



SPEEDWAGON

PUMPS & EQUIPMENT



FLUID TRANSFER & SEWER CLEANING

Nozzles



speedwagon.co.za

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PUMPS & EQUIPMENT

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Preventative Maintenance



Grease, Fats



Large Debris, Rocks, Mud, Sand, Slit



Heavy Blockage such as Limestone

ABOUT SPEEDWAGON

At Speedwagon, our directors bring over 70 years of hands-on experience with pumps. They have a real passion for business and are known for spotting new value adding opportunities.

It all started when we began sourcing equipment for ourselves. Pretty soon, we realized a strong demand for high-quality gear existed —and that's what started our journey.

We're all about building long-term relationships by offering top-notch products and dependable after-sales support.

Working closely with our suppliers in Asia and Europe, along with our distributors and partners across Africa, our aim is to become a trusted name in equipment supply throughout the continent.



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For Munciple Use

Bomb Nozzles



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The nozzle is made from wear-resistant hardened stainless steel, with a front ceramic insert and a plug (interchangeable).

All ceramic inserts are replaceable, which extend nozzle's service life extensively.

Application:

Removing and breaking up stubborn blockages in pipelines, as well as cleaning other kinds of obstructions, e.g. limestone deposits, sand gravel, sludge, grease and mud.

Type: **Static Nozzle**

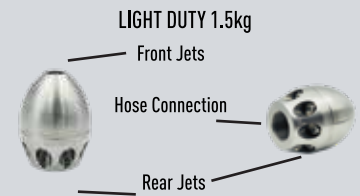
Interface Thread: **NPT or BSPP**

Max Pressure: **300 Bar**. Different flows and pressures are available on request.



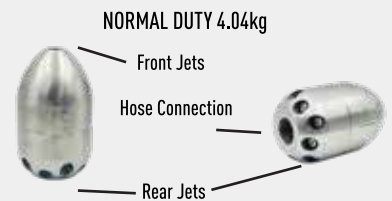
LIGHT DUTY 1.5kg

High traction grenade nozzle, designed and manufactured with a lot of rear jets that enable adequate cleaning in pipes.



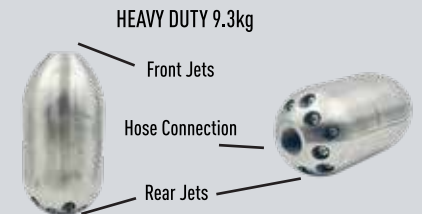
NORMAL DUTY 4.04kg

High traction grenade nozzle, designed and manufactured with a lot of rear jets that enable adequate cleaning in pipes.



HEAVY DUTY 9.3kg

Very high traction nozzles, torpedo shaped for cleaning pipes from sand and heavy sediments.



	ND 1.5kg	ND 4.04kg	HD 9.3kg
Thread	1"	1"	1"
Pipe Size (mm)	Ø150-500	Ø150-500	Ø150-600
Flow Rating (L/min)	≥135	≥200	≥200
Front Nozzle No.	1 x M10	1 x M8	1 x M8
Rear Nozzle	8 x M10	10 x M8	12 x M8
Front Nozzle Angle	0°	0°	0°
Rear Nozzle Angle	3 x 30° & 5 x 33°	3 x 30° & 5 x 33°	5 x 30° & 5 x 33°
Nozzle Type	Ceramic	Ceramic	Ceramic
Dimensions Length	96mm x Ø71.5mm	140mm x Ø87mm	210mm x Ø100mm
Weight (kg)	1,5	4,04	9,3
Pressure Range (bar)	≤200	≤300	≤300

For Municipal Use

Channel Cleaner



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The nozzle is made of wear-resistant hardened steel, it has better traction and removal capacity than conventional nozzles because of its low-inclination, ideal for removing sand, debris, etc. of large flat pipes.

All ceramic inserts are replaceable, being used together with straight swivel.

Application:

Removing heavy or compacted solids, sludge, stones and bricks in large pipelines.

Type: **Static Nozzle**

Interface Thread: **NPT or BSPP**

Max Pressure: **300 Bar**. Different flows and pressures are available on request.



