



Bid Number 50 - 126989

**TWO (2) YEAR CONTRACT FOR A SUPPLY OF SEWER CLEANER HOSES
AND RELATED ITEMS FOR THE JEFFERSON PARISH DEPARTMENT OF
PUBLIC WORKS – SEWERAGE AND WATER ALL DIVISIONS.**

JULY 18, 2019 AT 2:00 PM

ATTENTION VENDORS!!!

**Please review all pages and respond accordingly, complying with all provisions
in the technical specifications and Jefferson Parish Instructions for Bidders and
General Terms and Conditions. All bids must be received in the Purchasing
Department by the bid due date and time.**

**Jefferson Parish Purchasing Department
200 Derbigny Street
General Government Building, Suite 4400
Gretna, LA 70053
Donna Reamey
Dreamey@Jeffparish.net
504-364-2684**

DATE: 7/03/2019
BID NO.: 50-00126989

INVITATION TO BID
THIS IS NOT AN ORDER

Page: 1

JEFFERSON PARISH

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

BUYER: DREAMEY@jeffparish.net

BIDS WILL BE RECEIVED IN THE WEST BANK PURCHASING DEPT, SUITE 4400, JEFFERSON PARISH GENERAL GOVERNMENT BUILDING, 200 DERBIGNY STREET, GRETN, LA 70053 UNTIL 2:00 PM, 7/18/2019 AND PUBLICLY OPENED THEREAFTER. For convenience, bidders may also submit bids in the East Bank Purchasing Department, Suite 404, Jefferson Parish Joseph S. Yenni Building, 1221 Elmwood Park Blvd., Jefferson LA 70123. However, if submitting bids on the day of bid opening, bidders must submit at the West Bank location only. All bids will be publicly opened at the West Bank location.

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

LATE BIDS WILL NOT BE ACCEPTED

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

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

INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS

THE FOLLOWING INSTRUCTIONS APPLY TO ALL BIDS

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

Jefferson Parish adheres to the Louisiana Code of Governmental Ethics, contained in Louisiana Revised Statutes Annotated, R.S. 42:1101, et seq. Vendor/Proposer by this submission, warrants that there are no "conflicts of interest" related to this procurement that would violate applicable Louisiana Law. Violation of the Louisiana Code of Governmental Ethics may result in rescission of contract, permit or licenses, and the imposition of fines and/or penalties, without contractual liability to the public in accordance with applicable law.

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

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

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

Bidders should submit all questions in writing via email to the buyer's email address as indicated above, no later than Five (5) working days prior to the bid opening. Bid numbers should be mentioned in all requests. If submitting online, vendors may send questions via the E-Procurement site no later than Five (5) working days prior to the bid opening.

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

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

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

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

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

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

INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS

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

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

PROTESTS: Only those vendors that submit bids in response to this solicitation may protest any element of the procurement, in writing to the Director of the Purchasing Department. Written protest must be received within 48 hours of the release of the bid tabulation by the Purchasing Department. After consultation, the Parish Attorney's Office will then respond to protests in writing. (For more information, please see Chapter 2, Article VII, Division 2, Sec. 2-914.1 of the Jefferson Parish Code of Ordinances.)

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

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

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

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

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

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

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

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

INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS

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

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

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

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

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

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

ADDITIONAL REQUIREMENTS FOR THIS BID

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

10, 12, 13, 15

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

INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS

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

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

See Page 1 for Conflicts of Interest Statement

DATE: 7/03/2019

BID NO.: 50-00126989

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BID FORM
Non Public Works

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

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

Are you requesting an escalation provision?

YES X NO _____

MAXIMUM ESCALATION PERCENTAGE REQUESTED 3 %

INITIAL BID PRICES WILL REMAIN FIRM THROUGH THE DATE OF 7-31-20

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

DELIVERY: FOB JEFFERSON PARISH

INDICATE DELIVERY DATE ON EQUIPMENT AND SUPPLIES

As needed 1-2 business days

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

THIS SECTION MUST BE COMPLETED BY BIDDER:

FIRM NAME: Triton HydroTools

ADDRESS: 11210 S. Choctaw

CITY, STATE: Baton Rouge, LA.

ZIP: 70815

TELEPHONE: (800) 633-7696

FAX: (225) 275-1340

EMAIL ADDRESS: dbradford@shamrocktools.com

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

Acknowledge Receipt of Addenda: NUMBER: _____

NUMBER: _____

NUMBER: _____

NUMBER: _____

TOTAL PRICE OF ALL BID ITEMS: \$ 97,486.10

AUTHORIZED
SIGNATURE: Gregory Martin

TITLE: Managing Member

Gregory Martin

Printed Name

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

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

State of
Louisiana
Secretary of
State



COMMERCIAL DIVISION
225.925.4704

Fax Numbers
225.932.5317 (Admin. Services)
225.932.5314 (Corporations)
225.932.5318 (UCC)

Name	Type	City	Status
TRITON HYDROTOOLS, LLC	Limited Liability Company	DENHAM SPRINGS	Active

Previous Names

Business: TRITON HYDROTOOLS, LLC

Charter Number: 43402695K

Registration Date: 3/25/2019

Domicile Address

36277 LYNCHBURG DRIVE
DENHAM SPRINGS, LA 70706

Mailing Address

36277 LYNCHBURG DRIVE
DENHAM SPRINGS, LA 70706

Status

Status: Active

Annual Report Status: In Good Standing

File Date: 3/25/2019

Last Report Filed: N/A

Type: Limited Liability Company

Registered Agent(s)

Agent: GREGORY MARTIN
Address 1: 36277 LYNCHBURG DRIVE
City, State, Zip: DENHAM SPRINGS, LA 70706
Appointment Date: 3/25/2019

Officer(s)

Additional Officers: No

Officer: GREGORY MARTIN
Title: Member
Address 1: 36277 LYNCHBURG DRIVE
City, State, Zip: DENHAM SPRINGS, LA 70706

Officer: DAVID BRADFORD
Title: Member
Address 1: 12565 ARCHERY DRIVE
City, State, Zip: BATON ROUGE, LA 70815

Amendments on File

No Amendments on file

Print

INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00126989

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
			TWO (2) YEAR CONTRACT FOR A SUPPLY OF SEWER CLEANER HOSES AND RELATED ITEMS FOR THE JEFFERSON PARISH DEPARTMENT OF PUBLIC WORKS - SEWERAGE AND WATER ALL DIVISIONS.		
1	4.00	ROLL	0001 - 1/2 Inch Sewer Cleaner Hose (500) Ft. Roll SPT #LL-8/500	\$1,050.00	\$4,200.00
2	5.00	ROLL	0002 - 3/4 Inch Sewer Cleaner Hose (500) Ft. Roll SPT #HP12/500	\$1,465.00	\$7,325.00
3	12.00	ROLL	0003 - 1 Inch Sewer Cleaner Hose (500) Ft. Roll SPT #HP16/500	\$1,750.00	\$21,000.00
4	48.00	EA	0004 - Slipper Hose Guide with Eye and 24 Ft. Rope (3 Inch X 36 Inch) SPT #728	\$52.50	\$2,520.00
5	1.00	EA	0005 - 8 Inch Double Bolt-Power Clamp SPT #8PC	\$48.00	\$48.00
6	1.00	EA	0006 - 3 Inch Double Bolt-Power Clamp SPT #3PC	\$20.00	\$20.00
7	32.00	EA	0007 - 8 Inch Quick Clamp SPT #8QC	\$52.00	\$1,664.00
8	1.00	ROLL	0008 - 8 Inch X 6 Foot 10 Inch (Kanaflex) Hose SPT #KH8-82"	\$490.00	\$490.00
9	1.00	ROLL	0009 - 3 Inch X 30 Foot (Kanaflex) Hose SPT #KH3-30'	\$420.00	\$420.00
10	1.00	EA	0010 - Portable Hydraulic Swag Mender SPT #681	\$1,074.50	\$1,074.50
11	1.00	EA	0011 - Manual Double Bolt Crimper SPT #679	\$723.80	\$723.80
12	1.00	EA	0012 - Sanitary Nozzle 30 Degree (1/2 Inch Nozzle) SPT #84-D	\$184.80	\$184.80
13	1.00	EA	0013 - Sanitary Nozzle 30 Degree (3/4 Inch Nozzle) SPT #84-E	\$184.80	\$184.80

INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00126989

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
14	1.00	EA	0014 - Sanitary Nozzle 30 Degree (1 Inch Nozzle) SPT #84-F	\$184.80	\$184.80
15	1.00	EA	0015 - Penetrator and Sludge Grenade Nozzle (10 Degree and 30 Degree Combo) (1/2 Inch) SPT #64-D	\$173.60	\$173.60
16	1.00	EA	0016 - Penetrator and Sludge Grenade Nozzle (10 Degree and 30 Degree Combo) (3/4 Inch) SPT #64-E	\$173.60	\$173.60
17	1.00	EA	0017 - Penetrator and Sludge Grenade Nozzle (10 Degree and 30 Degree Combo) (1 Inch) SPT #64-F	\$200.20	\$200.20
18	1.00	EA	0018 - Chisel Point Nozzle (1/2 Inch) SPT #63-D	\$200.20	\$200.20
19	5.00	EA	0019 - Chisel Point Nozzle (3/4 Inch) SPT #63-E	\$261.80	\$1,309.00
20	1.00	EA	0020 - Chisel Point Nozzle (1 Inch) SPT #63-F	\$369.60	\$369.60
21	1.00	EA	0021 - HRH Cleaning Roto-Jet Nozzle (1/2 Inch) SPT #RR-8	\$377.30	\$377.30
22	1.00	EA	0022 - HRH Cleaning Roto-Jet Nozzle (3/4 Inch) SPT #RR-12	\$500.50	\$500.50
23	1.00	EA	0023 - HRH Cleaning Roto-Jet Nozzle (1 Inch) SPT #RR-161	\$770.00	\$770.00
24	15.00	EA	0024 - HRV Forward Cleaning Rotator Nozzle (1/2 Inch) SPT #FR-8	\$377.30	\$5,659.50
25	1.00	EA	0025 - HRV Forward Cleaning Rotator Nozzle (3/4 Inch) SPT # FR-12	\$500.50	\$500.50
26	1.00	EA	0026 - HRV Forward Cleaning Rotator Nozzle (1 Inch) SPT #FR-161	\$770.00	\$770.00

DATE: 7/03/2019

INVITATION TO BID FROM JEFFERSON PARISH - continued

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BID NO.: 50-00126989

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
27	1.00	EA	0027 - Bulldozer Nozzle (3/4 Inch) SPT #125-E	\$1,524.60	\$1,524.60
28	1.00	EA	0028 - Bulldozer Nozzle (1 Inch) SPT# 125-F	\$1,694.00	\$1,694.00
29	5.00	EA	0029 - Aluminum Sand/Storm Nozzle (3/4 Inch) SPT #35-E	\$191.40	\$957.00
30	15.00	EA	0030 - Aluminum Sand/Store Nozzle (1 Inch) SPT #140-F	\$223.30	\$3,349.50
31	1.00	EA	0031 - Carbide Replaceable Front Jet SPT #C13	\$19.60	\$19.60
32	1.00	EA	0032 - Carbide Replaceable Rear Jet SPT #C13	\$19.60	\$19.60
33	1.00	EA	0033 - Scraper (1/2 Inch) SPT #CHACUT-050-8K	\$2,057.00	\$2,057.00
34	1.00	EA	0034 - Scraper (3/4 Inch) SPT #CHACUT-050-12K	\$2,057.00	\$2,057.00
35	1.00	EA	0035 - Scraper (1 Inch) Skids SPT #CHACUT-1.5-16K	\$2,524.50	\$2,524.50
36	1.00	EA	0036 - Scraper (1 Inch) No Skids SPT #CHACUT-15-16	\$2,057.00	\$2,057.00
37	20.00	EA	0037 - Ultimate Penetrator Nozzle (3/4 Inch) SPT #83-E	\$295.20	\$5,904.00
38	1.00	EA	0038 - Front Relacement Carbide Jet for 3/4 Inch Ultimate Penetrator Nozzle SPT #C13	\$19.60	\$19.60
39	1.00	EA	0039 - Rear Replacement Carbide Jet for 3/4 Inch Ultimate Penetrator Nozzle SPT #C13	\$19.60	\$19.60
40	1.00	EA	0040 - Ultimate Penetrator Nozzle (1 Inch) SPT# 83-F	\$387.20	\$387.20

DATE: 7/03/2019

INVITATION TO BID FROM JEFFERSON PARISH - continued

Page 9

BID NO.: 50-00126989

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
41	1.00	EA	0041 - Front Replacement Carbide Jet for 1 Inch Ultimate Penetrator Nozzle SPT #C13	\$19.60	\$19.60
42	1.00	EA	0042 - Rear Replacement Carbide Jet for 1 Inch Ultimate Penetrator Nozzle SPT #C13	\$19.60	\$19.60
43	1.00	EA	0043 - Finned Pipe Skid Extension (1/2 Inch) SPT #40-D	\$80.00	\$80.00
44	1.00	EA	0044 - Finned Pipe Skid Extension (3/4 Inch) SPT #40-E	\$84.00	\$84.00
45	1.00	EA	0045 - Finned Pipe Skid Extension (1 Inch) SPT #40-F	\$88.00	\$88.00
46	1.00	EA	0046 - Nozzle Extension SPT #300-F	\$93.00	\$93.00
47	1.00	EA	0047 - Probe Rod (48 Inch) SPT #220-4	\$82.00	\$82.00
48	120.00	EA	0048 - Probe Rod (60 Inch) SPT #220-5	\$84.00	\$10,080.00
49	1.00	EA	0049 - Industrial Style Wash Down Gun SPT #3002-20	\$375.00	\$375.00
50	1.00	EA	0050 - Quick Disconnect Kit SPT #QCK	\$60.00	\$60.00
51	1.00	EA	0051 - Reel Swivel/Rotary Style SPT #24TM	\$513.00	\$513.00
52	1.00	EA	0052 - Swivel Replaceable Packing SPT #24TMRK	\$99.00	\$99.00
53	1.00	EA	0053 - Ball Valve (1 Inch) SPT #501-16	\$375.00	\$375.00
54	1.00	EA	0054 - Needle Valve (1/8 Inch) APT #501-2	\$30.00	\$30.00

DATE: 7/03/2019

INVITATION TO BID FROM JEFFERSON PARISH - continued

Page 10

BID NO.: 50-00126989

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
55	1.00	EA	0055 - Pipe Flange Weldment (8 Inch X 60 Inch Long) SPT #ST8X5	\$190.00	\$190.00
56	1.00	EA	0056 - Pipe Flange Weldment (8 Inch X 72 Inch Long) SPT #ST8X6	\$206.00	\$206.00
57	1.00	EA	0057 - Dayco Hose Fitting (1/2 Inch I.D. 4000 PSI-Male Fitting) SPT #108-1	\$18.00	\$18.00
58	10.00	EA	0058 - Dayco Hose Fitting (1/2 Inch I.D. 4000 PSI-Female Fitting) SPT #108-3	\$24.00	\$240.00
59	55.00	EA	0059 - Dayco Hose Fitting (3/4 Inch I.D. 3000 PSI-Male Fitting) SPT #112-1	\$24.00	\$1,320.00
60	1.00	EA	0060 - Dayco Hose Fitting (3/4 Inch I.D. 3000 PSI-Female Fitting) SPT #112-3	\$30.00	\$30.00
61	30.00	EA	0061 - Dayco Hose Fitting (3/4 Inch I.D. 3000 PSI-Mender Fitting) SPT #112-2	\$60.00	\$1,800.00
62	90.00	EA	0062 - Dayco Hose Fitting (1 Inch I.D. 3000 PSI-Male Fitting) SPT #116-1	\$27.00	\$2,430.00
63	30.00	EA	0063 - Dayco Hose Fitting (1 Inch I.D. 3000 PSI-Female Fitting) SPT #116-3	\$40.00	\$1,200.00
64	35.00	EA	0064 - Dayco Hose Fitting (1 Inch I.D. 3000 PSI-Mending Fitting) SPT #116-2	\$32.00	\$1,120.00
65	110.00	EA	0065 - Manhole Cover Hook SPT# 24MCH	\$27.00	\$2,970.00
66	1.00	EA	0066 - Top Manhole Roller Assembly SPT #40-6C	\$330.00	\$330.00

TRITON HydroTOOLS
11210 S. CHOCTAW
BATON ROUGE, LOUISIANA 70815 USA
800-633-7696
WWW.SHAMROCKTOOLS.COM

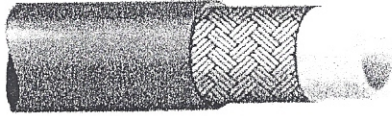
TRITON HYDROTOOLS

LICENSED MANUFACTURER FOR

SHAMROCK PIPE TOOLS & SRECO-FLEXIBLE

SEWER JETTING

**SWRG (GREEN)
4000 PSI**



Recommended For: Use on high pressure sewer jetting equipment.

Innercore: Neutral color seamless polyester tube

Reinforcement: One and two braid high tensile synthetic fiber

Cover: Bonded green high abrasion mold and fungus resistant polyether-urethane with a anti-stick additive for a snag resistant slick surface.

Temperature Range: -40 degrees F. to +122 degrees F.
(-40 degrees C. to +50 degrees C.)

Hose Part No.	Nominal I.D.		Nominal O.D.		Maximum Oper. Press.		Minimum Burst Press.		Min. Bend Radius (In.)	Wgt. Per 100 Ft. (Lbs.)
	In.	mm.	In.	mm.	PSI	BAR	PSI	BAR		
SWRG-02*	1/8	3.18	.31	7.75	4000	276	10000	690	1.2	3.0
SWRG-03	3/16	4.76	.41	10.29	4000	276	10000	690	1.7	5.0
SWRG-04	1/4	6.35	.51	12.83	4000	276	10000	690	2.0	7.0
SWRG-06	3/8	9.53	.72	18.29	4000	276	10000	690	2.5	14.0
SWRG-08	1/2	12.70	.84	20.34	4000	276	10000	690	3.0	16.0

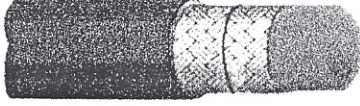
* Single Braid

→
SPT
LL-8/500

SEWER CLEANING

SWRBLUE (BLUE)

3000 PSI



Recommended For: Use on high pressure sewer cleaning equipment.

