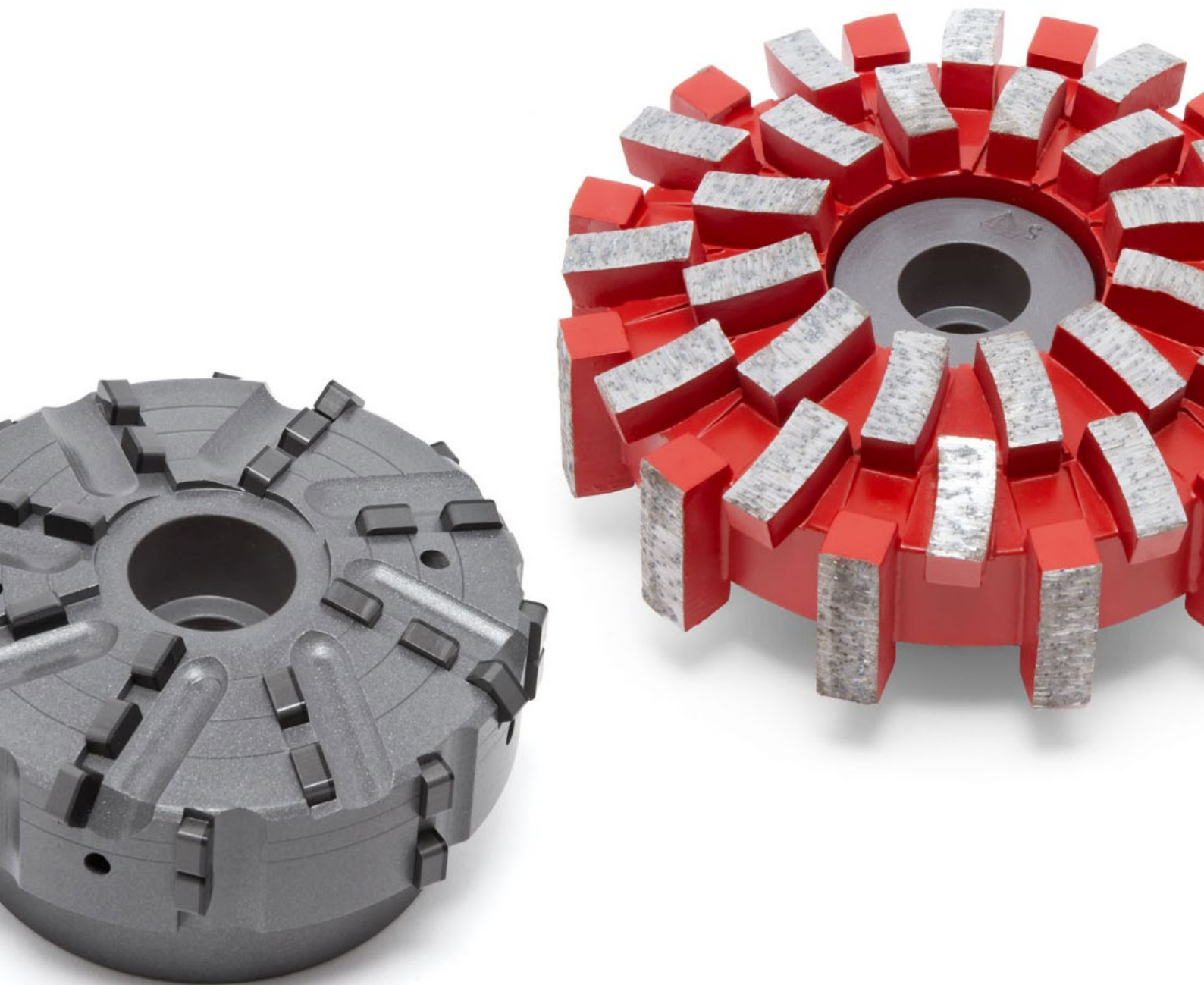


PRODUCT CATALOG 2017



SCHNEIDER
DIAMANTWERKZEUGE

**Cutting discs for processing
of CIPP liners and PVC** **Chapter 1**

**Carbide-Granulate Faced Wheels for
any robot types and inspection cameras** **Chapter 2**

Milling Cutter suitable for:

KA-TE/PMO DN 170-600	Chapter 3
KA-TE/PMO MINI DN 150-250	Chapter 5
ProKasro Hydro DN 300-600	Chapter 4
ProKasro Hydro DN 150-250	Chapter 6
ProKasro Elektric 3000 Watt Motor	Chapter 7
ProKasro Elektric 2000 Watt Motor	Chapter 8+10
ProKasro Pneumatic 3200/3600 Watt Motor	Chapter 7
ProKasro Pneumatic 1700/2500 Watt Motor	Chapter 8
ProKasro Pneumatic 500/900 Watt Motor	Chapter 10
ProKasro Lateral Working Robot smART	Chapter 12
Pipetronics PI.CUTTER FR 250	Chapter 3
Pipetronics PI.CUTTER FR 150	Chapter 5
Pipetronics eCUTTER EF 250	Chapter 3
Pipetronics eCUTTER EF 150	Chapter 5
Pipetronics Sewer Train	Chapter 14
Hächler HF 200	Chapter 3
Hächler HF 130	Chapter 7
Hächler Climb/Climbolino	Chapter 14
IBAK robotics AlliGator	Chapter 8
IBAK robotics MicroGator	Chapter 8
IBAK robotics FlexiGator	Chapter 14
ID-TEC WM 200 + 500	Chapter 7

SCHWALM ROBOTIC Talpa 2060	Chapter 7
SCHWALM ROBOTIC Talpa 1330	Chapter 8
SCHWALM ROBOTIC -Original Tools-	Chapter 9
IMS TURBO	Chapter 7
IMS DRIVE	Chapter 11
IMS MIDI/MINI	Chapter 14
IMS MICRO (from 2010 up)	Chapter 13
IMS MICRO (until 2010)	Chapter 13
IMS NANO	Chapter 13
IBG HydroCUT 200/150	Chapter 7
IBG HydroCUT 100	Chapter 8
IBG HydroCUT 60	Chapter 14
I.S.T. Power CUTTER 200	Chapter 7
I.S.T. Power CUTTER 150	Chapter 8
Subtech Milling Robot 250	Chapter 7
Subtech Milling Robot 150	Chapter 8
Sika	Chapter 8
Bodus Cutter MWR 10/20	Chapter 14
Bodus Cutter Micro	Chapter 14
RS Cutter	Chapter 14
SE Cutter	Chapter 14
Dan Cutter	Chapter 14

PREMIUM Diamond-grit faced cutting discs, with wide rim

Article No.	Ø mm	Mounting hole Ø mm	Cutting width mm	Coating	Price €
80021 P	50	10	2	Dia-Granulate	52,-
80022 P	75	10	2	Dia-Granulate	54,-
80023 P	100	22,2	2	Dia-Granulate	114,-
80016 P	115	22,2	2	Dia-Granulate	119,-
80017 P	125	22,2	2	Dia-Granulate	123,-
80024 P	150	22,2	2	Dia-Granulate	144,-
Net prices without discount!					



STANDARD Diamond-grit faced cutting discs

Article No.	Ø mm	Mounting hole Ø mm	Cutting width mm	Coating	Price €
80016	115	22,2	2,0	Dia-Granulate	45,-
80017	125	22,2	2,0	Dia-Granulate	51,-
Net prices without discount!					



Cutting disc adapter for collet chuck mount

Article No.	Shaft Ø mm	H Shaft mm	Mounting hole Ø mm	Price €
90133	6	34	10	19,-
90134	8	34	10	21,-
Net prices without discount!				



We custom-fabricate these wheels to your drawings/samples or by facing wheel blanks supplied by customer.



Warning: Grit-faced wheels may cause surface damage to pipe walls and CIPP liners. Use at your own risk!

KA-TE/PMO DN 170-600	ø 56/22 H7
Pipetronics PI.CUTTER FR 250	ø 56/22 H7
Pipetronics eCUTTER EF 250	ø 56/22 H7
Hächler HF 200	ø 56/22 H7



Premium Diamond Tooling for High-Performance Material Removal and Long Service Life

Materials to be processed:

- Concrete
- Reinforced concrete
- Vitrified clay
- Deposits/fouling
- Cast iron

Page 1 + 2



Field-Proven Standard Diamond Tooling with Outstanding Value for Purchase Investment

Materials to be processed:

- Concrete
- Reinforced concrete
- Vitrified clay
- Deposits/fouling
- Cast iron

Page 3 + 4



Innovative PCD Cutting Tooling For Fast and Precise Opening of CIPP Liners

Materials to be processed:

- CIPP liners
- PVC

Page 5

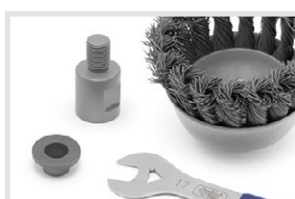


High-Tech PCD Tooling with Unbeatable Cutting Performance and Material Removal Rate

Materials to be processed:

- Concrete
- Vitrified clay
- Deposits/fouling
- CIPP liners
- PVC
- Roots

Page 6 + 7



Functional Accessories

High-quality brushes, adapters, extensions, etc.

Page 8



Mushroom-head milling cutter, Spring-mounted

Field of application: Surface grinding and milling

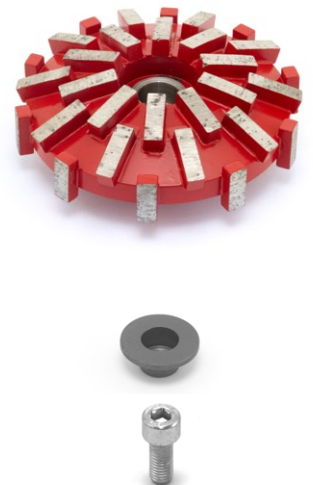
Article No.	Pipe DN mm	Ø Tool mm	Height mm	Segments	Price €
42027 P	170	100	40	20	322,-
42001 P	200	100	40	20	322,-
42002 P	250	120	45	20	406,-
42003 P	300	120	45	20	406,-
42004 P	350-400	120	45	20	406,-
42005 P	450-500	120	45	20	406,-
42006 P	600	120	45	20	406,-
Discount group 1					
90125	Protective cap for locking ring				12,-
90126	Screw M10×25 with axial bored channel				4,-
Discount group 3					



Mushroom-head milling cutter, Spring-mounted

Field of application: Surface grinding and milling

Article No.	Pipe DN mm	Ø Tool mm	Height mm	Segments	Price €
45027 P	170	110	40	30	399,-
45001 P	200	110	40	30	399,-
45002 P	250	120	45	30	465,-
45003 P	300	120	45	30	465,-
45004 P	350-400	120	45	30	465,-
45005 P	450-500	120	45	30	465,-
45006 P	600	120	45	30	465,-
Discount group 1					
90125	Protective cap for locking ring				12,-
90126	Screw M10×25 with axial bored channel				4,-
Discount group 3					



Inlet milling cutter

Field of application: Preparatory milling of laterals, Removal of intruding laterals

Article No.	Pipe DN mm	Ø Tool mm	Height mm	Segments	Price €
42007 P	250-600	80	43	18	303,-
42008 P	200-300	70	35	18	252,-
Discount group 1					





Slot milling cutter

Field of application: Preparatory milling of cracks and sockets

Article No.	Pipe DN mm	Ø Tool mm	Height mm	Segments	Price €
42012 P	200-300	35/28	40	5	132,-
42013 P	300-400	35/28	45	5	132,-
42021 P	300-600	35/28	55	5	139,-
Discount group 1					



2-in-1 cutter, Spring-mounted

Field of application: Preparatory milling of laterals,
Removal of intruding laterals, Surface grinding and milling

Article No.	Pipe DN mm	Ø Tool mm	Height mm	Segments	Price €
KF 45001 P	200	100	45	36	475,-
KF 45002 P	250	100	45	36	475,-
KF 45003 P	300	100	45	36	475,-
KF 45004 P	350-400	100	45	36	475,-
KF 45005 P	450-500	100	45	36	475,-
KF 45006 P	600	100	45	36	475,-
Discount group 1					
90125	Protective cap for locking ring				12,-
90126	Screw M10×25 with axial bored channel				4,-
Discount group 3					



Tapered milling cutter

Field of application: Preparatory milling of laterals

Article No.	Pipe DN mm	Ø Tool mm	Height mm	Segments	Price €
42010 P	300-600	70/50	65	18	353,-
Discount group 1					



N•TEC II® Mushroom-head milling cutter, Spring-mounted

Field of application: Surface grinding and milling

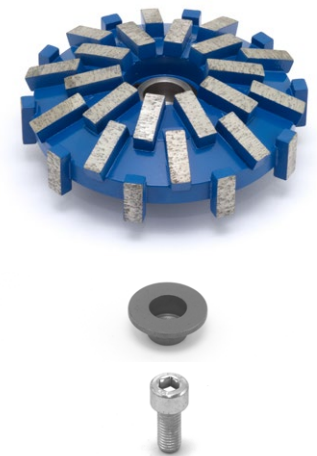
Article No.			Pipe DN mm	Ø Tool mm	Height mm	Segments	Price €
H1	H2	H3					
42027	43027	44027	170	100	40	20	257,-
42001	43001	44001	200	100	40	20	257,-
42002	43002	44002	250	120	45	20	332,-
42003	43003	44003	300	120	45	20	332,-
42004	43004	44004	350-400	120	45	20	332,-
42005	43005	44005	450-500	120	45	20	332,-
42006	43006	44006	600	120	45	20	332,-
Discount group 1							
90125	Protective cap for locking ring						12,-
90126	Screw M10×25 with axial bored channel						4,-
Discount group 3							



