

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



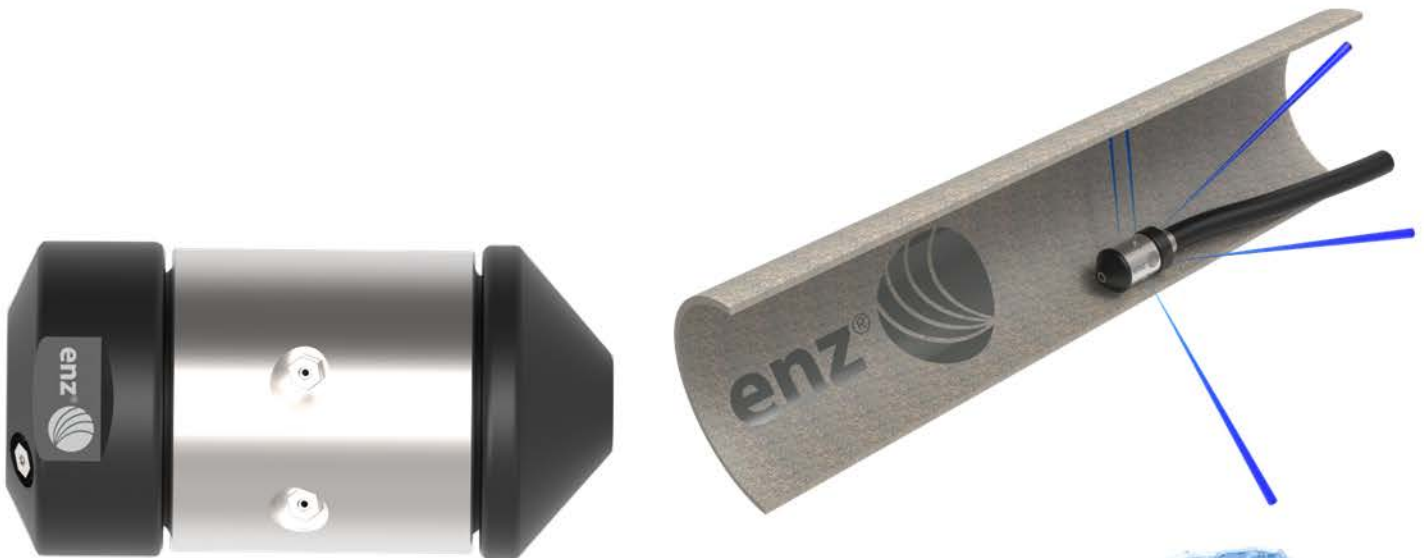
Maximum pressure (psi)

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 1/4"



									
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
01.050B	3/4"	4 - 8	18	4 x M6	3 x M6	*	2.0 x 3.9	2.43	3,600
01.060	1"	4 - 12	26	4 x M8	3 x M8	*	2.4 x 4.4	3.53	3,600
01.100A	1"	8 - 24	53	4 x M10	3 x M10	*	2.9 x 7.1	16.31	3,600
01.100B	1 1/4"	8 - 24	53	4 x M10	3 x M10	*	3.9 x 7.1	16.31	3,600

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 - 3/4"



									
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
02.050B	3/4"	4 - 8	8	4 x M6	-	*	2.0 x 3.9	2.43	3,600
02.050BS	3/4"	4 - 8	9	4 x M6	3 x M6	*	2.0 x 3.9	2.43	3,600

HRH nozzles 1" - 1 1/4"



									
02.060	1"	4 - 12	16	4 x M8	3 x M8	*	2.4 x 4.4	3.53	3,600
02.100A	1"	8 - 24	53	4 x M10	3 x M10	*	2.9 x 7.1	16.31	3,600



									
02.100B	1 1/4"	8 - 24	53	4 x M10	3 x M10	*	3.9 x 7.1	16.31	3,600

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 1/4"



									
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
03.050B	3/4"	4 - 8	18	4 x M6	3 x M6	*	2.0 x 3.9	2.43	3,600
03.060	1"	4 - 12	26	4 x M8	3 x M8	*	2.4 x 4.4	3.53	3,600
03.100A	1"	8 - 24	53	4 x M10	3 x M10	*	3.9 x 7.1	16.31	3,600
03.100B	1 1/4"	8 - 24	53	4 x M10	3 x M10	*	3.9 x 7.1	16.31	3,600

