

RGS nozzles

The radial rotating nozzles enz® are equipped with 4 radial jets of 75° for the pipe cleaning and 3 thrust jets for the advance which at the same time flush away the loosened residues. As a result, pipe ducts of all kinds, even with vertical borings etc., will be cleaned. The moving part of the enz® nozzle rotates at a limited speed. These water jets hit the pipe wall directly with great impact, striking every corner, every dead end, every lateral pipe.

Applications

- Cleaning of drain pipes
- Cleaning of lateral pipes
- Removal of solid deposits



RGS nozzles



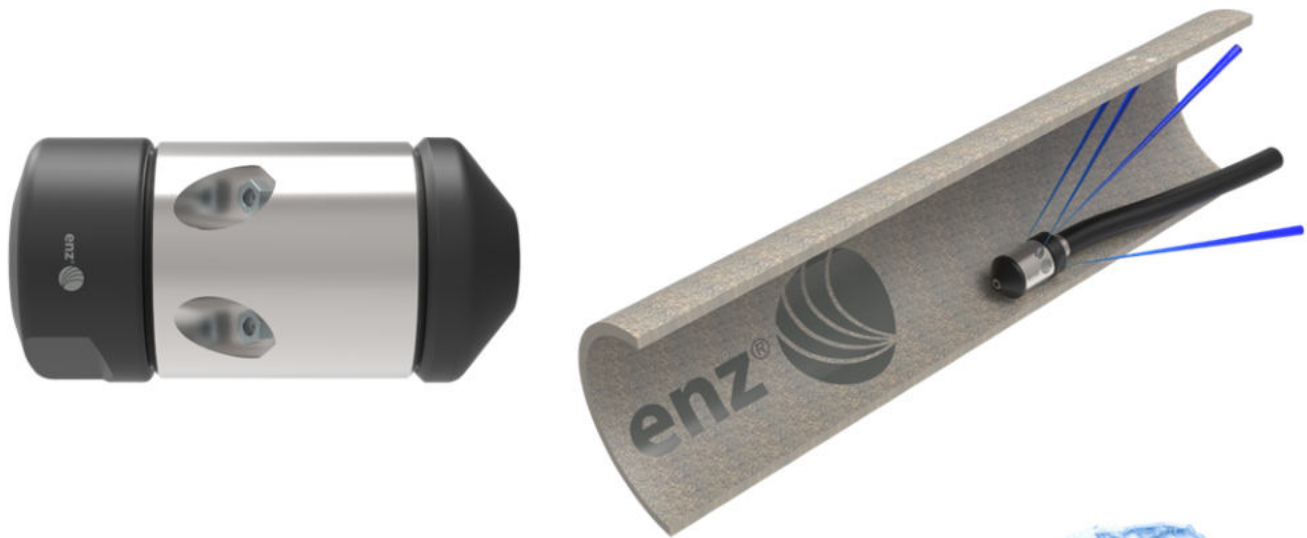
									
01.028N	1/4" NPT	2 - 4	5	4 x M4	3 x M4	*	1.1 x 2.2	0.44	5,075
01.040	1/2"	3 - 6	11	4 x M6	3 x M6	*	1.6 x 3.2	1.24	5,075
01.050A	1/2"	4 - 8	18	4 x M6	3 x M6	*	2.0 x 3.9	2.43	5,075
01.050B	3/4"	4 - 8	18	4 x M6	3 x M6	*	2.0 x 3.9	2.43	3,625
01.060	1"	4 - 12	26	4 x M8	3 x M8	*	2.4 x 4.4	3.53	3,625
01.100A	1"	8 - 24	53	4 x M10	3 x M10	*	2.9 x 7.1	16.31	3,625
01.100B	1 1/4"	8 - 24	53	4 x M10	3 x M10	*	3.9 x 7.1	16.31	3,625

HRH nozzles

The semi-radial rotating enz® nozzles with their 4 retroacting cutting-jets at an angle of approx. 45° cause simultaneously the cleaning procedure and the thrust for the forward move of the tool i.e. the jets combine rotation and thrust in one function resulting in a low water consumption. With sufficient water capacity, optional thrust jets can facilitate upward cleaning.

Applications

- Cleaning of pipes before TV-recordings
- To remove mineral deposits in pipes
- To remove roots up to Ø 5mm



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	5,075
02.016A13N	1/8" NPT	1 - 2	4	2 x 1.3 - 2 x 1.1	*	0.6 x 1.2	0.07	5,075
02.016B08N	1/4" NPT	1 - 2	3	2 x 0.8 - 2 x 0.7	*	0.6 x 1.2	0.07	5,075
02.016B13N	1/4" NPT	1 - 2	4	2 x 1.3 - 2 x 1.1	*	0.6 x 1.2	0.07	5,075

HRH nozzles 1/4" NPT - 3/4"

									
02.022BN	1/4" NPT	1 - 4	3	45°: 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	5,075
02.028ASN	1/4" NPT	2 - 4	3	4 x M4	3 x M4	*	1.1 x 2.2	0.45	5,075
02.028BN	3/8" NPT	2 - 4	2	4 x M4	-	*	1.1 x 2.2	0.45	5,075
02.040A	1/2"	3 - 6	4	4 x M6	-	-	1.6 x 3.2	1.24	5,075
02.040AS	1/2"	3 - 6	9	4 x M6	3 x M6	-	1.6 x 3.2	1.24	5,075
02.040B	3/4"	3 - 6	4	4 x M6	-	-	1.6 x 3.2	1.24	3,625
02.050A	1/2"	4 - 8	9	4 x M6	-	-	2.0 x 3.9	2.43	5,075
02.050AS	1/2"	4 - 8	9	4 x M6	3 x M6	-	2.0 x 3.9	2.43	5,075
02.050B	3/4"	4 - 8	8	4 x M6	-	-	2.0 x 3.9	2.43	3,625
02.050BS	3/4"	4 - 8	9	4 x M6	3 x M6	-	2.0 x 3.9	2.43	3,625

