

Our new Vanpack model, designed to take the smallest possible footprint .

Supplied standard with:

- 23 or 27 Class Honda Australia Engine with 3 Year Warranty and "Key" electric start
- Comet Italian Premium Pump and & PA Gearbox
- Extra Large Stainless 50 litre water tank with low water cut-out
- Stainless 25 litre fuel tank
- Compact Roll frame
- Mustang 7 Piece Nozzle Box, including Root Cutter
- "Rapid Reel" High Pressure reel complete with 60m of 1/4" Barflex USA Drain Cleaning Hose.
- Battery Isolator switch to prevent flat battery
- Unloader and Safety Relief Valve
- Optional kill switch for municipals
- Now standard with multiple reel positioning feature
- Quick Release Hose-to-Nozzle Connections



▲ EJT Frame
BAR5027G-HEJT



Footprint for the "HEJT" machine

Without Hose reels - L1080 x W550 x H850
With Hose reels - L1600 x W550 x H850

BARjetter accessories:



Mini Reel Locking Plate



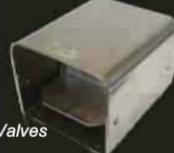
Mini Reel
c/w 60m 1/4"



15 Piece (or 7 piece)
Nozzle Box



1/8" Drain Snake



Foot Valves



Upgrade from Warhog WV
to Warhog WT -

Warhog Nozzles

Drain Cleaning

Mobile / Van Mounted



Make short work of blocked drains with a BARjetter.

In drain cleaning mode, the BARjetter is ideal for clearing tree roots in drains from 40mm to 225mm. In high pressure cleaning mode, use the BARjetter for graffiti removal, brick cleaning, roof restoration, driveway clearing and any OH&S cleaning task.

Supplied standard with:

- 23 or 27 Class Honda Australia Engine with 3 Year Warranty and "Key" electric start
- Comet Italian Premium Pump, a pump so good that our competitors are now adding it to their machines
- PA Gearbox
- Large Stainless 38 litre water tank with low water cut-out
- Stainless (not plastic) 25 litre fuel tank
- Unloader and Safety Relief Valve
- Inline stainless water filter
- Gal. roll frame with vibration absorbing pneumatic tyres
- Easily removed wheels and axles for truck/van mounting
- Battery Isolator valve to prevent flat battery
- Optional kill switch for municipals
- Pressure gauge
- "Rapid Reel" High Pressure reel complete with 60m of 1/4" Barflex USA Drain Cleaning Hose. Reel standard with multiple positioning feature.
- Quick Release Hose-to-Nozzle Connections
- Mustang 7 Piece Nozzle Box
- Mini Reel with 60m of 1/4" Barflex USA Drain Cleaning Hose
- Cleans Drains up to 225mm (9")



Specify your "HEJM" machine in one of 3 versions:

- 1) **Standard** - Ideal for maneuverability around sites
- As displayed
Frame with Wheels - L860 x W800 x H690
Frame with Handle/No reels - L860 x W550 x H990
Frame with Hose Reel - L860 x W800 x H1260
- 2) **Compact** - With smaller wheels & axles
- Allows for access through door ways
Frame with small wheels - L860 x W740 x H1260
- 3) **Stationary** - Without wheels for trailer mounting
- Use vibration mounts when mounting
Frame without Wheels - L860 x W550 x H690

▲ EJMT Frame



Easily removable wheels
& axles for more
compact configuration

Model #	BAR4323G-H Jetter	BAR5027G-H Jetter	BAR5027G-HEJT Jetter	BAR5027G-VEJT Jetter	BAR4331G-VEJT Jetter	BAR5027G-KEJT Jetter
Fuel	Petrol	Petrol	Petrol	Petrol	Petrol	Diesel
Performance - Pressure - Flow	4300Psi 21l/min.	5000Psi 21l/min.	5000Psi 21l/min.	5000Psi 26l/min.	4300Psi 30l/min.	5000Psi 21l/min.
Engine - Class - Type (Air Cooled)	24 Class Honda Aust	28 Class Honda Aust	28 Class Honda Aust	27Hp Vanguard	31Hp Vanguard	KD477 23 K Diesel
Frame	4 wheel mobile	4 wheel mobile	4 wheel mobile	Van Mount	Van Mount	Van Mount
Water Tank (Stainless)	38 Litre	38 Litre	50 Litre	50 Litre	50 Litre	50 Litre
Fuel Tank (Stainless)	25 Litre	25 Litre	25 Litre	25 Litre	25 Litre	25 Litre
Top Reel - 60m Hose	✓ 1/4"	✓ 1/4"	✓ 1/4"	✓ 3/8" 50m	✓ 3/8" 50m	✓
BAR 7 Piece Nozzle Box	✓	✓	✓	✓	✓	✓
Mini Reel - 60m Hose	✓ 3/16"	✓ 3/16"	✓ 3/16"	✓ 1/4"	✓ 1/4"	✓
Warthog Nozzle WV 1/4	X	✓**	✓**	✓**	✓**	✓**
List	\$poa	\$11,999 C 🧡	\$poa	\$poa	\$poa	\$poa