N•TEC II® Mushroom-head milling cutter, Spring-mounted

Field of application: Surface grinding and milling

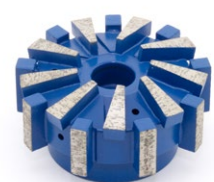
Article No.			Pipe DN mm	Ø Tool mm	Height mm	Segments	Price €
H1	H2	H3					
45027	46027	47027	170	110	40	30	320,-
45001	46001	47001	200	110	40	30	320,-
45002	46002	47002	250	120	45	30	394,-
45003	46003	47003	300	120	45	30	394,-
45004	46004	47004	350-400	120	45	30	394,-
45005	46005	47005	450-500	120	45	30	394,-
45006	46006	47006	600	120	45	30	394,-
Discount group 1							
90125	Protective cap for locking ring						12,-
90126	Screw M10×25 with axial bored channel						4,-
Discount group 3							



N•TEC II® Inlet milling cutter

Field of application: Preparatory milling of laterals, Removal of intruding laterals

Article No.			Pipe DN mm	Ø Tool mm	Height mm	Segments	Price €
H1	H2	H3					
42007	43007	44007	250-600	80	43	18	263,-
42008	43008	44008	200-300	70	35	18	213,-
Discount group 1							



	Cutting speed	Useful service life
H1	■ ■ ■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■ ■ ■
H2	■ ■ ■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■ ■ ■
H3	■ ■ ■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■ ■ ■

N•TEC II® Slot milling cutter

Field of application: Preparatory milling of cracks and sockets

Article No.	Pipe DN mm	Ø Tool mm	Height mm	Segments	Price €
44012	200-300	35/28	40	5	113,-
44013	300-400	35/28	45	5	113,-
44021	300-600	35/28	55	5	121,-
Discount group 1					

Discount group 1

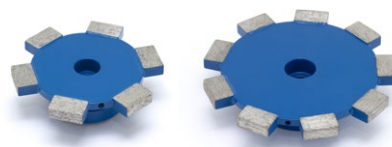


N•TEC II® Disc milling cutter

Field of application: Milling of circumferential slots on laterals

Article No.	Pipe DN mm	Ø Tool mm	Height mm	Segments	Price €
43011	200-300	85	25	6	187,-
43015	300-600	110	25	9	223,-
Discount group 1					

Discount group 1



N•TEC II® Tapered milling cutter

Field of application: Preparatory milling of laterals

Article No.			Pipe DN	Ø Tool	Height	Segments	Price €
H1	H2	H3	mm	mm	mm		
42010	43010	44010	300-600	70/50	65	18	267,-
Discount group 1							

Discount group 1



INNOVATIVE TOOLING FOR OPENING OF CIPP LINERS.

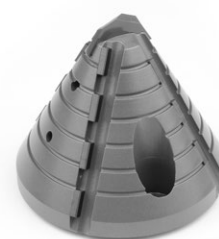
- Virtually vibration-free milling, without bounce-out or lateral displacement
- Precise, effective material removal
- Highly efficient drive power transmission
- Reduces stress and wear on drive shaft and bearings

linerCUT Pro® Tapered milling cutter with tungsten carbide tip

Field of application: Opening of laterals and inlet lines

Note: Only suitable for processing CIPP liners and PVC!

Article No.	Pipe DN mm	Ø Tool mm	Height mm	Segments	Price €
BL 11221	200-600	60/20	50	14	638,-
Discount group 2					



linerCUT Pro® Tapered milling cutter with PCD tip

Field of application: Opening of laterals and inlet lines

Note: Only suitable for processing CIPP liners and PVC!

Article No.	Pipe DN mm	Ø Tool mm	Height mm	Segments	Price €
BL 11223	200-600	60/20	50	16	649,-
Discount group 2					



linerCUT Pro® Taper/cylinder milling cutter with tungsten carbide tip

Field of application: Opening of laterals and inlet lines

Note: Only suitable for processing CIPP liners and PVC!

Article No.	Pipe DN mm	Ø Tool mm	Height mm	Segments	Price €
BL 11222	200-600	70/20	50	24	986,-
Discount group 2					



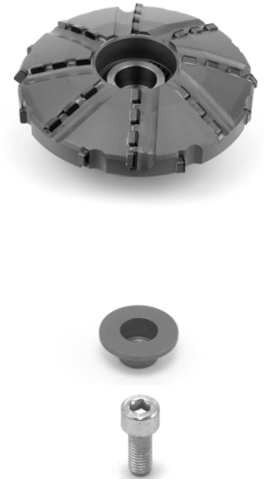
BLACK•LINE Mushroom-head milling cutter, Spring-mounted

Field of application: Surface milling, Removal of intruding obstacles,

Milling of offset socket transitions

Note: Use on steel-reinforced concrete will destroy the cutting elements!

Article No.	Pipe DN mm	Ø Tool mm	Height mm	Segments	Price €
BL 11216	250	100	35	36	1.157,-
BL 11217	300	100	35	36	1.157,-
BL 11218	350-400	100	35	36	1.157,-
BL 11219	450-500	100	35	36	1.157,-
BL 11220	600	100	35	36	1.157,-
Discount group 2					
90125	Protective cap for locking ring				12,-
90126	Screw M10×25 with axial bored channel				4,-
Discount group 3					



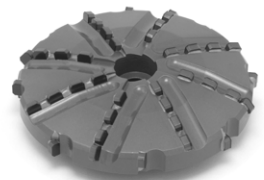
BLACK•LINE Mushroom-head milling cutter

Field of application: Surface milling, Removal of intruding obstacles,

Milling of offset socket transitions

Note: Use on steel-reinforced concrete will destroy the cutting elements!

Article No.	Pipe DN mm	Ø Tool mm	Height mm	Segments	Price €
BL 11201	250	105	30	40	1.125,-
BL 11202	300	105	30	40	1.125,-
BL 11203	350-400	105	30	40	1.125,-
BL 11204	450-500	105	30	40	1.125,-
BL 11205	600	105	30	40	1.125,-
Discount group 2					



BLACK•LINE Mushroom-head milling cutter, center cutting

Field of application: Frontal and surface milling, Removal of intruding obstacles,

Milling of offset socket transitions

Note: Use on steel-reinforced concrete will destroy the cutting elements!

Article No.	Pipe DN mm	Ø Tool mm	Height mm	Segments	Price €
BL 11206	250	105	30	44	1.220,-
BL 11207	300	105	30	44	1.220,-
BL 11208	350-400	105	30	44	1.220,-
BL 11209	450-500	105	30	44	1.220,-
BL 11210	600	105	30	44	1.220,-
Discount group 2					



BLACK•LINE Inlet milling cutter

Field of application: Opening and preparatory milling of laterals and inlet lines,
 Removal of intruding laterals and obstacles

Note: Use on steel-reinforced concrete will destroy the cutting elements!

Article No.	Pipe DN mm	Ø Tool mm	Height mm	Segments	Price €
BL 11211	250-600	73	40	36	847,-
Discount group 2					



BLACK•LINE End milling cutter

Field of application: Preparatory milling of cracks and sockets

Note: Use on steel-reinforced concrete will destroy the cutting elements!

Article No.	Pipe DN mm	Ø Tool mm	Height mm	Segments	Price €
BL 11213	300-600	30	53	14	481,-
Discount group 2					



Extensions

Stainless steel

Article No.	Ø mm	Height mm	Price €
90114	56	18	47,-
90115	56	25	49,-
90116	56	50	51,-
Discount group 3			



Adapter

Stainless steel

for mounting of wheel brushes and cutting discs

Article No.	Ø mm	Height mm	Price €
90110	56	18	47,-
SP 90110	Locking disc		6,-
Discount group 3			



Brushes

Article No.	Description	Ø mm	Fitting mm	Price €
80018	Wheel brush	100	22,2	25,-
80019	Cup brush	80	M14	35,-
80020	Cup brush	65	M14	24,-
Net prices without discount!				





Premium Diamond Tooling for High-Performance Material Removal and Long Service Life

Materials to be processed:

- Concrete
- Reinforced concrete
- Vitrified clay
- Deposits/fouling
- Cast iron

Page 1 + 2



Field-Proven Standard Diamond Tooling with Outstanding Value for Purchase Investment

Materials to be processed:

- Concrete
- Reinforced concrete
- Vitrified clay
- Deposits/fouling
- Cast iron

Page 3 + 4



Innovative PCD Cutting Tooling For Fast and Precise Opening of CIPP Liners

Materials to be processed:

- CIPP liners
- PVC

Page 5

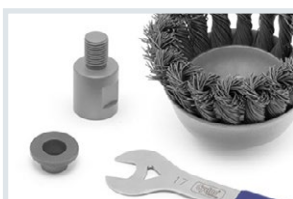


High-Tech PCD Tooling with Unbeatable Cutting Performance and Material Removal Rate

Materials to be processed:

- Concrete
- Vitrified clay
- Deposits/fouling
- CIPP liners
- PVC
- Roots

Page 6 + 7



Functional Accessories

High-quality brushes, adapters, extensions, etc.

Page 8



Mushroom-head milling cutter, Spring-mounted

Field of application: Surface grinding and milling

Article No.	Pipe DN mm	Ø Tool mm	Height mm	Segments	Price €
420031 P	300	120	45	20	406,-
420041 P	350-400	120	45	20	406,-
420051 P	450-500	120	45	20	406,-
420061 P	600	120	45	20	406,-
Discount group 1					
90125	Protective cap for locking ring				12,-
Discount group 3					



Mushroom-head milling cutter, Spring-mounted

Field of application: Surface grinding and milling

Article No.	Pipe DN mm	Ø Tool mm	Height mm	Segments	Price €
450031 P	300	120	45	30	465,-
450041 P	350-400	120	45	30	465,-
450051 P	450-500	120	45	30	465,-
450061 P	600	120	45	30	465,-
Discount group 1					
90125	Protective cap for locking ring				12,-
Discount group 3					



Inlet milling cutter

Field of application: Preparatory milling of laterals, Removal of intruding laterals

Article No.	Pipe DN mm	Ø Tool mm	Height mm	Segments	Price €
42026 P	250-600	72	43	18	303,-
Discount group 1					





Slot milling cutter

Field of application: Preparatory milling of cracks and sockets

Article No.	Pipe DN mm	Ø Tool mm	Height mm	Segments	Price €
42012 P	200-300	35/28	40	5	132,-
42013 P	300-400	35/28	45	5	132,-
42021 P	300-600	35/28	55	5	139,-
Discount group 1					



2-in-1 cutter, Spring-mounted

Field of application: Preparatory milling of laterals,
Removal of intruding laterals, Surface grinding and milling

Article No.	Pipe DN mm	Ø Tool mm	Height mm	Segments	Price €
KF 45001 P	200	100	45	36	475,-
KF 45002 P	250	100	45	36	475,-
KF 45003 P	300	100	45	36	475,-
KF 45004 P	350-400	100	45	36	475,-
KF 45005 P	450-500	100	45	36	475,-
KF 45006 P	600	100	45	36	475,-
Discount group 1					



90125	Protective cap for locking ring	12,-
Discount group 3		



Tapered milling cutter

Field of application: Preparatory milling of laterals

Article No.	Pipe DN mm	Ø Tool mm	Height mm	Segments	Price €
42010 P	300-600	70/50	65	18	353,-
Discount group 1					



N•TEC II® Mushroom-head milling cutter, Spring-mounted

Field of application: Surface grinding and milling

Article No.			Pipe DN mm	Ø Tool mm	Height mm	Segments	Price €
H1	H2	H3					
420031	430031	440031	300	120	45	20	332,-
420041	430041	440041	350-400	120	45	20	332,-
420051	430051	440051	450-500	120	45	20	332,-
420061	430061	440061	600	120	45	20	332,-
Discount group 1							
90125		Protective cap for locking ring					12,-
Discount group 3							



N•TEC II® Mushroom-head milling cutter, Spring-mounted

Field of application: Surface grinding and milling

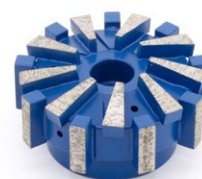
Article No.			Pipe DN mm	Ø Tool mm	Height mm	Segments	Price €
H1	H2	H3					
450031	460031	470031	300	120	45	30	394,-
450041	460041	470041	350-400	120	45	30	394,-
450051	460051	470051	450-500	120	45	30	394,-
450061	460061	470061	600	120	45	30	394,-
Discount group 1							
90125		Protective cap for locking ring					12,-
Discount group 3							



N•TEC II® Inlet milling cutter

Field of application: Preparatory milling of laterals, Removal of intruding laterals

Article No.			Pipe DN mm	Ø Tool mm	Height mm	Segments	Price €
H1	H2	H3					
42026	43026	44026	250-600	72	43	18	263,-
Discount group 1							



N•TEC II® Slot milling cutter

Field of application: Preparatory milling of cracks and sockets

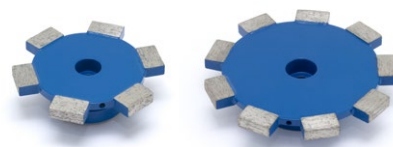
Article No.	Pipe DN mm	Ø Tool mm	Height mm	Segments	Price €
44012	200-300	35/28	40	5	113,-
44013	300-400	35/28	45	5	113,-
44021	300-600	35/28	55	5	121,-
Discount group 1					



N•TEC II® Disc milling cutter

Field of application: Milling of circumferential slots on laterals

Article No.	Pipe DN mm	Ø Tool mm	Height mm	Segments	Price €
43011	200-300	85	25	6	187,-
43015	300-600	110	25	9	223,-
Discount group 1					



N•TEC II® Tapered milling cutter

Field of application: Preparatory milling of laterals

Article No.			Pipe DN mm	Ø Tool mm	Height mm	Segments	Price €
H1	H2	H3					
42010	43010	44010	300-600	70/50	65	18	267,-
Discount group 1							



INNOVATIVE TOOLING FOR OPENING OF CIPP LINERS.