Innercore: Orange seamless polyolefin tube

Reinforcement: Two braids of high tensile synthetic fiber

Cover: Bonded blue high abrasion mold and fungus resistant polyether-urethane featuring an anti-stick additive for a snag resistant slick surface.

Temperature Range: -40 degrees F. to +122 degrees F.
(-40 degrees C. to +50 degrees C.)

Hose Part No.	Nominal I.D.		Nominal O.D.		Maximum Oper. Press.		Minimum Burst Press.		Min. Bend Radius (In.)	Wgt. Per 100 Ft. (Lbs.)
	In.	mm.	In.	mm.	PSI	BAR	PSI	BAR		
SWRBLUE-12	3/4	19.05	1.18	29.85	3000	207	7500	517	5.0	29.0
SWRBLUE-16	1	25.40	1.46	37.08	3000	207	7500	517	7.0	42.0

SPT

HP 12/500

HP 16/500

Hose Protectors

Use in the manhole at the sewer pipe entrance

Flexible Hose Guide Assembly

Name	Part No.	Size diameter x length in inches	Weight in lbs
Tiger Tail	728	3 x 40	7
Small Tiger Tail	728A	2 x 34	4



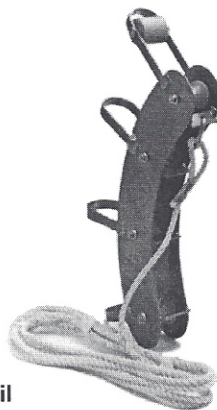
Tiger Tail

Equipped with 20' of 3/8" poly rope and quick link.

Replacement Rope
Part No. 19004A8

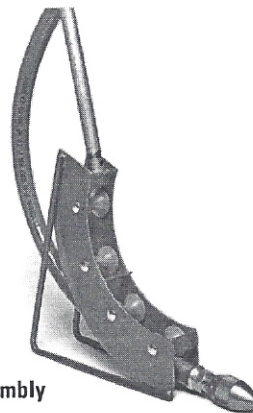
Rigid Hose Guide Assembly

Name	Part No.	Equipped with	Size high x deep	Weight in lbs
Golden Tiger Tail	730	5 UHMW concave rollers	9 x 22	11
Roller Shoe Assembly	729A	4 UHMW concave rollers	15 x 15	18
Roller Shoe Only	729		15 x 10	9.5
Concave Roller Only	32001A11	2" diameter 3/8" shaft x 2.2 wide		



Golden Tiger Tail
Part No. 730

- For heavy duty application
- Equipped with 20' of 3/8" poly rope and quick link.
- Strong steel frame



Roller Shoe Assembly
Part No. 729A

- All Steel construction
 - Equipped with 15' of 3/4" galvanized pipe and couplings plus a quick link for use with 3/8" poly rope.
- Part No. 729 (Shoe Only)**

Hydraulic Sewer Hose Swage Tool

- Twelve ton hydraulic jack
- Swages male & female couplings
- Splices menders
- Operates vertically
- Industry standard heat-treated and tapered dies and pushers
- Available in one size
- For 1/2" - 1 1/4" hose
- Easiest to use

Complete with instructions, wheel kit, two sets of dies, male end pusher, fitting lube, jack handle, one male end and one mender fitting for one hose size. To swage female ends, add female pusher.

When ordering, specify hose brand, size and pressure.

Replacement Wheel Kit Available Part No. 681-WK

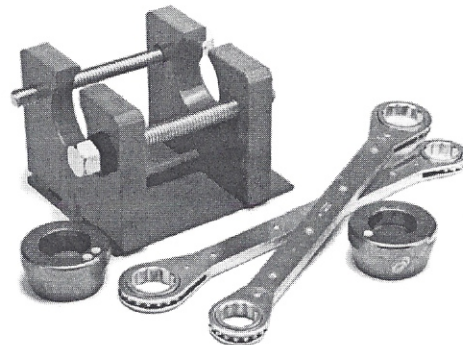


Part No. 681

Mechanical Swage Tool

- For 1/2, 3/4" and 1" hose
- Portable, base-mounted for ease of operation
- Operates horizontally
- Equipped with tapered die side plates and 3/4" acme bolts
- Ratchet style wrenches (Part No. 689) 1 1/6" x 1 1/4" hex ends
- Simple to use

Complete with instructions in tool box with two sets of dies, male end pusher, fitting lube, one male end and one mender fitting for one hose size and two wrenches.



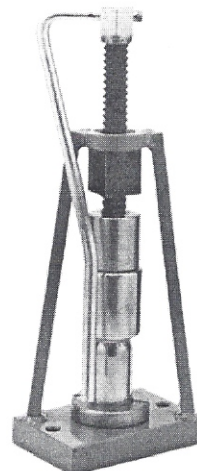
Part No. 679

Mechanical Sewer Hose Swage Tool

- Strong steel construction
- Operates vertically
- Swivel handle folds out of way
- Swages female and male end fitting on polymer style hose from 3/16" through 1" with die and pusher changes
- No outside power required
- May be bench or vise mounted; 13" high, 4"x6" base
- Easy to use.

Complete with one die and male pusher. Female pusher fittings sold separately.

When ordering, specify hose brand, size and pressure.



Part No. 775

Performance Nozzle - Cleaning

27

Radial C (carbide)

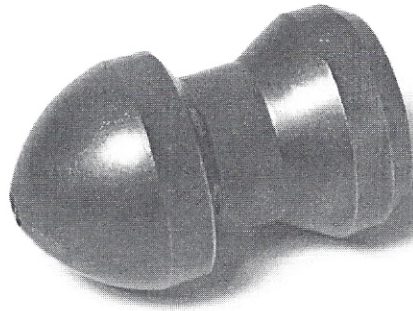
Heat treated alloy steel general purpose sanitary nozzle. Eight rear replaceable carbide inserts. Forward jet standard; available without forward jet on request. A nice, long lasting, hard impacting sewer nozzle.

When ordering, indicate hose size, desired flow rate and pressure by letter.

HOSE (diameter in inches)	FLOW RATE (gpm)	PRESSURE (psi)
E 3/4	L 30	A 1000
F 1	M 35	B 1200
	N 40	C 1650
	O 45	D 2000
	P 50	E 2500
	Q 55	F 3000
	R 60	G 4000
	S 65	
	T 70	
	U 80	
	V 90	



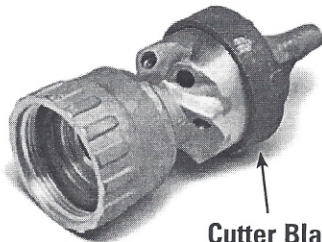
Replacement inserts found on page 31.



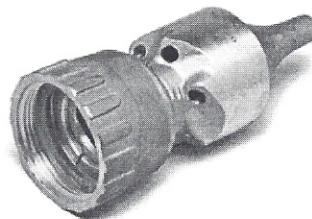
Part No. 84 (30°)

Available only for hose size E & F
Hose size E includes bushing.
2" diameter x 3 1/4" long
Weight 1 1/4 lbs.

Specialty Nozzles



Cutter Blade



Whirlaway Fire Hose Nozzles

Brass hydrant nozzles for use only with fire hose.
Manufactured in USA.

Hose Size	Part Number	Added Feature	Weight	Size diameter x length in inches
1 1/2"	No. 5 No. 5-NST	NPT	2 lbs	2 1/2 x 5 1/2
2 1/2"	No. 30		6 lbs	3 1/4 x 9
2 1/2"	No. 40	cutter blade assembly	7 lbs	3 1/4 x 9

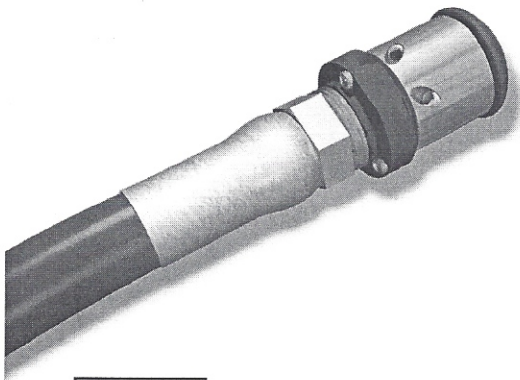
Note: For culvert/storm drain cleaning with a fire hose.

SHAMROCK
PIPE TOOLS, INC.®

NOZZLES &
ACCESSORIES

Small Nozzles - Inserted

All nozzles have replaceable carbide jets. Forward jet standard; available without forward jet on request. Rear jet angles (°) designed to maximize cleaning tasks.

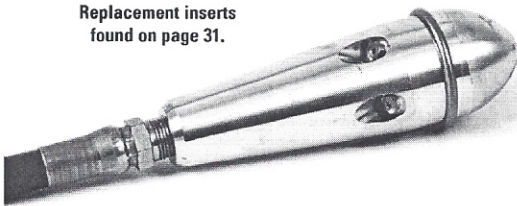


Insert SC12



Insert C13

Replacement inserts
found on page 31.