**Or swap 7 Piece Nozzle Box & Warthog WV 1/4 to a 15 Piece Mustang Nozzle Box
Upgrade from Warthog WV 1/4 to Warthog WT 3/8

200/300/400 Series Van Pack with Plunger Pump



Series	200	300	400C2
Drains to:	200mm	300mm	400mm
Pressure	2900 Psi	2900 Psi	2600 Psi
Flow	41 l/min.	50 l/min.	60 l/min.
Pump	Triplex Plunger	Triplex Plunger	Triplex Plunger
Engine	Kohler 24hp	Kohler 35hp	48hp
Cooling	Water Cooled	Water Cooled	Water Cooled
Water Tank	1 x 60 litre	1 x 60 litre	1 or 2 x 390 litre

3516-Van Pack 3500 Psi / 70 l/min with Harben Pump



Harben 3516-Van Pack 3500Psi / 70 l/min.
Yanmar 4TNV88 42Hp Diesel
Harben P Pump

Complete with:
Mk2 Safety gun with jets
1 set of std drain jets 3r,6r,3r1f
Fitted with Hydraulic Hose Reel & 150m hose
Inlet water hose reel & hose
Jump Jet jet
1 set HE drain jets 3r , 6r , 3r 1f
1xTiger tail hose feed guide

3516-DTB Trailer 3500 Psi / 70 l/min



Harben 3516-DTB 3500Psi / 70 l/min.
Yanmar 4TNV88 42Hp Diesel
Harben P Pump

Complete with:
Registered trailer / Twin water Tanks
Mk2 Safety gun with jets
1 set of std drain jets 3r,6r,3r1f
Fitted with Hydraulic Hose Reel & 150m hose
Inlet water hose reel & hose
Jump Jet
1 set HE drain jets 3r , 6r , 3r 1f
1xTiger tail hose feed guide

4020-Hi Q Trailer 4000 Psi / 90 l/min



Harben 4020-Hi Q 4000Psi / 90 l/min.
Isuzu or Perkins 80Hp Diesel, Harben P Pump
Supplied complete with a registered trailer
Twin water Tanks

Model	Pressure	Flow	Engine						Pump		Mounting
	(Psi)	(l/min)	Brand	Start	Hp	Model	Cooling	Cylinders	Harben	Drive	
BAR3516-Van Pack	3500	70	Yanmar	Elec.	42Hp	4TNV88			P Pump		Skid
BAR3516-DTB	3500	70	Yanmar	Elec.	42Hp	4TNV88			P Pump		Trailer with water tanks
BAR4020-Hi Q	4000	90	Perkins	Elec.	80Hp				P Pump		Trailer with water tanks
BAR300 Van Pack	2900	50	Kohler(Lomb)	Elec.	35 Hp		Water		Plunger		Frame

Drain Cleaning Hose Reels



BARjetter Remote Reel

- Stainless steel frame c/w hose reel taking up to 60 metres of 1/4" drain cleaning hose
- Complete with integrated Shut Off Valve, Pressure Gauge, Rubber Handle and storage space to hold 3 QC nozzles
- The only reel on the market fitted with a MosmaticSwiss manufactured swivel..overcomes the troublesome Chinese swivels on some other brands

