDLE - 20" CAST IRON PIPE - A3 MACHINE	\$80.33
040072	SADDLE - 6" CAST IRON PIPE - B MACHINE	\$45.07	040241	SADDLE - 24" CAST IRON PIPE - A3 MACHIINE	\$80.33
040073	SADDLE - 8" CAST IRON PIPE - B MACHINE	\$45.07	040310	CHAIN STRAP BASE - H MACHINE	\$84.74
040074	SADDLE 10" CAST IRON PIPE - B MACHINE	\$45.07	040311	CHAIN STRAP - H MACHINE	\$34.26
040137	RATCHET WHEEL	\$59.27	040316	DOUBLE END BOX WRENCH - L MACHINE	\$22.88
040138	HEX SOCKET SHOULDER SCREW	\$8.41	040318	MACHINE SCREW	\$42.37
040139	STUD - A-3 MACHINE RATCHET HANDLE	\$3.32	040319	KEY - H MACHINE TOOL GUIDE	\$11.83
040189	LEATHER GASKET	\$25.31	040321	CHAIN SPREADER - H MACHINE	\$77.98
040191	BODY - A-2 MACHINE	\$1,302.84	040348	FEED SCREW BUSHING - G MACHINE	\$38.70

PART NUMBER	DESCRIPTION	LIST PRICE	PART NUMBER	DESCRIPTION	LIST PRICE
040349	GUIDE BUSHING NUT - G MACHINE	\$10.62	040852	GEAR	\$339.32
040351	SWINGING TOOL GUIDE YOKE - H MACHINE	\$47.80	040854	BEARING	\$184.99
040359	BODY - H MACHINE	\$77.77	040855	O-RING	\$3.78
040360	STUFFING NUT - H MACHINE	\$8.83	040870	DRAIN VALVE	\$10.02
040361	LEATHER GASKET	\$13.08	040871	INSERTING BAR - H-17145	\$636.85
040367	SADDLE 3" CAST IRON PIPE - H MACHINE	\$18.86	040907	SHELL CUTTER & TAP	\$551.25
040368	SADDLE 4" CAST IRON PIPE - H MACHINE	\$18.86	040911	SHANK & TAP	\$959.24
040369	SADDLE 6" CAST IRON PIPE - H MACHINE	\$18.86	041301	O-RING	\$1.44
040370	SADDLE 8" CAST IRON PIPE - H MACHINE	\$18.86	042042	SEAT WASHER	\$4.49
040383	CHAIN STRAP - G MACHINE	\$12.00	043294	SADDLE - 10" STEEL PIPE - A3 MACHINE	\$80.33
040387	SADDLE - 3" CAST IRON PIPE - G MACHINE	\$67.17	043800	"O" RING	\$1.86
040388	SADDLE - 4" CAST IRON PIPE - G MACHINE	\$67.17	043805	MACHINE ADAPTER - F MACHINE X 3/4" INSIDE IP THREAD X 2" LONG	\$59.05
040389	SADDLE 5" & 6" CAST IRON PIPE - G MACHINE	\$67.17	043879	SHELL CUTTER	\$545.37
040391	SADDLE - 8" CAST IRON PIPE - G MACHINE	\$67.17	043899	SHUT-OFF TOOL	\$194.70
040397	DRILL & HOLDER500" DIA X 6 7/8" LONG - E-5 MACHINE	\$242.46	043900	MACHINE ADAPTER - E5 MACHINE X 3/4" INSIDE IP THREAD X 3 15/16 LONG	\$103.48
040413	GOOSENECK - L MACHINE	\$290.91	043901	SHELL CUTTER	\$551.49
040414	CHAIN YOKE - L MACHINE	\$40.05	043908	STUD BOLT	\$18.28
040421	BODY - L MACHINE	\$357.85	043911	STUD BOLT	\$16.02
040422	STUFFING NUT - G MACHINE	\$63.92	043912	STUD BOLT	\$14.97
040438	TOOL ADAPTER - E MACHINE TOOLS TO D MACHINE	\$90.26	043917	GASKET	\$10.46
040503	LEATHER WASHER	\$19.03	043922	O RING	\$11.96
040518	SPRING	\$11.17	043959	GASKET - 3" LINE STOPPER FITTING CAP GASKET	\$4.92
040553	BORING BAR COLLAR	\$21.83	043973	"O" RING	\$5.39
040849	FEED TUBE GEAR	\$454.89	044164	STUFFING BOX - F MACHINE	\$100.68
040850	PINION SHAFT & GEAR	\$270.74	044168	PACKING NUT - H-17440	\$62.96
040851	GEAR	\$203.69	044197	STUFFING NUT - F MACHINE	\$4.32

PART NUMBER	DESCRIPTION	LIST PRICE	PART NUMBER	DESCRIPTION	LIST PRICE
044199	RATCHET HANDLE KNOB - F MACHINE	\$25.60	045384	SADDLE 8" STEEL PIPE - A3 MACHINE	\$80.33
044201	RATCHET HANDLE BODY - F MACHINE	\$70.31	045421	O-RING	\$0.78
044203	PACKING - F MACHINE	\$12.66	045422	O-RING	\$1.54
044206	COLLAR - F MACHINE	\$21.54	045556	STEEL WASHER	\$2.08
044207	DRILL & HOLDER - 1/2" DIAMETER X 6" LONG - F-1 MACHINE	\$148.48	045557	SADDLE 2" STEEL PIPE - H MACHINE	\$18.86
044208	DRILL375" DIAMETER X 2 1/4" LONG - F-1 MACHINE	\$132.52	045558	SADDLE 3" STEEL PIPE - H MACHINE	\$18.86
044209	DRILL - 1/4" DIAMETER X 2 1/4" LONG - F-1 MACHINE	\$169.74	045559	SADDLE 4" STEEL PIPE - H MACHINE	\$18.86
044210	DRILL HOLDER - 4 1/8" LONG - F-1 MACHINE	\$58.74	045560	END GASKET - 4" MECHANICAL JOINT FITTING TOP END H-17266	\$26.42
044211	BORING BAR - F MACHINE	\$108.24	045561	END GASKET - 4" MECHANICAL JOINT FITTING BOTTOM END H-17266	\$26.42
044214	RIVET	\$9.01	045562	END GASKET - 6" MECHANICAL JOINT FITTING TOP END H-17266	\$29.07
044228	FOLLOWER	\$20.91	045563	END GASKET - 6" MECHANICAL JOINT FITTING BOTTOM END H-17266	\$26.42
044230	MACHINE ADAPTER - F MACHINE X 3/4" OUTSIDE IP THREAD X 2 1/4" LONG	\$90.36	045564	END GASKET - 8" MECHANICAL JOINT FITTING TOP END H-17266	\$38.71
044245	FOLLOWER	\$35.47	045565	END GASKET - 8" MECHANICAL JOINT FITTING BOTTOM END H-17266	\$38.71
044266	COLLAR - H-17440	\$23.36	045628	SHUT-OFF TOOL	\$135.23
044268	UPPER COLLAR - H-17440	\$17.85	045869	DRILL & HOLDER375" DIAMETER X 8 1/2" LONG - F-1 MACHINE	\$159.73
044277	CLAMP BAR	\$637.62	046028	HEAVY HEX NUT	\$1.55
044280	GUIDE TUBE	\$836.33	046029	HEAVY HEX NUT	\$0.70
044320	PACKING FOLLOWER	\$69.75	046273	LOCK WASHER	\$1.81
044628	SPANNER WRENCH - CONTROL CHAMBER	\$142.59	046276	DETENT	\$6.90
044978	FOLLOWER	\$68.15	046279	HANDLE SCREW - H-17025	\$9.42
045111	OPERATING TUBE SCREW - H-17340	\$715.49	046280	HANDLE KNOB - H-17025	\$13.01
045114	OPERATING TUBE NUT - H-17342	\$419.97	046282	SHELL CUTTER	\$707.40
045115	PACKING RING	\$11.78	046387	"O" RING	\$16.28
045120	BEARING - H-17340	\$136.88	046388	"O" RING	\$19.67
045121	PACKING	\$9.82	046389	"O" RING	\$34.02
045215	THRUST WASHER - H-17340	\$22.51	046390	"O" RING	\$53.38

PART NUMBER	DESCRIPTION	LIST PRICE	PART NUMBER	DESCRIPTION	LIST PRICE
046391	"O" RING	\$74.29	047092	ROLLPIN	\$0.25
046428	O RING	\$44.73	047249	OPERATING SCREW	\$1,854.09
046429	STUD BOLT	\$46.26	047250	NUT	\$277.66
046431	NEOPRENE COVERING - 10" & 12" STEEL WEDGE STOPPER	\$270.64	047270	SPRING	\$7.51
046434	GASKET	\$24.23	047394	MACHINE ADAPTER - DH5 MACHINE X 3" OUTSIDE IP THREAD X 5" LONG	\$283.91
046668	AIR VENT- H-17346	\$4.86	047420	MACHINE SCREW	\$0.76
046669	AIR VENT SCREW - H-17346	\$8.76	047692	ADAPTER - F MACHINE X 1/2" INSIDE IP THREAD X 1 11/16" LONG	\$55.37
046694	COUPLING NUT - H-17346	\$49.56	047695	ADAPTER - F MACHINE X 1/2" OUTSIDE IP THREAD X 2 3/8" LONG	\$150.13
046695	COLLAR - PLUG INSERTING TOOL	\$58.95	047708	KEY - HANDWHEEL 14" GATE VALVE	\$6.37
046696	SPRING - PLUG INSERTING TOOL	\$15.41	047756	FIBER GASKER	\$1.47
046697	FORK - PLUG INSERTING TOOL	\$359.86	047799	SEAT WASHER - 14" GATE VALVE	\$58.53
046698	FORK - PLUG EXTRACTING TOOL	\$391.09	047801	INSERTING TOOL	\$114.83
046703	SADDLE 6" STEEL PIPE - A3 MACHINE	\$80.33	047878	THRUST BEARING	\$626.42
046726	"O" RING	\$2.35	047879	O-RING	\$1.74
046727	"O" RING	\$11.78	047993	DETENT	\$11.11
046734	SHELL CUTTER	\$1,793.85	048014	THRUST WASHER - 14" GATE VALVE	\$132.29
046772	MACHINE ADAPTER - E5 MACHINE X 1 1/2" OUTSIDE IP THREAD X 6 3/16" LONG	\$125.36	048061	COTTER PIN	\$1.32
046774	VIEW PLUG - INSPECTION FLANGE H- 17619	\$155.03	048081	ROLLPIN	\$1.52
046775	EYEBOLT - INSPECTION FLANGE H- 17619	\$19.67	048094	ROLLPIN	\$1.48
046776	SPACER - INSPECTION FLANGE H- 17619	\$30.30	048127	GASKET	\$5.85
)46778	BALL - INSPECTION FLANGE H-17619	\$49.53	048130	ROLLPIN	\$1.44
)46779	RETAINER - INSPECTION FLANGE H- 17619	\$18.27	048137	RING	\$20.96
46780	SPRING - INSPECTION FLANGE H- 17619	\$10.66	048151	ROLLPIN	\$0.05
46781	SPRING RETAINING NUT	\$19.98	048174	GASKET	\$7.02
946784	SLEEVE	\$23.09	048175	O-RING	\$5.86
46802	GASKET	\$11.60	048177	GASKET	\$20.65

