

KEGG

The Difference Is Performance!

2017 PRODUCT CATALOG



Contact Your
Local Expert
Today!

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Office in South Carolina



The Difference Is Performance!

WHO WE ARE

KEG Technologies, Inc., is the sister company of KEG GmbH, headquartered in Limbach-Oberfrohna, Germany. KEG serves the United States market from its distribution center in Spartanburg, South Carolina.

Our Spartanburg distribution center stocks a complete line of KEG products, including all nozzle, floor cleaner, and chain cutter lines, inserts, and all other parts and accessories. An order placed with KEG can be quickly filled to your satisfaction.

MISSION STATEMENT

KEG's is committed to it's customers and our industry by providing quality products supported through continuous education and technology improvement.

SCOPE

KEG offers superior support, training, and demonstrations for all products. KEG guarantees that our products will perform as advertised, and that we will be in the field with you to ensure your complete satisfaction!

On-Site Demonstrations Available





WARRANTY

- **100% MONEY BACK GUARANTEE ON ALL PRODUCTS!**
- **5 years on titanium ceramic inserts**
- **3 years on all tool bodies with replaceable ceramic inserts**
- **1 year on camera nozzles**
- **1 year on replaceable steel inserts**
- **1 year on all tool bodies with replaceable steel inserts**
- **2 years on chain cutter fins and tube assemblies**
- **2 years on rotating bodies (chain cutter and rotor nozzles)**
- **1 year on chain cutter skids and distance plates**
- **1 year on swivels (when shipped with original tool)**
- **1 year on Tier 1 nozzles, steel inserts, holders**
- **180 days on re-manufactured tools**
- **90 days on new replacement warranty items**

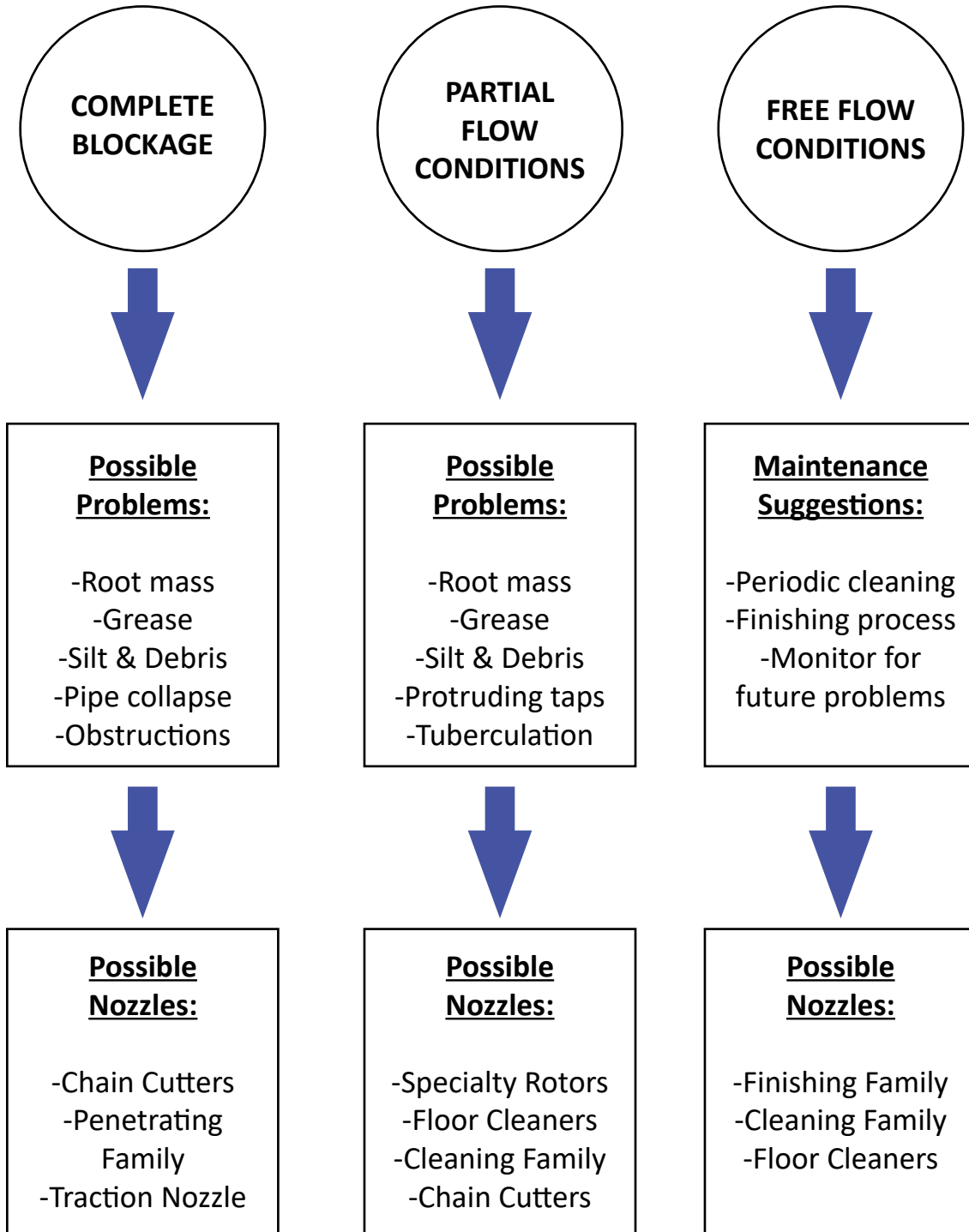
KEG Technologies offers a limited lifetime warranty on tools and items manufactured by KEG. This warranty applies against manufacturing defects. Limited warranties exist on all bodies, inserts, and components. KEG will not warranty against loss, failure and/or damage due to: improper set-up, improper assembly, abnormal wear, improper use, use outside the design parameters of these tools, unauthorized modification of these tools, or failure to perform recommended maintenance on said tools.

Warehouse in South Carolina



PIPE CLEANING AS A PROCESS

Choosing the correct tools for the job!



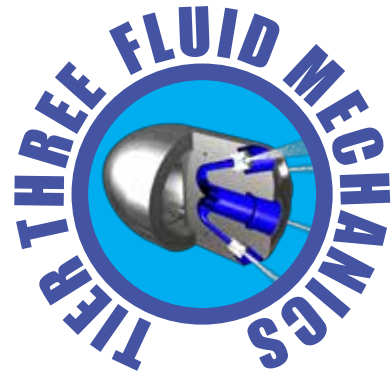
KEG FLUID MECHANICS

Efficient design maximizes power and reduces operational costs

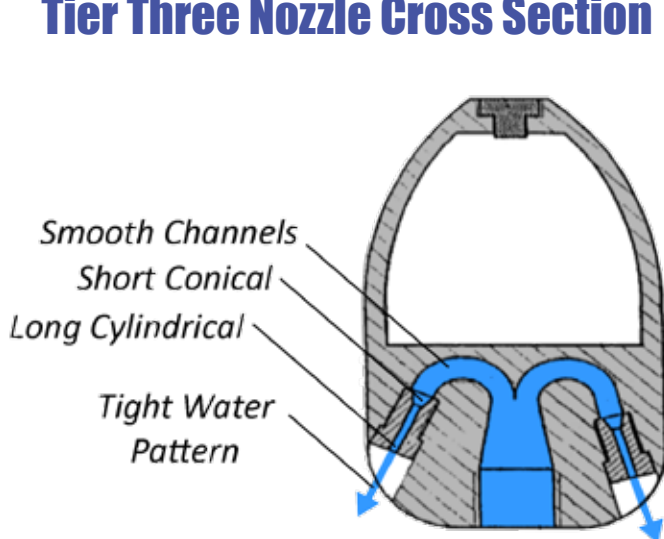


The National Association of Sewer Service Companies (NASSCO) and its *NASSCO Jetter Code of Practice* publication have determined that nozzles with an efficiency rating of 80% and above are classified as Tier Three nozzles. Many of our KEG nozzles exceed efficiency ratings of 95% and thus provide a powerful, long lasting, and cost effective product.

When found throughout the catalog, the symbol at the right denotes that a specific nozzle is classified as a Tier Three nozzle. Our Royal and Torpedo nozzles, for instance, achieve 98% and 97% efficiency respectively and therefore are marked with the 'Tier Three Fluid Mechanics' symbol.



Tier Three Nozzle Cross Section



As we follow the path of water through a KEG Tier three nozzle, it is easy to see that our high performance design leaves little room for excessive turbulence and power losses.

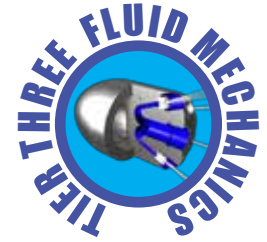
Water exits the jetter hose and enters into the nozzle body where it is carried through smooth, curved channels and maintains its speed and power. As water then enters our replaceable titanium ceramic inserts, a short conical shape funnels water into a longer cylindrical shape and a tight and powerful water pattern emerges.



The Difference Is Performance!

KLEEN SIGHT CAMERA NOZZLE

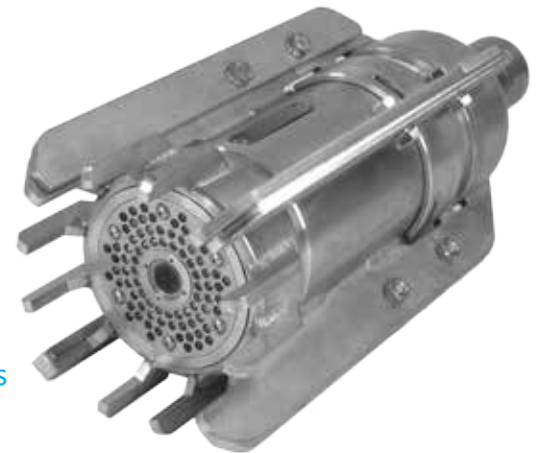
Clean & Inspect in one pass!



Watch & download videos via Wi-Fi on your smart phone, tablet, or laptop!
No cords or cables needed! Connects to your Jetter hose!

Features & Advantages:

- High Definition self leveling camera head---> Clear video images
- Internal 16GB memory---> No SD card needed
- Wi-Fi Hot Spot to download data---> No exposed components
- No need to pre-clean lines---> Save time and money
- 80 LED lights---> Illumination for all your needs; No smoke or fog
- 6+ hours of video per charge---> Full day video capability
- Waterproof magnetic function switch---> Protects from moisture
- 2 Li-Ion Batteries and 110 VAC Charger---> 6.5 hour run time each
- High performance Tier Three nozzle---> 15 & 25 degree jets
- Replaceable Titanium Ceramic inserts---> 5 year warranty on inserts
- Skids included for pipe 6" to 16"---> Expansion kits available



KEG KLEEN SIGHT CAMERA

Part Number	Number of Inserts	Insert Part Number	Weight	Dimensions	Pipe size
701002-C	6	(M14) G00100174	32lbs	12-7/8" x 5-3/8"	6"-16"+

The Kleen Sight Camera is offered with Ceramic Inserts only; Skid expansion kits also available



The Difference Is Performance!

CHAIN CUTTER FAMILY

The only match for the toughest obstructions!

KEG offers five models for customers with root infiltration, grease, concrete, protruding taps, and scaling problems. We offer the Micro Chain Cutter in 2" to 4" applications, Mini Chain Cutter in 4" to 10" applications, the Super Cutter Plus 150 for 6" to 24" pipes, the Super Cutter Plus 200 for pipes 8" to 48", and finally the Supernova 4000 Chain Cutter for 6" to 48" pipe, all with one Cutter. Let us show you the power and capabilities of our Cutter Family with a demonstration. KEG's family of chain cutters has the flexibility to handle the removal of the heaviest obstructions, while being gentle on pipe walls.



