

# G2 - 1/8" Mini Penetrator Nozzles

G2-series Mini Penetrator nozzles are made of high-grade steel and coated with a black oxide finish for extended nozzle life. The G2-series features an outer under-cut ledge where the rear-facing jets are drilled into to prolong nozzle life and smooth, non-turbulent water flow for pressures up to 4000 PSI, ranging from 3 to 10 GPM. The G2 series nozzles have a 1/8" FPT connection with three-to-six rear facing jets and can be ordered with or without an optional front jet to maximize cleaning tasks, most notably in the plumbing industry. G2-series nozzles are in-stock ready for your specially-tailored needs.

## Specifications

Rear jet angle: 30°

Diameter: 5/8"

Length: 5/8"

Weight: .02 lbs.

Made in the USA.

Part #	Jet Description	GPM	PSI
G2-33	1 Front / 3 Rear Jets	3-4	Up to 4000
G2-34	1 Front / 4 Rear Jets	5-6	Up to 4000
G2-35	1 Front / 5 Rear Jets	7-8	2000-3000
G2-303	0 Front / 3 Rear Jets	3-4	Up to 4000
G2-304	0 Front / 4 Rear Jets	5-6	Up to 4000
G2-305	0 Front / 5 Rear Jets	7-8	2000-3000
G2-306	0 Front / 6 Rear Jets	9-10	2000-3000



# G0 - 1/4" Penetrator Nozzles

The G0-series Penetrator nozzles are made of high-grade steel and feature a black oxide finish for extended life. The G0 series nozzles have a 1/4" FPT connection with three-to-six rear facing jets and front jet to blast through blockages. The standard 15-degree rear-facing jets help penetrate through obstructions at pump pressures up to 4000 PSI, ranging from 3 to 10 GPM. G0-series nozzles are in-stock ready for your specially-tailored needs.

## Specifications

Rear jet angle: 15°

Diameter: 3/4"

Length: 1"

Weight: .06 lbs.

Made in the USA.

Part #	Jet Description	GPM	PSI
G0-13	1 Front / 3 Rear Jets	3-4	Up to 4000
G0-14	1 Front / 4 Rear Jets	5-6	Up to 4000
G0-15	1 Front / 5 Rear Jets	7-8	2000-3000
G0-16	1 Front / 6 Rear Jets	9-10	2000-3000



## ***G7 - 1/4" Radial Bullet Nozzles***

G7-series Radial Bullet nozzles, manufactured in the USA, exhibit high-grade steel with a black oxide finish for an extended lifespan. The Radial Bullet nozzle is designed for general cleaning and efficient debris removal for pump pressures up to 4000 PSI, ranging from 3 to 10 GPM. The G7 series Radial Bullet nozzles have a 1/4" FPT connection and three-to-six rear-facing jets, dependent on GPM. Each nozzle can be ordered with or without an optional front jet. G7-series nozzles are in-stock ready for your specially-tailored needs.

### ***Specifications***

Rear jet angle: 30° or 40°

Diameter: 3/4"

Length: 1"

Weight: .05 lbs.

Made in the USA.



Part #	Jet Description	Rear Jet Degree	GPM	PSI
G7-33	1 Front / 3 Rear Jets	30°	3-4	Up to 4000
G7-34	1 Front / 4 Rear Jets	30°	5-6	Up to 4000
G7-35	1 Front / 5 Rear Jets	30°	7-8	2000-3000
G7-36	1 Front / 6 Rear Jets	30°	9-10	2000-3000
G7-45	1 Front / 5 Rear Jets	40°	7-8	2000-3000
G7-46	1 Front / 6 Rear Jets	40°	9-10	2000-3000
G7-303	0 Front / 3 Rear Jets	30°	3-4	Up to 4000
G7-304	0 Front / 4 Rear Jets	30°	5-6	Up to 4000
G7-306	0 Front / 6 Rear Jets	30°	9-10	2000-3000

## ***G9 - 1/4" Mustang Hex Nozzles***

G9-series Mustang Hex nozzles were designed to exact specifications to the popular hex nozzle used on Mustang lateral jet machines. The hex is manufactured using high-grade steel with a black oxide finish for extended life. The G9 series nozzle, equipped with a 1/4" FPT connection, is great for general pipe cleaning with its three-to-six 40-degree rear jets with a front jet for penetrating blockages using pump pressures up to 4000 PSI, ranging from 3 to 10 GPM. G9-series nozzles in-stock ready for your specially-tailored needs.

### ***Specifications***

Rear jet angle: 40°

Diameter: 3/4"

Length: 5/8"

Weight: .03 lbs.

Made in the USA.



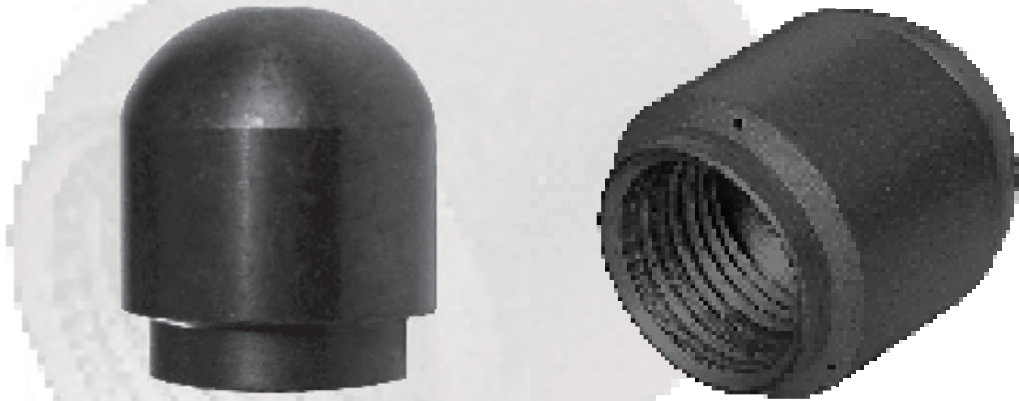
Part #	Jet Description	GPM	PSI
G9-43	1 Front / 3 Rear Jets	3-4	Up to 4000
G9-46	1 Front / 6 Rear Jets	7-10	2000-3000

## G5 - 3/8" Penetrator Nozzles

The G5-series Penetrator nozzles are made of high-grade steel and feature a black oxide finish for extended life. The G5 series nozzles have a 3/8" FPT connection with three-to-six rear facing jets and front jet to blast through blockages. The standard 15° rear-facing jets add greater thrust to help penetrate through obstructions at pump pressures up to 3000 PSI, ranging from 3 to 10 GPM. G5-series nozzles are in-stock ready for your specially-tailored needs.

### Specifications

Rear jet angle: 15°  
Diameter: .950"  
Length: 1 1/8"  
Weight: .11 lbs.  
Made in the USA.



Part #	Jet Description	GPM	PSI
G5-13	1 Front / 3 Rear Jets	3-4	2000-3000
G5-14	1 Front / 4 Rear Jets	5-6	2000-3000
G5-15	1 Front / 5 Rear Jets	7-8	2000-3000
G5-16	1 Front / 6 Rear Jets	9-10	2000-3000

## G8 - 3/8" Radial Button Nozzles

Using the same principles as the G7-series nozzles, the G8 Radial Bullet nozzle is designed for general cleaning and efficient debris removal for pump pressures up to 4000 PSI, ranging from 3 to 10 GPM. The G8 series Radial Bullet nozzles have a 3/8" FPT connection and three-to-six rear-facing jets, dependent on GPM. Each nozzle can be ordered with or without an optional front jet, though both are ready, in-stock for your specially-tailored needs.

### Specifications

Rear jet angle: 30° or 40°  
Diameter: 7/8"  
Length: 1 1/16"  
Weight: .08 lbs.  
Made in the USA.



Part #	Jet Description	Rear Jet Degree	GPM	PSI
G8-33	1 Front / 3 Rear Jets	30°	3-4	Up to 4000
G8-34	1 Front / 4 Rear Jets	30°	5-6	Up to 4000
G8-35	1 Front / 5 Rear Jets	30°	7-8	2000-3000
G8-36	1 Front / 6 Rear Jets	30°	9-10	2000-3000
G8-46	1 Front / 5 Rear Jets	40°	7-8	2000-3000
G8-303	0 Front / 3 Rear Jets	30°	3-4	Up to 4000
G8-304	0 Front / 4 Rear Jets	30°	5-6	Up to 4000
G8-306	0 Front / 5 Rear Jets	30°	7-8	2000-3000
G6-406	0 Front / 6 Rear Jets	40°	9-10	2000-3000
G8-403	0 Front / 3 Rear Jets	40°	3-4	Up to 4000

# RT-3 - 3/8" Typhoon Rotating Nozzle

RT-3 Typhoon rotating nozzle features stainless steel construction in the nozzle body and rotating drum. The RT-3 has six replaceable rear-facing 30° orifices and three 60° replaceable orifices in the rotator drum.

The RT-3 is an excellent nozzle for de-scaling and cutting grease, calcium and root fibers from a pipe's inner walls. Available with a 3/8" FPT connection, the RT-3 is available in 18 - 25 GPM, using up to 3000 PSI pump pressure. Requires use of a nozzle extension. Replacement jet orifices are available.

## Specifications

Rear jet angle: 30°  
Diameter: 1 3/8"  
Length: 3"  
Weight: 1 lbs.  
Made in the USA.



Part #	FPT	Description	Rear Jet Degree	GPM	PSI
RT-3	3/8"	Typhoon	30°	18 to 25	Up to 3000

# 1/2" Penetrator Nozzle

F1-Series Penetrator nozzle is manufactured using high-grade heat-treated steel construction with a black oxide finish, which together will insure a long-lasting life for the end-user.

The Penetrator has six rear-facing 45° jets and has a front base-tip jet to aid in blasting through blockages, as well as general cleaning needs. Using a 1/2" FPT connection, the Penetrator can generate up to 4000 PSI pump pressure at 8 to 25 GPM.