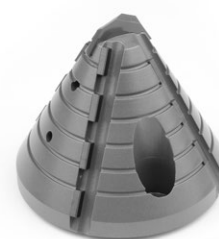
- Virtually vibration-free milling, without bounce-out or lateral displacement
- Precise, effective material removal
- Highly efficient drive power transmission
- Reduces stress and wear on drive shaft and bearings

linerCUT Pro® Tapered milling cutter with tungsten carbide tip

Field of application: Opening of laterals and inlet lines

Note: Only suitable for processing CIPP liners and PVC!

Article No.	Pipe DN mm	Ø Tool mm	Height mm	Segments	Price €
BL 11221	200-600	60/20	50	14	638,-
Discount group 2					



linerCUT Pro® Tapered milling cutter with PCD tip

Field of application: Opening of laterals and inlet lines

Note: Only suitable for processing CIPP liners and PVC!

Article No.	Pipe DN mm	Ø Tool mm	Height mm	Segments	Price €
BL 11223	200-600	60/20	50	16	649,-
Discount group 2					



linerCUT Pro® Taper/cylinder milling cutter with tungsten carbide tip

Field of application: Opening of laterals and inlet lines

Note: Only suitable for processing CIPP liners and PVC!

Article No.	Pipe DN mm	Ø Tool mm	Height mm	Segments	Price €
BL 11222	200-600	70/20	50	24	986,-
Discount group 2					



BLACK•LINE Mushroom-head milling cutter, Spring-mounted

Field of application: Surface milling, Removal of intruding obstacles,

Milling of offset socket transitions

Note: Use on steel-reinforced concrete will destroy the cutting elements!

Article No.	Pipe DN mm	Ø Tool mm	Height mm	Segments	Price €
BL 112171	300	100	35	36	1.157,-
BL 112181	350-400	100	35	36	1.157,-
BL 112191	450-500	100	35	36	1.157,-
BL 112201	600	100	35	36	1.157,-
Discount group 2					
90125	Protective cap for locking ring				12,-
Discount group 3					



BLACK•LINE Mushroom-head milling cutter

Field of application: Surface milling, Removal of intruding obstacles,

Milling of offset socket transitions

Note: Use on steel-reinforced concrete will destroy the cutting elements!

Article No.	Pipe DN mm	Ø Tool mm	Height mm	Segments	Price €
BL 112021	300	105	30	40	1.125,-
BL 112031	350-400	105	30	40	1.125,-
BL 112041	450-500	105	30	40	1.125,-
BL 112051	600	105	30	40	1.125,-
Discount group 2					



BLACK•LINE Mushroom-head milling cutter, center cutting

Field of application: Frontal and surface milling, Removal of intruding obstacles,

Milling of offset socket transitions

Note: Use on steel-reinforced concrete will destroy the cutting elements!

Article No.	Pipe DN mm	Ø Tool mm	Height mm	Segments	Price €
BL 112071	300	105	30	44	1.220,-
BL 112081	350-400	105	30	44	1.220,-
BL 112091	450-500	105	30	44	1.220,-
BL 112101	600	105	30	44	1.220,-
Discount group 2					



BLACK•LINE Inlet milling cutter

Field of application: Opening and preparatory milling of laterals and inlet lines,
Removal of intruding laterals and obstacles

Note: Use on steel-reinforced concrete will destroy the cutting elements!

Article No.	Pipe DN mm	Ø Tool mm	Height mm	Segments	Price €
BL 11211	250-600	73	40	36	847,-
Discount group 2					



BLACK•LINE End milling cutter

Field of application: Preparatory milling of cracks and sockets

Note: Use on steel-reinforced concrete will destroy the cutting elements!

Article No.	Pipe DN mm	Ø Tool mm	Height mm	Segments	Price €
BL 11213	300-600	30	53	14	481,-
Discount group 2					



Extensions

Stainless steel

Article No.	Ø mm	Height mm	Price €
90114	56	18	47,-
90115	56	25	49,-
90116	56	50	51,-
Discount group 3			



Adapter

Stainless steel

for mounting of wheel brushes and cutting discs

Article No.	Ø mm	Height mm	Price €
90110	56	18	47,-
SP 90110	Locking disc		6,-
Discount group 3			



Brushes

Article No.	Description	Ø mm	Fitting mm	Price €
80018	Wheel brush	100	22,2	25,-
80019	Cup brush	80	M14	35,-
80020	Cup brush	65	M14	24,-
Net prices without discount!				





Premium Diamond Tooling for High-Performance Material Removal and Long Service Life

Materials to be processed:

- Concrete
- Reinforced concrete
- Vitrified clay
- Deposits/fouling
- Cast iron

Page 1 + 2



Field-Proven Standard Diamond Tooling with Outstanding Value for Purchase Investment

Materials to be processed:

- Concrete
- Reinforced concrete
- Vitrified clay
- Deposits/fouling
- Cast iron

Page 3 + 4



Innovative PCD Cutting Tooling For Fast and Precise Opening of CIPP Liners

Materials to be processed:

- CIPP liners
- PVC

Page 5

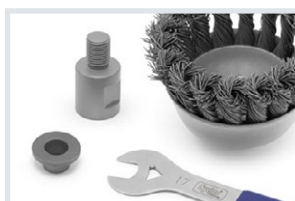


High-Tech PCD Tooling with Unbeatable Cutting Performance and Material Removal Rate

Materials to be processed:

- Concrete
- Vitrified clay
- Deposits/fouling
- CIPP liners
- PVC
- Roots

Page 6



Functional Accessories

High-quality brushes, adapters, extensions, etc.

Page 7



Mushroom-head milling cutter, Spring-mounted

Field of application: Surface grinding and milling

Article No.	Pipe DN mm	Ø Tool mm	Height mm	Segments	Price €
42017 P	150	100	45	20	319,-
42018 P	200	100	45	20	319,-
42019 P	250	100	45	20	319,-
Discount group 1					
90127	Protective cap for locking ring				11,-
90128	Screw M8×25 with axial bored channel				5,-
Discount group 3					



Mushroom-head milling cutter, Spring-mounted

Field of application: Surface grinding and milling

Article No.	Pipe DN mm	Ø Tool mm	Height mm	Segments	Price €
45017 P	150	100	45	30	397,-
45018 P	200	100	45	30	397,-
45019 P	250	100	45	30	397,-
Discount group 1					
90127	Protective cap for locking ring				11,-
90128	Screw M8×25 with axial bored channel				5,-
Discount group 3					



Inlet milling cutter

Field of application: Preparatory milling of laterals, Removal of intruding laterals

Article No.	Pipe DN mm	Ø Tool mm	Height mm	Segments	Price €
42016 P	150-250	65	32	18	252,-
Discount group 1					





Slot milling cutter

Field of application: Preparatory milling of cracks and sockets

Article No.	Pipe DN mm	Ø Tool mm	Height mm	Segments	Price €
42014 P	150-250	30/25	35	5	124,-
Discount group 1					



2-in-1 cutter, Spring-mounted

Field of application: Preparatory milling of laterals,
Removal of intruding laterals, Surface grinding and milling

Article No.	Pipe DN mm	Ø Tool mm	Height mm	Segments	Price €
KF 45017 P	150	88	45	30	410,-
KF 45018 P	200	88	45	30	410,-
KF 45019 P	250	88	45	30	410,-
Discount group 1					



90127	Protective cap for locking ring	11,-
90128	Screw M8×25 with axial bored channel	5,-
Discount group 3		



Tapered milling cutter

Field of application: Preparatory milling of laterals

Article No.	Pipe DN mm	Ø Tool mm	Height mm	Segments	Price €
42025 P	150-250	55/42	58	18	290,-
Discount group 1					



N•TEC II® Mushroom-head milling cutter, Spring-mounted

Field of application: Surface grinding and milling

Article No.			Pipe DN mm	Ø Tool mm	Height mm	Segments	Price €
H1	H2	H3					
42017	43017	44017	150	100	45	20	257,-
42018	43018	44018	200	100	45	20	257,-
42019	43019	44019	250	100	45	20	257,-
Discount group 1							
90127	Protective cap for locking ring						11,-
90128	Screw M8×25 with axial bored channel						5,-
Discount group 3							



N•TEC II® Mushroom-head milling cutter, Spring-mounted

Field of application: Surface grinding and milling

Article No.			Pipe DN mm	Ø Tool mm	Height mm	Segments	Price €
H1	H2	H3					
45017	46017	47017	150	100	45	30	320,-
45018	46018	47018	200	100	45	30	320,-
45019	46019	47019	250	100	45	30	320,-
Discount group 1							
90127	Protective cap for locking ring						11,-
90128	Screw M8×25 with axial bored channel						5,-
Discount group 3							



N•TEC II® Inlet milling cutter

Field of application: Preparatory milling of laterals, Removal of intruding laterals

Article No.			Pipe DN mm	Ø Tool mm	Height mm	Segments	Price €
H1	H2	H3					
42016	43016	44016	150-250	65	32	18	213,-
Discount group 1							



Cutting speed



Useful service life



N•TEC II® Slot milling cutter

Field of application: Preparatory milling of cracks and sockets

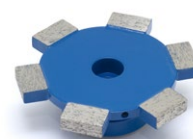
Article No.	Pipe DN mm	Ø Tool mm	Height mm	Segments	Price €
44014	150-250	30/25	35	5	110,-
Discount group 1					



N•TEC II® Disc milling cutter

Field of application: Milling of circumferential slots on laterals

Article No.	Pipe DN mm	Ø Tool mm	Height mm	Segments	Price €
43023	150-250	85	25	6	187,-
Discount group 1					



N•TEC II® Tapered milling cutter

Field of application: Preparatory milling of laterals

Article No.			Pipe DN mm	Ø Tool mm	Height mm	Segments	Price €
H1	H2	H3					
42025	43025	44025	150-250	55/42	58	18	219,-
Discount group 1							



INNOVATIVE TOOLING FOR OPENING OF CIPP LINERS.

- Virtually vibration-free milling, without bounce-out or lateral displacement
- Precise, effective material removal
- Highly efficient drive power transmission
- Reduces stress and wear on drive shaft and bearings

linerCUT Pro® Tapered milling cutter with tungsten carbide tip

Field of application: Opening of laterals and inlet lines

Note: Only suitable for processing CIPP liners and PVC!

Article No.	Pipe DN mm	Ø Tool mm	Height mm	Segments	Price €
BL 11314	150-250	45/20	35	10	507,-
Discount group 2					



linerCUT Pro® Tapered milling cutter with PCD tip

Field of application: Opening of laterals and inlet lines

Note: Only suitable for processing CIPP liners and PVC!

Article No.	Pipe DN mm	Ø Tool mm	Height mm	Segments	Price €
BL 11316	150-250	45/20	35	12	518,-
Discount group 2					



linerCUT Pro® Taper/cylinder milling cutter with tungsten carbide tip

Field of application: Opening of laterals and inlet lines

Note: Only suitable for processing CIPP liners and PVC!

Article No.	Pipe DN mm	Ø Tool mm	Height mm	Segments	Price €
BL 11315	150-250	55/20	38	24	791,-
Discount group 2					



BLACK-LINE Mushroom-head milling cutter

Field of application: Surface milling, Removal of intruding obstacles,

Milling of offset socket transitions

Note: Use on steel-reinforced concrete will destroy the cutting elements!

Article No.	Pipe DN mm	Ø Tool mm	Height mm	Segments	Price €
Solid-mounted					
BL 11301	150	85	30	36	884,-
BL 11302	200	85	30	36	884,-
BL 11309	250	85	30	36	884,-
Spring-mounted					
BL 11311	150	80	35	32	913,-
BL 11312	200	80	35	32	913,-
BL 11313	250	80	35	32	913,-
Discount group 2					
90127	Protective cap for locking ring				11,-
90128	Screw M8×25 with axial bored channel				5,-
Discount group 3					



BLACK-LINE Mushroom-head milling cutter, center cutting

Field of application: Frontal and surface milling, Removal of intruding obstacles,

Milling of offset socket transitions

Note: Use on steel-reinforced concrete will destroy the cutting elements!

KA-TE/PMO MINI DN 150-250 ► counterclockwise

Pipetronics PI.CUTTER FR 150 ► counterclockwise

Pipetronics eCUTTER EF 150 ► clockwise

Article No.		Pipe DN mm	Ø Tool mm	Height mm	Segments	Price €
counterclock- wise	clockwise					
BL 11303	BL 11317	150	85	30	38	993,-
BL 11304	BL 11318	200	85	30	38	993,-
BL 11310	BL 11319	250	85	30	38	993,-
Discount group 2						



BLACK-LINE Inlet milling cutter

Field of application: Opening and preparatory milling of laterals and inlet lines,

Removal of intruding laterals and obstacles

Note: Use on steel-reinforced concrete will destroy the cutting elements!

Article No.	Pipe DN mm	Ø Tool mm	Height mm	Segments	Price €
BL 11305	150-250	55	30	28	714,-
Discount group 2					



Extensions

Stainless steel

Article No.	Ø mm	Height mm	Price €
90117	45	18	47,-
90118	45	25	49,-
90119	45	50	51,-
Discount group 3			



Adapter

Stainless steel

Article No.	Description	Price €
SP 90110	Locking disc	6,-
90111	Adapter for mounting of wheel brushes and cutting discs	47,-
90123	Adapter from motor shaft diameter 45mm to 56mm	59,-
Discount group 3		



Brushes

Article No.	Description	Ø mm	Fitting mm	Price €
80018	Wheel brush	100	22,2	25,-
80020	Cup brush	65	M14	24,-
Net prices without discount!				