*Micro Cutter
(2"-6")*



*Mini Cutter
(4"-10")*



*SCP 150 Cutter
(6"-24")*



*SCP 200 Cutter
(8"-48")*



*SN 4000 Cutter
(6"-48")*

Superior Design, Construction, Performance & Flexibility

KEG's chain cutters are made of stainless steel and offer superior thrust and drive efficiency. Stabilized by stainless steel guide carriage skids, the cutters feature a unique spinner nozzle design that rotates the main shaft, spinning the attached chains at 2,500 RPM. The cross cutter bit installed on the front of the shaft also serves as a penetrating bit to "bore" into the root or obstruction. Chains can be configured for grease or scale removal, or for root removal.

Ease of Configuration & Maintenance

The ease of field configuration is a definite plus for the operator. Installation of replacement chain, or skid configuration for larger diameters, is a simple matter and is quickly done in the field. Standard maintenance and cleaning is easy and prolongs the service life of the cutter. KEG Chain Cutters also feature a 2 year limited warranty and come configured with titanium ceramic inserts for better performance. Finally, no lubrication (other than the HP Swivel joint at the hose connection) is required to operate a KEG Chain Cutter. Cutters can be maintained with a gentle soap or detergent and water.

Chain Cutter In Action



Always clean and video before operating any chain cutter and follow operating guidelines in the cutter manual. Contact a local expert for complimentary training & installation.



MICRO CHAIN CUTTER

Advantages

- Easily configured for multiple jobs
- Use in sweeping 90 degree or 45 degree elbows
- Kit includes Case, Tools and Manual
- Clean with soap and water



Applications

- SANITARY
- 2", 3", 4" Pipes (6" w/optional skid)
- Plumbing Applications
- Offsets, Pipe Rips, Services, Laterals, Small Pipes
- Root Removal in Laterals & Sanitary Service Lines
- Scale and Rust Removal
- Use with 1/2" hose; 1/2" swivel included

Technical Specification

- No skid required for 2" & 3" applications
- Individual skid for 4" applications provided
- Individual skid for 6" applications (optional)
- Lubrication is not required
- Pump minimum of **8 GPM & 1700 PSI required**
- Tier Two Nozzle
- Titanium ceramic inserts included
- 6 feet of chain included
- Pulling device available (optional)
- 90 degree lateral applications should not utilize the guide carriage skids

QUICK FACTS

- Pipe Range: 2", 3", 4", 6"
- Flow Range: 8 GPM+
- Pressure Range: 1700 PSI - 4000 PSI
- Hose Sizes: 3/8"-1/2"

KEG MICRO CHAIN CUTTER					
Part Number	Number of Inserts	Insert Part Number	Weight	Dimensions	Pipe size
200110-C	6	(M6) G00100175	1.2lbs	3.9" x 1.5"	2", 3", 4"
200110-C to 6"	6	(M6) G00100175			2"-6"
Ceramic Inserts are recommended for use with Chain Cutters					

MINI CHAIN CUTTER

Advantages

- Easily configured for multiple jobs
- Use with 1/2", 3/4", & 1" hose applications
- Kit includes Case, Tools and Manual
- Clean with soap and water

Applications

- SANITARY, STORM
- 4", 6", & 8" pipes (10" optional)
- Roots, Scaling, Grease
- Root Removal in Laterals and Sanitary Service Lines
- Removal of Protruding Taps
- Scale and Rust Removal



Technical Specifications

- Individual skid for 4", 6" & 8" pipe
- 10" skid available (optional)
- 3/4" swivel is the standard configuration
- Reducers or expanders available (optional)
- Lubrication is not required
- Pump minimum of **18 GPM & 1700 PSI required**
- Tier Two Nozzle
- Titanium ceramic inserts included
- 6 feet of chain included

QUICK FACTS

- Pipe Range: 4", 6", 8", 10"
- Flow Range: 18 GPM - 60 GPM
- Pressure Range: 1700 PSI - 4000 PSI
- Hose Sizes: 1/2", 3/4", 1"

KEG MINI CHAIN CUTTER						
Part Number	Number of Inserts	Insert Part Number	Swivel Size	Weight	Dimensions	Pipe Size
200343-C	7	(M6) G00100175	0.5"	2.9lbs	1.96" x 6.7"	4, 6, 8"
200344-C	7	(M6) G00100175	0.75"	2.9lbs	1.96" x 6.7"	4, 6, 8"
200345-C	7	(M6) G00100175	1"	2.9lbs	1.96" x 6.7"	4, 6, 8"
All Sizes can be ordered for 10" or 12" pipe by adding a 10" or 12" suffix to part numbers above						
Ceramic Inserts are recommended for use with Chain Cutters						

SUPER CUTTER PLUS 150



Advantages

- Stainless steel construction
- Water driven design
- High speed, High torque
- Easily configured for multiple jobs
- Roller chain is forgiving on pipe walls
- Operates in egg-shaped pipe
- Changeable Cross Cutter and Rotating Inserts
- Kit includes Case, Tools and Manual
- Clean with soap and water

Technical Specifications

- Skids and distance plates included for pipes 6"-16"
- No lubrication for the main body required
- 1" swivel is the standard configuration
- Reducers or expanders available (optional)
- 2 separate chains for cutting
- 2,500-10,000 RPM
- Pump flow minimum of **40 GPM & 1700 PSI required**
- Tier Two nozzle
- Titanium ceramic inserts included
- 15 feet of chain included
- Chain blocks for hardened deposits (optional)
- Spray bar attachments (optional)
- Pulling device (optional)

QUICK FACTS

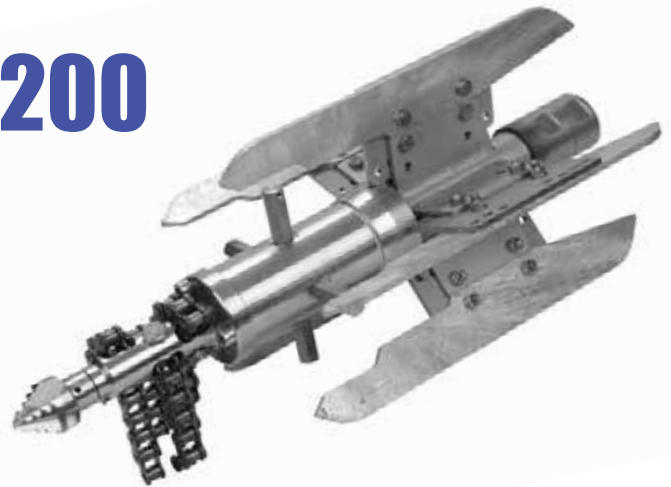
- Pipe Range: 6"-24"
- Flow Range: 40 GPM - 100 GPM
- Pressure Range: 1700 PSI - 3000 PSI
- Hose Sizes: 0.75", 1" , 1.25"

Applications

- SANITARY, STORM
- 6"-16" pipe range with optional expansion kit for pipes up to 24"
- Roots, Scaling, Rust, Grease, Minerals, Protruding Taps, Concrete
- Compatible with all pipe materials (PVC, Clay, Iron, Concrete)
- Use with 3/4", 1", 1 1/4" hose

KEG SUPER CUTTER PLUS 150					
Part Number	Number of Inserts	Insert Part Number	Pipe Size	Weight	Dimensions
200242-C	8 5	(M6) G00100175 (M14) G00100174	6-16"	33.25lbs	22.375" x 5"
KEG SUPER CUTTER 150 EXPANSION TO 24"					
200903-C	4	(M6) G00100175	To 24"		
Ceramic Inserts are recommended for use with Chain Cutters					

SUPER CUTTER PLUS 200



Advantages

- Stainless steel construction
- Water driven design
- High speed, High torque
- Easily configured for multiple jobs
- Roller chain is forgiving on pipe walls
- Operates in egg-shaped pipe
- Changeable Cross Cutter and Rotating Inserts
- Kit includes Case, Tools and Manual
- Clean with soap and water

Technical Specifications

- Skids and distance plates included for pipes 8"-20"
- No lubrication for the main body required
- 1" swivel is the standard configuration
- Reducers or expanders available (optional)
- 3 separate chains for cutting
- 2,500-10,000 RPM
- Pump flow minimum of **50 GPM & 1200 PSI required**
- Tier Two nozzle
- Titanium ceramic inserts included
- 15 feet of chain included
- Chain blocks for hardened deposits (optional)
- Spray bar attachments (optional)
- Pulling device available (optional)

QUICK FACTS

- Pipe Range: 8"-48"
- Flow Range: 50 GPM - 120 GPM
- Pressure Range: 1700 PSI - 3000 PSI
- Hose Sizes: 0.75", 1", 1.25"

Applications

- SANITARY, STORM
- 8"-20" pipe range with optional expansion kit for pipes up to 48"
- Roots, Scaling, Rust, Grease, Minerals, Protruding Taps, Concrete
- Compatible with all pipe materials (PVC, Clay, Iron, Concrete)
- Use with 3/4", 1", 1 1/4" hose

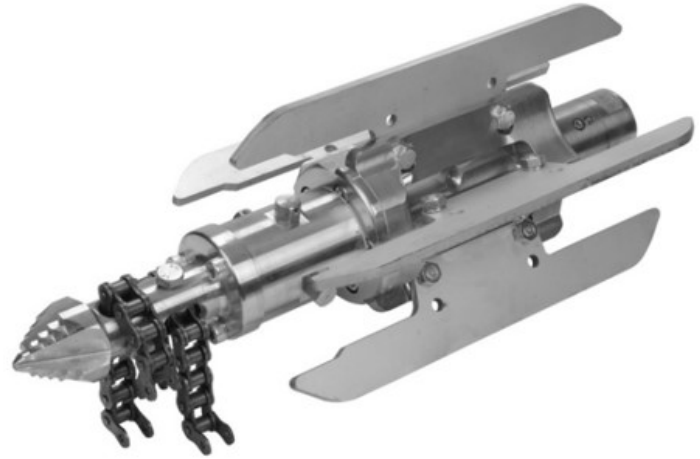
KEG SUPER CUTTER PLUS 200					
Part Number	Number of Inserts	Insert Part Number	Pipe Size	Weight	Dimensions
200151-C	12 5	(M6) G00100175 (M14) G00100174	8" – 20"	39.5lbs	25" x 7"
KEG SUPER CUTTER PLUS EXPANSION KIT TO 32"					
200901-C	4	(M6) G00100175	22" – 32"		
KEG SUPER CUTTER PLUS EXPANSION KIT TO 48"					
200902-C	N/A	N/A	32" – 48"		
Ceramic Inserts are recommended for use with Chain Cutters					



The Difference Is Performance!

SUPERNOVA 4000

6" - 48" pipe all in one cutter!