## Specifications

Rear jet angle: 45°  
Diameter: 1 1/8"  
Length: 3 1/8"  
Weight: .25 lbs.  
Made in the USA.



Part #	FPT	Description	Rear Jet Degree	GPM	PSI
F1-115	1/2"	Penetrator	45°	8 to 15	Up to 4000
F1-125	1/2"	Penetrator	45°	15 to 25	2000-3000

# 1/2" Penetrator Lance Tip Nozzle

F1-Series Penetrator Lance Tip nozzle is manufactured using high-grade heat-treated steel construction with a black oxide finish, which together will insure a long-lasting life for the end-user.

The Penetrator Lance Tip has six rear-facing 45° jets and has a front base-tip jet to aid in blasting through blockages. The Penetrator Lance Tip also features four side-body jets to impact grease, soap and scale build-up on pipe walls. Using a 1/2" FPT connection, the Penetrator can generate up to 4000 PSI pump pressure at 8 to 25 GPM.

## Specifications

Rear jet angle: 45°  
Diameter: 1 1/8"  
Length: 3 1/8"  
Weight: .25 lbs.  
Made in the USA.



Part #	FPT	Description	Rear Jet Degree	GPM	PSI
F1-1115	1/2"	Lance Tip Penetrator	45°	8 to 15	Up to 4000
F1-1125	1/2"	Lance Tip Penetrator	45°	15 to 25	2000-3000

# 1/2" Ellipse Nozzle

Ellipse nozzle features high-grade heat-treated steel construction, insuring a long-lasting product life. This nozzle has six replaceable rear orifices and a front penetrator orifice, which is also replaceable.

This design, featuring a 1/2" FPT connection, offers greater thrust and penetration through grease and hard soap and can easily maneuver around offset joints. Replacement jet orifices are available.

## Specifications

Rear jet angle: 15°  
Diameter: 1 3/4"  
Length: 2 1/4"  
Weight: 1 lb.  
Made in the USA.



Part #	FPT	Description	Rear Jet Degree	GPM	PSI
AT136160	1/2"	Eclipse	15°	25	2000

# 1/2" Button Style Short Nozzle

F5-series Button style short nozzle range is constructed using high-grade, heat-treated steel with a black oxide finish for extended nozzle life. The F5 has six 45° rear jets and is available with or without a front jet. The F5 is great for general purpose cleaning in laterals and small diameter mainline pipe. Using a 1/2" FPT connection, F5 series is available in 8 to 35 GPM and up to 4000 PSI pump pressure. Requires use of a nozzle extension.

## Specifications

Rear jet angle: 45°  
Diameter: 1 1/8"  
Length: 1 5/8"  
Weight: .25 lbs.  
Made in the USA.



Part #	FPT	Description	Rear Jet Degree	GPM	PSI
F5-315	1/2"	Button Short w/ Front Jet	45°	8 to 15	Up to 4000
F5-315N	1/2"	Button Short w/o Front Jet	45°	8 to 15	Up to 4000
F5-325	1/2"	Button Short w/ Front Jet	45°	15 to 25	2000-3000
F5-325N	1/2"	Button Short w/o Front Jet	45°	15 to 25	2000-3000
F5-380	1/2"	Button Short w/ Front Jet	45°	30 to 35	2000-3000

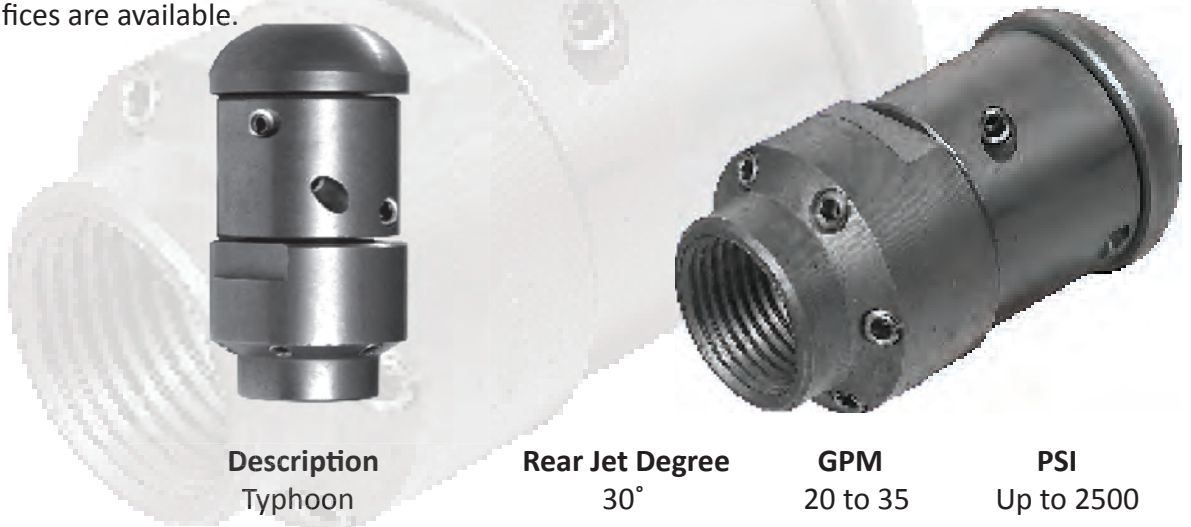
# 1/2" Typhoon Nozzle

RT-4 Typhoon rotating nozzle features stainless steel construction in the nozzle body and rotating drum. The RT-4 has six replaceable rear-facing 30° orifices and three replaceable 60° orifices in the rotator drum.

The RT-3 is an excellent nozzle for de-scaling and cutting grease, calcium and root fibers from a pipe's inner walls. Available with a 1/2" FPT connection, the RT-3 is available in 20 - 35 GPM, using up to 2500 PSI pump pressure. Replacement jet orifices are available.

## Specifications

Rear jet angle: 30°  
Diameter: 1 3/8"  
Length: 2 5/8"  
Weight: 1 lb.  
Made in the USA.



Part #	FPT	Description	Rear Jet Degree	GPM	PSI
RT-4	1/2"	Typhoon	30°	20 to 35	Up to 2500

## 3/4" Radial Bullet Nozzle

E0-3 series Radial Bullet nozzle showcases high-grade heat-treated steel construction with a black oxide finish, which together extend product life. The E0-3 is equipped with six rear jets, available in either 18° or 35° varieties, and is available with or without a front jet. The E0-3 is great for forward thrust, while maintaining a consistent jet stream to clean pipe wall for 6" to 15" pipe. The E0-3 comes with a 3/4" FPT connection and is available for cleaning machines up to 40 GPM and up to 3000 PSI pump pressure.

### Specifications

Rear jet angle: 18 or 35°  
Diameter: 1 5/8"  
Length: 2 1/4"  
Weight: .63 lbs.  
Made in the USA.



Part #	FPT	Description	Rear Jet Degree	GPM	PSI
E0-335	3/4"	Radial Bullet (1 Front/6 Rear)	18°	35 to 40	Up to 1800
E0-335V	3/4"	Radial Bullet (1 Front/6 Rear Vac)	18°	35 to 40	Up to 3000
E0-3A35	3/4"	Radial Bullet (1 Front/6 Rear)	35°	35 to 40	Up to 1800
E0-3A35V	3/4"	Radial Bullet (1 Front/6 Rear Vac)	35°	35 to 40	Up to 3000
E0-3N35	3/4"	Radial Bullet (6 Rear)	18°	35 to 40	Up to 1800
E0-3N35V	3/4"	Radial Bullet (6 Rear Vac)	18°	35 to 40	Up to 3000
E0-3NA35	3/4"	Radial Bullet (6 Rear)	35°	35 to 40	Up to 1800
E0-3NA35V	3/4"	Radial Bullet (6 Rear Vac)	35°	35 to 40	Up to 3000

## 3/4" Radial Vortex Nozzle

E0-4 series Radial Vortex nozzle showcases high-grade heat-treated steel construction with a black oxide finish, which together extend product life. The E0-4 is equipped with six rear jets staggered at 18° and 24° with one front jet. The E0-4 is great for forward thrust, while maintaining a consistent jet stream to clean pipe wall for 6" to 15" pipe. The E0-4 comes with a 3/4" FPT connection and is available for cleaning machines up to 40 GPM and up to 3000 PSI pump pressure.

### Specifications

Rear jet angle: 18° and 24°  
Diameter: 1 5/8"  
Length: 2 1/4"  
Weight: .63 lbs.  
Made in the USA.



Part #	FPT	Description	Rear Jet Degree	GPM	PSI
E0-435	3/4"	Radial Vortex (1 Front/ 6 Rear)	18°/24°	35 to 40	Up to 1800
E0-435V	3/4"	Radial Vortex (1 Front/ 6 Rear Vac)	18°/24°	35 to 40	Up to 3000

## 3/4" Penetrator Nozzle

E2-3 Penetrator series nozzles are made of high-grade, heat-treated steel construction with black oxide finish for prolonged nozzle life. Each E2-3 has six rear 12° jets and one front-facing jet. The E2-3 is great for general pipe cleaning and breaking through clogs and plugged up pipe, most specifically in 6" to 18" pipe. Standard 3/4" FPT connection, and available for sewer cleaning machines up to 40 GPM and up to 3000 PSI pump pressure.

### Specifications

Rear jet angle: 12°  
Diameter: 1 5/8"  
Length: 3 7/8"  
Weight: .83 lbs.  
Made in the USA.