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

KBR nozzles 3/4"

									
04.050B	3/4"	4 - 8	18	4 x M6	-	*	2.0 x 3.9	2.4	3,600
04.050BS	3/4"	4 - 8	18	4 x M6	3 x M6	*	2.0 x 3.9	2.4	3,600

KBR nozzles 1" - 1 1/4"



									
04.060	1"	4 - 12	21	4 x M8	3 x M8	*	2.4 x 4.4	3.53	3,600
04.100A	1"	8 - 24	53	4 x M10	3 x M10	*	3.9 x 6.9	16.09	3,600
04.100B	1 1/4"	8 - 24	53	4 x M10	3 x M10	*	3.9 x 6.9	16.09	3,600

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" - 1/4"

										
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" - 1 1/4"

									
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
04.050BV	3/4"	4 - 8	18	4 x M6	3 x M6	*	2.0 x 3.9	2.43	3,600
04.060V	1"	4 - 12	26	4 x M8	3 x M8	*	2.4 x 4.4	3.53	3,600
04.100AV	1"	8 - 24	53	4 x M10	3 x M10	*	3.9 x 6.9	16.09	3,600
04.100BV	1 1/4"	8 - 24	53	4 x M10	3 x M10	*	3.9 x 6.9	16.09	3,600

Bulldog 30 - 100

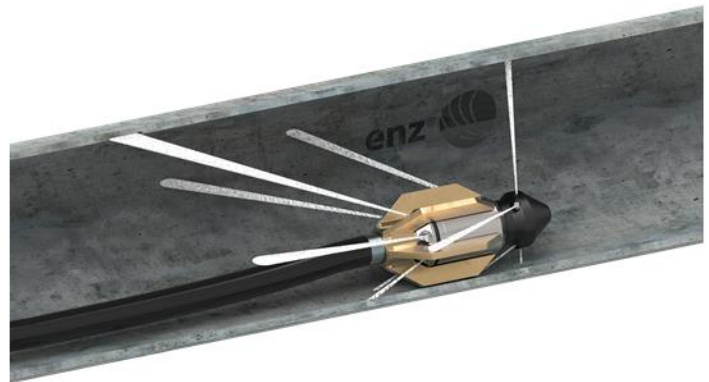
The enz® Bulldog® rotating nozzle has been designed for operation with recycling water and fresh water. The cleverly built sliding bearing allows the use of every kind of recycled water. An integrated oil-free braking system results in a low wear and tear operation and in controlled numbers of rotation. 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

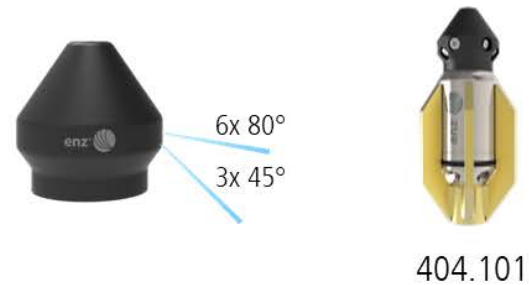
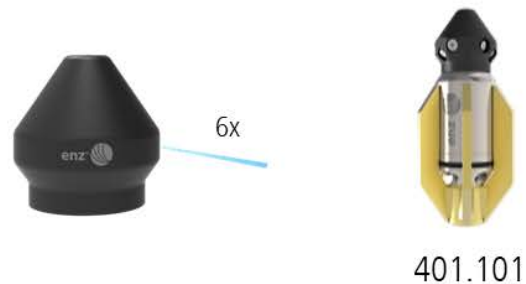
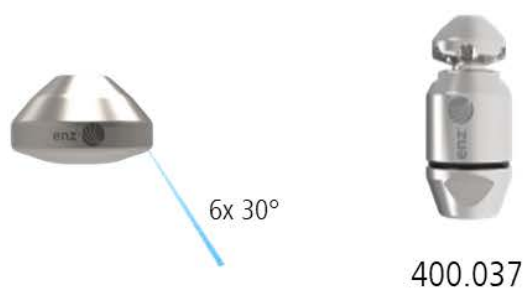
Spécifications

