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Nozzles



Established 88

Proud Partner Of: enz®

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Pipe Cleaning Nozzles



- **Features**:
  - Front jet
  - Very short length
  - Very easy with bends
  - With ceramic inserts
  - Hardened
  - Wear resistant
  - Long service life
- **Scope of use:**
  - To open clogged pipes
  - Appropriate for removal of sludge deposits.
- **Pipe diameters:**
  - 40-150 mm / 2-6”
- **Specifications:**
  - Max. pressure: 350 bar / 5000 psi
  - Min. flow rate: 18l/min / 5 GPM
  - Connecting thread: ⅜’ (NPT)
  - Dimensions: 25 x 40 mm / 0.9 x 1.5 inch

enz® Scraper - Bulldozer



- **Features**:
  - Flexible stabilizing bracket to prevent rotating/ tipping.
  - Excellent flushing capacity. Flushing capacity with a focus on the bottom of pipe.
  - Front jet for blockages.
  - Adjustable skids.
  - Weight increase optional.
- **Area of application:**
  - Large pipe diameters.
  - Large amounts of debris.
  - Low and compact construction.
- **Pipe diameters:**
  - 500-1500 mm/ 20-59 inch
- **Specifications:**
  - Max. pressure: 250 bar / 4000 psi
  - Min. flow rate: 150l/min / 40 GPM
  - Connecting thread: 1’ BSPP, 1 NPT
  - Weight: 28.6 Kg/ 63 lb

Drainage Channel Nozzles



- **Features**:
  - No spray out above channels.
  - Area around channel stays clean.
  - Optimal flushing performance.
  - Nozzle works everywhere.
- **Scope of use:**
  - Cleaning of water drain channels.
  - Flushing of debris, stones, gravel, etc.
- **Pipe diameters:**
  - 9.5-610 mm / ⅜-24”
- **Specifications:**
  - Max. pressure: 250 bar / 3600 psi
  - Min. flow rate: 50-250 l/min / 13-65 GPM
  - Connecting thread: ½’-1¼”
  - Dimensions: Varies

360° Grenade Bombs



- **Features**:
  - New with 12 & 18 inserts
  - Improved cleaning power.
  - With spot and flat jet.
  - Jet angles 10° and 45°.
  - Recyclable water.
- **Scope of use:**
  - Cleaning and transporting loose material e.g. gravel, debris, stones etc.
  - 360° cleaning without rotation.
- **Pipe diameters:**
  - 9.5-610 mm / ⅜-24”
- **Specifications:**
  - Max. pressure: 250 bar / 3600 psi
  - Min. flow rate: 200 l/min / 50 GPM
  - Connecting thread: 1”-1¼”
  - Dimensions: Varies

SC350 Surface Cleaner



- **Features**:
  - 2 or 4 Water jets.
  - Constant rotational speed.

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- Low leakage.
- Powerful cleaning jets.
- Light weight.

- **Scope of use:**
  - Cleaning of different surfaces.
  - Removing of paints and coatings.
  - Roughing of surfaces.
  - Removal of hard surfaces.

- **Specifications:**
  - Min. pressure: 100 bar / 1500 psi
  - Max. pressure: 350 bar / 5000 psi.
  - Min. flow rate: 6 l/min / 1.6 GPM
  - Max flow rate: 135 l/min / 36 gpm
  - Connecting thread: ⅜" (NPT)

SC350 Surface Cleaner



- **Features**:
  - 2 or 4 Water jets.
  - Constant rotational speed.
  - Low leakage.
  - Powerful cleaning jets.

- **Scope of use:**
  - Cleaning of different surfaces.
  - Removing of paints and coatings.
  - Roughing of surfaces.
  - Removal of hard surfaces.

- **Specifications:**
  - Min. pressure: 350 bar / 5000 psi
  - Max. pressure: 1500 bar / 22000 psi.
  - Min. flow rate: 21 l/min / 5.5 GPM
  - Max flow rate: 100 l/min / 26.4 gpm
  - Connecting thread: ⅜" BSPP, M26 x 1.5, ⅜" NPT, 9/16" UNF LH
  - Weight: 0.78 Kg

MJ surface cleaners



- **Features**:
  - 7200-36000 psi.
  - All common threaqds
  - Easy maintenance.
  - Huge cleaning power.
  - Orbital rotating jet.