HRH nozzles 1" - 1 1/4"

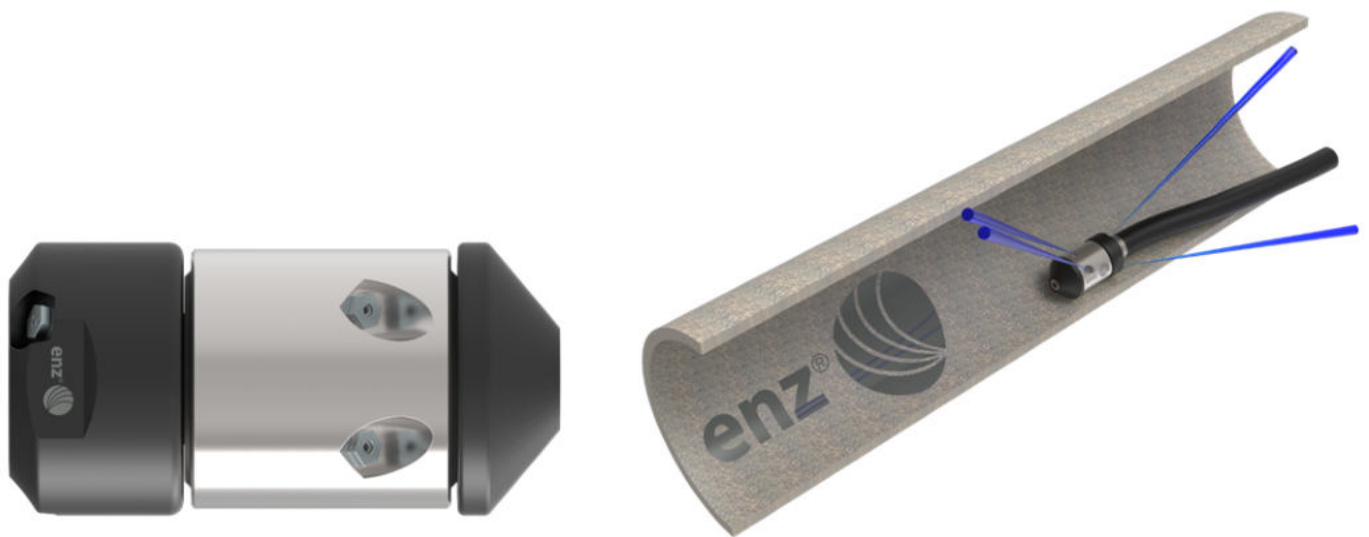
									
02.060	1"	4 - 12	16	4 x M8	3 x M8	*	2.4 x 4.4	3.53	3,625
02.100A	1"	8 - 24	53	4 x M10	3 x M10	*	2.9 x 7.1	16.31	3,625
02.100B	1 1/4"	8 - 24	53	4 x M10	3 x M10	*	3.9 x 7.1	16.31	3,625

HRV nozzles

enz® nozzles with forward impact angle of approx. 45° on the pipe wall as well as a front jet (on request) and 3 retro-thrust jets cause a cork-screw-like advance through the clogged pipe. While the front nozzle loosens and the semi-radial nozzles disintegrate the residues, the thrust nozzles are driving the nozzle head forwards and simultaneously pushing the waste material backwards.

Applications

- Core-flushing of the steel pipes during hydraulic thrust-boring
- Cleaning of house connecting pipework from inside to the drain system
- Removal of ice in manholes