Part #	FPT	Description	Rear Jet Degree	GPM	PSI
E2-335	3/4"	Penetrator (1 Front/6 Rear)	12°	35 to 40	Up to 1800
E2-335V	3/4"	Penetrator (1 Front/6 Rear)	12°	35 to 40	3000

## 3/4" Penetrator Lance Tip Nozzle

E2-13 Penetrator Lance Tip series nozzles are made of high-grade, heat-treated steel construction with black oxide finish for prolonged nozzle life. Each E2-13 has six rear 12° jets, four side jets and one front-facing jet. The E2-13 is great for general pipe cleaning and breaking through clogs and plugged up pipe, most specifically in 6" to 12" pipe. Standard 3/4" FPT connection, and available for sewer cleaning machines up to 40 GPM and up to 3000 PSI pump pressure.

### Specifications

Rear jet angle: 12°  
Diameter: 1 5/8"  
Length: 3 7/8"  
Weight: .83 lbs.  
Made in the USA.



Part #	FPT	Description	Rear Jet Degree	GPM	PSI
E2-1335	3/4"	Lance Tip Penetrator	12°	35 to 40	Up to 1800
E2-1335V	3/4"	Lance Tip Penetrator	12°	35 to 40	3000

# 3/4" Typhoon Nozzle

RT-6 Typhoon nozzle has a stainless steel nozzle body and rotator drum with six replaceable 30° rear orifices and three 60° replaceable orifices in the rotator drum. An excellent nozzle for de-scaling and cutting grease, calcium and root fibers from pipe walls in 6" to 18' pipe walls. The RT-6, equipped with a 3/4" FPT connection, is available for sewer cleaning machines up to 55 GPM and up to 3000 PSI pump pressure. Replacement jet orifices are available. Requires use of a nozzle extension.

## Specifications

Rear jet angle: 30°

Diameter: 2"

Length: 4"

Weight: 1.75 lbs.

Made in the USA



Part #	FPT	Description	Rear Jet Degree	GPM	PSI
RT-6651	3/4"	Typhoon	30°	55	1675 to 2000
RT-6652	3/4"	Typhoon	30°	55	1675 to 2000

# 1" Radial Bullet Nozzle

A4-2 Radial Bullet series nozzle is constructed of high-grade, heat-treated steel and finished with a black oxide coating, which together ensure prolonged nozzle life. The A4-2 nozzle has six rear-facing jets at either 18° or 30° and is available with or without a front jet. The A4-2 nozzle is great for general pipe cleaning in 6" to 18" pipe. The A4-2, featuring a 1" FPT connection, is available for sewer cleaning machines up to 80 GPM and up to 3000 PSI pump pressure.

## Specifications

Rear jet angle: 18° or 30°

Diameter: 1 7/8"

Length: 3 3/4"

Weight: 1.2 lbs.

Made in the USA.



Part #	FPT	Description	Rear Jet Degree	GPM	PSI
A4-245-3000	1"	Radial Bullet (1 Front/ 6 Rear)	18°	45	3000
A4-250-3000	1"	Radial Bullet (1 Front/ 6 Rear)	18°	50	3000
A4-260	1"	Radial Bullet (1 Front/ 6 Rear)	18°	60	2000
A4-280	1"	Radial Bullet (1 Front/ 6 Rear)	18°	80	2000
A4-2A45	1"	Radial Bullet (1 Front/ 6 Rear)	30°	45	2000
A4-2A50-3000	1"	Radial Bullet (1 Front/ 6 Rear)	30°	50	3000
A4-2A60	1"	Radial Bullet (1 Front/ 6 Rear)	30°	60	2000
A4-2A80	1"	Radial Bullet (1 Front/ 6 Rear)	30°	80	2000
A4-2N45	1"	Radial Bullet (6 Rear)	18°	45	2000
A4-2N50-3000	1"	Radial Bullet (6 Rear)	18°	50	3000
A4-2N60	1"	Radial Bullet (6 Rear)	18°	60	2000
A4-2N80	1"	Radial Bullet (6 Rear)	18°	80	2000
A4-2NA45	1"	Radial Bullet (6 Rear)	30°	45	2000
A4-2NA50-3000	1"	Radial Bullet (6 Rear)	30°	50	3000
A4-2NA60	1"	Radial Bullet (6 Rear)	30°	60	2000
A4-2NA80	1"	Radial Bullet (6 Rear)	30°	80	2000

# 1" Radial Vortex Nozzle

A5-1 series Radial Vortex nozzle showcases high-grade heat-treated steel construction with a black oxide finish, which together extend product life. The A5-1 is equipped with six rear jets staggered at 18° and 24° with one front jet. The A5-1 is great for forward thrust, while maintaining a consistent jet stream to clean pipe wall for 6" to 18" pipe. The E0-4 comes with a 1" FPT connection and is available for cleaning machines up to 80 GPM and up to 3000 PSI pump pressure.

## Specifications

Rear jet angle: 18° and 24°  
Diameter: 1 7/8"  
Length: 3 3/4"  
Weight: .63 lbs.  
Made in the USA.



Part #	FPT	Description	Rear Jet Degree	GPM	PSI
A5-145	1"	Radial Vortex (1 Front/ 6 Rear)	18°/24°	45	2000
A5-150-3000	1"	Radial Vortex (1 Front/ 6 Rear)	18°/24°	50	3000
A5-160	1"	Radial Vortex (1 Front/ 6 Rear)	18°/24°	60	2000
A5-180	1"	Radial Vortex (1 Front/ 6 Rear)	18°/24°	80	2000

# 1" Penetrator Nozzle

A3-1 Penetrator nozzle showcases high-grade heat-treated steel construction with a black oxide finish, which together extend product life. The A3-1 is equipped with six rear 12° jets with one front jet. The A3-1 is great for general pipe cleaning and breaking through clogs and plugged up 6" to 18" pipe. The A3-1 is available for sewer cleaning machines up to 80 GPM and up to 3000 PSI pump pressure.

## Specifications

Rear jet angle: 12°  
Diameter: 2"  
Length: 4 1/2"  
Weight: 1.6 lbs.  
Made in the USA.



Part #	FPT	Description	Rear Jet Degree	GPM	PSI
A3-145	1"	Penetrator (1 Front/ 6 Rear)	12°	35 to 45	1675 to 2000
A3-150	1"	Penetrator (1 Front/ 6 Rear)	12°	50	1675 to 2000
A3-160	1"	Penetrator (1 Front/ 6 Rear)	12°	60 to 65	1675 to 2000
A3-160-3000	1"	Penetrator (1 Front/ 6 Rear)	12°	60	3000
A3-180	1"	Penetrator (1 Front/ 6 Rear)	12°	80	1675 to 2000

# 1" Penetrator Lance Tip Nozzle

A3-12 Penetrator Lance Tip nozzle showcases high-grade heat-treated steel construction with a black oxide finish, which together extend product life. The A3-12 is equipped with six rear 12° jets, one front jet and four side jets. The A3-12 is great for breaking up and penetrating through blockages in 6" to 12" pipe. The A3-12, featuring a 1" FPT connection, is available for sewer cleaning machines up to 80 GPM and up to 3000 PSI pump pressure.

## Specifications

Rear jet angle: 12°  
Diameter: 2"  
Length: 4 1/2"  
Weight: 1.6 lbs.  
Made in the USA.



Part #	FPT	Description	Rear Jet Degree	GPM	PSI
A3-1260	1"	Lance Tip Penetrator	12°	60 to 65	1675 to 2000
A3-1280	1"	Lance Tip Penetrator	12°	80	1675 to 2000

# 1" Ellipse Nozzle

Ellipse nozzle features high-grade heat-treated steel construction with a black oxide finish, insuring a long-lasting product life. This nozzle has eight replaceable rear orifices and a front penetrator orifice, which is also replaceable.

This design offers greater thrust and penetration through grease and hard soap and can easily maneuver around offset joints. Designed for use in 6" to 12" pipe, the Ellipse, featuring a 1" FPT connection, is available for sewer cleaning machines up to 80 GPM and up to 2500 PSI pump pressure.

## Specifications

Rear jet angle: 15°  
Diameter: 2 3/8"  
Length: 3"  
Weight: 2.7 lbs.  
Made in the USA.



Part #	FPT	Description	Rear Jet Degree	GPM	PSI
AT136150	1"	Ellipse	15°	60	2000
AT136150-80	1"	Ellipse	15°	80	2500

# 1" Typhoon Nozzle

Typhoon nozzle is manufactured using stainless steel for the nozzle body and rotating drum. This nozzle has six 24° rear replaceable orifices and three 60° replaceable orifices in the rotating drum. This is an excellent nozzle for de-scaling and cutting grease, calcium and root fibers from the inner walls of 8" to 24" pipe. The Typhoon is available for sewer cleaning machines up to 80 GPM and up to 2000 PSI pump pressure. Replacement jet orifices are available. Requires use of a nozzle extension.

## Specifications

Rear jet angle: 24°

Diameter: 2"

Length: 3 3/8"

Weight: 1.75 lbs.

Made in the USA.



Part #	FPT	Description	Rear Jet Degree	GPM	PSI
RT-8651	1"	Typhoon	24°	50 to 65	1250 to 1675
RT-8652	1"	Typhoon	24°	50 to 65	1675 to 2000
RT-8802	1"	Typhoon	24°	80	1675 to 2000

# 1" Sanitary Nozzle

Sanitary nozzle has a high-grade, heat-treated steel body with a black oxide coating, which coupled-together ensures a long lifespan for the nozzle. The Sanitary nozzle has six rear jets at either 15° or 30°, depending on the type. The nozzles was designed for general cleaning of sand, small stones and scum in 6" to 18" pipe. The Sanitary nozzle, featuring a 1" FPT connection, is available for sewer cleaning machines up to 80 GPM and up to 2000 PSI pump pressure.

## Specifications

Rear jet angle: 15° or 30°  
Diameter: 2 1/8"  
Length: 3 1/2"  
Weight: 1.75 lbs.  
Made in the USA.