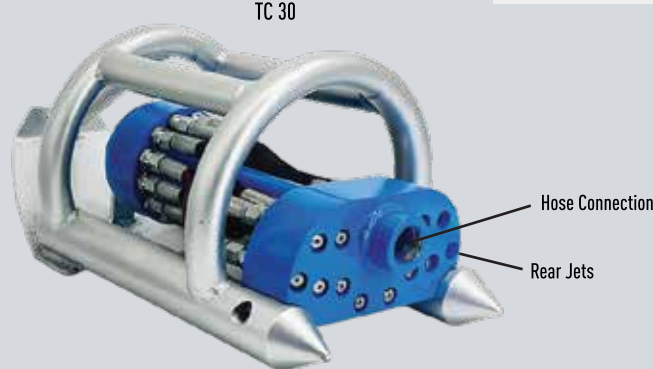
TC 15



TC 20



TC 25



TC 30

	TC 15	TC 20	TC 25	TC 30
Thread	1"	1"	1"	1"
Pipe Size (mm)	Ø400-1500	Ø400-1500	Ø400-1500	Ø400-1800
Flow Rating (L/min)	≥170	≥215	≥270	≥315
Rear Nozzle	13 x M10	13 x M10	13 x M10	12 x M10
Nozzle Type	Steel	Steel	Steel	Steel
Dimensions Length (mm)	337 x 202 x 177	375 x 222 x 204	425 x 242 x 216	513 x 270 x 227
Weight (kg)	15	20	25	30
Pressure Range (bar)	≤200	≤200	≤200	≤200

For Municipal Use

Floor Cleaner



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The nozzle is made of wear-resistant hardened stainless steel, ideal for cleaning flat pipelines.

The flat design together with rounded corners & edges.

All ceramic inserts are replaceable, which extends the service life several times than drilled nozzles.

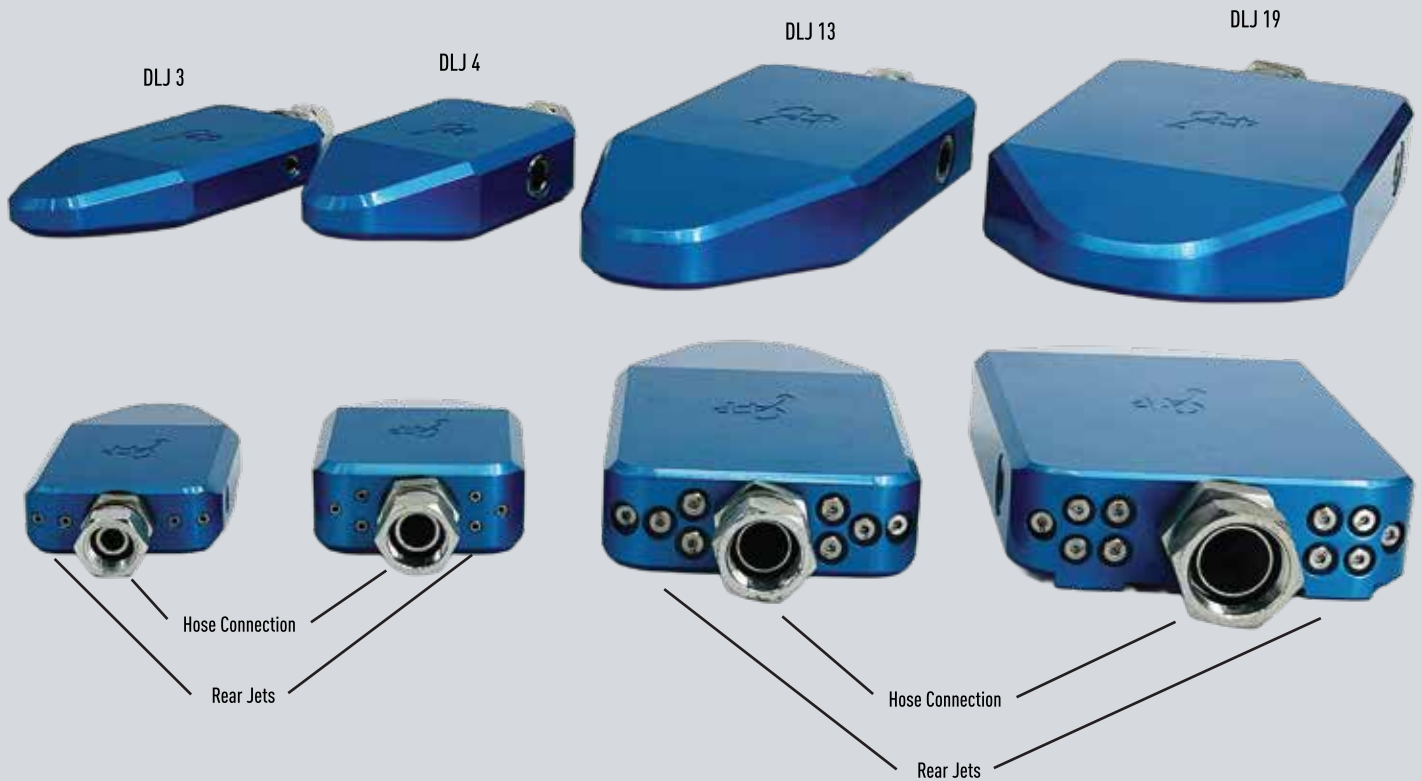
Application:

