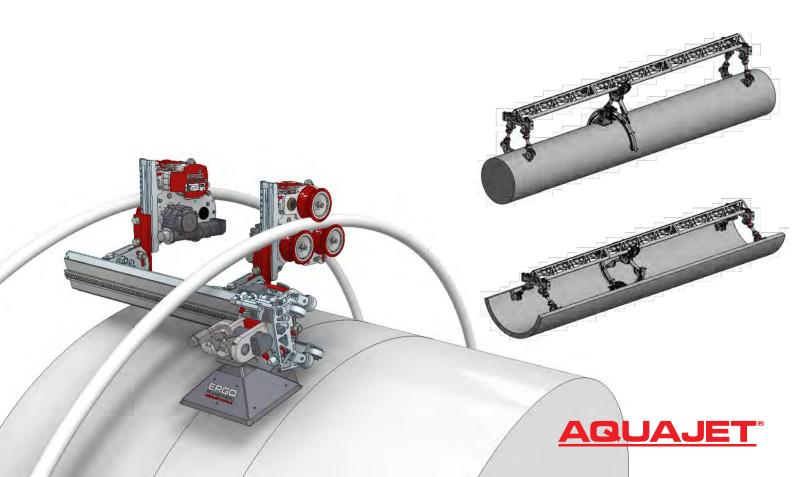


Aqua Rail Systems 3.0

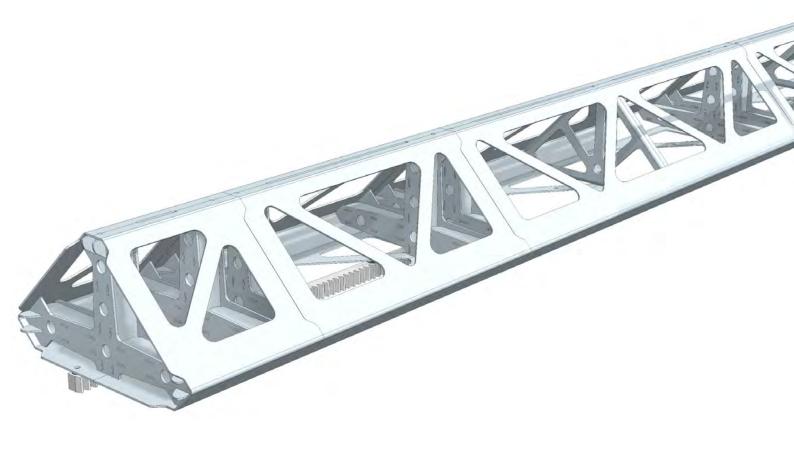
EXPANDS HYDRODEMOLITION REACH AND FLEXIBILITY



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Introducing

Aqua Rail Systems 3.0

- EXPANDS HYDRODEMOLITION REACH AND FLEXIBILITY

The Aqua Rail Systems 3.0 represents the next generation of hydrodemolition solutions, designed to revolutionize how you approach demanding projects. Combining cutting-edge innovations like the Aqua Spine 3.0 and Ergo Climber 3.0, this system offers unparalleled versatility, precision, and efficiency.

Aqua Rail Systems 3.0 is engineered to meet the evolving needs of our customers, delivering advanced tools that adapt to a wide range of applications. Whether it's tackling vertical or overhead surfaces, irregular geometries, or hard-to-reach areas, this system provides a robust, flexible, and safe solution for every challenge.

With enhanced automation, greater durability, and user-focused improvements, Aqua Rail Systems 3.0 is designed to save time, reduce costs, and maximize

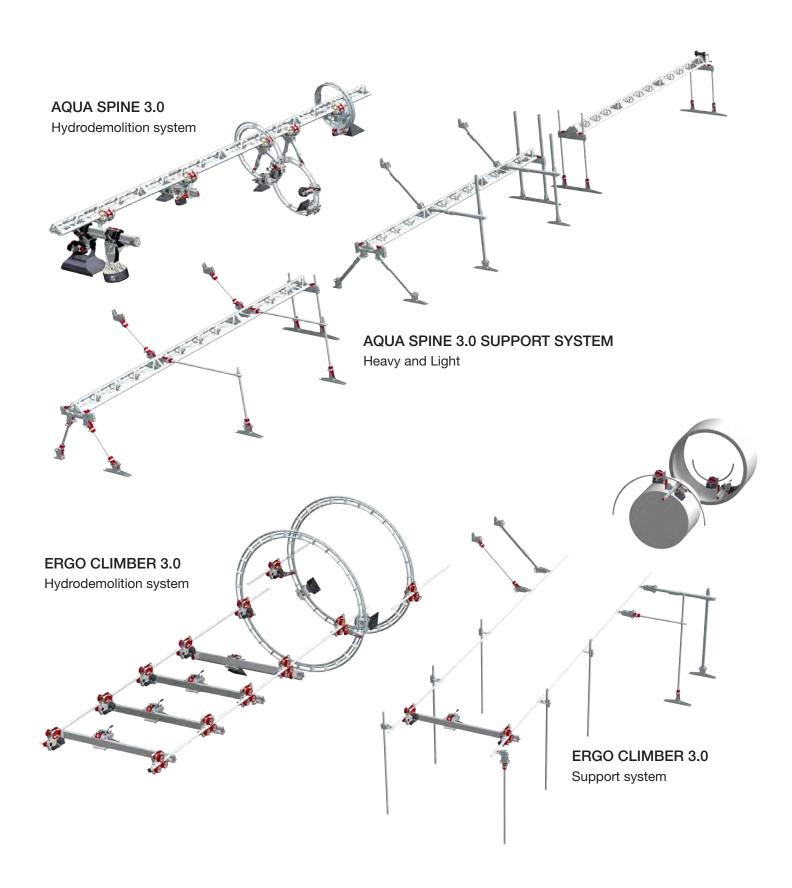
productivity. Our goal is to empower you to achieve superior results with less effort, ensuring you stay ahead in a competitive industry.

This new system isn't just about technology—it's about giving you the tools to work smarter, faster, and safer. This multi-modular system is the future of hydrodemolition, built to deliver the results you need today and the reliability you'll rely on tomorrow.

Aqua Rail Systems 3.0

AQUA SPINE 3.0 / ERGO CLIMBER 3.0 / SUPPORT SYSTEMS 3.0

The Aqua Rail Systems 3.0 is a complete solution and includes several new and improved products - such as the Aqua Spine 3.0, Ergo climber 3.0 and the Support system that support the rail systems in all imaginable situations.