- **Scope of use:**
  - Roughening surfaces.
  - Removal of surface coating and concrete.
  - Filters.
  - Machinery.
  - Pipes.
  - Floors.

- **Specifications:**
  - Max. pressure: 2500 bar / 36000 psi
  - Flow rate: 4 l/min / 1 GPM

KS 200R/ 300R/ 200RS Wire Rope & Chain Scraper



- **Features**:
  - Application from 7.8-19.6 inch.
  - Skids with increments every 1 inch.
  - Simplified pull apart.
  - Harder chain plates.
  - Multi-stage cutting concept.
  - Extremely stable cage.
  - For recyclable water.
  - Massive amount of torque.

- **Scope of use:**
  - Ideal for removing entire roots, incrustations, other deposits and concrete residues.
  - Used to prepare for restoration work, such as relining, grouting or applying coatings.

- **Pipe diameters:**
  - 200-500 mm / 7.8"-19.6"

- **Specifications:**
  - Max. pressure: 200 bar / 2900 psi
  - Flow rate: 200 l/min / 52 GPM
  - Dimensions: 182 x 490 x 560 mm / 7.2" x 19.2" x 22"
  - Connecting thread: 1" NPT

Turbo-Jet Recycling Chain Scraper



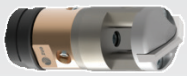
- **Features**:
  - Any water, fresh or recycled.
  - Maintenance free.
  - Selection of chains and tap cutter.
  - Converts with adapter to heavy duty milling tool.

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- **Scope of use:**
  - Powerful root remover.
  - Removes grease, solid and semi-solid sediments, mineral deposits, concrete, grout wash.
  - Low rotation speed with high torque.
- **Pipe diameters:**
  - 50-205 mm / 2”-8”
- **Specifications:**
  - Max. pressure: 350 bar / 5075 psi
  - Flow rate: 30 l/min / 8 GPM
  - Dimensions: 40 x 135 mm / 1.6” x 5.3”
  - Connecting thread: ⅜”-¾”

MC28 - Cutter



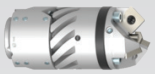
- **Features**:
  - Smallest cutter (28 mm/ 1.1 in)
  - Hard metal head.
  - Can be converted into a chain scraper.
  - Easy maintenance.
- **Scope of use:**
  - Removes hard deposits in plastic, steel and concrete pipes.
- **Pipe diameters:**
  - 30 mm / 1.2 in
- **Specifications:**
  - Max. pressure: 350 bar / 5076 psi
  - Flow rate: 20 l/min / 5 GPM
  - Connecting thread: ¼” (NPT)
  - Dimensions: 28 x 81 mm/ 1.1 x 3.1 in

MC40 - Cutter



- **Features**:
  - Protective ring allows work in plastic pipes..
  - Runs with recycled water.
  - Can be converted into a chain scraper.
  - Easy maintenance.
- **Scope of use:**
  - Removes hard deposits in plastic, steel and concrete pipes.
- **Pipe diameters:**
  - 42-60 mm / 1.65-2.36 in
- **Specifications:**
  - Max. pressure: 250 bar / 3625 psi
  - Flow rate: 30 l/min / 7.9 GPM
  - Connecting thread: ½”
  - Dimensions: 40 x 108 mm / 1.5 x 4.2 in

MC60 - Cutter



- **Features**:
  - Protective ring allows work in plastic pipes.
  - Runs with recycled water.
  - Can be converted into a chain scraper.
  - Easy maintenance.
- **Scope of use:**
  - Removes hard deposits in plastic, steel and concrete pipes.
- **Pipe diameters:**
  - 62-80 mm / 2.4-3.1 in
- **Specifications:**
  - Max. pressure: 250 bar / 3625 psi
  - Flow rate: 50 l/min / 13.2 GPM
  - Connecting thread: 1”
  - Dimensions: 60 x 130 mm/ 2.3 x 5.1 in

UC Nozzles

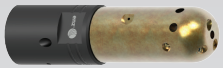


- **Features**:
  - Suitable for automated bundle cleaning system.
  - With or without thrust.
  - Huge cleaning power.
  - Long lifetime.
  - Low leakage.
  - 5 different nozzles: min: 9.5 mm, max: 28 mm.
- **Scope of use:**
  - Open blockages, polish and clean universally.
  - Cleaning heat exchangers.
- **Pipe diameters:**
  - 10-42 mm / 0.4-2.2 in
- **Specifications:**
  - Max. pressure: 1500 bar / 22000 psi
  - Flow rate: 15 l/min / 4 GPM
  - Connecting thread: BSPP, NPT, UNF