1/2" Short Rotating Nozzle

Part No. RRS-8 (40° Rear Jets)

Part No. FRS-8 (Forward Jets)

RRCS-8 (Rear Combi)

FRCS-8 (Forward Combi)

NOTE: Combi is (2) jets
at 90° and (2) jets at 40°

Hardened alloy and stainless steel. Dual application design to effectively clean small sewer pipes (2-12") and P-traps as small as 4". Seven combination carbide jets, (4) in rotation to clear blockages (3) in thrust to increase nozzle performance. Pressures to 7250 psi and flow as low as 10 gpm @ 3000 psi. Not available with forward jet.

1 1/2" diameter x 2 3/8" long

Weight: 12 oz.

1/2" Super Grenade

Part No. 21-5/3 (12°) has 3 rear jets

Part No. 21-5/5 (12°) has 5 rear jets

Hardened Stainless steel. Designed for mainline work. Stays in pipe bottom while breaking up obstructions.

Rated to 15,000 psi

1 3/4" diameter x 3" long

Weight: 1.1 lbs.



Insert C12

Replacement inserts
found on page 31.

1/2" Grease

Part No. 29-2 (30°) has 5 rear jets

Now with a stainless steel wear ring. Special, wear-resistant bar stock aluminum. Streamlined to penetrate grease, sand, and sludge. A nice sand and sludge nozzle for small jets 12-20 gpm.

2 1/4" diameter x 7 1/2" long

Weight: 2 lbs.

When ordering, indicate desired flow rate and pressure.

Performance Nozzles - Penetrators

13

Note: Hardened Alloy Steel

Super Grenade Penetrator

Heavy duty nozzle for mainline work. Engineered to stay on pipe bottom. Water jets have replaceable carbide inserts for long service life.



Now available with Flow Straighteners for increased productivity

Part No. 64

Replacement inserts found on page 31.



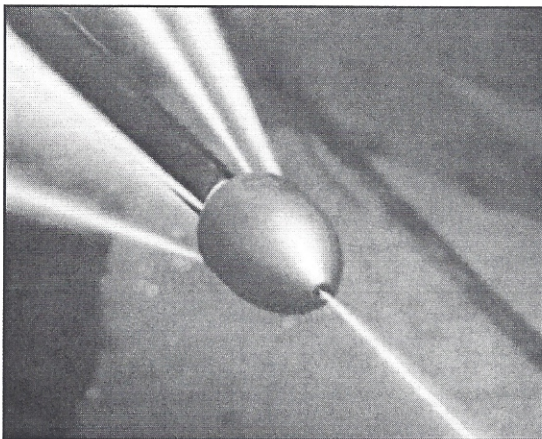
For hose size F & G



For hose size E

NOZZLES & ACCESSORIES

Hose size	Number of rear jets	Rear jet angles	Nozzle dimension in inches	Weight in pounds
E	5	12°	2 1/4 dia x 3 7/8	3 1/4
F	6	12°	2 5/8 dia x 4 1/4	3 1/2
G	8	12°	3 1/4 dia x 5 1/2	7



Grenade penetrator shoots through blocked main lines.

Note: For a 30° short carbide inserted nozzle see Page 27.

When ordering, indicate hose size, desired flow rate and pressure by letter.

HOSE (diameter in inches)	FLOW RATE (gpm)	PRESSURE (psi)
E 3/4	L 30	B 1200
F 1	M 35	C 1650
G 1 1/4	N 40	D 2000
	O 45	E 2500
	P 50	F 3000
	Q 55	G 4000
	R 60	SPCL Special order for greater PSI
	S 65	
	T 70	
	U 80	
	V 90	
	W 100	
	X 110	
	Y 120	
	Z 130	
	AA 140	
	AB 150	
	SPCL Special order for higher GPM	

SHAMROCK
PIPE TOOLS, INC.®

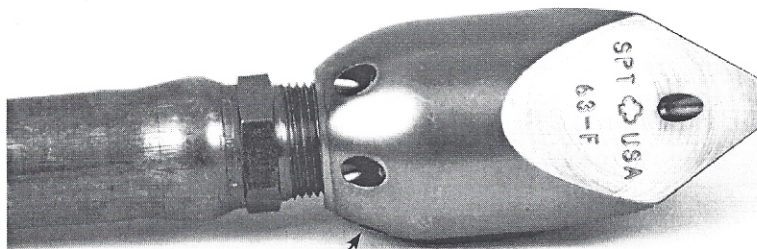
Performance Nozzles - Penetrators

11

Note: Manufactured in the USA

TriStar Chisel

Great front penetrating nozzle for boring through blockages and/or blocked lines. Avoids hang-ups and is easily retracted from sewer lines. Heat treated alloy steel for durability, yellow zinc plating, for corrosion resistance and replaceable carbide inserts for long service life.



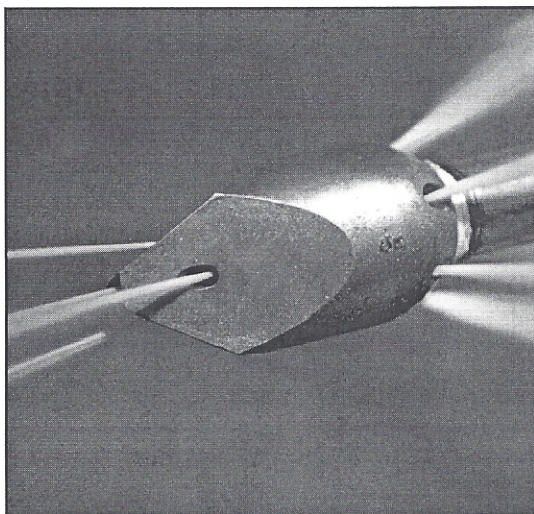
Part No. 63

Streamline shape avoids hang-ups on offset joints, debris, etc.



Replacement Inserts found on Page 31

Hose size	Number of rear jets	Number of forward jets	GPM Flow	PSI Pressure	Dimensions in inches
E	5	4	45	4000	2" dia x 3 3/4"
F	6	4	100	4000	2 1/2" dia. x 5"



(3/4") 6"-12" Pipe
(1") 6"-30" Pipe

When ordering, indicate hose size, desired flow rate and pressure by letter.

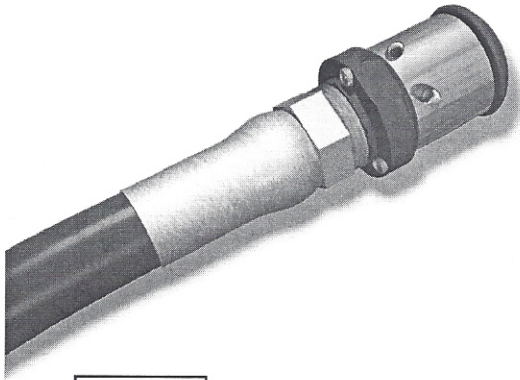
HOSE (diameter in inches)	FLOW RATE (gpm)	PRESSURE (psi)
E 3/4	L 30	A 1000
F 1	M 35	B 1200
	N 40	C 1650
	O 45	D 2000
	P 50	E 2500
	Q 55	F 3000
	R 60	SPCL Special order for greater PSI
	S 65	
	T 70	
	U 80	
	V 90	
	SPCL Special order for higher GPM	

SHAMROCK
PIPE TOOLS, INC.®

NOZZLES &
ACCESSORIES

Small Nozzles - Inserted

All nozzles have replaceable carbide jets. Forward jet standard; available without forward jet on request. Rear jet angles (°) designed to maximize cleaning tasks.



Insert SC12

1/2" Short Rotating Nozzle

Part No. RRS-8 (40° Rear Jets)

Part No. FRS-8 (Forward Jets)

RRCS-8 (Rear Combi)

FRCS-8 (Forward Combi)

NOTE: Combi is (2) jets
at 90° and (2) jets at 40°

Hardened alloy and stainless steel. Dual application design to effectively clean small sewer pipes (2-12") and P-traps as small as 4". Seven combination carbide jets, (4) in rotation to clear blockages (3) in thrust to increase nozzle performance. Pressures to 7250 psi and flow as low as 10 gpm @ 3000 psi. Not available with forward jet.

1 1/2" diameter x 2 3/8" long

Weight: 12 oz.



Excellent small jetter
mainline nozzle.

1/2" Super Grenade

Part No. 21-5/3 (12") has 3 rear jets

Part No. 21-5/5 (12") has 5 rear jets

Hardened Stainless steel. Designed for mainline work. Stays in pipe bottom while breaking up obstructions.

Rated to 15,000 psi

1 3/4" diameter x 3" long

Weight: 1.1 lbs.



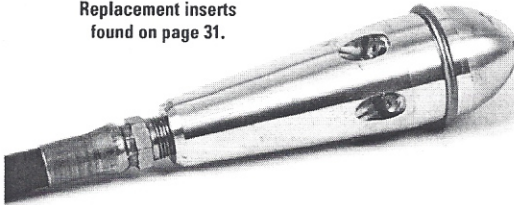
Insert C12

Replacement inserts
found on page 31.



Insert C13

Replacement inserts
found on page 31.



1/2" Grease

Part No. 29-2 (30°) has 5 rear jets

Now with a stainless steel wear ring. Special, wear-resistant bar stock aluminum. Streamlined to penetrate grease, sand, and sludge. A nice sand and sludge nozzle for small jets 12-20 gpm.