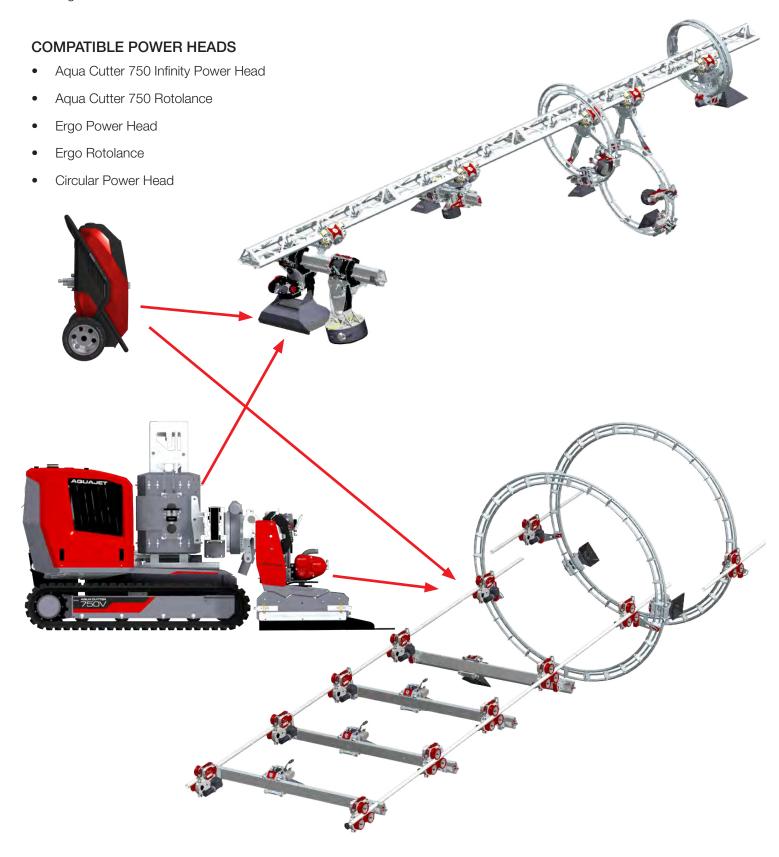


Compatibility

EVOLUTION 3.0 CONTROL SYSTEM

COMPATIBLE CONTROL UNITS

- Aqua Cutter 750
- Ergo Controller



RAIL SYSTEM

RAIL INFORMATION

Lightweight design

The weight has been reduced from 52 kg (115 lbs) to 39 kg (86 lbs) for a 2-meter Aqua Spine rail section.

- 2,0 m (6,6 ft) = 39 kg (86 lbs)
- 1,0 m (3,3 ft) = 22 kg (48.5 lbs)
- 0.5 m (1,6 ft) = 14 kg (31 lbs)
- 0.25 m (0.8 ft) = 10 kg (22 lbs)

Enhanced performance

Improved strength with approximately 60% better load capacity and 50% better torque resistance.

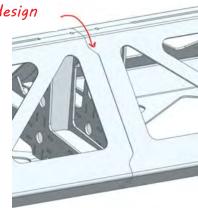
Modular and scalable

Traversable mounts and brackets enable the construction of infinitely long rail setups.

Effortless assembly

Sections are secured with a single M20x170 screw and feature an innovative "puzzle" design for seamless connections.





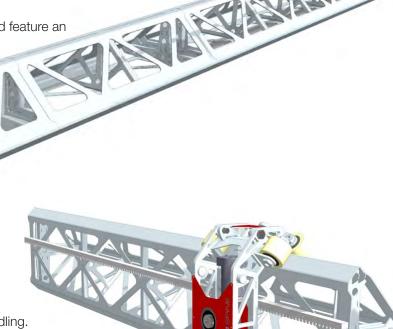


Reduced weight

Weight reduced from 46 kg to 28 kg for improved handling.

Quick attachment

- Easily attaches to the rail with minimal effort.
- Features fast and easy tool attachment capabilities.



HYDRODEMOLITION SYSTEM

BRACKETS FOR ROLLER BEAMS

Designed to securely attach the roller beam to the Aqua Spine system.

Aqua Cutter 750V Roller Beam

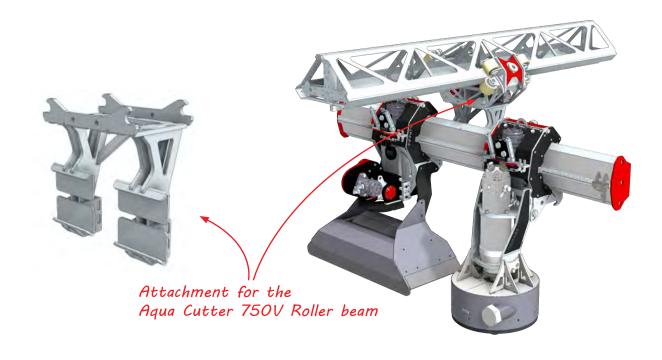
Supports reactionforces up to 2000N.

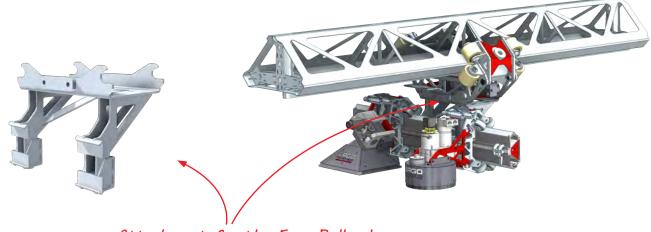
Ergo Roller Beam

Handles reactionforces up to 1000N.

Curved Roller Beam

Compatible with the Aqua Cutter 750V.





Attachment for the Ergo Roller beam

HYDRODEMOLITION SYSTEM

RINGS / RADIUSES UP TO 2000N

Designed for work in tunnels or on pillars, easily attached to the Aqua Spine system.

Aqua Centralizer

Designed for pipe and tunnel systems.

- \emptyset 1,0 m (3,3 ft) ring = \emptyset 1,5-2,0 m (4,9-6,5 ft)
- \emptyset 1,5 m (4,9 ft) ring = \emptyset 1.9-2,5 m (6,2-8,2 ft)
- \emptyset 2,0 m (6,5 ft) ring = \emptyset 2,4-3,0m (7.9-9,8 ft)

Aqua Spine Circular Power Head

Designed for work on pillars and columns.

