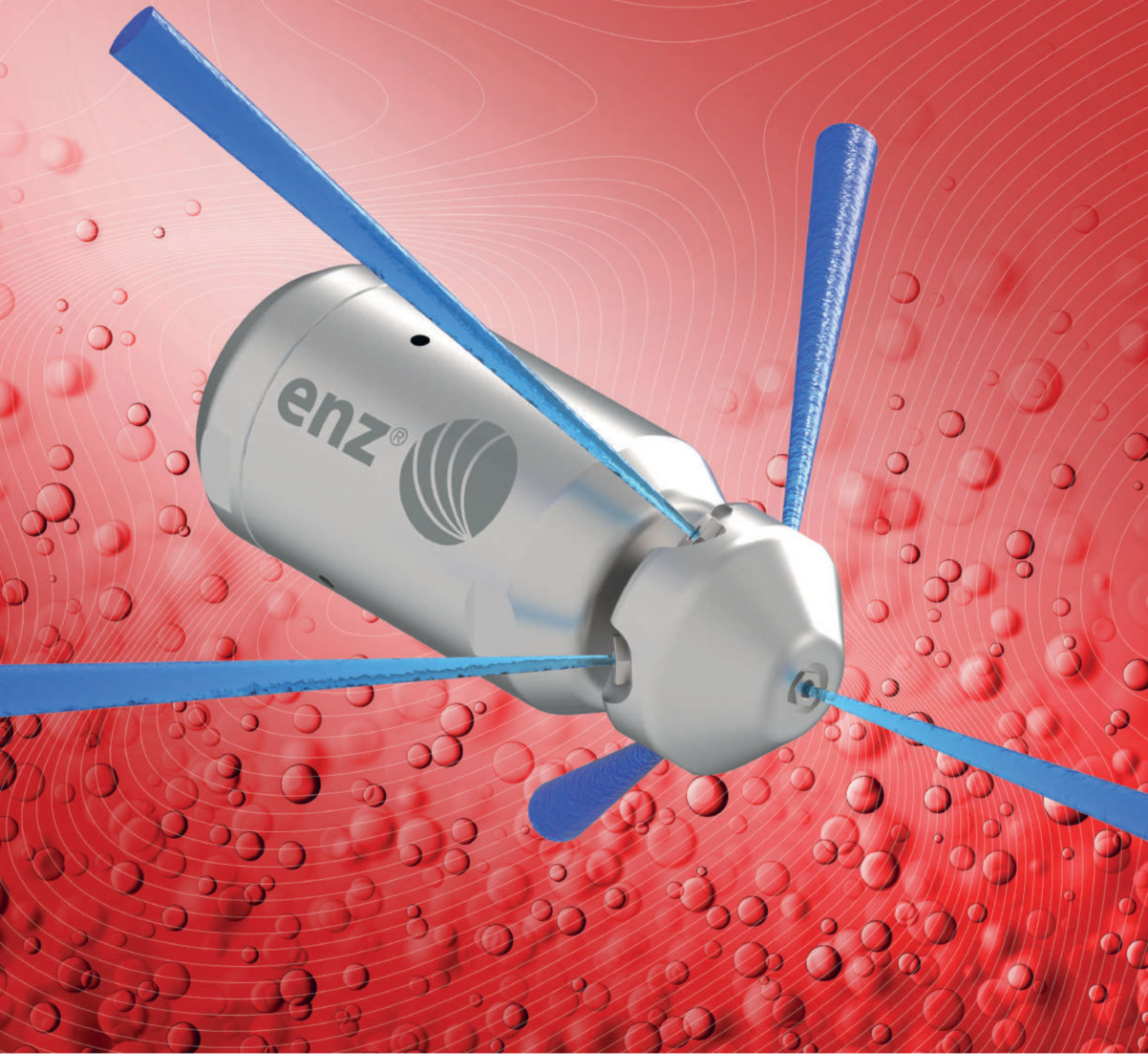


2026/27



Legend



Connecting thread (inch)



Application range (inch)



min. G/Min. at 1,450 psi | min. G/Min. at
14,500/22,000 psi



Rotating jet



Thrust jet



Front jet



Jet angle backward



Jet angle forward



Dimensions (inch)



Manual use



Automatic use



Weight (lb.)



Recycling



Maximum pressure (psi)

RGS nozzles

These enz® rotating nozzles feature four radial jets for thorough 360-degree cleaning. The thrust jets simultaneously provide forward propulsion and flush loosened debris out of all types of pipes and pipelines. The precise arrangement of the water jets on the rotor creates a controlled rotation, allowing the jets to impact the pipe wall with high force and efficiently remove deposits.

