

Product Description User Table	Chapter 1	Cutting Disk with Diamond Granule for Inliner Cutting	Chapter 3
Carbide granule wheels for any robot types and inspection cameras	Chapter 2	Tungsten Carbide Burs for any applications on steel and cast iron	Chapter 4
Milling Cutter suitable for:			
KA-TE/PMO	Chapter 5	IMS TURBO	Chapter 7
KA-TE/PMO – MINI	Chapter 6	IMS MICRO (until 2010)	Chapter 13
ProKasro Hydro	Chapter 5	IMS MIDI/MINI 1 (from 2010 up)	Chapter 14
ProKasro Hydro – MINI	Chapter 6	IMS MICRO drive 2	Chapter 11
ProKasro 3200/3600 Watt Motor	Chapter 7	IMS MINI 2 (until 2010)	Chapter 11
Prokasro 1700/2500 Watt Motor	Chapter 8	IMS MICRO (from 2010 up)	Chapter 13
ProKasro Electro 3000 Watt Motor	Chapter 7	IMS NANO	Chapter 13
Prokasro Electro 2000 Watt Motor	Chapter 10	IBG HydroCut 200/150	Chapter 7
ProKasro Light 500/900 Watt Motor	Chapter 10	IBG HydroCut 100	Chapter 8
ProKasro Lateral Working Robot smART	Chapter 12	IBG HydroCut 60	Chapter 14
Hächler HF 200	Chapter 5	I.S.T. Power CUTTER 200	Chapter 7
Hächler HF 130	Chapter 7	I.S.T. Power CUTTER 150	Chapter 8
Hächler Climb/Climbolino	Chapter 14	Subtech Milling Robot 250	Chapter 7
IBAK robotics AlliGator	Chapter 8	Subtech Milling Robot 150	Chapter 8
IBAK robotics MiniGator	Chapter 8	Bodus Cutter MWR 10/20	Chapter 14
IBAK robotics FlexiGator	Chapter 14	Bodus Cutter Micro	Chapter 14
SCHWALM ROBOTIC Talpa 2060	Chapter 7	RS Cutter	Chapter 14
SCHWALM ROBOTIC Talpa 1330	Chapter 8	SE Cutter	Chapter 14
SCHWALM ROBOTIC -Original Tools-	Chapter 9	Dan Cutter	Chapter 14
Sika	Chapter 8	Gfenntech Sewer Train	Chapter 14

Product Description



High Tec Milling Tools for maximum cutting performance and endurance

H 1 Premium

- mid-hard segment binding
- very high diamond density
- high cutting efficiency in most materials
- good cutting efficiency in reinforced concrete and cast iron
- very high Service Life

H 2 Premium

- mid-hard segment binding
- high diamond density
- highly efficient in cutting vitrified clay
- good cutting efficiency in any other material
- very high Service Life

The Premium Segments benefit is the high diamond density providing highest cutting efficiency, also in lined pipes.



Proven Standard Tools with good cost-efficiency

H 1

- soft segment binding
- high cutting speed in hard material (concrete/solid sediments)
- good Service Life in the above mentioned materials

H 2

- mid-hard Segment binding
- good allrounder in cutting efficiency and Service Life in any material

H 3

- hardest segment binding
- very good cutting efficiency in soft materials (soft sediments/old concrete with high sand content)
- very good Service Life in any material, also in reinforced concrete and cast iron

Cutting lined pipes is only partially possible.



Highly performant tool with sharp PCD edges

Type R

- made for all types of inliner
- time-efficient cutting of vitrified clay, solid/soft sediments, concrete and roots

Type U

- the fastest way to open inliner

Note: Not made for reinforced concrete!



Cutting tool with carbide bits and granule

- cutting of inliner and roots

User Table

Segment Type	H1 N•TEC II[®] PREMIUM	H2 N•TEC II[®] PREMIUM	H1 N•TEC II[®]	H2 N•TEC II[®]	H3 N•TEC II[®]	BLACK•LINE regular	BLACK•LINE irregular	HM•LINE segments	HM•LINE granule
high density concrete high quarz content	●●● +++	●●● ++	●●● ++	●● ++	● +++	●●● ++	● +	-	-
old concrete porous and fragile	●●● +++	●●● ++	●●● +	●●● ++	●● +++	●●● +++	●●● ++	-	-
reinforced concrete	●● ++	●● ++	●● +	●● +	● ++	-	-	-	-
vittrified clay	●● +++	●●● ++	●●● ++	●● ++	●● +++	●●● +++	●●● ++	-	-
solid sediments concrete, lime	●●● +++	●●● ++	●●● ++	●● ++	●● +++	●●● +++	●● ++	-	-
soft sediments high sand content	●●● +++	●●● ++	●●● +	●●● ++	●● +++	●●● +++	●●● ++	-	-
cast iron	●● ++	●● +	● +	● +	● ++	-	-	-	-
hardened inliner	●● +++	●● ++	● ++	● ++	● +++	●●● +++	●●● +++	●● +	●● +
roots	-	-	-	-	-	●● +++	●● +++	●● +	● +