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



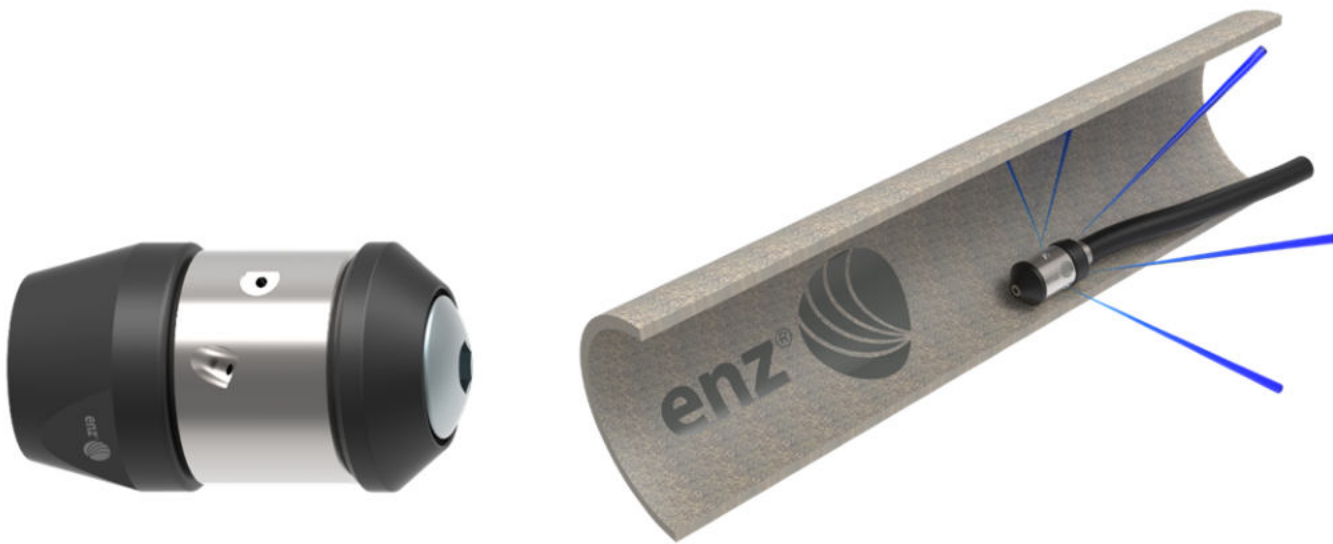
									
03.028N	1/4" NPT	2 - 4	8	4 x M4	3 x M4	*	1.1 x 2.2	0.45	5,075
03.040	1/2"	3 - 6	13	4 x M6	3 x M6	*	1.6 x 3.2	1.24	5,075
03.050A	1/2"	4 - 8	18	4 x M6	3 x M6	*	2.0 x 3.9	2.43	5,075
03.050B	3/4"	4 - 8	18	4 x M6	3 x M6	*	2.0 x 3.9	2.43	3,625
03.060	1"	4 - 12	26	4 x M8	3 x M8	*	2.4 x 4.4	3.53	3,625
03.100A	1"	8 - 24	53	4 x M10	3 x M10	*	3.9 x 7.1	16.31	3,625
03.100B	1 1/4"	8 - 24	53	4 x M10	3 x M10	*	3.9 x 7.1	16.31	3,625

KBR nozzles

This allround enz® combination nozzle is excellent for flushing out pipes as well as adjoining lateral pipes at any angle. It only requires a very small pump capacity and uses 2 radial jets at a 90° angle to the pipe wall and 2 semi-radial retro-jets at a 45° angle. This combination allows both, a forward thrust of the nozzle and simultaneously, a flushing away of the waste material.

Applications

- To remove organic deposits
- To clean heat exchangers
- Cleaning of fat 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	1 - 2	3	4 x 0.7	-	0.6 x 1.2	0.07	5,075
04.016A08N	1/8" NPT	1 - 2	4	4 x 0.80	-	0.6 x 1.2	0.07	5,075
04.016A09N	1/8" NPT	1 - 2	4.5	4 x 0.90	-	0.6 x 1.2	0.07	5,075
04.016A10N	1/8" NPT	1 - 2	5.5	4 x 1.00	-	0.6 x 1.2	0.07	5,075
04.016A11N	1/8" NPT	1 - 2	7	4 x 1.10	-	0.6 x 1.2	0.07	5,075

KBR nozzles 1/4" NPT drilled

								
04.016B04N	1/4" NPT	1 - 2	1.5	4 x 0.40	-	0.6 x 1.2	0.07	5,075
04.016B07N	1/4" NPT	1 - 2	3	4 x 0.70	-	0.6 x 1.2	0.07	5,075
04.016B08N	1/4" NPT	1 - 2	3.5	4 x 0.80	-	0.6 x 1.2	0.07	5,075
04.016B09N	1/4" NPT	1 - 2	4.5	4 x 0.90	-	0.6 x 1.2	0.07	5,075
04.016B10N	1/4" NPT	1 - 2	5.5	4 x 1.00	-	0.6 x 1.2	0.07	5,075
04.016B11N	1/4" NPT	1 - 2	6.5	4 x 1.10	-	0.6 x 1.2	0.07	5,075
04.016BS07N	1/4" NPT	1 - 2	6	4 x 0.70	3 x 0.80	0.6 x 1.2	0.05	5,075
04.016BS08N	1/4" NPT	1 - 2	6	4 x 0.80	3 x 0.80	0.6 x 1.2	0.05	5,075

KBR nozzles 1/4" NPT

								
04.028A	1/4"	1 - 4	3	4 x M4	-	1.1 x 2.2	0.4	5,075
04.028AN	1/4" NPT	1 - 4	3	4 x M4	-	1.1 x 2.2	0.44	5,075
04.028ASN	1/4" NPT	1 - 4	3	4 x M4	3 x M4	1.1 x 2.2	0.44	5,075

KBR nozzles 3/8" NPT

								
04.028B	3/8"	1 - 4	3	4 x M4	-	1.1 x 2.2	0.44	5,075
04.028BN	3/8" NPT	1 - 4	3	4 x M4	-	1.1 x 2.2	0.44	5,075

KBR nozzles 1/2"

								
04.040A	1/2"	3 - 6	5	4 x M6	-	1.6 x 3.2	1.2	5,075
04.040AS	1/2"	3 - 6	11	4 x M6	3 x M6	1.6 x 3.2	1.2	5,075
04.050A	1/2"	4 - 8	18	4 x M6	-	2.0 x 3.9	2.4	5,075
04.050AS	1/2"	4 - 8	18	4 x M6	3 x M6	2.0 x 3.9	2.4	5,075

KBR nozzles 3/4"

								
04.040B	3/4"	3 - 6	5	4 x M6	-	1.6 x 3.2	1.19	3,625
04.050B	3/4"	4 - 8	18	4 x M6	-	2.0 x 3.9	2.4	3,625
04.050BS	3/4"	4 - 8	18	4 x M6	3 x M6	2.0 x 3.9	2.4	3,625

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	3,625
04.100A	1"	8 - 24	53	4 x M10	3 x M10	3.9 x 6.9	16.09	3,625
04.100B	1 1/4"	8 - 24	53	4 x M10	3 x M10	3.9 x 6.9	16.09	3,625

KBRV nozzles

The nozzle enz® KBRV is provided with 2 semi-radial jets directed forward in an angle of 45°. As a result, this nozzle must either be equipped with extra thrust jets or be mounted on a lance. The forward jets desintegrate most any residue and flush the debris ahead of the nozzle.