PART NUMBER	DESCRIPTION	LIST PRICE	PART NUMBER	DESCRIPTION	LIST PRICE
048187	THRUST WASHER	\$25.79	050303	FORK - EZ RELEASE INSERTING TOOL	\$56.57
048192	KEY	\$13.91	050354	ADAPTER NIPPLE - E5 MACHINE	\$151.10
048193	PACKING RING	\$20.45	050369	PIPE PLUG	\$8.95
048200	WIPER RING	\$23.39	050382	MACHINE ADAPTER - D5 MACHINE X 2" OUTSIDE IP THREAD X 8" LONG	\$194.96
048267	ADAPTER - F1 MACHINE X 1" OUTSIDE IP THREAD X 2 15/16" LONG	\$74.50	050493	RUBBER PLUG	\$66.65
048282	DETENT	\$10.63	050763	SHORT LOCATING PIN	\$8.36
048296	O-RING	\$8.99	050816	SHELL CUTTER	\$661.47
048309	WRENCH	\$168.29	050861	ADAPTER - F1 MACHINE X 1" INSIDE IP THREAD X 2 3/16" LONG	\$101.44
048465	GASKET - 14" GATE VALVE BONNET	\$27.60	050885	EXTENSION - D5 MACHINE BORING BAR EXTENSION	\$170.79
048519	RETAINER - 14" GATE VALVE SEAT WASHER	\$151.32	050936	BLEEDER RING	\$23.02
048610	RING	\$10.51	050947	BLEEDER RING	\$31.35
048638	SHAFT COLLAR - 14" GATE VALVE	\$518.48	050952	SHELL CUTTER	\$711.36
048686	RETAINING RING	\$0.28	050953	PILOT DRILL - 5 15/32" LONG	\$253.30
048693	HEX NUT	\$2.17	050990	RETAINING RING	\$15.24
048704	STEM - EQUALIZING VALVE	\$1.72	051003	BLEEDER RING	\$49.33
)49043	SHELL CUTTER	\$1,012.39	051014	RETAINING RING	\$15.81
)49044	SHELL CUTTER	\$1,008.81	051059	WASHER	\$5.41
)49122	DRILL & HOLDER - 1.750" DIAMETER FLAT X 15 3/8" LONG - D-5 MACHINE	\$868.60	051062	HEX BUSHING	\$16.93
)49211	WRENCH	\$197.00	051100	RUBBER PLUG	\$14.63
)49212	WRENCH	\$379.68	051101	SHAFT NUT	\$14.86
)49626	BORING BAR FRICTION COLLAR	\$30.62	051106	FERRULE	\$51.16
149681	HEX BUSHING	\$63.56	051110	WASHER	\$5.41
49930	DRILL & HOLDER375" DIAMETER X 6" LONG - F-1 MACHINE	\$155.52	051112	CLAMP BAR COLLAR	\$17.54
49955	DRILL & HOLDER625" DIAMETER X 10" LONG - E-5 MACHINE	\$242.80	051113	PLUG	\$14.16
50133	STEEL WASHER	\$1.47	051134	NUT	\$16.07
50302	SCREW PLUG NUT	\$89.11	051159	WASHER	\$5.15

PART NUMBER	DESCRIPTION	LIST PRICE	PART NUMBER	DESCRIPTION	LIST PRICE
051189	FERRULE	\$37.25	052056	HEX NUT	\$2.81
051222	INSERTING TOOL	\$107.95	052162	O-RING	\$9.42
051243	RUBBER PLUG	\$14.86	052165	LOCK WASHER	\$0.04
051249	SHAFT NUT	\$12.99	052178	HEX NUT	\$2.51
051263	PIPE PLUG	\$2.33	052180	HEX NUT	\$1.90
051288	FERRULE	\$52.94	052181	MACHINE SCREW	\$1.44
051361	TEST CAP	\$11.43	052182	MACHINE SCREW	\$1.47
051364	MACHINE ADAPTER - E5 MACHINE	\$94.64	052193	MACHINE SCREW	\$1.54
051377	PACKING GLAND - D5 MACHINE	\$74.72	052194	MACHINE SCREW	\$1.47
051426	RATCHET DOG - E5 RATCHET HANDLE	\$20.94	052207	MACHINE SCREW	\$1.52
051427	FREEZE PLUG	\$1.47	052217	SHELL CUTTER	\$2,468.78
051428	RETAINING RING	\$3.32	052218	RUBBER PLUG	\$42.39
051432	PACKING GLAND - E5 MACHINE	\$55.92	052236	BODY - H-17040	\$36.74
051458	"O" RING	\$2.48	052241	MACHINE SCREW	\$3.13
051482	BUSHING - RATCHET HANDLE	\$27.75	052365	COMPLETION CAP	\$77.70
051484	HANDLE	\$93.63	052374	COMPLETION CAP	\$102.00
051575	MACHINE SCREW	\$0.48	052389	EYEBOLT - C1-36 MACHINE TOP BEARING & ADAPTER EYEBOLT	\$11.47
)51728	CYLINDER - EH1 MACHINE	\$478.54	052416	COMPLETION CAP	\$29.47
051731	FEED SCREW - G MACHINE	\$114.69	052430	COMPLETION CAP	\$18.21
051732	HANDLE - G MACHINE WHEEL HANDLE	\$19.98	052598	ADAPTER - ADAPTING E-5 MACHINE EXTRACTING TOOLS TO D-5 MACHINE	\$204.27
051756	BODY - EH1 MACHINE	\$365.37	052656	STEM	\$23.19
51897	SHELL CUTTER	\$1,837.64	052661	DRIVE SCREW	\$0.17
51899	SHELL CUTTER POA	\$411.95	052668	COMPLETION PLUG - 4" CLASS 300 LINE STOPPER FITTING	\$129.91
51903	SHELL CUTTER	\$818.48	052754	SHELL CUTTER	\$1,689.81
51914	HEX BOLT	\$3.64	052846	SHELL CUTTER	\$402.47
52055	HEX NUT	\$5.83	052849	SHEL CUTTER	\$402.47

PART NUMBER	DESCRIPTION	LIST PRICE	PART NUMBER	DESCRIPTION	LIST PRICE
052916	PIPE PLUG	\$7.30	054162	HEX BOLT	\$10.38
052930	SPRING	\$0.59	054241	WASHER	\$2.16
052969	SQUARE NUT	\$10.38	054418	WASHER	\$17.60
052973	SET SCREW	\$1.34	054425	WASHER	\$127.76
053195	RUBBER PLUG	\$292.24	054426	WASHER	\$104.96
053407	RUBBER PLUG	\$316.66	054433	LOCK NUT	\$86.04
053439	RUBBER PLUG	\$396.85	054442	BALL	\$1.48
053447	RUBBER PLUG	\$410.25	054443	BEARING	\$636.48
053507	COLLAR	\$40.28	054445	KEY	\$6.37
053508	FORK	\$287.13	054446	PLATE	\$124.97
053509	FORK	\$303.85	054454	KNOB	\$39.10
053512	INSERTING BAR - H-17345	\$589.21	054459	HANDLÉ	\$42.40
053558	DRIVING SQUARE	\$134.11	054466	GEAR KEY	\$6.37
053627	SHELL CUTTER	\$378.23	054467	KEY	\$9.02
053747	ROLLPIN	\$1.44	054469	KEY	\$172.61
053777	RETAINING RING	\$5.07	054470	SHAFT	\$177.38
053832	SQUARE NUT	\$1.17	054471	SPACER	\$13.06
053856	O-RING	\$2.51	054472	WASHER	\$59.96
053857	THUMB SCREW	\$7.34	054477	CRANK HANDLE STUD	\$17.99
)53858	FORK	\$253.29	054482	KEY	\$60.05
53863	SQUARE NUT	\$3.90	054488	PIVOT	\$45.51
53905	PROTECTOR SLEEVE	\$225.33	054501	HUB	\$289.38
53935	HEX NUT	\$0.79	054517	SCREW	\$326.03
53969	HEX CAP SCREW	\$6.99	054519	NUT	\$42.86
54012	WASHER	\$1.31	054523	WHEEL	\$52.73
54103	SPRING	\$20.96	054526	CUTTER HUB	\$255.20

PART NUMBER	DESCRIPTION	LIST PRICE	PART NUMBER	DESCRIPTION	LIST PRICE
054538	PIN	\$28.52	055567	GEAR	\$715.44
054545	DOWEL	\$3.36	055569	BEARING	\$117.64
054549	WASHER	\$4.19	055601	NUT	\$4.28
054551	KNOB	\$17.28	055609	GASKET	\$17.54
054602	SCREW	\$8.41	055610	SPRING	\$12.76
054618	LATCH	\$7.59	055614	DOG	\$16.93
054630	WASHER	\$20.48	055616	PIN	\$9.35
054653	HUB	\$345.56	055617	WHEEL	\$41.99
054661	HUB	\$416.36	055693	SHELL CUTTER	\$572.37
054702	BALL	\$1.47	055726	WRENCH	\$136.80
054804	BOLT	\$2.44	055790	WHEEL	\$345.81
054965	BUSHING	\$7.44	056039	SCREW	\$29.41
055098	SCREW	\$1.47	056178	SCREW	\$9.08
055266	SHELL CUTTER	\$1,078.83	056234	SCREW	\$1.08
055409	WASHER	\$2.91	056392	PIN	\$1.18
055432	IDLER DRIVER	\$491.95	056632	HANDLE	\$105.44
055446	IDLER PINION GEAR	\$454.52	056680	WRENCH	\$66.15
055449	GASKET	\$11.00	056682	BOLT	\$8.16
055467	GASKET	\$8.23	056694	PIN	\$4.35
055478	GASKET	\$9.98	057655	BODY	\$228.14
055541	BEARING	\$236.94	058088	CYLINDER	\$158.88
055546	NUT	\$111.67	058089	NUT	\$52.06
955561	TUBE	\$1,657.62	058093	CYLINDER	\$405.75
55563	WORM	\$3,965.48	058094	NUT	\$121.64
55564	GEAR	\$917.91	058099	SCREW	\$12.64
55565	SCREW	\$365.37	058101	PACKING	\$10.55

PART NUMBER	DESCRIPTION	LIST PRICE	PART NUMBER	DESCRIPTION	LIST PRICE
058143	GUIDE	\$126.57	060506	PIN	\$1.47
058155	PINS	\$4.82	060507	PIN	\$3.08
058156	GUIDE	\$119.85	060597	O RING	\$0.59
058159	STANDARD	\$70.42	060862	BOLT	\$10.79
058196	WRENCH	\$93.72	060958	BOLT	\$10.79
058224	GUIDE	\$117.62	061114	BOLT	\$10.79
058321	WASHER	\$1.62	061212	SCREW PLUG	\$145.61
058458	SCREW	\$1.47	061213	SCREW PLUG	\$178.83
058461	WASHER	\$2.29	061214	SCREW PLUG	\$207.53
058519	STEM HANDWHEEL	\$26.00	061348	BOTTOM RETAINING CAP	\$263.39
058733	WASHER	\$0.78	061788	DRILL & HOLDER - 1/2" DIAMETER X 10" LONG - E-5 MACHINE	\$144.60
058849	NUT	\$4.15	061789	DRILL HOLDER - 6 1/4" LONG - E-5 MACHINE	\$80.51
059582	SADDLE 42" CAST IRON PIPE - A3 MACHINE	\$80.33	061790	DRILL - 3/4" DIAMETER X 4 1/4" LONG - E-5 MACHINE	\$118.78
059787	WRENCH	\$35.28	061879	DRILL & HOLDER4375" DIAMETER X 10" LONG - E-5 MACHINE	\$188.32
059810	SPRING	\$2.35	061968	DRILL - 1" DIAMETER X 4 1/4" LONG - E-5 MACHINE	\$154.35
059839	WRENCH	\$101.67	061969	DRILL HOLDER - 6 1/4" LONG - E-5 MACHINE	\$80.51
059844	PILOT DRILL - 6 1/4" LONG	\$291.45	061981	DRILL HOLDER - 6 1/4" LONG - E-5 MACHINE	\$74.03
059845	PILOT DRILL - 7 5/8" LONG	\$245.14	061982	DRILL - 5/8" DIAMETER X 4 1/4" LONG - E-5 MACHINE	\$87.35
060039	NUT	\$9.64	061989	DRILL - 15/16" DIAMETER X 4 1/4" LONG - E-5 MACHINE	\$123.07
060040	NUT	\$13.01	061990	DRILL - 7/8" DIAMETER X 4 1/4" LONG - E-5 MACHINE	\$117.39
060041	WRENCH	\$14.26	061991	DRILL - 13/16" DIAMETER X 4 1/4" LONG - E-5 MACHINE	\$179.05
060204	GASKET	\$12.96	061992	DRILL - 11/16" DIAMETER X 4 1/4" LONG - E-5 MACHINE	\$93.46
60205	GASKET	\$12.96	061993	DRILL HOLDER - 6 1/4" LONG - E-5 MACHINE	\$80.51
60345	PACKING NUT	\$29.41	062011	DRILL & HOLDER5625" DIAMETER X 10" LONG - E-5 MACHINE	\$197.63
60350	PIN	\$1.48	062098	CAP	\$107.13
60504	PIN	\$5.83	062099	SLEEVE	\$95.24