- \emptyset 1,0 m (3,3 ft) ring = \emptyset 0,1-0,7 m (0,3-2,3 ft)
- \emptyset 1,5 m (4,9 ft) ring = \emptyset 0,6-1,2 m (2,0-3,9 ft)
- \emptyset 2,0 m (6,5 ft) ring = \emptyset 1,1-1,7 m (3,6-5,6 ft)

Hydraulic Pillar Clamp

Designed to securely anchor the system around pillars or columns.

Manual Pillar Clamp

Designed to securely anchor the system

around pillars or columns.

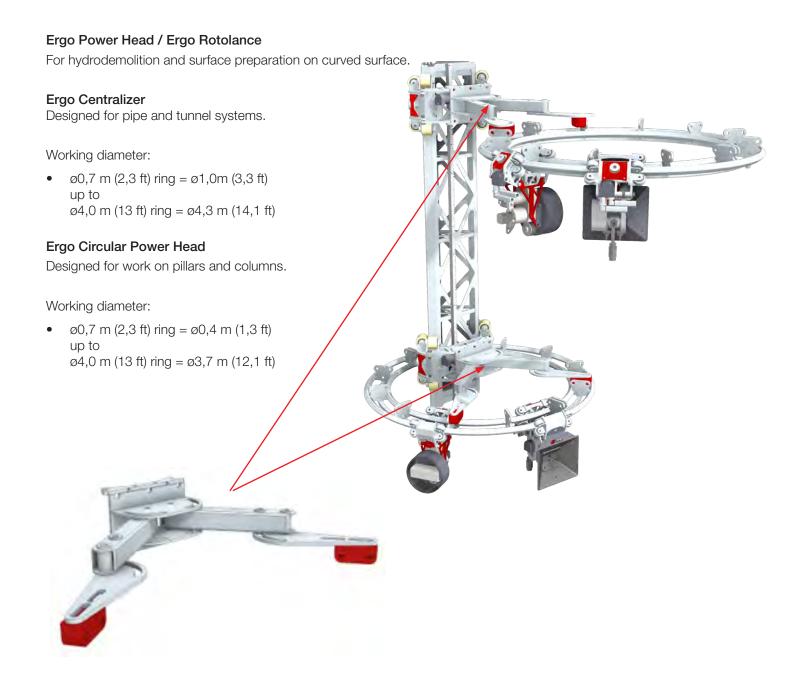


HYDRODEMOLITION SYSTEM

RINGS / RADIUSES UP TO 1000N

Designed for work in tunnels or on pillars, easily attached to the Aqua Spine system.

- Custom-built with selectable radius and arc length.
- Combinable mount for both internal/external work on curved surfaces, with CC 80mm standard holes.



SUPPORT SYSTEM

Aquajet's new Support System is designed to deliver even more flexibility and stability when working with the Aqua Spine 3.0 or the Ergo, offering a customizable solution that adapts to the specific demands of each job.

The system consists of support legs, brackets and joints that are easily adjustable in both height and angle, and can be assembled to allow the Aqua Spine to rotate 360 degrees — either manually or hydraulically. The Support System uses interchangeable CC80 hole pattern and M16 screws, enabling quick reconfiguration from one project to the next.

Support System Light

- Standard scaffolding pipes, ø48 mm.
- Suitable for both Ergo and UHP (ultra high-pressure).

Support System Heavy

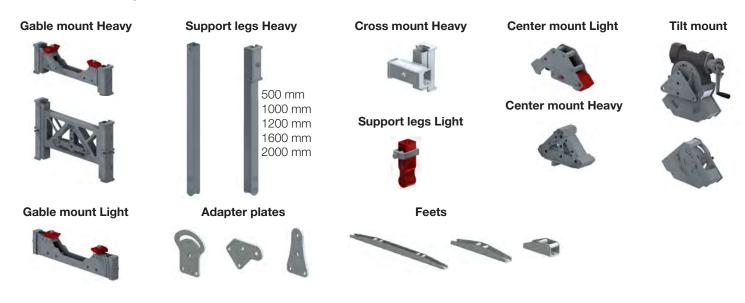
- Suitable for high-pressure pumps and big setups.
- Comes in a version that includes a tilt function with positioning gear.

Both systems can be combined.

Light system JAMAN SINGS Heavy system Heavy system with tilt function and positioning gear

SUPPORT LEG SYSTEM

- Standard CC 80 mm holes.
- M16x100 screws.
- Only 9 parts! (Light system)



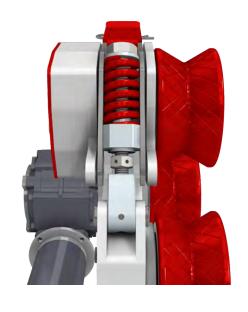
Ergo Climber 3.0

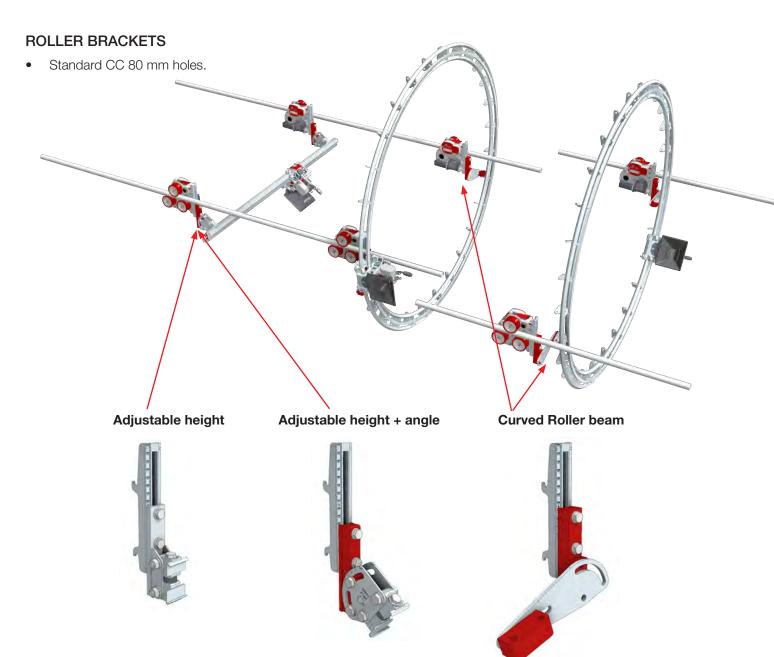
HYDRODEMOLITION SYSTEM

NEW TENSION SCREW

- Handles curved scaffold tubes down to a radius of 300 mm.
- Handles pipe diameter 45-55 mm.
- Fixed clamping dimension 60 mm.