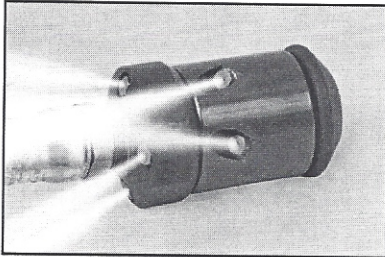
2 1/4" diameter x 7 1/2" long

Weight: 2 lbs.

When ordering, indicate desired flow rate and pressure.



Replacement inserts
found on page 31.



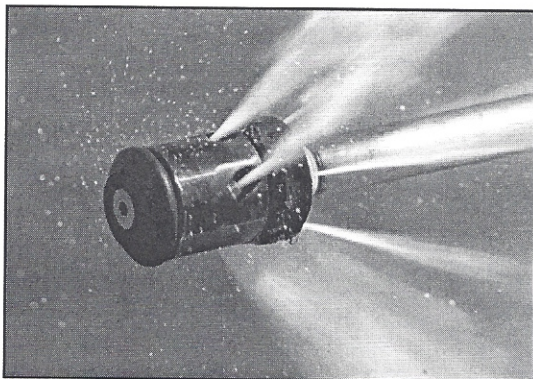
Rear Spray Rotating (RR) Blaster™

Dual-action of rear spray thrusts
nozzle forward while flushing
away loose debris.

Four rotating water jets impact
pipe wall at 40° angle.

Hose size	Thrust jets	Part No.	Nozzle dimension in inches	Weight in pounds
1/2"s	3	RRS-8	1.5 dia.x 2.38	0.75
3/4"	4	RR-12	2 dia x 3.5	2.5
1"	4	RR-161	2.75 dia x 4.5	5.5

With flow straightener for increased productivity



Rear Rotating (RR) nozzle shown.

Rotating Blasters (Slow Rotators)

Design combines patented drive and brake
jets to control the rotational speed and apply
full hydraulic pressure to the cleaning task.
The perfect nozzle to eliminate residue from a
sewer line, enhancing the use of TV, video, and
relining equipment. Several styles to optimize
results. No forward jet

Self rotating and thrusting

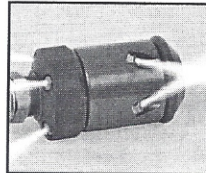
Heat-treated stainless steel, polished
and ground for maximum service life.

Replaceable carbide jet inserts.

Requires minimal maintenance.

Pipe skid recommended.

Fixed 18° rear thrust jets advance nozzle in a
corkscrew motion through clogged pipe.



Forward Spray Rotating (FR) Blaster™

Forward rotating spray impacts
pipe wall at 40° to loosen and
disintegrate residue ahead
of nozzle.

Fixed rear thrust jets advance
nozzle in a corkscrew motion
through clogged pipe and push
waste material backward.

Excellent for clearing extremely
clogged or frozen pipes.

Hose size	Thrust jets	Part No.	Nozzle dimension in inches	Weight in pounds
1/2"s	3	FRS-8	1.5 dia x 2.38	0.75
3/4"	4	FR-12	2 dia x 3.5	2.5
1"	4	FR-161	2.75 dia x 4.5	5.5

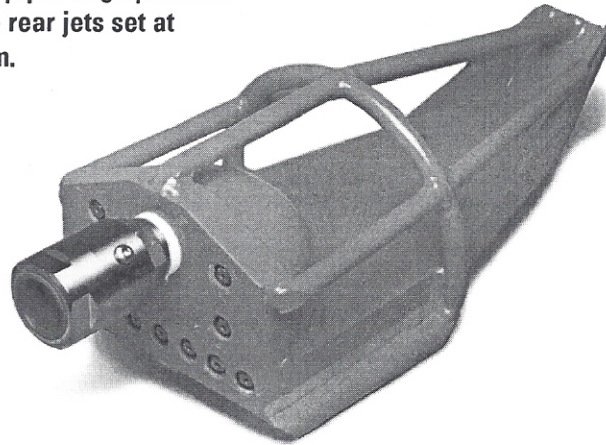
With flow straightener for increased productivity

Boat Nozzle

Heavy-duty flat bottom nozzle with stabilizing bars and skids. Cleans medium to large sewer pipe. High pressure water distributed through manifold to rear jets set at optimum angles to sweep pipe bottom.



Insert C13
Replacement inserts
found on page 31.

**Part No. 125**

Eleven rear jets with replaceable carbide inserts and flow straighteners

Stainless steel water chamber

Live swivel to maintain level action

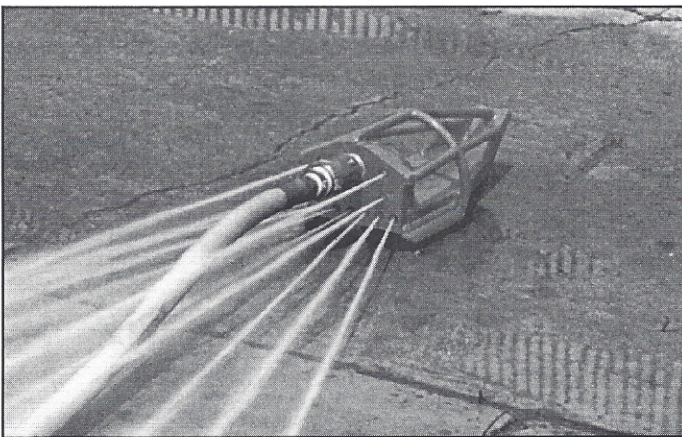
Painted safety-orange for high visibility

8" wide x 17 1/2" long

Weight 51 lbs.

When ordering, indicate hose size, desired flow rate and pressure by letter.

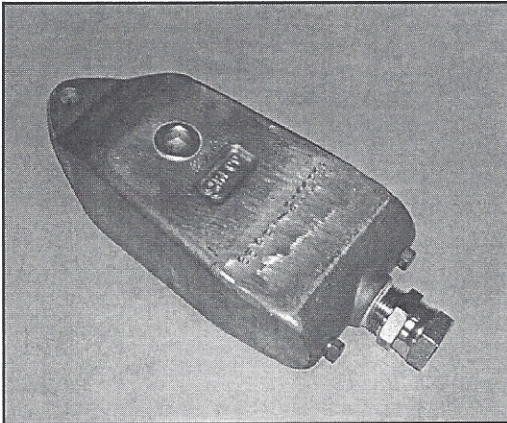
HOSE (diameter in inches)	FLOW RATE (gpm)	PRESSURE (psi)
F 1	S 65	B 1200
G 1 1/4	T 70	C 1650
H 1 1/2	U 80	D 2000
	V 90	E 2500
	W 100	F 3000
	X 110	SPCL Special order for higher PSI
	Y 120	
	Z 130	
	AA 140	
	AB 150	
	SPCL Special order for higher GPM	



Boat nozzle's unique structure controls nozzle position while sweeping main lines.

SHAMROCK
PIPE TOOLS, INC.®

Mfg. by SHAMROCK PIPE TOOLS

**Aluminum Culvert Nozzle**

Flat, lightweight, cast aluminum nozzle of heat treated alloy for long life. Designed to clean heavy material from large diameter pipes or culverts. The hollow body can be filled with varying amounts of lead shot to meet different cleaning requirements. This nozzle is casted with guide fins to keep them centered in the pipe and high pressure, rotary swivels which allow the culvert nozzle to lie flat in the pipe, even if the hose should attempt to twist.

Part No. CN-1

1" Small (2 Rear Replaceable Jets) empty
weight 7 lbs. holds up to 9 lbs. of lead shot

DESCRIPTION	PART NO	1"	3/4"
1" Small (2 Rear Replaceable Jets) Empty weight 7 pounds Holds up to 9 pounds of lead shot	CN-1		CN-1A
1" Medium (4 Rear Replaceable Jets) Empty weight 15 pounds Holds up to 8 pounds of lead shot	CN-2		CN-2A
1" Large (6 Rear Replaceable Jets) With Pivoting Swivel Empty weight 30 pounds Holds up to 65 pounds of lead shot	CN-3		CN-3A
1" Large (6 Rear Replaceable Jets) Without Pivoting Swivel Empty weight 30 pounds Holds up to 65 pounds of lead shot	CN-4		CN-4A

Un-Stopper Stainless Steel Penetrator Nozzle

There are (3), 10° thruster jets the rear of the stainless steel body to provide maximum power as the tip pierces the blockage. The tip of the nozzle has numerous and varied orifices providing flow to penetrate the stoppage and dislodge the particles.