PART NUMBER	DESCRIPTION	LIST PRICE	PART NUMBER	DESCRIPTION	LIST PRICE
062144	ноок	\$66.84	063655	DRILL & TAP	\$432.82
062241	COMB DRILL & TAP	\$931.00	063686	PILOT DRILL - 6 1/4" LONG	\$289.59
062403	WHEEL	\$146.44	063728	BOLT	\$33.61
062415	CAP	\$305.40	063730	SHELL CUTTER	\$730.99
062501	SCREW	\$8.19	063733	NUT	\$423.19
062583	DRILL HOLDER - 15 1/2" LONG - DH-5 MACHINE	\$267.92	063736	DRILL	\$161.55
062887	POINT	\$20.71	063739	HUB	\$368.71
062938	PIN	\$1.47	063740	HUB	\$332.88
062945	GASKET	\$8.16	063759	NIPPLE	\$4.19
062954	WASHER	\$9.02	063767	TAP & SHANK	\$569.65
063057	GASKET	\$13.16	063787	SHELL CUTTER	\$1,487.21
063094	GASKET	\$16.29	063790	SHELL CUTTER	\$1,035.81
063115	SHELL CUTTER	\$2,054.85	063795	SHELL CUTTER	\$1,675.98
063146	SHELL CUTTER	\$1,625.79	063842	WASHER	\$24.83
063193	VALVE ADAPTER - 9" GATE VALVE TO 8" CLASS 150 FLANGE	\$2,493.47	063978	HUB	\$299.48
063205	VALVE ADAPTER - 9" GATE VALVE TO 6" CLASS 150 FLANGE	\$2,362.66	064134	PLUG	\$3.39
063244	VALVE ADAPTER - 9" GATE VALVE TO 6" CLASS 600 FLANGE	\$1,624.08	064207	SHELL CUTTER	\$1,584.56
063261	VALVE ADAPTER - 9" GATE VALVE TO 6" CLASS 300 & 400 FLANGES	\$2,542.33	064240	HUB	\$423.33
063264	PIN	\$24.94	064244	PILOT DRILL - 8 1/4" LONG	\$280.15
063359	O RING	\$16.05	064245	PILOT DRILL - 8 3/8" LONG	\$244.01
063381	VALVE ADAPTER	\$3,342.38	064297	BORING BAR EXTENTION	\$134.19
63392	DRILL HOLDER - 3 9/16" LONG - E-5 MACHINE	\$81.46	064567	DRILL - 2" DIAMETER X 3 3/4" LONG	\$597.25
63396	DRILL HOLDER - 4 5/8" LONG - E-5 MACHINE	\$77.74	068181	SHANK	\$479.79
63412	GASKET	\$14.51	068511	CAP	\$5.85
63477	PIN	\$2.07	068512	CAP	\$24.97
63481	BUSHING	\$37.86	071656	NUT	\$1.61

PART NUMBER	DESCRIPTION	LIST PRICE	PART NUMBER	DESCRIPTION	LIST PRICE
072235	STEM	\$15.29	075059	SADDLE	\$67.17
072236	BUSHING	\$7.10	075062	COMBINED DRILL & TAP	\$162.57
072237	STEM	\$5.36	075063	COMBINED DRILL & TAP	\$219.82
072238	BUSHING	\$24.51	075064	COMBINED DRILL & TAP	\$258.66
072239	O-RING	\$2.14	075065	COMBINED DRILL & TAP	\$414.50
072240	REAMER	\$206.88	075066	COMBINED DRILL & TAP	\$518.81
072241	REAMER	\$209.48	075067	COMBINED DRILL & TAP	\$728.97
72484	SCREW	\$10.40	075188	COMBINED DRILL & TAP	\$227.69
072627	SPRING	\$12.83	075189	COMBINED DRILL & TAP	\$269.80
072760	PIN	\$0.47	075190	COMBINED DRILL & TAP	\$421.37
074876	SHELL CUTTER	\$705.95	075191	COMBINED DRILL & TAP	\$508.27
074878	DRILL - 1 3/16" DIAMETER X 4 3/8" LONG - E-5 MACHINE	\$278.90	075192	COMBINED DRILL & TAP	\$684.12
075037 ^{3/8"}	H-MACHINE DRILL & TAP	\$265.30	075204	SADDLE - 20" CAST IRON PIPE - B MACHINE	\$4 5.07
075038 1/2"	H-MACHINE DRILL & TAP	\$240.62	075305	SADDLE 2" STEEL OR CAST IRON PIPE - G MACHINE	\$67.17
075039	COMBINED DRILL & TAP	\$182.00	075404	CAP	\$23.42
75040	COMBINED DRILL & TAP	\$309.18	075409	WRENCH	\$152.42
)75041 ^{1 1/4} "	H-MACHINE DRILL & TAP	\$675.31	075490	COMBINED DRILL & TAP	\$271.95
)75042 1 1/2"	H-MACHINE DRILL & TAP	\$473.24	075808	SADDLE 2" STEEL - B MACHINE	\$45.07
075043	COMBINED DRILL & TAP	\$498.33	075809	SADDLE 2 1/2" STEEL PIPE - B MACHINE	\$45.07
)75044 ^{2"}	H-MACHINE DRILL & TAP	\$1,086.05	075810	SADDLE - 3" STEEL PIPE - B MACHINE	\$45.07
75045 ^{3"}	H-MACHINE DRILL & TAP	\$1,849.97	075811	SADDLE - 3 1/2" STEEL PIPE - B MACHINE	\$45.07
75053	SADDLE 10" & 12" STEEL OR CAST IRON PIPE - H MACHINE	\$18.86	075812	SADDLE - 4" STEEL PIPE - B MACHINE	\$45.07
75054	SADDLE	\$37.53	075813	SADDLE 4 1/2" STEEL PIPE - B MACHINE	\$45.07
75055	SADDLE 30" TO 60" STEEL OR CAST IRON PIPE - H MACHINE	\$33.12	075814	SADDLE 5" STEEL PIPE - B MACHINE	\$45.07
75057	SADDLE	\$67.17	075815	SADDLE 6" STEEL PIPE - B MACHINE	\$45.07
75058	SADDLE	\$67.17	075816	SADDLE 7" STEEL PIPE - B MACHINE	\$45.07

PART NUMBER	DESCRIPTION	LIST PRICE	PART NUMBER	DESCRIPTION	LIST PRICE
075817	SADDLE 8" STEEL PIPE - B MACHINE	\$45.07	078736	DRILL HOLDER - 8 7/8" LONG - E-5 MACHINE	\$80.51
075818	SADDLE 9" STEEL PIPE - B MACHINE	\$45.07	078740	FORK	\$57.65
075819	SADDLE 10" STEEL PIPE - B MACHINE	\$45.07	078804	ADAPTER-NO M33P5 INGERSOL- RAND AIR MOTOR H-600 FOR REPAIR ONLY	\$147.54
075820	SADDLE 11" STEEL PIPE - B MACHINE	\$45.07	078817	STEM	\$30.89
075821	SADDLE 12" STEEL PIPE - B MACHINE	\$45.07	078818	O RING	\$2.85
075830	SADDLE 3" CAST IRON PIPE - B MACHINE	\$45.07	078819	NUT	\$21.83
075831	SADDLE 18" CAST IRON PIPE - A3 MACHINE	\$80.33	078820	HANDLE	\$14.16
075832	SADDLE 2" CAST IRON PIPE - B MACHINE	\$45.07	078821	ARM	\$21.83
075833	SADDLE 5" CAST IRON PIPE - B MACHINE	\$45.07	078822	HOLDER	\$18.11
075834	SADDLE 12" CAST IRON PIPE - B MACHINE	\$45.07	078823	WASHER	\$6.18
075835	SADDLE 14" CAST IRON PIPE - B MACHINE	\$45.07	078824	SEAT WASHER	\$11.88
075836	SADDLE 16" CAST IRON PIPE - B MACHINE	\$45.07	078825	SCREW	\$7.80
075837	SADDLE 18" CAST IRON PIPE - B MACHINE	\$45.07	078826	SEAT RING	\$45.22
075838	SADDLE 24" CAST IRON PIPE - B MACHINE	\$45.07	078827	O RING	\$6.64
075839	SADDLE 30" CAST IRON PIPE - B MACHINE	\$45.07	078828	O RING	\$3.26
075840	SADDLE 36" CAST IRON PIPE - B MACHINE	\$45.07	078829	BUSHING	\$41.02
075841	SADDLE 40" - 48" CAST IRON PIPE - B MACHINE	\$45.07	078830	BUSHING	\$41.02
075906	SADDLE 4" CAST IRON PIPE - A3 MACHINE	\$80.33	078831	BUSHING	\$41.02
075908	SADDLE 6" CAST IRON PIPE - A3 MACHINE	\$80.33	078835	HANDLE	\$3.54
075909	SADDLE 8" CAST IRON PIPE - A3 MACHINE	\$80.33	078837	WASHER	\$2.67
075910	SADDLE 10" CAST IRON PIPE - A3 MACHINE	\$80.33	078839	DOG	\$17.85
075911	SADDLE 14" CAST IRON PIPE - A3 MACHINE	\$80.33	078840	KNOB	\$14.51
075912	SADDLE 30" CAST IRON PIPE - A3 MACHINE	\$80.33	078843	BODY	\$112.79
075913	SADDLE 36" CAST IRON PIPE - A3 MACHINE	\$80.33	078845	SCREW	\$8.23
075914	SADDLE 48" CAST IRON PIPE - A3 MACHINE	\$80.33	078849	ARM	\$65.47
076701	SADDLE 40" CAST IRON PIPE - A3 MACHINE	\$80.33	078853	KNOB	\$23.36