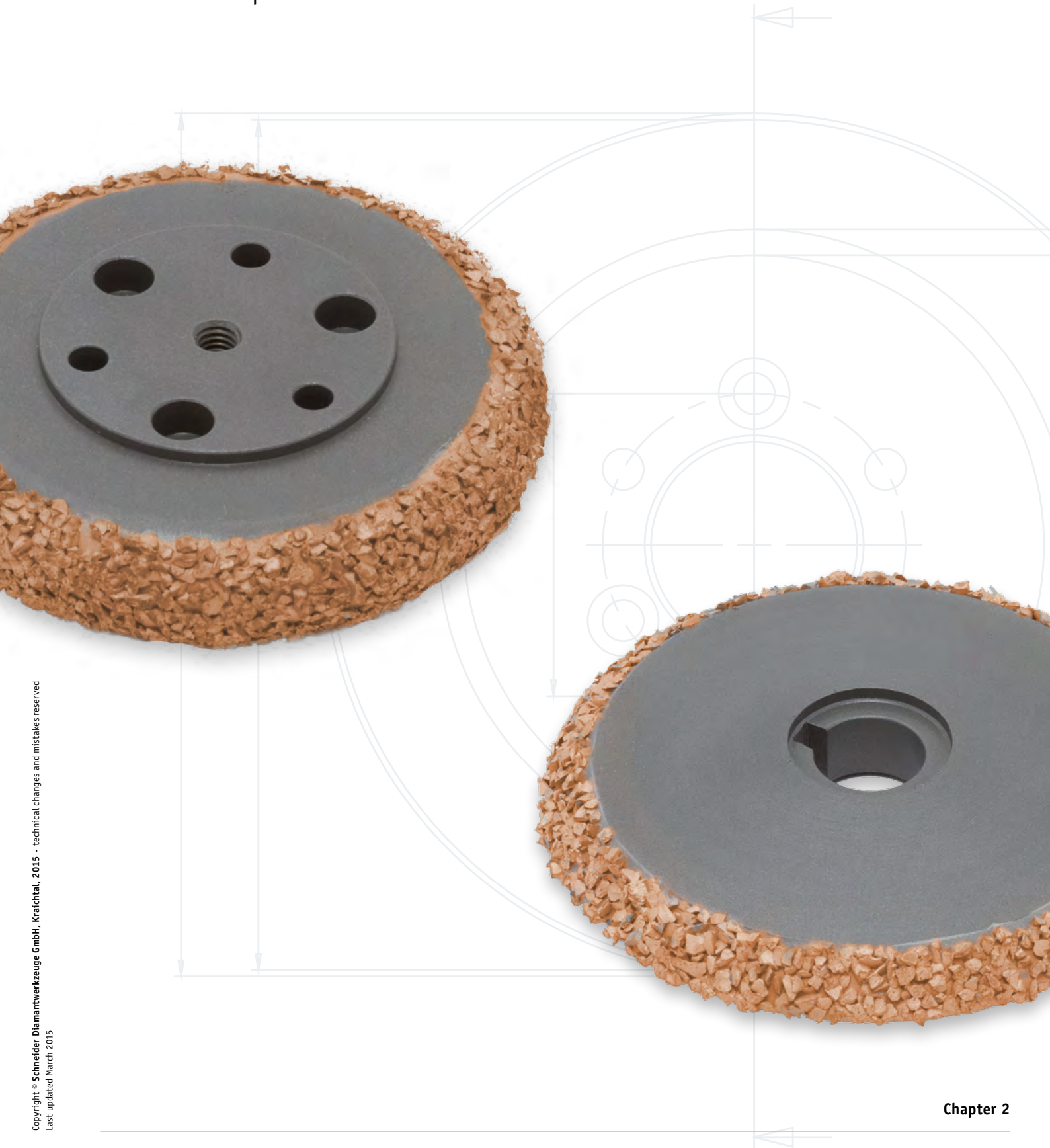
Legend

Cutting Speed: ●●● very high ●● high ● low – not applicable
 Service Life: +++ very long ++ long + short

Carbide Granule Wheels

for any robot types and inspection cameras

We produce the wheels individually from samples/drawings upon request or make use of prefabricated blanks.