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UC09 Nozzles



- **Features**:
  - Suitable for automated bundle cleaning system.
  - With or without thrust.
  - Huge cleaning power.
  - Long lifetime.
  - Low leakage.
  - Nozzle diameter: 0.37 in/ 9.5 mm
- **Scope of use:**
  - Open blockages, polish and clean universally.
  - Cleaning heat exchangers.
- **Pipe diameters:**
  - 10-42 mm / 0.47-0.70 in
- **Specifications:**
  - Max. pressure: 1500 bar / 22000 psi
  - Flow rate: 18 l/min / 4.75 GPM
  - Connecting thread: BSPP, NPT, UNF

UC13 Nozzles



- **Features**:
  - Suitable for automated bundle cleaning system.
  - With or without thrust.
  - Huge cleaning power.
  - Long lifetime.
  - Low leakage.
  - Nozzle diameter: 0.51 in/ 13 mm
- **Scope of use:**
  - Open blockages, polish and clean universally.
  - Cleaning heat exchangers.
- **Pipe diameters:**
  - 16-20 mm / 0.62-0.78 in
- **Specifications:**
  - Max. pressure: 1500 bar / 22000 psi
  - Flow rate: 18 l/min / 4.75 GPM
  - Connecting thread: BSPP, NPT, UNF

UC28 Nozzles



- **Features**:
  - Suitable for automated bundle cleaning system.
  - With or without thrust.
  - Huge cleaning power.
  - Long lifetime.
  - Low leakage.
  - Nozzle diameter: 1.1 in/ 28 mm
- **Scope of use:**
  - Open blockages, polish and clean universally.
  - Cleaning heat exchangers.
- **Pipe diameters:**
  - 30-42 mm / 1.18-1.65 in
- **Specifications:**
  - Max. pressure: 1500 bar / 22000 psi
  - Flow rate: 30 l/min / 7.92 GPM
  - Connecting thread: BSPP, NPT, UNF

URX Polishing Nozzles



- **Features**:
  - Very good to polish.
  - Strongest water jet.
  - Long durability.
  - Low leakage.
  - Constant rotation.
- **Scope of use:**
  - Internal cleaning tubes.
  - Polish for inspection or clean universally.
  - Industrial cleaning for:
    - Petrochemical
    - Refinery
    - Steelworks
    - Nuclear power plants
- **Pipe diameters:**
  - 19 x 80 mm / 0.7 x 3.1 in
- **Specifications:**
  - Max. pressure: 2500 bar / 36000 psi
  - Flow rate: 28 l/min / 7 GPM
  - Connecting thread: UNF $^{9}/_{16}$ LH, M14 x 1.5 LH

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Bulldog® 37 UHP



- **Features**:
  - All in one nozzle: unplugger, polisher, universal.
  - Impressive cleaning power.
  - Low maintenance.
  - Best in class flow straightener.
- **Scope of use:**
  - Industrial cleaning.
  - Steel pipes.
  - Heat exchangers.
- **Pipe diameters:**
  - 40-100 mm / 1.5-4 in
- **Specifications:**
  - Max. pressure: 1000 bar / 14500 psi
  - Flow rate: 25 l/min / 7 GPM
  - Connecting thread: M24 x 1.5 /½" NPT

Bulldog® 60 UHP



- **Features**:
  - All in one nozzle: unplugger, polisher, universal.
  - Impressive cleaning power.
  - Low maintenance.
  - Best in class flow straightener.
- **Scope of use:**
  - Industrial cleaning.
  - Steel pipes.
  - Heat exchangers.
- **Pipe diameters:**
  - 65-150 mm / 2.5-6 in
- **Specifications:**
  - Max. pressure: 1000 bar / 14500 psi
  - Flow rate: 40 l/min / 10 GPM
  - Connecting thread: M24 x 1.5 /½" NPT

Adjustable Cage for Bulldog® 60



- **Features**:
  - For standard Bulldog® 60 and UHP with special head.
  - Nozzle centered in the pipe.
  - Water jets come directly to the pipe wall.
  - Optional thrust at the back of the cage.
- **Scope of use:**
  - Industrial cleaning.
  - Steel pipes.
- **Pipe diameters:**
  - 300-1000 mm / 12-40 in
- **Specifications:**
  - Max. pressure: 1000 bar / 14500 psi
  - Flow rate: 40 l/min / 10 GPM
  - Connecting thread: ¾" / M24 x 1.5