PART NUMBER	DESCRIPTION	LIST PRICE	PART NUMBER	DESCRIPTION	LIST PRICE
078856	WASHER	\$7.80	078902	SHUT OFF PLUG	\$182.21
078857	SLEEVE	\$257.96	078905	INSERTING TOOL	\$99.17
078858	O RING	\$4.86	078906	ARBOR	\$151.84
078859	CAP	\$30.12	078907	MACHINE ADAPTER - E5 MACHINE X 2" OUTSIDE IP THREAD X 4 13/16" LONG	\$148.47
078860	BODY	\$230.20	078909	SHELL CUTTER	\$252.56
078865	SHUT OFF PLUG	\$94.23	078910	SHELL CUTTER	\$248.42
078866	SHUT OFF PLUG	\$88.64	078995	DRILL	\$191.51
078867	PLUG	\$101.66	079020	O RING	\$22.23
078870	DRILL - 3/8" DIAMETER X 4 5/8" LONG - T MACHINE	\$144.60	079159	TEST CAP	\$10.90
078871	DRILL - 1/2" DIAMETER X 4 5/8" LONG - T MACHINE	\$129.05	079160	TEST CAP	\$10.90
078872	DRILL - 5/8" DIAMETER X 4 5/8" LONG - T MACHINE	\$162.02	079161	TEST CAP	\$10.90
078873	DRILL - 3/4" DIAMETER X 4 5/8" LONG - T MACHINE	\$156.07	079180	PACKING NUT	\$11.49
078874	DRILL - 1" DIAMETER X 4 5/8" LONG - T MACHINE	\$180.63	079181	BODY	\$93.64
078875	SHELL CUTTER	\$191.05	079184	DRILL & HOLDER - 1/2" DIAMETER X 10" LONG - E-5 MACHINE	\$127.20
078876	SHELL CUTTER	\$209.57	079185	DRILL - 3/4" DIAMETER X 10" LONG - E- 5 MACHINE	\$210.72
078877	SHELL CUTTER	\$268.46	079186	DRILL - 1" DIAMETER X 10" LONG - E-5 MACHINE	\$211.31
078878	SHELL CUTTER	\$258.73	079232	PACKING	\$2.12
078886	RUBBER PLUG	\$16.59	079266	O RING	\$1.63
078887	MANDREL	\$24.59	079267	SHAFT O RING	\$1.26
078890	RUBBER	\$16.08	079268	O RING	\$4.13
078895	ADAPTER	\$48.57	079269	RING	\$2.35
078897	FORK	\$48.57	079270	O RING	\$0.95
078898	PLUG	\$2.77	079279	SHELL CUTTER	\$574.96
078899	DRILL HOLDER - 4 3/4" LONG - E-5 MACHINE	\$80.51	079280	SHELL CUTTER	\$600.74
078900	DRILL HOLDER - 5" LONG - E-5 MACHINE	\$80.51	079311	CLAMP BAR COLLAR PIN	\$1.10
078901	SHUT OFF PLUG	\$143.26	079340	OPERATING HEAD	\$6.85

PART NUMBER	DESCRIPTION	LIST PRICE	PART NUMBER	DESCRIPTION	LIST PRICE
079342	COMPLETION CAP	\$7.28	080080	RUBBER SHUT OFF TOOL	\$92.39
)79345	O RING	\$2.39	080082	RUBBER SHUT OFF TOOL	\$108.28
)79350	O-RING	\$2.48	080083	RUBBER SHUT OFF TOOL	\$95.29
079351	O-RING	\$2.24	080084	ADAPTER	\$176.17
079402	SLEEVE	\$285.92	080085	HANDLE	\$125.23
079403	SPACER	\$194.96	080087	SCREW PLUG	\$193.58
079477	O RING	\$9.83	080088	TOOL	\$157.75
079490	RING	\$6.87	080094	AIR MOTOR HOLDER	\$851.16
079506	O RING	\$2.52	080111	HANDLE BAR	\$210.22
079514	O RING	\$3.21	080488	HANDLE	\$90.86
079515	SHELL CUTTER	\$207.52	080492	SHAFT	\$116.43
079516	HOLDER	\$72.42	080515	SHELL CUTTER	\$768.58
079517	PILOT DRILL - 1 57/64" LONG	\$95.35	080516	SHELL CUTTER & TAP	\$796.22
079521	DRILL HOLDER - 5 7/8" LONG - E-5 MACHINE FOR T MACHINE DRILLS	\$101.26	080580	SHELL CUTTER & TAP	\$791.78
079523	SHELL CUTTER	\$618.10	080666	NUT & EYEBOLT	\$63.56
079586	SHELL CUTTER	\$253.59	080668	HANDLE	\$829.53
079745	STEM FASTENER	\$1.81	081028	CHAIN	\$898.80
079893	NIPPLE	\$118.00	081440	BODY	\$903.70
079895	O RING	\$8.68	081495	RUBBER STOPPER	\$159.27
079981	NUT	\$141.40	081496	RUBBER STOPPER	\$550.16
079987	KEY	\$12.50	081499	SCREW PLUG	\$288.98
080000	CHAIN	\$135.22	082314	CHAIN	\$348.02
080001	CHAIN	\$161.32	082714	CHAIN	\$514.92
080003	CHAIN	\$250.25	083029	BODY	\$1,989.93
080010	BODY	\$2,854.88	083065	SCREW PLUG	\$417.06
080064	RUBBER STOPPER	\$358.89	083066	SCREW PLUG	\$612.44

PART NUMBER	DESCRIPTION	LIST PRICE	PART NUMBER	DESCRIPTION	LIST PRICE
083106	OPERATING TUBE	\$1,280.82	083254	RUBBER STOPPER	\$184.98
083108	GUIDE POST TIE BAR	\$259.93	083255	RUBBER STOPPER	\$231.75
083109	CAP	\$743.94	083256	EZ RELEASE INSERTING TOOL	\$212.91
083110	TUBE CLAMP	\$207.52	083257	EZ RELEASE INSERTING TOOL	\$242.37
083111	CRANK	\$261.12	083258	EZ RELEASE INSERTING TOOL	\$273.09
083117	SHELL CUTTER & PILOT - 1 1/2" DIAMETER X 4 1/2" LONG - DH-5 MACHINE	\$823.06	083259	EXTRACTING TOOL	\$285.92
083118	SHELL CUTTER	\$6,813.95	083260	EXTRACTING TOOL	\$288.61
083119	SCREW PLUG	\$273.92	083261	INSERTING TOOL	\$199.80
083131	HANDLE	\$37.60	083262	EXTRACTING TOOL	\$253.59
083132	SHELL CUTTER	\$950.60	083263	EXTRACTING TOOL	\$170.39
083153	TUBE	\$1,398.03	083264	EXTRACTING TOOL	\$170.54
083157	EZ RELEASE INSERTING TOOL	\$680.04	083271	SHANK SUB-ASSEMBLY	\$130.89
083164	VALVE ADAPTER - 5" GATE VALVE TO 4" CLASS 600 FLANGE		083272	SHANK SUB-ASSEMBLY	\$114.96
083179	EXTRACTING TOOL	\$608.39	083273	SHANK SUB-ASSEMBLY	\$173.92
083180	EXTRACTING TOOL	\$703.96	083276	CRANK	\$70.35
083204	ADAPTER - INSPECTION FLANGE ADAPTER	\$691.07	083277	CRANK	\$76.44
083210	RUBBER STOPPER	\$231.75	083278	CRANK	\$79.12
083212	EXTRACTING TOOL	\$170.54	083281	STUFFING BOX	\$113.34
083213	SCREW PLUG	\$257.04	083282	STUFFING BOX	\$141.08
083234	ROD FOR INSPECTION FLANGE	\$157.40	083283	STUFFING BOX	\$138.60
083236	BODY	\$3,239.08	083313	SCREW PLUG	\$273.16
083237	EZ RELEASE INSERTING TOOL	\$864.94	083322	SHELL CUTTER	\$7,601.02
083238	EXTRACTING TOOL	\$955.67	083323	MACHINE ADAPTER - C1-36 MACHINE TO 14" GATE VALVE	\$4,919.29
083243	RUBBER STOPPER	\$123.39	083324	PILOT DRILL - 2 1/4" LONG	\$524.48
083245	RUBBER STOPPER	\$325.82	083327	CYLINDER	\$2,191.29
083250	ALIGNMENT TOOL	\$693.15	083331	SHAFT	\$749.10

PART NUMBER	DESCRIPTION	LIST PRICE	PART NUMBER	DESCRIPTION	LIST PRICE
083341	CYLINDER	\$2,208.54	083522	SCREW PLUG	\$472.83
083397	HUB	\$396.85	083536	1 1/4" SHELL CUTTER & TAP	\$730.88
083400	SCREW PLUG	\$302.87	083537	BORING BAR	\$837.68
083401	BORING BAR	\$983.04	083543	COLLAR	\$89.87
083402	SHUT OFF TOOL	\$195.83	083544	COLLAR	\$128.98
083409	RATCHET HANDLE	\$272.96	083565	GATE VALVE	\$25,515.71
083411	CLAMP COLLAR	\$201.57	083579	TUBE	\$547.23
083424	TUBE	\$363.83	083582	GEAR UNIT	\$735.15
083431	KNOB	\$26.84	083587	CAM	\$462.40
083441	SHAFT	\$110.10	083595	GEAR UNIT	\$488.62
083442	HANDLE SUB	\$45.94	083599	2 1/2" SHELL CUTTER ARBOR	\$599.46
083443	HANDLE SUB	\$70.79	083617	SHELL CUTTER	\$1,694.63
083444	TUBE	\$106.37	083632	BORING BAR ADAPTER	\$610.77
083485	4" COMPLETION PLUG SUB-CLASS 150	\$125.42	083634	PILOT DRILL - 4 13/16" LONG	\$341.34
083487	6" COMPLETION PLUG SUB-CLASS 150	\$176.05	083639	PILOT DRILL - 5 3/8" LONG	\$324.23
083493	8" COMPLETION PLUG SUB-CLASS 150	\$238.79	083671	3 1/2" SHELL CUTTER HUB	\$520.44
083494	SHELL CUTTER & TAP	\$1,112.92	083673	5 1/2" SHELL CUTTER HUB	\$724.37
083495	SHELL CUTTER & TAP	\$1,041.29	083675	PILOT DRILL - 6 7/16" LONG	\$334.74
083504	STOPPER	\$580.39	083697	VALVE ADAPTER	\$1,593.25
083506	RUBBER STOPPER	\$695.45	083711	8" COMPLETION PLUG SUB CLASS 300 & UP	\$336.39
083513	VALVE ADAPTER	\$1,530.88	083723	BONNET	\$3,358.41
083517	SCREW PLUG	\$622.25	083726	SHAFT	\$730.16
083518	SCREW PLUG	\$653.44	083728	BODY COMPLETE	\$3,020.46
083519	TOOL	\$583.39	083730	MACHINE ADAPTER	\$3,564.07
083520	SCREW PLUG	\$622.25	083756	SHAFT	\$340.24
083521	SCREW PLUG	\$622.25	083760	HUB	\$1,522.51

PART NUMBER	DESCRIPTION	LIST PRICE	PART NUMBER	DESCRIPTION	LIST PRICE
083762	нив	\$1,901.36	083913	COLLAR	\$126.72
083771	STOPPER	\$347.72	083928	PLUGGING UNIT	\$992.69
083772	INSERTING TOOL	\$582.73	083929	BORING BAR	\$551.68
083773	EXTRACTING TOOL	\$622.25	083941	SHAFT	\$104.34
083774	ALIGNMENT TOOL	\$472.95	083942	SHAFT TUBE	\$294.75
083775	VALVE ADAPTER	\$1,716.50	083943	STUFFING BOX	\$356.24
083777	RUBBER STOPPER	\$124.36	083952	VALVE BODY	\$2,344.78
083778	STOPPER	\$93.63	083962	PLUGGING UNIT	\$494.51
083779	RUBBER SHUT OFF TOOL	\$131.29	083963	PLUGGING UNIT	\$551.87
083792	SAFETY CLAMP	\$1,446.13	083964	PLUGGING UNIT	\$663.32
083800	AIR MOTOR HOLDER ASSEMBLY	\$487.33	083965	SHAFT	\$96.97
083803	TUBE	\$282.83	083966	SHAFT TUBE	\$210.63
083805	PLUGGING UNIT	\$893.52	083967	SHAFT	\$105.70
083806	SHAFT CRANK	\$180.84	083968	SHAFT TUBE	\$197.93
083807	STUFFING BOX	\$221.54	083973	HANDLE	\$195.30
083808	SHAFT	\$111.04	083975	SAFETY CLAMP	\$1,122.68
083815	SHAFT	\$103.69	083976	CLAMP ARM	\$337.28
083816	SHAFT	\$88.39	083977	PIPE CLAMP	\$414.73
083839	SHAFT ASSEMBLY	\$118.94	083987	YOKE FOR H603 ITEM	\$371.62
083841	SHAFT	\$3,020.46	084564	YOKE	\$114.30
083847	COLLAR	\$59.66	085308	HANDLE	\$297.72
083859	SHAFT TUBE	\$165.51	085318	CHAIN	\$756.91
083860	SHAFT TUBE	\$188.02	085324	FEED SCREW	\$150.31
083861	TUBE	\$182.37	085325	CHAIN HOOK	\$58.85
083865	PLUGGING UNIT	\$594.17	085333	PRESSURE CYLINDER	\$1 17.16
083866	PLUGGING UNIT	\$696.62	085711	SCREW	\$270.26