Advantages

- Stainless steel construction
- High speed, High torque water driven design
- Easily configured for multiple jobs
- Roller chain is forgiving on pipe walls
- Operates in egg-shaped pipe
- Kit includes Case, Tools and Manual
- Clean with soap and water

Technical Specifications

- Skids and distance plates included for pipes 6"-16"
- No lubrication for the main body required
- 1.25" swivel is the standard configuration
- Reducers or expanders available (optional)
- 2 heavy duty roller chains for cutting
- 2,500-10,000 RPM
- Pump flow minimum of **60 GPM & 1700 PSI required**
- Tier Two nozzle
- Titanium ceramic inserts included
- 15 feet of chain included
- Chain blocks available for hardened deposits (optional)
- Spray bar attachments available (optional)
- Pulling device available (optional)

QUICK FACTS

- Pipe Range: 6"-48"
- Flow Range: 60 GPM - 150 GPM
- Pressure Range: 1700 PSI - 3000 PSI
- Hose Sizes: 1" , 1.25" , 1.5"

Applications

- SANITARY, STORM
- 6"-16" pipe range with optional expansion kits for pipes up to 48"
- Roots, Scaling, Rust, Grease, Minerals, Protruding Taps, Concrete
- Compatible with all pipe materials (PVC, Clay, Iron, Concrete)
- Use with 1", 1.25", or 1.5" hose

KEG SUPERNOVA 4000 CHAIN CUTTER					
Part Number	Number of Inserts	Insert Part Number	Pipe Size	Weight	Dimensions
200400-C	8	(M6) G00100175	6-16"	50lbs	22" x 5.25"
	4	(M14) G00100174			
KEG SUPERNOVA EXPANSION KIT TO 24"					
200402-C	4	(M6) G00100175	16 – 24"		
KEG SUPERNOVA EXPANSION KIT TO 32"					
200403-C	4	(M6) G00100175	24 – 32"		
KEG SUPERNOVA EXPANSION KIT TO 48"					
200404-C	N/A	N/A	32 – 48"		
Ceramic Inserts are recommended for use with Chain Cutters					

SPECIALTY NOZZLE FAMILY

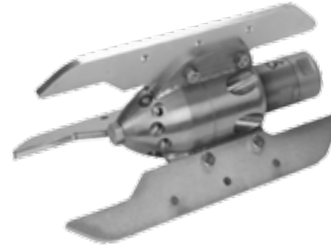
The perfect solution to your unique pipe cleaning applications!



*Aqua Power 700
Nozzle*



*R2D2-1
Nozzle*



*Equalizer
Nozzle*



*DUCE
Nozzle*

The **Aqua Power 700 Nozzle** is KEG's newest controlled speed rotational nozzle. By simply increasing or decreasing the pressure in the water system, the speed of rotation can be controlled by the operator. The Aqua Power 700 is an excellent all around cleaning and grease removal nozzle for pipelines, manholes and lift stations. The Aqua Power 700 comes with 4 welded skids, additional removable skids for larger pipes, a high pressure swivel, and is furnished with titanium ceramic inserts.

The **R2D2-1 Nozzle** is KEG's controlled speed rotational nozzle for smaller applications. The R2D2-1 combines lightweight versatility and cleaning for low flow machines running a minimum of 12GPM and an operating pressure of 2000 PSI. By simply increasing or decreasing the pressure in the water system, the speed of rotation of the R2D2-1 can be controlled by the operator. The R2D2-1 is an excellent all around cleaning and grease removal nozzle for pipelines. The R2D2-1 comes with a 4 inch skid (optional 6 inch skid available), titanium ceramic inserts, and a high pressure swivel.

The **Equalizer Nozzle** is one of KEG's most unique nozzles, specially designed to virtually eliminate blowing toilets. Twelve forward jets at dual angles not only clean but create an umbrella pattern blocking airflow that creates problems blowing toilets. Six powerful rearward jets with KEG's high efficiency patented Fluid Mechanics provide the ultimate in propulsion, cleaning and debris removal. Rest assured the Equalizer Nozzle by KEG Technologies will help reduce or eliminate residential complaints.

The **Duce Nozzle** is KEG's vibrating rotational nozzle. Using the same water driven rotation as our conventional Rotor Nozzles, the Duce literally vibrates pipe deposits away. The Duce has sprocket-like front and rear end caps that use the vibrating action in the pipeline to break up hard scale and deposits. The Duce is ideal for removing grout and mortar residue, scaling, tuberculation or other deposits that have hardened to the pipe wall or floor.

The operator should be careful to determine the overall condition of the pipe via a camera inspection before using the nozzle. *Do not use the Duce in pipes that display cracks, fissures or other damage! The Duce nozzle is not recommended for use in clay pipe!*

AQUA POWER 700 NOZZLE

Advantages:

- Multiple applications with one nozzle
- Cuts with water rather than chain
- Controlled rotational speed
- Optional expansion kit to 24" pipe diameter
- No maintenance or lubrication required
- Individual jets for cleaning, propulsion, penetration, & rotation
- Rear jets can be plugged for manhole cleaning



Applications:

- SANITARY, STORM
- Cleaning with forward jets
- Grease removal
- Small to medium roots
- Hardened deposit removal
- Manholes and lift stations

QUICK FACTS

- Pipe Range: 6"-24"+
- Flow Range: 50 GPM - 120 GPM
- Pressure Range: 1700 PSI - 3000 PSI
- Hose Sizes: 0.75", 1" , 1.25"

Technical Specifications:

- Controlled speed directional cleaning utilizing centrifugal clutches
- Main nozzle body will fit in 6" pipe
- Bolt-on skids (included) increase nozzle body diameter to 8"
- Optional penetrating forward jets for cleaning, grease removal and manhole rehabilitation
- Replaceable threaded Titanium ceramic inserts
- Streamlined skids improve maneuverability and decrease snags
- Nozzle body made of highly wear-resistant, stainless steel

AQUA POWER 700 NOZZLE						
Part Number	Hose Size	Number of Inserts	Insert Part Number	Weight	Dimensions	Pipe Size
100276-C	¾" – 1 ¼"	10	(6) M8 G00100177 (4) M14 G00100174	22.75lbs	10" x 5.4"	from 6"
The Aqua Power 700 nozzle is offered with ceramic inserts only.						

R2D2-1 NOZZLE

Advantages:

- Multiple applications with one nozzle
- Controlled rotational speed
- No maintenance or lubrication required
- Individual jets for cleaning, propulsion, & rotation
- Cuts with water rather than chain

Applications:

- SANITARY
- Grease removal
- Small root removal
- Scouring of pipe walls
- Mineral deposit removal
- Manholes and lift stations



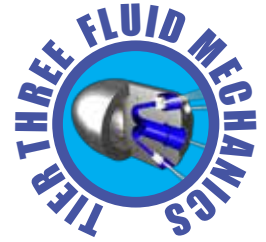
QUICK FACTS

- Pipe Range: 4", 6"
- Flow Range: 16 GPM - 40 GPM
- Pressure Range: 1700 PSI - 2400 PSI
- Hose Sizes: 3/8" - 3/4"

Technical Specifications:

- Controlled speed directional cleaning utilizing centrifugal clutches
- 4" centering skid included
- 6" centering skid is available as an option
- Replaceable threaded Titanium ceramic inserts
- Use centering skids to prolong nozzle life
- Nozzle body made of highly wear-resistant, stainless steel
- Front orifice is a pressure relief valve

R2D2-1 NOZZLE						
Part Number	Hose Size	Number of Inserts	Insert Part Number	Weight (pounds)	Dimensions	Pipe Size
100270-C	3/8" - 3/4"	7	M6 G00100175	4.5lbs	3.2" x 1.8"	from 4"
The R2D2-1 nozzle is offered with ceramic inserts only						

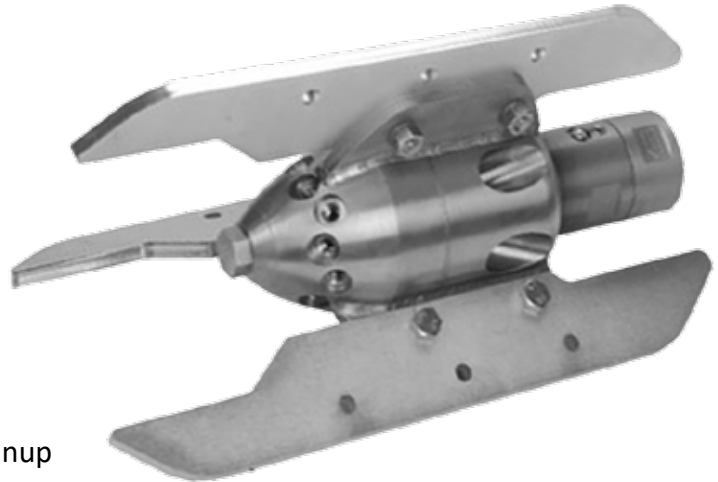


EQUALIZER NOZZLE

Virtually eliminates blowing toilets with 12 forward jets that equalize air pressure in the pipe!

Advantages:

- Virtually Eliminates Blowing Toilets
- Use with as low as 50 GPM
- Custom tuned to your jetting specifications
- Replaceable titanium ceramic inserts
- No maintenance or lubrication required



Applications:

- SANITARY, SEWER
- Effectively clean problem lines
- Save time & money by reducing residential cleanup
- Shallow pipe lines with blowing/sucking events
- Excellent general cleaning nozzle

Technical Specifications:

- 12 forward jets reduce vacuum effect
- Bolt-on skids (included) increase nozzle body diameter to 8"
- Replaceable titanium ceramic inserts
- High pressure swivel included
- Nozzle body made of highly wear-resistant, stainless steel

QUICK FACTS

- Pipe Range: 6"+
- Flow Range: 50 GPM - 130 GPM
- Pressure Range: 1000 PSI - 3000 PSI
- Hose Sizes: 0.75", 1" , 1.25"

KEG EQUALIZER NOZZLE					
Part Number	Hose Size	Number of Inserts	Insert Part Number	Weight (pounds)	Dimensions
100045-C	1"	12 6	(M8) G00100177 (M14) G00100174	16.95lbs	6.4" x 3.1"
100046-C	1.25"	12 6	(M8) G00100177 (M14) G00100174	16.75lbs	6.4" x 3.1"
The Equalizer nozzle is offered with ceramic inserts only					

DUCE NOZZLE

A vibration nozzle that beats away hardened material on the bottom of the pipe!

Advantages:

- Unique vibrating ‘Jackhammer’ action
- Replaceable titanium ceramic inserts
- No maintenance or lubrication required
- More efficient than cutting and milling

Applications:

- SANITARY, STORM
- Scale removal
- Mineral deposits
- Tuberculation
- Concrete, asphalt

Technical Specifications:

- DO NOT USE IN CLAY PIPE
- Nozzle body made of highly wear-resistant, stainless steel



QUICK FACTS

- Pipe Range: 2”+
- Flow Range: 5 GPM - 125 GPM
- Pressure Range: 1300 PSI - 2000 PSI
- Hose Sizes: 0.375” - 1.25”

KEGG DUCE NOZZLE						
Part Number	Hose Size	Number of Inserts	Insert Part Numbers	Weight lbs.	Dimensions	Pipe Size
100109-C	1.25"	9	G00100175 (5) G00100173 (4)	13.8lbs	6.5" x 4"	from 6"
100108-C Duce Large	1.00"	9	G00100175 (5) G00100173 (4)	14.4lbs	6.5 x 4."	from 6"
101108-C Duce Small	1.00"	9	G00100175 (5) G00100173 (4)	6.25lbs	5" x 3"	From 4"
100107-C	0.75"	8	G00100175 (5) G00100173 (3)	6.5lbs	5" x 3"	from 4"
100106-C	0.50"	7	G00100175 (7)	1.75lbs	3.4" x 1.8"	from 4"
100105-S	.375	Factory	N/A	.45lbs	2.0" x 1.30"	From 2"
The Duce nozzle is offered with ceramic inserts only						

FLOOR CLEANER FAMILY

Maximum power for large diameter pipe!