Reel now with
Swiss Swivel.
Simply the best



Standard (takes 60m Hose)	Maxi (takes 120m Hose)	With 60m Jetter Hose
175 PW134-MRB Remote Reel \$poa	175 PW134-MRBM Maxi Remote Reel \$1,336C	175 PW134-MRB 60B 3/16 BARflex 3/16" \$1,639C
175 85.402.001BA Reel Only \$475C		175 PW134-MRB 60B 1/4 BARflex 1/4" \$1,742C

Hose Reel - Truck Kit

Features:

- 1 x 60 metre high pressure reel
- 1 x 20 metre low pressure reel
- 60 metres of 1/4" Jetter Hose
- 15 metres of 3/4" Inlet hose

Many options available



Part #	Hose Capacity (3/8" Hose)	List
175 1065	High Pressure Hose Reel, 60 Metres (takes 60 metres of 3/8" hose)	\$poa
175 1041	Low Pressure Hose Reel, 65 Metres (takes 45m of 5/8" or 30m 3/4")	\$poa
125 90.375.100	Low Pressure 3/4" Hose - 30 metres Blue	\$poa
165 BARflex 60m	Jetter Hose 1/4" Hose - 60 metres Barflex	\$poa
165 Reel Truck Kit	All of above	\$poa

Hose Reel & Trolley Kit

Remote trolley where longer, heavier hose is needed. Complete with black 2 wheel trolley, hose reel with capacity to 120 metres of 1/4" hose and integrated shut off valve. **Ball Valve Kit included**, for by pass at the Trolley



Part #	Description	List
125 85.402.001D	Reel with Trolley (holds 50m of 1/4" Jetter hose)	\$poa
125 85.402.002D	Reel with Trolley (holds 100m of 1/4" Jetter hose)	\$poa
175 1065-SS 100S	Above with Foot Valve, SS Trolley & Rapid Reel	\$poa
125 85.300.044	Replacement Ball Valve Kit	\$poa

Inspection Camera

CAMace Pipeline Inspection Camera System

USA manufactured system for the price conscious, without recording and self levelling camera

- Rugged stainless steel housed 1.68" dia. colour camera for inspecting 3" to 10" lines.
- (note: Straight view, not self levelling)
- Sapphire lens with 20 LED light ring and high resolution CCD element.
- Flexible camera spring designed to navigate 3" P-traps.
- Auto iris adjusts lighting automatically.
- Impact-resistant polycarbonate light ring cover.
- Industry standard 512HZ sonde.
- 5.4" LCD monitor with AR film for optimal viewing in sunlight
- monitor encased in an anodized aluminium housing mounted to the reel.
- Protective acrylic, anti-glare monitor shield.
- Video output jack for recording option.
- Rugged and portable powder-coated steel frame.
- Standard with 200 ft. of Kevlar braided 1/2" diameter push rod.
- Secure-locking reel brake.
- Heavy-duty screen cover closes to protect the monitor when in transit or storage, flips up as a sun shield and can be retrofitted to existing units.



Ace Monitor



BORN
IN THE
USA.

Link on how to use the CAM ace system:

http://www.electriceel.com/ecam_ace-ace2_instructionalvideo.htm

Part #	Model	Description	View	Sonde	Counter	Recording	Battery Pack	List
EC-30101	ACE1	Complete Inspection System	Straight	Yes	No	No	Optional	\$8,248 A
10145	ACE1	Add Footage Counter to ACE 1						\$poa A
EC-30102	ACE2	Complete Inspection System	Self Levelling	Yes	Yes	Yes	Optional	\$poa A

Camera Sonde Locator

The locator has the following Frequencies:

offers 512Hz, 640Hz, 8kHz & 33kHz in Sonde mode and offers user selection of any of the following line locate frequencies: Passive 50Hz & 60Hz, Passive RF, 512Hz, 640Hz, 8kHz, 9kHz, 33kHz, 65kHz, 82kHz, 200kHz, 478kHz

This covers RUCOMmost applications for locating.