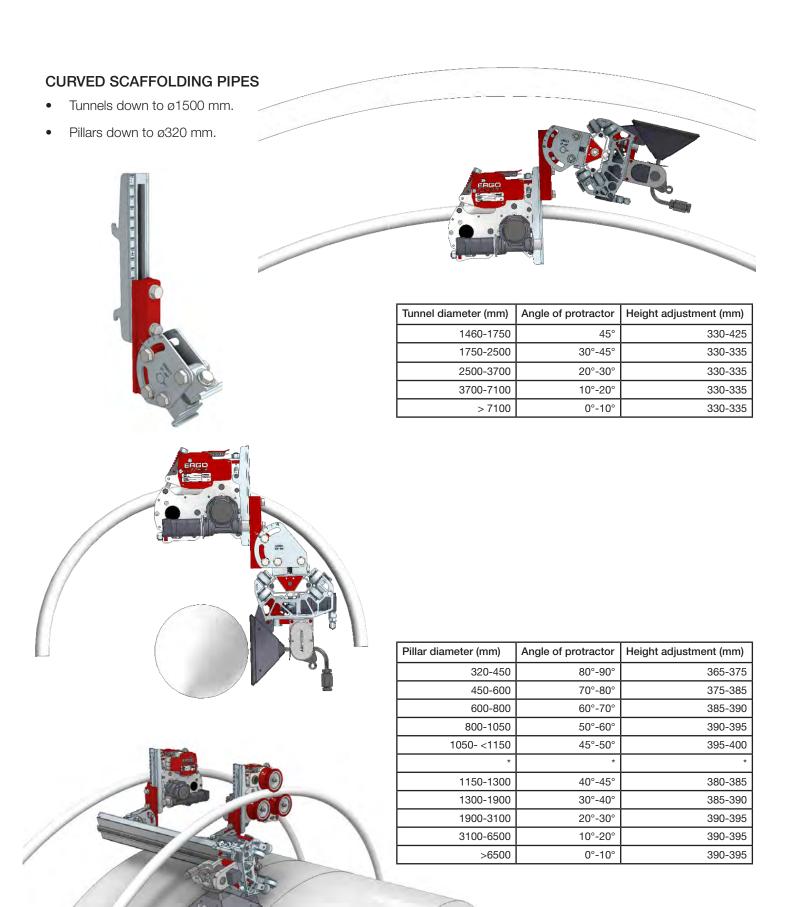






Ergo Climber 3.0

HYDRODEMOLITION SYSTEM



SUPPORT SYSTEM

TRAVERSABLE MOUNTS

Mounts that allow the Ergo Climbers to pass over without hindrance.

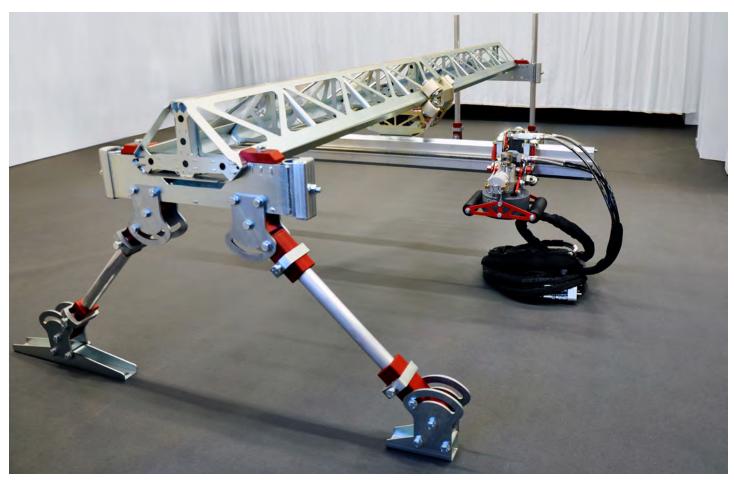
- Supplement to standard mounts.
- Possibility to build an infinitely long frame.







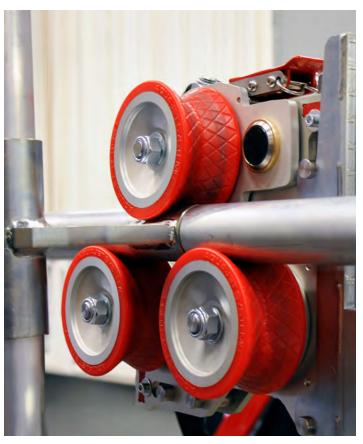
The heavy version of the Support System features parts that can handle greater reaction force, perfect for setups with the Aqua Cutter 750V. The system makes different configurations possible, perfect for special projects that require creative problem solving.



The new Aqua Spine 3.0 with the Light version of the Support system, perfect for work with the Ergo Power head. The support legs are light, adjustable and easily attached to any surface.



