

Cutters without impacts

These enz® rotating cutters work without impacts. The cutter heads are equipped with hard metal plates, which are able to remove the most any kind of deposits. Their field of application is versatile. Layers of mineral deposits, concrete or concrete sludges can be milled out with them as well as roots and wood.





Applications

- Concrete or concrete sludges
- Layers of mineral deposits
- Roots, wood












Cutters without impacts 1/4"



									
13.028N	1/4" NPT	1.2	5	3 x M4	3 x M4	1.1 x 3.2	0.6	-	5,000










Cutters without impacts 1/2" - 1"












									
13.040TR	1/2"	1.7 - 2.4	8	2 x M6	4 x M6	-	1.6 x 4.3	1.65	ok 3,600
13.060TR	1"	2.4 - 3.1	13	2 x M6	4 x M8	-	2.4 x 5.1	4.40	ok 3,600

Accessory and wearing parts cutters without impacts



			
0013.0605TR		Milling Cutter Head 2.4"	2 - 3 1.43
0013.0405TR		Milling Cutter Head for 1.6"	2 - 2 0.66
0013.0404TR-48		Wear resistant ring for Milling Cutter 40 mm	0.15
0013.0407TR-48		Wear ring for Milling Cutter 40 mm	0.23
0013.0604TR-68		Wear resistant ring	0.28
0013.0607TR-68		Wear ring for Milling Cutter 60mm	0.28

				
16.16Z		Carbide Insert with Screw		0.06
16.19Z		Carbide Insert with Screw		0.06
0013.0606TR		exchangeable centre for		0.022
F5242				
F51010				
C20				










Cutting ball

The CB range (enz cutting ball) is equipped with a carbide root knife or penetrator blade for pipes that are clogged by more than 50%. The CB90 and CB70 (enz cutting ball) work without impact, but are equipped with a plug that can be removed, that creates a vibration in the tool when rotating. (not the CB50). The cutters on the side are self-sharpening and maintain their sharpness over their entire service life. The area of application of the cutting ball is diverse. Due to its spherical shape it can easily navigate bends without damaging the pipe. Moreover, the proven braking system from enz ensures for a lower rotation speed. The CB90 + CB70 are leakage-free and can be operated with recycling water.










- The enz CB cutting balls are particularly suitable for roots in seepage pipes, mineral deposits and limescale.
- All CB cutting balls are supplied in an enz case.













CB50 1/4" -1/2"

									
420.050A	BSPP 1/4"	2.2 - 4.0	6.6	4 x M6	-	45°	1.9 x 2.4	0.9	2,900
420.050AN	1/4" NPT	2.2 x 4.0	6.6	4 x M6	-	45°	1.9 x 2.4	0.9	2,900
420.050B	BSPP 3/8"	2.2 - 4.0	6.6	4 x M6	-		1.9 x 2.4	0.9	2,900
420.050BN	3/8" NPT	2.2 x 4.0	6.6	4 x M6	-		1.9 x 2.4	0.9	2,900
420.050BS	BSPP 3/8"	2.2 - 4.0	14.5	4 x M6	4x Ø 1.3mm		1.9 x 2.4	0.9	2,900
420.050BSN	3/8" NPT	2.2 - 4.0	14.5	4 x M6	4x Ø 1.3mm		1.9 x 2.4	0.9	2,900
420.050C	BSPP 1/2"	2.2 x 4.0	6.6	4 x M6	-		1.9 x 2.3	0.9	2,900
420.050CS	BSPP 1/2"	2.2 - 4.0	14.5	4 x M6	4x Ø 1.3mm		1.9 x 2.3	0.9	2,900

CB70 1/2"




									
420.070A	1/2"	3 - 5	15	6 x M6	-	2.67 x 3.6	2.43	ok	2,900
420.070AS	1/2"	3 - 5	21	6 x M6	3 x M4	2.67 x 3.6	2.43	ok	2,900

CB90 1/2"