Features:

- RYCOM 8873 Receiver
- Multi frequency camera/sonde locator
- Depth indicator on camera/sonde and line trace
- Made in USA

Part # 10130 \$poa



Magnum DVR Camera



part #30106

Key Features

Record Directly to a USB Stick



For complete set, order:
1 x Camera, 1 x Patch Cable, 1 x Reel
Note: 1.23" & 1.68" equipment is not interchangeable

- Audio and Video Out Jacks
- 10.4" Daylight Readable Monitor
- Click Touch Controls
- 8 x Zoom
- Record To USB Drive
- One Touch Recording and Pause Key
- MPEG Format
- 16 Pages of Text Writing With Memory Saves
- On Screen Footage Counter
- Adjustable Lighting Controls
- Voice Over Recording (Built In)
- Rename Files On Stick After Recorded
- 512 Hz Sonde
- 2 Hour Battery With Built In Charger (12 Volt)
- Works With Most Hathorn Reels
- Can Be Mounted On Push Reel

Part #	Description	List
30106	Magnum DVR Controller - Standard	\$5,031 A
30107	Camera - Magnum DVR Controller Waterproof	\$6,131 A
10100	Patch Cable for connection to Reel	\$431 A

Push Reel



200ft Large Reel
Part # 50100



200ft Standard Reel
Part # 70101



125ft Mini Reel
Part # 60103



- 1/2" Kevlar Braided Push Rod
- Self Levelling Camera Head (1.68")
- Control Stand

Part #	Description	List
50100	Reel - Large 200ft (1/2" Rod / 1.68" camera)	\$7,969 A
70101	Reel - Std 200ft (1/2" Rod / 1.68" camera)	\$7,133 A
70105.400	Reel - Std 200ft (1/2" Rod / 1.23" camera)	\$7,133 A
Parts & Accessories:		
80112	Self Levelling Camera Head 1.68" (Stainless)	\$3,188 A
80115	P Trap Skid for 80112	\$113 A
80116	3" Grooved Skid for 80112	\$240 A
80113	Self Levelling Camera Head 1.23" (Stainless)	\$2,352 A
80117	Mini Skid for 80113	\$112 A
nb: 1.23" camera can only be fitted to 3/8" rod		
10105	Bracket to mount DVR to reel	\$438 A

Cleaning Hoses 1/8", 1/4" & 3/8"



Hose Construction:

Inner Tube: Thermoplastic polyester elastomer (cream colour)
Reinforcement: Bonded polyester braid
Cover: Tuff Skin polyurethane that is weather, ozone & abrasion resistant

Main Applications:

All types of medium and high pressure jetting applications

Temperature Range: -40°C / +57°C

2:1 Burst to Operating Pressure

Ended standard male & female swivel Bsp single piece ends

Not for use with trigger gun on pressure washers

Part Number	Meters	List
3/16" 5000 Psi Red Jetter		
165 BARflex03R 20m	20	\$261
165 BARflex03R 30m	30	\$343
165 BARflex03R 60m	60	\$662 C
165 BARflex03R 457m Roll*	457	\$4022
1/4" 5000 Psi Red Jetter		
165 BARflex04R 10m	10	\$261
165 BARflex04R 20m	20	\$293
165 BARflex04R 30m	30	\$407
165 BARflex04R 40m	40	\$521
165 BARflex04R 50m	50	\$617
165 BARflex04R 60m	60	\$788 C
165 BARflex04R 80m	80	\$937
165 BARflex04R 120m	120	\$1363
165 BARflex04R 304m Roll	304	\$3010
3/8" 5000 Psi Red Jetter		
165 BARflex06R 10m	10	\$242
165 BARflex06R 15m	15	\$318
165 BARflex06R 20m	20	\$397
165 BARflex06R 30m	30	\$516
165 BARflex06R 40m	40	\$659
165 BARflex06R 50m	50	\$824
165 BARflex06R 60m	60	\$1,089 C
165 BARflex06R 100m	100	\$1539
165 BARflex06R 120m	120	\$1759
165 BARflex06R 365m Roll	365	\$5220
1/8" 5000 Psi Red Jetter		
165 BARflex02R 10m	10	\$145
165 BARflex02R 15m	15	\$208
165 BARflex02R 20m	20	\$219
165 BARflex02R 60m	60	\$358
165 BARflex02R 457m Roll*	457	\$2714
* each roll has 3 cuts / no ends		

Specifically designed as a jetter hose, with

Jetter Pit Guide



165 JPG \$1078

Hose Swages

See over page for swages



Micro Sewer & Pipe Cleaning

Compact Sewer Cleaning Hose (+ Nozzle & 1/8" male ends)
9mm diameter at widest point
Size 035, 1 Forward/3 Back Nozzle & 1/8" Black Hose
Rated to 7250 Psi & 60°C