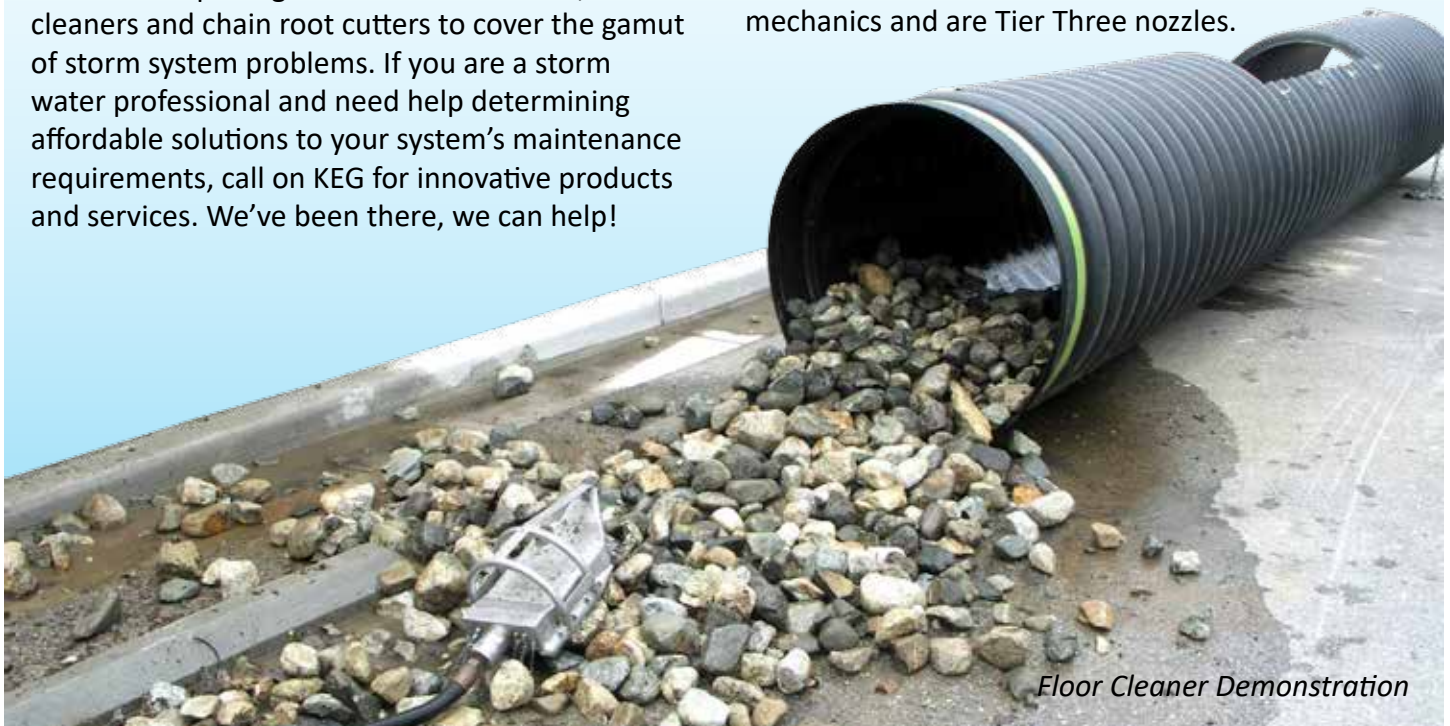


Storm Water Infrastructure – Evolution of Maintenance Requirements

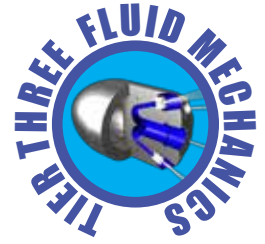
KEG has long been a leader in developing products for the storm water market. As Federal requirements for greater storm water system monitoring and maintenance grow, storm water departments are facing more and more demands on their budgets, manpower, and expertise. KEG's line of products for storm water line maintenance include a wide variety of tools, including chain cutters, floor cleaners, and large diameter cleaning nozzles like our Sewer & Royal nozzles. Since 2009, KEG has offered our customers storm water packages that include nozzles, floor cleaners and chain root cutters to cover the gamut of storm system problems. If you are a storm water professional and need help determining affordable solutions to your system's maintenance requirements, call on KEG for innovative products and services. We've been there, we can help!

Superior Design Equals Superior Performance

Due to our advanced design fluid mechanics, the flow from the high pressure water hose is converted to maximum cleaning power in each jet of the floor cleaner. The resulting flow from the various jets, as well as the jet angle design make these floor cleaners ideal for removing sludge, mud, and other compacted materials and heavy debris (rocks, bricks, broken concrete, etc.) from storm lines, detention systems, culverts, and large sanitary lines. KEG's unique roll cage design also ensures that our floor jet cleaner will return to its upright position to perform as designed. KEG's Floor Cleaners feature our high performance fluid mechanics and are Tier Three nozzles.



Floor Cleaner Demonstration



FLOOR CLEANER NOZZLES

Extreme power for bottom cleaning and heavy debris removal



Advantages:

- Self righting design
- Fillable weight port for high flow conditions
- Reduced operating costs
- High efficiency cleaning
- Superior water pattern design

Applications:

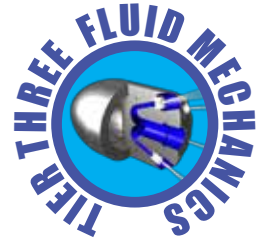
- SANITARY, STORM
- Heavy or compacted solids
- Removal of sludge
- Tandem applications (culverts)
- High pump flow applications
- Large stone & brick removal

K E G FLOOR CLEANER FAMILY					
Part Number	Recommended flow rates	Number of Inserts	Weight (pounds)	Dimensions	Pipe Size
100125	from 80	14	51.35lbs	11.25" x 18"	from 20"-72"
100124	65 to 120	12	44.6lbs	10.5" x 18"	from 16"-60"
100123	50 to 80	10	44.75lbs	10.25" x 18"	from 12"-48"
100122	30 to 80	8	33.40lbs	8.25" x 17.5"	from 10"-36"
100121	30 to 60	6	28.85lbs	6.5" x 16.25"	from 8"-24"
100120	18 to 40	5	18.75lbs	3.75" x 10.25"	from 4"-12"

Please indicate "-C" for ceramic inserts or "-S" for steel inserts after each part number.

THE TWINS

Efficient cleaning of big bore, heavy debris pipe



Advantages & Applications:

- Wide water pattern
- Dual water feed capabilities
- Complete package incl. fittings
- Large diameter lines
- Box culverts

Utilizing two floor cleaners with KEG high performance fluid mechanics, working in tandem with a Y - connector and other fittings, “The Twins” allow the crew the ability to clean large box culverts, arch pipe, or large diameter round pipes in a more efficient manner.

“The Twins” can utilize any KEG Floor Cleaner pair depending on flow and pressure available. Units run parallel in a large diameter pipe. By using spacer bars and dual water feed lines, the twin units provide a uniform cleaning pattern over a wide diameter.

K E G TWIN FLOOR CLEANERS

Part Number	Description	Recommended flow (GPM)	Weight (LBS)	Dimensions (width)	Pipe Diameters
100121-T	(2) 6 jet floor cleaners	60+ GPM	58		From 48"
100122-T	(2) 8 Jet Floor Cleaners	80 + GPM	66		From 60"
100123-T	(2) 10 Jet Floor Cleaners	80 GPM	85		From 72"
100124--T	(2) 12 Jet Floor Cleaners	120+ GPM	85		From 84"
100125-C-T	(2) 14 Jet Floor Cleaners	120+ GPM	102		From 84"

Please indicate “C” for Ceramic or “S” for Steel when Ordering

100119-Twin Accessories	Components to turn individually purchased floor cleaners into “TWINS”	N/A	N/A	N/A	N/A
G00100184	45 or 90 Degree Angle Adapters – Please specify at order	VARIOUS	N/A	N/A	creates a wider water pattern on the outside jets



The Difference Is Performance!

CLEANING NOZZLE FAMILY

Go-to nozzles for everyday use!

Our cleaning nozzle family includes a variety of products designed to aid you in routine pipe cleaning and maintenance applications. They are each unique in jet angles, jet quantities, and jet locations, and will clean pipe ranging from 2" to 48". Read ahead to find the right tool that fits your job and budget!



Standard Nozzle



Ball Nozzle



Forward Jet Nozzle



Standard Egg Nozzle



Egg Devastator Nozzle



Sewer Flush Nozzle

TIER ONE

Lower Efficiency, Shorter Life Span

TIER TWO

Better Efficiency, Longer Life Span



Royal Nozzle



Torpedo Nozzle



Sewer Nozzle



Cleaning Nozzle



Traction Nozzle

TIER THREE

Most Efficient & Most Powerful Fluid Mechanics, Longest Life Span

STANDARD NOZZLE

Small, maneuverable nozzles suitable for residential sewer cleaning applications

Standard Nozzles are KEG's Tier one nozzles that come with factory drilled orifices. For small, residential applications, these nozzles are typically used. Standard nozzles have a one year warranty. Standard nozzles fit 1/4" to 1 1/4" hoses and will work effectively in 2" to 12" lines.

Advantages:

- Optional forward jet
- Wear resistant
- Cost competitive

Applications:

- SANITARY
- Optional forward jet
- Wear resistant
- Cost competitive



K E G STANDARD NOZZLE				
Part Number	Hose Size	Weight	Dimensions	Pipe Size
100094	1.25"	2.20 lbs.	3.75" x 2.375"	5" to 12"
100092	1.00"	1.3 lbs.	3.25" x 2"	4" to 10"
100090	0.75"	0.7 lbs.	2.375" x 1.5"	4" to 8"
100088	0.50"	0.3 lbs.	2" x 1.25"	3" to 6"
100084	0.38"	0.1 lbs.	1.0" x 1.0"	2" to 4"
100086	0.25"	0.1 lbs.	1.0 "x 1.0"	2" to 4"

Please indicate **"-S" for steel forward jet insert** after each part number –all replaceable forward jet nozzles now come with an additional blank steel insert included.

BALL NOZZLE

Rounded edges for easy maneuverability and ideal for cleaning service laterals

Ball Nozzles are KEG’s Tier One nozzles that come with factory drilled orifices. For small, residential applications, these nozzles are typically used. Ball and nozzles have a one year warranty. KEG’s Ball nozzles are suitable for 1” to 6” pipes, and fit a 3/8”, 1/4” or 1/2” hose.

Advantages:

- Optional forward jet
- Wear resistant
- Cost competitive Tier 1 nozzle
- Rounded edges

Applications:

- SANITARY
- Residential applications
- Services & Laterals



K E G BALL NOZZLE				
Part Number	Hose Size	Weight (pounds)	Dimensions	Pipe Size
100117	0.5"	0.2	1.25" x 1.25"	from 3"
100113	0.375"	0.2	1.0" x 1.0"	from 2"
100115	0.25"	0.2	1.0" x .875"	from 1"

Please indicate **"-S"** for **steel forward jet insert** after each part number – all replaceable forward jet nozzles now come with an additional blank steel insert included.

FORWARD JET NOZZLE

For cleaning of residential services and other lines where a one directional flow of water and debris is necessary

Available in 1/2" connections only, the Forward Jet Nozzle has seven forward inserts and zero rear inserts. All water is pushed forward out of the nozzle, toward the clog or obstruction, and away from the home. The Forward Jet Nozzle is available in 15 GPM, 20 GPM, or 30 GPM configurations.

7 Forward Jets



Technique for using the Forward Jet Nozzle:

The operator should feed the hose into the service lateral by hand, activate the jetter, then force the clog toward the sewer main. When the nozzle returns to the cleanout, shut down the water and repeat the process until the service lateral is clear.