Removing mud, gravel and sediments in flat pipes and drains.

Type: **Static Nozzle**

Interface Thread: **NPT or BSPP**

Max Pressure: **300 Bar**. Different flows and pressures are available on request.



	DLJ 3	DLJ 4	DLJ 13	DLJ 19
Thread	1/2"	3/4"	1"	1-1/4"
Pipe Size (mm)	Ø150-300	Ø200-400	Ø300-600	Ø400-800
Flow Rating (L/min)	≥60	≥100	≥200	≥250
Rear Nozzle	4 x M6	6 x M6	8 x M10	10 x M10
Nozzle Type	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel
Dimensions Length (mm)	85 x 30 x 180	95 x 42 x 170	145 x 48 x 315	180 x 55 x 325
Weight (kg)	2.98	3.96	13.2	19.7
Pressure Range (bar)	≤250	≤250	≤250	≤250

For Munciple Use

Pointed Nozzles



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The nozzle is made of wear-resistant hardened stainless steel. It has an excellent high penetrating thrust with multiple forward-penetrating jets. Its sharp edges can cut, break and penetrate various blockages.

All ceramic inserts are replaceable, which extends the service life several times than that of drilled nozzles.

Application:

Cleaning complete blockage caused by rocks, ice, limestone, condensation, roots, etc. in pipelines.

Attention:

It is recommended to not use this nozzle in sharp bends and plastic pipes due to the great destructive power of its sharp edges.

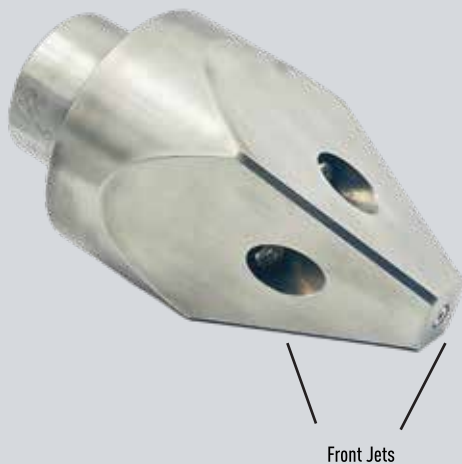
Type: **Static Nozzle**

Interface Thread: **NPT or BSPP**

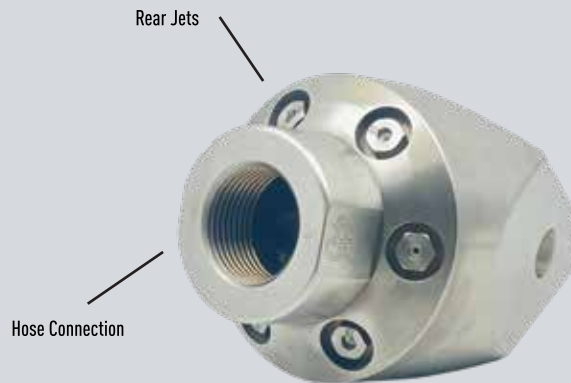
Max Pressure: **300 Bar**. Different flows and pressures are available on request.