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



Bulldog 30 - 37 | 40x.03x

Bulldog 100 | 40x.101



Bulldog 30 1/4" - 3/8"

										
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" - 3/4"

												
401.037	1/2"	3 - 8	11	80°: 3 x M6	-	-			2.4 x 4.8	1.59	ok	5,000
401.037CS	3/4"	3 - 8	16	80°: 3 x M6	3 x M4	-	25°		2.4 x 4.8	1.72	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
404.037CS	3/4"	3 - 8	21	30°: 3 x M6, 80°: 3 x M6	3 x M4	-	25°		2.4 x 4.8	1.72	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
406.037CS	3/4"	3 - 8	22	30°: 6 x M6	3 x M4	2 x M4	25°	30°/15°	2.4 x 4.8	1.72	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
00100.03720B		Cage for Bulldog 37	3/4"	3 - 8	2.35 x 3.1	0.70

Bulldog 60 3/4" - 1"

											
400.060A	3/4"	4 - 12	26	6 x M8	6 x M8	1 x M8	15°	2.4 x 6.0	4.63	ok	2,900
400.060B	1"	4 - 12	26	6 x M8	6 x M8	1 x M8	15°	2.4 x 6.0	4.63	ok	2,900

Bulldog 80 1"

											
404.080HS100	1"	5 - 16	53	6 x M10	6 x M8	1 x M10	15°	3.9 x 8.7	8.16	ok	2,900
404.080HS150	1"	7 - 16	53	6 x M10	6 x M8	1 x M10	15°	5.9 x 10.2	12.72	ok	2,900

Accessory and wearing parts Bulldog 60 - 80 3/4" - 1"

							
100.060300		Scissors skid	3/4"	12 - 32	12 - 43 x 30	19.6	5,000
100.060300P		Scissors skid with polyurethane wheels	3/4"	12 - 43	12 - 43 x 30	22.2	5,000
100.060300JP		Scissors skid with polyurethane wheels	3/4"	12 - 43	12 - 43 x 30	21.4	5,000
100.060300JS		Scissors skid with steel wheels + hand lever	3/4"	12 - 43	12 - 43 x 30	20.4	5,000
100.060300J		Scissors skid with hand lever	3/4"	12 - 43	12 - 43 x 30	18.8	5,000

							
100.0603005		Scissors skid with steel wheels	3/4"	12 - 43	12 - 43 x 30	21.2	5,000
00100.0807		Skid guidance for Bulldog 80 / 60	1"	5 - 16	3.9 x 5.3	2.4	
00100.0808		Skid guidance for Bulldog 80/60	1"	7 - 16	5.9 x 7.1	6.3	
00400.0605		Head Bulldog 60			2.0 x 1.7	0.71	
00402.0805-4		Head HRH Bulldog 80			2.5 x 2.1	1.48	
00404.0805-12		Head KBR Bulldog 80			2.5 x 2.1	1.52	
00100.08073		Thrust stop with O-Ring and screw				0.09	

Bulldog 100 1" - 1 1/4"

											
400.101A	1"	10 - 24	53	35°: 3 x M10, 90°: 2 x M10	6 x M10	1 x M10	15°	5.1 x 10.2	15.87	ok	2,900
400.101B	1 1/4"	10 - 24	53	35°: 3 x M10, 90°: 2 x M10	6 x M10	1 x M10	15°	5.1 x 10.2	15.87	ok	2,900
401.101AS	1"	10 - 24	53	80°: 6 x M10	6 x M10	1 x M10	15°	5.1 x 10.2	15.87	ok	2,900
401.101BS	1 1/4"	10 - 24	53	80°: 6 x M10	6 x M10	1 x M10	15°	5.1 x 10.2	15.87	ok	2,900
404.101AS	1"	10 - 24	53	80°: 3 x M10, 45°: 3 x M10	6 x M10	1 x M10	15°	5.1 x 10.2	15.87	ok	2,900
404.101BS	1 1/4"	10 - 24	53	80°: 3 x M10, 45°: 3 x M10	6 x M10	1 x M10	15°	5.1 x 10.2	15.87	ok	2,900

Accessory and wearing parts Bulldog 100 1" - 1 1/4"