Applications

- Cleaning of drainage pipes
- Cleaning of lateral connections
- Removal of hard deposits



RGS nozzles 1/4" NPT - 1/2"



									
01.028N	1/4" NPT	2 - 4	5	4 x M4	3 x M4	*	1.1 x 2.2	0.44	5,000
01.040	1/2"	3 - 6	11	4 x M6	3 x M6	*	1.6 x 3.2	1.24	5,000
01.050A	1/2"	4 - 8	18	4 x M6	3 x M6	*	2.0 x 3.9	2.43	5,000

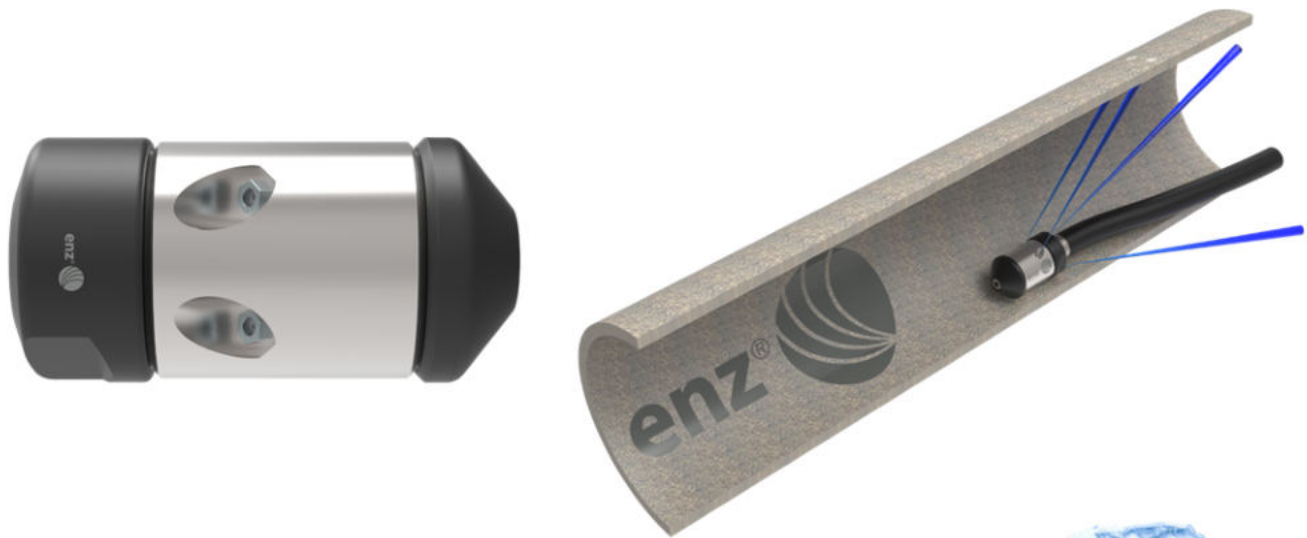
HRH nozzles

These enz® rotating nozzles are equipped with four cutting jets angled 45° backwards.

This well-engineered design ensures that the rotating jets simultaneously provide forward propulsion. As a result, water consumption is reduced without compromising cleaning performance. With sufficient water flow, the nozzles can optionally be fitted with additional thrust jets to ensure even greater pushing power over long distances.

Applications

- Pipe cleaning prior to CCTV inspections
- Removal of semi-hard lime scale deposits and cement slurry
- Removal of roots and fibrous debris up to approx. Ø 5 mm (Ø 0.2")



HRH nozzles 1/8" NPT - 1/4" NPT drilled



									
02.016A08N	1/8" NPT	1 - 2	3	2 x 0.8, 2 x 0.7	-	*	0.6 x 1.2	0.07	5,000
02.016A13N	1/8" NPT	1 - 2	4	2 x 1.3, 2 x 1.1	-	*	0.6 x 1.2	0.07	5,000
02.016B08N	1/4" NPT	1 - 2	3	2 x 0.8, 2 x 0.7	-	*	0.6 x 1.2	0.07	5,000
02.016B13N	1/4" NPT	1 - 2	4	2 x 1.3, 2 x 1.1	-	*	0.6 x 1.2	0.07	5,000

HRH nozzles 1/4" NPT - 1/2"