CC 3.5-1 (Without Drillpoint)



Front Jets



Hose Connection

CC 3.5 (With Drillpoint)



Drillpoint

CC 3.5-1

Thread	1"
Pipe Size (mm)	Ø150-500
Flow Rating (L/min)	≥215
Front Nozzle with Drill Point	4 x M10
Front Nozzle	1 x M8 + 4 x M10
Rear Nozzle	6 x M10
Nozzle Type	Stainless Steel
Dimensions Length (mm)	Ø87 x 157
Weight (kg)	3.5
Pressure Range (bar)	≤200

Drillpoint

Thread	M8
Dimensions Length (mm)	Ø14 x 40
Drillpoint Part Number	81.0008

For Municipal Use

Retro Jet Nozzle



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The nozzle is made of wear-resistant hardened stainless steel, ideal for cleaning flat pipelines.

Application:

Low cost general purpose nozzle.

Type: **Static Nozzle**

Interface Thread: **NPT or BSPP**

Max Pressure: **300 Bar**. Different flows and pressures are available on request.



	Retro Jet
Thread	1"
Pipe Size (mm)	Ø100-300
Flow Rating (L/min)	≥70 - 270
Front Nozzle	1 x M6 - On request
Rear Nozzle	8
Nozzle Type	Steel
Dimensions Length (mm)	64 x Ø48
Weight (kg)	0.46
Pressure Range (bar)	≤300

For Munciple Use

Beater Nozzles



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The nozzle is made of wear-resistant hardened stainless steel. Its Off-axis Rotor Section generates aggressive vibration and jets, which is ideal for removing and cleaning the deposits from the bottom of pipes. The rotating jets are more aggressive and effective in removing limestone.

All ceramic inserts are replaceable, which extends the service life several times than that of drilled nozzles.

Application:

Removing scale, mineral deposits, concrete, asphalt, etc. in pipelines.

Attention:

1. Never use this nozzle in ceramic, thin plastic or PVC pipes because of the possible damage on pipelines caused by aggressive shock and vibration.
2. Operator muse control the working pressure all the time as the possible structure damage caused by high pressure.

Type: Rotating Nozzle

Interface Thread: NPT or BSPP

Max Pressure: 137 Bar. Different flows and pressures are available on request.



Off-Axes Rotor Part



	QJ 2.6	QJ 6.4
Thread	3/4"	1"
Pipe Size (mm)	Ø150-500	Ø150-500
Flow Rating (L/min)	≥170	≥270
Front Nozzle	6 x M10	6 x M10
Rear Nozzle	2 x M10	2 x M10
Nozzle Type	Stainless Steel	Stainless Steel
Dimensions Length (mm)	123 x Ø77	163 x Ø105
Weight (kg)	2,6	6,4
Pressure Range (bar)	≤137	≤137
Off Axes Rotor Section Part Number	81.0009	81.0010
Off Axes Rotor Section Length (mm)	Ø58 x 46	Ø72 x 61

For Municipal Use

Bulldog Nozzles



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The Bulldog nozzle handles 150mm- 900mm pipes and features controlled rotation to deeply penetrate deposits. Bulldog nozzles are ideal for municipal and industrial sewer cleaning professionals running large combination trucks with 1" hose.

This Bulldog nozzle is equipped with a universal head that is jetted for an equal balance of pulling/flushing and cleaning/cutting.

Features:

- Available in preconfigured options for the most common flows and pressures
- Repairable and rebuildable, field serviceable
- Newly designed 4-fin centralizer for enhanced durability

Advantages:

- No pressure equalisation through stench traps or toilets
- Excellent streak-free, all-around cleaning
- Low maintenance, and compatible with recycled water
- Proven design
- Very simple to match to pump capacity
- Scientifically examined and tested

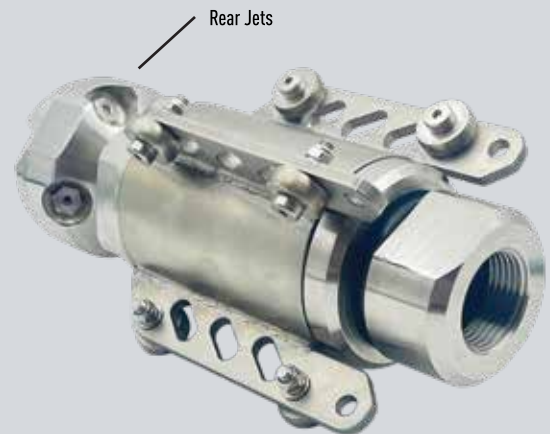
Type: Rotating Nozzle

Interface Thread: NPT or BSPP

Max Pressure: 350 Bar. Different flows and pressures are available on request.