Premium Diamond Tooling for High-Performance Material Removal and Long Service Life

Materials to be processed:

- Concrete
- Reinforced concrete
- Vitrified clay
- Deposits/fouling
- Cast iron

Page 1 + 2



Field-Proven Standard Diamond Tooling with Outstanding Value for Purchase Investment

Materials to be processed:

- Concrete
- Reinforced concrete
- Vitrified clay
- Deposits/fouling
- Cast iron

Page 3 + 4



Innovative PCD Cutting Tooling For Fast and Precise Opening of CIPP Liners

Materials to be processed:

- CIPP liners
- PVC

Page 5

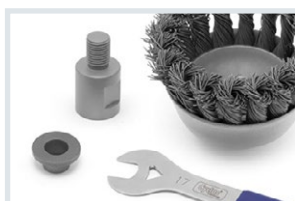


High-Tech PCD Tooling with Unbeatable Cutting Performance and Material Removal Rate

Materials to be processed:

- Concrete
- Vitrified clay
- Deposits/fouling
- CIPP liners
- PVC
- Roots

Page 6



Functional Accessories

High-quality brushes, adapters, extensions, etc.

Page 7



Mushroom-head milling cutter, Spring-mounted

Field of application: Surface grinding and milling

Article No.	Pipe DN mm	Ø Tool mm	Height mm	Segments	Price €
420171 P	150	100	45	20	319,-
420181 P	200	100	45	20	319,-
420191 P	250	100	45	20	319,-
Discount group 1					
90127	Protective cap for locking ring				11,-
90128	Screw M8×25 with axial bored channel				5,-
Discount group 3					



Mushroom-head milling cutter, Spring-mounted

Field of application: Surface grinding and milling

Article No.	Pipe DN mm	Ø Tool mm	Height mm	Segments	Price €
450171 P	150	100	45	30	397,-
450181 P	200	100	45	30	397,-
450191 P	250	100	45	30	397,-
Discount group 1					
90127	Protective cap for locking ring				11,-
90128	Screw M8×25 with axial bored channel				5,-
Discount group 3					



Inlet milling cutter

Field of application: Preparatory milling of laterals, Removal of intruding laterals

Article No.	Pipe DN mm	Ø Tool mm	Height mm	Segments	Price €
42016 P	150-250	65	32	18	252,-
Discount group 1					





Slot milling cutter

Field of application: Preparatory milling of cracks and sockets

Article No.	Pipe DN mm	Ø Tool mm	Height mm	Segments	Price €
42014 P	150-250	30/25	35	5	124,-
Discount group 1					



2-in-1 cutter, Spring-mounted

Field of application: Preparatory milling of laterals,
Removal of intruding laterals, Surface grinding and milling

Article No.	Pipe DN mm	Ø Tool mm	Height mm	Segments	Price €
KF 45017 P	150	88	45	30	410,-
KF 45018 P	200	88	45	30	410,-
KF 45019 P	250	88	45	30	410,-
Discount group 1					



90127	Protective cap for locking ring	11,-
90128	Screw M8×25 with axial bored channel	5,-
Discount group 3		



Tapered milling cutter

Field of application: Preparatory milling of laterals

Article No.	Pipe DN mm	Ø Tool mm	Height mm	Segments	Price €
42025 P	150-250	55/42	58	18	290,-
Discount group 1					



N•TEC II® Mushroom-head milling cutter, Spring-mounted

Field of application: Surface grinding and milling

Article No.			Pipe DN mm	Ø Tool mm	Height mm	Segments	Price €
H1	H2	H3					
420171	430171	440171	150	100	45	20	257,-
420181	430181	440181	200	100	45	20	257,-
420191	430191	440191	250	100	45	20	257,-
Discount group 1							
90127	Protective cap for locking ring						11,-
90128	Screw M8×25 with axial bored channel						5,-
Discount group 3							



N•TEC II® Mushroom-head milling cutter, Spring-mounted

Field of application: Surface grinding and milling

Article No.			Pipe DN mm	Ø Tool mm	Height mm	Segments	Price €
H1	H2	H3					
450171	460171	470171	150	100	45	30	320,-
450181	460181	470181	200	100	45	30	320,-
450191	460191	470191	250	100	45	30	320,-
Discount group 1							
90127	Protective cap for locking ring						11,-
90128	Screw M8×25 with axial bored channel						5,-
Discount group 3							



N•TEC II® Inlet milling cutter

Field of application: Preparatory milling of laterals, Removal of intruding laterals

Article No.			Pipe DN mm	Ø Tool mm	Height mm	Segments	Price €
H1	H2	H3					
42016	43016	44016	150-250	65	32	18	213,-
Discount group 1							



Cutting speed



Useful service life



N•TEC II® Slot milling cutter

Field of application: Preparatory milling of cracks and sockets

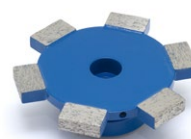
Article No.	Pipe DN mm	Ø Tool mm	Height mm	Segments	Price €
44014	150-250	30/25	35	5	110,-
Discount group 1					



N•TEC II® Disc milling cutter

Field of application: Milling of circumferential slots on laterals

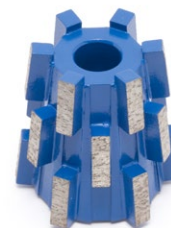
Article No.	Pipe DN mm	Ø Tool mm	Height mm	Segments	Price €
43023	150-250	85	25	6	187,-
Discount group 1					



N•TEC II® Tapered milling cutter

Field of application: Preparatory milling of laterals

Article No.			Pipe DN mm	Ø Tool mm	Height mm	Segments	Price €
H1	H2	H3					
42025	43025	44025	150-250	55/42	58	18	219,-
Discount group 1							



INNOVATIVE TOOLING FOR OPENING OF CIPP LINERS.

- Virtually vibration-free milling, without bounce-out or lateral displacement
- Precise, effective material removal
- Highly efficient drive power transmission
- Reduces stress and wear on drive shaft and bearings

linerCUT Pro® Tapered milling cutter with tungsten carbide tip

Field of application: Opening of laterals and inlet lines

Note: Only suitable for processing CIPP liners and PVC!

Article No.	Pipe DN mm	Ø Tool mm	Height mm	Segments	Price €
BL 11314	150-250	45/20	35	10	507,-
Discount group 2					



linerCUT Pro® Tapered milling cutter with PCD tip

Field of application: Opening of laterals and inlet lines

Note: Only suitable for processing CIPP liners and PVC!

Article No.	Pipe DN mm	Ø Tool mm	Height mm	Segments	Price €
BL 11316	150-250	45/20	35	12	518,-
Discount group 2					



linerCUT Pro® Taper/cylinder milling cutter with tungsten carbide tip

Field of application: Opening of laterals and inlet lines

Note: Only suitable for processing CIPP liners and PVC!

Article No.	Pipe DN mm	Ø Tool mm	Height mm	Segments	Price €
BL 11315	150-250	55/20	38	24	791,-
Discount group 2					



BLACK•LINE Mushroom-head milling cutter

Field of application: Surface milling, Removal of intruding obstacles,
Milling of offset socket transitions

Note: Use on steel-reinforced concrete will destroy the cutting elements!

Article No.	Pipe DN mm	Ø Tool mm	Height mm	Segments	Price €
Solid-mounted					
BL 113011	150	85	30	36	884,-
BL 113021	200	85	30	36	884,-
BL 113091	250	85	30	36	884,-
Spring-mounted					
BL 113111	150	80	35	32	913,-
BL 113121	200	80	35	32	913,-
BL 113131	250	80	35	32	913,-
Discount group 2					
90127	Protective cap for locking ring				11,-
90128	Screw M8×25 with axial bored channel				5,-
Discount group 3					



BLACK•LINE Mushroom-head milling cutter, center cutting

Field of application: Frontal and surface milling, Removal of intruding obstacles,
Milling of offset socket transitions

Note: Use on steel-reinforced concrete will destroy the cutting elements!

Article No.	Pipe DN mm	Ø Tool mm	Height mm	Segments	Price €
BL 113171	150	85	30	38	993,-
BL 113181	200	85	30	38	993,-
BL 113191	250	85	30	38	993,-
Discount group 2					



BLACK•LINE Inlet milling cutter

Field of application: Opening and preparatory milling of laterals and inlet lines,
Removal of intruding laterals and obstacles

Note: Use on steel-reinforced concrete will destroy the cutting elements!

Article No.	Pipe DN mm	Ø Tool mm	Height mm	Segments	Price €
BL 11305	150-250	55	30	28	714,-
Discount group 2					



Extensions

Stainless steel

Article No.	Ø mm	Height mm	Price €
90117	45	18	47,-
90118	45	25	49,-
90119	45	50	51,-
Discount group 3			



Adapter

Stainless steel

Article No.	Description	Price €
SP 90110	Locking disc	6,-
90111	Adapter for mounting of wheel brushes and cutting discs	47,-
90123	Adapter from motor shaft diameter 45 mm to 56 mm	59,-
Discount group 3		



Brushes

Article No.	Description	Ø mm	Fitting mm	Price €
80018	Wheel brush	100	22,2	25,-
80020	Cup brush	65	M14	24,-
Net prices without discount!				





Premium Diamond Tooling for High-Performance Material Removal and Long Service Life

Materials to be processed:

- Concrete
- Reinforced concrete
- Deposits/fouling
- Cast iron
- Vitrified clay

Page 1 + 2



Innovative PCD Cutting Tooling For Fast and Precise Opening of CIPP Liners

Materials to be processed:

- CIPP liners
- PVC

Page 3



High-Tech PCD Tooling with Unbeatable Cutting Performance and Material Removal Rate

Materials to be processed:

- Concrete
- Vitrified clay
- Deposits/fouling
- CIPP liners
- PVC
- Roots

Page 4–6

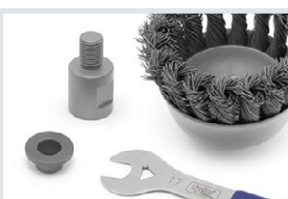


Carbide-Granulate Faced Tooling For Eye-Pleasing Finishes

Materials to be processed:

- CIPP liners
- PVC
- Roots

Page 7



Functional Accessories

High-quality brushes, adapters, extensions, etc.

Page 8



Mushroom-head milling cutter

Field of application: Surface grinding and milling

Article No.	Pipe DN mm	Ø Tool mm	Height mm	Segments	Price €
20006 P	200-300	80	30	21	226,-
20007 P	300-450	80	30	21	226,-
20008 P	450-600	80	30	21	226,-
Discount group 1					
20024 P	200-300	70	30	18	222,-
20025 P	300-450	70	30	18	222,-
20026 P	450-600	70	30	18	222,-
Discount group 1					



Tapered milling cutter

Field of application: Preparatory milling of laterals, Removal of intruding laterals

Article No.	Pipe DN mm	Ø Tool mm	Height mm	Segments	Price €
20004 P	300-600	52/42	40	9	243,-
20001 P	200-300	52/46	25	9	193,-
Discount group 1					



Tapered milling cutter

Field of application: Preparatory milling of laterals, Removal of intruding laterals

Article No.	Pipe DN mm	Ø Tool mm	Height mm	Segments	Price €
20013 P	300-600	38/28	53	6	198,-
20027 P	200-300	36/28	32	6	162,-
Discount group 1					





Inlet milling cutter

Field of application: Preparatory milling of laterals, Removal of intruding laterals

Article No.	Pipe DN mm	Ø Tool mm	Height mm	Segments	Price €
20015 P	250-600	68	33	16	240,-
Discount group 1					



Finger milling cutter

Field of application: Preparatory milling of cracks and sockets

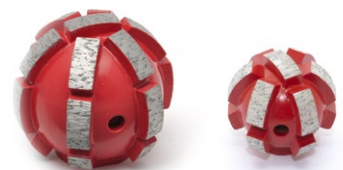
Article No.	Pipe DN mm	Ø Tool mm	Height mm	Segments	Price €
20003 P	250-600	30	55	5	152,-
Discount group 1					



Ball milling cutter

Field of application: Removal of intruding laterals and obstacles

Article No.	Pipe DN mm	Ø Tool mm	Height mm	Segments	Price €
20020 P	250-600	50	46	19	259,-
20021 P	250-600	40	37	13	222,-
Discount group 1					



INNOVATIVE TOOLING FOR OPENING OF CIPP LINERS.

- Virtually vibration-free milling, without bounce-out or lateral displacement
- Precise, effective material removal
- Highly efficient drive power transmission
- Reduces stress and wear on drive shaft and bearings

linerCUT Pro® Tapered milling cutter with tungsten carbide tip

Field of application: Opening of laterals and inlet lines

Note: Only suitable for processing CIPP liners and PVC!

Article No.	Pipe DN mm	Ø Tool mm	Height mm	Segments	Price €
BL 11437	250-600	28/18	45	14	557,-
Discount group 2					



linerCUT Pro® Tapered milling cutter with tungsten carbide tip

Field of application: Opening of laterals and inlet lines

Note: Only suitable for processing CIPP liners and PVC!