Bulldog® Low Flow



- **Features**:
  - Strong performance despite low water consumption (24 l/min/ 6 GPM)
  - Low upkeep and virtually maintenance free.
  - For recycled and fresh water.
  - Easy with bends.
- **Scope of use:**
  - Excellent for removing roots.
  - Removing grease and harder incrustations.
- **Pipe diameters:**
  - 40-150 mm / 1.6-5.9 in
- **Specifications:**
  - Max. pressure: 350 bar / 5000 psi
  - Flow rate: 24 l/min / 6 GPM
  - Connecting thread: ¼" NPT, ⅜" NPT, ½"
  - Dimensions: 37 x 85 mm / 1.5 x 3.5 in

Bulldog® 37 - ¾"



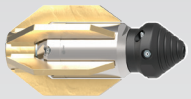
- **Features**:
  - More flow.
  - ¾" with thrust.
  - Virtually maintenance free.
  - Magnetic brake system.
  - With cage.
- **Scope of use:**
  - Removal of grease and hard deposits.
  - For use with recycled water and fresh water.
- **Pipe diameters:**
  - 40-200 mm / 1.5-7.8 in

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- **Specifications:**
  - Max. pressure: 200 bar / 2900 psi
  - Flow rate: 60 l/min / 15.8 GPM
  - Connecting thread: ¼" NPT, ⅜" NPT, ½"
  - Dimensions: 37 x 89 mm / 1.4 x 3.5 in

Bulldog® Antiblast Rotating Nozzle



- **Features**:
  - No blow out of toilets.
  - Highest cleaning performance.
  - Constant rotation.
- **Scope of use:**
  - Urban areas.
  - Ø 6-24 inch
  - Cleaning for inspections.
- **Pipe diameters:**
  - 152-610 mm / 6-24 in
- **Specifications:**
  - Max. pressure: 80 bar / 1160 psi
  - Flow rate: 177-200 l/min / 47-53 GPM
  - Connecting thread: 1"-1¼"
  - Dimensions: 102 x 203 mm, 127 x 254 mm / 4 x 8 in, 5 x 10 in

KBR Head for Bulldog® 37



- **Features**:
  - Easy handling.
  - Virtually maintenance free.
  - Magnetic brake system.
  - Low wear with controlled speed.
- **Scope of use:**
  - Removal of grease and hard deposits.
  - For use with recycled water and fresh water.
- **Pipe diameters:**
  - 40-200 mm / 1.6-7.9 in
- **Specifications:**
  - Max. pressure: 200 bar / 2900 psi
  - Flow rate: 40-60 l/min / 11-16 GPM
  - Connecting thread: ½" NPT

CB90 with Carbide Coating



- **Features**:
  - Extremely aggressive forward cutting.
  - Maneuverability.
  - Switchable vibration.
  - Self-sharpening blades.
  - No leakage.
  - Recyclable water.
- **Scope of use:**
  - Removal of extremely hard lime scale and concrete.
  - Suitable for steel, concrete an PE pipes as well as subsoil drain.
- **Pipe diameters:**
  - 100-150 mm / 4-6 in
- **Specifications:**
  - Max. pressure: 200 bar / 2900 psi
  - Flow rate: 60 l/min / 16 GPM
  - Connecting thread: ½' NPT

CB70 Cutting Ball



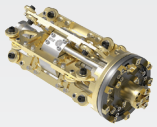
- **Features**:
  - Ø 68 mm/ 2.6 in
  - Maneuverability.
  - Switchable vibration.
  - Self sharpening blades.
  - No leakage.
- **Scope of use:**
  - Removal of roots and lime in PE, steel and concrete pipes.
  - Subsoil drain.
- **Pipe diameters:**
  - 80-120 mm / 3-5 in
- **Specifications:**
  - Max. pressure: 200 bar / 2900 psi
  - Flow rate: 60 l/min / 16 GPM
  - Connecting thread: ½" NPT