DESCRIPTION	HOSE SIZE	PART NO
Front has (4) jets (1) straight forward (3) at 60°.	1"	UNS-1
Tip has (3) jets at 90° and (3) at 45°	3/4"	UNS-1A



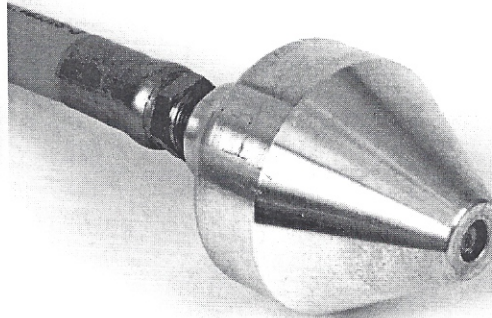
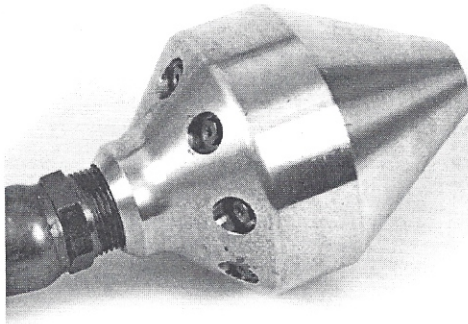
SHAMROCK
PIPE TOOLS, INC.®

Sand & Sludge

Aluminum alloy nozzle engineered to sweep 6" and larger pipes. Rear jets have replaceable carbide inserts and optional flow straighteners for long service life.



Replacement inserts found on page 31.



Part No. 35

Eight dual degree rear jets (17°/24°)

Hose Size	Nozzle dimension in inches	Weight in pounds
E	4 dia. X 5 long	2 1/2
F	4 1/2 dia. X 6 long	3

Part No. 140

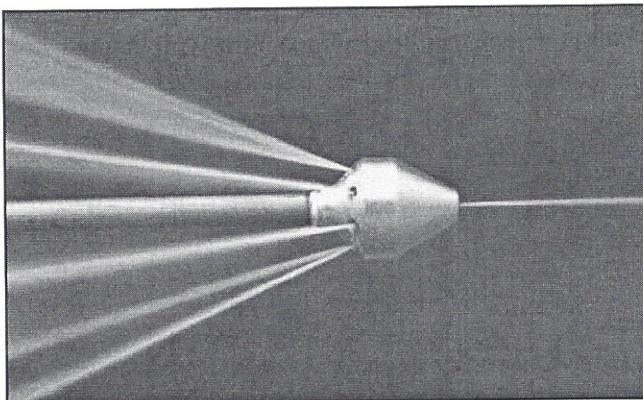
Contractor Special

Twelve triple degree rear jets 10°/17°/24°

Available only for hose size F.

When ordering, indicate hose size, desired flow rate and pressure by letter.

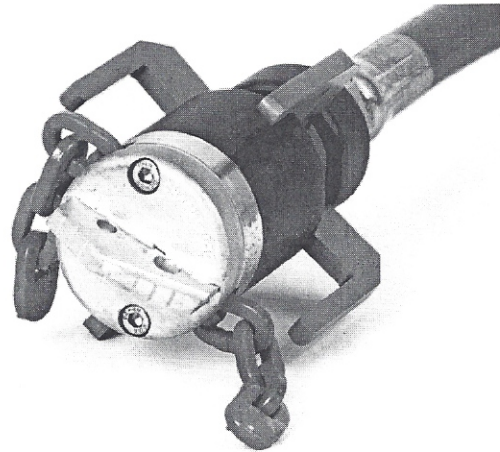
HOSE (diameter in inches)	FLOW RATE (gpm)	PRESSURE (psi)
E 3/4	L 30	A 1000
F 1	M 35	B 1200
	N 40	C 1650
	O 45	D 2000
	P 50	E 2500
	Q 55	F 3000
	R 60	SPCL Special order for greater PSI
	S 65	
	T 70	
	U 80	
	V 90	
	SPCL Special order for higher GPM	



Multiple jets flood pipe walls to loosen and move sand and sludge.

Chain Cutter 050

- Designed for use in 3", 4", and 6" pipe
- Heat treated alloy steel with ceramic like wear surface
- Interchangeable lengths of 4.5mm (6/32") square, heat treated chain.
- (1) Blade front cutter – drill bit
- (2) Heavy duty bearings
- Requires pump capacity of at least 10 gpm flow and 4000 psi pressure
- Double cap screw positive chain retainer
- 5" long, approximately 2.5 lbs.



NOTE: 8" and larger sizes available soon.



Chain Cutter Kit

Includes:

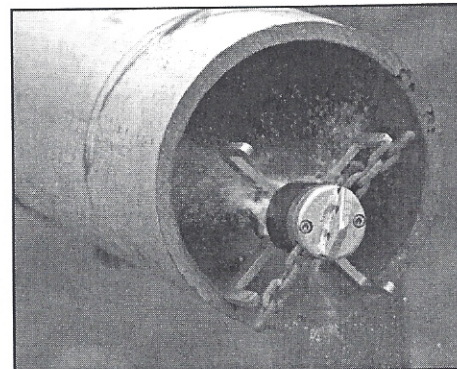
Motor assembly
3", 4", and 6" chain assemblies
3", 4", and 6" skid assemblies
Tool box, hardware and
Instruction Manual

Part No.	For Hose Size
CHACUT-050-8K	1/2"
CHACUT-050-12K	3/4"

PARTS MAY BE PURCHASED SEPARATELY:

Motor Assembly	Pipe Size	Chain Part No.	Skid Part No.	Color
CHACUT-050	3"	CC050-3	CC050-3SK	Yellow
	4"	CC050-4	CC050-4SK	Green
	6"	CC050-6	CC050-6SK	Red

NOTE: When ordering, specify hose size.

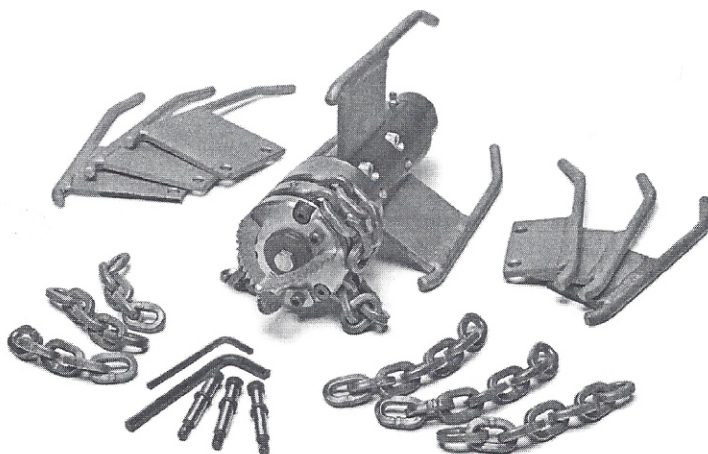
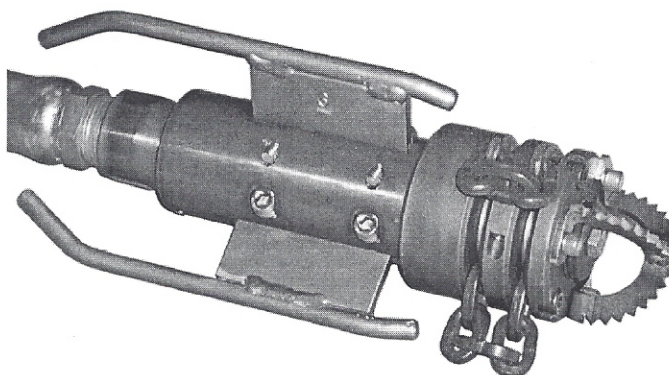


Chained designed to scrape the pipe.
May be used in 8" pipe with 6" skid.

SHAMROCK
PIPE TOOLS, INC.®

Chain Cutter 1.5

- Designed for use in 6", 8" and 10" pipe.
- Heat treated alloy steel with ceramic like wear surface.
- Interchangeable lengths of 5.6mm (7/32") square, heat treated chain.
- 3 blade front cutter for more aggressive cutting.
- Heavy Duty bearing
- Built-in hose swivel for safety
- Requires pump capacity of at least 25gpm flow and 1500psi pressure.
- 11" long, Approx. 14 lbs.



Chain Cutter Kit

Includes:

Motor assembly
6", 8", and 10" chain assemblies
6", 8", and 10" skid assemblies
Tool box, hardware and
Instruction Manual

Part No.	For Hose Size
CHACUT-1.5-12K	3/4"
CHACUT-1.5-16K	1"

PARTS MAY BE PURCHASED SEPARATELY:

Motor Assembly	Pipe Size	Chain Part No. (Set of three)	Skid Part No. (Set of three)	Color
CHACUT-1.5	6"	CC1.5-6	CC1.5-6SK	Red
	8"	CC1.5-8	CC1.5-8SK	White
	10"	CC1.5-10	CC1.5-10SK	Blue

Optional: More aggressive scraper block chain available.

Replacements inserts
found on page 31



Insert C13

Ultimate Penetrator

Heavy duty nozzle chosen by contractors to clear sludge, mud, and debris from pipe bottom. Can be used to create a path to center a flushing nozzle in severe buildup, minimizing water consumption and cleaning time. Replaceable carbide inserts for long service life.

Part No. 83

12° rear jets on most sizes.

Rear jets are 15° on nozzle for hose H.