Bulldog Nozzle



Bulldog

Thread	1" BSP
Pipe Size (mm)	150 - 900
Flow Rating (L/min)	150 - 315
Front Nozzle	1
Rear Nozzle	4
Nozzle Type	Ceramic
Dimensions Length (mm)	224mm x Ø120
Weight (kg)	4.9
Pressure Range (bar)	137 - 350

For Municipal Use

Carbide Miller Nozzles



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The nozzle is made of wear-resistant hardened stainless steel. High-pressure rotating water jets from the pump impacts the dirt and deposits from pipelines by its strong kinetic energy.

All ceramic inserts are replaceable, which extends the service life several times than that of drilled nozzles.

Application:

Removing grease, sediment, roots, etc. from various types of pipelines like rainwater and sewage pipes.

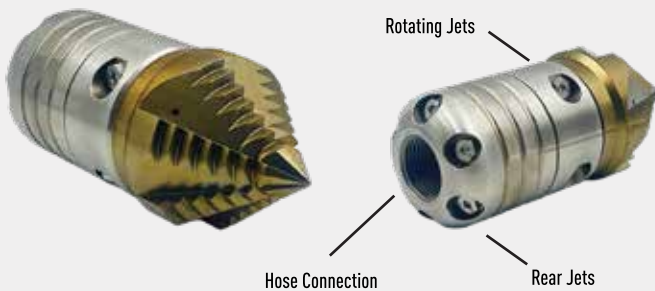
Type: Rotating Nozzle

Interface Thread: NPT or BSPP

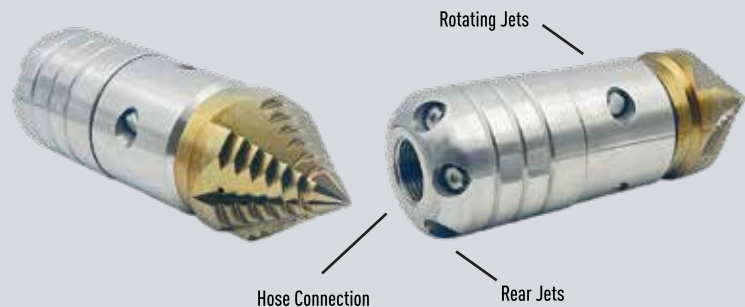
Max Pressure: 172 Bar. Different flows and pressures are available on request.



CBT 3



CBT 5



	CBT 3	CBT 5
Thread	1"	1"
Pipe Size (mm)	Ø100-300	Ø100-300
Flow Rating (L/min)	≥215	≥215
Front Nozzle	4 x M10	4 x M10
Rear Nozzle	6 x M10	6 x M10
Nozzle Type	Stainless Steel	Stainless Steel
Dimensions Length (mm)	172 x Ø74	220 x Ø74
Weight (kg)	3	5
Pressure Range (bar)	≤172	≤172

For Municipal Use

Crosbow Nozzles



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The nozzle is made of wear-resistant hardened stainless steel. High-strength chains provide extremely effective cutting forces. Different chain sizes together with Extension Kit are used in conjunction with the nozzle to accommodate different working pipe sizes.

Nozzles can be purchased in sets or individually.

All ceramic inserts are replaceable, which extends the service life several times than that of drilled nozzles.