Part #	FPT	Description	Rear Jet Degree	GPM	PSI
U29343-A2	1"	Sanitary	30°	60	1675 to 2000
U29343-B2	1"	Sanitary	30°	50	1675 to 2000
U29343-C	1"	Sanitary	30°	80	1675 to 2000
U44233-A2	1"	Sanitary	15°	60	1675 to 2000
U44233-B2	1"	Sanitary	15°	50	1675 to 2000

# 1" Steel Sand Nozzle

Steel Sand nozzle features high-grade heat-treated steel construction with a black oxide finish, insuring a long-lasting product life. This nozzle has six rear-facing 12° jets and two front jets to blast through obstructions such as sand, organics and grease in 6" to 15" pipe.

This nozzle, featuring a 1" FPT connection, is designed for use in sewer cleaning machines up to 80 GPM and up to 2000 PSI pump pressure.

## Specifications

Rear jet angle: 12°  
Diameter: 2"  
Length: 2 7/8"  
Weight: 1 lb.  
Made in the USA.



Part #	FPT	Description	Rear Jet Degree	GPM	PSI
B5-180	1"	Steel/Sand	12°	80	1675 to 2000
U40585	1"	Steel/Sand	12°	52	2000
U44234	1"	Steel/Sand	12°	60	2000

# 1 1/4" Radial Bullet Nozzle

B1-series Radial Bullet nozzle is made of high-grade, heat-treated steel, finished with a black oxide coating, which coupled together ensures a long lasting nozzle. The B-1 range exhibits six rear jets at 18° or 35° and with or without a front jet.

The Radial Bullet, using a 1 1/4" FPT connection, is designed for general pipe cleaning in 6" to 24" pipe and is available for sewer cleaning machines up to 80 GPM and up to 2000 PSI pump pressure.

## Specifications

Rear jet angle: 12°

Diameter: 2"

Length: 2 7/8"

Weight: 1 lb.

Made in the USA.



Part #	FPT	Description	Rear Jet Degree	GPM	PSI
B1-15	1 1/4"	Radial Bullet w/ Front Jet 1F/6R	18°	50	2000
B1-18	1 1/4"	Radial Bullet w/ Front Jet 1F/6R	18°	80	2000
B1-1N5	1 1/4"	Radial Bullet w/o Front Jet 6Rear	18°	50	2000
B1-1N8	1 1/4"	Radial Bullet w/o Front Jet 6Rear	18°	80	2000
B1-25	1 1/4"	Radial Bullet w/ Front Jet 1F/6R	35°	50	2000
B1-28	1 1/4"	Radial Bullet w/ Front Jet 1F/6R	35°	80	2000
B1-2N5	1 1/4"	Radial Bullet w/o Front Jet 6Rear	35°	50	2000
B1-2N8	1 1/4"	Radial Bullet w/o Front Jet 6Rear	35°	80	2000

# 1" Tungsten Carbide General Purpose Nozzle

Tungsten Carbide General Purpose nozzle has a high-grade, heat-treated steel body with a black oxide coating, which coupled-together ensures a long lifespan for the nozzle. This nozzle, featuring a 1" FPT connection, has six rear-facing 30° tungsten carbide orifices, which do a great job of cleaning out any solids at the bottom of 8" to 30" pipe.

The tungsten carbide orifices maintain water jet flow calibration and efficiency for the life of the nozzle. This equates to efficient use of water, energy and time while maintaining a water collection or sewer system. It is available for sewer cleaning machines up to 80 GPM and up to 2500 PSI pump pressure.

Replacement jet orifices are available.

## Specifications

Rear jet angle: 30°

Diameter: 3 1/4"

Length: 6 3/4"

Weight: 5.8 lbs.

Part #	FPT	Description	GPM	PSI
U58929BFB	1"	General Purpose	60	2000
U58929BJB	1"	General Purpose	80	2000
U58929BJC	1"	General Purpose	80	2500



# 1" Tungsten Carbide Sanitary Nozzle

Tungsten Carbide Sanitary Nozzle is manufactured using high-grade, heat-treated steel coupled with a zinc oxide coating, which together help prolong nozzle life. This high performance nozzle has six replaceable tungsten steel carbide orifices, which help maintain top flow and calibration of the water jets for the life of the nozzle. This equals efficient use of water, energy and time in maintaining a sewage or water collection system.

A great nozzle choice for general cleaning of 4" to 18" pipe. Manufactured in both 15° and 30° styles, the nozzle, featuring a 1" FPT connection, is available for sewer cleaning machines up to 80 GPM and up to 2500 PSI pump pressure. Replacement jet orifices are available.

## Specifications

Rear jet angle: 15° or 30°

Diameter: 2 1/8"

Length: 4 1/4"

Weight: 2.4 lbs.

Made in the USA.

Part #	FPT	Description	Rear Jet Degree	GPM	PSI
U58756BDC	1"	Tungsten Carbide Sanitary	30°	60	2000
U58756BEB	1"	Tungsten Carbide Sanitary	30°	55	2000
U58756BFB	1"	Tungsten Carbide Sanitary	30°	60	2000
U58756BFC	1"	Tungsten Carbide Sanitary	30°	60	2500
U58756BGB	1"	Tungsten Carbide Sanitary	30°	65	2000
U58756BJB	1"	Tungsten Carbide Sanitary	30°	80	2000
U58756BJC	1"	Tungsten Carbide Sanitary	30°	80	2500
U60306BFB	1"	Tungsten Carbide Sanitary	15°	60	2000
U60306BFC	1"	Tungsten Carbide Sanitary	15°	60	2500
U60306BGB	1"	Tungsten Carbide Sanitary	15°	65	2000
U60306BJB	1"	Tungsten Carbide Sanitary	15°	80	2000



# 1" Tungsten Carbide Penetrator Nozzle

Tungsten Carbide Penetrator Nozzle is manufactured using high-grade, heat-treated steel coupled with a zinc oxide coating, which together help prolong nozzle life. This high performance nozzle has six replaceable tungsten steel carbide orifices and one front replaceable tungsten steel carbide orifice, which helps maintain top flow and calibration of the water jets for the life of the nozzle. This equals efficient use of water, energy and time in maintaining a sewage or water collection system.

A great nozzle for unblocking plugged 4" to 18" pipe containing sand, dirt or grease. Manufactured in both 15° or 30° configurations; the nozzle, featuring a 1" FPT connection, is available for sewer cleaning machines up to 80 GPM and up to 2500 PSI pump pressure. Replacement jet orifices are available.

## Specifications

Rear jet angle: 15° or 30°

Diameter: 2 1/8"

Length: 4 1/4"

Weight: 2.4 lbs.

Made in the USA.



Part #	FPT	Description	Rear Jet Degree	GPM	PSI
U58927BDB	1"	Tungsten Carbide Penetrator	30°	50	2000
U58927BDC	1"	Tungsten Carbide Penetrator	30°	50	2500
U58927BFB	1"	Tungsten Carbide Penetrator	30°	60	2000
U58927BFC	1"	Tungsten Carbide Penetrator	30°	60	2500
U58927BGC	1"	Tungsten Carbide Penetrator	30°	65	2500
U58927BJB	1"	Tungsten Carbide Penetrator	30°	80	2000
U60308BFB	1"	Tungsten Carbide Penetrator	15°	60	2000
U60308BGB	1"	Tungsten Carbide Penetrator	15°	65	2000
U60308BJB	1"	Tungsten Carbide Penetrator	15°	80	2000

# 1" Tungsten Carbide Sand Nozzle

Tungsten Carbide Sand Nozzle is manufactured using high-grade, heat-treated steel coupled with a zinc oxide coating, which together help prolong nozzle life. This high performance nozzle has six 15° or 30° replaceable tungsten steel carbide orifices and two outward-angled front replaceable tungsten steel carbide orifices, which help maintain top flow and calibration of the water jets for the life of the nozzle. This equals efficient use of water, energy and time in maintaining a sewage or water collection system.

A great nozzle for blasting through sand, dirt and gravel build-ups and blasting the particles back to the manhole in 4" to 18" pipe. This nozzle, featuring a 1" FPT connection, is available for sewer cleaning machines up to 80 GPM and up to 2500 PSI pump pressure. Replacement jet orifices are available.

## Specifications

Rear jet angle: 15° or 30°

Diameter: 2 1/8"

Length: 5"

Weight: 2.5 lbs.

Made in the USA.



Part #	FPT	Description	Rear Jet Degree	GPM	PSI
U58926BJB	1"	Tungsten Carbide Sand	30°	80	2000
U58926BJC	1"	Tungsten Carbide Sand	30°	80	2500
U60307BFB	1"	Tungsten Carbide Sand	15°	60	2000
U60307BFC	1"	Tungsten Carbide Sand	15°	60	2500
U60307BGB	1"	Tungsten Carbide Sand	15°	65	2000
U60307BHC	1"	Tungsten Carbide Sand	15°	70	2500
U60307BIC	1"	Tungsten Carbide Sand	15°	75	2500
U60307BJB	1"	Tungsten Carbide Sand	15°	80	2000
U60307BJC	1"	Tungsten Carbide Sand	15°	80	2500

# 3/4" Hustler Grenade Nozzle

3/4" Hustler Grenade Nozzle is manufactured using high-grade, heat-treated steel coupled with a zinc oxide coating, which together help prolong nozzle life. This premium, high-performance nozzle is of European design, consisting of eight rear alternating replaceable jets at 10° and 30°. This nozzle is available with or without a front replaceable jet. All replaceable jet orifices are manufactured from tungsten carbide, which maintains top flow, efficiency and calibration of the water jetting for the life of the nozzle. This equals efficient use of water, energy and time in maintaining a sewage or water collection system.

This nozzle, featuring a 3/4" FPT connection, is extremely effective in cleaning moderate sand, soil and organics in 6" to 15" pipe. It is readily available for sewer cleaning machines up to 50 GPM and up to 3000 PSI pump pressure. Replacement jet orifices are available.