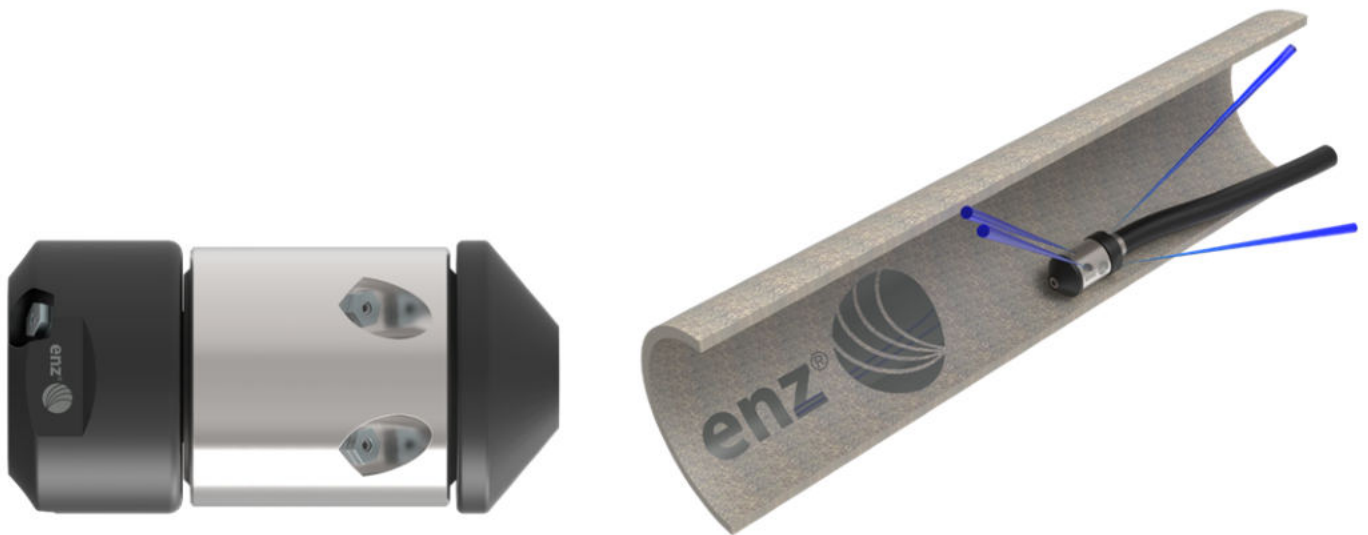
									
02.022BN	1/4" NPT	1 - 4	3	4 x M4	-	*	0.9 x 1.6	0.2	5,000
02.028AN	1/4" NPT	2 - 4	2	4 x M4	-	*	1.1 x 2.2	0.45	5,000
02.028ASN	1/4" NPT	2 - 4	3	4 x M4	3 x M4	*	1.1 x 2.2	0.45	5,000
02.028BN	3/8" NPT	2 - 4	2	4 x M4	-	*	1.1 x 2.2	0.45	5,000
02.040A	1/2"	3 - 6	4	4 x M6	-	*	1.6 x 3.2	1.24	5,000
02.040AS	1/2"	3 - 6	9	4 x M6	3 x M6	*	1.6 x 3.2	1.24	5,000
02.050A	1/2"	4 - 8	9	4 x M6	-	*	2.0 x 3.9	2.43	5,000
02.050AS	1/2"	4 - 8	9	4 x M6	3 x M6	*	2.0 x 3.9	2.43	5,000

HRV nozzles

These enz® HRV rotating nozzles feature four cutting jets angled 45° forward, along with an optional front jet. The front jet loosens deposits, while the rotor's semi-radial jets break them up and transport them forward. The forward movement of the nozzle is generated by the thrust jets in the stator, ensuring that cleaning and propulsion are perfectly coordinated.

Applications

- Flushing steel pipes after pipe jacking
- Flushing pipes from the house connection to the main line
- Removing ice in shafts and pipes



HRV nozzles 1/4" NPT - 1/2"



									
03.028N	1/4" NPT	2 - 4	8	4 x M4	3 x M4	*	1.1 x 2.2	0.45	5,000
03.040	1/2"	3 - 6	13	4 x M6	3 x M6	*	1.6 x 3.2	1.24	5,000
03.050A	1/2"	4 - 8	18	4 x M6	3 x M6	*	2.0 x 3.9	2.43	5,000

KBR nozzles

These enz® KBR rotating nozzles are ideal for pipe flushing and lateral connections at any angle. The rotor is equipped with two radial jets at a 90° angle and two rearward-directed semi-radial jets at a 45° angle. This combination reliably generates thrust while ensuring thorough all-around cleaning. With sufficient water volume, the nozzles can optionally be equipped with additional thrust jets to provide even more propulsion over long distances.

Applications

- Removal of plastic deposits
- Cleaning of heat exchangers
- Cleaning of grease deposits



KBR nozzles 1/8" NPT drilled



									
04.012B05N	1/8" NPT	0.5 - 1	1.6	4 x 0.5	-	-	0.5 x 1.0	0.03	5,000
04.012B06N	1/8" NPT	0.5 - 1	1.8	4 x 0.6	-	-	0.5 x 1.0	0.03	5,000
04.012B07N	1/8" NPT	0.5 - 1	2.4	4 x 0.7	-	-	0.5 x 1.0	0.03	5,000
04.012B09N	1/8" NPT	0.5 - 1	3.2	4 x 0.9	-	-	0.5 x 1.0	0.03	5,000
04.012B12N	1/8" NPT	0.5 - 1	4.2	4 x 1.2	-	-	0.5 x 1.0	0.03	5,000
04.016A07N	1/8" NPT	0.7 - 2.4	3	4 x 0.7	-	*	0.6 x 1.2	0.07	5,000
04.016A08N	1/8" NPT	0.7 - 2.4	4	4 x 0.80	-	*	0.6 x 1.2	0.07	5,000
04.016A09N	1/8" NPT	0.7 - 2.4	4.5	4 x 0.90	-	*	0.6 x 1.2	0.07	5,000
04.016A10N	1/8" NPT	0.7 - 2.4	5.5	4 x 1.00	-	*	0.6 x 1.2	0.07	5,000
04.016A11N	1/8" NPT	0.7 - 2.4	7	4 x 1.10	-	*	0.6 x 1.2	0.07	5,000
04.016AS0708N	1/8" NPT	0.7 - 2.4	5.5	4 x 0.70	3 x 0.80	*	0.6 x 1.2	0.1	5,000
04.016AS0808N	1/8" NPT	0.7 - 2.4	6.3	4 x 0.80	3 x 0.80	*	0.6 x 1.2	0.1	5,000