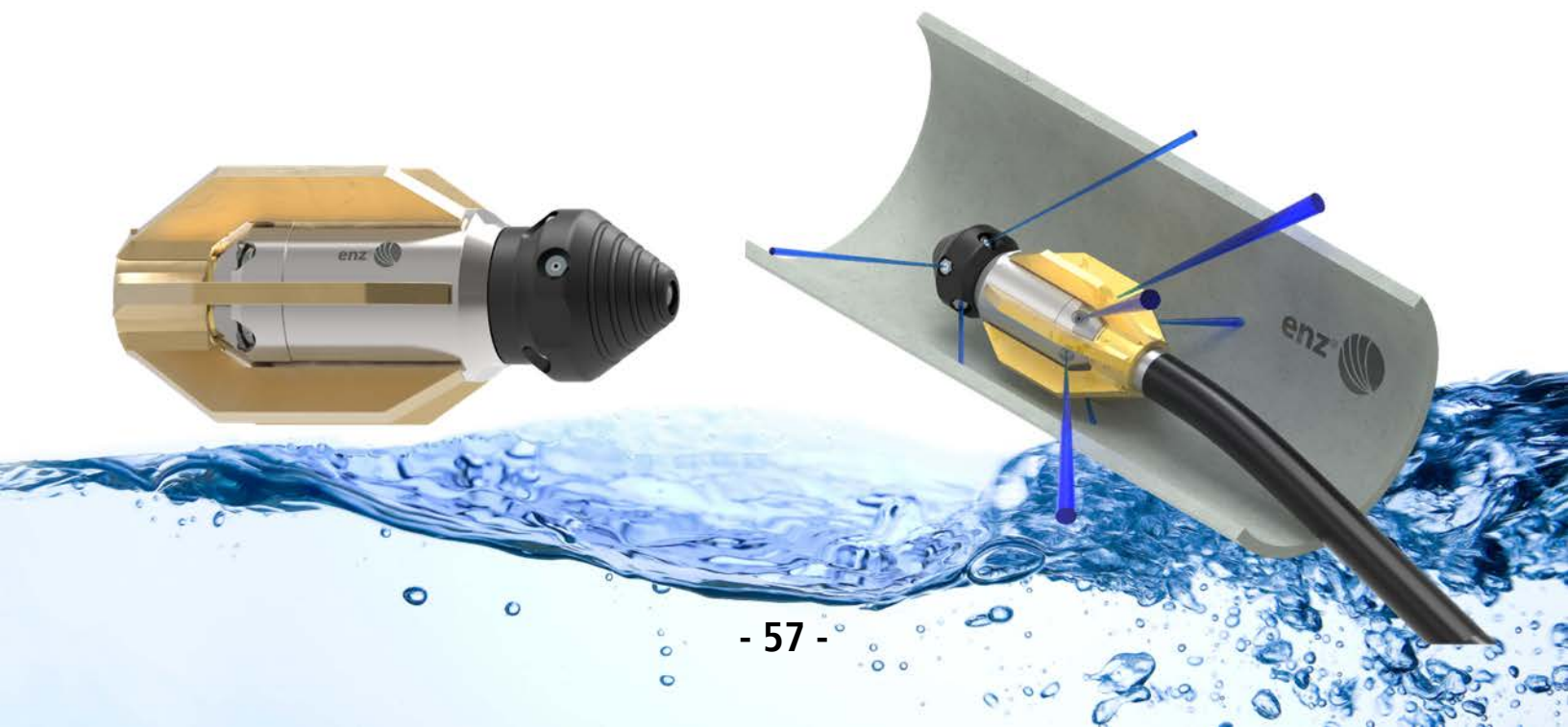
00400.1014		Head KBR Bulldog 100			3.1 x 3.0	2.7
00400.1015		Head RGS Bulldog 100			3.0 x 3.0	2.4
100.1004RA		Cage 16'	1 1/4" m -> 1" f	16 - 39	15.0 x 22.8	22.05
100.1004RB		Cage 16"	1 1/4" m -> 1 1/4" f	16 - 39	15.0 x 22.8	22.05
100.1019A		BULLDOG Skids for cage 400.100 8"	1 1/4" - 1" f	10 - 31	7.9 x 11.4	11
100.1019B		BULLDOG Skids for cage 400.100	1 1/4" - 1 1/4" f	10 - 31	7.9 x 11.4	10.7
100.10073		Thrust stop with O-Ring and screw				0.086
00100.1017B		Skid guidance 5/4" Bulldog 100 mm	1" - 1 1/4"	8 - 23	6.5 x 5.3	5.0
00100.1017A		Skid guidance 1" for Bulldog 100mm	1" - 1 1/4"	8 - 23	6.5 x 5.3	5.1