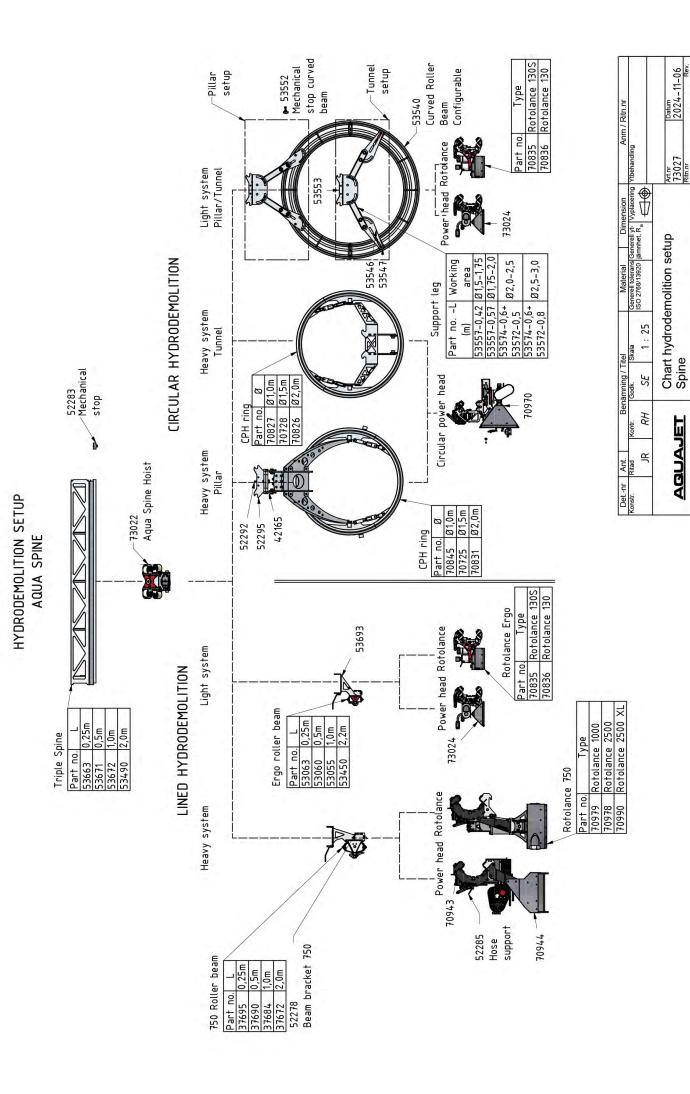
For circular Hydrodemolition, such as pillars and tunnels, the Aqua Spine 3.0 with Support System and a curved roller beam makes usually challenging applications seamless.



The updated Ergo Climber 3.0 attaches and moves along standard or curved scaffolding pipes. The new light Support System with traversable joints, that allow the Ergo Climbers to pass over without hindrance, makes it easier than ever to perform powerful Hydrodemolition work.

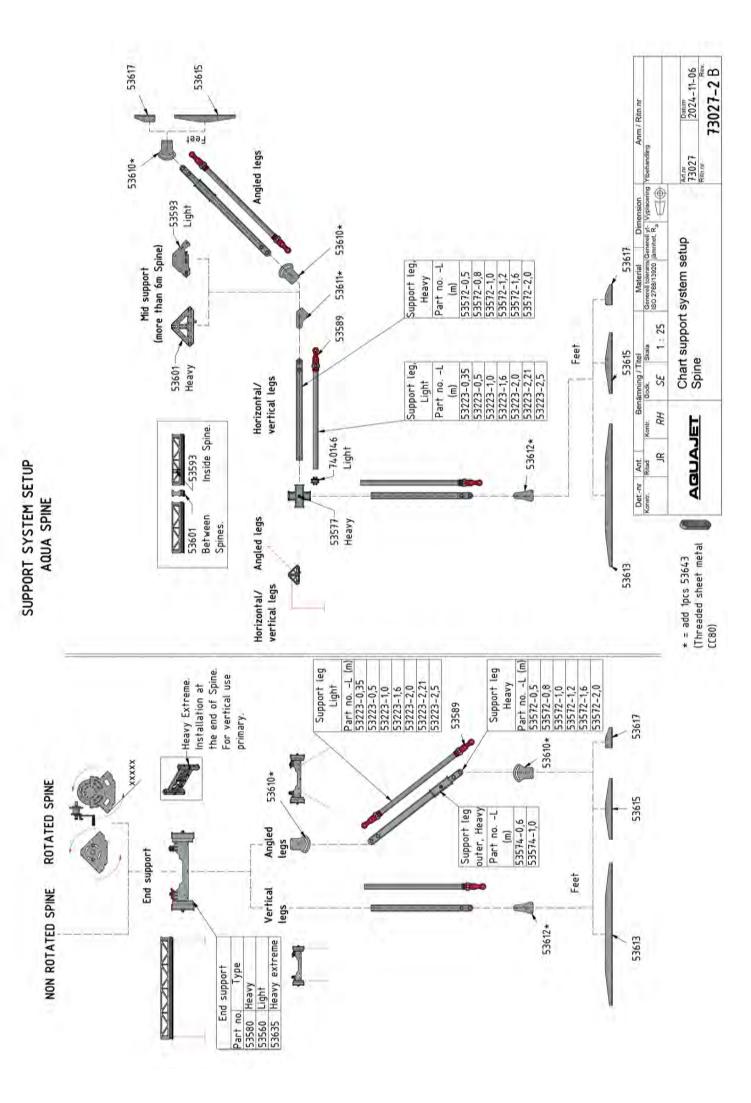


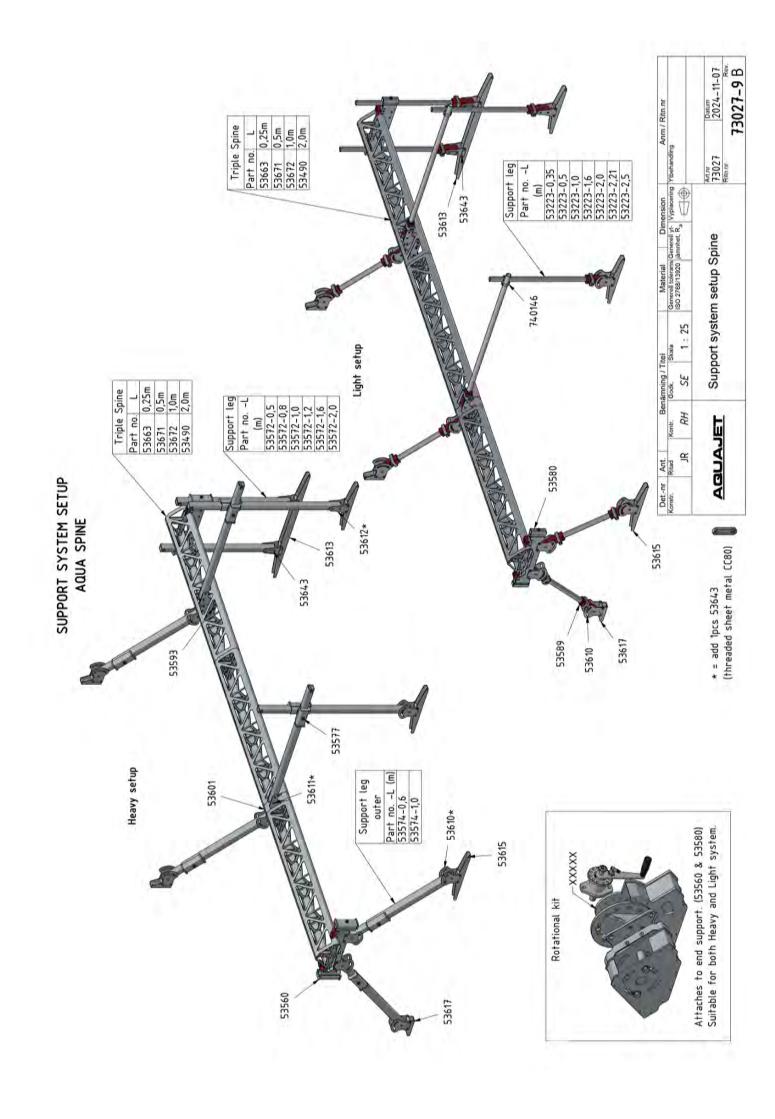
The Aqua Rail System 3.0 is a complete solution and includes the Aqua Spine 3.0, Ergo climber 3.0 and Support elements for all imaginable situations.