Cutting Disk

with Diamond Granule for Inliner Cutting

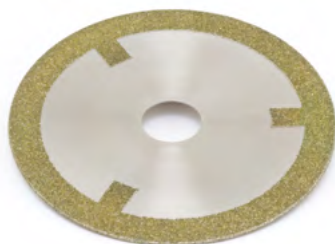
STANDARD Cutting Disk with Diamond Granule

Article No.	Ø mm	Bore Ø mm	Cutting width mm	Coating
80016	115	22,2	2,0	Dia-Granule
80017	125	22,2	2,0	Dia-Granule



PREMIUM Cutting Disk with Diamond Granule, with broad side

Article No.	Ø mm	Bore Ø mm	Cutting width mm	Coating
80021 P	50	10	2	Dia-Granule
80022 P	75	10	2	Dia-Granule
80023 P	100	22,2	2	Dia-Granule
80016 P	115	22,2	2	Dia-Granule
80017 P	125	22,2	2	Dia-Granule
80024 P	150	22,2	2	Dia-Granule



Cutting Disk Adapter for Cutter Chuck

Article No.	Ø Shaft mm	H Shaft mm	Bore Ø mm
90133	6	34	10
90134	8	34	10



Tungsten Carbide Burs

for any applications on steel and cast iron

Tungsten Carbide Bur -Oval Shape-

with thread fitting (for all robot types)

Usage: Milling of steel and cast iron

Article No.	Ø mm	Height mm	Attachment
60001 3/8"UNF	16	58	3/8"UNF
60001 M10SG	16	51	M10SG (IMS Micro from 2010 up)
60001 M10x0,75	16	58	M10x0,75
60001 M12x1,5	16	62	M12x1,5
60001 M14 H7	16	62	M14 H7
60001 M7SG	16	52	M7SG (IMS Nano)
60001 M8	16	58	M8
60001 M8/60°	16	46	M8/60° (IMS Micro until 2010)
Discount group 3			



Tungsten Carbide Bur -Ball Shape-

with thread fitting (for all robot types)

Usage: Milling of steel and cast iron

Article No.	Ø mm	Height mm	Attachment
60002 3/8"UNF	25	56	3/8"UNF
60002 M10SG	25	49	M10SG (IMS Micro from 2010 up)
60002 M10x0,75	25	56	M10x0,75
60002 M12x1,5	25	60	M12x1,5
60002 M14 H7	25	60	M14 H7
60002 M7SG	25	50	M7SG (IMS Nano)
60002 M8	25	56	M8
60002 M8/60°	25	44	M8/60° (IMS Micro until 2010)
Discount group 3			



Milling Cutter suitable for:

KA-TE/PM0.....	Ø 56/22 H7
ProKasro Hydro.....	Ø 56/22 H7
Hächler HF 200.....	Ø 56/22 H7



Inlet Milling Cutter
Mushroom Milling Cutter
Mushroom Milling Cutter with lateral segments

Page 1 and 2

Slot Cutter
Combi Cutter
Taper Milling Cutter

Page 3



Inlet Milling Cutter
Mushroom Milling Cutter
Mushroom Milling Cutter with lateral segments

Page 4 and 5

Slot Cutter
Disk Cutter
Taper Milling Cutter

Page 6



Inlet Milling Cutter
Mushroom Milling Cutter
Mushroom Milling Cutter center cutting

Page 7 and 8

Taper Milling Cutter
End Mill Cutter

Page 9

ACCESSORIES

Extensions
Adapter
Brushes

Page 10

N•TEC II[®] Diamond Inlet Milling Cutter

Usage: Preparing laterals, milling of intruding laterals

Article No.		DN mm	Ø mm	Height mm	Segments
H1	H2				
42007 P	43007 P	250-600	80	43	18
42008 P	43008 P	200-300	70	35	18
Discount group 1					



N•TEC II[®] Diamond Mushroom Milling Cutter spring-suspended

Usage: Grinding and milling of deposits

Article No.		DN mm	Ø mm	Height mm	Segments
H1	H2				
42027 P	43027 P	170	100	40	20
42001 P	43001 P	200	100	40	20
42002 P	43002 P	250	120	45	20
42003 P	43003 P	300	120	45	20
42004 P	43004 P	350-400	120	45	20
42005 P	43005 P	450-500	120	45	20
42006 P	43006 P	600	120	45	20
Discount group 1					



90125	Protection cap for locking ring
90126	Screw M10
Discount group 3	

N•TEC II[®] Diamond Mushroom Milling Cutter spring-suspended, with lateral segments