Bulldog 80 - 100 Antiblast

Cleaning work near domestic installations can create pressure peaks due to the vacuum in front of the nozzle and the overpressure behind it, which may lead to pressure equalization through sanitary connections. The Bulldog® Antiblast specifically reduces these pressure differences, thereby minimizing the risk of water escaping through connected sanitary installations. The Bulldog® Antiblast was developed and tested by enz® in collaboration with a renowned technical institute and meets high standards for functionality and cleaning performance.

Advantages

- No pressure equalization through traps or toilets
- Excellent streak-free all-around cleaning
- Maintenance-free and suitable for recycled water
- Proven design
- Very easy to adjust to pump performance



Bulldog Antiblast 80 - 100 1" - 1 1/4"



											
600.080	1"	5 - 16	48	6 x M10	6 x M8	1 x M10	15°	3.9 x 8.1	9.39	ok	1,150
600.100A	1"	6 - 24	53	6 x M10	6 x M10	1 x M10	15°	5.1 x 10.2	16.76	ok	1,150
600.100B	1 1/4"	6 - 24	53	6 x M10	6 x M10	1 x M10	15°	5.1 x 10.2	16.76	ok	1,150

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" - 3/4"



										
403.060A	1/2"	3.9 - 59	26	6 x M8	-	2 x M8	2.4 x 6.1	4.56	ok	2,900
403.060B	3/4"	3.9 - 59	26	6 x M8	-	2 x M8	2.4 x 6.1	4.56	ok	2,900

Manhole nozzles 1"



										
01.100LS	1"	24 - 59	26	4 x M10	-	*	3.9 x 7.0	16.09		3,600

Manhole nozzles 1" - 1 1/4"



											
401.101A	1"	10 - 79	40	6 x M10	-	1 x M10	15°	5.1 x 10.2	15.87	ok	2,900
401.101B	1 1/4"	10 - 79	40	6 x M10	-	1 x M10	15°	5.1 x 10.2	15.87	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 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 nozzles 1/4" NPT - 1 1/4"



									
01.028ANE	1/4" NPT	2 - 4	3	2 x M4	3 x M4	*	1.1 x 2.2	0.42	5,000
01.030ANE	1/4" NPT	2 - 4	3	2 x M4	3 x M4	-	1.2 x 2.0	0.33	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
04.050BE	3/4"	4 - 8	18	4 x M6	3 x M6	*	2.0 x 3.8	2.16	3,600
04.060EK	1"	4 - 12	26	4 x M6	3 x M8	*	2.4 x 4.4	3.53	3,600
04.100BE	1 1/4"	8 - 24	53	4 x M10	3 x M10	*	3.9 x 6.9	15.87	3,600

Rotopuls 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" - 3/4"



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

Turbopuls 80 1/2" - 3/4"



									
410.080A	1/2"	6 - 12	21	1 x M6	3 x M8	3.1 x 8.3	9.48	ok	2,900
410.080B	3/4"	6 - 12	21	1 x M6	3 x M8	3.1 x 8.3	9.48	ok	2,900

Turbopuls 100 1/2" - 3/4"



									
410.080A-G	1/2"	6 - 12	21	1 x M6	3 x M8	3.9 x 8.3	9.48	ok	2,900
410.080B-G	3/4"	6 - 12	21	1 x M6	3 x M8	3.9 x 8.3	9.48	ok	2,900

Turbopuls 120 1" - 1 1/4"



										
410.120A	1"	8 - 39	40	1 x M8	6 x M10	-	4.7 x 12.6	31.97	ok	2,900
410.120B	1 1/4"	8 - 39	40	1 x M8	6 x M10	-	4.7 x 12.6	31.97	ok	2,900

Turbopuls 120 with soft impact head 1" – 1 1/4"



										
410.120A-W	1"	8 - 39	40	1 x M8	6 x M10	-	4.7 x 12.6	31.97	ok	2,900
410.120B-W	1 1/4"	8 - 39	40	1 x M8	6 x M10	-	4.7 x 12.6	31.97	ok	2,900