CB90 Cutting Ball



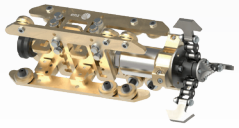
- **Features**:
  - Maneuverability.
  - Switchable vibration.
  - Self sharpening blades.
  - No leakage.
- **Scope of use:**
  - Removal of roots and lime in PE, steel and concrete pipes.
  - Subsoil drain.
- **Pipe diameters:**
  - 100-150 mm / 4-6 in
- **Specifications:**
  - Max. pressure: 200 bar / 2900 psi
  - Flow rate: 60 l/min / 16 GPM
  - Connecting thread: ½”

IMC 300/350 recycling Impact Milling Cutter



- **Features**:
  - 50% more percussion impact power.
  - Runs with recycled water.
  - Maintenance free.
  - 20-30% more efficiency.
- **Scope of use:**
  - Removal of hardest deposits in pipes of plastic, steel and concrete.
- **Pipe diameters:**
  - 300-350 mm / 12-14 in
- **Specifications:**
  - Max. pressure: 150 bar / 2200 psi
  - Flow rate: 260 l/min / 69 GPM
  - Connecting thread: 1”, 1¼”

IMC 200/250 Recycling Impact Milling Cutter



- **Features**:
  - 50% more percussion impact power.
  - Runs with recycled water.
  - Maintenance free.
  - 20-30% more efficiency.
- **Scope of use:**
  - Removal of hardest deposits in pipes of plastic, steel and concrete.
- **Pipe diameters:**
  - 200-250 mm / 8-10 in
- **Specifications:**
  - Max. pressure: 150 bar / 2200 psi
  - Flow rate: 200 l/min / 53 GPM
  - Connecting thread: 1”, 1¼”

Guiding Nozzles Standard



- **Features**:
  - Entering in pipe inlets.
  - Targeted Cleaning of pipe inlets.
  - Cleaning from road to house.
- **Scope of use:**
  - Removal of loose rubble stone, gravel and soft deposits.
- **Pipe diameters:**
  - 60-150 mm / 2.3-6 in
- **Specifications:**
  - Max. pressure: 350 bar / 5075 psi
  - Flow rate: 50 l/min / 13 GPM
  - Connecting thread: ½”

Guiding Nozzles Rotative

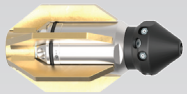


- **Features**:
  - Entering in pipe inlets.
  - Targeted Cleaning of pipe inlets.
  - Cleaning from road to house.
  - With or without vibration available.
- **Scope of use:**
  - Removing of hard deposits in PE, steel and concrete pipes like subsoil drain.
- **Pipe diameters:**
  - 70-150 mm / 2.7-6 in
- **Specifications:**
  - Max. pressure: 350 bar / 5075 psi
  - Flow rate: 40 l/min / 10 GPM
  - Connecting thread: ½”

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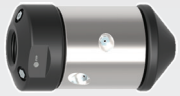
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Manhole Nozzles



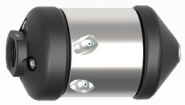
- **Features**:
  - Operates as self-centering
  - No protruding parts from the nozzle to wedge under the access ladder.
  - Requires little space in the cleaning vehicle.
  - Optional front jets cleans floors
- **Scope of use:**
  - Circumferential cleaning of vertical pipes such as shafts or fountains.
- **Pipe diameters:**
  - 100-2000 mm / 4-78 in
- **Specifications:**
  - Max. pressure: 250 bar / 3625 psi
  - Flow rate: 90 l/min / 23 GPM
  - Connecting thread: ½", ¾", 1", 1¼"

HRH Nozzles Ø 22 mm



- **Features**:
  - Controlled rotation (enz® Principle)
  - Excellent cleaning performance (ceramic inserts)
  - Easy with bends.
  - Requires little water.
  - Rearward ward jets
- **Scope of use:**
  - Removes hair roots.
  - Cleaning of pipe for CCTV surveys.
- **Pipe diameters:**
  - 25-100 mm / 1-4 in
- **Specifications:**
  - Max. pressure: 350 bar / 5000 psi
  - Flow rate: 20 l/min / 5.2 GPM
  - Connecting thread: ¼" NPT

HRH16



- **Features**:
  - Works with little water.
  - Water jets towards the back.
  - Great traction in the pipe.
  - Maneuverability.
  - Long lifetime.
- **Scope of use:**
  - Removal of roots and mineral deposits.
  - Toilets and kitchen.
  - Compatible with several pipe bends.
- **Pipe diameters:**
  - 18-60 mm / 0.7-2.3 in
- **Specifications:**
  - Max. pressure: 350 bar / 5075 psi
  - Flow rate: 15 & 18 l/min / 4 & 8 GPM
  - Connecting thread: ½"