Usage: Grinding and milling of deposits

Article No.		DN mm	Ø mm	Height mm	Segments
H1	H2				
45027 P	46027 P	170	110	40	30
45001 P	46001 P	200	110	40	30
45002 P	46002 P	250	120	45	30
45003 P	46003 P	300	120	45	30
45004 P	46004 P	350-400	120	45	30
45005 P	46005 P	450-500	120	45	30
45006 P	46006 P	600	120	45	30
Discount group 1					



90125	Protection cap for locking ring
90126	Screw M10
Discount group 3	



Diamond Inlet Milling Cutter

Usage: Preparing laterals, milling of intruding laterals

Article No.		DN mm	Ø mm	Height mm	Segments
H1	H2				
42026 P	43026 P	250-600	72	43	18
Discount group 1					



Diamond Mushroom Milling Cutter spring-suspended, with additional water holes

Usage: Grinding and milling of deposits

Article No.		DN mm	Ø mm	Height mm	Segments
H1	H2				
420031 P	430031 P	300	120	45	20
420041 P	430041 P	350-400	120	45	20
420051 P	430051 P	450-500	120	45	20
420061 P	430061 P	600	120	45	20
Discount group 1					



90125	Protection cap for locking ring
90126	Screw M10
Discount group 3	



Diamond Mushroom Milling Cutter spring-suspended, with lateral segments and additional water holes

Usage: Grinding and milling of deposits

Article No.		DN mm	Ø mm	Height mm	Segments
H1	H2				
450031 P	460031 P	300	120	45	30
450041 P	460041 P	350-400	120	45	30
450051 P	460051 P	450-500	120	45	30
450061 P	460061 P	600	120	45	30
Discount group 1					



90125	Protection cap for locking ring
90126	Screw M10
Discount group 3	



Milling Cutter suitable for:

KA-TE/PMO Ø 56/22 H7
 ProKasro Hydro Ø 56/22 H7
 Hächler HF 200 Ø 56/22 H7



Diamond Slot Cutter

Usage: Preparing cracks and joints

Article No.		DN mm	Ø mm	Height mm	Segments
H1	H2				
42012 P	-	200-300	35/28	40	5
42013 P	-	300-400	35/28	45	5
42021 P	-	300-600	35/28	55	5
Discount group 1					



Diamond Combi Cutter spring-suspended

Usage: Preparing laterals,
 milling of intruding laterals, grinding and milling of deposits

Article No.		DN mm	Ø mm	Height mm	Segments
H1	H2				
KF 45001 P	KF 46001 P	200	100	45	36
KF 45002 P	KF 46002 P	250	100	45	36
KF 45003 P	KF 46003 P	300	100	45	36
KF 45004 P	KF 46004 P	350-400	100	45	36
KF 45005 P	KF 46005 P	450-500	100	45	36
KF 45006 P	KF 46006 P	600	100	45	36
Discount group 1					
90125	Protection cap for locking ring				
90126	Screw M10				
Discount group 3					



Diamond Taper Milling Cutter

Usage: Milling of laterals

Article No.		DN mm	Ø mm	Height mm	Segments
H1	H2				
42010 P	43010 P	300-600	70/50	65	18
Discount group 1					



N•TEC II® Diamond Inlet Milling Cutter

Usage: Preparing laterals, milling of intruding laterals

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



N•TEC II® Diamond Mushroom Milling Cutter spring-suspended

Usage: Grinding and milling of deposits

Article No.			DN mm	Ø mm	Height mm	Segments
H1	H2	H3				
42027	43027	44027	170	100	40	20
42001	43001	44001	200	100	40	20
42002	43002	44002	250	120	45	20
42003	43003	44003	300	120	45	20
42004	43004	44004	350-400	120	45	20
42005	43005	44005	450-500	120	45	20
42006	43006	44006	600	120	45	20
Discount group 1						



90125	Protection cap for locking ring
90126	Screw M10
Discount group 3	

N•TEC II® Diamond Mushroom Milling Cutter spring-suspended, with lateral segments

Usage: Grinding and milling of deposits

Article No.			DN mm	Ø mm	Height mm	Segments
H1	H2	H3				
45027	46027	47027	170	110	40	30
45001	46001	47001	200	110	40	30
45002	46002	47002	250	120	45	30
45003	46003	47003	300	120	45	30
45004	46004	47004	350-400	120	45	30
45005	46005	47005	450-500	120	45	30
45006	46006	47006	600	120	45	30
Discount group 1						



90125	Protection cap for locking ring
90126	Screw M10
Discount group 3	

N•TEC II® Diamond Inlet Milling Cutter

Usage: Preparing laterals, milling of intruding laterals

Article No.			DN mm	Ø mm	Height mm	Segments
H1	H2	H3				
42026	43026	44026	250-600	72	43	18
Discount group 1						