Advantages:

- Moves debris away from the residence or business
- Cost effective Tier 1 nozzle
- No back-flow into the house or structure
- Wear resistant

Applications:

- SANITARY
- Residential applications
- Laterals & services

K E G FORWARD JET NOZZLE					
Part Number	Hose Size	Number of Inserts	Weight (pounds)	Dimensions	Pipe Size
100118	0.5"	7	1.0	1.375" x 1.25"	from 3"
<p>The Forward Jet nozzle uses 7 inserts and comes pre-configured for 15 gpm, 20 gpm or 30 gpm. 700 psi is the recommended maximum pressure.</p>					

STANDARD EGG NOZZLE

Light and agile all-around cleaning nozzle

This nozzle is an upgrade from the Standard Nozzle. Instead of drilled jets, it comes with replaceable inserts available in either steel or titanium ceramic.

Advantages:

- Optional penetrating jet
- Cost competitive Tier 2 nozzle
- Available with 15 degree or 30 degree jets
- Replaceable inserts prolong nozzle life
- Wear resistant
- Made of 300 series hardened stainless steel

Applications:

- SANITARY
- Residential applications
- Flushing (15 degree)
- Cleaning (30 degree)



Forward Penetrator

4 Rear Jets at 15° or 30°

K E G STANDARD EGG NOZZLE					
Part Number	Hose Size	Number of Inserts	Weight (pounds)	Dimensions	Pipe Size
100215	1.25"	1 forward, 4 rear	2.6	3.375" x 2.5"	from 8"
100214	1.00"	1 forward, 4 rear	1.5	2.75" x 2.25"	from 6"
100213	0.75"	1 forward, 4 rear	0.8	2.375" x 1.5"	from 3"
100212	0.50"	1 forward, 4 rear	0.6	1.25" x 2.0"	from 2"
100210-S	0.25"	1, factory	0.4	1.25" x .875"	from 1"
100211-S	0.38"	1, factory	0.4	1.25" x .875"	From 1"

Please indicate **"-C"** for ceramic inserts or **"-S"** for steel inserts after each part number. All replaceable forward jet nozzles now come with an additional blank steel insert included.

EGG DEVASTATOR NOZZLE

Light and agile all-around cleaning nozzle with penetrating and blockage busting capabilities

Advantages:

- Multiple forward jets
- Cost competitive Tier 2 nozzle
- Available with 30 degree jet angles
- Replaceable inserts prolong nozzle life
- Wear resistant
- Made of 300 series hardened stainless steel

Applications:

- SANITARY
- Residential applications
- Service laterals as well as mains
- Blockages
- Fits 0.375" - 1.25" hose



**4 Forward
Jets**

**3 Rear Jets
at 30°**

K E G EGG DEVASTATOR NOZZLE

Part Number	Hose Size	Number of Inserts	Weight	Dimensions	Pipe Size
100223	1.25"	7 (3 rear, 4 forward)	1.1	2.75" x 2.0"	from 4"
100222	1"	7(3 rear, 4 forward)	1.1	2.1875" x 1.5"	from 4"
100221	.75	7(3 rear, 4 forward)	0.7	1.75" x 1.875"	From 3"
100220	.50	7(3 rear, 4 forward)	.40	1.375" x .75"	from 2"
100219-S	.375	7 (3 rear, 4 forward)	.40	.875 x .875	from 2"

Please indicate "-C" for ceramic inserts or "-S " for steel inserts after each part number.

SEWER FLUSH NOZZLE

Excellent efficiency for a competitive price

KEG's Sewer Flush Nozzle is a heavy duty cleaning nozzle that provides superior results while being more cost competitive. The power of the Sewer Flush's 15 and 25 degree jet angles gives the operator high wall force with a wide water pattern necessary to clean large diameter pipes. The Sewer Flush is available with replaceable steel or titanium ceramic inserts and is an excellent mid-range complement to the other products in KEG's Cleaning nozzle family.

Advantages:

- 15° and 25° Dual Jet Angles
- Cost competitive Tier 2 nozzle
- Replaceable threaded inserts
- High wall force cleaning
- Heavy dragging nozzle

Applications:

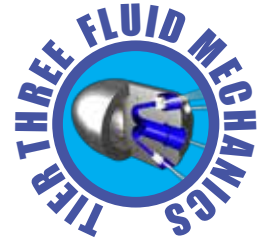
- SANITARY, STORM
- Pipes up to 24"
- General Sewer Cleaning
- Fits 0.375" - 1.25" hose



Rear Jets at 15° & 25°

K E G SEWER FLUSH NOZZLE					
Part Number	Hose Size	Number of Inserts	Weight (pounds)	Dimensions	Pipe Size
100104	1.25"	10	22.0	7" x 3.5"	from 8"
100103	1.00"	10	15.0	5.875" x 3.5"	from 8"
100102	0.75"	8	15.0	3.5" x 2.5"	from 6"
100101	0.50"	5	0.8	2" x 1.5"	from 4"
100100-S	0.25"	factory	0.4	1.25 " x 8.25"	from 3"
100098-S	0.375"	factory	0.4	1.25 x 8.25"	from 3"

Please indicate "-C" for ceramic inserts or "-S" for steel inserts after each part number.



ROYAL NOZZLE

Maximum cleaning power in large diameter pipes

The "heaviest weapon" in KEG's cleaning nozzle family is the Royal nozzle. With 12 alternating jets at 22° and 32°, the Royal nozzle is designed for all around cleaning of pipes up to 48" in diameter.

The sheer weight of the Royal Nozzle keeps it on the bottom of the pipe for effective cleaning when other nozzles are flailing about wasting water.

The 12 insert set-up can be configured in steel or titanium ceramic. The Royal is a Tier Three nozzle, features KEG's highest performing fluid mechanics and is over 95% efficient!



12 Jets at 22° and 32°

Advantages:

- 95+% efficiency, Tier 3 Nozzle
- 22° and 32° alternating jet angles
- High wall force in large diameter pipes
- Reduced water & energy consumption
- Time saving
- Replaceable threaded inserts

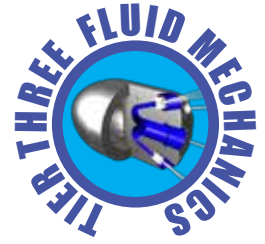
Applications:

- SANITARY, STORM
- General sewer cleaning
- Heavy debris removal
- Mud & sand
- Pipes 12"-48"



K E G ROYAL NOZZLE					
Part Number	Hose Size	Number of Inserts	Weight (pounds)	Dimensions	Pipe Size
100023	1.50"	12	17.6	7.5" X 4.375"	12" to 48"
100022	1.25"	12	17.6	7.5" X 4.375"	12" to 48"
100021	1.00"	12	17.6	7.5" X 4.375"	12" to 48"
100020	0.75"	12	17.6	7.5" X 4.375"	12" to 48"

Please indicate "-C" for ceramic inserts or "-S" for steel inserts after each part number.



TORPEDO NOZZLE

Extreme pipe cleaning power with high efficiency fluid mechanics

With its aerodynamic shape and hefty mass, the Torpedo Nozzle does indeed resemble something fired by the US Navy. This, in conjunction with its superior fluid mechanics, allows the Torpedo to stay in the bottom of a pipe, providing steady, high efficiency pipe cleaning.

Suitable for pipes from 6" to 16", the Torpedo will provide unequalled cleaning power for the operator, and will save fuel, water, and man-hours. Our customers depend on the Torpedo as one powerful cleaning tool that pays for itself over and over again.

The 8 insert set-up can be configured in steel or titanium ceramic. The Torpedo is a Tier Three nozzle, features KEG's highest performing fluid mechanics and is over 95% efficient!



**8 Jets at
12° and 18°**



Advantages:

- 95+% efficiency, Tier 3 Nozzle
- 12° and 18° alternating jet angles
- Extreme cleaning power
- Saves time, water & energy
- Replaceable threaded inserts

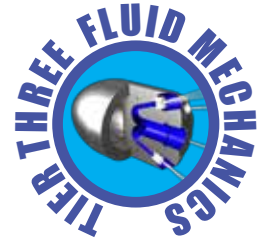
Applications:

- SANITARY, STORM
- All around cleaning
- Heavy debris removal
- Everyday nozzle
- Pipes 6"-16"

K E G TORPEDO NOZZLE

Part Number	Hose Size	Number of Inserts	Weight (pounds)	Dimensions	Pipe Size
100033	1.50"	8	14	7" X 3.5"	6" to 16"
100032	1.25"	8	14	7" X 3.5"	6" to 16"
100031	1.00"	8	14	7" X 3.5"	6" to 16"
100030	0.75"	8	14	7" X 3.5"	6" to 16"

Please indicate "-C" for ceramic inserts or "-S" for steel inserts after each part number.



SEWER NOZZLE

Excellent efficiency for larger sanitary and storm lines

Available for hoses from ¾" through 1.5", KEG's Sewer Nozzle is truly a "Heavy Weight" in the sewer and storm water cleaning industry. The Sewer Nozzle ranges in weight from 17 to 22 pounds and is sure to stay centered in the bottom of the pipe for effective cleaning action.

The 15° and 20° jet angles give the operator high wall force with a wide water pattern necessary to clean large diameter pipes of buildup and debris. The 10 or 12 insert set-up can be configured in steel or titanium ceramic. The Sewer Nozzle is a Tier Three nozzle, and is over 80% efficient!



**10 or 12
Jets at 15°
and 20°**



Advantages:

- 80+% efficiency, Tier 3 Nozzle
- 15° and 20° alternating jet angles
- Heavy dragging nozzle
- High wall force cleaning
- Replaceable threaded inserts

Applications:

- SANITARY, STORM
- General sewer cleaning
- Pipes up to 24"
- Larger hose diameters

K E G SEWER NOZZLE					
Part Number	Hose Size	Number of Inserts	Weight (pounds)	Dimensions	Pipe Size
100043	1.50"	12	22.0	8.25" X 4.375"	6" to 24"
100042	1.25"	12	22.0	8.25" X 4.375"	6" to 24"
100041	1.00"	10	17.6	7" X 3.5"	6" to 18"
100040	0.75"	10	17.6	7" X 3.5"	6" to 16"

Please indicate "-C" for ceramic inserts or "-S" for steel inserts after each part number.

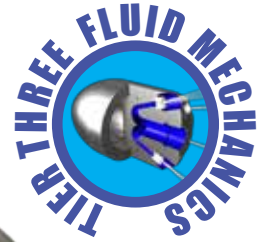
CLEANING NOZZLE

Excellent efficiency for general purpose cleaning

KEG's Cleaning Nozzle is a high-efficiency everyday workhorse nozzle suitable for all around cleaning of 4" to 16" lines. Utilizing 8 threaded inserts with angles of 15° and 25°, the Cleaning nozzle will give the operator efficiency above 80%.

The Cleaning Nozzle also is available in a wide angle version. This nozzle has all the advantages of the 15°/25°, but with wider 25° and 40° degree jet pattern, it gives it the capability of cleaning pipes up to 40". The best application for this nozzle is shallow lines that have blow back and heavy grease.

KEG's Cleaning Nozzle is also available in 3/8" and 1/2" configurations, giving the small jetter operator the advantage of fluid mechanics not normally available in other smaller nozzles.