Article No.	Pipe DN mm	Ø Tool mm	Height mm	Segments	Price €
BL 11438	200-450	30/18	35	10	473,-
Discount group 2					

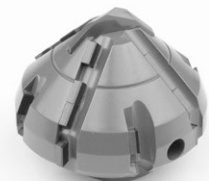


linerCUT Pro® Taper/cylinder milling cutter with tungsten carbide tip

Field of application: Opening of laterals and inlet lines

Note: Only suitable for processing CIPP liners and PVC!

Article No.	Pipe DN mm	Ø Tool mm	Height mm	Segments	Price €
BL 11439	250-600	45	40	22	737,-
BL 11441	250-600	55/20	46	24	791,-
Discount group 2					



BLACK•LINE Mushroom-head milling cutter

Field of application: Surface milling, Removal of intruding obstacles,
 Milling of offset socket transitions

Note: Use on steel-reinforced concrete will destroy the cutting elements!

Article No.	Pipe DN mm	Ø Tool mm	Height mm	Segments	Price €
BL 11401	250-600	75	27	32	773,-
BL 11426	250-600	63	25	28	680,-
Discount group 2					



BLACK•LINE Mushroom-head milling cutter, center cutting

Field of application: Frontal and surface milling, Removal of intruding obstacles,
 Milling of offset socket transitions

Note: Use on steel-reinforced concrete will destroy the cutting elements!

Article No.	Pipe DN mm	Ø Tool mm	Height mm	Segments	Price €
BL 11402	250-600	75	33	34	885,-
BL 11427	250-600	65	27	30	789,-
Discount group 2					



BLACK•LINE Inlet milling cutter

Field of application: Opening and preparatory milling of laterals and inlet lines,
 Removal of intruding laterals and obstacles

Note: Use on steel-reinforced concrete will destroy the cutting elements!

Article No.	Pipe DN mm	Ø Tool mm	Height mm	Segments	Price €
BL 11409	250-600	55	30	28	714,-
Discount group 2					



ProView®

“See-Through” Milling Tooling

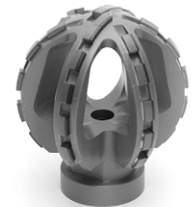
- The “propeller effect” created by the void spaces within the tooling makes it invisible, providing the operator an unobstructed view of the material worked on.
- The void spaces create a lightweight tooling design, reducing stress and wear on the robot’s drive components.

BLACK•LINE Ball milling cutter type *ProView®*

Field of application: Opening of laterals and inlet lines

Note: Only suitable for processing CIPP liners and PVC!

Article No.	Pipe DN mm	Ø Tool mm	Height mm	Segments	Price €
BL 11114	300-600	50	57	30	918,-
Discount group 2					



BLACK•LINE Double-cone milling cutter type *ProView®*

Field of application: Opening of laterals and inlet lines

Note: Only suitable for processing CIPP liners and PVC!

Article No.	Pipe DN mm	Ø Tool mm	Height mm	Segments	Price €
BL 11113	300-600	45	60	34	937,-
Discount group 2					

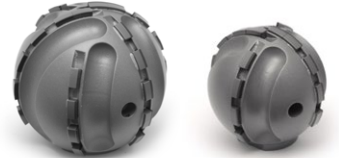


BLACK•LINE Ball milling cutter

Field of application: Opening of laterals and inlet lines,
 Removal of intruding obstacles

Note: Use on steel-reinforced concrete will destroy the cutting elements!

Article No.	Pipe DN mm	Ø Tool mm	Height mm	Segments	Price €
BL 11410	250-600	50	45	30	848,-
BL 11414	250-600	40	42	18	598,-
Discount group 2					

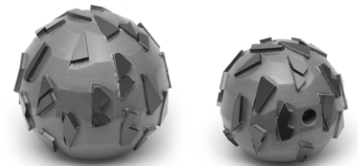


BLACK•LINE Ball milling cutter

Field of application: Opening of laterals and inlet lines

Note: Only suitable for processing CIPP liners and PVC!

Article No.	Pipe DN mm	Ø Tool mm	Height mm	Segments	Price €
BL 11410 U	250-600	50	45	Irregular	798,-
BL 11414 U	250-600	40	40	Irregular	563,-
Discount group 2					



HM•LINE Ball milling cutter

Field of application: Opening of laterals and inlet lines,
 Removal of intruding obstacles, CIPP liner finishing

Article No.	Pipe DN mm	Ø Tool mm	Height mm	Grit size mm	Price €
50001	250-600	50	50	2,0-3,0	99,-
50002	250-600	40	42	2,0-3,0	94,-
Discount group 3					



HM•LINE Mushroom-head milling cutter

Field of application: Removal of intruding obstacles, CIPP liner finishing

Article No.	Pipe DN mm	Ø Tool mm	Height mm	Grit size mm	Price €
50003	250-600	67	30	2,0-3,0	133,-
Discount group 3					



Extensions

Stainless steel

Article No.	Ø mm	Height mm	Price €
90120	30	30	40,-
90121	30	40	41,-
90122	30	50	42,-
Discount group 3			



Adapter

Stainless steel

Article No.	Description	Price €
SP 90110	Locking disc	6,-
90112	Adapter for mounting of wheel brushes and cutting discs	47,-
Discount group 3		



Brushes

Article No.	Description	Ø mm	Fitting mm	Price €
80018	Wheel brush	100	22,2	25,-
80020	Cup brush	65	M14	24,-
Net prices without discount!				





Premium Diamond Tooling for High-Performance Material Removal and Long Service Life

Materials to be processed:

- Concrete
- Reinforced concrete
- Deposits/fouling
- Cast iron
- Vitrified clay

Page 1



Field-Proven Standard Diamond Tooling with Outstanding Value for Purchase Investment

Materials to be processed:

- Concrete
- Reinforced concrete
- Deposits/fouling
- Cast iron
- Vitrified clay

Page 2 + 3



Innovative PCD Cutting Tooling For Fast and Precise Opening of CIPP Liners

Materials to be processed:

- CIPP liners
- PVC

Page 4



High-Tech PCD Tooling with Unbeatable Cutting Performance and Material Removal Rate

Materials to be processed:

- Concrete
- Vitrified clay
- Deposits/fouling
- CIPP liners
- PVC
- Roots

Page 5-7

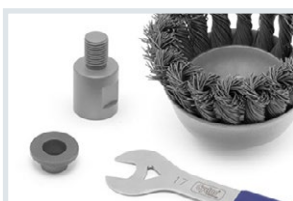


Carbide-Granulate Faced Tooling For Eye-Pleasing Finishes

Materials to be processed:

- CIPP liners
- PVC
- Roots

Page 8



Functional Accessories

High-quality brushes, adapters, extensions, etc.

Page 9



Mushroom-head milling cutter

Field of application: Surface grinding and milling

Article No.	Pipe DN mm	Ø Tool mm	Height mm	Segments	Price €
20024 P	200-300	70	30	18	222,-
20025 P	300-450	70	30	18	222,-
20026 P	450-600	70	30	18	222,-
Discount group 1					



Tapered milling cutter

Field of application: Preparatory milling of laterals, Removal of intruding laterals

Article No.	Pipe DN mm	Ø Tool mm	Height mm	Segments	Price €
20013 P	300-600	38/28	53	6	198,-
20027 P	200-300	36/28	32	6	162,-
Discount group 1					



Tapered milling cutter

Field of application: Preparatory milling of laterals, Removal of intruding laterals

Article No.	Pipe DN mm	Ø Tool mm	Height mm	Segments	Price €
20017 P	250-600	32/23	53	4	161,-
Discount group 1					



N•TEC II® Mushroom-head milling cutter

Field of application: Surface grinding and milling

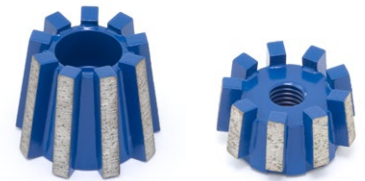
Article No.		Pipe DN mm	Ø Tool mm	Height mm	Segments	Price €
H1	H2					
20006	21006	200-300	70	30	10	183,-
20007	21007	300-450	70	30	10	183,-
20008	21008	450-600	70	30	10	183,-
Discount group 1						
20031	21031	200-300	70	30	15	216,-
20032	21032	300-450	70	30	15	216,-
20033	21033	450-600	70	30	15	216,-



N•TEC II® Tapered milling cutter

Field of application: Preparatory milling of laterals, Removal of intruding laterals

Article No.		Pipe DN mm	Ø Tool mm	Height mm	Segments	Price €
H1	H2					
20004	21004	300-600	50/40	40	9	192,-
20001	21001	200-300	50/45	25	9	149,-
Discount group 1						



N•TEC II® Inlet milling cutter

Field of application: Preparatory milling of laterals, Removal of intruding laterals

Article No.		Pipe DN mm	Ø Tool mm	Height mm	Segments	Price €
H1	H2					
20015	21015	250-600	68	33	16	201,-
Discount group 1						



N•TEC II® Finger milling cutter

Field of application: Preparatory milling of cracks and sockets

Article No.	Pipe DN mm	Ø Tool mm	Height mm	Segments	Price €
21003	250-600	30	55	5	136,-
Discount group 1					



N•TEC II® Slot milling cutter

Field of application: Preparatory milling of cracks and sockets

Article No.	Pipe DN mm	Ø Tool mm	Height mm	Segments	Price €
20009	250-600	18	50	1	136,-
Discount group 1					



N•TEC II® Ball milling cutter

Field of application: Removal of intruding laterals and obstacles

Article No.	Pipe DN mm	Ø Tool mm	Height mm	Segments	Price €
20020	250-600	50	46	19	229,-
20021	250-600	40	37	13	169,-
Discount group 1					



INNOVATIVE TOOLING FOR OPENING OF CIPP LINERS.

- Virtually vibration-free milling, without bounce-out or lateral displacement
- Precise, effective material removal
- Highly efficient drive power transmission
- Reduces stress and wear on drive shaft and bearings

linerCUT Pro® Tapered milling cutter with tungsten carbide tip

Field of application: Opening of laterals and inlet lines

Note: Only suitable for processing CIPP liners and PVC!

Article No.	Pipe DN mm	Ø Tool mm	Height mm	Segments	Price €
BL 11437	250-600	28/18	45	14	557,-
Discount group 2					



linerCUT Pro® Tapered milling cutter with tungsten carbide tip

Field of application: Opening of laterals and inlet lines

Note: Only suitable for processing CIPP liners and PVC!

Article No.	Pipe DN mm	Ø Tool mm	Height mm	Segments	Price €
BL 11438	200-450	30/18	35	10	473,-
Discount group 2					

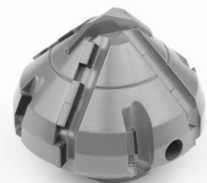


linerCUT Pro® Taper/cylinder milling cutter with tungsten carbide tip

Field of application: Opening of laterals and inlet lines

Note: Only suitable for processing CIPP liners and PVC!

Article No.	Pipe DN mm	Ø Tool mm	Height mm	Segments	Price €
BL 11439	250-600	45	40	22	737,-
BL 11441	250-600	55/20	46	24	791,-
Discount group 2					



BLACK•LINE Mushroom-head milling cutter

Field of application: Surface milling, Removal of intruding obstacles,
Milling of offset socket transitions

Note: Use on steel-reinforced concrete will destroy the cutting elements!

Article No.	Pipe DN mm	Ø Tool mm	Height mm	Segments	Price €
BL 11401	250-600	75	27	32	773,-
BL 11426	250-600	63	25	28	680,-
Discount group 2					



BLACK•LINE Mushroom-head milling cutter, center cutting

Field of application: Frontal and surface milling, Removal of intruding obstacles,
Milling of offset socket transitions

Note: Use on steel-reinforced concrete will destroy the cutting elements!

Article No.	Pipe DN mm	Ø Tool mm	Height mm	Segments	Price €
BL 11402	250-600	75	33	34	885,-
BL 11427	250-600	65	27	30	789,-
Discount group 2					



BLACK•LINE Inlet milling cutter

Field of application: Opening and preparatory milling of laterals and inlet lines,
Removal of intruding laterals and obstacles

Note: Use on steel-reinforced concrete will destroy the cutting elements!

Article No.	Pipe DN mm	Ø Tool mm	Height mm	Segments	Price €
BL 11409	250-600	55	30	28	714,-
Discount group 2					



ProView®

“See-Through” Milling Tooling

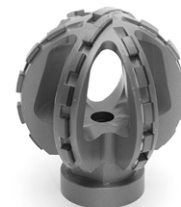
- The “propeller effect” created by the void spaces within the tooling makes it invisible, providing the operator an unobstructed view of the material worked on.
- The void spaces create a lightweight tooling design, reducing stress and wear on the robot’s drive components.

BLACK•LINE Ball milling cutter type *ProView®*

Field of application: Opening of laterals and inlet lines

Note: Only suitable for processing CIPP liners and PVC!

Article No.	Pipe DN mm	Ø Tool mm	Height mm	Segments	Price €
BL 11114	300-600	50	57	30	918,-
Discount group 2					



BLACK•LINE Double-cone milling cutter type *ProView®*

Field of application: Opening of laterals and inlet lines

Note: Only suitable for processing CIPP liners and PVC!

Article No.	Pipe DN mm	Ø Tool mm	Height mm	Segments	Price €
BL 11113	300-600	45	60	34	937,-
Discount group 2					

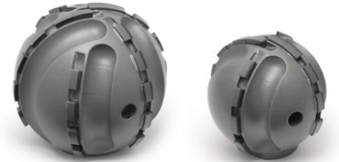


BLACK•LINE Ball milling cutter

Field of application: Opening of laterals and inlet lines,
 Removal of intruding obstacles

Note: Use on steel-reinforced concrete will destroy the cutting elements!