KBR nozzles 1/4" NPT drilled



									
04.016B04N	1/4" NPT	0.7 - 2.4	1.5	4 x 0.40	-	*	0.6 x 1.2	0.07	5,000
04.016B07N	1/4" NPT	0.7 - 2.4	3	4 x 0.70	-	*	0.6 x 1.2	0.07	5,000
04.016B08N	1/4" NPT	0.7 - 2.4	3.5	4 x 0.80	-	*	0.6 x 1.2	0.07	5,000
04.016B09N	1/4" NPT	0.7 - 2.4	4.5	4 x 0.90	-	*	0.6 x 1.2	0.07	5,000
04.016B10N	1/4" NPT	0.7 - 2.4	5.5	4 x 1.00	-	*	0.6 x 1.2	0.07	5,000
04.016B11N	1/4" NPT	0.7 - 2.4	6.5	4 x 1.10	-	*	0.6 x 1.2	0.07	5,000
04.016BS0708N	1/4" NPT	0.7 - 2.4	5.5	4 x 0.70	3 x 0.80	*	0.6 x 1.2	0.1	5,000
04.016BS0808N	1/4" NPT	0.7 - 2.4	5.5	4 x 0.80	3 x 0.80	*	0.6 x 1.2	0.1	5,000
04.016BS0813N	1/4" NPT	0.7 - 2.4	9.5	4 x 0.8	3 x 1.3	*	0.6 x 1.3	0.1	5,000

KBR nozzles 1/4" NPT

									
04.028AN	1/4" NPT	1 - 4	3	4 x M4	-	*	1.1 x 2.2	0.44	5,000
04.028ASN	1/4" NPT	1 - 4	3	4 x M4	3 x M4	*	1.1 x 2.2	0.44	5,000

KBR nozzles 3/8" NPT

									
04.028BN	3/8" NPT	1 - 4	3	4 x M4	-	*	1.1 x 2.2	0.44	5,000

KBR nozzles 1/2"