1/2" Cleaning Nozzle



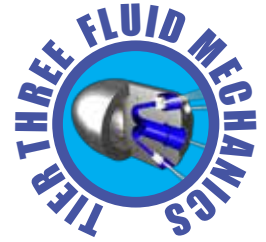
8 Jets at 15° and 25° or 25° and 40°

Advantages & Applications:

- 80+% efficiency, Tier 3 Nozzle, SANITARY & STORM
- 15°/20° or 25°/40° alternating jet angles
- Durable nozzle for everyday general cleaning
- High wall force cleaning
- Wide angles reduce air draw
- Replaceable threaded inserts

K E G CLEANING NOZZLE					
Part Number	Hose Size	Number of Inserts	Weight (pounds)	Dimensions	Pipe Size
100003	1.00"	8	6.6	5" X 3"	4" to 16"
100002	0.75"	8	4.4	4" X 2.5"	4" to 12"
100001	0.50"	8	0.9	1.8" X 1.75"	3" to 8"
100004	0.38"	7	0.7	1.8 X 1.75"	3" to 8"
K E G WIDE ANGLE CLEANING NOZZLE					
Part Number	Hose Size	Number of Inserts	Weight (pounds)	Dimensions	Pipe Size
101103	1.00"	8	6.6	5" X 3"	4" to 40"

Please indicate "-C" for ceramic inserts or "-S" for steel inserts after each part number.



TRACTION NOZZLE

Tight water pattern for efficient cleaning and pulling

The Traction Nozzle is an excellent multi-purpose nozzle. When an extremely tight water pattern is needed for intense directed cleaning and propulsion, few nozzles perform as well as KEG's traction nozzle. With 8° and 12° angled jets, the Traction nozzle will provide tremendous thrust and highly efficient cleaning using KEG's fluid mechanics.

An optional forward penetrating jet can turn the Traction into an efficient penetrating nozzle to blast sand and mud or to create a pathway through heavy debris for other KEG nozzles to be used in the pipe

The 7 insert set-up (6 rear, 1 forward) can be configured in steel or titanium ceramic. The Traction is a Tier Three nozzle, features KEG's highest performing fluid mechanics and is over 80% efficient!

Advantages:

- 80+% efficiency, Tier 3 Nozzle
- 8° and 12° alternating jet angles
- Penetrator and/or Cleaning nozzle
- Replaceable threaded inserts

Applications:

- SANITARY, STORM
- Clears path for other nozzles
- Gentle on deteriorated pipe
- Mud & sand removal



1/2" Traction Nozzle

Optional Forward Penetrator



6 rear Jets at 8° and 12°



K E G TRACTION NOZZLE

Part Number	Hose Size	Number of Inserts	Weight (pounds)	Dimensions	Pipe Size
100017	1.25"	7	6.0	5" X 3"	4" to 12"
100015	1.00"	7	3.2	4.25" X 2.75"	4" to 10"
100013	0.75"	7	2.5	4" X 2.375"	3" to 8"
100011	0.50"	7	0.6	2" X 1.5"	2" to 6"
100009	0.38"	7	0.6	2" X 1.5"	2" to 6"

Please indicate "-C" for ceramic inserts or "-S" for steel inserts after each part number – all replaceable forward jet nozzles now come with an additional blank steel insert included.

ALUMINUM NOZZLES

KEG's Aluminum Nozzles are lighter to handle and have the same great advantages and applications as the nozzles made of Stainless Steel. The Aluminum nozzles are available in Traction, Cleaning, Torpedo, and Royal models only. Nozzle are offered with 1" hose connections but can be used on 1/2" & 3/4" hoses as well with the addition of a reducer. An aluminum nozzle being used with a centering skid will produce 25% more power than a stainless steel dragging nozzle using the same flows and pressures. This further enables the operator to save water, time, and reduce wear and tear on machinery by running a lighter nozzle that is centered in the pipe.



Traction Nozzle



Cleaning Nozzle



Torpedo Nozzle



Royal Nozzle

KEG ALUMINUM NOZZLES

Part Number	Hose Size	Number of Inserts	Weight (pounds)	Dimensions	Pipe Size
107003 (Cleaning)	1.00"	8	2.15	Same as steel	4" to 16"
107015 (Traction)	1.00"	6 rear, 1 front	1.25	Same as steel	4" to 10"
107021 (Royal)	1.00"	12	7.2	Same as steel	12" to 48"
107031 (Torpedo)	1.00"	8	5.2	Same as steel	6" to 16"

Please indicate **"-C"** for ceramic inserts or **"-S"** for steel inserts after each part number.

KEG's recommends using a centering device with our Aluminum line of nozzles to ensure maximum performance and protect from premature wear.

Our standard warranty ONLY applies to aluminum nozzles when used with a skid.



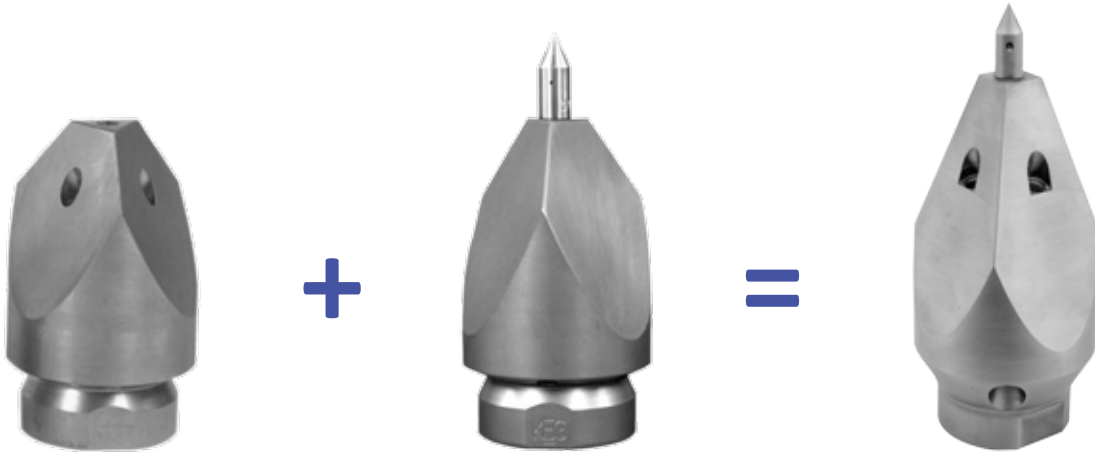
KEG ALUMINUM SKIDS

Part Number	Diameter Size	Weight (pounds)	Length
FE-41ALHD	4.0"	1.25	12"
FE-61ALHD	6.0"	2.15	12"

PENETRATING NOZZLE FAMILY

Designed to handle the toughest clogs and obstructions!

When the toughest clogs and obstructions are encountered in a sewer line, KEG recommends any of our high performance penetrating nozzles for the task at hand. For total blockages caused by roots, grease or other impediments to flow, choose one of our penetrating nozzles available in sizes from .25" to 1.25".

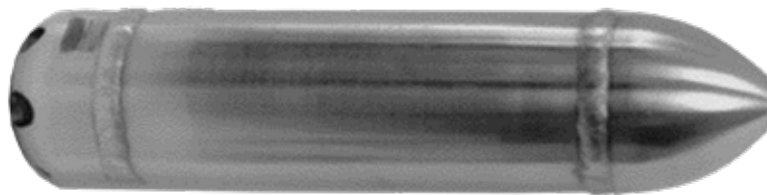


TRIPLE EDGE QUATTRO NOZZLE
(Good thrust, Forward jets)

DRILL POINT QUATTRO NOZZLE
(Better thrust, Drill point)

RAMBO NOZZLE
(Best thrust, Forward jets, Drill point)

TIER ONE & TIER TWO EFFICIENCY



STALLION NOZZLE

(Penetrating & Flushing in small to medium pipe; Heavy debris removal; Gentle on pipe walls)



OMG NOZZLE

(Penetrating & Flushing in larger pipe; Heavy debris removal; Gentle on pipe walls)

TIER THREE EFFICIENCY

TRIPLE EDGE QUATTRO NOZZLE

Reliable obstruction removal with forward jets and sharp edge design

The Triple Edge Quattro nozzle is an excellent penetrating nozzle for a variety of applications. Deformed pipes, sand, mud, roots, trash, or other blockages inevitably yield to this high performance nozzle. The combination of four forward jets and sharp edges of the Triple Edge Quattro make it an ideal selection for total blockage removal.

Triple Edge Quattro nozzles have tier one and tier two efficiency ratings, are manufactured from hardened stainless steel, and are available with steel or titanium ceramic inserts.



Advantages:

- Forward jets
- Sharp chiseled edges
- Cost competitive; Tier 1 & 2
- Replaceable inserts

Applications:

- SANITARY
- Total blockages
- Deformed pipe
- Pipes from 2"+

K E G TRIPLE EDGE QUATTRO NOZZLE (TEQ)

Part Number	Hose Size	Number of Inserts	Weight (pounds)	Dimensions	Pipe Size
100060	1.25"	10	6.00 lbs	7" x 3"	from 4"
100058	1.00"	9	1.85 lbs	4" x 2.5"	from 4"
100058-HX	1.00"	10	1.85 lbs	4" x 2.5"	From 4"
100056	0.75"	9	0.80 lbs	2.75" x 1.75"	from 3"
100056-HX	0.75"	9	0.80 lbs	2.75" x 1.75"	From 3"
100054-S	0.50"	factory	0.30 lbs	2.75" x .875"	from 3"
100054-HX	0.50"	4	0.30 lbs	2.75" x .875"	From 3"
100050-S	0.38"	factory	0.10 lbs	1.25 " x .875"	from 2"
100052S	0.25"	factory	0.10 lbs	1.25" x .875"	From 2"

Please indicate "-C" for ceramic inserts or "-S" for steel inserts after each part number.

DRILL POINT QUATTRO NOZZLE

Penetrating ability and traction characteristics for tough clogs

The Drill Point Quattro is a terrific tool for removing total line blockages. The stainless steel drill tip penetrates the toughest clogs, particularly grease blockages. The 3 jets pre-drilled in the changeable tip then enlarge the opening in the clog, working with the sharp, tapered edges of the Drill Point Quattro.

The loosened debris is then washed down the line by the propulsion jets at the back of the Drill Point Quattro that provide excellent thrust. For low maintenance, high performance penetrating nozzle, the Drill Point Quattro is hard to beat. The Drill Point Quattro is classified as a Tier One or Tier Two nozzle depending on the size and the availability of replaceable inserts. Inserts are available in steel or titanium ceramic.



Advantages:

- Replaceable drill point
- Excellent thrust & traction
- Cost competitive; Tier 1 & 2
- Replaceable inserts

Applications:

- SANITARY
- Total blockages
- Grease penetration
- Pipes from 2"+

K E G DRILL POINT QUATTRO NOZZLE

Part Number	Hose Size	Number of Inserts	Weight (pounds)	Dimensions	Pipe Size
100059	1.00"	6	1.90 lbs	4.8" x 2.3"	from 4"
100057	0.75"	6	0.80 lbs	3.8" x 1.9"	from 3"
100055-S	0.50"	factory	0.40 lbs	2.25 x 1.25	from 3"
100052-S	0.375"	factory	0.30 lbs	1.8" x 0.9"	from 2"
100053-S	0.25"	factory	0.20 lbs	1.8" x 0.9"	From 2"

Please indicate **"-C"** for ceramic inserts or **"-S"** for steel inserts after each part number for 3/4" and 1". The 1/2", 3/8", and 1/4" are only offered with factory steel inserts.

RAMBO NOZZLE

High traction power, drill point and forward jet features provide maximum clog removal

The Rambo Nozzle shares its name with a very “dangerous” warrior of the big screen. However, even the famous movie hero would be hard pressed to emulate the success this nozzle has in removing its “enemies”. The Rambo nozzle combines the best characteristics of all penetrating nozzles into a maximum performance, maximum clog busting nozzle with its wedge-shaped design, drill point, and excellent thrust.