## Specifications

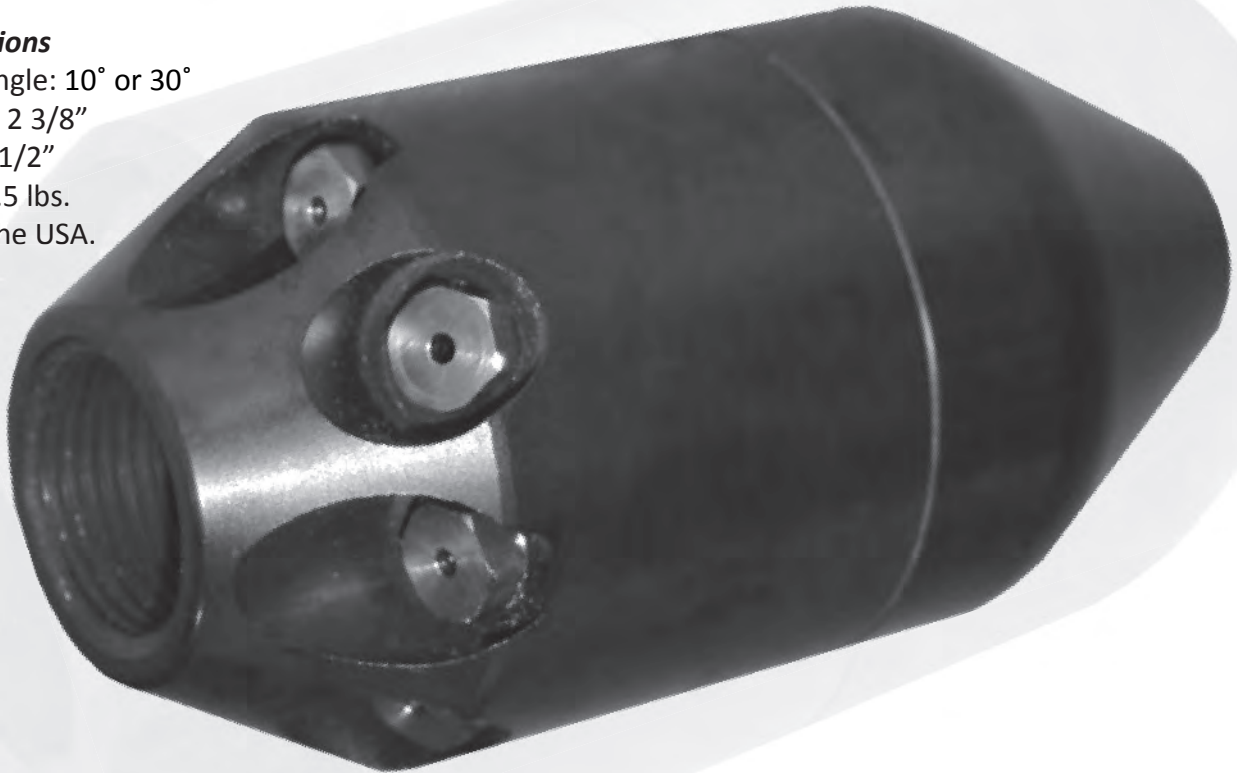
Rear jet angle: 10° or 30°

Diameter: 2 3/8"

Length: 4 1/2"

Weight: 3.5 lbs.

Made in the USA.



Part #	FPT	Description	Rear Jet Degree	GPM	PSI
UEZ40.075.30	3/4"	Hustler Grenade	10° and 30°	30	3000
UEZ40.075.32	3/4"	Hustler Grenade w/Front Jet	10° and 30°	35	2000
UEZ40.075.40	3/4"	Hustler Grenade	10° and 30°	40	2000
UEZ40.075.40FJ	3/4"	Hustler Grenade w/Front Jet	10° and 30°	40	2000
UEZ40.075.50	3/4"	Hustler Grenade	10° and 30°	50	3000
UEZ40.075.65	3/4"	Hustler Grenade	10° and 30°	65	2000

# 1" Hustler Grenade Nozzle

1" Hustler Grenade Nozzle is manufactured using high-grade, heat-treated steel coupled with a zinc oxide coating, which together help prolong nozzle life. This premium, high-performance nozzle is of European design, consisting of ten rear alternating replaceable jets at 10° and 30°. This nozzle is also available with or without a front replaceable jet. All replaceable jet orifices are manufactured from tungsten carbide, which maintains top flow, efficiency and calibration of the water jetting for the life of the nozzle. This equals efficient use of water, energy and time in maintaining a sewage or water collection system.

This nozzle, featuring a 1" FPT connection, is extremely effective in cleaning moderate sand, soil and organics in 6" to 21" pipe. It is readily available for sewer cleaning machines up to 80 GPM and up to 3000 PSI pump pressure. Replacement jet orifices are available.

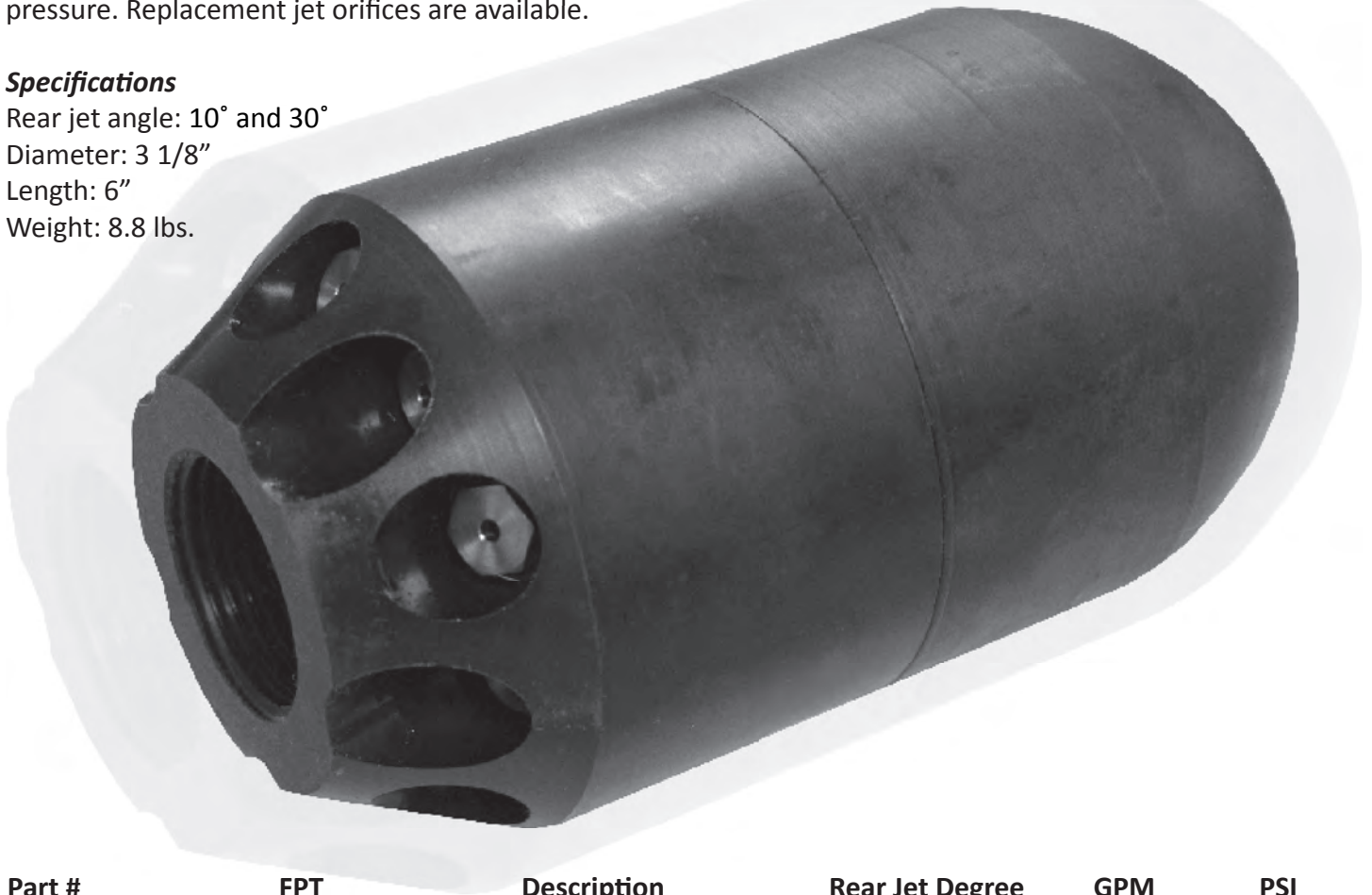
## Specifications

Rear jet angle: 10° and 30°

Diameter: 3 1/8"

Length: 6"

Weight: 8.8 lbs.



Part #	FPT	Description	Rear Jet Degree	GPM	PSI
UEZ40.100.50	1"	Hustler Grenade	10° and 30°	50	3000
UEZ40.100.60	1"	Hustler Grenade	10° and 30°	60	2000
UEZ40.100.80	1"	Hustler Grenade	10° and 30°	80	2000
UEZ40.100A	1"	Hustler Grenade	10° and 30°	65	2000
UEZ40.100FJ	1"	Hustler Grenade w/Front Jet	10° and 30°	60	2000
UEZ40.100FJ.50	1"	Hustler Grenade w/Front Jet	10° and 30°	50	3000
UEZ40.100FJ.80	1"	Hustler Grenade w/Front Jet	10° and 30°	80	2000

# 3/4" and 1" Hustler Chisel Nozzles

3/4" and 1" Hustler Chisel range of nozzles are manufactured using high-grade, heat-treated steel coupled with a zinc oxide coating, which together help prolong nozzle life. This premium, high-performance chisel-point nozzle is of European design, consisting of one leading tip, six rear, and four front-facing (five for the UEZ60.100L) replaceable tungsten carbide jet orifices. This nozzle is available with or without a front replaceable jet for both nozzle body sizes. All replaceable jet orifices are manufactured from tungsten carbide, which maintains top flow, efficiency and calibration of the water jetting for the life of the nozzle. This equals efficient use of water, energy and time in maintaining a sewage or water collection system.