Turbopuls 150 1" – 1 1/4"



										
410.120A-G	1"	7.9 - 39.4	39.6	1 x M8	6 x M10	-	5.8 x 13.4	33.4	ok	2,900
410.120B-G	1 1/4"	7.9 - 39.4	39.6	1 x M8	6 x M10	-	5.8 x 13.0	33.3	ok	2,900

Accessory and wearing parts Turbopuls



								
00410.08010		Pointed center for Turbopuls 60 and 80				0.6 x 2.4	0.15	
00410.12010		Pointed center for Turbopuls 120 and 150				0.8 x 2.8	0.27	
258.10		Pulling eye for Turbopuls 60 and 80					0.008	
258.16		Pulling eye for Turbopuls 120 and 150						
30.100Z		Pull part	1" m - 1" f	2		2.0 x 3.5	1.77	3,625
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	
410.1205		Impact head standard for Turbopuls 120				4.72 x 2.75	5.22	
410.12051		Impact head soft for Turbopuls 120				4.72 x 2.75	5.22	
410.12052		Impact head for Turbopuls 150				5.8 x 2.1	6.53	
410.1209		Tandem for 410.120	1" / 1 1/4"	from 16	2 x 39.63	14.2 x 27.6	15.43	2,900
50.10084G		Skid for Y - Connection					5.16	
95.F100M075150		Reduction hose	3/4" m - 1" f			5/8" x 1.5 yard, Ø In 0.63" Ø Out 0.97"	2.47	2,900

Propeller nozzles

The enz® propeller nozzle performs thorough all-around cleaning in large sewers with diameters of 600 – 3000 mm efficiently and effectively. The skids are easy to adjust and can even be adapted to clean egg-shaped or oval pipe profiles. The propeller nozzles have been designed for the use of recycling-water, of course they can be used for fresh water as well.

Applications

- For circumferential cleaning in large-diameter channels – also suitable for fully water-filled channels



Propeller nozzles 1" - 1 1/4"



									
07.2500A	1"	24 - 118	66	10 x M10	7 x M10	21.6 x 66.1	132	ok	2,900
07.2500B	1 1/4"	24 - 118	66	10 x M10	7 x M10	21.6 x 66.1	132	ok	2,900

Accessory and wearing parts propeller nozzles



		
007.250015-SET		Locking pin, 16x50 set 0.08
007.250052-SET		Polyamide wheel set 0.66
007.250058-SET		Locking pin, 16x70 set 0.11
007.25007		Hose assembly 31.3
007.250075		Hose belt 0.13
007.25009		Underwater Kit 9.7
007.281400		16.33" extension m 1/2" - m 1/2" 2.4
19.M050M050		Nipples M 1/2" M 1/2" m 1/2 - f 1/2 0.17
C366		Pulling eye M12 1.76
19.M050F050-050		1.96" extension m 1/2" - f 1/2" 0.22
19.M050F050-100		3.93" extension m 1/2" - f 1/2" 0.33

Surface cleaner

We offer three types of nozzles for surface cleaning at pressures of up to 600 bar (8,700 psi). Turbo killer and pistol nozzles are available with both round and fan jet configurations, allowing for precise and versatile cleaning. Surface cleaners equipped with two or four nozzles ensure efficient and uniform cleaning performance. Both the turbo killer/pistol nozzles and the surface cleaners are fitted with enz JetMax® ceramic inserts featuring a flow straightener, providing a high water jetting density. For specific applications, particularly when using hot water up to 150 °C (300°F), the orbital nozzles (Monrojet® MJ) are especially suitable.

Applications

- To remove concrete slurry deposits and to clean facades, steps, walls, traffic signs, and more.