The Rambo Nozzle is sure to get you out of a jam at 2am when flow needs to be restored and clogs need to be eliminated. The Rambo can be configured with steel or titanium ceramic inserts.



Advantages:

- 3 nozzles in one
- Maximum penetration
- Replaceable drill point
- Replaceable inserts
- Tier Two (3/4"+)

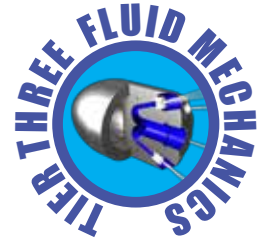
Applications:

- SANITARY, STORM
- Total blockages
- Roots, grease, ice, stone, sand, rags,
- Small to large pipe

K E G RAMBO NOZZLE

Part Number	Hose Size	Number of Inserts	Weight (pounds)	Dimensions	Pipe Size
100064	1.25"	10	5.35 lbs	7.8" x 3"	from 6"
100063	1.00"	10	4.75 lbs	6.7" x 3"	from 4"
100065	0.75"	9	1.55 lbs	4.8" x 2.1"	from 3"
100066-S	0.50"	factory	0.35 lbs	3.25" x 1.2"	from 3"
100067a-S	0.38"	factory	0.10 lbs	1.85" x 0.9"	from 2"
100067-S	0.25"	factory	0.10 lbs	1.8" x 0.9"	From 2"

Please indicate "-C" for ceramic inserts or "-S" for steel inserts after each part number.



STALLION NOZZLE

Excellent for mid to large storm & sanitary lines with heavy debris

The Stallion Nozzle is a new Tier 3 Fluid Mechanics medium-sized nozzle excellent for storm drain or sewer cleaning applications where pipes are heavily exposed to debris, or where pipes are heavily damaged or weakened.

The Stallion is a fantastic flushing nozzle, however, due to the angle of the jets, the Stallion should not be used to clean large pipe walls. The Stallion nozzle is ideal for flushing corrugated metal, concrete, clay, or plastic pipe.

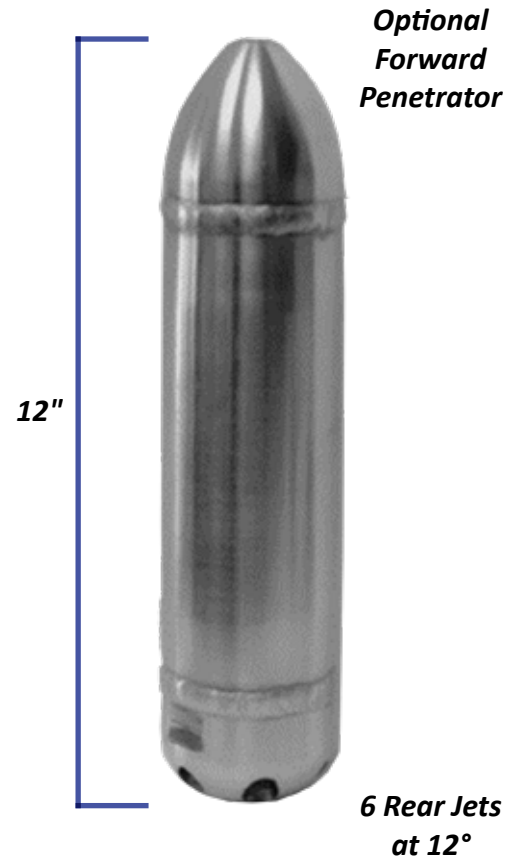
The Tier Three design offers the ability to separate water coming into the nozzle and water coming from the nozzle. The shape and design offers a jet stream ideal for penetrating & flushing debris, or negotiating steep terrain. The Stallion Nozzle is available with titanium ceramic inserts only and has 6 rear jets at 12°.

Advantages:

- Tier 3 Efficiency & Power
- High thrust w/ 12° jets
- Long design spans holes in pipe
- Minimal force on pipe wall
- Replaceable inserts

Applications:

- SANITARY/STORM
- Ability to clean weakened pipe
- Clay, plastic, concrete, PVC, corrugated metal pipes
- Penetrating, flushing, pulling



STALLION NOZZLE WITH OPTIONAL FORWARD JET

Part Number	Hose Size	Number of Inserts	Insert Part #	Weight	Dimensions	Pipe Size
	3/4"	7 (6 rear)	(M8) G00100177	9.40lbs	12" X 3"	From 6"
100264-C	1"	7 (6 rear)	(M8) G00100177	9.40lbs.	12" x 3"	from 6"

The Stallion Nozzle is only available with Ceramic inserts

O.M.G. NOZZLE

For cleaning commercial pipe where pressure on the pipe wall is not desirable

The OMG Nozzle is a new Tier 3 Fluid Mechanics large nozzle suitable for storm drain or sewer cleaning applications where pipe walls may be compromised and pressure on the pipe wall is not desired. The OMG is ideal for cleaning deteriorated pipe, corrugated metal pipe, or concrete pipe.

The OMG nozzle offers Superior performance in damaged or deteriorated pipe. The Tier Three design offers the ability to separate water coming into the nozzle and water coming from the nozzle. The large shape and design of the OMG provides optimal cleaning with minimal to no damage to the integrity of the pipe.

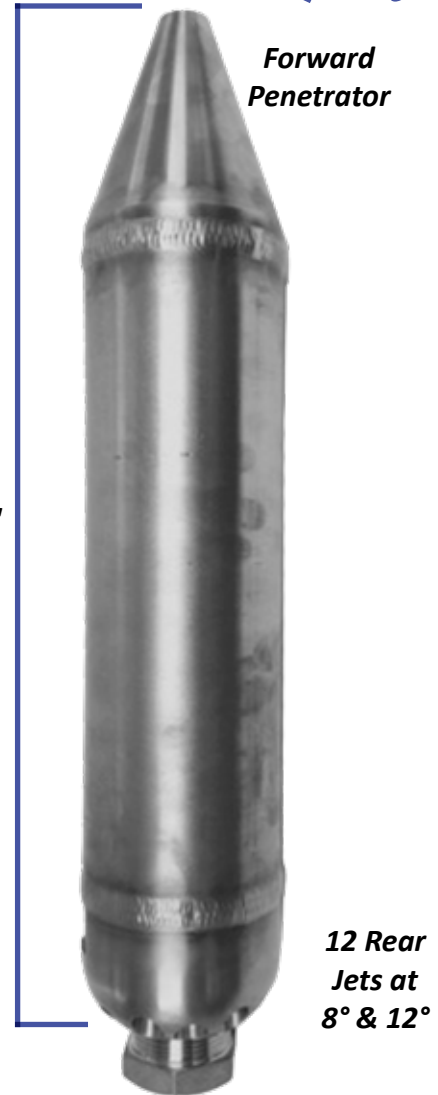
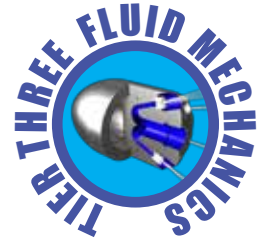
The OMG Nozzle is available with titanium ceramic inserts only and has 12 rear jets at 8° & 12°. Reducers can be added to adjust the hose connection size from 1.25" down to 1" or 3/4".

Advantages:

- Tier 3 Efficiency & Power
- High thrust w/ 8° & 12° jets
- Long design spans holes in pipe
- Minimal force on pipe wall
- Replaceable inserts

Applications:

- SANITARY/STORM
- Pipe with no bottom
- Concrete & corrugated metal
- Penetrating, flushing, pulling
- Clearing a path for other nozzles



O.M.G. NOZZLE WITH FORWARD JET

Part Number	Hose Size	Number of Inserts	Insert Part #	Weight	Dimensions	Pipe Size
100266-C	1-1/2 down to 3/4	13 (12 rear)	G00100177	28.55lbs.	18.25" x 3.8"	from 8"

The OMG Nozzle is only available with Ceramic inserts

FINISHING NOZZLE FAMILY

Ensuring perfectly cleaned pipe for a streak-free inspection!

When contractors or municipalities "finish" a pipe cleaning job, they often view streaks on the pipe walls during their video inspection. These "streaks" are actually grease residue that has not been removed by the other cleaning processes. KEG offers our Rotor Nozzle for this purpose. The free spinning Rotor will remove those last grease deposits, along with tender roots and other vegetation, to "ensure perfectly cleaned pipe and a finished job", hence our finishing label.



1" Rotor Nozzle



1/2" Rotor Nozzle



1/4" Rotor Nozzle

Rotor nozzles run the gamut of pipe size applications, ranging from 1/4" to 1 1/4" hose threads, and from 4" to 20" pipe. The unique nozzle insert configuration provides both propulsion and a rotating body action. This rotation ensures that pipes are thoroughly cleaned in all 360° of the pipe surface. Though primarily intended for grease removal, the Rotor Nozzle is equally adept at removing scaling, crusts, and small root tendrils and other tender vegetation. Maintenance simply requires removal of the top cap and cleaning of the rotational shaft; this can be done in a matter of minutes. There are no bearings to oil or lubricate and no repair kits to install! Remember, the Rotor Nozzle should be the last nozzle up the pipe before TV inspection! KEG's Rotor Nozzles are available with steel or titanium ceramic inserts. Our Rotors are classified as Tier Two nozzles.

ROTOR NOZZLES

A 360° maintenance tool that provides the finishing touch

KEG's Rotor Nozzles are an excellent tool for complete pipe cleaning when removing the remnants of grease, roots, and scale before TV inspections. It should be noted, however, that **a Rotor is NOT a cleaning nozzle** and should not be used in cleaning applications. Rotors are intended to remove the grease and sludge that remain in lines after an 80 percent cleaning has been accomplished. This sludge is the adhesive for the next clog to begin. KEG Rotor Nozzles are made with our unique water driven design and requires No Form of lubrication for maintenance and operation. Don't use grease, oils, or other lubrication when performing maintenance on this nozzle. KEG Rotor Nozzles are Tier Two nozzles.



Advantages:

- High rotational speed
- Reversible rotating barrel
- No lubrication required
- Ease of maintenance
- Replaceable inserts

Applications:

- SANITARY
- Use before video inspection
- Grease & scale removal
- Small roots & vegetation
- Manholes & lift stations

K E G ROTOR NOZZLES					
Part Number	Hose Size	Number of Inserts	Weight (pounds)	Dimensions (L x W)	Pipe Size
100074	1.25"	9	8.6 lbs	5.5" X 3.0"	6" to 20"
100073	1.00" small	9	4.4 lbs		6" to 20"
100073	1.00" large	9	8.5 lbs		
100072	0.75"	8	4.6 lbs	4.375" X 2.5"	4" to 12"
100071	0.50"	7	1.3 lbs	3" X 1.75"	3" to 10"
100069	0.38"	4	0.2 lbs	2.5" X 1.25"	2" to 8"
100070	0.25"	4	0.3 lbs	2.5" X 1.25"	2" to 6"

Please indicate "-C" for ceramic inserts or "-S" for steel inserts after each part number.

HYDRO EXCAVATION NOZZLE FAMILY

Turn your Jetter into a digging machine!

Hydro excavation is often a more precise and safer way of digging than with traditional mechanical means. KEG offers nozzles for these applications with either stationary or oscillating digging jets depending on your needs. Our Hydro Excavation Nozzle, Hand Injector Nozzle, and Old Style Twister Nozzle are all suited for 1/2" hose connections, with the New Style Twister Nozzle offering multiple connection sizes.