PART NUMBER	DESCRIPTION	LIST PRICE	PART NUMBER	DESCRIPTION	LIST PRICE
086391	HANDLE	\$89.05	088475	WRENCH	\$87.49
087150	YOKE	\$89.83	088477	YOKE	\$219.00
087151	BORING BAR	\$431.24	088478	RUBBER STOPPER	\$190.64
087206	CHAIN	\$131.31	088481	TORQUE TUBE	\$3,987.35
087673	CHAIN	\$291.55	088482	RUBBER STOPPER	\$472.01
088009	HANDLE	\$449.30	088485	RUBBER STOPPER	\$472.01
088101	HUB	\$584.28	088600	STOPPER	\$198.25
088125	STOPPER	\$96.12	088601	HUB	\$477.63
088126	CHAIN	\$721.57	088602	FEED TUBE & YOKE	\$385.33
088127	CHAIN	\$1,039.04	088605	BORING BAR	\$295.25
088150	CRANK	\$443.39	088606	FEED NUT & YOKE	\$356.57
088279	EXTRACTING TOOL	\$170.54	088607	YOKE	\$259.38
088285	BORING BAR	\$367.38	088609	RUBBER STOPPER	\$383.01
088286	SCREW PLUG	\$304.28	088610	RUBBER STOPPER	\$348.02
088295	SHELL CUTTER & TAP	\$1,197.16	088613	RUBBER STOPPER	\$423.68
088296	SHELL CUTTER & TAP	\$1,149.67	088614	RUBBER STOPPER	\$422.22
088297	SHELL CUTTER & TAP	\$2,918.67	088627	INSERTING BAR	\$724.27
088338	HUB	\$460.05	088693	BELT	\$754.39
088340	HUB	\$769.30	088699	RUBBER STOPPER	\$2,335.38
088341	DRILL - 1 1/2" DIAMETER X 16 1/4" LONG - CC & C1 MACHINES	\$611.95	088740	SHELL CUTTER & TAP	\$1,353.42
088342	DRILL	\$954.91	088757	SHUT OFF TOOL	\$88.45
088366	GREASE	\$16.45	088758	SHUT OFF TOOL	\$88.45
088384	SCREW PLUG	\$319.87	088773	SHUT OFF TOLL	\$180.12
088470	HUB	\$357.02	089003	RUBBER STOPPER	\$143.29
088471	RUBBER STOPPER	\$191.38	089007	SHELL CUTTER	\$724.27
088474	SCREW PLUG	\$342.36	089008	SHELL CUTTER & TAP	\$1,207.19

PART NUMBER	DESCRIPTION	LIST PRICE	PART NUMBER	DESCRIPTION	LIST PRICE
089018	SHELL CUTTER	\$809.43	089316	THREAD CLEANING TOOL	\$327.87
089059	CHAIN	\$329.71	089317	THREAD CLEANING TOOL	\$338.46
089061	SCREW PLUG	\$253.59	089318	THREAD CLEANING TOOL	\$355.54
089068	HANDLE	\$273.02	089319	THREAD CLEANING TOOL	\$330.80
089073	FEED SLEEVE CONN	\$58.15	089321	THREAD CLEANING TOOL	\$323.40
089076	STOPPER	\$66.37	089341	ADAPTER	\$2,585.39
089077	STOPPER	\$83.73	089346	GEAR OIL	\$44.96
089078	STOPPER	\$126.58	089347	GEAR OIL	\$54.64
089079	STOPPER	\$120.41	089348	MACHINE ADAPTER - E5 MACHINE X 2" OUTSIDE IP THREAD X 7 5/8" LONG	\$232.63
089095	BORING BAR	\$2,421.56	089349	MACHINE ADPATER - D5 MACHINE X 2" OUTSIDE IP THREAD X 6 1/4" LONG	\$183.63
089096	YOKE	\$125.95	089350	SHELL CUTTER	\$485.55
089099	ноок	\$143.76	089351	SHELL CUTTER	\$808.32
089108	DRILL HOLDER - COLLET TYPE 1/8" TO 3/8" DRILLS FOR DRILLING 1/2" VALVE TEES H-17697 E-5 MACHINE	\$178.61	089352	SHELL CUTTER	\$1,067.57
089119	BELT	\$803.03	089368	SHANK	\$160.65
089130	RUBBER STOPPER	\$89.81	089423	PILOT DRILL - 14.500" LONG	\$552.71
089151	INSERTING TOOL	\$358.96	089425	TUBE	\$1,047.61
089152	EXTRACTING TOOL	\$249.85	089432	MACHINE ADAPTER - CC OR C1 MACHINE X 2" STD GATE VALVE CLASS 150	\$1,160.26
089153	EXTRACTING TOOL	\$609.01	089433	MACHINE ADAPTER - CC OR C1 MACHINE X 3" STD GATE VALVE CLASS 150	\$1,376.78
089156	MACHINE ADAPTER - H-17135 X 4" OUTSIDE IP THREAD X 7 7/8" LONG	\$522.14	089434	MACHINE ADAPTER - CC OR C1 MACHINE X 4" STD GATE VALVE CLASS 150	\$1,446.99
089158	MACHINE ADAPTER - H-17135 X 2: OUTSIDE IP THREAD X 6 3/8" LONG	\$325.28	089435	MACHINE ADAPTER - CC OR C1 MACHINE X 6" STD GATE VALVE CLASS 150	\$1,796.14
089165	RUBBER STOPPER	\$147.02	089436	MACHINE ADAPTER - CC OR C1 MACHINE X 8" STD GATE VALVE CLASS 150	\$2,333.58
089191	TOOL	\$293.62	089437	MACHINE ADAPTER - CC OR C1 MACHINE X 10" STD GATE VALVE CLASS 150	\$2,784.68
089192	SCREW PLUG	\$170.54	089438	MACHINE ADAPTER - CC OR C1 MACHINE X 12" STD IP THREAD CLASS 150	\$4,195.51
089259	SHAFT TUBE	\$343.30	089439	MACHINE ADAPTER - CC OR C1 MACHINE X 2" STD GATE VALVE CLASS 300 TO 400 & 600	\$1,260.99
089265	METAL CHEST	\$455.74	089440	MACHINE ADAPTER - CC OR C1 MACHINE X 3" STD GATE VALVE CLASS 300 TO 400 & 600	\$1,687.68
089266	PLUGGING UNIT	\$709.75	089441	MACHINE ADAPTER - CC OR C1 MACHINE X 4" STD GATE VALVE CLASS 300 & 400	\$1,472.53

PART NUMBER	DESCRIPTION	LIST PRICE	PART NUMBER	DESCRIPTION	LIST PRICE
089442	MACHINE ADAPTER - CC OR C1 MACHINE X 6" STD GATE VALVE CLASS 300 & 400	\$2,103.76	089704	10" & 12" STEEL WEDGE STOPPER -	\$8,124.74
089443	MACHINE ADAPTER - CC OR C1 MACHINE X 8" STD GATE VALVE CLASS 300 & 400	\$2,660.39	089737	WRENCH	\$57.39
089444	MACHINE ADAPTER - CC OR C1 MACHINE X 10" STD GATE VALVE CLASS 300 & 400	\$3,342.85	089744	SHAFT	\$254.30
089445	MACHINE ADAPTER - CC OR C1 MACHINE X 12" STD GATE VALVE CLASS 300 & 400	\$3,965.65	089758	ADHESIVE	\$36.75
089446	MACHINE ADPATER - CC OR C1 MACHINE X 4" STD GATE VALVE CLASS 600	\$1,908.67	089759	ADHESIVE	\$61.33
089447	MACHINE ADAPTER - C OR C1 MACHINE X 6" STD GATE VALVE CLASS 600	\$2,881.80	089784	SHAFT	\$544.88
089448	MACHINE ADPATER - CC OR C1 MACHINE X 8" STD GATE VALVE CLASS 600	\$3,520.77	089870	MACHINE ADAPTER - E5 MACHINE X 1 1/2" OUTSIDE IP THREAD X 4 5/8" LONG	\$214.99
089498	INDICATOR	\$1,765.16	089876	MACHINE ADAPTER - D5 MACHINE X 1 1/2" OUTSIDE IP THREAD X 5" LONG	\$428.30
089568	RUBBER STOPPER	\$84.36	089877	RUBBER STOPPER	\$186.81
089569	RUBBER STOPPER	\$85.21	089945	RUBBER STOPPER	\$477.63
089570	CHIP SWEEPER	\$279.07	089946	MACHINE ADAPTER - D5 MACHINE X 3" GATE VALVE X 8 1/8" LONG	\$530.50
089618	REPLACEMENT COVER KIT	\$123.72	089947	RUBBER STOPPER	\$508.89
089619	REPLACEMENT COVER KIT	\$123.72	089948	MACHINE ADAPTER - D5 MACHINE X 4" GATE VALVE X 9.188" LONG	\$433.97
089620	REPLACEMENT COVER KIT	\$175.16	089994	RUBBER STOPPER	\$277.17
089621	REPLACEMENT COVER KIT	\$171.15	089995	RUBBER STOPPER	\$324.72
089622	REPLACEMENT COVER KIT	\$204.31	090103	BOLT	\$9.66
089623	REPLACEMENT COVER KIT	\$320.33	090305	HEX SOCKET SET SCREW	\$1.47
089632	MACHINE ADAPTER - C1-36 MACHINE TO 9" GATE VALVE	\$3,160.27	090322	WRENCH	\$2.16
089637	SHAFT	\$98.75	090325	WRENCH	\$7.02
089638	SHAFT TUBE ASSEMBLY	\$102.10	090377	PIN	\$1.06
089679	EZ RELEASE INSERTING TOOL	\$373.55	090409	SCREW DRIVER	\$33.61
089694	4" STEEL WEDGE STOPPER	\$2,736.24	090472	SCREW	\$6.01
089696	6" "STANDARD WALL" STEEL WEDGE STOPPER	\$3,938.99	090515	COTTON WASTE	\$3.65
089698	8" "STANDARD WALL" STEEL WEDGE STOPPER	\$4,833.92	090812	WRENCH	\$31.66
089700	6" "THIN WALL"STEEL WEDGE STOPPER	\$4,579.38	091664	WRENCH	\$48.68
089702	8" "THIN WALL" STEEL WEDGE STOPPER	\$5,716.68	091665	SCREW	\$10.93