Part #	Description	List
148 495 334 002 0	2 Metre Hose & 035 Nozzle	\$144 C
148 495 334 008 0	8 Metre Hose & 035 Nozzle	\$224 C
148 495 334 015 5	15.5 Metre Hose & 035 Nzl	\$284 C

1/2" 3/4" 1"

Cleaning Hoses 1/2", 3/4" & 1"



Part Number	Feet	Meters	Ends	List
1/2" 4000 Psi Green Jetter				
165 BARflex08G 30m MF	100	30	1/2" M x 1/2" F Sw.	\$675
165 BARflex08G 60m MF	200	60	1/2" M x 1/2" F Sw.	\$1,429
165 BARflex08G 90m MF	300	90	1/2" M x 1/2" F Sw.	\$poa
165 BARflex08G 120m MM	400	120	1/2" M x 1/2" M Sw.	\$2,704
165 BARflex08G 150m MM	500	150	1/2" M x 1/2" M Sw.	\$poa
3/4" 2500 Psi Orange Jetter				
165 BARflex12O 36m MF	116	36	3/4" M x 3/4" F	\$927
165 BARflex12O 108m MM	350	108	3/4" M x 3/4" M	\$2,824
165 BARflex12O 120m MM	400	120	3/4" M x 3/4" M	\$3,226
165 BARflex12O 180m MM	600	180	3/4" M x 3/4" M	\$4,839
3/4" 3000 Psi Blue Jetter				
165 BARflex12B 150m MM	500	150	3/4" M x 3/4" M	\$poa
165 BARflex12B 180m MM	600	180	3/4" M x 3/4" M	\$poa
1" 2500 Psi Orange Jetter				
165 BARflex16O 40m MF	125	40	1" M x 1" F	\$1,099
165 BARflex16O 108m MM	350	108	1" M x 1" M	\$3,281
165 BARflex16O 150m MM	500	150	1" M x 1" M	\$4,689
165 BARflex16O 180m MM	600	180	1" M x 1" M	\$5,609
1" 3000 Psi Blue Jetter				
165 BARflex16B 150m MM	500	150	1" M x 1" M	\$poa
165 BARflex16B 180m MM	600	180	1" M x 1" M	\$poa
Leader Hose - Black				
165 BARleader08 3m MF	10	3	1/2" M x 1/2" F	\$105
165 BARleader12 3m MF	10	3	3/4" M x 3/4" F	\$173
165 BARleader16 3m MF	10	3	1" M x 1" F	\$281

Hose Construction:

Inner Tube: Thermoplastic polyester tube
 Reinforcement: One or two layers of high tenacity polyester textile braid that is chemically bonded-
 Cover: Thermoplastic polyurethane that is oil, weather, ozone, and abrasion resistant

New - High Abrasion Cover

Main Applications:

All types of medium and high pressure jetting applications

Temperature Range:

-40°F / +160°F
 -40°C / +70°C

Not for use with trigger gun on pressure washers

For use on jetters with operating pressures as stated for each hose

Optimum Flexibility And Light Weight

2.5:1 Burst to Operating Pressure



Black leader hose









HOSE SAVER



175 1115 \$54 C
 Hose Saver guides
 your hose around
 rugged corners

DESCRIPTION	HOSE SERIES	FITTING SERIES	CRIMPER
SAE 100R7	4700	RT	CC30

HOSE	FITTING	DIE	CRIMP DIAMETER	CRIMP LENGTH	GAUGE SETTING	SKIVE LENGTH
4700-02	RT	8 mm	9.017 mm / 0.355 in	10.998 mm / 0.433 in	1	NO SKIVE
4700-03	RT	12 mm	12.000 mm / 0.472 in	22.600 mm / 0.890 in	0.45	NO SKIVE
4700-04	RT	14 mm	14.350 mm / 0.565 in	27.991 mm / 1.102 in	0.35	NO SKIVE
4700-05	RT	16 mm	16.330 mm / 0.643 in	27.950 mm / 1.100 in	0.33	NO SKIVE
4700-06	RT	17 mm	17.370 mm / 0.684 in	31.360 mm / 1.235 in	0	NO SKIVE
4700-08	RT	21 mm	21.970 mm / 0.865 in	36.322 mm / 1.430 in	0.97	NO SKIVE
4700-12	RT	26 mm	27.800 mm / 1.094 in	40.640 mm / 1.600 in	1.8	NO SKIVE