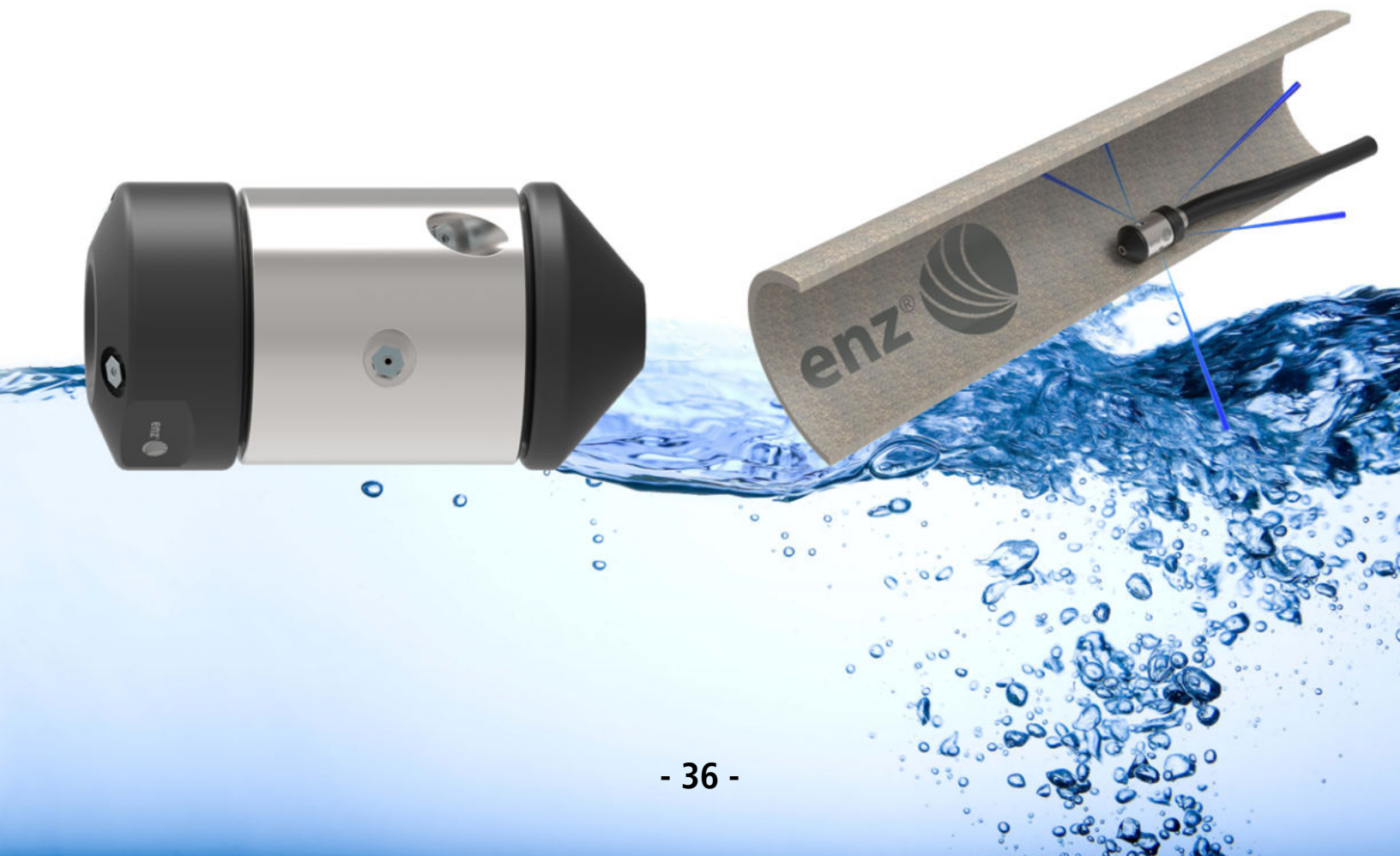
									
04.040A	1/2"	3 - 6	5	4 x M6	-	*	1.6 x 3.2	1.2	5,000
04.040AS	1/2"	3 - 6	11	4 x M6	3 x M6	*	1.6 x 3.2	1.2	5,000
04.050A	1/2"	4 - 8	18	4 x M6	-	*	2.0 x 3.9	2.4	5,000
04.050AS	1/2"	4 - 8	18	4 x M6	3 x M6	*	2.0 x 3.9	2.4	5,000

KBRV nozzles

These enz® KBRV rotating nozzles feature two forward-directed semi-radial jets at 45° and two radial jets at 90°, which requires the nozzle to be equipped with thrust. Thanks to this jet arrangement, the loosened deposits are flushed forward.

Applications

- Removal of plastic deposits
- Cleaning of heat exchangers
- Cleaning of grease deposits
- Flushing of service pipes from the house connection to the main line



KBRV nozzles 1/8" NPT - 1/4" NPT



										
04.016AV07N	1/8" NPT	0.7 - 2.4	1.5	4 x 0.70	-	*	0.6 x 1.2	0.06		5,000
04.016AV08N	1/8" NPT	0.7 - 2.4	3	4 x 0.80	-	*	0.6 x 1.2	0.06		5,000
04.016AV09N	1/8" NPT	0.7 - 2.4	4	4 x 0.90	-	*	0.6 x 1.2	0.06		5,000
04.016AV10N	1/8" NPT	0.7 - 2.4	4.5	4 x 1.00	-	*	0.6 x 1.2	0.06		5,000
04.016AV11N	1/8" NPT	0.7 - 2.4	6.5	4 x 1.10	-	*	0.6 x 1.2	0.06		5,000
04.016AVS07N	1/8" NPT	0.7 - 2.4	6	4 x 0.70	3 x 0.80	*	0.6 x 1.2	0.06	-	5,000
04.016BV07N	1/4" NPT	0.7 - 2.4	1.5	4 x 0.70	-	*	0.6 x 1.2	0.06		5,000
04.016BV08N	1/4" NPT	0.7 - 2.4	3	4 x 0.80	-	*	0.6 x 1.2	0.06		5,000
04.016BV09N	1/4" NPT	0.7 - 2.4	4	4 x 0.90	-	*	0.6 x 1.2	0.06		5,000
04.016BV10N	1/4" NPT	0.7 - 2.4	4.5	4 x 1.00	-	*	0.6 x 1.2	0.06		5,000
04.016BV11N	1/4" NPT	0.7 - 2.4	6.5	4 x 1.10	-	*	0.6 x 1.2	0.06		5,000
04.016BVS07N	1/4" NPT	0.7 - 2.4	6	4 x 0.70	3 x 0.80	*	0.6 x 1.2	0.06	-	5,000
04.016BVS08N	1/4" NPT	0.7 - 2.4	6	4 x 0.80	3 x 0.80	*	0.6 x 1.2	0.06	-	5,000

KBRV nozzles 1/4" NPT - 1/2"



									
04.028AVN	1/4" NPT	1 - 4	5	4 x M4	3 x M4	*	1.1 x 2.2	0.45	5,000
04.040AV	1/2"	3 - 6	8	4 x M6	3 x M6	*	1.6 x 3.2	1.19	5,000
04.050AV	1/2"	4 - 8	18	4 x M6	3 x M6	*	2.0 x 3.9	2.43	5,000

Bulldog 30 - 37

The enz® Bulldog® rotating nozzle has been designed for operation with recycling water and fresh water. The cleverly built sliding bearing allows the use of every kind of recycled water. An integrated oil-free braking system results in a low wear and tear operation and in controlled numbers of rotation. In this way a most efficient and economic pipe cleaning is achieved. The bore of the nozzle insert determines the admissible size of the dirt particles up to a maximum of Ø 1mm (0.04").