Forward jet standard

Four forward jets (one at 0°, three at 7°) available on request for hose size H

Safety orange

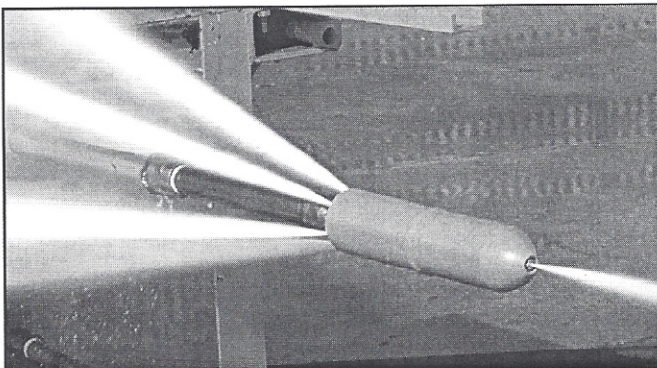
Now available with Flow
Straighteners for increased
productivity



For hose size	Number of rear jets	Nozzle dimensions in inches	Weight in pounds
E	5	2 1/2 dia x 12	8
F	5	2 5/8 dia x 14	10
G	8	3 1/4 dia x 15	22
H	10	3 1/2 dia x 19	31

When ordering, indicate hose size, desired flow rate and pressure by letter.

HOSE (diameter in inches)	FLOW RATE (gpm)	PRESSURE (psi)
E 3/4	L 30	A 1000
F 1	M 35	B 1200
G 1 1/4	N 40	C 1650
H 1 1/2	O 45	D 2000
	P 50	E 2500
	Q 55	F 3000
	R 60	SPCL Special order for greater PSI
	S 65	
	T 70	
	U 80	
	V 90	
	W 100	
	X 110	
	Y 120	
	Z 130	
	AA 140	
	AB 150	
	SPCL Special order for higher GPM	

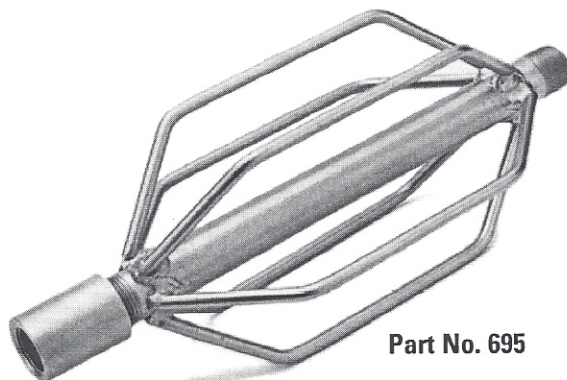


Double duty Ultimate Penetrator blasts through severe blockage and flushes bottom buildup. Hose size H shown.

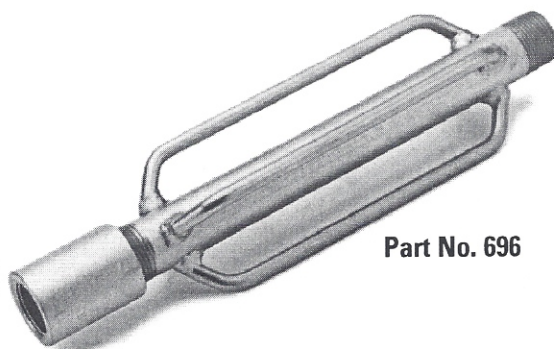
SHAMROCK
PIPE TOOLS, INC.®

Skids

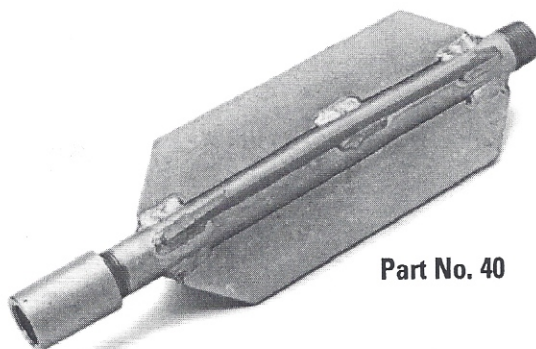
Extensions center certain nozzles in a pipe, improving performance and efficiency. Prevents nozzle wear. All have heavy duty coupling to attach to sewer cleaner hose.



Part No. 695



Part No. 696



Part No. 40

Six Wire Skid

Heavy walled extension surrounded by a cage of six oil hardened spring steel wires. Prevents wear of most nozzles.

Hose Size	Part No.	Pipe diameter in inches	Skid length in inches
3/4"	695-E6	6	15 1/2
3/4"	695-E812	8 - 12	16 3/4
1"	695-F6	6	15 1/2
1"	695-F8	8	16 3/4
1"	695-F10	10	18 1/4
1"	695-F1215	12 - 15	25 1/2
1 1/4"	695-G8	8	15 1/2

Four-Wire Skid

Extension surrounded by a cage of four oil-hardened spring steel wires.

Holds small and standard nozzles off pipe bottom
Cleans pipes over 4" in diameter

Hose Size	Part No.	Skid length in inches
1/2"	696-D	13
3/4"	696-E	13
1"	696-F	14

Heavy Duty Finned Skid

Finned extension of quality welded steel for use in pipes at least 6" diameter.

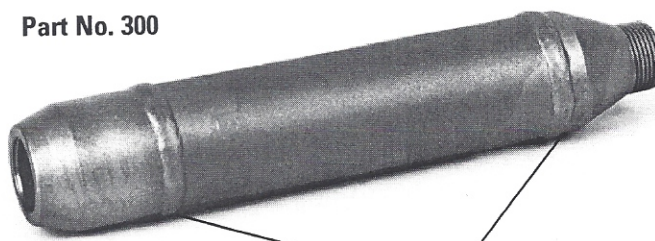
Skid for 1 1/4" hose cleans pipes at least 8" diameter.

Hose Size	Part No.	Skid length in inches
1/2"	40-D	10
3/4"	40-E	12
1"	40-F	12
1 1/4"	40-G	15 1/2

Tube Style

Help nozzles move over rough or broken pipe, preventing them from reversing or entering lateral sewer lines.

Part No. 300

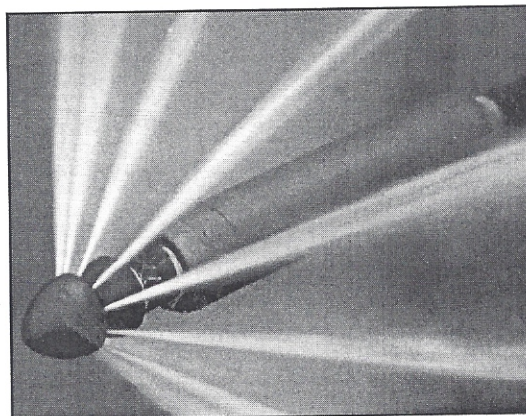


Weld Wear Rings

For standard nozzles, 1/2" to 1 1/4" NPT
Extension connects with male NPT x Female NPT

Hose Size	(inside diameter)	Extension diameter x length (in inches)
D	1/2"	1 1/4 x 8
E	3/4"	2 x 12
F	1"	2 1/4 x 12
G	1 1/4"	2 1/4 x 12

When ordering, indicate hose size by letter.

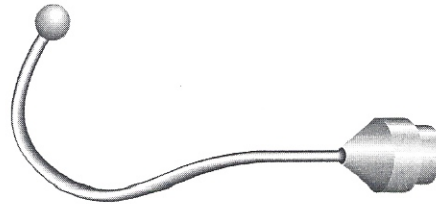


Radial Vortex nozzle with large nozzle extension moves directly to the obstruction.

Camera Hook

Part No. RPT-HK

- 10" hook maneuvers remote closed circuit TV or other equipment into remote locations.
- Quick lock assembly with stainless steel pin.
- Use with Extension Pole Set on page 66.



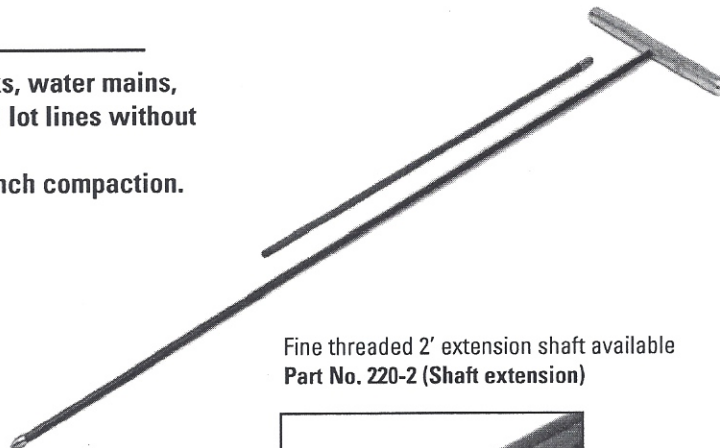
Tile Probe

To locate shut-offs, sleeves, tanks, water mains, stubs, drain tiles, fiber pipes and lot lines without extensive digging.

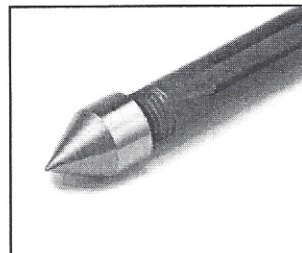
To check soil conditions and trench compaction.