HydroX



- **Features**:
  - Highest removal performance.
  - Very low wear due to tungsten carbide front jet.
  - Repair kit for quick and easy maintenance.
  - With plastic protection.
- **Scope of use:**
  - For hydraulic excavation.
- **Specifications:**
  - Max. pressure: 350 bar / 5075 psi
  - Flow rate: 32 l/min / 8.4 GPM
  - Connecting thread: ½", ⅜", ⅜" NPT
  - Dimensions: 32 x 62 mm / 1.3 x 2.2 in

KBR12



- **Features**:
  - New with thrust.
  - Low water consumption.
  - Applicable with low pump capacity.
- **Scope of use:**
  - To clean heat exchangers and fat deposits.
  - To remove organic deposits.
- **Pipe diameters:**
  - 13-30 mm / 0.51-1.18 in
- **Specifications:**
  - Max. pressure: 350 bar / 5075 psi
  - Flow rate: 10 l/min / 2.64 GPM
  - Connecting thread: ⅛', ⅛' NPT
  - Dimensions: 12 x 26 mm / 0.47 x 1.02 in

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KBR16



- **Features**:
  - New with thrust.
  - Low water consumption.
  - KBR (90° + 45°) water jet.
- **Scope of use:**
  - Cleaning grease deposits.
  - Removing plastic deposits.
- **Pipe diameters:**
  - 18-60 mm / 0.7-2.4 in
- **Specifications:**
  - Max. pressure: 350 bar / 5075 psi
  - Flow rate: 5-40 l/min / 1.3-10.5 GPM
  - Connecting thread: ⅛'-¼" NPT

P360



- **Features**:
  - 1 nozzle for 24-18 in.
  - Light weight.
  - One product for all diameters.
  - Easy and quick to set up.
  - Recyclable water.
  - With or without thrust.
  - Dry weather interior cleaning.
- **Scope of use:**
  - All around cleaning.
  - Several pipe profiles round / square/ egg.
  - Removal of extremely hard deposits.
- **Pipe diameters:**
  - 600-3000 mm / 24-118 in
- **Specifications:**
  - Max. pressure: 200 bar / 2900 psi
  - Flow rate: 250 l/min / 66 GPM
  - Connecting thread: 1" NPT, 1¼" NPT
  - Manhole size: 600 mm / 24 in
  - Weight: 62 Kg

Rotodrill™



- **Features**:
  - Top cutting performance.
  - 3 to 4 better cleaning performance than conventional front jet standard nozzles.
- **Scope of use:**
  - Blocked pipes.
  - Heavy contamination.
  - Freezing pipes.
  - Tube feed.
  - All types of pipes.
- **Pipe diameters:**
  - 50-250 mm / 1.96-9.84 in
- **Specifications:**
  - Max. pressure: 350 bar / 5075 psi
  - Flow rate: 35 l/min / 0.26 GPM
  - Connecting thread: ½", ¾", ⅜", 1"

Rotodrill™ ⅜" NPT



- **Features**:
  - Low flow
  - Excellent cutting performance.
  - Very powerful oscillating front jet.
  - Easy with bends.
  - Simple to service.
- **Scope of use:**
  - For cleaning out pipes blocked by roots.
  - Removing wet wipes.
  - Pushing material forward.
- **Pipe diameters:**
  - 50-150 mm / 2-6 in
- **Specifications:**
  - Max. pressure: 350 bar / 5000 psi
  - Flow rate: 25 l/min / 6.6 GPM
  - Connecting thread: ⅜" NPT
  - Dimensions: 33 x 66 mm / 1.2 x 2.5 in

Rotodrill™ ½"



- **Features**:
  - Low flow
  - Excellent cutting performance.
  - Very powerful oscillating front jet.
  - Easy with bends.
  - Simple to service.