The UEZ60.075 3/4" FPT and the UEZ60.100 1" FPT Hustler Chisel Nozzels are great at penetrating through all kinds of blockages with its sharp edges. The four front piercing jets will open root masses, grease plugs and even sand and gravel blockages. The UEZ60.100L 1" FPT Hustler Chisel Nozzel is massive for a reason; the extra weight and length allow it to stick to the bottom of the pipe for best effective cleaning and penetration of blockages. Replacement jet orifices are available.

## Specifications

	<b>UEZ60.075</b>	<b>UEZ60.100</b>	<b>UEZ60.100L</b>
<b>Front jet angle:</b>	1 @ 0°, 3 @ 15°	1 @ 0°, 3 @ 15°	1 @ 0°, 4 @ 15°
<b>Rear jet angle:</b>	25°	25°	25°
<b>Diameter:</b>	1 1/2"	2"	2 3/4"
<b>Length:</b>	3 1/4"	3 5/8"	7 1/2"
<b>Weight:</b>	1.15 lbs.	1.5 lbs.	5.75 lbs.
<b>Recommended Pipe Size</b>	4" to 12"	6" to 15"	6" to 18"
<b>Made in the USA.</b>			

<b>Part #</b>	<b>FPT</b>	<b>Description</b>	<b>GPM</b>	<b>PSI</b>
UEZ60.075.30	3/4"	Hustler Chisel (4 Front/ 6 Rear)	30	3000
UEZ60.075.40	3/4"	Hustler Chisel (4 Front/ 6 Rear)	40	2000
UEZ60.075.50	3/4"	Hustler Chisel (4 Front/ 6 Rear)	50	3000
UEZ60.100.40	1"	Hustler Chisel (4 Front/ 6 Rear)	40	3000
UEZ60.100.50	1"	Hustler Chisel (4 Front/ 6 Rear)	50	3000
UEZ60.100.55	1"	Hustler Chisel (4 Front/ 6 Rear)	55	3000
UEZ60.100.60	1"	Hustler Chisel (4 Front/ 6 Rear)	60	2000
UEZ60.100.60.3	1"	Hustler Chisel (4 Front/ 6 Rear)	60	3000
UEZ60.100.65	1"	Hustler Chisel (4 Front/ 6 Rear)	65	3000
UEZ60.100.65.2	1"	Hustler Chisel (4 Front/ 6 Rear)	65	2000
UEZ60.100.80	1"	Hustler Chisel (4 Front/ 6 Rear)	80	2000
UEZ60.100.80.3	1"	Hustler Chisel (4 Front/ 6 Rear)	80	3000
UEZ60.100L	1"	Hustler Chisel (Large) (5 Front/ 6 Rear)	60	2000
UEZ60.100L-50	1"	Hustler Chisel (Large) (5 Front/ 6 Rear)	50	3000
UEZ60.100L-65	1"	Hustler Chisel (Large) (5 Front/ 6 Rear)	65	2000
UEZ60.100L-80	1"	Hustler Chisel (Large) (5 Front/ 6 Rear)	80	2000

## ***3/4" and 1" Hustler Chisel Nozzles***



**UEZ60.075**



**UEZ60.100**



**UEZ60.100L**

# 3/4" and 1" Hustler Standard Cleaning Nozzles

3/4" and 1" Hustler Standard Cleaning Nozzle range is manufactured using high-grade, heat-treated steel coupled with a zinc oxide coating, which together help prolong nozzle life. This premium, high-performance nozzle is of European design, consisting of six (3/4") and eight (1") alternating replaceable 30° jets. This nozzle is available with or without a front replaceable jet for both nozzle body sizes. All replaceable jet orifices are manufactured from tungsten carbide, which maintains top flow, efficiency and calibration of the water jetting for the life of the nozzle. This equals efficient use of water, energy and time in maintaining a sewage or water collection system.

The nozzle range, which features both 3/4" and 1" FPT connection, is extremely effective in cleaning out solids in 4" to 15" pipe for the 3/4" nozzle and 4" to 18" pipe for the 1" nozzle range. It is readily available for sewer cleaning machines up to 50 GPM and up to 3000 PSI pump pressure for the 3/4" range and up to 80 GPM and up to 3000 PSI. Replacement jet orifices are available. Made in the USA.

## Specifications

Rear jet angle: 30°

Diameter: 1 1/2" (3/4")      1 7/8" (1")

Length: 2 1/2" (3/4")      3 1/2" (1")

Part #	FPT	Description	Rear Jet Degree	GPM	PSI
UEZ30.075.30	3/4"	Hustler Cleaning	30°	30	3000
UEZ30.075.40	3/4"	Hustler Cleaning	30°	40	3000
UEZ30.075.50	3/4"	Hustler Cleaning	30°	50	3000
UEZ30.100	1"	Hustler Cleaning	30°	60	2000
UEZ30.100.50	1"	Hustler Cleaning	30°	50	3000
UEZ30.100.65	1"	Hustler Cleaning	30°	65	3000
UEZ30.100.65.2	1"	Hustler Cleaning	30°	65	2000
UEZ30.100.80	1"	Hustler Cleaning	30°	80	2000
UEZ30.100.80.3	1"	Hustler Cleaning	30°	80	3000

UEZ30.100 Series



UEZ30.075 Series



## 3/4" Aluminum Grease Nozzle

3/4" FPT Aluminum Grease nozzle is machined from T6061-T6 aluminum for strength and lightness in order to impact pipe blockages. Designed to exert great velocity, the Aluminum Grease nozzle is able to flush obstacles out of the pipe to a manhole for removal.

This nozzle has six replaceable 17° rear jets and one replaceable front jet to help penetrate problematic blockages in 6" to 15" pipe. It is readily available for sewer cleaning machines up to 40 GPM and up to 3000 PSI pump pressure. Replacement jet orifices are available.

### Specifications

Rear jet angle: 17°  
Diameter: 2 1/2"  
Length: 8 1/4"  
Weight: 2 lbs.  
Made in the USA.



Part #	FPT	Description	Rear Jet Degree	GPM	PSI
E9-135 / E9-135V	3/4"	Aluminum Grease (1 Front/ 6 Rear)	17°	35 to 40	Up to 3000

## 1" Aluminum Grease Nozzle

1" FPT Aluminum Grease nozzle is machined from T6061-T6 aluminum for strength and lightness in order to impact pipe blockages. Designed to exert great velocity, the Aluminum Grease nozzle is able to flush obstacles out of the pipe to a manhole for removal.

This nozzle has six replaceable 17° rear jets and one replaceable front jet to help penetrate problematic blockages in 6" to 15" pipe. It is readily available for sewer cleaning machines up to 80 GPM and up to 3000 PSI pump pressure. Replacement jet orifices are available.

### Specifications

Rear jet angle: 17°  
Diameter: 2 1/2"  
Length: 8"  
Weight: 2 lbs.  
Made in the USA.



Part #	FPT	Description	Rear Jet Degree	GPM	PSI
B8-360	1"	Aluminum Grease (1 Front/ 6 Rear)	17°	50 to 65	1675 to 2000
B8-380	1"	Aluminum Grease (1 Front/ 6 Rear)	17°	80	1675 to 2000

# #10 Aluminum Storm Nozzle

#10 Aluminum Storm nozzle was originally designed for use in Vactor® style machines, and it's nickname, '10,' came from its great ability to clean 10" and larger storm and sanitary pipe of sand and detergent build-up. #10 is manufactured from cast aluminum with eight rear replaceable stainless steel jet orifices at 24°.

#10 works best in 10" to 18" pipe on sewer cleaning machines up to 80 GPM and up to 3000 PSI pump pressure.  
Replacement jet orifices are available.

## Specifications

Rear jet angle: 24°  
Diameter: 4.25"  
Length: 5"  
Weight: 3.5 lbs.  
Made in the USA.

Part #	FPT	Description	Rear Jet Degree	GPM	PSI
U36058A260	1"	#10 Aluminum Storm	24°	50 to 65	1675 to 2000
U36058A280	1"	#10 Aluminum Storm	24°	80	1675 to 2000
U36058A350	1"	#10 Aluminum Storm	24°	50 to 65	3000

# Aluminum Sand and Sludge Nozzle

Aluminum Sand and Sludge Nozzle has been redesigned for greater cleaning efficiency and casting integrity. The nozzle's cast aluminum body has 16 machined rear jet ports along with a single jet orific port machined into the front nose of the nozzle.

A hardened steel jet is screwed into the machined rear ports in various configurations, depending upon the conditions and size of the pipe being cleaned. For cleaning 8" to 18" pipe, and the removal of sand, sludge and organics for general pipe cleaning conditions, advises to set the outer rear jets at 24" and plug off the inner ports.

## Specifications

Rear jet angles: 24°  
Diameter: 4 3/8"  
Length: 6"  
Weight: 4.1 lbs.

Part #	FPT	Description	Rear Jet Degree	GPM	PSI
E5-235	3/4"	Aluminum Sand 1Front/8Rear	24°	35 to 40	Up to 2000
A1-160	1"	Aluminum Sand 1Front/8Rear	24°	50 to 65	1675 to 2000
A1-180	1"	Aluminum Sand 1Front/8Rear	24°	80	1675 to 2000

# Dual-Degree Aluminum Sand and Sludge Nozzle

In the case of moderate to heavy cleaning in 8" to 24" pipe, it is recommended to operate this nozzle with the dual-degree configuration of 17° and 24°. This gives the nozzle 16 total rear-facing jets, blasting and removing sand, sludge and organics with a minimal amount of passes to complete the pipe cleaning operation. This nozzle's single front jet blasts through sediment in the pipe with a stream of water, allowing for a cleaner passage for the nozzle.