Surface cleaner 3/8" - 1/2"



						
18.040-C-0	1/2"	1.3	2 / 4 x M8	2.0 x 3.9	1.59	5,000
18.040-NB-0	3/8" NPT	1.3	2 / 4 x M8	2.0 x 4.2	1.59	5,000

Turbo killer 1/4"



							
18.020135	1/4"	3	1.35	20°	2.3 x 4.5	1.70	5,000
18.020150	1/4"	4	1.50	20°	2.3 x 4.5	1.70	5,000
18.020170	1/4"	5	1.70	20°	2.3 x 4.5	1.70	5,000
18.020190	1/4"	5	1.90	20°	2.3 x 4.5	1.70	5,000

Accessory and wearing parts Turbo killer



	
66.0106.20050  Rebuild kit for 18.041135	0.05
66.0106.20065  Rebuild kit for 18.041150	0.05
66.0106.20080  Rebuild kit for 18.041170	0.05
66.0106.20100  Rebuild kit for 18.041190	0.05

Pistol nozzles with round jets



					 max
08.0751		Pistol nozzle with round jet M10	3/4"	0.49	5,000
08.0501		Pistol nozzle with round jet M10	1/2"	0.37	8,700
08.1001		Pistol nozzle with round jet M10	1"	0.96	3,600

Pistol nozzles with fan jets



					 max
08.0752		Pistol nozzle with fan jet M10	3/4"	0.5	5,000
08.0502		Pistol nozzle with fan jet M10	1/2"	0.37	8,700
08.1002		Pistol nozzle with fan jet M10	1"	0.96	3,600

Lance head drilled



					 max
08.0551		Lance head drilled Ø 5 mm - 1/2 "	1/2"	0.22	5,000

Monrojet® 4ST (MJ 4ST) up to 300°F

							
550.04001ST	3/8" BSPP	1.45	0.6 - 2.8	22°	1.7 x 4.3	1.10	7,250
550.04002ST	3/8" NPT	1.45	0.6 - 2.8	22°	1.7 x 4.3	1.10	7,250
550.04003ST	1/2" BSPP	1.45	0.6 - 2.8	22°	1.7 x 4.3	1.10	7,250
550.04004ST	1/2" NPT	1.45	0.6 - 2.8	22°	1.7 x 4.3	1.10	7,250
550.04005ST	1/4" BSPP	1.45	0.6 - 2.8	22°	1.7 x 4.3	1.10	7,250

Accessory and wearing parts Monrojet® 4ST (MJ 4ST) nozzle

		
550.99007ST	 Repair Set for Monrojet® (MJ) 4ST	0.044
550.99017	 Driving tube with O-Ring for rotor 0.65 to 0.85 mm	0.11
550.99018	 Driving tube with O-Ring for rotor 0.9 to 1.85 mm	0.11
550.99028	 Mounting tool for Monrojet® (MJ)	0.15
550.99050	 High-pressure screw M26 x 1.5 and pressure ring 9/16 UNF LHY	M26 x 1.5 0.18
550.99051	 High-pressure screw M26 x 1.5 and pressure ring M14 x 1.5L	M26 x 1.5 0.18

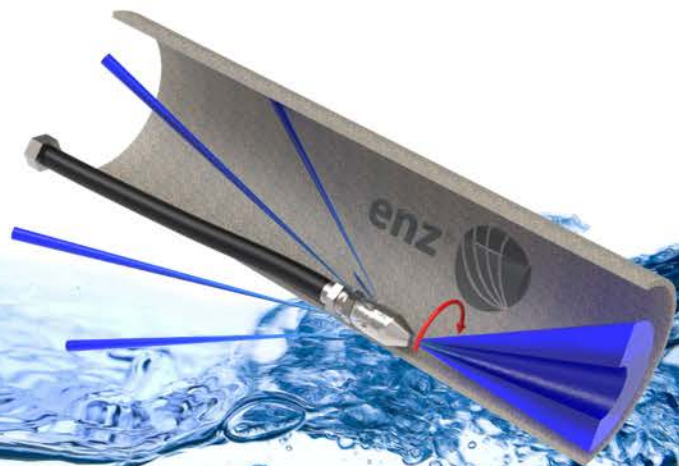
Rotodrill

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"

										
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
36.075	3/4"	3 - 8	20	6 x M6	1 x 0.90 - 1.80	30°	7°	1.5 x 3.0	0.75	5,000
36.100	1"	4 - 10	27	6 x M8	1 x 2.70	25°	7°	2.2 x 3.7	1.91	3,600

Wearing parts Rotodrill



				
66.36025-090		Repair Set for Rotodrill 36.025xN	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
66.21060-200		Repair Set for Rotodrill 36.100	Ø 2.70	0.11

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