Small Lines 2" - 6"	WV-1/4"		<p>2" - 4" Lines for cart & jetter trailers. New, high speed rotation technology for small lines with light to moderate blockages.</p> <p>Dimensions: Length 2" Diameter 1.3" - Inlet 1/4" Bsp Flows: 11-30 lpm Pressure: 5000 Psi</p> <p>165 Warthog WV 1/4A to 5000Psi \$835 B Flow 26-30 l/min 165 Warthog WV 1/4B to 5000Psi \$835 B Flow 18-23 l/min 165 Warthog WV 1/4C to 5000Psi \$835 B Flow 15-17 l/min 165 Warthog WV 1/4D to 5000Psi \$835 B Flow 11-13 l/min</p>	<p>WV REPAIR TOOL 165 Warthog WV181 \$204</p> <p>Hex shaped tool with two protrusions that lock into the body and allow disassembly of the tool, including the head.</p>
	WU-3/8" WU-1/2"		<p>3" - 6" Lines for trailer Jetters. Two models with new, high speed rotation technology. 3/8" & 1/2" inlet options</p> <p>165 Warthog WU 3/8 \$1,209 B Model deleted 165 Warthog WU 1/2 \$1,209 B Model deleted</p>	
	WT-3/8"-C		<p>3" - 6" Lines for trailer Jetters. Now standard with carbide buttons for longer head life</p> <p>Dimensions: Length 3" Diameter 1.9" - Inlet 3/8" Flows: 20-45 lpm</p> <p>165 Warthog WT 3/8 Nozzle \$1,429 B 165 Warthog WT600 Service Kit \$245 B (Oil, Syringe & o ring) 165 Warthog WT610 Overhaul Kit \$216 B (Complete Overhaul Kit) 165 Warthog WT602 Seal Kit \$poa B (Brass seat, O Ring & wave spring) 165 Warthog WT612 Tool Kit \$poa B (Retaining pliers & Tool)</p>	
**Do not use WT 3/8" in lines greater than 6"				
Medium Lines 4" - 18"	WS-1/2		<p>4" - 8" Lines for trailer Jetters. Sold with 2ft whip hose standard. Also jointed and rigid models, plus inlet options</p> <p>Dimensions: Length 4.4" Diameter 1.7" - Inlet 1/2" Flows: 25-75 lpm</p> <p>165 Warthog WS 1/2 \$2,199 C</p>	
	WH-1/2 WH-3/4		<p>6" - 18" Lines. A real workhorse with option of either 1/2" and 3/4" inlet.</p> <p>Dimensions: Length 7.5" Diameter 3.1" - Inlet 1/2" or 3/4" Flows: 40-170 lpm</p> <p>165 Warthog WH 1/2 \$2,155 B 165 Warthog WH 3/4 \$2,155 B 165 Warthog WH600 Service Kit \$267 B 165 Warthog WH610 Overhaul Kit \$267 B</p>	
Large Lines 8" - 36"	WG-1 WGP-1		<p>8" - 36" Lines. WG-1 Classic and the new Maximum puller WGP-1 Designed for more pulling power</p> <p>Dimensions: Length 9.1" Diameter 4.2" - Inlet 1" Flows: 190-300 lpm</p>	
	WD1-1/4"		<p>8" - 36" Lines for Municipal Jetters. A high flow model up to 450 l/min.</p> <p>Dimensions: Length 9.1" Diameter 4.2" - Inlet 1 1/4" Flows: 300-450 lpm</p>	

Drain Cleaning BAR Nozzles



Budget
Box "A"

MNBKA
\$758 C



Part # - RR8TC-055 \$387 Root Ranger Complete
Designed to penetrate obstructions with its pointed nose cone driven by a Turbo Nozzle for maximum thrust and cut.
Standard size jetted to 055

Part # - P3R1FC \$245 Predator Penetrator Complete
with 1 front and 3 large rear jets, the Penetrator is designed to punch through the obstruction with little resistance, allowing the rear jets to attack the blockage quickly