This nozzle is manufactured for use on sewer cleaning machines up to 80 GPM, and up to 3000 PSI pump pressure. Replacement jets are available. Made in the USA.

## Specifications

Rear jet angles: 17° and 24°

Diameter: 4 3/8"

Length: 6"

Weight: 4.1 lbs.

Made in the USA.

Part #	FPT	Description	Rear Jet Degree	GPM	PSI
A9-11260	1"	Dual Aluminum Sand	17° and 24°	50 to 65	1675 to 2000
A9-11280	1"	Dual Aluminum Sand	17° and 24°	80	1675 to 2000

# Tandem Bomb Nozzle

Tandem Bomb nozzle with 1" FPT connection is just that; the front nozzle is the eight rear-jet #A1-1 Aluminum Sand Nozzle and the rear nozzle is the #A9-112 Dual-Degree Aluminum Sand Nozzle. The two nozzles are connected by a D0-6 nozzle skid assembly.

Together, there are 24 rear dual-degree removable jet orifices, which are centered in the pipe by the connecting nozzle skid assembly. This nozzle duo is used to clean heavy sand and sludge deposits from 10" to 30" pipe and culverts. Manufactured for use by sewer cleaning machines up to 80 GPM and up to 3000 PSI pump pressure. Replacement jet orifices are available.

## Specifications

Rear jet angle: 17° and 24°

Diameter: 7"

Length: 29"

Weight: 18.3 lbs.

Made in the USA.

Part #	FPT	Description	Rear Jet Degree	GPM	PSI
A9-1228	1"	Tandem Bomb (1 Front/8R/8Rear)	24°	80	1675 to 2000
A9-1326	1"	Tandem Bomb (1 Front/8R/16Rear)	17°/24°	60 to 65	1675 to 2000
A9-1328	1"	Tandem Bomb (1Front/8R/16Rear)	17°/24°	80	1675 to 2000

# Blue Streak Nozzle

Blue Streak nozzle utilizes "Heavy Duty" steel nozzle construction. The Blue Streak is a very efficient pipeline cleaning nozzle that outperforms many heavy-duty sludge and sand nozzles on the market. The Blue Streak is equipped with ten rear, 15° and 20° tungsten carbide removable jet orifices and one optional front tungsten carbide removable jet orifice which maintains top flow and calibration of the water jet and makes efficient use of water, energy and time in maintaining a water collector sewer system. Used for heavy duty pipe cleaning up to 36", the Blue Streak, equipped with a 1 FPT connection, is available for sewer cleaning machines up to 80 GPM and up to 3000 PSI pump pressure. Replacement jet orifices are available.

## Specifications

Rear jet angle: 15° and 20°  
Diameter: 4"  
Length: 7"  
Weight: 9 lbs.  
Made in the USA.



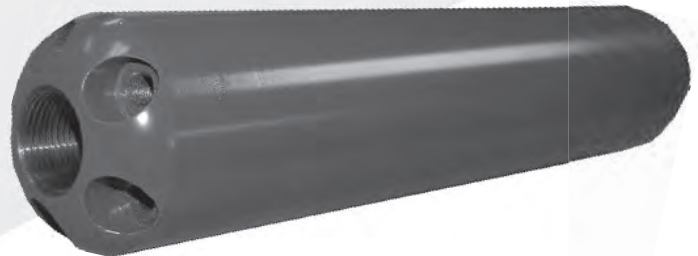
Part #	FPT	Description	Rear Jet Degree	GPM	PSI
UE48226-60	1"	Blue Streak	15° and 20°	60	2000
UE48226-80	1"	Blue Streak	15° and 20°	80	2000

# 1/2" Bulldozer Nozzle

1/2" FPT Bulldozer nozzle is also commonly known as 'The Contractor Nozzle.' It is the little brother to the 3/4" Bulldozer nozzle, but still maintains a heavy duty steel construction, this heavy penetrating nozzle concentrates its cleaning to the bottom of the pipe to create a path through heavy build ups of sand sludge and larger solids. It has five rear removable tungsten carbide orifices at 12° and a removable front carbide jet orifice to penetrate blockages. The Bulldozer performs well in pipe sizes up to 12" in diameter. The tungsten carbide jet orifices maintain top flow and calibration of the water jet action for the life of the nozzle which equals efficient use of water, energy and time in maintaining a water collection or sewer system. It is available for sewer cleaning machines up to 25 GPM and up to 4000 PSI pump pressure. Replacement jet orifices are available.

## Specifications

Rear jet angle: 12°  
Diameter: 1 7/8"  
Length: 10"  
Weight: 4.15 lbs.  
Made in the USA.



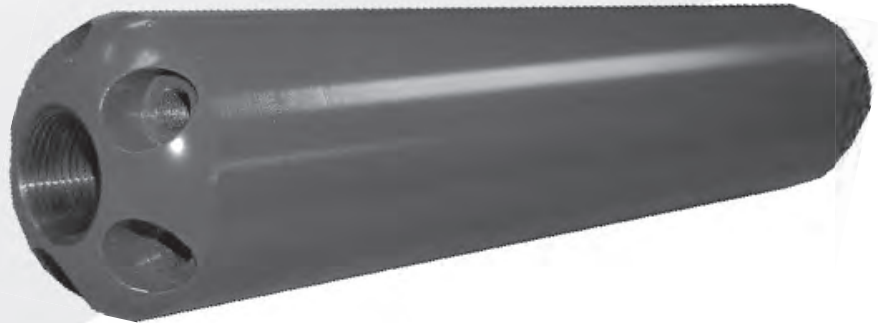
Part #	FPT	Description	Rear Jet Degree	GPM	PSI
UE48208-20/2000	1/2"	Bulldozer	12°	20	2000
UE48208-20/4000	1/2"	Bulldozer	12°	20	4000
UE48202-25/3000	1/2"	Bulldozer	12°	25	3000

## 3/4" Bulldozer Nozzle

3/4" FPT Bulldozer nozzle is also commonly known as 'The Contractor Nozzle.' It is smaller in size than the Bulldozer nozzle, but still maintains a heavy duty steel construction, this heavy penetrating nozzle concentrates its cleaning to the bottom of the pipe to create a path through heavy build ups of sand sludge and larger solids. It has five rear removable tungsten carbide orifices at 12° and a removable front carbide jet orifice to penetrate blockages. The Bulldozer performs well in pipe sizes up to 18" in diameter. The tungsten carbide jet orifices maintain top flow and calibration of the water jet action for the life of the nozzle which equals efficient use of water, energy and time in maintaining a water collection or sewer system. It is available for sewer cleaning machines up to 50 GPM and up to 3000 PSI pump pressure. Replacement jet orifices are available.

### Specifications

Rear jet angle: 12°  
Diameter: 2 3/8"  
Length: 12 1/2"  
Weight: 9.1 lbs.  
Made in the USA.



Part #	FPT	Description	Rear Jet Degree	GPM	PSI
UE48212-40/2000	3/4"	Bulldozer	12°	40	2000
UE48212-40/3000	3/4"	Bulldozer	12°	40	3000
UE48212-50/3000	3/4"	Bulldozer	12°	50	3000

## 1" & 1 1/4" Bulldozer Nozzle

1" FPT Bulldozer nozzle is also commonly known as the contractor nozzle. With a heavy duty steel construction, this heavy penetrating nozzle concentrates its cleaning to the bottom of the pipe to create a path through heavy build ups of sand sludge and larger solids. It has five rear removable tungsten carbide orifices at 12° and a removable front carbide jet orifice to penetrate blockages. The Bulldozer performs well in pipe sizes up to 30" in diameter. The tungsten carbide jet orifices maintain top flow and calibration of the water jet action for the life of the nozzle which equals efficient use of water, energy and time in maintaining a water collection or sewer system. It is available for sewer cleaning machines up to 80 GPM and up to 3000 PSI pump pressure. Replacement jet orifices are available.

### Specifications

Rear jet angle: 12°  
Diameter: 2 7/8"  
Length: 14 3/8"  
Weight: 12.5 lbs.  
Made in the USA.



Part #	FPT	Description	Rear Jet Degree	GPM	PSI
UE48216-60	1"	Bulldozer	12°	60	Up to 2000
UE48216-80	1"	Bulldozer	12°	80	2000
UE48220-60	1 1/4"	Bulldozer	12°	60	2000
UE48220-80	1 1/4"	Bulldozer	12°	80	2000

# Intruder Nozzle

Intruder nozzle, available in 3/4" and 1" FPT connection, is a missile-shaped heat-treated steel alloy nozzle equipped with built-in skids, helping center the nozzle in pipe and with all manufacturing elements intended to extend nozzle life. Used to create a path through debris in the bottom of pipe such as root masses, grease, sand, soap and grease and anything else a heavy duty nozzle application is needed for. Performs best in pipe up to 18" diameter. The three replaceable rear jets are set at a 12° angle and are of stainless steel construction. These can be upgraded to tungsten carbide for longer life. The front nozzle has a front jet to pierce through debris. This is a very efficient nozzle and is available for sewer cleaning machines up to 80 GPM at up to 3000 PSI pump pressure. Replacement jet orifices are available.

## Specifications

Rear jet angle: 12°

Diameter: 3 3/4"

Length: 14 1/4"

Weight: 15 lbs.

Made in the USA.



Part #	FPT	Description	Rear Jet Degree	GPM	PSI
IT-7560	3/4"	Intruder	12°	60	2000
IT-7580	3/4"	Intruder	12°	80	2000
IT-160	1"	Intruder	12°	60	2000
IT-160-3000	1"	Intruder	12°	60	3000
IT-180	1"	Intruder	12°	80	2000

# Petee Nozzle

Petee nozzle, equipped with a 1" FPT connection, is made for heavy-duty pipe cleaning. Made of steel, it has reinforced welded runners to center the nozzle in the middle of the pipe. Twelve rear dual-degree 17° and 24° removable jet orifices provide 360° of powerful water-jet streams to fully clean any heavy debris in the bottom of a pipe such as sand, gravel, and heavy organic build-up. Has optional removable front jet orifice when penetrating and breaking up debris is needed. Performs best in 10" to 36" storm and sanitary pipes. For sewer cleaning machines up to 80 GPM and up to 3000 PSI pump pressure. Replacement jet orifices are available.