PART NUMBER	DESCRIPTION	LIST PRICE	PART NUMBER	DESCRIPTION	LIST PRICE
92005	WOODEN BOX	\$153.39	098225	KEY	\$1.81
092323	SCREW	\$2.91	098229	KEY	\$1.69
092375	SCREW	\$1.47	098423	SCREW	\$1.69
092378	SCREW	\$1.97	098429	SCREW	\$1.48
092481	SCREW	\$1.48	098430	SCREW	\$1.54
092576	WASHERS	\$1.44	098522	SCREW	\$2.51
092741	SCREW	\$1.38	098570	SCREW	\$7.51
092754	SCREW	\$3.66	098829	WOODEN BOX	\$267.54
092890	SET SCREW	\$1.69	098873	SCREW	\$5.64
094341	WINGNUT	\$2.95	098928	PIN	\$1.52
094720	NUT	\$4.19	098941	KEY	\$1.69
094825	NUT	\$1.52	098956	SCREW	\$2.80
095257	MACHINE SCREW	\$0.27	098957	SCREW	\$7.30
096485	COTTER PIN	\$0.59	099022	SCREW	\$3.45
096536	WRENCH	\$41.22	099023	SCREW	\$2.35
096993	HEX SOCKET SET SCREW	\$1.52	099410	KEY	\$6.10
097187	ELBOW	\$50.37	099803	WRENCH	\$5.15
097189	UNION	\$69.53	190703	SCREW	\$1.64
097201	ELBOW POA	\$8.25	300190	KEY	\$1.47
097763	ALLEN SET SCREW	\$1.06	301149	CUP SCREW	\$1.06
097795	SCREW	\$2.35	301169	SCREW	\$0.83
097902	LOCK WASHERS	\$3.69	301170	SCREW	\$0.87
098000	SPRING	\$22.14	301567	SCREW	\$2.44
098001	SPRING	\$23.71	301780	SCREW	\$1.31
098223	KEY	\$1.38	302253	SCREW	\$3.26
098224	KEY	\$1.41	302575	SCREW	\$1.81

PART NUMBER	DESCRIPTION	LIST PRICE	PART NUMBER	DESCRIPTION	LIST PRICE
305006	SCREW	\$2.35	500654	PLUG	\$6.27
305103	CAPSCREW	\$1.06	500655	SCREEN	\$19.89
305105	CAPSCREW	\$1.35	500657	PLUG	\$1.52
305535	KEY	\$3.59	500666	STEM	\$64.22
305537	KEY	\$4.13	500667	NUT	\$18.93
305539	KEY	\$1.60	500668	HANDLE	\$18.54
305751	CARTON	\$1.55	500669	NUT	\$4.83
305852	SCREW	\$1.06	500670	O RING	\$8.53
309341	HEAD CUP POINT	\$0.27	500671	GATE	\$27.86
311808	O-RING	\$2.13	500672	ARM	\$39.96
311818	O-RING	\$0.72	500673	WASHER	\$6.01
500009	CONCAVE FOLLOWER	\$20.50	500674	STEM	\$41.57
500021	VALVE ADAPTER	\$2,980.70	500675	SCREW	\$2.35
500029	MACHINE ADAPTER - D5 MACHINE X 2 1/2" OUTSIDE IP THREAD X 7 13/16" LONG	\$302.03	500676	NUT	\$4.59
500056	RUBBER	\$17.26	500682	CYLINDER	\$264.84
500527	PIN	\$1.24	500683	YOKE	\$139.29
500528	COLLAR	\$24.61	500684	HANDLE BAR	\$77.92
500553	SHELL CUTTER	\$878.41	500685	CAP	\$313.49
500557	BUSHING	\$172.43	500687	RING	\$8.53
500560	SHAFT FERRULE	\$61.20	500691	SLEEVE	\$47.33
500561	PLUG	\$48.92	500692	BEARING	\$69.43
500632	SEAL	\$31.16	500693	PIN	\$22.43
500633	BEARING	\$43.96	500694	SCREW	\$7.04
500635	PIN	\$1.47	500699	BODY	\$90.27
500652	O RING	\$5.85	500700	PIN	\$19.19
500653	SCREW	\$7.30	500701	KNOB	\$9.64

PART NUMBER	DESCRIPTION	LIST PRICE	PART NUMBER	DESCRIPTION	LIST PRICE
500702	PIN	\$1.06	500803	PIN	\$6.66
500703	BUSHING	\$31.35	500851	DETENT	\$9.02
500704	HANDLE BAR	\$53.70	500853	DETENT	\$10.89
500706	NUT	\$24.82	500872	SPRING	\$13.14
500707	WASHER	\$10.65	500887	RING	\$14.86
500708	WRENCH	\$25.22	500889	REAR LIFT YOLK	\$21.13
500709	HOOK	\$57.91	500894	STUD BOLT	\$17.51
500712	RING	\$17.46	500897	RETAINER	\$249.55
500713	CAP	\$162.74	501061	SCREW	\$40.70
500725	REAMER	\$207.86	501075	COMPLETION CAP	\$6.27
500726	REAMER	\$250.20	501129	PIN	\$0.32
500728	MACHINE ADAPTER - F1 MACHINE X 3/4" IP THREAD X 2 3/8" LONG	\$49.16	501132	BORING BAR SLEEVE	\$49.33
500729	MACHINE ADAPTER - F1 MACHINE X 1" IP THREAD X 2 5/8" LONG	\$112.80	501133	BAR	\$484.48
500751	SHAFT FERRULE	\$27.93	501136	SHAFT	\$55.66
500752	PLUG	\$24.94	501139	PLUG	\$29.46
500754	SHAFT FERRULE	\$32.12	501140	PLUG	\$56.54
500755	PLUG	\$33.99	501144	PIN	\$1.06
500758	SHAFT FERRULE	\$22.76	501151	GLAND	\$285.66
500759	RUBBER PLUG	\$30.45	501153	SEAL	\$29.17
500774	SPRING	\$12.13	501154	SEAL	\$2.95
500775	COLLAR	\$11.17	501155	SEAL	\$2.08
500776	COLLAR	\$14.43	501156	SEAL	\$6.37
500777	SHAFT SLEEVE	\$16.59	501157	SEAL	\$9.06
500778	INDICATOR SLEEVE	\$42.43	501158	RING	\$33.63
500779	PIN	\$2.64	501179	SHAFT FERRULE	\$114.05
500780	CHAIN	\$106.79	501180	NUT	\$15.50

PART NUMBER	DESCRIPTION	LIST PRICE	PART NUMBER	DESCRIPTION	LIST PRICE
501181	HANDLE	\$112.04	501642	DRILL	\$169.16
501182	WASHER	\$6.90	501679	FEED SLEEVE	\$218.30
501183	PLUG	\$51.39	501680	SLEEVE	\$393.35
501204	RETAINING RING ONLY	\$10.63	501717	ADAPTER	\$115.62
501205	BARREL O RING	\$3.08	501718	ADAPTER	\$152.32
501223	VALVE ADAPTER	\$1,496.09	501721	RUBBER	\$30.20
501224	VALVE ADAPTER	\$1,424.86	501738	DRILL HOLDER	\$107.44
501261	SPINDLE	\$435.00	501739	MACHINE ADAPTER - E5 MACHINE X 2" OUTSIDE IP THREAD X 7 15/16" LONG	\$144.63
501273	RING	\$8.28	501754	REAMER	\$248.96
501274	PACKING	\$8.28	501825	RUBBER	\$20.58
501282	SCREW	\$6.27	501829	RUBBER	\$34.74
501283	SCREW	\$6.69	501835	SHELL CUTTER	\$245.14
501295	NUT	\$73.30	501836	ARBOR	\$101.44
501296	NUT	\$90.26	501837	DRILL	\$103.10
501361	VALVE ADAPTER	\$3,273.54	501929	DETENT	\$21.43
501373	SCREW	\$1.54	501932	SPRING	\$18.86
501419	O-RING	\$4.77	501982	VALVE ADAPTER	\$3,012.28
501452	MACHINE ADAPTER - D5 MACHINE X 2" OUTSIDE IP THREAD X 5 1/2" LONG	\$130.40	501996	MACHINE ADAPTER - D5 MACHINE X 2" INSIDE IP THREAD X 6" LONG	\$164.13
501483	BORING BAR ADAPTER	\$87.98	501997	FORK	\$100.30
501497	DETENT	\$34.86	502022	BORING BAR	\$476.33
501498	RETAINER	\$12.64	502025	PIVOT ARM	\$36.06
501545	ARBOR	\$106.02	502026	SPRING	\$11.11
501579	WRENCH	\$30.12	502027	ROLL PIN	\$1.24
501586	BUSHING	\$29.22	502028	SCREW	\$4.81
501609	BODY	\$136.32	502029	NUT	\$11.45
501641	DRILL	\$182.37	502044	PLUG	\$71.64

PART NUMBER	DESCRIPTION	LIST PRICE	PART NUMBER	DESCRIPTION	LIST PRICE
502046	BODY ONLY	\$386.66	502513	DRILL - 1/4" DIAMETER X 2 1/16" LONG TWIST DRILL	\$35.14
502064	CLAMP BARS	\$16.07	502514	DRILL	\$67.40
502065	CLAMP BARS	\$20.41	502515	DRILL - 3/8" DIAMETER X 2 1/16" LONG TWIST DRILL	\$81.83
502069	PIN	\$0.53	502516	DRILL	\$124.68
502232	BUSHING	\$40.41	502517	DRILL	\$123.39
502260	TOOL	\$135.02	502552	COMPLETION PLUG	\$91.97
502263	PLUG	\$62.56	502572	ADAPTER	\$955.82
502289-	VALVE ADAPTER	\$1,288.08	502573	THROTTLE	\$902.86
502290	VALVE ADAPTER	\$2,640.44	502605	WRENCH	\$57.06
502415	SHAFT FERRULE	\$753.34	502753	NUT	\$1.69
502481	CAP	\$51.84	502778	SPRING	\$12.51
502496	SHANK	\$160.46	502900	TOOL HOLDER - 10" LONG - E-5 MACHINE	\$99.40
502497	FORK	\$78.63	502906	PILOT DRILL - 4" LONG	\$32.12
502500	DRILL HOLDER - 3 13/16" LONG - T MACHINE	\$138.31	502908	SHANK	\$91.46
502501	DRILL HOLDER - 9 1/8" LONG - E-5 MACHINE	\$110.41	502912	BRUSH - CHIP SWEEPER	\$21.07
502502	DRILL HOLDER - 11-3/4" LONG 1/8" - 1/2" DRILLS T-MACHINE	\$207.39	502916	PLUG	\$29.35
502503	NUT	\$50.65	502919	PLUG	\$118.35
502504	GUIDE NUT	\$32.80	502929	CAP	\$33.74
502505	NUT	\$29.77	502932	PILOT DRILL	\$116.84
502506	NUT	\$38.70	502934	RETAINING SCREW	\$2.08
502507	NUT	\$45.32	502936	ADAPTER	\$31.98
502508	NUT	\$42.43	502937	DRILL HOLDER - 14 9/16" LONG - D-5 MACHINE	\$120.32
502509	NUT	\$46.90	502938	ADAPTER - ADAPTS D MACHINE BODY ADAPTERS TO E MACHINE 1 3/8" LONG	\$132.93
502510	DRILL	\$112.76	502939	BUSHING	\$229.57
502511	DRILL	\$126.34	502940	TOOL HOLDER - E-5 MACHINE TOOL HOLDER TO USE D-5 MACHINE TOOLS - 12 1/4" LONG	\$88.18
502512	DRILL - 3/16" DIAMETER X 2 1/16" TWIST DRILL	\$78.05	502941	TOOL HOLDER - 12 7/8" LONG	\$100.89