Part # - N6RC \$243 Negotiator Thruster Complete
with 6 rear thrusting jets, this nozzle is designed to negotiate its way through tight bends and traps with its rounded head

Part # - C3R1F(+Adap) \$131 Compressor Penetrator
with 3 large rear and 1 forward jet, this nozzle is used for tight access drains and whip hoses. Fitted with 1/8" to 1/4" adaptor for fitting to standard hoses

Part # - QR8BR2 \$56 Brass quick Release
Convert standard hose with 1/4" male end to quick release

Part # - TC \$28 Tip Cleaner with Capsule
Spanner to remove quick connect plug from nozzles

Full
Box "D"

MNBKD
\$1,299C



Includes all in the above box, plus:



Part # - RR6R1FC \$242 Root Rat Complete
Popular universal nozzle that penetrates deep into the root choke, with 1 front, 3 rear behind nose at 45° and 3 rear at 30° jets.



Part # - C3R1FC \$211 Compressor Penetrator Comp
With 3 large rear and 1 forward jet, this nozzle is used for tight access drains and whip hoses.



Part # - B6R1FC \$245 Bullet Invader Complete
With 6 large rear and 1 forward jet, this nozzle is used for tight root blockages



Part # - N3R1F \$68 C Negotiator Penetrator
With 3 large rear and 1 forward jet, this nozzle is designed to negotiate its way through tight bends



Part # - QR8SS-A \$69 C Stainless Quick Release
Part # - QR8BR2 Brass quick Release
Convert standard hose with 1/4" male end to quick release



Part # - 3 x HR6S Hose Tail Swage - Short
For repairing 3/16" Hose



RR8TCB
c/w new stainless rear turbo



P3R1FC



NR6C



C3R1F



QR8SS-A
stainless



HR4S & HR6S
for 1/4" & 3/16"

Root Ranger - Standard

The **Root Ranger** is designed to penetrate obstructions with its pointed nose cone driven by one ceramic thrust port for maximum thrust and cut.

Pressure Bend		Turbo		Root Ranger Complete					
									
Connect the Pressure bend to the correct Turbo for your machine		Select the correct Turbine for your machines performance.		Root cutting turbo with removable front plug & quick connect adaptor					
Part #	List	Part #	Psi	Size	List	Part #	Psi	Size	List
165 SS8TM	\$232 C	155 0204007370	5000	055	\$138	RR8TC - 035	5000	035	\$387
Replacement Parts:		(many size options available)							
165 HT8MSF-A QC Plug	\$21					RR8TC - 040	5000	040	\$387
165 1/4 Inch Nipple	\$15					RR8TC - 045	5000	045	\$387
165 MJ6 Front Jet	\$52					RR8TC - 050	5000	050	\$387
					(rated to 5000Psi when used with 50m line)	RR8TC - 055	5000	055	\$387

Standard Nozzle 3/8"

Inlet: 3/8" BSP F

			
To 5000Psi		To 5000Psi	
Fixed: 0 Forward 3 Back		Fixed: 1 Forward 3 Back	
030			
040	155 0124722080	155 0124722280	148 200 049 860
045	155 0124722090	155 0124722290	155 0124722610
050			148 200 049 880
055	155 0124722100	155 0124722300	155 0124722620
060			148 200 049 890
065	155 0124722110	155 0124722310	
070	148 651 84		
080		148 651 86	
100		148 651 85	
List	\$44 C	\$48 C	\$98 C

Premium Nozzle 3/8"

Inlet: 3/8" BSP F

			
To 5000Psi SS		To 5000Psi SS	
Fixed: 0 Forward 3 Back		Fixed: 1 Forward 3 Back	
030	145 25.1223.30	145 25.1224.30	
040	145 25.1223.40	145 25.1224.40	
045			
050	145 25.1223.50	145 25.1224.50	
055			
060	145 25.1223.60	145 25.1224.60	145 25.1295.60
065			
070	145 25.1223.70	145 25.1224.70	145 25.1295.70
080	145 25.1223.80	145 25.1224.80	145 25.1295.80
090			145 25.1295.90
100			145 25.1295.10
110			145 25.1295.11
List	\$32 C	\$32 C	\$77 C

Budget Nozzle 1/4"			Standard Nozzle 1/4"			Premium Nozzle 1/4"		
Inlet: 1/4" BSP F								
								