## Specifications

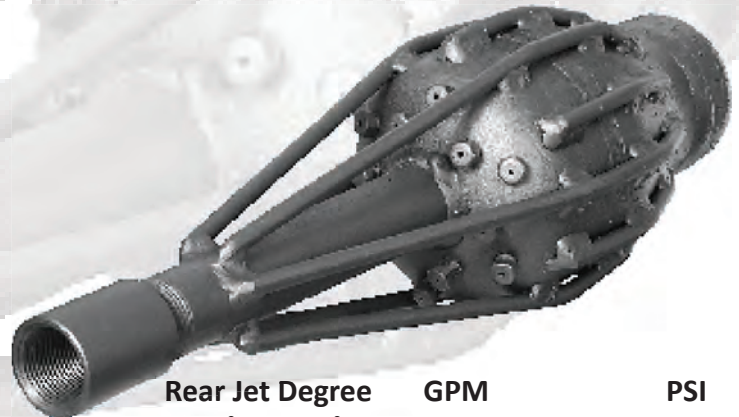
Rear jet angle: 17° and 24°

Diameter: 5 3/4"

Length: 18"

Weight: 11.6 lbs.

Made in the USA.



Part #	FPT	Description	Rear Jet Degree	GPM	PSI
P100256	1"	Petee	17° and 24°	60 to 65	1675 to 2000
P100280	1"	Petee	17° and 24°	80	1675 to 2000

# Big Pete Nozzle

Big Pete, equipped with a 1" FPT connection, is the big brother to the Petee nozzle and is also made for heavy duty pipe cleaning with steel construction and reinforced welded runners to help keep this nozzle centered in a pipe. Twelve rear dual degree 17° and 24° removable jet orifices provide 360° of powerful water jet streams to fully clean any heavy debris in the bottom of pipe such as sand, gravel, and heavy organic build-up. Has optional removable front jet orifice when penetrating and breaking up debris is needed. Performs best in 18" to 60" storm and sanitary pipes. For sewer cleaning machines up to 80GPM and up to 3000 PSI pump pressure. Replacement jet orifices are available.

## Specifications

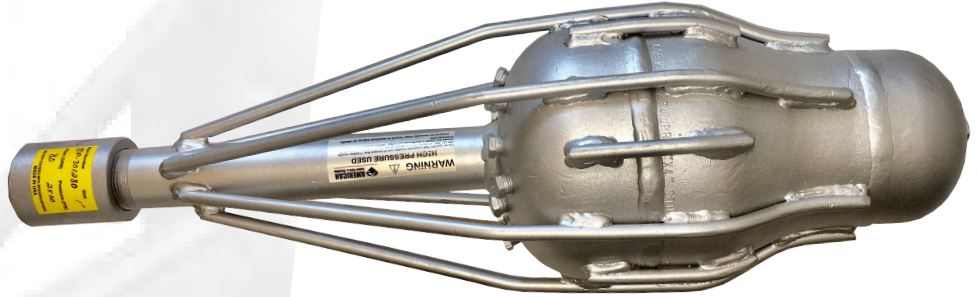
Rear jet angle: 17° and 24°

Diameter: 7 1/2"

Length: 23"

Weight: 28 lbs.

Made in the USA.



Part #	FPT	Description	Rear Jet Degree	GPM	PSI
BP-301256	1"	Big Pete	17° and 24°	55 to 60	1675 to 2000
BP-301280	1"	Big Pete	17° and 24°	80	1675 to 2000

# ***Jet Paks***

## **Part #G2-Kit**

### **1/8" 4000 PSI (1 lb.)**

Nozzle Group Total of 8 Nozzles - Includes all eight 1/8" nozzles we offer:

One each of the following part number: G2-33, G2-34, G2-35, G2-36, G2-303, G2-304, G2-305 and G2-306.

## **Part #G25-34**

### **1/4" 3-4 GPM @ 4000 PSI (1 lb.)**

Nozzle Group Total of 8 Nozzles - Includes eight of our best selling nozzles:

One each of the following part number: G7-33 & G7-303 and 2 each of: G0-13, G7-43 and G7-403.

## **Part #G25-56**

### **1/4" 5-6 GPM @ 4000 PSI (1 lb.)**

Nozzle Group Total of 8 Nozzles - Includes eight of our best selling nozzles:

One each of the following part numbers: G7-44, G7-304 and 2 each of: G0-14, G7-34 and G7-404.

## **Part #G25-710**

### **1/4" 7-10 GPM @ 4000 PSI (1 lb.)**

Nozzle Group Total of 8 Nozzles - Includes eight of our best selling nozzles:

One each of the following part numbers: G7-35, G7-46, G7-305, G7-406, G0-16, G7-306 and (2) G0-15.

## **Part #G375-34**

### **3/8" 3-4 GPM @ 4000 PSI (1 lb.)**

Nozzle Group Total of 6 Nozzles -Includes all six of the best selling nozzles:

One each of the following part numbers:

G5-13, G8-33, G8-303, G8-43 and (2) G8-403.

## **Part #G375-56**

### **3/8" 5-6 GPM @ 4000 PSI (1 lb.)**

Nozzle Group Total of 6 Nozzles -Includes all six of the best selling nozzles:

One each of the following part numbers: G5-14, G8-34, G8-304, G8-404 and (2) G8-44.

## **Part #G375-710**

### **3/8" 7-10 GPM @ 4000 PSI (1 lb.)**

Nozzle Group Total of 6 Nozzles - Includes all six of the best selling nozzles:

One each of the following part numbers: G5-15, G8-305, G8-45, & G8-405 and (2) G8-35.

## **Part #F815-Kit**

### **1/2" 8-15 GPM @ 4000 PSI (1.75 lbs.)**

Nozzle Group Total of 6 Nozzles - Includes six of the best selling nozzles:

Two each of the following part numbers: F1-115, F1-1115 and F5-315.

## **Part #F1525-Kit**

### **1/2" 8-15 GPM @ 4000 PSI (1.75 lbs.)**

Nozzle Group Total of 6 Nozzles - Includes six of the best selling nozzles:

Two each of the following part numbers: F1-125, F1-1125 and F5-325.

# Nozzle Kits

## **Part # U58-12-60-2000**

### **3/4" Carbide Nozzle Kit - 60 GPM @ 2000 PSI (12.5 lbs.)**

Includes all 3 of the best selling nozzles - One each of the following part numbers: U58927CFB, U58756CFB and U58926CFB.

## **Part # UEZ-12-50-3000**

### **3/4" Hustler Nozzle Kit - 50 GPM @ 3000 PSI (12.5 lbs.)**

Includes all 3 of the best selling nozzles - One each of the following part numbers: UEZ30.075.50, UEZ40.075.50 and UEZ60.075.50.

## **Part # UEZ-16-65-2000**

### **1" Hustler Nozzle Kit - 65 GPM @ 2000 PSI**

Includes all 4 of the best selling nozzles - One each of the following part numbers: UEZ30.100.65.2, UEZ40.100A, UEZ60.100.65.2 and UEZ60.100L-65.

## **Part # UEZ-16-50-3000**

### **1" Hustler Nozzle Kit - 50 GPM @ 3000 PSI**

Includes all 4 of the best selling nozzles - One each of the following part numbers: UEZ30.100.50, UEZ40.100.50, UEZ60.100.50 and UEZ60.100L-50.

## **Part # U58-16-80-2500**

### **1" Carbide Nozzle Kit - 80 GPM @ 2500 PSI**

Includes all 4 of the best selling nozzles - One each of the following part numbers: U58927BJC, U58756BJC, U58929BJC and U589926BJC.

## **Part # U58-16-60-2000**

### **1" Carbide Nozzle Kit - 60 GPM @ 2000 PSI**

Includes all 4 of the best selling nozzles - One each of the following part numbers: U58927BFB, U58756BFB, U58929BFB and U58926BFB.

## **Part # U58-16-80-3000**

### **1" Carbide Nozzle Kit - 80 GPM @ 3000 PSI**

Includes all 4 of the best selling nozzles - One each of the following part numbers: U58927BJB, U58756BJB, U58929BJB and U58926BJB

## **Part # E0-12-35-1800**

### **3/4" Steel Nozzle Kit - 35 to 45 GPM @ 1800 PSI (7.5 lbs)**

Includes all 6 of the best selling nozzles - One each of the following part numbers: E0-335, E0-3A35, E0-3N35, E0-3NA35, E0-435 and E2-335.

## **Part # E0-12-35-3000**

### **3/4" Steel Nozzle Kit - 35 GPM @ 3000 PSI (7.5 lbs.)**

Includes all 6 of the best selling nozzles - One each of the following part numbers: E0-335V, E0-3A35V, E0-3N35V, E0-3NA35V, E0-435V and E2-335V.

## **Part # AB-16-50-3000**

### **1" Steel Nozzle Kit - 50 GPM @ 3000 PSI (8.5 lbs.)**

Includes all 6 of the best selling nozzles - One each of the following part numbers: A3-150-3000, A4-250-3000, A4-2A50-3000, A4-2N50-3000, 4-2NA50-3000 and C0-155V.

## **Part # AB-16-60-2000**

### **1" Steel Nozzle Kit - 60 GPM @ 2000 PSI (8.5 lbs)**

Includes all 6 of the best selling nozzles -1 each of the following part numbers: A3-160, A3-1260, A4-260, A4-2N60, A4-2A60 and A4-2NA60.