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- **Scope of use:**
  - For cleaning out pipes blocked by roots.
  - Removing wet wipes.
  - Pushing material forward.
- **Pipe diameters:**
  - 50-150 mm / 2-6 in
- **Specifications:**
  - Max. pressure: 350 bar / 5000 psi
  - Flow rate: 25 l/min / 6.6 GPM
  - Connecting thread: ½”
  - Dimensions: 33 x 66 mm / 1.2 x 2.5 in

Rotopuls 16



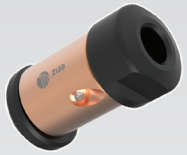
- **Features**:
  - Very effective by strong vibration.
  - Maneuverability DN 50 pipes.
  - Thrust for long pipes available.
  - Alternative to mechanical cleaning.
- **Scope of use:**
  - Removal of middle hard and hard deposits in pipes of plastic, steel or concrete.
  - Fat deposits, lime, urine scale.
- **Pipe diameters:**
  - 45-90 mm / 1-3.5 in
- **Specifications:**
  - Max. pressure: 350 bar / 5000 psi
  - Flow rate: 15 l/min / 4 GPM
  - Connecting thread: ⅛”, ⅛” NPT, ¼”, ¼” NPT
  - Dimensions: 22 x 29 mm / 0.8 x 1.1 in

Rotopuls 30 Vibration Nozzle



- **Features**:
  - Hard vibration impact.
  - Only 2” long.
  - Optimized surface.
- **Scope of use:**
  - Removal of middle hard deposits in pipes of plastic, steel and concrete.
- **Pipe diameters:**
  - 38-101 mm / 1.5-4 in
- **Specifications:**
  - Max. pressure: 350 bar / 5075 psi
  - Flow rate: 11 l/min / 3 GPM
  - Connecting thread: ¼”
  - Dimensions: 30 x 76.2 mm / 1.2 x 2.0 in

Rotopuls 34



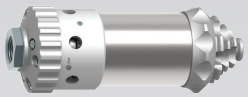
- **Features**:
  - High impact because of ½”.
  - Short construction (34 x 58 mm)
  - Easy with bends.
  - Pointed centre.
- **Scope of use:**
  - For removing medium-hard to hard deposits in pipes of plastic, steel and concrete.
- **Pipe diameters:**
  - 45-150 mm / 1.8-6 in
- **Specifications:**
  - Max. pressure: 350 bar / 5000 psi
  - Flow rate: 15 l/min / 4 GPM
  - Connecting thread: ½” BSPP, ½” NPT, ⅜” BSPP, ⅜” NPT with reduction.
  - Dimensions: 34 x 57.5 mm / 1.3 x 2.3 in

Rotopuls 44



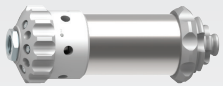
- **Features**:
  - Hard vibrating impact.
  - Optimized impact head.
  - Pointed centre.
- **Scope of use:**
  - For removing middle-hard to hard deposits in pipes of plastic, steel and concrete.
- **Pipe diameters:**
  - 70-150 mm / 2.7-5.9 in
- **Specifications:**
  - Max. pressure: 350 bar / 5000 psi
  - Flow rate: 20 l/min / 5 GPM
  - Connecting thread: ½”
  - Dimensions: 44 x 88 mm / 1.7 x 3.4 in

Turbopuls 60 Rotating Nozzle



- **Features**:
  - Very low maintenance.
  - Low consumption of water.
  - Easy appliance.
  - Long durability.
- **Scope of use:**
  - For removing of hard deposits in pipes of plastic, steel and concrete.
- **Pipe diameters:**
  - 100-200 mm / 4-8 in
- **Specifications:**
  - Max. pressure: 200 bar / 2900 psi
  - Flow rate: 16 l/min / 4 GPM
  - Connecting thread: ½", ¾"

Turbopuls 80



- **Features**:
  - Turbopuls 80 with large head.
  - Very powerful / huge impact.
  - Recyclable water.
  - Low water consumption.
  - Low maintenance.
- **Scope of use:**
  - Removes limescale and other hard deposits in plastic, steel and concrete pipes.
- **Pipe diameters:**
  - 150-300 mm / 5.9-11.8 in
- **Specifications:**
  - Max. pressure: 200 bar / 2900 psi
  - Flow rate: 80 l/min / 21.13 GPM
  - Connecting thread: ½", ⅜" NPT