Applications

- To remove plastic deposits
- To clean heat exchangers
- Cleaning of fat deposits
- Flushing of the pipes from the house toward the main line



KBRV nozzles 1/8" - 1/4"

								
04.016AV07N	1/8" NPT	0.7 - 2.4	1.5	90°: 2 x 0.70, 45°: 2 x 0.70	*	0.6 x 1.2	0.06	5,000
04.016AV08N	1/8" NPT	0.7 - 2.4	3	90°: 2 x 0.80, 45°: 2 x 0.80	*	0.6 x 1.2	0.06	5,000
04.016AV09N	1/8" NPT	0.7 - 2.4	4	90°: 2 x 0.90, 45°: 2 x 0.90	*	0.6 x 1.2	0.06	5,000
04.016AV10N	1/8" NPT	0.7 - 2.4	4.5	90°: 2 x 1.00, 45°: 2 x 1.00	*	0.6 x 1.2	0.06	5,000
04.016AV11N	1/8" NPT	0.7 - 2.4	6.5	90°: 2 x 1.10, 45°: 2 x 1.10	*	0.6 x 1.2	0.06	5,000
04.016BV07N	1/4" NPT	0.7 - 2.4	1.5	90°: 2 x 0.70, 45°: 2 x 0.70	*	0.6 x 1.2	0.06	5,000
04.016BV08N	1/4" NPT	0.7 - 2.4	3	90°: 2 x 0.80, 45°: 2 x 0.80	*	0.6 x 1.2	0.06	5,000
04.016BV09N	1/4" NPT	0.7 - 2.4	4	90°: 2 x 0.90, 45°: 2 x 0.90	*	0.6 x 1.2	0.06	5,000
04.016BV10N	1/4" NPT	0.7 - 2.4	4.5	90°: 2 x 1.00, 45°: 2 x 1.00	*	0.6 x 1.2	0.06	5,000
04.016BV11N	1/4" NPT	0.7 - 2.4	6.5	90°: 2 x 1.10, 45°: 2 x 1.10	*	0.6 x 1.2	0.06	5,000

KBRV nozzles 1/4" - 1 1/4"

									
04.028AVN	1/4" NPT	1.2 - 3.9	5	90°: 2 x M4, 45°: 2 x M4	3 x M4	*	1.1 x 2.2	0.45	5,000
04.040AV	1/2"	3 - 6	8	90°: 2 x M6, 45°: 2 x M6	3 x M6	*	1.6 x 3.2	1.19	5,000
04.050AV	1/2"	4 - 8	18	90°: 2 x M6, 45°: 2 x M6	3 x M6	*	2.0 x 3.9	2.43	5,000
04.050BV	3/4"	4 - 8	18	90°: 2 x M6, 45°: 2 x M6	3 x M6	*	2.0 x 3.9	2.43	3,600
04.060V	1"	4 - 12	26	90°: 2 x M8, 45°: 2 x M8	3 x M8	*	2.4 x 4.4	3.53	3,600
04.100AV	1"	8 - 24	53	90°: 2 x M10, 45°: 2 x M10	3 x M10	*	3.9 x 6.9	16.09	3,600
04.100BV	1 1/4"	8 - 24	53	90°: 2 x M10, 45°: 2 x M10	3 x M10	*	3.9 x 6.9	16.09	3,600

Bulldog

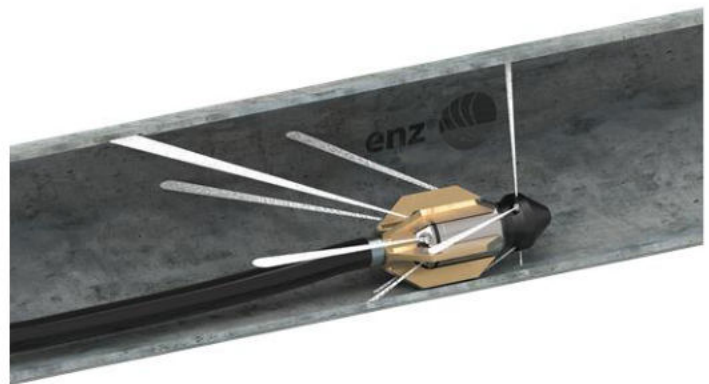
The enz® Bulldog® rotating nozzle has been designed for operation with recycling water and fresh water. The cleverly built sliding bearing allows the use of every kind of recycled water. An integrated oil-free braking system results in a low wear and tear operation and in controlled numbers of rotation. 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 Ø 1mm.