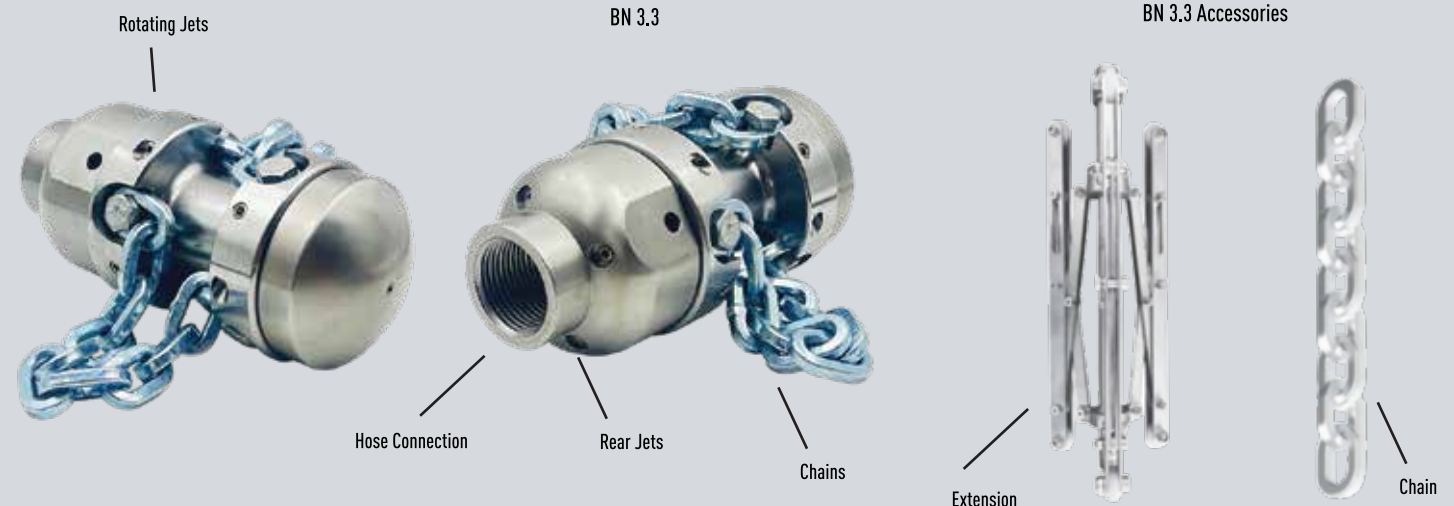
Application:

Removing roots, ice limestone, concrete, mineral deposits, etc in pipelines.

Type: Rotating Nozzle

Interface Thread: NPT or BSPP

Max Pressure: 250 Bar. Different flows and pressures are available on request.



BN 3.3

Thread	1"
Pipe Size (mm)	Ø225-600
Flow Rating (L/min)	≥170
Front Nozzle	6 x M6
Rear Nozzle	4 x M6
Nozzle Type	Stainless Steel
Dimensions Length (mm)	165.5 x Ø74
Weight (kg)	3.3
Pressure Range (bar)	≤250

Chain

Chain	Part Number
DN200	81.0015
DN250	81.0016
DN300	81.0017
DN350	81.0018
DN400	81.0019
DN450	81.0020
DN500	81.0021
DN550	81.0022
DN600	81.0023

Extension Kit for DN225-DN600

Thread for 81.0013	1" NPT
Thread for 81.0014	1" BSP

For Municipal Use

Penetrator Nozzles



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Applications

Sludge deposits, fine roots, clogs, and maintenance cleaning.

The Penetrator is a universal pipe cleaning nozzle suitable for pipe diameters between 60 and 250 mm, depending on the design.

Special Feature

Thanks to its cone-shaped rotating front jet, the Penetrator mills through the clog in one operation. At the same time, most of the available water volume pushes the Penetrator forward and transports the dirt out of the pipe.

Type: Rotating Nozzle

Interface Thread: NPT or BSPP

Max Pressure: 200 Bar. Different flows and pressures are available on request.



	Penetrator
Thread	1" BSP
Pipe Size (mm)	
Flow Rating (L/min)	100 - 270
Front Nozzle	1
Rear Nozzle	8
Nozzle Type	Ceramic
Dimensions Length (mm)	94mm x Ø55mm
Weight (kg)	0.83
Pressure Range (bar)	137 - 200

For Munciple Use

Root Cutter Medium Nozzles



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The nozzle is made of wear-resistant hardened stainless steel.
Different chains for different pipe sizes.

All ceramic inserts are replaceable.

The Kits contain Nozzles, Centralizer, Chains and tool kits.

Application:

Makes removing roots, grease and mineral deposits easier.