N•TEC II® Diamond Mushroom Milling Cutter spring-suspended, with additional water holes

Usage: Grinding and milling of deposits

Article No.			DN mm	Ø mm	Height mm	Segments
H1	H2	H3				
420031	430031	440031	300	120	45	20
420041	430041	440041	350-400	120	45	20
420051	430051	440051	450-500	120	45	20
420061	430061	440061	600	120	45	20
Discount group 1						



90125	Protection cap for locking ring
90126	Screw M10
Discount group 3	



N•TEC II® Diamond Mushroom Milling Cutter spring-suspended, with lateral segments and additional water holes

Usage: Grinding and milling of deposits

Article No.			DN mm	Ø mm	Height mm	Segments
H1	H2	H3				
450031	460031	470031	300	120	45	30
450041	460041	470041	350-400	120	45	30
450051	460051	470051	450-500	120	45	30
450061	460061	470061	600	120	45	30
Discount group 1						



90125	Protection cap for locking ring
90126	Screw M10
Discount group 3	



Milling Cutter suitable for:

KA-TE/PMO Ø 56/22 H7
 ProKasro Hydro Ø 56/22 H7
 Hächler HF 200 Ø 56/22 H7

N•TEC II® Diamond Slot Cutter

Usage: Preparing cracks and joints

Article No.			DN mm	Ø mm	Height mm	Segments
H1	H2	H3				
-	-	44012	200-300	35/28	40	5
-	-	44013	300-400	35/28	45	5
-	-	44021	300-600	35/28	55	5
Discount group 1						



N•TEC II® Diamond Disk Cutter

Usage: Preparing of laterals and inliner

Article No.			DN mm	Ø mm	Height mm	Segments
H1	H2	H3				
-	43011	-	200-300	85	25	6
-	43015	-	300-600	110	25	9
Discount group 1						



N•TEC II® Diamond Taper Milling Cutter

Usage: Milling of laterals

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



BLACK•LINE Inlet Milling Cutter

Usage: Preparing laterals, milling of intruding laterals and inliner

Note: Not made for reinforced concrete!

Article No.		DN mm	Ø mm	Height mm	Segments
Type R	Type U				
BL 11211	-	250-600	73	40	36
Discount group 2					



BLACK•LINE Mushroom Milling Cutter

Usage: Milling of deposits, inliner and roots

Note: Not made for reinforced concrete!

Article No.		DN mm	Ø mm	Height mm	Segments
Type R	Type U				
BL 11201	-	250	105	30	40
BL 11202	-	300	105	30	40
BL 11203	-	350-400	105	30	40
BL 11204	-	450-500	105	30	40
BL 11205	-	600	105	30	40
Discount group 2					



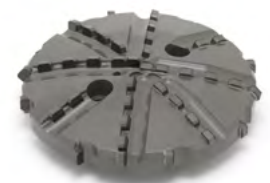
Spring-suspended version of this Milling Cutter available upon request.

BLACK•LINE Mushroom Milling Cutter center cutting

Usage: Front-cutting and milling of deposits, inliner and roots

Note: Not made for reinforced concrete!

Article No.		DN mm	Ø mm	Height mm	Segments
Type R	Type U				
BL 11206	-	250	105	30	42
BL 11207	-	300	105	30	42
BL 11208	-	350-400	105	30	42
BL 11209	-	450-500	105	30	42
BL 11210	-	600	105	30	42
Discount group 2					



BLACK•LINE Inlet Milling Cutter

Usage: Preparing laterals, milling of intruding laterals and inliner

Note: Not made for reinforced concrete!

Article No.		DN mm	Ø mm	Height mm	Segments
Type R	Type U				
BL 11211	-	250-600	73	40	36
Discount group 2					



BLACK•LINE Mushroom Milling Cutter with additional water holes

Usage: Milling of deposits, inliner and roots

Note: Not made for reinforced concrete!

Article No.		DN mm	Ø mm	Height mm	Segments
Type R	Type U				
BL 112021	-	300	105	30	40
BL 112031	-	350-400	105	30	40
BL 112041	-	450-500	105	30	40
BL 112051	-	600	105	30	40
Discount group 2					



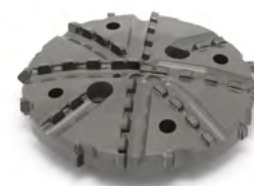
Spring-suspended version of this Milling Cutter available upon request.

BLACK•LINE Mushroom Milling Cutter center cutting, with additional water holes

Usage: Front-cutting and milling of deposits, inliner and roots

Note: Not made for reinforced concrete!