Characteristics

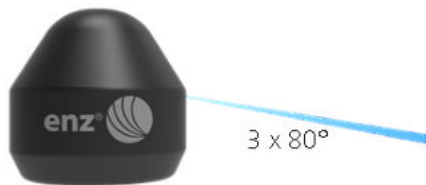
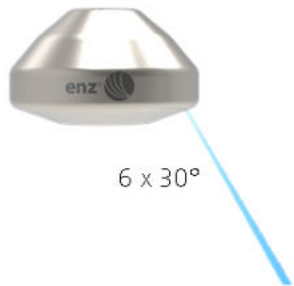
- Easy to handle
- The tool is practically maintenance-free

Applications

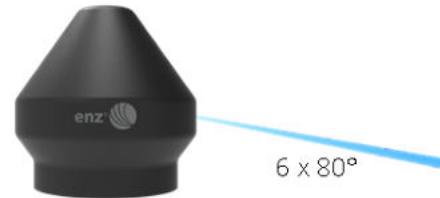
- To remove fat, roots and harder incrustations
- For operation with recycling water and fresh water



40x.037



40x.101



Bulldog® low flow 1/4" NPT - 1/2"

											
408.037	1/2"	1.6 - 5	6.5	50°: 2 x M6	-	1 x M6	170°	1.5 x 3.4	0.97	ok	5000
408.037AN	1/4" NPT	1.6 - 4	6.5	50°: 2 x M6	-	1 x M6	170°	1.5 x 3.5	1.06	ok	5000
408.037BN	3/8" NPT	1.6 - 4	6.5	50°: 2 x M6	-	1 x M6	170°	1.5 x 3.5	1.01	ok	5000

Bulldog® 1/2" - 3/4"

												
400.037	1/2"	1.6 - 5	13	30°: 6 x M6	-	1 x M6		170°	1.5 x 3.4	0.93	ok	2900
400.037S	1/2"	1.6 - 5	24	30°: 6 x M6	3 x M4	1 x M6	25°	170°	1.5 x 3.4	0.93	ok	2900

Bulldog® 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	2900
401.037CS	3/4"	3 - 8	16	80°: 3 x M6	3 x M4	-	25°		2.4 x 4.8	1.72	ok	2900
401.037S	1/2"	3 - 8	16	80°: 3 x M6	3 x M4	-	25°		2.4 x 4.8	1.59	ok	2900
404.037	1/2"	3 - 8	13	30°: 3 x M6, 80°: 3 x M6	-	-			2.4 x 4.8	1.59	ok	2900
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	2900
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	2,900
406.037	1/2"	3 - 8	17	30°: 6 x M6	-	2 x M4		150°/165°	2.4 x 4.8	1.59	ok	2900

												
406.037CS	3/4"	3 - 8	22	30°: 6 x M6	3 x M4	2 x M4	25°	150°/165°	2.4 x 4.8	1.72	ok	2900
406.037S	1/2"	3 - 8	22	30°: 6 x M6	3 x M4	2 x M4	25°	150°/165°	2.4 x 4.8	1.59	ok	2900

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



				
00100.037101		Head Bulldog 1/2"	1.3 x 0.8	
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		Skid for Bulldog 37	1/2"	3 - 8
00100.03720B		Skid for Bulldog 37	3/4"	3 - 8

Bulldog® 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
400.080SET100	1"	8 - 16	53	6 x M10	6 x M8	1 x M10		15°	5.9 x 10.2	12.82	ok	2,900
400.080SET150	1"	8 - 16	53	6 x M10	6 x M8	1 x M10		15°	5.9 x 10.2	12.82	ok	2,900
402.080LS100	1"	5 - 16	53	6 x M10	6 x M8	1 x M10		15°	3.9 x 8.7	8.16	ok	2,900
402.080LS150	1"	7 - 16	53	6 x M10	6 x M8	1 x M10		15°	5.9 x 10.2	12.72	ok	2,900
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 3/4" - 1"



							
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
100.060300S		Scissors skid with steel wheels	3/4"	12 - 43	12 - 43 x 30	21.2	5,000
100.060300		Scissors skid	3/4"	12 - 32	12 - 43 x 30	19.6	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® 1" - 1 1/4"

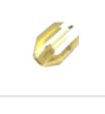


											
400.101A	1"	10 - 24	53	35°: 3 x M10, 90°: 2 x M10	6 x M10	1 x M10	15°	5.1 x 10.2	15.87	ok	2,900
400.101B	1 1/4"	10 - 24	53	35°: 3 x M10, 90°: 2 x M10	6 x M10	1 x M10	15°	5.1 x 10.2	15.87	ok	2,900

											
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 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
100.1004RAW		Cage 16'	1 1/4" m -> 1" f	16 - 39
100.1004RBW		Cage 16"	1 1/4" m -> 1 1/4" f	16 - 39
100.1004RB		Cage 16"	1 1/4" m -> 1 1/4" f	16 - 39
100.1019A		BULLDOG Skids for 400.100 8"	1 1/4" - 1" f	10 - 31
100.1019B		BULLDOG Skids for 400.100 8"	1 1/4" - 1 1/4" f	10 - 31
100.10073		Thrust stop with O-Ring and screw		
00100.1017B		Skid guidance 5/4" Bulldog 100 mm	1" - 1 1/4"	8 - 23
00100.1017A		Skid guidance for Bulldog 100mm	1" - 1 1/4"	8 - 23

Bulldog® Antiblast

Cleaning sewer lines when near home installations brings the risk of pressure equalisation through toilets or stench traps. This comes from negative pressure arising ahead of the nozzle or excess pressure following the nozzle if the installation is not correct or venting is not working properly. It's a very unpleasant surprise when this effect unintentionally turns a toilet into a shower! For this reason, enz® collaborated with a prestigious technical institute to develop and test the Bulldog® Antiblast. The Bulldog® Antiblast prevents this unpleasant side effect and guarantees cleaning in all directions, right down to the pores.