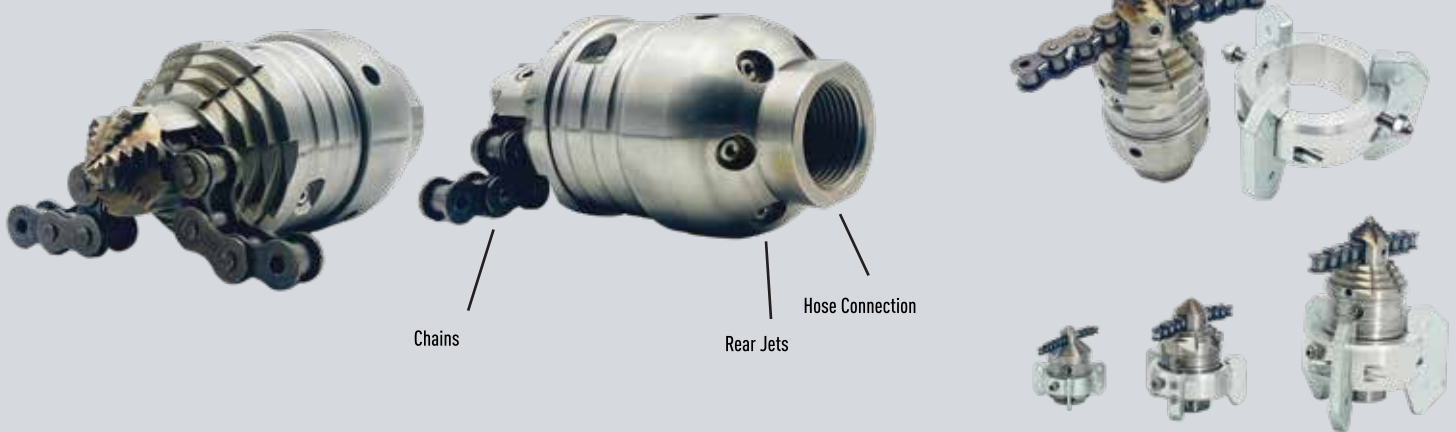
Type: Rotating Nozzle

Interface Thread: NPT or BSPP

Max Pressure: 300 Bar. Different flows and pressures are available on request.



DSG-1 / DSG-0.75 / DSG-0.5



	DSG-1	DSG-0.75	DSG-0.5
Thread	1"	1"	1"
Pipe Size (mm)	Ø100-300	Ø100-200	Ø50-150
Flow Rating (L/min)	≥300	≥190	≥70
Front Nozzle	3 x M8	3 x M6	3 x M6
Rear Nozzle	6 x M8	4 x M6	6 x M6
Nozzle Type	SS	SS	SS
Dimensions Length (mm)	150 x Ø70	92.4 x Ø53	68 x Ø36
Weight (kg)	3.3	1.1	0.4
Pressure Range (bar)	≤137	≤200	≤270

Chain	Part Number	Chain	Part Number	Chain	Part Number
DSG-0.5 DN75	81.0036	DSG-0.75 DN150	81.0041	DSG-1 DN250	81.0046
DSG-0.5 DN100	81.0037	DSG-0.75 DN 200	81.0042	DSG-1 DN300	81.0047
DSG-0.5 DN150	81.0038	DSG-1 DN100	81.0043		
DSG-0.75 DN100	81.0039	DSG-1 DN150	81.0044		
DSG-0.75 DN125	81.0040	DSG-1 DN200	81.0045		

For Munciple Use

Root Cutter HD Nozzles



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PUMPS & EQUIPMENT

The nozzle is made of wear-resistant hardened stainless steel. Choose suitable Kits and chains for different pipe sizes before operation and use it in conjunction with a high-pressure swivel.