PART NUMBER	DESCRIPTION	LIST PRICE	PART NUMBER	DESCRIPTION	LIST PRICE
502944	COMPLETION CAP	\$28.14	503287	COLLAR PIN	\$1.44
502946	PLUG	\$94.69	503319	BUSHING	\$78.18
502978	TOOL HOLDER - E-5 MACHINE TOOL HOLDER TO USE D-5 MACHINE TOOLS - 10" LONG	\$110.73	503324	PIN	\$0.66
502979	TOOL HOLDER - 10 3/4" LONG - E-5 MACHINE	\$116.83	503326	BUSHING	\$74.50
502991	O RING	\$1.03	503341	DETENT	\$17.99
503001	SEAL	\$9.46	503370	DRILL HOLDER - 7 29/32" LONG - E-5 MACHINE	\$114.39
503002	ADAPTER	\$76.66	503372	DRILL - 1/8" DIAMETER X 3 1/4" LONG - E5 & T MACHINE	\$104.96
503080	BUSHING	\$46.43	503373	DRILL	\$121.64
503098	CAP	\$9.08	503374	DRILL	\$113.82
503109	COLLAR	\$23.42	503375	DRILL - 1/4" DIAMETER X 3 1/4" LONG - E-5 & T MACHINE	\$44.09
503110	FORK	\$162.92	503376	DRILL - 5/16" DIAMETER X 3 1/4" LONG E-5 & T MACHINE	\$252.81
503111	FORK	\$162.92	503377	DRILL	\$109.44
503125	PLUG	\$2.35	503378	NUT	\$42.56
503141	BORING BAR LESS COLLAR, PIN & NUT	\$364.58	503428	STOPPER HOLDER - 4" LONG - T MACHINE	\$52.57
503146	DRILL - 5/8" DIAMETER X 4 1/4" LONG - E-5 MACHINE	\$193.56	503431	STOPPER HOLDER - 5" LONG - E-5 MACHINE	\$66.51
503147	BODY	\$1,284.35	503433	STOPPER HOLDER - 7 11/16" LONG - E-5 MACHINE	\$99.46
503148	CAP	\$251.41	503435	MACHINE ADAPTER - E5 MACHINE X 1 1/2" OUTSIDE IP THREAD X 4 5/8" LONG	\$98.60
503149	SLEEVE	\$493.40	503438	NUT	\$1.49
503150	BORING ARM - LESS FRICTION COLLAR, PIN & RETAINING NUT	\$724.13	503439	NUT	\$2.07
503158	PIN	\$1.69	503440	RUBBER PLUG	\$25.63
503159	BODY	\$316.32	503441	RUBBER PLUG	
503160	BAR	\$119.25	503442	RUBBER PLUG	\$24.15
503161	BAR	\$220.67	503465	FERRULE	\$23.52
503162	WHEEL	\$156.29	503466	PLUG	\$57.09
503163	BUSHING	\$31.53	503475	SHELL CUTTER	\$166.83
503164	O RING	\$3.01	503476	SHELL CUTTER	\$185.78

PART NUMBER	DESCRIPTION	LIST PRICE	PART NUMBER	DESCRIPTION	LIST PRICE
503477	SHELL CUTTER	\$183.46	504333	SCREW	\$1.86
503495	STOPPER HOLDER - 4 5/16" LONG	\$71.85	504349	STRAP - 2" H-17191 MECHANICAL FITTING	\$20.00
503496	STOPPER HOLDER - 4 5/16" LONG - H- 17135	\$71.85	504352	O RING	\$3.82
503499	MACHINE ADAPTER - H-17135 MACHINE X 3" OUTSIDE IP THREAD X 6 15/16" LONG	\$309.09	504353	O RING	\$21.68
503620	STEM	\$69.90	504354	O RING	\$22.21
503621	BUSHING	\$33.76	504387	MACHINE ADAPTER - D5 MACHINE X 2" OUTSIDE IP THREAD X 9 1/4" LONG	\$201.35
503637	ARBOR	\$68.06	504490	STEEL SHUT OFF TOOL	\$135.36
503638	ARBOR	\$63.56	504550	MACHINE SCREW	\$0.60
503642	MANDREL	\$26.31	504645	BODY - 1" H-17040	\$108.73
503643	ARBOR	\$79.78	504649	BODY - 1 1/4" H-17040	\$103.77
503670	RUBBER PLUG	\$86.68	504867	FORK - EZ RELEASE INSERTING TOOL - 2" H-17265 SERVICE STOP TEES	\$109.98
503680	MACHINE ADAPTER - E5 MACHINE X 2" OUTSIDE IP THREAD X 7 5/8" LONG	\$151.86	504961	COVERING	\$63.80
503681	MACHINE ADAPTER - D5 MACHINE X 2" OUTSIDE IP THREAD X 6 1/4" LONG	\$113.21	504962	COVERING	\$86.27
503699	PIN	\$1.69	504963	COVERING	\$129.05
503703	HOLDER	\$139.21	504964	COVERING	\$124.57
503708	T HEAD BOLT	\$9.28	504965	COVERING	\$159.52
503709	T HEAD BOLT	\$9.63	504966	COVERING	\$259.08
503715	PIN	\$3.69	504976	YOKE	\$6.87
503722	FERRULE	\$31.78	504977	YOKE	\$8.76
503723	PLUG	\$44.58	504978	PIN	\$6.24
504102	SHAFT	\$1,159.62	504979	PIN	\$10.00
504104	SCREW	\$1,505.75	505094	2" GATE ONLY	\$96.78
504133	HOLDER	\$71.85	505095	2 1/2" GATE ONLY	\$147.02
504222	SHELL CUTTER	\$282.07	505096	3" GATE ONLY	\$128.85
504223	SHELL CUTTER	\$480.63	505097	4" GATE ONLY	\$169.74
504224	SHELL CUTTER	\$833.89	505099	BODY GASKET - 2" H-10917 OLD STYLE	\$8.16

PART NUMBER	DESCRIPTION	LIST PRICE	PART NUMBER	DESCRIPTION	LIST PRICE
505100	BODY GASKET - 2 2/2" H-10917 OLD STYLE	\$5 .15	508431	PACKING	\$12.53
505101	BODY GASKET - 3" H-10917 OLD STYLE	\$11.00	508438	THRUST WASHER	\$25.14
505102	BODY GASKET - 4" H-10917 OLD STYLE	\$13.36	508537	GLAND	\$66.08
505518	NIPPLE	\$2.45	508538	GLAND	\$48.23
505554	SPACER	\$206.54	508691	CHIP SWEEPER ADAPTER	\$85.06
505555	SLEEVE	\$197.11	508692	CHIP SWEEPER ADAPTER	\$71.06
505832	MACHINE ADAPTER - D5 MACHINE X 4" INSIDE IP THREAD X 3 5/16" LONG	\$435.46	508701	MANDREL	\$30.51
505845	MANDREL	\$45.36	509446	PLUG	\$177.12
505846	PLUG	\$79.84	509447	PLUG	\$259.47
505847	MANDREL	\$46.13	509448	PLUG	\$318.06
505848	PLUG	\$113.13	509449	PLUG	\$491.36
506851	SCREW	\$287.66	509450	PLUG	\$722.84
506852	NUT	\$42.14	509488	4" BODY BOTTOM H-10917	\$317.68
506853	SCREW	\$226.42	509491	2" BODY BOTTOM H-10917	\$122.57
506854	NUT	\$53.06	509493	3" BODY TOP H-10917	\$473.78
507050	YOKE	\$25.83	509495	2" BODY TOP H-10917	\$219.63
507160	SHAFT	\$187.27	509496	GASKET	\$34.63
507161	GEAR	\$3,514.15	509497	GASKET	\$28.38
507162	PIN	\$0.53	509498	GASKET	\$26.48
507781	BUSHING	\$62.46	509499	GASKET	\$7.71
507782	BUSHING	\$76.91	509741	2" CUTTER HOLDER	\$136.85
507783	BUSHING	\$105.44	509742	DRILL HOLDER - 18" LONG - D-5 MACHINE	\$146 .15
507784	BUSHING	\$1 58.11	509743	DRILL HOLDER - 20 1/16" LONG - D-5 MACHINE	\$149.17
508427	SPACER	\$111.22	514258	TAPERED SCREW PLUG	\$3.80
508429	O-RING	\$1.69	514259	TAPERED SCREW PLUG	\$5.13
508430	O-RING	\$1.20	514260	TAPERED SCREW PLUG	\$8.23

PART NUMBER	DESCRIPTION	LIST PRICE	PART NUMBER	DESCRIPTION	LIST PRICE
514261	TAPERED SCREW PLUG	\$8.82	580900	RUBBER STOPPER	\$111.84
528273	B-101 HANDLE SUB ASSEMBLY	\$286.25	580902	CHIP SWEEPER	\$236.40
580477	COLLAR	\$201.57	580904	ARBOR - 1 7/16" SHELL CUTTER - 2 1/2" LONG	\$127.06
580478	HANDLE	\$291.23	580905	RUBBER STOPPER	\$333.46
580550	B-101 FLAT LINK CHAIN HOOK W/NUT FOR B-101	\$178.83	580906	MACHINE ADAPTER - D5 MACHINE X 4" GATE VALVE X 9 3/16" LONG	\$409.42
580551	B-101 FLAT LINK CHAIN & EYEBOLT W/NUT FOR PIPE UP TO 12"	\$555.62	580907	ARBOR - 3 3/4" SHELL CUTTER	\$182.73
580585	PILOT DRILL - 10 1/4" LONG	\$357.72	580908	INSERTING TOOL	\$358.39
580586	PILOT DRILL - 12" LONG	\$496.52	580909	EXTRACTING TOOL	\$627.80
580602	EXTRACTION TOOL	\$317.22	580912	EQUALIZING VALVE - 4" COMPLETION PLUG	\$13.74
580609	B-101 BORING BAR COMPLETE	\$545.04	580913	EXTRACTING TOOL	\$610.25
580610	COLLAR	\$140.32	580917	RUBBER STOPPER	\$267.70
580611	B-101 FEED NUT & YOKE ASSEMBLY	\$324.20	580918	MACHINE ADAPTER - D5 MACHINE X 3" GATE VALVE X 8 1/8" LONG	\$292.08
580657	RUBBER STOPPER LUBRICANT - 1.00 LB CAN	\$14.63	580919	EXTRACTING TOOL	\$304.20
580679	SHELL CUTTER	\$297.17	580921	TOOL	\$326.05
580685	GEAR LUBE	\$43.83	580922	EXTRACTING TOOL	\$267.44
580686	DEFERRED COMPLETION STOPPER 1-1/4IN H17500 TEES	\$149.21	580931	MACHINE ADAPTER - DH5 X 3" GATE VALVE X 6 5/8" LONG	\$695.50
580699	DEFERED COMPLETION STOPPER	\$227.94	580932	INSERTING TOOL FOR RUBBER STOPPER	\$243.82
580759	EXTRACTION TOOL	\$164.42	580940	INSERTING TOOL	\$328.13
580760	INSERTING TOOL	\$321.49	580941	EXTRACTING TOOL	\$328.13
580766	DEFERRED COMPLETION STOPPER 2" H17500 TEES	\$322.29	580945	BORING BAR - COMPLETE WITH FRICTION COLLAR & ROLL PIN	\$490.34
580815	TOP BEARING & ADAPTER SUB	\$304.20	580946	FEED TUBE & YOLK	\$603.68
580892	A-3 FEED SLEEVE ASSEMBLY	\$1,637.25	580948	DRILL & HOLDER - 1/4" DIAMETER X 10" LONG - E-5 MACHINE	\$153.73
580893	BORING BAR ASSEMBLY COMPLETE FOR A-3 MACHINE WITH COLLAR & ROLLPIN	\$867.06	580949	DRILL & HOLDER - 5/16" DIA X 10" LONG - E-5 MACHINE	\$187.95
580895	FEED TUBE & YOKE	\$549.40	580950	DRILL & HOLDER - 3/8" DIAMETER X 10" LONG - E-5 MACHINE	\$203.24
580897	RATCHET HANDLE	\$386.67	580951	INSERTING TOOL	\$155.30
580898	FEED NUT & YOLK	\$225.12	580952	EXTRACTING TOOL	\$161.11