Advantages

- No pressure equalisation through stench traps or toilets
- Excellent streak-free, all-around cleaning
- Low maintenance, and compatible with recycled water
- Proven design
- Very simple to match to pump capacity
- Scientifically examined and tested



Bulldog® Antiblast 1" - 1 1/4"

											
600.080	1"	8 - 16	48	6 x M10	6 x M8	1 x M10	15°	3.9 x 8.1	9.39	ok	1,160
600.100A	1"	10 - 24	53	6 x M10	6 x M10	1 x M10	15°	5.1 x 10.2	16.76	ok	1,160
600.100B	1 1/4"	10 - 24	53	6 x M10	6 x M10	1 x M10	15°	5.1 x 10.2	16.76	ok	1,160

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 as well 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"	24 - 59	26	6 x M8	-	2 x M6	2.4 x 6.1	4.56	ok	2,900
403.060B	3/4"	24 - 59	26	6 x M8	-	2 x M6	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	-	3,625

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® rotating 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 10cm 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 hydraulic 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 16 1/8" NPT - 1/4" NPT



										
04.016ANE08	1/8" NPT	2 - 4	4	4 x 0.8	-	-	0.8 x 1.1	0.06	-	5,075
04.016ANE10	1/8" NPT	2 - 4	4	4 x 1.0	-	-	0.8 x 1.1	0.06	-	5,075
04.016ANES08	1/8" NPT	2 - 4	7	4 x 0.8	3 x 0.8	-	0.8 x 1.2	0.06	-	5,075
04.016ANES10	1/8" NPT	2 - 4	7	4 x 1.0	3 x 0.8	-	0.8 x 1.2	0.06	-	5,075
04.016BNE08	1/4" NPT	2 - 4	4	4 x 0.8	-	-	0.8 x 1.1	0.06	-	5,075
04.016BNE10	1/4" NPT	2 - 4	4	4 x 1.0	-	-	0.8 x 1.1	0.06	-	5,075
04.016BNES08	1/4" NPT	2 - 4	7	4 x 0.8	3 x 0.8	-	0.8 x 1.2	0.06	-	5,075
04.016BNES10	1/4" NPT	2 - 4	7	4 x 1.0	3 x 1.0	-	0.8 x 1.2	0.06	-	5,075

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	-	5,075
01.030ANE	1/4" NPT	2 - 4	3	2 x M4	3 x M4	-	1.2 x 2.0	0.33	-	5,075
02.028ANE	1/4" NPT	1 - 4	2	2 x M4	-	-	1.1 x 2.2	0.40	-	5,075
02.028BNE	3/8" NPT	1 - 4	2	2 x M4	-	-	1.1 x 2.4	0.44	-	5,075
04.040AE	1/2"	3 - 6	5	4 x M4	3 x M6	*	1.6 x 3.2	1.16	-	5,075
04.050AE	1/2"	4 - 8	18	4 x M6	3 x M6	*	2.0 x 3.8	2.16	-	5,075
04.050BE	3/4"	4 - 8	18	4 x M6	3 x M6	*	2.0 x 3.8	2.16	-	3,625
04.060EK	1"	4 - 12	26	4 x M6	3 x M8	*	2.4 x 4.4	3.53	-	3,625
04.100BE	1 1/4"	8 - 24	53	4 x M10	3 x M10	*	3.9 x 6.9	15.87	-	3,625

Rotopuls nozzles 3/8" NPT - 1/2"



										
01.034ANE	3/8" NPT	1.8 - 6	5	2 x M4	3 x M4	*	1.3 x 2.3	0.49	-	5,075
01.034BE	1/2"	1.8 - 6	5	2 x M4	3 x M4	*	1.3 x 2.3	0.49	-	5,075
04.044AE	1/2"	3 - 6	5	4 x M4	3 x M6	*	1.7 x 3.6	1.32	-	5,075
04.044E	3/8"	3 - 6	5	4 x M4	3 x M6	*	1.7 x 3.6	1.32	-	5,075

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

Turbopuls 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
410.120A-W	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
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

Accessory and wearing parts Turbopuls



										
410.1209		Twinholder for 410.120	1" / 1 1/4"	from 16	2 x 39.63	14.2 x 27.6	15.43	2,900		
95.F100M075150		HP Textile-Hose	3/4" m - 1" f			59.1	3.18			
410.0805		Impact head with screws				3.1 x 2.1	2.5			
410.08052		Impact head 3.9" with screws				3.1 x 2.1	2.5			
410.1205		Impact head standard with screws				4.72 x 2.75	5.22			