HYDRO EXCAVATION NOZZLE

Excellent for digging

Advantages & Applications:

- Excellent for Hydro Excavating
- Flow ranges from 4 gpm - 25 gpm
- 4 Replaceable front jets, 0 rear jets
- Stainless steel body
- Strictly for Hydro Excavating



HYDRO EXCAVATION NOZZLE				
Part Number	Hose Size	Number of Inserts	Dimensions	Weight (pounds)
100054-HX	1/2"	4 front		0.4 lbs

HAND INJECTOR NOZZLE

Excellent for manual cleaning

Advantages & Applications:

- Excellent for Hydro Excavating & manual cleaning
- Flow ranges from 4 gpm - 25 gpm
- Single replaceable front jet, 0 rear jets
- Stainless steel body
- Not used for cleaning lines



HAND INJECTOR NOZZLE				
Part Number	Hose Size	Number of Inserts	Dimensions	Weight (pounds)
100136	1/2"	1 front		0.4 lbs

TWISTER NOZZLE - OLD STYLE

Oscillating forward jets excellent for hydro excavation and cleaning lines

Advantages & Applications:

- Excellent for Hydro Excavating
- Oscillating front jet cleans & penetrates
- 4 rear jets can be plugged or opened
- Stainless steel body



1/2" Twister-Old Style
High Flow

K E G TWISTER NOZZLE – OLD STYLE				
Part Number	Hose Size	Number of Inserts	Dimensions	Weight (pounds)
102320-C High Flow	1/2"	4 rear	4.75" X 1.75"	2.25
102320-C-X	1/2"	4 rear (plugged)	4.75" X 1.75"	2.25

TWISTER NOZZLE - NEW STYLE

Oscillating forward jets excellent for hydro excavation and cleaning lines

Advantages & Applications:

- Excellent for Hydro Excavating
- Oscillating front jet cleans & penetrates
- 4 rear jets can be plugged or opened
- Stainless steel body
- Available in multiple sizes



1/2" Twister -
New Style
Hydro X

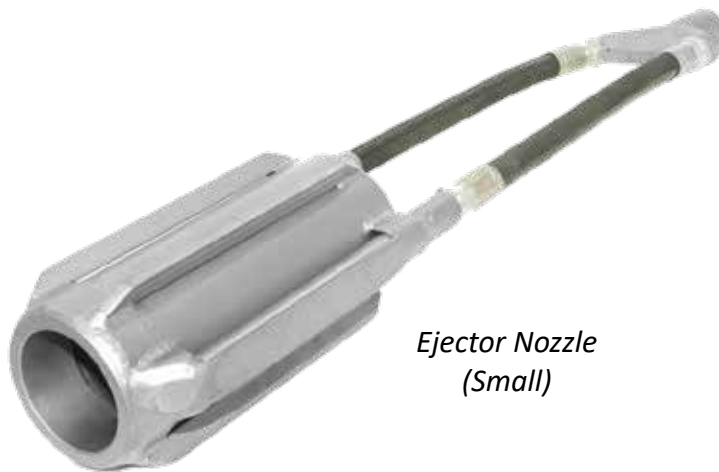
1" Twister -
New Style

K E G TWISTER NOZZLE – NEW STYLE				
Part Number	Hose Size	Number of Inserts	Dimensions	Weight (pounds)
100320-C High-Flow	1/2"	0	3.7" x 1.6"	0.95 lbs
101320-C-X	1/2"	0	2.6" x 1.6"	0.95 lbs
100321-C	3/4"	4	2.6" x 2.6"	
100321-C-X	3/4"	4 (plugged)	2.6" x 1.6"	
100322-C	1"	4	4" x 2.2"	

EJECTOR NOZZLE FAMILY

Soft cleaning for fully charged, large sewer pipes!

Ejector nozzles are suitable for cleaning water bearing pipes only. The special arrangement of the nozzle inserts results in the “soft” cleaning effect, which make the ejector nozzles suitable for cleaning older sewer networks. They use the available water flowing in the sewer to aid the water coming from the pressurized hose thus utilizing the advantages of both cleaning methods. Ejector nozzles are specially suitable for culvert cleaning.



*Ejector Nozzle
(Small)*

EJECTOR NOZZLE (Small)

- For sewer pipe from 10"+
- HP connection 1" inner thread
- 6 nozzle inserts
- Length/width/height: 12.6"/7.1"/7.1"
- Weight: 22.25 lbs.

Part No. 0080 0199

EJECTOR NOZZLE (Large)

- For sewer pipe from 16"+
- HP connection 1" inner thread
- 6 nozzle inserts
- Length/width/height: 16.5"/10.3"/8.7"
- Weight: 46.25 lbs.

Part No. 0080 0200



Deep Sucker Ejector Nozzle

DEEP SUCKER EJECTOR

Used in connection with high pressure jetters, the deep sucker ejector nozzle is for sludge suction at discharge heads of more than 26' to aid the vacuum pump and the high pressure pump. The suction hose couplings are screwed to a 1" thread. It is therefore possible to use different coupling systems; HP connection with 1" union nut.

Part No. 0080 0210



FILLING DEVICE

The filling device serves to fill high pressure jetter tanks from open water reservoirs, which reduces the consumption of drinking water. It is powered from the high pressure pump of the sewer jetter. Place the ejector in water and start the high pressure pump. Make sure that a minimum quantity of water of approx. 50 gallons is still available in the jetter tank.

Part No. 0080 0220

NOZZLE KITS & PACKAGES

Buy more and save!

KEG offers many kit combinations and arrangements. The kits are intended to give the customer options and are customized to fit specific needs and job requirements. Our kits consist of three to four nozzles of the same size with a custom fitted carrying case. Below are some of the most popular nozzle kit combinations listed by size and part number.

1" STARTER KIT

- 1" Cleaning
- 1" Traction
- 1" TEQ

part #: *KIT-1"-STARTER*

1" BASIC KIT

- 1" Rambo
- 1" Cleaning
- 1" Traction
- 1" Torpedo

part #: *KIT-1"-BASC*

1" SANITARY KIT

- 1" Rambo
- 1" Cleaning
- 1" Traction
- 1" Torpedo
- 1" Rotor

part #: *KIT-1"-SANI*

1" KITS

1" STORM KIT

- 1" Rambo
- 1" Royal
- 1" Traction
- 1" Torpedo
- 1" Sewer

part #: *KIT-1"-STRM*

1" COMPLETE KIT

- 1" Rambo
- 1" Royal
- 1" Rotor
- 1" Traction
- 1" Torpedo
- 1" Cleaning

part #: *KIT-1"-COMP*



1" Complete Kit

3/4" STARTER KIT

- 3/4" Cleaning
- 3/4" Traction
- 3/4" TEQ

part #: *KIT-3/4"-STARTER*

3/4" BASIC KIT

- 3/4" Rambo
- 3/4" Cleaning
- 3/4" Traction
- 3/4" Torpedo

part #: *KIT-3/4"-BASC*

3/4" KITS

3/4" STORM KIT w/ FLOOR CLEANER

- 3/4" Rambo
- 3/4" Royal
- 3/4" Traction
- 3/4" Torpedo
- 3/4" Sewer
- 3/4" 8-jet floor cleaner

part #: *KIT-3/4"-STRM-w/FC*

3/4" SANITARY KIT

- 3/4" Rambo
- 3/4" Cleaning
- 3/4" Traction
- 3/4" Torpedo
- 3/4" Rotor

part #: *KIT-3/4"-SANI*



3/4" Sanitary Kit

1/2" BASIC KIT (TIER 2)

- 1/2" Standard Egg
 - 1/2" Sewer Flush
 - 1/2" TEQ
- part #: KIT-1/2"-BASC-2

1/2" BASIC KIT (TIER 3)

- 1/2" Cleaning
 - 1/2" Traction
 - 1/2" TEQ
- part #: KIT-1/2"-BASC-3

1/2" PLUMBING KIT

- 1/2" Cleaning
 - 1/2" Traction
 - 1/2" TEQ
 - 1/2" Forward Jet
- part #: KIT-1/2"-PLMB

1/2" 5-PIECE KIT

- 1/2" Cleaning
 - 1/2" Traction
 - 1/2" Rambo
 - 1/2" Rotor
 - 1/2" Ball
- part #: KIT-1/2"-5PCE

1/2" SANITARY KIT

- 1/2" Cleaning
 - 1/2" Traction
 - 1/2" Rambo
 - 1/2" Rotor
- part #: KIT-1/2"-SANI

1/2" CLEANING KIT

- 1/2" Cleaning
 - 1/2" Traction
 - 1/2" TEQ
 - 1/2" Rotor
 - 1/2" Sewer
 - 1/2" Forward Jet
- part #: KIT-1/2"-CLN

1/2" GREASE KIT

- 1/2" Cleaning
 - 1/2" Traction
 - 1/2" TEQ
 - 1/2" Rotor
 - 1/2" Forward Jet
- part #: KIT-1/2"-GRSE

1/2" COMPLETE KIT

- 1/2" Cleaning
 - 1/2" Traction
 - 1/2" Rambo
 - 1/2" Rotor
 - 1/2" Egg Devastator
 - 1/2" Forward Jet
- part #: KIT-1/2"-COMP

1/2" 13-PIECE KIT

- 1/2" Cleaning
 - 1/2" Traction
 - 1/2" Rambo
 - 1/2" Rotor
 - 1/2" Egg Devastator
 - 1/2" Forward Jet
 - 1/2" Standard
 - 1/2" Sewer Flush
 - 1/2" Ball
 - 1/2" Micro Chain Cutter
- part #: KIT-1/2"-13PCE

1/2" KITS



1/2" 13-Piece Kit

KEG ACCESSORIES & PARTS

LEADER HOSE

Operating Pressures from 2500 PSI to 4000 PSI. Can be ordered with male/male or male/female swivel ends.



K E G LEADER HOSES		
Part Number	Hose Size	Length
LH0810	0.5"	10'
LH0815	0.5"	15'
LH0820	0.5"	20'
LH0825	0.5"	25'
LH1210	0.75"	10'
LH1215	0.75"	15'
LH1220	0.75"	20'
LH1225	0.75"	25'
LH1610	1.0"	10'
LH1615	1.0"	15'
LH1620	1.0"	20'
LH1625	1.0"	25'

TYGER TAILS

3" x 36" heavy duty hose protector with rope protects against cuts, and scrapes and prolongs hose life.



K E G TYGER TAIL		
Part Number	Hose Size	Length
700-D089	½' – 1-1/2"	3'

HIGH PRESSURE SWIVELS



K E G HP SWIVELS	
Part Number	Connection Size
G00800010	0.5" X 0.5"
G00800011	0.75" X 0.75"
G00800012	1.00" X 1.00"
G00800013	1.25" X 1.25"
G00800014	1.5" X 1.5"
G00801012	1.00" X 0.5"
G00801034	1.00" X 0.75"
G00801141	1.25" X 1.00"
G00803412	0.75" X 0.5"

REPLACEABLE INSERTS

M8 Inserts

M14 Inserts



M6 Inserts

K E G INSERTS		
Part Number	Insert Size	Substrate
G00100130	M14	Steel
G00100174	M14	Titanium Ceramic
G00100135	M8	Steel Allen Head
G00100138	M8	Steel Hex Head
G00100173	M8	Titanium Ceramic Allen Head
G00100177	M8	Titanium Ceramic Hex Head
G00100134	M6	Steel
G00100175	M6	Titanium Ceramic



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