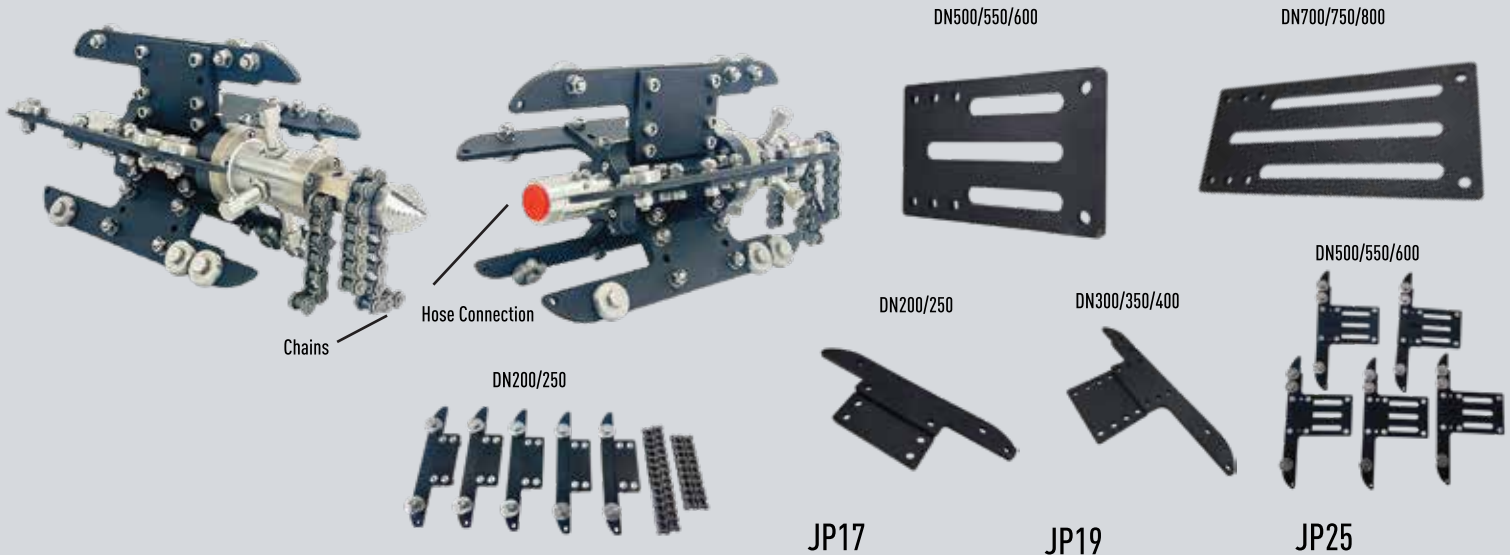
The standard configuration of JP25 can be operated in pipes of DN300/350/400, while the Extension Kits will increase the nozzle operation up to DN800

Application:
Removing Roots, ice, limestone, concrete, etc. in pipelines.

Type: Rotating Nozzle

Interface Thread: NPT or BSPP

Max Pressure: 172 Bar. Different flows and pressures are available on request.



Thread	1"	1"	1"
Pipe Size (mm)	Ø200	Ø250	Ø300-800
Flow Rating (L/min)	≥215	≥250	≥270
Front Nozzle	4 x M10	4 x M10	4 x M10
Rear Nozzle	10 x M10	10 x M10	10 x M10
Nozzle Type	SS	SS	SS
Dimensions Length (mm)	502 x Ø192	502 x Ø242	569 x Ø283
Weight (kg)	17	19	25
Pressure Range (bar)	≤137	≤137	≤137

Chain	Part Number	Chain	Part Number	Extension Kits	Part Number
DN300	81.0027	DN600	81.0032	Fixed Kit DN300-400	81.0024
DN350	81.0028	DN700	81.0033	Fixed Kit DN500-600	81.0025
DN400	81.0029	DN750	81.0034	Fixed Kit DN700-800	81.0026
DN500	81.0030	DN800	81.0035		
DN550	81.0031				

For Municipal Use

Rotating Nozzles



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The nozzle is made of wear-resistant hardened stainless steel. The aggressive and penetrating action generated by its radial jets is optimal for removing scale, grease, etc. in order to get more even and effective cleaning. It is recommended to use a suitable Centralizer to ensure the nozzle is located in the right place in pipes.

All ceramic inserts are replaceable, which extends the service life several times than that of drilled nozzles.

Application:

Removing scale, grease, roots, etc. from pipelines.

Type: Rotating Nozzle

Interface Thread: NPT or BSPP

Max Pressure: 250 Bar. Different flows and pressures are available on request.



GB1.2



GB3.1



	GB1.2	GB3.1
Thread	3/4"	1"
Pipe Size (mm)	Ø100-200	Ø100-300
Flow Rating (L/min)	≥170	≥300
Front Nozzle	4 x M6	4 x M10
Rear Nozzle	6 x M6	6 x M10
Nozzle Type	Stainless Steel	Stainless Steel
Dimensions Length (mm)	93.5 x Ø53	132 x Ø70
Weight (kg)	1,2	3,1
Pressure Range (bar)	≤200	≤137