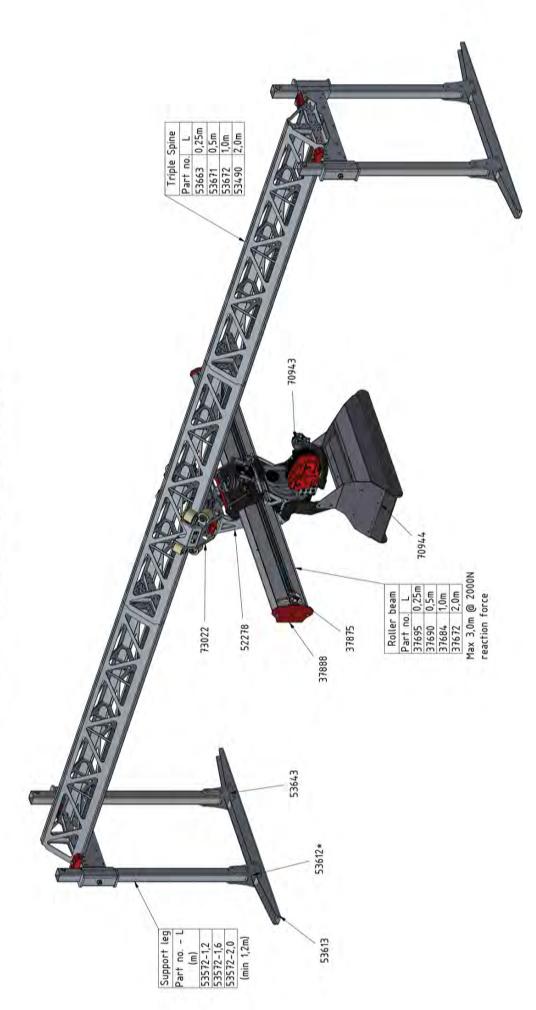


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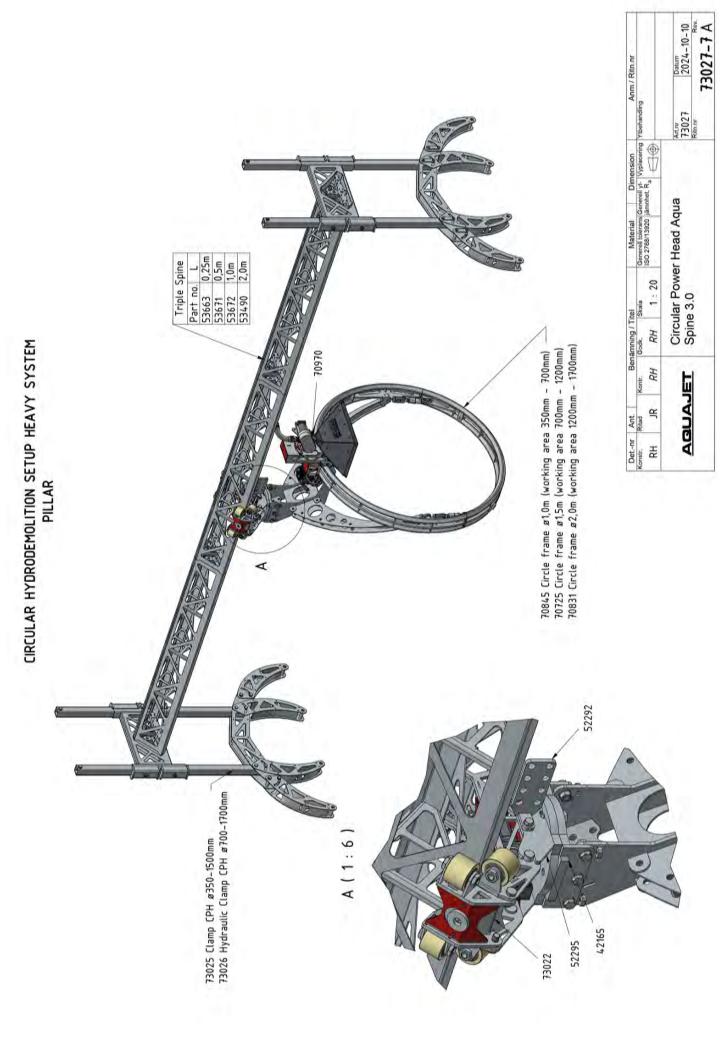