To 5000Psi	To 5000Psi	To 3650Psi	To 5000Psi	To 5000Psi	To 3650Psi	To 5000Psi	To 5000Psi	To 3650Psi
Fixed: 0 Forward 3 Back	Fixed: 1 Forward 3 Back	Rotating: 3 Back	Fixed: 0 Forward 3 Back	Fixed: 1 Forward 3 Back	Rotating: 3 Back	Fixed: 0 Forward 3 Back	Fixed: 1 Forward 3 Back	Rotating: 3 Back
			651 03					
			651 05			145 25.1213.30	145 25.1214.30	145 25.1290.30
040	155 0124722040	155 0124722240	155 0124722560	651 04	651 14	145 25.1213.40	145 25.1214.40	145 25.1290.40
045	155 0124722050	155 0124722250	155 0124722570	651 00				
050				651 08	651 13	200 049 800	145 25.1213.50	145 25.1214.50
055	155 0124722060	155 0124722260	155 0124722580	651 16	651 15			145 25.1290.50
060						145 25.1213.60	145 25.1214.60	145 25.1290.60
065	155 0124722070	155 0124722270	155 0124722590	651 10				
070					651 20	145 25.1213.70	145 25.1214.70	145 25.1290.70
080				651 40	651 25	651 61	145 25.1213.80	145 25.1214.80
110					651 46 (1+5)			145 25.1290.80
120				651 48 8 rear		651 62		
List	\$26 C	\$28 C	\$62 C	\$28 C	\$30 C	\$142 C	\$29 C	\$32 C
							\$77 C	


Root Rat			
Root Rat: Popular universal penetrator with 1 front, 3 rear behind nose at 45° and 3 rear behind nose at 30°			
Inlet: 1/4" BSP F on nozzle & QC on complete			
Part #	Rear Jets	Forward Jets	List
Nozzle Only:			
RR6R1F	3+ 3 Rear	1 Forward	\$180
Complete:			
RR6R1FC	3 + 3 Rear	1 Forward	\$242



Beaver			
Beaver: with 2 front jets to assist forward penetration with 6 rear jets			
Inlet: 1/4" BSP F on nozzle & QC on complete			
Part #	Rear Jets	Forward Jets	List
Nozzle Only:			
BV6R2F	6 Rear	2 Forward	\$178
Complete:			
BV6R2FC	6 Rear	2 Forward	\$240



Negotiator						
NEGOTIATOR ECONOMY	NEGOTIATOR	NEGOTIATOR COMPLETE	PREDATOR ECONOMY	PREDATOR	PREDATOR COMPLETE	
						
Negotiator: Designed to negotiate its way through tight bends and traps with it's rounded head Inlet: 1/4" BSP F on nozzle & QC on complete Material: 431 SS						
6 Rear 1 Forward		165 N6R1F \$172	165 N6R1FC 6	\$231		
3 Rear 1 Forward	165 ECNEG \$poa	165 N3R1F \$68 C	165 N3R1FC	\$268		
3 Rear 1 Forward		165 N3R1F-A \$131	165 N3R1FC -A	\$230		
6 Rear		165 N6R \$168	165 N6RC	\$243		
Predator: Designed to punch through obstructions with little resistance, allowing the rear jets to attack the blockage quickly. Inlet: 1/4" BSP F on nozzle & QC on complete Material: 431SS						
		165 P6R1F \$186	165 P6R1FC	\$245		
		165 P3R1F \$69 C	165 P3R1FC	\$244		
		165 P3R1F-A \$131	165 P3R1FC-A	\$200		
165 ECPRED \$poa	165 P6R \$190		165 P6RC	\$255		

Standard Nozzle 1/4" M		
Inlet: 1/4" BSP M		
To 1750Psi	To 3650Psi	
Fixed: 0 Forward 3 Back	Fixed: 1 Forward 3 Back	
035	145 25.1216.31	
040		145 25.1201.51
List	\$12 C	\$37 C

Bandit			
Bandit: Slim, extreme penetrating thruster			
Inlet: 1/4" BSP F on nozzle & QC on complete			
Part #	Rear Jets	Forward Jets	List
Nozzle Only:			
BT6R1F	6 Rear	1 Forward	\$197
Complete:			
BT6R1FC	6 Rear	1 Forward	\$271