Advantages

- Easy to handle
- The tool is practically maintenance-free

Applications

- To remove fat, roots and harder incrustations
- For operation with recycling water and fresh water



Bulldog 30 1/4" NPT - 3/8" NPT

										
400.030AN	1/4" NPT	1.4 - 3.1	6.6	4 x M6	-	1 x M4	1.24 x 3.0	0.8	ok	5,000
400.030BN	3/8" NPT	1.4 - 3.1	6.6	4 x M6	-	1 x M4	1.24 x 3.0	0.8	ok	5,000

Bulldog 37 low flow 3/8" NPT - 1/2"

											
408.037	1/2"	1.6 - 4	6.5	50°: 2 x M6	-	1x M6	15°	1.5 x 3.4	0.97	ok	5,000
408.037BN	3/8" NPT	1.6 - 4	6.5	50°: 2 x M6	-	1 x M6	15°	1.5 x 3.5	1.01	ok	5,000

Bulldog 37 1/2"

												
400.037	1/2"	1.6 - 5	13	30°: 6 x M6	-	1 x M6		15°	1.5 x 3.4	0.93	ok	2,900
400.037S	1/2"	1.6 - 5	24	30°: 6 x M6	3 x M4	1 x M6	25°	15°	1.5 x 3.4	0.93	ok	2,900

Bulldog 37 with skid 1/2"

												
401.037	1/2"	3 - 8	11	80°: 3 x M6	-	-			2.4 x 4.8	1.59	ok	5,000
401.037S	1/2"	3 - 8	16	80°: 3 x M6	3 x M4	-	25°		2.4 x 4.8	1.59	ok	5,000
404.037	1/2"	3 - 8	13	30°: 3 x M6, 80°: 3 x M6	-	-			2.4 x 4.8	1.59	ok	5,000
404.037S	1/2"	3 - 8	21	30°: 3 x M6, 80°: 3 x M6	3 x M4	-	25°		2.4 x 4.8	1.59	ok	5,000
406.037	1/2"	3 - 8	17	30°: 6 x M6	-	2 x M4		30°/15°	2.4 x 4.8	1.59	ok	5,000
406.037S	1/2"	3 - 8	22	30°: 6 x M6	3 x M4	2 x M4	25°	30°/15°	2.4 x 4.8	1.59	ok	5,000

Accessory and wearing parts Bulldog 30 - 37

						
00100.030101		Head Bulldog 30 without inserts			1.1 x 0.78	0.12
00100.037101		Head Bulldog 1/2"			1.3 x 0.8	0.18
00100.037107		Head Bulldog 1/2" 3x2			1.3 x 0.8	0.13
00100.037104		Head KBR Bulldog 37			1.3 x 1.2	0.23
00100.03720		Cage for Bulldog 37	1/2"	3 - 8	2.4 x 3.1	0.58

Manhole nozzles

The enz® manhole nozzles are specifically designed for cleaning shafts and vertical pipes. The forward facing water jets provide circumferential cleaning without stripes. The nozzles are self-centering during operation and do not have protruding parts that can cause the nozzle to become wedged on the access ladder. They clean with a front jet on the floor and require little space in the cleaning vehicle. Additional advantages include the manhole nozzles having no water loss from leaks and require practically no maintenance. The arduous cleaning with a hand nozzle or a lance is history with the manhole nozzle. Likewise, conical shafts can be cleaned easily.

Advantages

- Circumferential cleaning of vertical pipes such as shafts or fountains
- Thorough cleaning even of very deep shafts





Manhole nozzles 1/2"



										
403.060A	1/2"	3.9 - 59	26	6 x M8	-	2 x M8	2.4 x 6.1	4.56	ok	2,900

Rotopuls vibration nozzles

The enz® Rotopuls vibration nozzle is provided with an eccentrically supported rotor, which produces very fast vibrations and pulsating jets. The resulting pulsations become as strong that deposits up to 10 cm (4") thickness are disintegrated. Thanks to the application of the Rotopuls nozzle, the more expensive work with the cutting tools or with the chain flail head can be avoided in many cases.

Important: Rotopuls nozzles develop strong mechanical impacts and vibrations. This can possibly cause damage in some sort of pipes (e.g. earthenware pipes, thinwalled plastic pipes or badly-bedded PVC pipes).

Applications

- The Rotopuls nozzles are conceived to remove middle-hard deposits in pipes of plastic, steel or concrete



Rotopuls vibration nozzles 1/8" NPT - 1/4" NPT



									
04.016ANE06	1/8" NPT	2 - 4	2.4	4 x 0.6	-	*	0.8 x 1.1	0.06	5,000
04.016ANE08	1/8" NPT	2 - 4	4	4 x 0.8	-	*	0.8 x 1.1	0.06	5,000
04.016ANE10	1/8" NPT	2 - 4	4	4 x 1.0	-	*	0.8 x 1.1	0.06	5,000
04.016ANES08	1/8" NPT	2 - 4	7	4 x 0.8	3 x 0.8	*	0.8 x 1.2	0.06	5,000
04.016ANES10	1/8" NPT	2 - 4	7	4 x 1.0	3 x 0.8	*	0.8 x 1.2	0.06	5,000
04.016BNE08	1/4" NPT	2 - 4	4	4 x 0.8	-	*	0.8 x 1.1	0.06	5,000
04.016BNE10	1/4" NPT	2 - 4	4	4 x 1.0	-	*	0.8 x 1.1	0.06	5,000
04.016BNES08	1/4" NPT	2 - 4	7	4 x 0.8	3 x 0.8	*	0.8 x 1.2	0.06	5,000
04.016BNES10	1/4" NPT	2 - 4	7	4 x 1.0	3 x 1.0	*	0.8 x 1.2	0.06	5,000