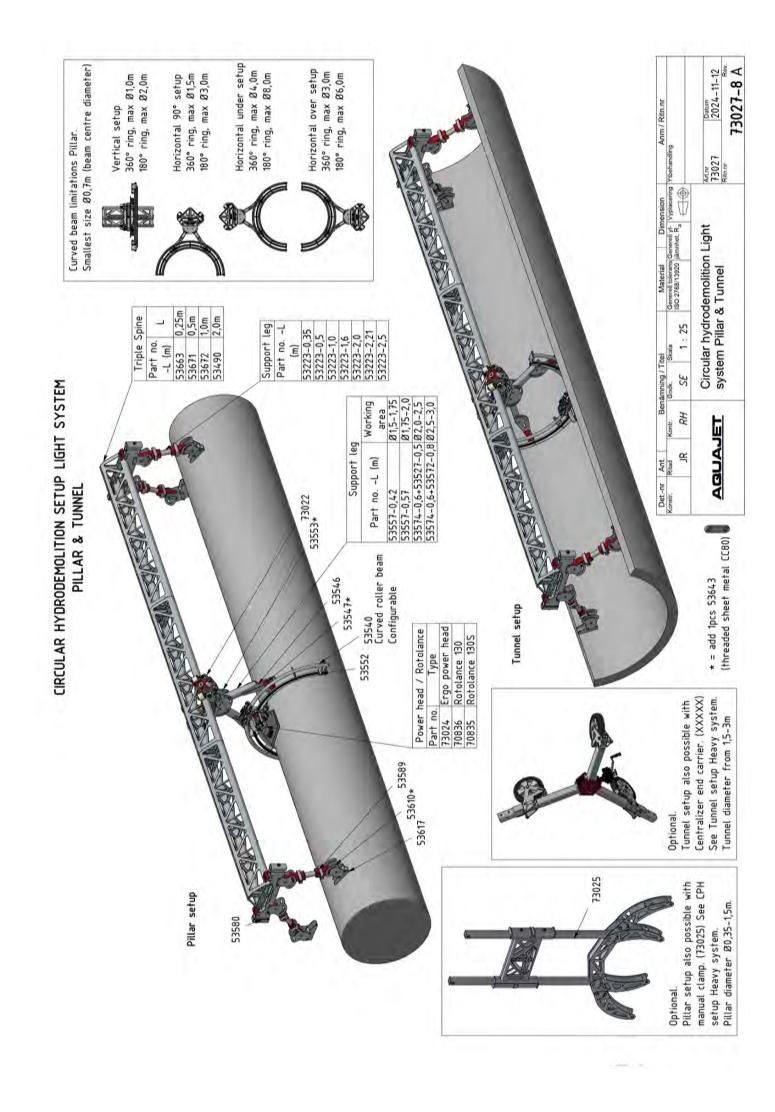




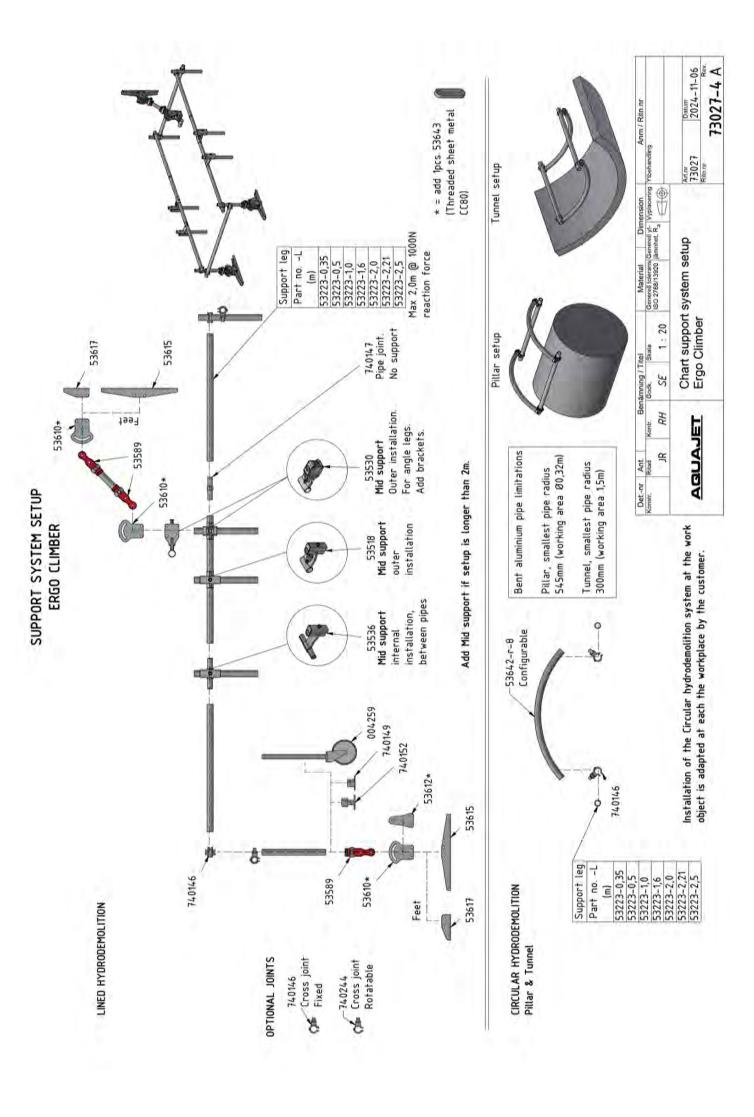
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* = add 1pcs 53643 (threaded sheet metal CC80)