Stainless steel tip
3/8" spring steel shaft

Part No.	Length in feet
220-3.5	3.5 (42")
220-4	4 (48")
220-5	5 (60")



Fine threaded 2' extension shaft available
Part No. 220-2 (Shaft extension)



Replacement tips available
Part No. 220-1 (Replacement tip)
Part No. 220-1R (Round Tip)

Mighty Probe™ (Insulated Tile Probe)

Part No 220-MPA42 (42")
220-MPA48 (48")
220-MPA60 (60")

An **insulated** metal soil probe with the same quality features as our Tile Probe. Used to locate shut-offs, sleeves, tanks, water mains, stubs, drains tiles, fiber pipes, lot lines and to check soil conditions and trench compaction. This probe has an additional **current insulator**, tested up to 45,000 volts by a major utility company and independently tested to 50,000 volts, to increase the Operators' protection against electrical shock.



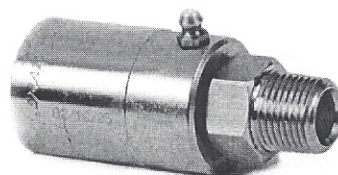
SHAMROCK
PIPE TOOLS, INC.®

**SUPPLEMENTARY TOOLS
& ACCESSORIES**

90° Super Swivel®

For smaller jet units
Stainless Steel
Male-Female connection

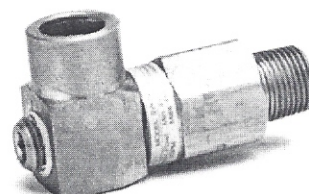
Part No.	Hose in inches	Pressure in psi
8SS5	1/2	5000

**90° Swivel**

For assorted hose reel applications
Brass body with hard ground stainless steel interior

Flows to 14 gpm
Seals rated up to 3,500 psi
Male-Female connection
Female-Female connection also available

Part No.	Hose Size in inches
6 MC	3/8
8 MC	1/2

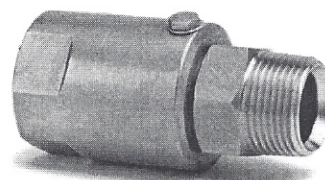
**Style 20 Nozzle Swivel**

To keep flat bottom nozzles from turning over

For units 1/2"-1 1/4"

Nickel plated O-ring style
Male-Female connection only

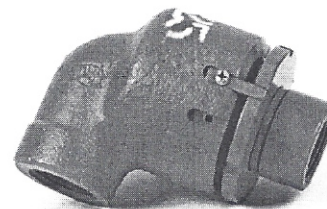
Part No.	Hose Size in inches	Pressure in psi
8SS	1/2	4,000
12SS	3/4	4,000
16SS	1	3,000
20SS	1 1/4	3,000

**Style 30 90° Reel Swivel**

For units 3/4"-1 1/4"

Cast iron body
Adjustable Packing
Rated 4,000 psi
Available Repair Kit contains seals and ball bearings

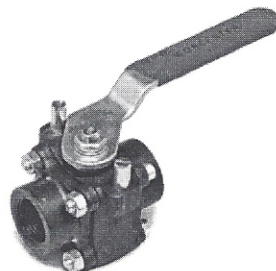
Part No.	Hose Size in inches	Repair Kit Part No.
12TM	3/4	16TMRK
16TM	1	16TMRK
20TM	1 1/4	20TMRK





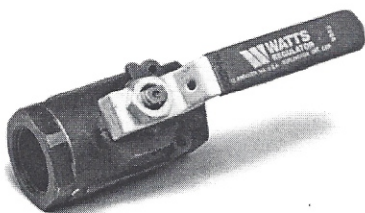
'M' Ball Valve

Part No.	Hose Size in inches
500-16	1
500-20	1 1/4



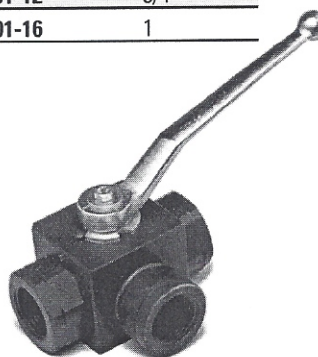
'W' Ball Valve

Part No.	Hose Size in inches
501-12	3/4
501-16	1



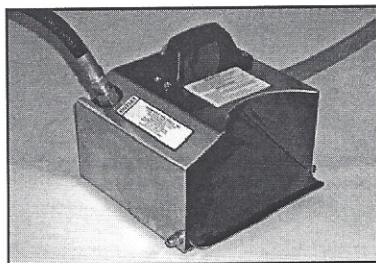
'T' Ball Valve

Part No.	Hose Size in inches
502-12	3/4
502-16	1



Three Way Valve

Part No.	Hose Size in inches	Flow Rate at 5,000 psi
503-8	1/2	21 gpm
503-12	3/4	35 gpm
503-16	1	75 gpm
503-20	1 1/4	115 gpm



Shamrock Foot Valves

Part No. FV2/80

1/2", 3/4" or 1" inlet
1/2" outlet
maximum flow rate 21gpm
maximum pressure 8,100 psi

Part No. FV-2/40

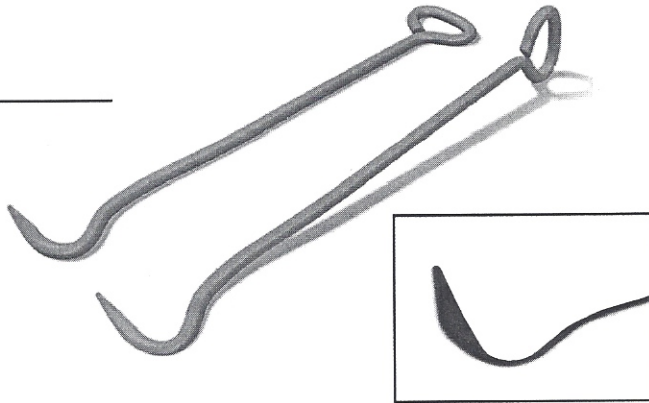
3/8" Inlet
1/4" Outlet
Maximum flow rate 8 gpm
Maximum pressure 4,000 psi

SHAMROCK
PIPE TOOLS, INC.®

Manhole Cover Hook

Part No. 36MCH (Standard)

Heat treated alloy steel for strength, durability and extended life.
Hook shaped for opening manhole covers.
36" long
Safety orange



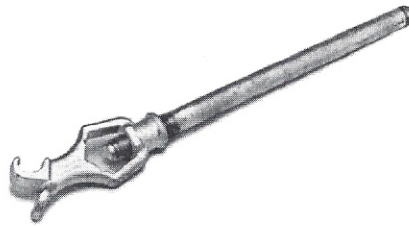
Part No. 36 MCH90 (optional)

Rotated handle
Point sticks up 90° to handle

Hydrant Wrench/Spanner

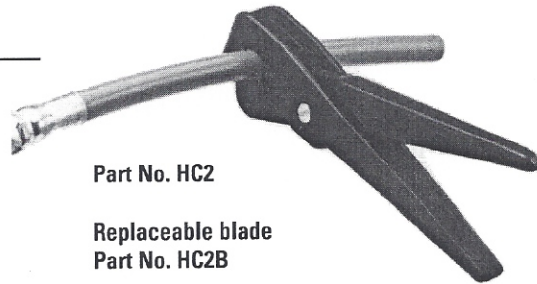
Part No. HW1

Plated Steel
Adjustable



Hose Cutter

- Light weight and durable
- For use with all *except* wire-reinforced hose
- Economical alternative for tube and hose cutting

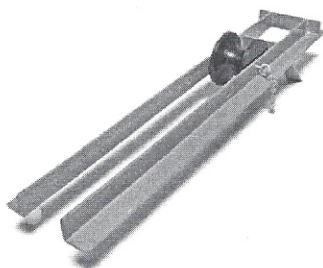


Part No. HC2

Replaceable blade
Part No. HC2B

Upper Manhole Roller

Use over manholes, catch basins and other openings to allow movement of the high pressure sewer cleaning hose into the line. Reduces wear and protects operator. Available in two styles - one for use with vacuum tubes in the same manhole. Two year warranty



Style 1 - Standard

Part No. 40-6C (heavy duty)

- For 3/4", 1", 1 1/4" hose
- Equipped with 5 1/2" concave, UHMW polyethylene roller on steel shaft
- Painted safety orange
- Weighs approximately 28 lbs.

Part No. 32001A30

- Replacement roller for all



Style 2 - Y-Style

Part No. 40-6E

- For 3/4", 1", 1 1/4" hose with vacuum tubes in same manhole
- Equipped with 5 1/2" concave, UHMW polyethylene roller
- Painted safety orange
- Weighs approximately 24 lbs.

Non-Public Works Bid

AFFIDAVIT

STATE OF Louisiana

PARISH/COUNTY OF East Baton Rouge

BEFORE ME, the undersigned authority, personally came and appeared: Gregory

Martin, (Affiant) who after being by me duly sworn, deposed and said that

he/she is the fully authorized CFO of Talon Hydrotools LLC (Entity),

the party who submitted a bid in response to Bid Number 50-126782, to the Parish of
Jefferson.

Affiant further said:

Campaign Contribution Disclosures

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

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

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

Debt Disclosures

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

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

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

Affiant further said:

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

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

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

Gregory Martin
Signature of Affiant

GREGORY MARTIN
Printed Name of Affiant

SWORN AND SUBSCRIBED TO BEFORE ME

ON THE 18th DAY OF July, 2019.

[Signature]
Notary Public

Gerald Dufont
Printed Name of Notary

#153931
Notary/Bar Roll Number

My commission expires AT DEATH.