										
420.090A	1/2"	4 - 6	16	6 x M6	-		3.5 x 3.8	4.94	ok	2,900
420.090AS	1/2"	4 - 6	21	6 x M6	3 x M4		3.5 x 3.8	4.94	ok	2,900
425.090A	1/2"	4 - 6	16	6 x M6	-	*	3.5 x 3.8	4.94	ok	2,900
425.090AS	1/2"	4 - 6	21	6 x M6	3 x M4	*	3.5 x 3.8	4.94	ok	2,900

Accessory cutting balls



			
00420.0902		Locking pin	0.5
00420.0702		Locking pin	0.5

Impact milling cutters

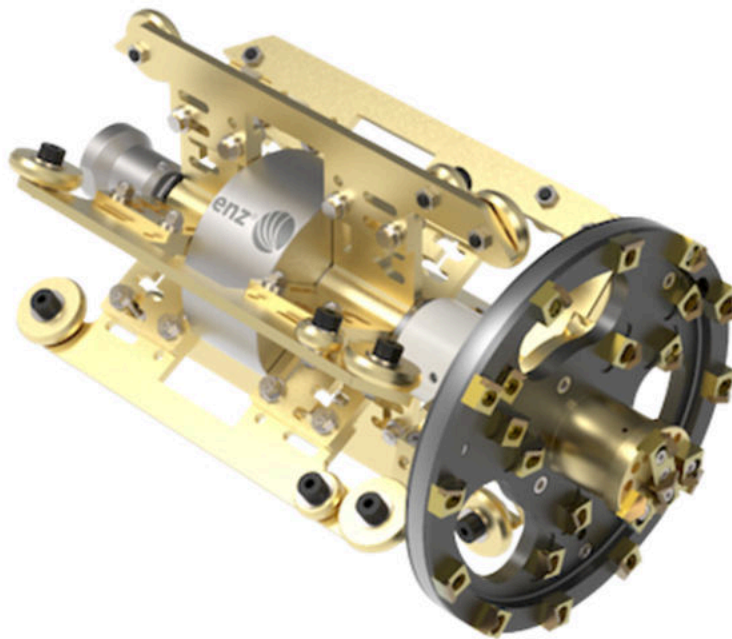
These tools are a radical innovation for milling-off deposits in pipes. The enz® impact milling cutters are designed to remove the most stubborn deposits like concrete, injection cement, mineral deposits etc. They work with a percussion system of 600-3000 impulses per minute and up to 12 tons of impact force.

Please ask for special equipment for plastic deposits! When using the pull rod (drawing device) the cutters can be driven with half the water quantity (from 200 mm).

Characteristics











- superior performance compared to other cutters
- extended tooth life
- easy handling
- low maintenance cost
- proven design

All impact milling cutters can be operated without impacts.













Impact milling cutters 1"



										
14.100	1"	4	26	3 x M10	3 x M10	-	3.5 x 13.6	26.46	-	2,100
14.120	1"	5	23	3 x M10	3 x M10	-	4.3 x 13.6	30.20	-	2,100
14.150	1"	6	40	3 x M10	3 x M10	-	5.1 x 15.4	47.18	-	2,100








Impact milling cutters 1" - 1 1/4"












										
14.400	1", 1 1/4"	16	79	3 x M10	3 x M10	-	14.8 x 22.0	196.21	-	2,100
14.450	1", 1 1/4"	18	106	3 x M10	3 x M10	-	16.7 x 28.0	235.90	-	2,100
14.500	1", 1 1/4"	20	119	3 x M10	3 x M10	-	18.7 x 28.0	244.71	-	2,100
14.600	1", 1 1/4"	24	132	3 x M10	3 x M10	-	22.6 x 28.0	264.56	-	2,100

Accessory and wearing parts impact milling cutters



				
0014.100D		Diamond crown	4	1.87
0014.120D		Diamond crown	5	2.42
0014.150D		Diamond crown	6	4.96
0014.200D		Diamond crown	8	6.61
0014.250D		Diamond crown	10	6.83