Article No.	Pipe DN mm	Ø Tool mm	Height mm	Segments	Price €
BL 11410	250-600	50	45	30	848,-
BL 11414	250-600	40	42	18	598,-
Discount group 2					

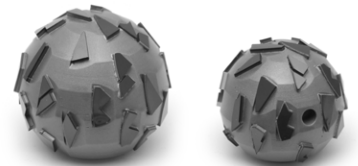


BLACK•LINE Ball milling cutter

Field of application: Opening of laterals and inlet lines

Note: Only suitable for processing CIPP liners and PVC!

Article No.	Pipe DN mm	Ø Tool mm	Height mm	Segments	Price €
BL 11410 U	250-600	50	45	Irregular	798,-
BL 11414 U	250-600	40	40	Irregular	563,-
Discount group 2					



HM•LINE Ball milling cutter

Field of application: Opening of laterals and inlet lines,
 Removal of intruding obstacles, CIPP liner finishing

Article No.	Pipe DN mm	Ø Tool mm	Height mm	Grit size mm	Price €
50001	250-600	50	50	2,0-3,0	99,-
50002	250-600	40	42	2,0-3,0	94,-
Discount group 3					



HM•LINE Mushroom-head milling cutter

Field of application: Removal of intruding obstacles, CIPP liner finishing

Article No.	Pipe DN mm	Ø Tool mm	Height mm	Grit size mm	Price €
50003	250-600	67	30	2,0-3,0	133,-
Discount group 3					



Extensions

Stainless steel

Article No.	Ø mm	Height mm	Price €
90120	30	30	40,-
90121	30	40	41,-
90122	30	50	42,-
Discount group 3			



Adapter

Stainless steel

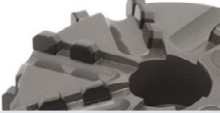
Article No.	Description	Price €
SP 90110	Locking disc	6,-
90112	Adapter for mounting of wheel brushes and cutting discs	47,-
90129	Adapter Sika 1/2" to M14	49,-
Discount group 3		



Brushes

Article No.	Description	Ø mm	Fitting mm	Price €
80018	Wheel brush	100	22,2	25,-
80020	Cup brush	65	M14	24,-
Net prices without discount!				



	Field-Proven Standard Diamond Tooling with Outstanding Value for Purchase Investment Materials to be processed: • Concrete • Reinforced concrete • Deposits/fouling • Cast iron • Vitrified clay	Page 1
	High-Tech PCD Tooling with Unbeatable Cutting Performance and Material Removal Rate Materials to be processed: • CIPP liners • PVC	Page 2 + 3
	Functional Accessories High-quality brushes, adapters, extensions, etc.	Page 4

N•TEC II® Mushroom-head milling cutter

Field of application: Removal of intruding laterals, Surface grinding and milling,
Milling of offset socket transitions

Article No.	Pipe DN mm	Ø Tool mm	Height mm	Segments	Price €
SW 00005	300-600	97	30	12	326,-
Discount group 4					



N•TEC II® Mushroom-head milling cutter

Field of application: Removal of intruding laterals, Surface grinding and milling,
Milling of offset socket transitions

Article No.	Pipe DN mm	Ø Tool mm	Height mm	Segments	Price €
SW 00006	200-600	70	30	12	231,-
Discount group 4					



BLACK•LINE Ball milling cutter

Field of application: Opening of laterals and inlet lines

Note: Only suitable for processing CIPP liners and PVC!

Article No.	Pipe DN mm	Ø Tool mm	Height mm	Segments	Price €
SW 00004	300-600	70	75	Irregular	933,-
Discount group 5					



BLACK•LINE Ball milling cutter

Field of application: Opening of laterals and inlet lines

Note: Only suitable for processing CIPP liners and PVC!

Article No.	Pipe DN mm	Ø Tool mm	Height mm	Segments	Price €
SW 00002	200-600	50	55	Irregular	773,-
Discount group 5					



BLACK•LINE Taper/cylinder milling cutter with tungsten carbide tip

Field of application: Opening of laterals and inlet lines

Note: Only suitable for processing CIPP liners and PVC!

Article No.	Pipe DN mm	Ø Tool mm	Height mm	Segments	Price €
SW 00003	300-600	70	60	Irregular	944,-
Discount group 5					



BLACK•LINE Taper/cylinder milling cutter with tungsten carbide tip

Field of application: Opening of laterals and inlet lines

Note: Only suitable for processing CIPP liners and PVC!

Article No.	Pipe DN mm	Ø Tool mm	Height mm	Segments	Price €
SW 00001	200-600	50	60	Irregular	738,-
Discount group 5					



Extensions

Stainless steel

Article No.	Ø mm	Height mm	Price €
90120	30	30	40,-
90121	30	40	41,-
90122	30	50	42,-
Discount group 3			



Adapter

Stainless steel

Article No.	Description	Price €
SP 90110	Locking disc	6,-
90112	Adapter for mounting of wheel brushes and cutting discs	47,-
Discount group 3		



Brushes

Article No.	Description	Ø mm	Fitting mm	Price €
80018	Wheel brush	100	22,2	25,-
80020	Cup brush	65	M14	24,-
Net prices without discount!				





Premium Diamond Tooling for High-Performance Material Removal and Long Service Life

Materials to be processed:

- Concrete
- Reinforced concrete
- Vitrified clay
- Deposits/fouling
- Cast iron

Page 1



Field-Proven Standard Diamond Tooling with Outstanding Value for Purchase Investment

Materials to be processed:

- Concrete
- Reinforced concrete
- Vitrified clay
- Deposits/fouling
- Cast iron

Page 2



Innovative PCD Cutting Tooling For Fast and Precise Opening of CIPP Liners

Materials to be processed:

- CIPP liners
- PVC

Page 3



High-Tech PCD Tooling with Unbeatable Cutting Performance and Material Removal Rate

Materials to be processed:

- Concrete
- Vitrified clay
- Deposits/fouling
- CIPP liners
- PVC
- Roots

Page 3



Carbide-Granulate Faced Tooling For Eye-Pleasing Finishes

Materials to be processed:

- CIPP liners
- PVC
- Roots

Page 4

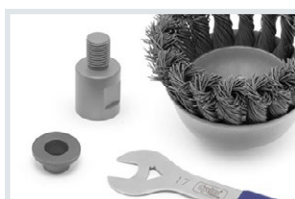


Specialty Milling Tooling for Processing of Metals

Materials to be processed:

- Cast iron
- Steel

Page 4



Functional Accessories

High-quality brushes, adapters, extensions, etc.

Page 5



Mushroom-head milling cutter

Field of application: Surface grinding and milling

Article No.	Pipe DN mm	Ø Tool mm	Height mm	Segments	Price €
20011 P	100-400	46	25	10	169,-
Discount group 1					



Tapered milling cutter

Field of application: Preparatory milling of laterals, Removal of intruding laterals

Article No.	Pipe DN mm	Ø Tool mm	Height mm	Segments	Price €
20010 P	100-400	30/28	20	5	139,-
Discount group 1					



Ball milling cutter

Field of application: Removal of intruding laterals and obstacles

Article No.	Pipe DN mm	Ø Tool mm	Height mm	Segments	Price €
20021 P	100-400	40	37	13	222,-
Discount group 1					



N•TEC II® Mushroom-head milling cutter

Field of application: Surface grinding and milling

Article No.	Pipe DN mm	Ø Tool mm	Height mm	Segments	Price €
20011	100-400	45	23	10	143,-
Discount group 1					



N•TEC II® Tapered milling cutter

Field of application: Preparatory milling of laterals, Removal of intruding laterals

Article No.	Pipe DN mm	Ø Tool mm	Height mm	Segments	Price €
20010	100-400	30/27	20	5	113,-
Discount group 1					



N•TEC II® Ball milling cutter

Field of application: Removal of intruding laterals and obstacles

Article No.	Pipe DN mm	Ø Tool mm	Height mm	Segments	Price €
20021	100-400	40	37	13	169,-
Discount group 1					



INNOVATIVE TOOLING FOR OPENING OF CIPP LINERS.

- Virtually vibration-free milling, without bounce-out or lateral displacement
- Precise, effective material removal
- Highly efficient drive power transmission
- Reduces stress and wear on drive shaft and bearings

linerCUT Pro® Tapered milling cutter with tungsten carbide tip

Field of application: Opening of laterals and inlet lines

Note: Only suitable for processing CIPP liners and PVC!

Article No.	Pipe DN mm	Ø Tool mm	Height mm	Segments	Price €
BL 11440	100-400	22/15	35	10	473,-
Discount group 2					



BLACK•LINE Mushroom-head milling cutter

Field of application: Surface milling, Removal of intruding obstacles,

Milling of offset socket transitions

Note: Use on steel-reinforced concrete will destroy the cutting elements!

Article No.	Pipe DN mm	Ø Tool mm	Height mm	Segments	Price €
BL 11411	100-400	45	20	10	455,-
Discount group 2					

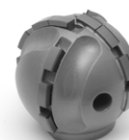


BLACK•LINE Ball milling cutter

Field of application: Opening of laterals and inlet lines, Removal of intruding obstacles

Note: Use on steel-reinforced concrete will destroy the cutting elements!

Article No.	Pipe DN mm	Ø Tool mm	Height mm	Segments	Price €
BL 11408	100-400	30	32	14	505,-
Discount group 2					



BLACK•LINE Ball milling cutter

Field of application: Opening of laterals and inlet lines

Note: Only suitable for processing CIPP liners and PVC!

Article No.	Pipe DN mm	Ø Tool mm	Height mm	Segments	Price €
BL 11408 U	100-400	30	32	Irregular	475,-
Discount group 2					



HM•LINE Half-ball milling cutter

Field of application: Opening of laterals and inlet lines,
Removal of intruding obstacles, CIPP liner finishing

Article No.	Pipe DN mm	Ø Tool mm	Height mm	Grit size mm	Price €
50004	100-400	40	30	2,0-3,0	98,-
Discount group 3					



HM•LINE Ball milling cutter

Field of application: Opening of laterals and inlet lines,
Removal of intruding obstacles, CIPP liner finishing

Article No.	Pipe DN mm	Ø Tool mm	Height mm	Grit size mm	Price €
50005	100-400	30	32	2,0-3,0	93,-
Discount group 3					



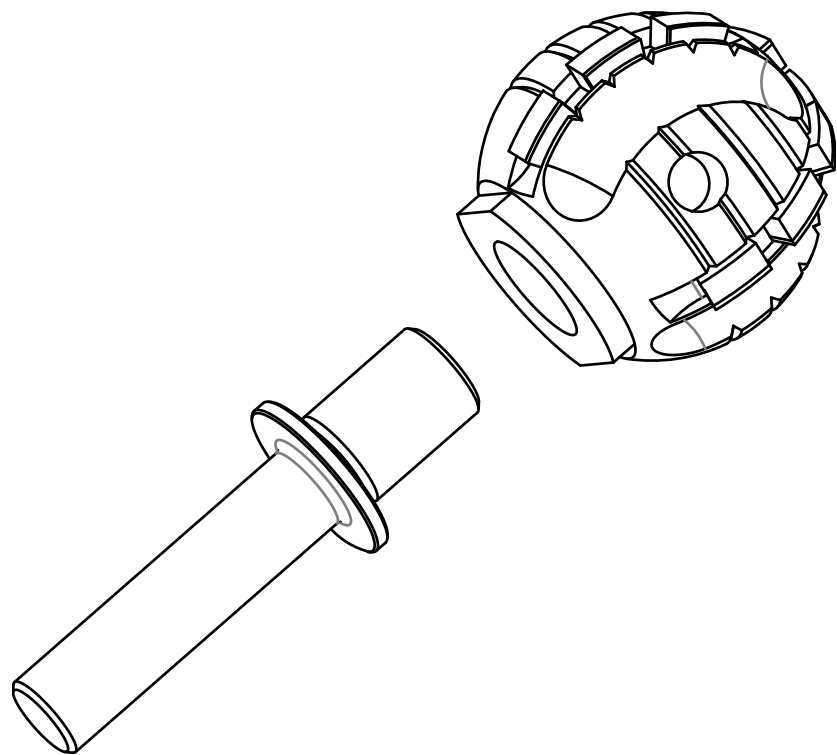
VHM•LINE Tungsten Carbide Bur

Field of application: Milling of steel and cast iron

Note: Use on concrete or vitrified clay will destroy the cutting elements!

Article No.	Description	Ø Tool mm	Height mm	Price €
60001 M10x0,75	Oval shaped	16	58	270,-
60002 M10x0,75	Ball shaped	25	56	337,-
Discount group 3				





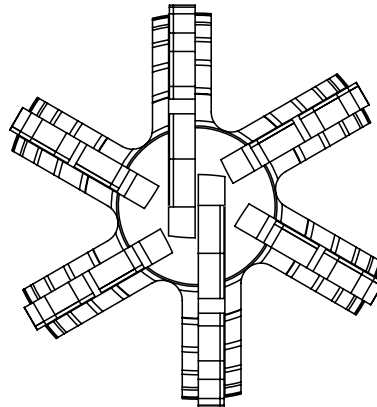
Adapter for collet chuck
ProKasro Electric 2000 Watt Motor

Stainless steel

Article No.	Ø Shaft mm	H Shaft mm	Fitting	Price €
90131	8	34	M10 x 0,75	42,-
90135	8	34	M14H7	58,-
Discount group 3				



Tooling for adapter with M14H7 mount can be found in Chapter 8

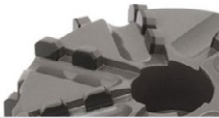


ProView®

“See-Through” Milling Tooling

- The “propeller effect” created by the void spaces within the tooling makes it invisible, providing the operator an unobstructed view of the material worked on.
- The void spaces create a lightweight tooling design, reducing stress and wear on the robot's drive components.