Rotopuls vibration nozzles 1/4" NPT - 1/2"



									
01.028ANE	1/4" NPT	2 - 4	3	2 x M4	3 x M4	*	1.1 x 2.2	0.42	5,000
02.028BNE	3/8" NPT	1 - 4	2	2 x M4	-	*	1.1 x 2.4	0.44	5,000
04.040AE	1/2"	3 - 6	5	4 x M4	3 x M6	*	1.6 x 3.2	1.16	5,000
04.050AE	1/2"	4 - 8	18	4 x M6	3 x M6	*	2.0 x 3.8	2.16	5,000

Rotopuls vibration nozzles 1/4" NPT - 1/2"



									
01.030ANE	1/4" NPT	2 - 4	3	2 x M4	3 x M4	-	1.2 x 2.0	0.33	5,000
01.034ANE	3/8" NPT	1.8 - 6	5	2 x M4	3 x M4	*	1.3 x 2.3	0.49	5,000
01.034BE	1/2"	1.8 - 6	5	2 x M4	3 x M4	*	1.3 x 2.3	0.49	5,000
04.044AE	1/2"	3 - 6	5	4 x M4	3 x M6	*	1.7 x 3.6	1.32	5,000



									
04.044NE	3/8" NPT	3 - 6	5	4 x M4	3 x M6	*	1.7 x 3.6	1.32	5,000

Accessory and wearing parts Rotopuls



				
004.0444E		Centre spire for ROTOPULS 04.044AE	0.5 x 1.2	0.04

Turbopuls vibration nozzles

The underlying technology of the enz® Turbopuls vibration nozzle is an off-center rotor, which generates very fast vibrations. The turbine wheel drive enables all Turbopuls nozzles to be operated with recycled water. The vibrations cause deposits to loosen or break up into fragments. When Turbopuls nozzles are used, a cutter is usually not required.

Important: Turbopuls nozzles develop strong impacts and vibrations. This can possibly cause damage in some sort of pipes (such as clay pipes, thin-walled plastic pipes, fragile concrete pipes, or PVC pipes).

Applications

- Turbopuls nozzles are designed to remove very hard deposits in plastic, steel, or concrete pipes.



Turbopuls 60 1/2"



									
410.060A	1/2"	4 - 8	16	1 x M6	3 x M8	2.5 x 7.1	5.29	ok	2,900

Turbopuls 80 1/2"



									
410.080A	1/2"	6 - 12	21	1 x M6	3 x M8	3.1 x 8.3	9.48	ok	2,900

Turbopuls 100 1/2"



									
410.080A-G	1/2"	6 - 12	21	1 x M6	3 x M8	3.9 x 8.3	9.48	ok	2,900

Accessory and wearing parts Turbopuls



				
00410.08010		Pointed center for Turbopuls 2.5" and 3.1"	0.6 x 2.4	0.15

				
258.10		Pulling eye for Turbopuls 2.5" and 3.1"		0.008
410.0805		Impact head standard for Turbopuls 80	3.1 x 2.1	2.5
410.08052		Impact head for Turbopuls 100	4.1 x 2.1	2.5