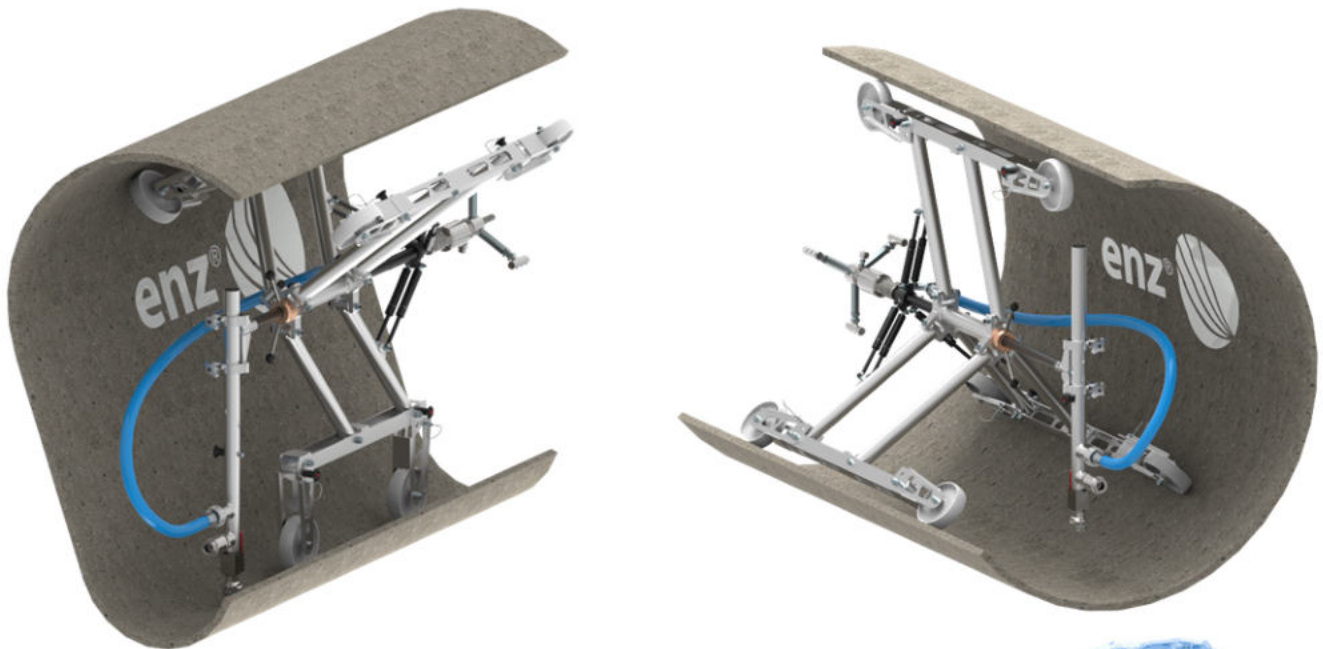
							max
410.12051		Impact head soft with screws			4.72 x 2.75	5.22	
00410.08010		Pointed center for Turbopuls Ø 80			0.6 x 2.4	0.15	
00410.12010		Pointed center for Turbopuls Ø 120mm			0.8 x 2.8	0.27	
004.0444E		Centre spire for ROTOPULS 04.044AE			0.5 x 1.2	0.04	

Propeller nozzles

With this enz® tool large channels will be efficiently cleaned. They can be used for dimensions of Ø 600 - 3000 mm. 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 cleaning large channels





Propeller nozzles 1" - 1 1/4"



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

Accessory and wearing parts propeller nozzles



		
007.281400		2.4

Surface cleaner

Surface cleaner

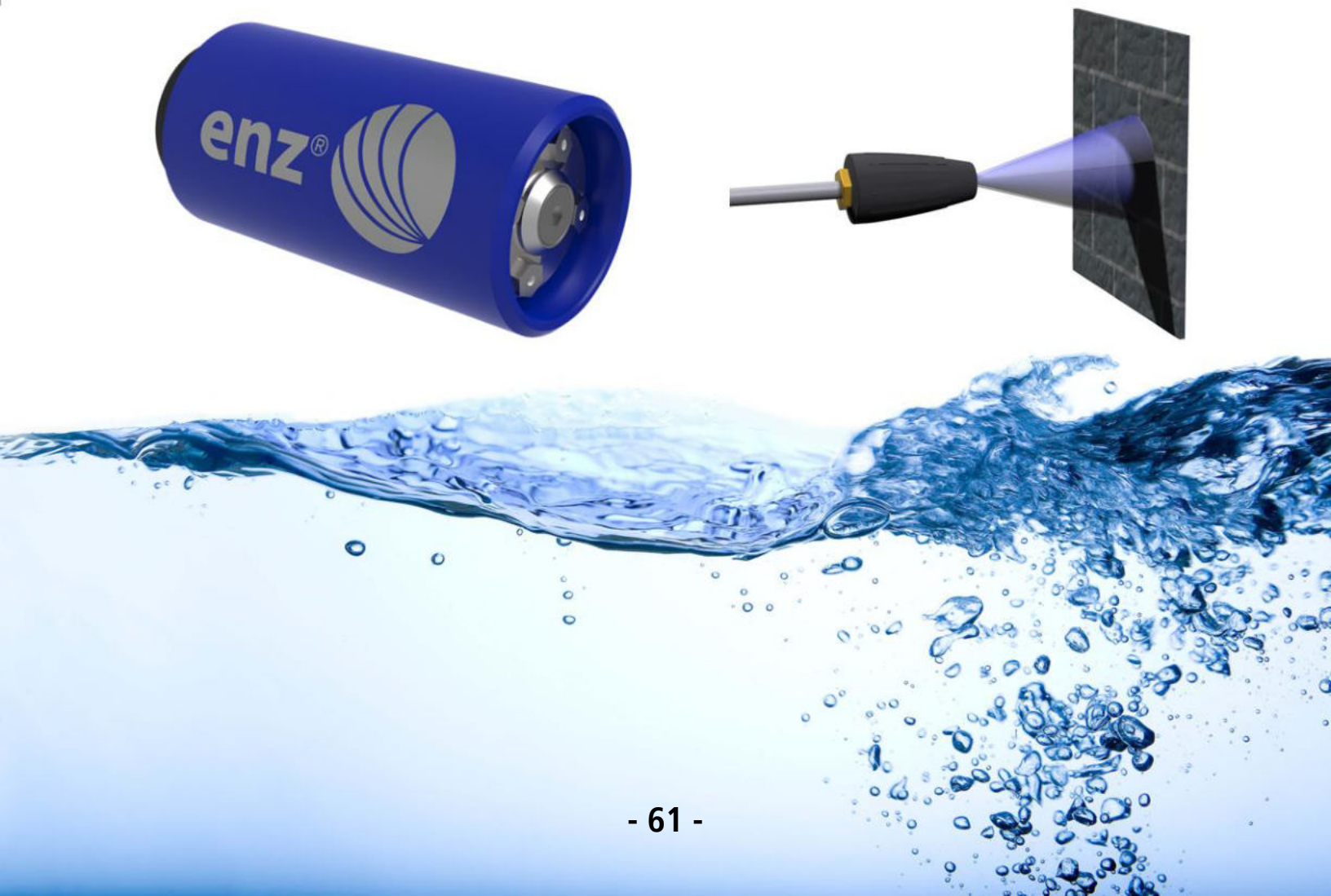
The rotating enz® nozzle for cleaning surfaces is remarkable for its high efficiency. It outperforms conventional flat jet or round jet nozzles with a large margin.