BLACK•LINE



High-Tech PCD Tooling with Unbeatable Cutting Performance and Material Removal Rate

- Materials to be processed:
- CIPP liners
 - PVC
 - Roots

Page 1

N•TEC II® PREMIUM



Premium Diamond Tooling for High-Performance Material Removal and Long Service Life

- Materials to be processed:
- Concrete
 - Reinforced concrete
 - Vitrified clay
 - Deposits/fouling
 - Cast iron

Page 1

HM•LINE



Carbide-Granulate Faced Tooling For Eye-Pleasing Finishes

- Materials to be processed:
- CIPP liners
 - PVC
 - Roots

Page 2

VHM•LINE



Specialty Milling Tooling for Processing of Metals

- Materials to be processed:
- Cast iron
 - Steel

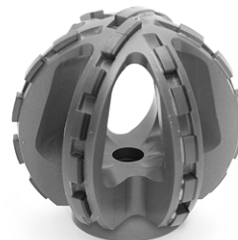
Page 2

BLACK•LINE Ball milling cutter type *ProView*[®]

Field of application: Opening of laterals and inlet lines,
Removal of intruding obstacles

Note: Only suitable for processing CIPP liners, PVC and for cutting roots!

Article No.	Ø Tool mm	Height mm	Segments	Price €
BL 11108	50	46	30	918,-
Discount group 2				

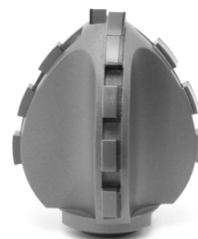


BLACK•LINE Double-cone milling cutter type *ProView*[®]

Field of application: Opening of laterals and inlet lines,
Removal of intruding obstacles

Note: Only suitable for processing CIPP liners, PVC and for cutting roots!

Article No.	Ø Tool mm	Height mm	Segments	Price €
BL 11107	36	41	16	619,-
Discount group 2				



N•TEC II Ball milling cutter type *ProView*[®]

Field of application: Removal of intruding laterals and obstacles

Article No.	Ø Tool mm	Height mm	Segments	Price €
20102 P	50	44	19	281,-
Discount group 1				



HM•LINE Ball milling cutter type ProView®

Field of application: Opening of laterals and inlet lines,
Removal of intruding obstacles, CIPP liner finishing

Article No.	Ø Tool mm	Height mm	Grit size mm	Price €
50203	45	42	2,0-3,0	171,-
Discount group 3				



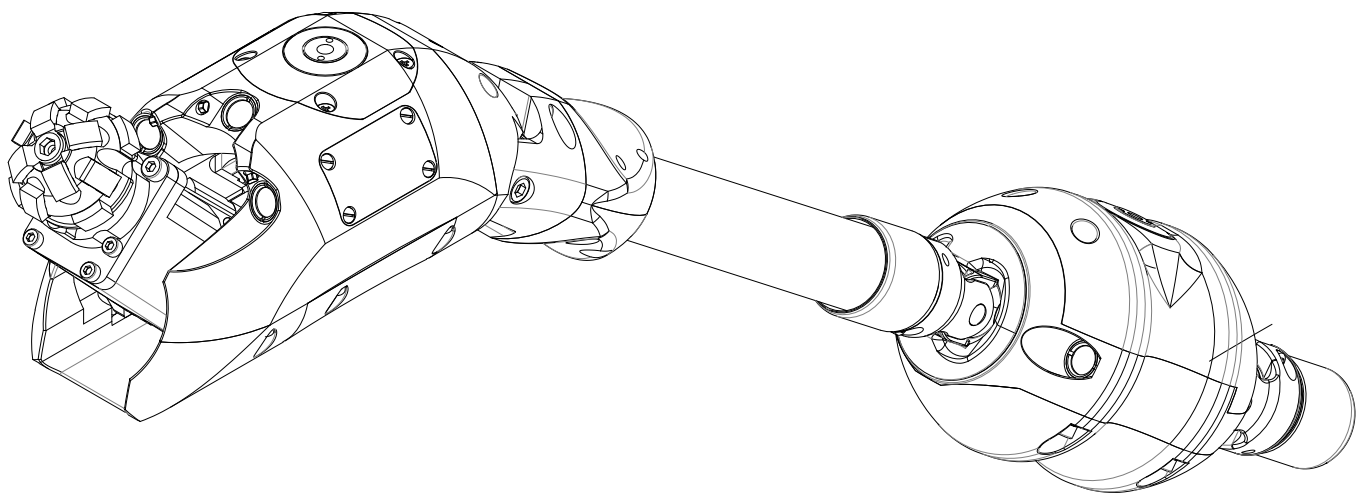
VHM•LINE Tungsten Carbide Bur

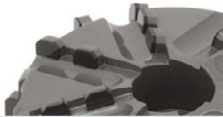
Field of application: Milling of steel and cast iron

Note: Use on concrete or vitrified clay will destroy the cutting elements!

Article No.	Description	Ø Tool mm	Height mm	Price €
60001 M10SG	Oval shaped	16	51	270,-
60002 M10SG	Ball shaped	25	49	337,-
Discount group 3				





 	High-Tech PCD Tooling with Unbeatable Cutting Performance and Material Removal Rate Materials to be processed: • CIPP liners • PVC • Roots	Page 1
 	Field-Proven Standard Diamond Tooling with Outstanding Value for Purchase Investment Materials to be processed: • Concrete • Reinforced concrete • Vitrified clay • Deposits/fouling • Cast iron	Page 1
 	Carbide-Granulate Faced Tooling For Eye-Pleasing Finishes Materials to be processed: • CIPP liners • PVC • Roots	Page 1

BLACK•LINE Half-ball milling cutter

Field of application: Opening of laterals and inlet lines,
Removal of intruding obstacles

Note: Only suitable for processing CIPP liners, PVC and for cutting roots!

Article No.	Ø Tool mm	Height mm	Segments	Price €
BL 11501	43	27	12	588,-
Discount group 2				



N•TEC II Half-ball milling cutter

Field of application: Removal of intruding laterals and obstacles

Article No.	Ø Tool mm	Height mm	Segments	Price €
20501	43	27	12	196,-
Discount group 1				

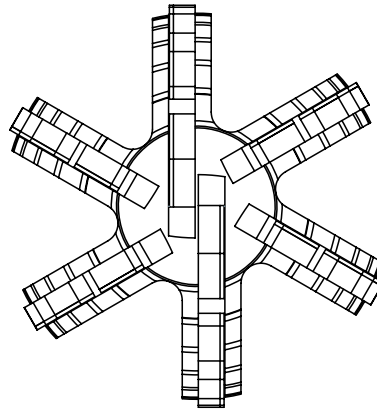


HM•LINE Half-ball milling cutter

Field of application: Opening of laterals and inlet lines,
Removal of intruding obstacles, CIPP liner finishing

Article No.	Ø Tool mm	Height mm	Grit size mm	Price €
50501	43	27	1,2-1,8	148,-
Discount group 3				



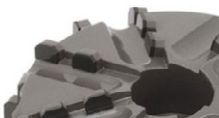


ProView®

“See-Through” Milling Tooling

- The “propeller effect” created by the void spaces within the tooling makes it invisible, providing the operator an unobstructed view of the material worked on.
- The void spaces create a lightweight tooling design, reducing stress and wear on the robot’s drive components.

BLACK•LINE



High-Tech PCD Tooling with Unbeatable Cutting Performance and Material Removal Rate

Materials to be processed:

- CIPP liners
- PVC
- Roots

Page 1

N•TEC II[®] PREMIUM



Premium Diamond Tooling for High-Performance Material Removal and Long Service Life

Materials to be processed:

- Concrete
- Reinforced concrete
- Vitrified clay
- Deposits/fouling
- Cast iron

Page 2

HM•LINE



Carbide-Granulate Faced Tooling For Eye-Pleasing Finishes

Materials to be processed:

- CIPP liners
- PVC
- Roots

Page 2

BLACK•LINE Ball milling cutter type *ProView*®

Field of application: Opening of laterals and inlet lines,

Removal of intruding obstacles

Note: Only suitable for processing CIPP liners, PVC and for cutting roots!

Article No.	Ø Tool mm	Height mm	Segments	Price €
BL 11101	32	30	14	569,-
BL 11103	40	38	18	643,-
Discount group 2				



BLACK•LINE Half-ball milling cutter type *ProView*®

Field of application: Opening of laterals and inlet lines,

Removal of intruding obstacles

Note: Only suitable for processing CIPP liners, PVC and for cutting roots!

Article No.	Ø Tool mm	Height mm	Segments	Price €
BL 11105	30	20	10	522,-
BL 11106	40	24	12	559,-
Discount group 2				



BLACK•LINE Double-cone milling cutter type *ProView*®

Field of application: Opening of laterals and inlet lines,

Removal of intruding obstacles

Note: Only suitable for processing CIPP liners, PVC and for cutting roots!

Article No.	Ø Tool mm	Height mm	Segments	Price €
BL 11107	36	41	16	619,-
Discount group 2				





Ball milling cutter type *ProView*®

Field of application: Removal of intruding laterals and obstacles

Article No.	Ø Tool mm	Height mm	Segments	Price €
20101 P	38	33	13	226,-
Discount group 1				



Half-ball milling cutter type *ProView*®

Field of application: Removal of intruding laterals and obstacles

Article No.	Ø Tool mm	Height mm	Segments	Price €
20103 P	36	24	7	188,-
Discount group 1				



Ball milling cutter type *ProView*®

Field of application: Opening of laterals and inlet lines,
Removal of intruding obstacles, CIPP liner finishing

Article No.	Ø Tool mm	Height mm	Grit size mm	Price €
50201	34	30	2,0-3,0	155,-
Discount group 3				



Half-ball milling cutter type *ProView*®

Field of application: Opening of laterals and inlet lines,
Removal of intruding obstacles, CIPP liner finishing

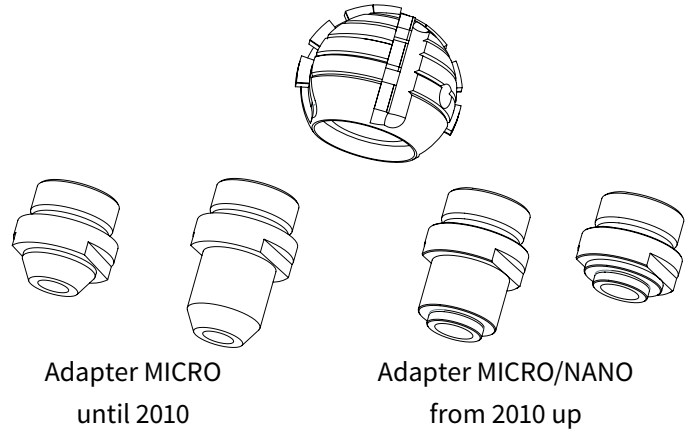
Article No.	Ø Tool mm	Height mm	Grit size mm	Price €
50202	32	21	2,0-3,0	126,-
Discount group 3				



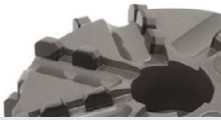
CHANGEOVER-SYSTEM

Advantages of this milling tooling series:

- Modular design permits use of the same milling tooling on various tooling mounts.
- Available in short or long design.



BLACK•LINE



High-Tech PCD Tooling with Unbeatable Cutting Performance and Material Removal Rate

- Materials to be processed:
- CIPP liners
 - PVC
 - Roots

Page 3

N•TEC II®



Field-Proven Standard Diamond Tooling with Outstanding Value for Purchase Investment

- Materials to be processed:
- Concrete
 - Reinforced concrete
 - Vitrified clay
 - Deposits/fouling
 - Cast iron

Page 4

HM•LINE



Carbide-Granulate Faced Tooling For Eye-Pleasing Finishes

- Materials to be processed:
- CIPP liners
 - PVC
 - Roots

Page 5

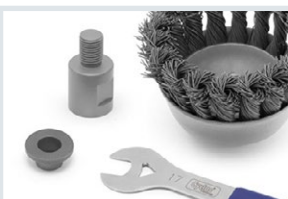
VHM•LINE



Specialty Milling Tooling for Processing of Metals

- Materials to be processed:
- Cast iron
 - Steel

Page 6



Functional Accessories

High-quality brushes, adapters, extensions, etc.

Page 7

BLACK•LINE Inlet milling cutter

Field of application: Opening of laterals and inlet lines, Removal of intruding obstacles

Note: Only suitable for processing CIPP liners, PVC and for cutting roots!

Article No.	Ø Tool mm	Height mm	Segments	Price €
BL 11436	50	25	28	869,-
Discount group 2				

Note: Tools can only be used with matching adapter!



BLACK•LINE Ball milling cutter

Field of application: Opening of laterals and inlet lines, Removal of intruding obstacles

Note: Only suitable for processing CIPP liners, PVC and for cutting roots!

Article No.	Ø Tool mm	Height mm	Segments	Price €
BL 11434	32	25	12	445,-
BL 11435	36	30	14	466,-
Discount group 2				

Note: Tools can only be used with matching adapter!



BLACK•LINE Half-ball milling cutter

Field of application: Opening of laterals and inlet lines, Removal of intruding obstacles

Note: Only suitable for processing CIPP liners, PVC and for cutting roots!

Article No.	Ø Tool mm	Height mm	Segments	Price €
BL 11433	40	20	12	444,-
Discount group 2				

Note: Tools can only be used with matching adapter!