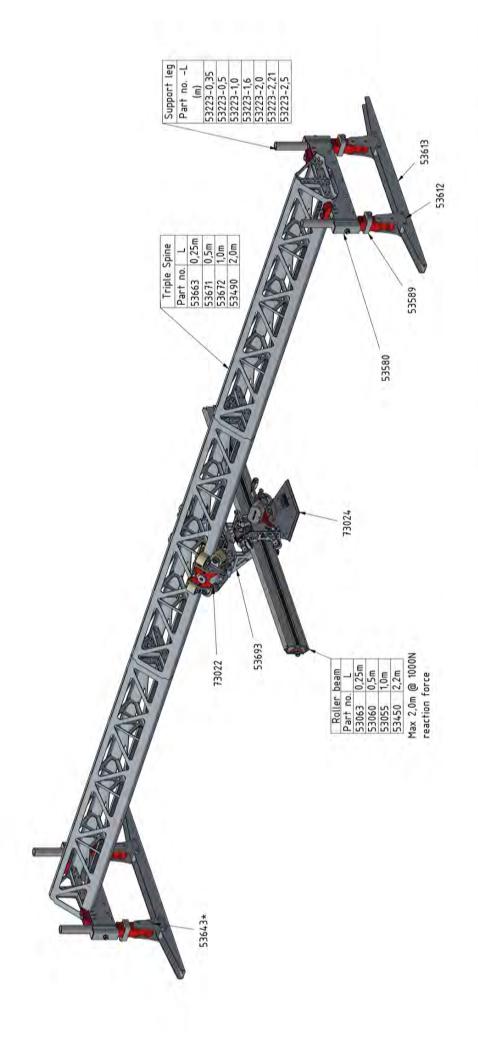




Art.nr P1162-1366 2024-07-12 Ritn.nr Rev. 73027-3 A Horizontal over setup 360° ring, max Ø3,0m 180° ring, max Ø6,0m Horizontal under setup 360° ring, max Ø4,0m 360° ring, max Ø1,0m 180° ring, max Ø2,0m 360° ring, max Ø1,5m 180° ring, max Ø3,0m 180° ring, max Ø8,0m Horizontal 90° setup Anm / Ritn.nr Vertical setup Curved beam limitations Material Dimension A General Internation | National Internation | National International Internation Tunnel setup Chart hydrodemolition setup Ergo climber Ergo roller beam Part 53063 0,25m 53060 0,5m 53055 1,0m 53450 2,2m П0. Configurable -53642-r-8 53515 Pillar setup Benämning / Titel Godk. Skala Bent aluminium pipe CIRCULAR HYDRODEMOLITION Pillar & Tunnel 70835 Rotolance 130S 70836 Rotolance 130 AQUAJET Kontr. Туре Curved Roller Beam Det.-nr Ant. Konstr. Ritad Ergo Rotolance curved beam F 53552 Mechanical HYDRODEMOLITION SETUP ERGO CLIMBER 53540-U/I-R Configurable Part no. 53548 53546 53547 stop 73017 Rotolance Tunnel setup **Curved roller** beam Power head 73018 73024 Pillar setup LINED HYDRODEMOLITION BIL Ergo roller beam Part no. L 53063 0,25m 53060 0,5m 53055 1,0m 53450 2,2m BHI Height adjustable Angle and height Beam Bracket Beam Bracket beam bracket beam bracket adjustable 53422 53421 53515



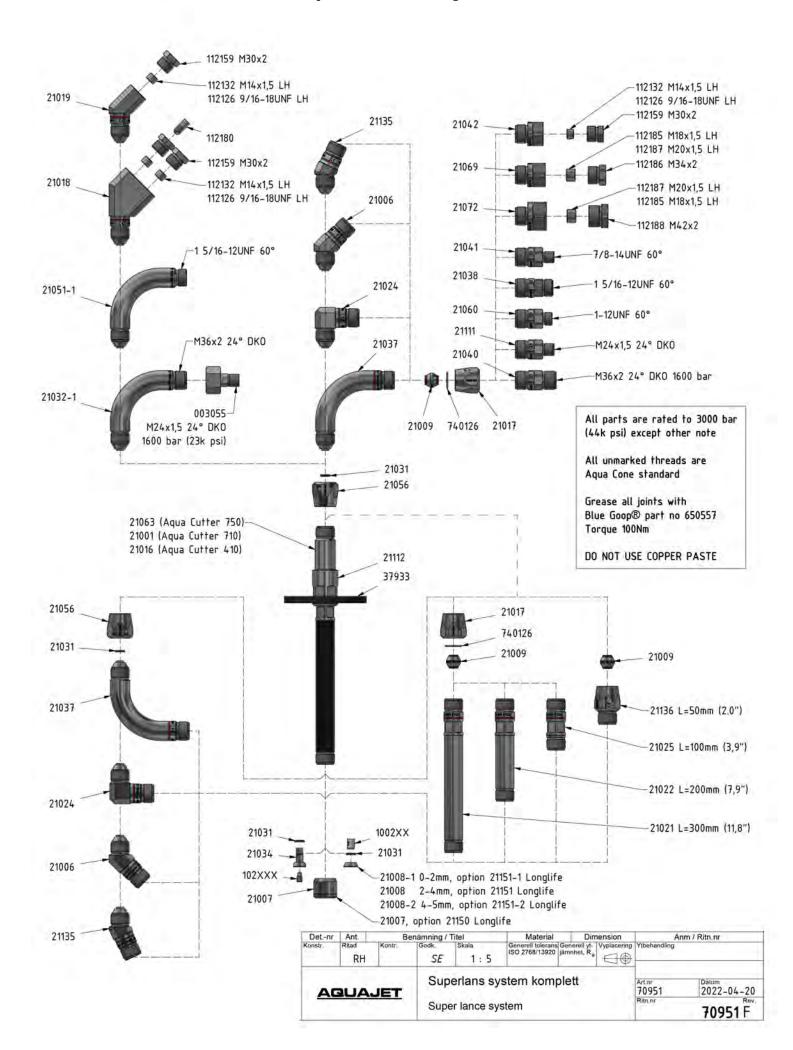
LINED HYDRODEMOLITION, LIGHT SYSTEM, ERGO



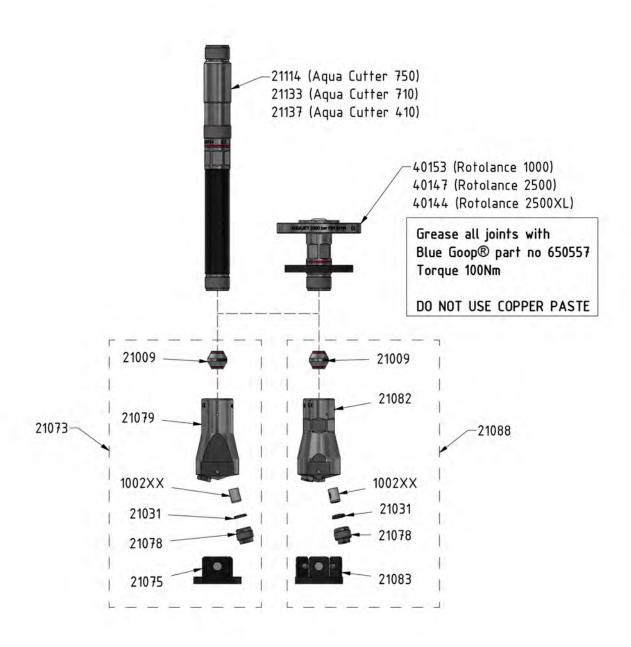
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* = add 1pcs 53643 (threaded sheet metal CC80)

Super Lance System



Dual and Triple nozzles



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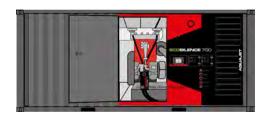
AQUAJET EQUIPMENT



Hydrodemolition robots



Aqua Rail Systems



Hydrodemolition high-pressure pumps



Wastewater treatment system