PART NUMBER	DESCRIPTION	LIST PRICE	PART NUMBER	DESCRIPTION	LIST PRICE
580954	COMBINED DRILL & HOLDER	\$142.20	680421	EZ RELEASE INSERTING TOOL 1 1/2"	\$608.39
580955	DRILL & HOLDER - 5/16" DIAMETER X 10" LONG - E-5 MACHINE	\$158.39	680422	EZ RELEASE INSERTING TOOL 2"	\$659.05
580956	COMBINED DRILL & HOLDER	\$155.76	680427	SHELL CUTTER	\$459.53
580957	COMBINED DRILL & HOLDER	\$215.87	680428	SHELL CUTTER	\$486.84
580958	EXTRACTING TOOL	\$164.42	680513	BY-PASS RUBBER STOPPER	\$334.97
580959	INSERTING TOOL	\$154.89	680514	BY-PASS RUBBER STOPPER	\$358.50
580969	D-5 METAL CHEST	\$245.43	680515	BY-PASS RUBBER STOPPER	\$775.76
580971	E-5 METAL CHEST	\$363.89	680516	BY-PASS RUBBER STOPPER	\$1,485.54
580991	BORING BAR	\$1,801.54	680517	BY-PASS RUBBER STOPPER	\$2,039.45
580992	COLLAR	\$201.58	680533	COMBINED DRILL & TAP	\$249.21
580994	FEED TUBE & YOKE	\$998.99	680535	COMBINED DRILL & TAP	\$201.19
580999	BORING BAR	\$412.77	680536	COMBINED DRILL & TAP	\$258.83
581264	COMPLETION PLUG WRENCH	\$66.40	680569	COMBINED DRILL & TAP	\$282.89
581286	BORING BAR COMPLETE WITH COLLAR & ROLLPIN	\$685.40	680570	COMBINED DRILL & TAP	\$350.39
581293	BORING BAR	\$691.36	680571	COMBINED DRILL & TAP	\$366.19
581302	B MACHINE BORING BAR COMPLET WITH COLLAR & NUT	\$466.00	680572	COMBINED DRILL & TAP	\$357.61
581352	PLUGGING UNIT	\$592.22	680573	COMBINED DRILL & TAP	\$210.09
581353	SHAFT TUBE SUB ASSEMBLY 1/2" X 3/4" #17010 MODEL #2	\$121.40	680574	COMBINED DRILL & TAP	\$242.67
581602	MUFFLER - H-600 MODEL #1	\$118.58	680581	COMBINED DRILL & TAP	\$177.42
581603	MUFFLER - H-604 AIR MOTOR	\$47.48	680582	COMBINED DRILL & TAP	\$220.35
581760	SHELL CUTTER	\$182.87	680586	3/4" IP CDXT FOR A3/B101 - ST/C1 PIPE	\$341.72
581761	SHELL CUTTER	\$182.87	680587	1" IP CDXT FOR A3/B101 - ST/CI PIPE	\$344.25
581974	PACKING GLAND - CC & C1 MACHINES	\$574.22	680594	SCREW PLUG	\$229.99
680350	CHEST	\$233.91	680595	SCREW PLUG	\$186.47
680356	TOUCH UP KIT	\$25.47	680596	SCREW PLUG	\$191.64
680360	THREAD CLEANING TOOL	\$365.55	680597	SCREW PLUG	\$271.80

PART NUMBER	DESCRIPTION	LIST PRICE	PART NUMBER	DESCRIPTION	LIST PRICE
680598	SCREW PLUG	\$176.18	680633	SCREW PLUG	\$344.98
680599	SCREW PLUG	\$181.66	680634	SCREW PLUG	\$350.47
680600	SCREW PLUG	\$152.71	680635	SCREW PLUG	\$350.34
680601	SCREW PLUG	\$183.63	680636	SCREW PLUG	\$481.05
680602	SCREW PLUG	\$523.41	680638	SCREW PLUG	\$375.05
680603	SCREW PLUG	\$200.29	680639	SCREW PLUG	\$368.08
680604	SCREW PLUG	\$248.90	680640	SCREW PLUG	\$311.68
680609	SCREW PLUG	\$211.66	680641	SCREW PLUG	\$361.60
680611	SCREW PLUG	\$185.87	680642	SCREW PLUG	\$592.57
680612	SCREW PLUG	\$248.76	680643	SCREW PLUG	\$127.35
680614	SCREW PLUG	\$512.51	680644	SCREW PLUG	\$79.05
680615	SCREW PLUG	\$512.51	680645	SCREW PLUG	\$197.42
680616	SCREW PLUG	\$411.85	680646	SCREW PLUG	\$152.71
680617	SCREW PLUG	\$464.58	680647	SCREW PLUG	\$196.11
680618	SCREW PLUG	\$441.60	680654	SCREW PLUG	\$216.90
680619	SCREW PLUG	\$463.89	680655	SCREW PLUG	\$214.67
680620	SCREW PLUG	\$469.73	680672	COMBINED DRILL & TAP	\$580.57
680621	SCREW PLUG	\$407.02	680676	TAP	\$294.05
680622	SCREW PLUG	\$311.43	680688	SCREW PLUG	\$257.76
680623	SCREW PLUG	\$278.73	680689	SCREW PLUG	\$411.11
680624	SCREW PLUG	\$293.88	681178	PLUGGING UNIT	\$730.94
680626	SCREW PLUG	\$337.08	681265	GUIDE	\$115.00
680628	SCREW PLUG	\$272.33	681300	SHAFT SUB ASSEMBLY	\$92.41
680630	SCREW PLUG	\$72.08	681301	SHAFT TUBE SUB ASSEMBLY	\$236.57
680631	SCREW PLUG	\$85.42	681376	SHELL CUTTER WITH HUB	\$1,419.92
680632	SCREW PLUG	\$94.00	681427	PLUGGING UNIT	\$543.32

PART NUMBER	DESCRIPTION	LIST PRICE	PART NUMBER	DESCRIPTION	LIST PRICE
681429	SHAFT	\$122.63	681989 ^{2"}	2" BOTTOM STOPPER	\$609.61
681430	PLUGGING UNIT	\$730.94	681990 ^{3"}	3" BOTTOM STOPPER	\$1,872.84
681492	COMBINED DRILL & TAP	\$348.21	681991 4"	4" BOTTOM STOPPER	\$2,247.42
681493	COMBINED DRILL & TAP	\$419.11	681992 4"	4" BOTTOM STOPPER	\$2,528.34
681494	COMBINED DRILL & TAP	\$527.11	681993 ^{6"}	6" BOTTOM STOPPER	\$2,996.55
681502	COMBINED DRILL & TAP	\$1,744.31	681994 ^{6"}	6" BOTTOM STOPPER	\$3,277.48
681503	COMBINED DRILL & TAP	\$367.03	681995 ^{8"}	8" BOTTOM STOPPER	\$3,698.87
681504	COMBINED DRILL & TAP	\$414.34	681996 ^{8"}	8" BOTTOM STOPPER	\$4,120.26
681505	COMBINED DRILL & TAP	\$580.45	681997	10" & 12" BOTTOM STOPPER	\$4,862.22
681506	COMBINED DRILL & TAP	\$957.60	682048	COMBINED DRILL & TAP	\$139.59
681507	COMBINED DRILL & TAP	\$344.93	682053	BY-PASS VALVE - B 101 & B 100 MACHINES	\$87.60
681508	COMBINED DRILL & TAP	\$462.06	682054	BY-PASS VALVE - H-10917 SLIDE GATE VALVES	\$53.38
681509	COMBINED DRILL & TAP	\$580.15	682080	MAGNET CHIP REMOVAL KIT	\$24.48
681528	ADAPTER	\$3,110.49	682081	MAGNET CHIP REMOVAL KIT	\$34.17
681569	CLAMP COLLAR	\$129.38	682087	BY-PASS VALVE KIT - B 101 & B 100	\$102.21
681765	GASKET REPAIR KIT	\$48.29	682088	BY-PASS VALVE KIT - H-10917 SLIDE GATE VALVES	\$77.32
681794	GASKET REPAIR KIT	\$47.41	682089	BY-PASS VALVE FOR H-17025 CONTROL CHAMBER	\$78.91
681795	GASKET REPAIR KIT	\$47.70	682263	1 1/4" SHELL CUTTER & TAP	\$609.92
681796	GASKET REPAIR KIT	\$48.08	682264	1 1/2" SHELL CUTTER & TAP	\$625.28
681843	A-3 REPAIR KIT	\$168.82	682265	2" SHELL CUTTER & TAP	\$1,009.05
681845	D-5 REPAIR KIT	\$162.20	682272	REPLACEMENT KIT - BY-PASS VALVE	\$220.76
681846	E-5 REPAIR KIT	\$162.06	682276	MAGNETIC CHIP REMOVAL TOOL FOR B101	\$129.41
681970	SHELL CUTTER	\$609.92	682337 ^{6"}	FLANGED TEE STOPPER	\$1,246.69
681971	SHELL CUTTER	\$625.28	682339 ^{8"}	FLANGED TEE STOPPER	\$2,089.65
681972	SHELL CUTTER	\$1,009.05	682562	BY-PASS VALVE FOR B-101 MACHINE	\$84.86
681973	SHELL CUTTER	\$1,149.67	682586	INSERTING/EXTRACTING TOOL FOR 10" & 12" PIG PLUG INSERTS	\$776.06

PART N	JMBER	DESCRIPTION	LIST PRICE	PART NUMBER
682643	10"	10" PIG PLUG INSERT	\$1,494.26	
682644	12"	12" PIG PLUG INSERT	\$1,666.46	
682724		INSERTING/EXTRACTING TOOL FOR 8" PIG PLUGS	\$565.38	
682772	8"	8" PIG PLUG-SOLID BOTTOM FOR STANDARD WALL FITTING	\$1,396.96	
682773	8"	8" PIG PLUG-SOLID BOTTOM FOR THIN WALL FITTING	\$1,396.96	
682774	10"	10" PIG PLUG-SOLID BOTTOM	\$1,691.43	
682775	12"	12" PIG PLUG-SOLID BOTTOM	\$1,806.86	
088611		5" GATE VALVE USED WITH UNIT #2 STOPPING MACHINE	\$6,205.88	
083953		GATE VALVE - 9 1/4" BORE - USED WITH UNIT 3 & 3SW STOPPING MACHINES	\$7,443.86	
083721		9" GATE VALVE - USED WITH 3SW-500 STOPPING MACHINE	\$17,861.45	
083318		14" GATE VALVE USED WITH 4SW STOPPING MACHINE	\$25,515.61	

DESCRIPTION

LIST PRICE

RECOMMENDATION:

Adopt Specifications No. PA-00712 and award contract to Independent Utility Supply, for the furnishing and delivering Mueller gas control fittings and equipment as needed, in an annual amount not to exceed \$225,000, with the option to renew for two additional one-year periods, at the discretion of the City Manager. (Citywide)

City Council approval is being requested to enter into an annual contract with Independent Utility Supply, for the purchase of as needed Mueller gas control fittings and equipment used by the Long Beach Gas and Oil Department (LBGO). Mueller gas control fittings are specialized pipeline components used by LBGO to safely control the flow of natural gas to maintain the City's natural distribution system.

Fiscal Impact

LBGO estimates the annual need for Mueller gas control fittings and equipment will not exceed \$225,000. The entire amount is budgeted in the Gas Fund (EF 301) in the Long Beach Gas and Oil Department (GO)