				
0014.300D		Diamond crown	12	15.65
0014.350D		Diamond crown	14	28.6
0014.400D		Diamond crown	16	34.52
14.400K		Impact drilling cutter head 15.7"	16	26.46
14.450K		Impact drilling cutter head 17.7"	18	29.76
14.500K		Impact drilling-cutter head 19.7"	20	37.48
14.600K		Impact drilling-cutter head 23.6"	24	41.89
0014.3008		Additional weight to percussion milling cutter	12 - 24	14.88
65212.08		Nord-Lock wedge lock washers M8		0.002
14.K05		Cam plate 0.19 inch per pc. with screws	8 - 24	0.44
14.K04		Cam plate 0.15 inch per pc. with screws	till 6	1.01
14.D		Spacers for cutter heads per pair		0.65
14.T1		Cup spring 0.14" - per pc.		0.22
14.G		Glide plate cutter 200 - 600		0.55
15.ZKB		Center cap with bored hole		1.32
14.400NA		Hub for impact drilling-cutter 15.7"	16 - 18	26.46

			Ø	
14.500NA		Hub for impact drilling-cutter 19.7"	20	28.00
14.600NA		Hub for impact drilling-cutter 23.6"	24	28.00
15.Z1-100		Segment tooth for center for 14.100	4	0.13
0014.30011		Extension for the shaft of impact milling		0.99
0014.2257		skid for cutter head Ø225mm		
0014.2007		Skid for cutter 7.8-9.8 inch	7.8 / 9.9	2.19
14.450KU		Adapter plates for skids 17.7"	18 - 24	35.27
14.2215ZS		Pull-rod M22x1.5 x 8"	8 - 24	2.21

Recycling IMC

These tools are a radical innovation for milling-off deposits in pipes. The enz® im-pact milling cutters are designed to remove the most stubborn deposits like concrete, injection cement, mineral deposits etc. They work with a percussion system of 600-3000 impulses per minute and up to 12 tons of impact force.

Please ask for special equipment for plastic deposits! When using the pull rod (drawing device) the cutters can be driven with half the water quantity (from 200 mm).











Characteristics

- to use with recycling water
- superior performance compared to other cutters
- extended tooth life
- easy handling
- low maintenance cost
- proven design

All impact milling cutters can be operated without impacts.















IMC 1" - 1 1/4"

										
14.200R	1", 1 1/4"	7.8	53	3 x M10	3 x M10	-	6.8 x 23.6	95.68	ok	2,100
14.225R	1", 1 1/4"	8.9	58.1	3 x M10	3 x M10	-	7.9 x 23.6	101.41	ok	2,100
14.250R	1", 1 1/4"	9.9	63.4	3 x M10	3 x M10	-	8.7 x 23.6	115.74	ok	2,100
14.300R	1", 1 1/4"	11.8	73.9	3 x M10	3 x M10	-	11.8 x 28	211.6	ok	2,100
14.350R	1", 1 1/4"	13.8	73.9	3 x M10	3 x M10	-	13.8 x 28	218.2	ok	2,100

Accessory and wearing parts IMC

						
14.200KR		Impact drilling cutter head 7.9"	8		8.16	
14.225KR		Impact drilling cutter head 8.9"	9		8.16	
14.250KR		Impact drilling cutter head 9.8"	10		12.13	
14.300KR		Impact drilling cutter head 11.8"	12		16.54	
14.350KR		Impact drilling cutter head 13.8"	14		21.83	
14.375KR		Impact drilling cutter head 14.76"	14.76			
15.Z1		Impact segment tooth for center	5 - 6		0.18	
15.ZU		Universal tooth (all Ø)	4 - 24		0.18	

15.ZU-GSL		Impact segment tooth 25x25		4 - 24				0.11
15.ZHU		Carbide tooth for impact cutter		4 - 24				0.24
15.ZDSU-30		Diamond tooth		4 - 24				0.17
14.KR35W		Cam plate to Impact Milling Cutter Recycling						0.79
15.ZKBR		Center cap with bored hole						1.32
14.99001		Torque wrench Stahlwille						0.24
14.99002		Hex socket 3/4" SW 41						0.24
14.99003		Socket adapter 3/4" - 1/2" with magnet						0.24
14.99004		Hand lever grease gun Pressol						0.24
14.99005		Grease Motorex Plantogel 4000						0.24
14.ZSR		Pull-rod M16 x 1.5 x 12.4"						
24.125S		Swivel joint with thrust jets	1" m - 1 1/4" f		3 x M10	3.2 x 5.0	4.08	3,600