Article No.		DN mm	Ø mm	Height mm	Segments
Type R	Type U				
BL 112071	-	300	105	30	42
BL 112081	-	350-400	105	30	42
BL 112091	-	450-500	105	30	42
BL 112101	-	600	105	30	42
Discount group 2					



Milling Cutter suitable for:

KA-TE/PM0 Ø 56/22 H7
ProKasro Hydro Ø 56/22 H7
Hächler HF 200 Ø 56/22 H7

BLACK•LINE Taper Milling Cutter with PCD tip

Usage: Opening of laterals

Note: Not made for reinforced concrete!

Article No.		DN mm	Ø mm	Height mm	Segments
Type R	Type U				
BL 11214	-	200-600	60/15	47	6
-	BL 11214 U	200-600	60/15	47	U
Discount group 2					



BLACK•LINE Taper Milling Cutter with Carbide tip

Usage: Opening of laterals

Note: Not made for reinforced concrete!

Article No.		DN mm	Ø mm	Height mm	Segments
Type R	Type U				
BL 11215	-	200-600	60/20	50	4
-	BL 11215 U	200-600	60/18	50	U
Discount group 2					



BLACK•LINE End Mill Cutter

Usage: Opening of laterals

Note: Not made for reinforced concrete!

Article No.		DN mm	Ø mm	Height mm	Segments
Type R	Type U				
BL 11213	-	300-600	30	53	14
-	BL 11213 U	300-600	28	53	U
Discount group 2					



Milling Cutter suitable for:
KA-TE/PM0 ø 56/22 H7
ProKasro Hydro ø 56/22 H7
Hächler HF 200 ø 56/22 H7

Extensions

Stainless steel

Article No.	Ø mm	Height mm
90114	56	18
90115	56	25
90116	56	50
Discount group 3		



Adapter

Stainless steel

to attach brushes and sawblades

Article No.	Ø mm	Height mm
90110	56	18
SP 90110	Tension disk for Adapter	
Discount group 3		



Single section and Cup brushes

Article No.	Description	Ø mm	Fitting mm
80018	Single section brush	100	22,2
80019	Cup brush	80	M14
80020	Cup brush	65	M14
Net prices without discount!			

More designs, diameter and quantity discounts available upon request.





Inlet Milling Cutter
 Mushroom Milling Cutter
 Mushroom Milling Cutter with lateral segments

Page 1 and 2

Slot Cutter
 Combi Cutter
 Taper Milling Cutter

Page 3



Inlet Milling Cutter
 Mushroom Milling Cutter
 Mushroom Milling Cutter with lateral segments

Page 4 and 5

Slot Cutter
 Disk Cutter
 Taper Milling Cutter

Page 6



Inlet Milling Cutter
 Mushroom Milling Cutter
 Mushroom Milling Cutter center cutting

Page 7 and 8

Taper Milling Cutter

Page 9

ACCESSORIES

Extensions
 Adapter
 Brushes

Page 10



Diamond Inlet Milling Cutter

Usage: Preparing laterals, milling of intruding laterals

Article No.		DN mm	Ø mm	Height mm	Segments
H1	H2				
42016 P	43016 P	150-250	65	32	18
Discount group 1					



Diamond Mushroom Milling Cutter spring-suspended

Usage: Grinding and milling of deposits

Article No.		DN mm	Ø mm	Height mm	Segments
H1	H2				
42017 P	43017 P	150	100	45	20
42018 P	43018 P	200	100	45	20
42019 P	43019 P	250	100	45	20
Discount group 1					
90127	Protection cap for locking ring				
90128	Screw M8				
Discount group 3					



Diamond Mushroom Milling Cutter spring-suspended, with lateral segments

Usage: Grinding and milling of deposits

Article No.		DN mm	Ø mm	Height mm	Segments
H1	H2				
45017 P	46017 P	150	100	45	30
45018 P	46018 P	200	100	45	30
45019 P	46019 P	250	100	45	30
Discount group 1					
90127	Protection cap for locking ring				
90128	Screw M8				
Discount group 3					





Diamond Inlet Milling Cutter

Usage: Preparing laterals, milling of intruding laterals

Article No.		DN mm	Ø mm	Height mm	Segments
H1	H2				
42016 P	43016 P	150-250	65	32	18
Discount group 1					



Diamond Mushroom Milling Cutter spring-suspended, with additional water holes

Usage: Grinding and milling of deposits

Article No.		DN mm	Ø mm	Height mm	Segments
H1	H2				
420171 P	430171 P	150	100	45	20
420181 P	430181 P	200	100	45	20
420191 P	430191 P	250	100	45	20
Discount group 1					
90127	Protection cap for locking ring				
90128	Screw M8				
Discount group 3					