Turbopuls Twin Kit



- **Features**:
  - Turbopuls 120 with twin holder.
  - Very powerful / huge impact.
  - Recyclable water.
  - For very large channels.
- **Scope of use:**
  - Removes limescale and other hard deposits in plastic, steel and concrete pipes.
- **Pipe diameters:**
  - 500 mm / 19.6 in
- **Specifications:**
  - Max. pressure: 200 bar / 2900 psi
  - Flow rate: 2 x 150 l/min / 2 x 39 GPM
  - Connecting thread: 1", 1¼"
  - Dimensions: 360 x 700 mm / 14.1 x 27.5 in

Accessories: Hosereel



- **Features**:
  - Minimizes the risk of soiling.
  - Simple handling of the high-pressure hose.
  - For ¼" or ⅛" High-pressure hoses.
  - Has an open-end wrench 27 mm / 1.06 inch, a swivel joint and a nozzle holder on the rear side.
- **Scope of use:**
  - Household applications.
- **Specifications:**
  - Weight: 4.5 Kg / 9.7 lb
  - Dimensions: 490 x 415 x 240 mm / 19 x 16 x 9 in

Accessories: Flex Guides



- **Features**:
  - Rollers to protect the hose.
  - Flexible flex guides.
  - Rigid or flexible brackets..
  - Wear-free plastic protection.
  - Large (from 12" pipe)
  - Medium (from 6" pipe)
- **Scope of use:**
  - Hose protection.
  - Manhole top edge.
  - Manhole bottom edge.
  - Protection of building corners.
- **Pipe diameters:**
  - 6"-12"

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- **Specifications:**
  - Weight: 7 Kg / 15.43 lb

Accessories: Nozzle Extension



- **Features**:
  - Safety liner.
  - Collar.
  - Threaded ring.
- **Scope of use:**
  - Prevents the nozzle from turning around in the pipe.
  - Thread cannot be screwed in too deeply into the nozzle.
- **Pipe diameters:**
  - 200-600 mm / 7-23 in
- **Specifications:**
  - Max. pressure: 350 bar / 5067 psi
  - Connecting thread: ½" - 1¼"
  - Dimensions: Varies

Accessories: Spray Gun Vario 18.45



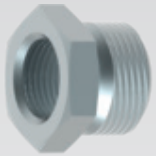
- **Features**:
  - Continuous switchover from cone to round jet.
  - Gentle surface cleaning.
- **Scope of use:**
  - Cleaning of shafts.
  - General cleaning work.
- **Pipe diameters:**
  - 800 mm / 32 in
- **Specifications:**
  - Max. pressure: 250 bar / 3625 psi
  - Min. Flow: 10 l/min / 3 gpm
  - Connecting thread: ½" NPT

Accessories: Round and Flat Jet Nozzle Inserts



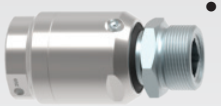
- **Features**:
  - Very compact and aggressive.
  - Long service life.
  - Available in a wide variety of diameters.
  - Integrated Jet stabilizer.
  - Cleaning affect is greatly increased for the same amount of water and energy.
- **Specifications:**
  - Max. pressure: 500-1500 bar / 7252-21755 psi
  - Connecting thread: ¼", M4-M10
  - Weight: 0.1 Kg

Accessories: Reductions/ Extensions



- **Features**:
  - Various thread sizes.
  - Stainless steel.
- **Specifications:**
  - Connecting thread: ¼"-1¼"
  - Weight: 0.2-0.61 Kg

Accessories: Swivel Joints



- **Features**:
  - Rust proof.
  - Excellent flow dynamic.
  - Suitable for larger channel cleaning.
  - For operating cutters.
- **Specifications:**
  - Max. pressure: 250 bar / 3600 psi
  - Connecting thread: ½"-1½" (male and female)
  - Dimensions: Varies

Accessories: High-Pressure Hoses



- **Features**:
  - Outstanding handling.
  - Long service life.
  - Highest level of safety.
- **Specifications:**
  - Max. pressure: 250 bar / 3600 psi
  - Connecting thread: ⅛"-1¼"

Accessories: Toolboxes



- **Features**:
  - Flexible.
  - Reduces risk of lost or misplaced nozzles.
- **Specifications**
  - Connecting thread: ⅛"-1¼"
  - Dimensions: Varies
  - Weight: 0.10-2.80 Kg

Get in touch

Established 88

For all your high-pressure jetting equipment and hose requirements, Werner South Africa Pumps delivers unmatched quality, reliability, and after-sales support. We pride ourselves on offering industry-leading performance, locally built solutions, and world-class service standards to meet your operational needs.

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