Turbo Killer

This special nozzle for cleaning surfaces is rotated by the cleaning liquid by means of an impeller. The exhaust axis has an inclination against the central axis of the rotating nozzle, which results in a circular movement.

Applications

- Surface Cleaner: To remove deposits of concrete-slurry, cleaning of store fronts, steps, walls, traffic signboards etc.
- Turbo Killer: for the cleaning of steps, walls, artificial surfaces, traffic signs, etc.



Surface cleaner 3/8"



							
18.040-NB-0	3/8" NPT	2.3 / 3.4	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	1.7	-	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



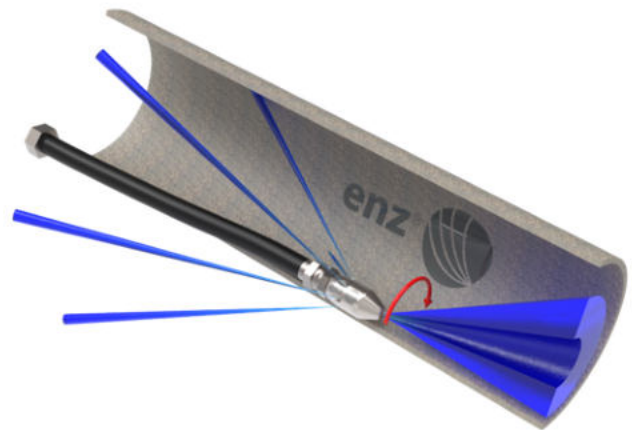
			
66.0106.20050		Rebuild kit for 18.041135	0.05
66.0106.20065		Rebuild kit for 18.041150	0.05
66.0106.20080		Rebuild kit for 18.041170	0.05
66.0106.20100		Rebuild kit for 18.041190	0.05

Rotodrill

Made of wear-resistant, hardened steel, provided with front jet insert and blind plug (interchangeable). Angle of jet backwards, sturdy wall thickness, long service life and a minimum of wear and tear.

Applications

- Appropriate for removal of sludge deposits and cloggings



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

											
36.025REV	1/4"	3 - 6	4	1 x 1.50	-	7°	-	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

Accessory and wearing parts Rotodrill

		
66.21040-040	Re-build kit for Rotodrill 36.0xx	Ø 1.20
66.21040-060	Re-build kit for Rotodrill 36.0xx	Ø 1.50
66.21060-200	Re-build kit for Rotodrill 36.100	Ø 2.70

HydroX

Enz has a very strong range of monojet nozzles. The HydroX nozzle of enz has a very strong performance due to its unique tip. The water jet is very concentrated, resulting in minimal wear. The repair kit is very user friendly, thus allowing a simple repair.



HydroX 3/8" NPT - 1/2"



										
36.038HE235N	3/8" NPT	7	-	2.35	-	7°	1.3 x 2.2	.57	-	5,000
36.050HE235	1/2"	7	-	2.35	-	7°	1.3 x 2.2	.57	-	5,000

Accessory HydroX



		
66.21040HE-235 	Re-build kit for HydroX Ø 2.35mm	0.06

MJ4



								
550.04001	3/8" BSPP	1.45	0.6 - 2.8	22°	1.7 x 4.3	1.10		7,500
550.04002	3/8" NPT	1.45	0.6 - 2.8	22°	1.7 x 4.3	1.10		7,500
550.04003	1/2" BSPP	1.45	0.6 - 2.8	22°	1.7 x 4.3	1.10		7,500
550.04004	1/2" NPT	1.45	0.6 - 2.8	22°	1.7 x 4.3	1.10		7,500
550.04005	1/4" BSPP	1.45	0.6 - 2.8	22°	1.7 x 4.3	1.10		7,500
550.04011	9/16" x 18 UNF LH	1.45	0.6 - 2.8	22°	1.7 x 4.3	1.10		7,500
550.04012	M14 x 1.5 LH	1.45	0.6 - 2.8	22°	1.7 x 4.3	1.10		7,500
550.04015	M26 x 1.5	1.45	0.6 - 2.8	22°	1.7 x 4.3	1.10		7,500