Diamond Mushroom Milling Cutter spring-suspended, with lateral segments and additional water holes

Usage: Grinding and milling of deposits

Article No.		DN mm	Ø mm	Height mm	Segments
H1	H2				
450171 P	460171 P	150	100	45	30
450181 P	460181 P	200	100	45	30
450191 P	460191 P	250	100	45	30
Discount group 1					
90127	Protection cap for locking ring				
90128	Screw M8				
Discount group 3					





Diamond Slot Cutter

Usage: Preparing cracks and joints

Article No.		DN mm	Ø mm	Height mm	Segments
H1	H2				
42014 P	–	150-250	30/25	35	5
Discount group 1					



Diamond Combi Cutter spring-suspended

Usage: Preparing laterals,
milling of intruding laterals, grinding and milling of deposits

Article No.		DN mm	Ø mm	Height mm	Segments
H1	H2				
KF 45017 P	KF 46017 P	150	88	45	30
KF 45018 P	KF 46018 P	200	88	45	30
KF 45019 P	KF 46019 P	250	88	45	30
Discount group 1					



90127	Protection cap for locking ring
90128	Screw M8
Discount group 3	



Diamond Taper Milling Cutter

Usage: Milling of laterals

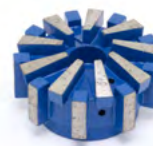
Article No.		DN mm	Ø mm	Height mm	Segments
H1	H2				
42025 P	43025 P	150-250	55/42	58	18
Discount group 1					



N•TEC II® Diamond Inlet Milling Cutter

Usage: Preparing laterals, milling of intruding laterals

Article No.			DN mm	Ø mm	Height mm	Segments
H1	H2	H3				
42016	43016	44016	150-250	65	32	18
Discount group 1						



N•TEC II® Diamond Mushroom Milling Cutter spring-suspended

Usage: Grinding and milling of deposits

Article No.			DN mm	Ø mm	Height mm	Segments
H1	H2	H3				
42017	43017	44017	150	100	45	20
42018	43018	44018	200	100	45	20
42019	43019	44019	250	100	45	20
Discount group 1						
90127		Protection cap for locking ring				
90128		Screw M8				
Discount group 3						



N•TEC II® Diamond Mushroom Milling Cutter spring-suspended, with lateral segments

Usage: Grinding and milling of deposits

Article No.			DN mm	Ø mm	Height mm	Segments
H1	H2	H3				
45017	46017	47017	150	100	45	30
45018	46018	47018	200	100	45	30
45019	46019	47019	250	100	45	30
Discount group 1						
90127		Protection cap for locking ring				
90128		Screw M8				
Discount group 3						



N•TEC II® Diamond Inlet Milling Cutter

Usage: Preparing laterals, milling of intruding laterals

Article No.			DN mm	Ø mm	Height mm	Segments
H1	H2	H3				
42016	43016	44016	150-250	65	32	18
Discount group 1						



N•TEC II® Diamond Mushroom Milling Cutter spring-suspended, with additional water holes

Usage: Grinding and milling of deposits

Article No.			DN mm	Ø mm	Height mm	Segments
H1	H2	H3				
420171	430171	440171	150	100	45	20
420181	430181	440181	200	100	45	20
420191	430191	440191	250	100	45	20
Discount group 1						
90127	Protection cap for locking ring					
90128	Screw M8					
Discount group 3						



N•TEC II® Diamond Mushroom Milling Cutter spring-suspended, with lateral segments and additional water holes

Usage: Grinding and milling of deposits

Article No.			DN mm	Ø mm	Height mm	Segments
H1	H2	H3				
450171	460171	470171	150	100	45	30
450181	460181	470181	200	100	45	30
450191	460191	470191	250	100	45	30
Discount group 1						
90127		Protection cap for locking ring				
90128		Screw M8				
Discount group 3						



N•TEC II® Diamond Slot Cutter

Usage: Preparing cracks and joints

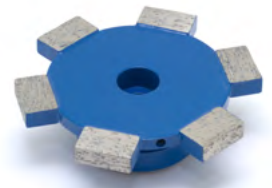
Article No.			DN mm	Ø mm	Height mm	Segments
H1	H2	H3				
-	-	44014	150-250	30/25	35	5
Discount group 1						



N•TEC II® Diamond Disk Cutter

Usage: Preparing of laterals and inliner

Article No.			DN mm	Ø mm	Height mm	Segments
H1	H2	H3				
-	43023	-	150-250	85	25	6
Discount group 1						



N•TEC II® Diamond Taper Milling Cutter

Usage: Milling of laterals

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



BLACK•LINE Inlet Milling Cutter

Usage: Preparing laterals, milling of intruding laterals and inliner

Note: Not made for reinforced concrete!