Stainless steel adapter IMS MICRO (until 2010)

Article No.	Description	Price €
91003	short	19,-
91004	long	21,-
Discount group 3		



Stainless steel adapter IMS MICRO (from 2010 up) and NANO

MICRO		NANO		Price €
91001	short	91005	short	19,-
91002	long	91006	long	21,-
Discount group 3				

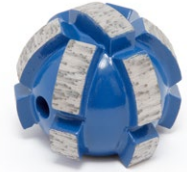


N•TEC II® Ball milling cutter

Field of application: Removal of intruding laterals and obstacles

Article No.	Ø Tool mm	Height mm	Segments	Price €
20030	38	30	13	171,-
Discount group 1				

Note: Tools can only be used with matching adapter!



N•TEC II® Half-ball milling cutter

Field of application: Removal of intruding laterals and obstacles

Article No.	Ø Tool mm	Height mm	Segments	Price €
20029	36	21	7	153,-
Discount group 1				

Note: Tools can only be used with matching adapter!



Stainless steel adapter IMS MICRO (until 2010)

Article No.	Description	Price €
91003	short	19,-
91004	long	21,-
Discount group 3		



Stainless steel adapter IMS MICRO (from 2010 up) and NANO

MICRO		NANO		Price €
91001	short	91005	short	19,-
91002	long	91006	long	21,-
Discount group 3				



HM•LINE Ball milling cutter

Field of application: Opening of laterals and inlet lines,
 Removal of intruding obstacles, CIPP liner finishing

Article No.	Ø Tool mm	Height mm	Grit size mm	Price €
50011	30	26	2,0–3,0	104,-
Discount group 3				

Note: Tools can only be used with matching adapter!



HM•LINE Half-ball milling cutter

Field of application: Opening of laterals and inlet lines,
 Removal of intruding obstacles, CIPP liner finishing

Article No.	Ø Tool mm	Height mm	Grit size mm	Price €
50010	40	20	2,0–3,0	96,-
Discount group 3				

Note: Tools can only be used with matching adapter!



Stainless steel adapter IMS MICRO (until 2010)

Article No.	Description	Price €
91003	short	19,-
91004	long	21,-
Discount group 3		



Stainless steel adapter IMS MICRO (from 2010 up) and NANO

MICRO		NANO		Price €
91001	short	91005	short	19,-
91002	long	91006	long	21,-
Discount group 3				



VHM•LINE Tungsten Carbide Bur

Field of application: Milling of steel and cast iron

Note: Use on concrete or vitrified clay will destroy the cutting elements!



Article No.	Description	Ø Tool mm	Height mm	Price €
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IMS MICRO (from 2010 up)

60001 M10SG	Oval shaped	16	51	270,-
60002 M10SG	Ball shaped	25	49	337,-

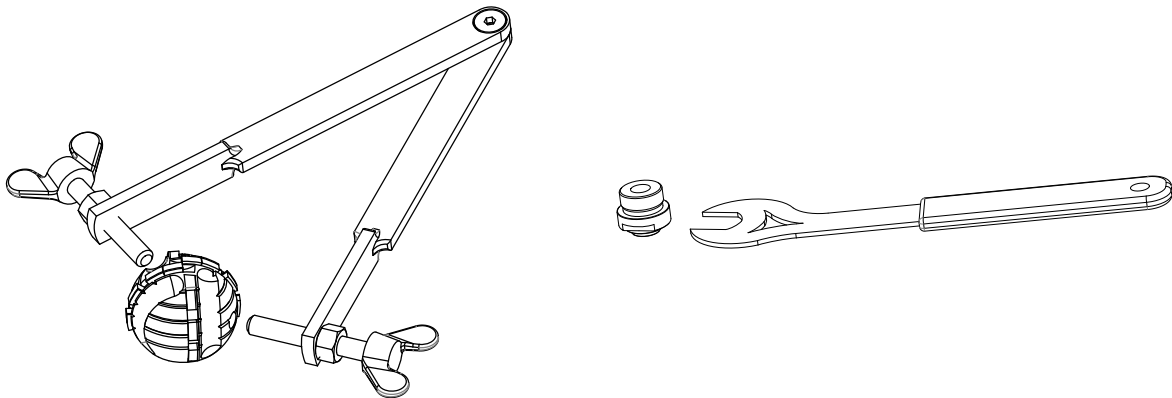
IMS NANO

60001 M7SG	Oval shaped	16	52	270,-
60002 M7SG	Ball shaped	25	40	337,-

IMS MICRO (until 2010)

60001 M8/60° Cone	Oval shaped	16	48	270,-
60002 M8/60° Cone	Ball shaped	25	44	337,-

Discount group 3



Pin-tipped tongs

Article No.	Description	Price €
92002	Pin-tipped tongs	21,-
Net prices without discount!		



Open-end wrench

Article No.	Description	Price €
92001	Open-end wrench SW 17	10,-
Net prices without discount!		



Wheel brush

Article No.	Description	Ø mm	Mounting hole mm	Price €
80025	Wheel brush	45	12,7	9,-
Net prices without discount!				



Adapter for mounting of two wheel brushes

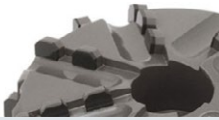
Stainless steel

Article No.	Robot-Type	Ø mm	Height mm	Price €
91009	IMS MICRO (from 2010 up)	20	32	62,-
91007	IMS NANO	20	32	62,-
91008	IMS MICRO (until 2010)	20	32	62,-
Discount group 3				



Hächler Climb	3/8" UNF	Bodus Cutter MWR 10/20	M16
Hächler Climbolino	1/4" UNC	IBAK robotics FlexiGator	M12 x 1,5
RS Cutter/SE Cutter	3/8" UNF	IBG HydroCut 60	M14
Dan Cutter	3/8" UNF	IMS MIDI/MINI	5/8" UNC
Bodus Cutter Micro	3/8" UNF	Pipetronics Sewer Train	M8

BLACK•LINE



High-Tech PCD Tooling with Unbeatable Cutting Performance and Material Removal Rate

Materials to be processed:

- CIPP liners
- PVC
- Roots

Page 1 + 2

N•TEC II®



Field-Proven Standard Diamond Tooling with Outstanding Value for Purchase Investment

Materials to be processed:

- Concrete
- Reinforced concrete
- Vitrified clay
- Deposits/fouling
- Cast iron

Page 3

HM•LINE



Carbide-Granulate Faced Tooling For Eye-Pleasing Finishes

Materials to be processed:

- CIPP liners
- PVC
- Roots

Page 3

VHM•LINE

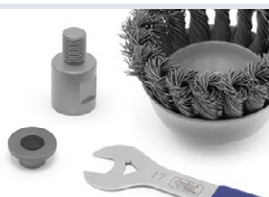


Specialty Milling Tooling for Processing of Metals

Materials to be processed:

- Cast iron
- Steel

Page 4



Functional Accessories

High-quality brushes, adapters, extensions, etc.

Page 5

ProView®

“See-Through” Milling Tooling

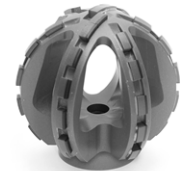
- The “propeller effect” created by the void spaces within the tooling makes it invisible, providing the operator an unobstructed view of the material worked on.
- The void spaces create a lightweight tooling design, reducing stress and wear on the robot’s drive components.

BLACK•LINE Ball milling cutter type *ProView®*

Field of application: Opening of laterals and inlet lines, Removal of intruding obstacles

Note: Only suitable for processing CIPP liners, PVC and for cutting roots!

Article No.	Ø Tool mm	Height mm	Segments	Price €
BL 11108	50	46	30	918,-
Discount group 2				



BLACK•LINE Ball milling cutter type *ProView®*

Field of application: Opening of laterals and inlet lines, Removal of intruding obstacles

Note: Only suitable for processing CIPP liners, PVC and for cutting roots!

Article No.	Ø Tool mm	Height mm	Segments	Price €
BL 11110	40	38	18	672,-
Discount group 2				



BLACK•LINE Double-cone milling cutter type *ProView®*

Field of application: Opening of laterals and inlet lines, Removal of intruding obstacles

Note: Only suitable for processing CIPP liners, PVC and for cutting roots!

Article No.	Ø Tool mm	Height mm	Segments	Price €
BL 11112	36	41	16	648,-
Discount group 2				



BLACK-LINE Ball milling cutter

Field of application: Opening of laterals and inlet lines, Removal of intruding obstacles

Note: Only suitable for processing CIPP liners, PVC and for cutting roots!

Article No.	Ø Tool mm	Height mm	Segments	Price €
BL 11410	50	45	30	848,-
BL 11414	40	42	18	598,-
BL 11408	30	32	14	505,-
Discount group 2				



BLACK-LINE Ball milling cutter

Field of application: Opening of laterals and inlet lines

Note: Only suitable for processing CIPP liners and PVC!

Article No.	Ø Tool mm	Height mm	Segments	Price €
BL 11410 U	50	45	Irregular	798,-
BL 11414 U	40	40	Irregular	563,-
BL 11408 U	30	32	Irregular	475,-
Discount group 2				



BLACK-LINE Half-ball milling cutter

Field of application: Opening of laterals and inlet lines, Removal of intruding obstacles

Note: Only suitable for processing CIPP liners, PVC and for cutting roots!

Article No.	Ø Tool mm	Height mm	Segments	Price €
BL 11428	40	25	12	586,-
BL 11429	30	20	8	491,-
Discount group 2				



N•TEC II® Ball milling cutter

Field of application: Removal of intruding laterals and obstacles

Article No.	Ø Tool mm	Height mm	Segments	Price €
20020	50	46	19	229,-
20021	40	37	13	169,-
Discount group 1				



N•TEC II® Half-ball milling cutter

Field of application: Removal of intruding laterals and obstacles

Article No.	Ø Tool mm	Height mm	Segments	Price €
20034	50	29	13	199,-
20035	36	25	7	153,-
Discount group 1				



HM•LINE Ball milling cutter

Field of application: Opening of laterals and inlet lines,
Removal of intruding obstacles, CIPP liner finishing

Article No.	Ø Tool mm	Height mm	Grit size mm	Price €
50001	50	50	2,0-3,0	99,-
50002	40	42	2,0-3,0	94,-
50005	30	32	2,0-3,0	93,-
Discount group 3				



HM•LINE Half-ball milling cutter

Field of application: Opening of laterals and inlet lines,
Removal of intruding obstacles, CIPP liner finishing

Article No.	Ø Tool mm	Height mm	Grit size mm	Price €
50004	40	30	2,0-3,0	98,-
50009	30	20	2,0-3,0	96,-
Discount group 3				



Hächler Climb	3/8" UNF
Hächler Climbolino	1/4" UNC
RS Cutter/SE Cutter	3/8" UNF
Dan Cutter	3/8" UNF
Bodus Cutter Micro	3/8" UNF

Bodus Cutter MWR 10/20	M16
IBAK robotics FlexiGator	M12 x 1,5
IBG HydroCut 60	M14
IMS MIDI/MINI	5/8" UNC
Pipetronics Sewer Train	M8

VHM•LINE Tungsten Carbide Bur

Field of application: Milling of steel and cast iron

Note: Use on concrete or vitrified clay will destroy the cutting elements!



Article No.	Description	Ø Tool mm	Height mm	Price €
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Hächler Climb

60001 3/8"UNF	Oval shaped	16	58	270,-
60002 3/8"UNF	Ball shaped	25	56	337,-

Hächler Climbolino

60001 1/4"UNC	Oval shaped	16	51	270,-
60002 1/4"UNC	Ball shaped	25	49	337,-

RS Cutter/SE Cutter

60001 3/8"UNF	Oval shaped	16	58	270,-
60002 3/8"UNF	Ball shaped	25	56	337,-

Dan Cutter

60001 3/8"UNF	Oval shaped	16	58	270,-
60002 3/8"UNF	Ball shaped	25	56	337,-

Bodus Cutter Micro

60001 3/8"UNF	Oval shaped	16	58	270,-
60002 3/8"UNF	Ball shaped	25	56	337,-

IBAK robotics FlexiGator

60001 M12x1.5	Oval shaped	16	62	270,-
60002 M12x1.5	Ball shaped	25	60	337,-

IBG HydroCut 60

60001 M14	Oval shaped	16	62	270,-
60002 M14	Ball shaped	25	60	337,-

IMS MIDI/MINI

60001 5/8"UNC	Oval shaped	16	62	270,-
60002 5/8"UNC	Ball shaped	25	60	337,-

Pipetronics Sewer Train

60001 M8	Oval shaped	16	58	270,-
60002 M8	Ball shaped	25	56	337,-
Discount group 3				

Extensions

Stainless steel

Article No.	Robot-Type	Ø mm	Height mm	Price €
90136	IBAK robotics FlexiGator M12×1,5	18	20	37,-
90137		18	50	43,-
90138	RS/SE Cutter 3/8" UNF	18	20	37,-
90139		18	40	42,-
Discount group 3				



Adapter

Stainless steel

Article No.	Robot-Type	Ø mm	Height mm	Price €
90124	Bodus Cutter MWR 10/20 3/8" UNF to M16	24	38	46,-
Discount group 3				



Brushes

Article No.	Description	Ø mm	Mounting hole mm	Price €
80025	Wheel brush	45	12,7	9,-
Net prices without discount!				



Adapter for mounting of two wheel brushes

Stainless steel

Article No.	Fitting	Ø mm	Height mm	Price €
90140	3/8"UNF	20	32	62,-
90141	M10x0,75	20	32	62,-
90142	M12x1,5	20	32	62,-
90143	M14	20	38	62,-
90144	M8	20	32	62,-
90145	1/4"UNC	20	32	62,-
Discount group 3				