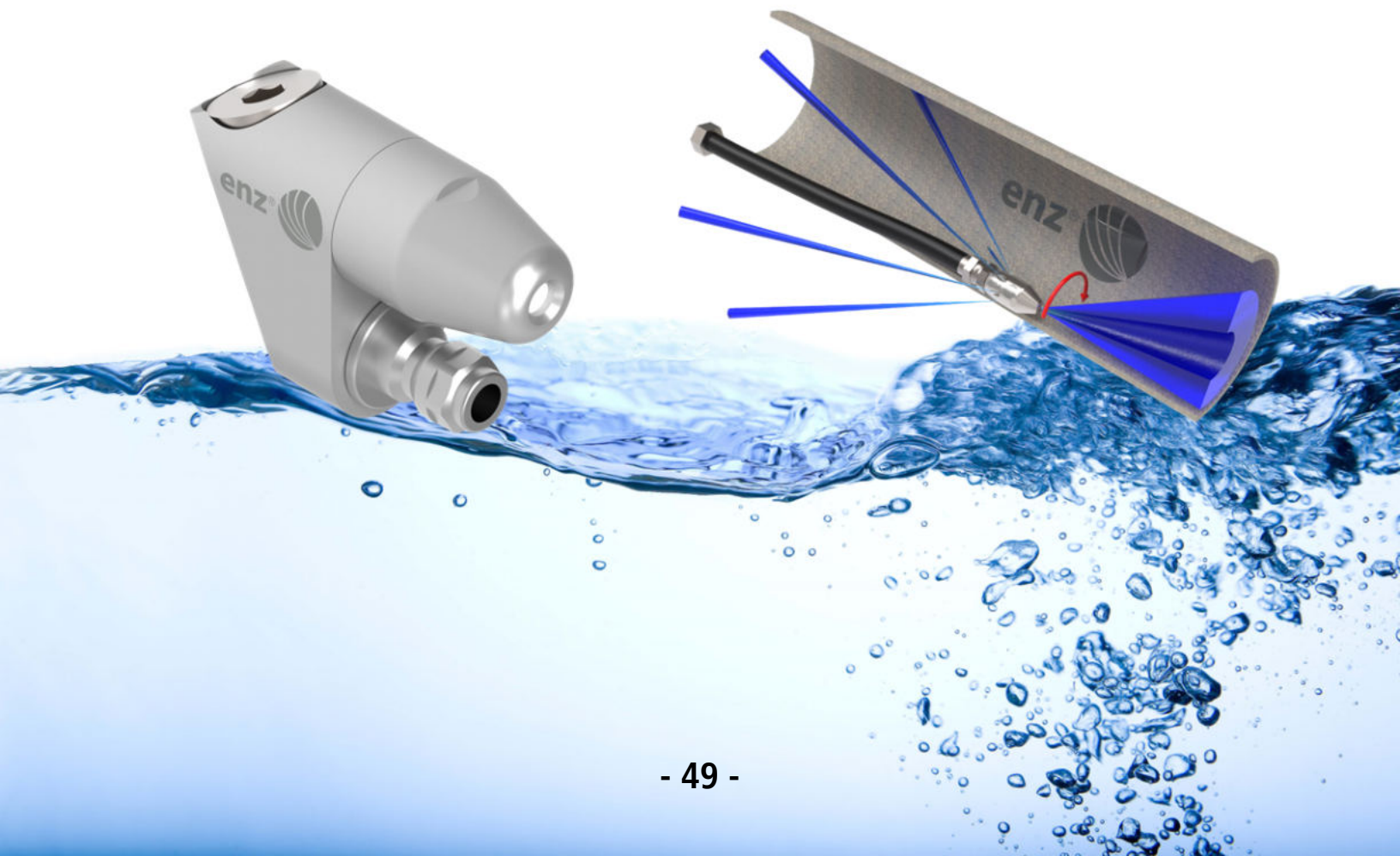
Rotodrill

The Rotodrill is a universal pipe cleaning nozzle suitable for pipe diameters between 1.6" and 10", depending on the design. Its special feature: Thanks to its cone-shaped rotating front jet, the Rotodrill mills through the clog in one operation. At the same time, most of the available water volume pushes the Rotodrill forward and transports the dirt out of the pipe. Customized repair kits allow for quick, easy maintenance.

In the Rotodrill REV (Reverse), the rotating jet is directed backwards. This allows deposits to be flushed efficiently out of the pipe. The pipe wall is cleaned at the same time.

Applications

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



Rotodrill 1/8" NPT - 1/4" NPT

										
36.025ANS	1/8" NPT	1.6 - 4	4.8	3 x 1.0	1 x 0.90	7°	12°	0.9 x 1.5	0.1	2,900
36.025BNS	1/4" NPT	1.6 - 4	4.8	3 x 1.0	1 x 0.90	7°	12°	0.9 x 1.5	0.1	2,900

Reverse Rotodrill 1/4" NPT - 3/8" NPT

										
36.025NiREV	1/4" NPT	3 - 6	1.5	1 x 0.90 - 1.80	-	25°	-	2.7 x 4.1	0.57	5,000
36.038NiREV	3/8" NPT	3 - 6	1.5	1 x 0.90 - 1.80	-	25°	-	2.7 x 4.1	0.57	5,000

Rotodrill 3/8" NPT - 1/2"

										
36.038N	3/8" NPT	2 - 6	6.6	6 x M4	1 x 0.90 - 1.80	15°	7°	1.3 x 2.6	0.66	5,000
36.050	1/2"	2 - 6	6.6	6 x M4	1 x 0.90 - 1.80	15°	7°	1.3 x 2.4	0.44	5,000

Wearing parts Rotodrill



				
66.36025-090		Repair Set for Rotodrill 36.025xNS	Ø 0.90	0.022
66.36025-150		Repair Set for Reverse Rotodrill 36.025xREV-150 / 36.025xNiREV-150	Ø 1.50	0.022
66.21040-020		Repair Set for Rotodrill 36.0xxx / 36.0xxNiREV	Ø 0.90	0.06
66.21040-040		Repair Set for Rotodrill 36.0xxx / 36.0xxNiREV	Ø 1.20	0.06
66.21040-060		Repair Set for Rotodrill 36.0xxx / 36.0xxNiREV	Ø 1.50	0.06
66.21040-080		Repair Set for Rotodrill 36.0xxx / 36.0xxNiREV	Ø 1.80	0.06

Maintenance tools & accessories Rotodrill



				
19.M025F025NFIX		Adapter G 1/4" - 1/4" NPT	G 1/4" - 1/4" NPT	0.11
19.M025MST-245		Quick connect adapter	M 1/4 - ST-245	0.03
L.36.503		Assembly aid for O-ring for Rotodrill		0.07
W.36.503		Mounting aid for ceramic for Rotodrill		0.09