Article No.		DN mm	Ø mm	Height mm	Segments
Type R	Type U				
BL 11305	-	150-250	55	30	28
Discount group 2					



BLACK•LINE Mushroom Milling Cutter

Usage: Milling of deposits, inliner and roots

Note: Not made for reinforced concrete!

Article No.		DN mm	Ø mm	Height mm	Segments
Type R	Type U				
BL 11301	-	150	85	30	36
BL 11302	-	200	85	30	36
BL 11309	-	250	85	30	36
Discount group 2					



Spring-suspended version of this Milling Cutter available upon request.

BLACK•LINE Mushroom Milling Cutter center cutting, left rotating

Usage: Front-cutting and milling of deposits, inliner and roots

Note: Not made for reinforced concrete!

Article No.		DN mm	Ø mm	Height mm	Segments
Type R	Type U				
BL 11303	-	150	85	30	36
BL 11304	-	200	85	30	36
BL 11310	-	250	85	30	36
Discount group 2					



BLACK•LINE Inlet Milling Cutter

Usage: Preparing laterals, milling of intruding laterals and inliner

Note: Not made for reinforced concrete!

Article No.		DN mm	Ø mm	Height mm	Segments
Type R	Type U				
BL 11305	-	150-250	55	30	28
Discount group 2					



BLACK•LINE Mushroom Milling Cutter with additional water holes

Usage: Milling of deposits, inliner and roots

Note: Not made for reinforced concrete!

Article No.		DN mm	Ø mm	Height mm	Segments
Type R	Type U				
BL 113011	-	150	85	30	36
BL 113021	-	200	85	30	36
BL 113091	-	250	85	30	36
Discount group 2					



Spring-suspended version of this Milling Cutter available upon request.

BLACK•LINE Mushroom Milling Cutter center cutting, left rotating, with additional water holes

Usage: Front-cutting and milling of deposits, inliner and roots

Note: Not made for reinforced concrete!

Article No.		DN mm	Ø mm	Height mm	Segments
Type R	Type U				
BL 113031	-	150	85	30	36
BL 113041	-	200	85	30	36
BL 113101	-	250	85	30	36
Discount group 2					



BLACK•LINE Taper Milling Cutter with PCD tip

Usage: Opening of laterals

Note: Not made for reinforced concrete!

Article No.		DN mm	Ø mm	Height mm	Segments
Type R	Type U				
BL 11307	-	150-250	45/15	35	6
-	BL 11307 U	150-250	45/15	35	U
Discount group 2					



BLACK•LINE Taper Milling Cutter with Carbide tip

Usage: Opening of laterals

Note: Not made for reinforced concrete!

Article No.		DN mm	Ø mm	Height mm	Segments
Type R	Type U				
BL 11308	-	150-250	45/20	40	4
-	BL 11308 U	150-250	45/18	40	U
Discount group 2					



Extensions

Stainless steel

Article No.	Ø mm	Height mm
90117	45	18
90118	45	25
90119	45	50
Discount group 3		



Adapter

Stainless steel

Article No.	Description	Ø mm	Height mm
90111	Adapter to attach brushes and sawblades	45	18
SP 90110	Tension disk for Adapter	-	-
90123	Adapter from PMO-MINI to KA-TE PMO	56	35
Discount group 3			



Single section and Cup brushes

Article No.	Description	Ø mm	Fitting mm
80018	Single section brush	100	22,2
80020	Cup brush	65	M14
Net prices without discount!			



More designs, diameter and quantity discounts available upon request.

Milling Cutter suitable for:

ProKasro 3200/3600 Watt Motor.....	M14	I.S.T. Power CUTTER 200.....	M14
ProKasro Electro 3000 Watt Motor.....	M14	IBG HydroCut 200/150.....	M14
Hächler HF 130.....	M14	IMS TURBO.....	5/8" UNC
SCHWALM ROBOTIC Talpa 2060.....	M14	Subtech Milling Robot 250.....	5/8" UNC



Mushroom Milling Cutter
Taper Milling Cutter

Page 1

Inlet Milling Cutter
Finger Milling Cutter
Ball Milling Cutter

Page 2



Mushroom Milling Cutter
Mushroom Milling Cutter center cutting
Inlet Milling Cutter

Page 3

Taper Milling Cutter
Taper/Cylinder Milling Cutter

Page 4

Ball Milling Cutter *ProView®*
Double-Cone Milling Cutter *ProView®*
Ball Milling Cutter

Page 5

Page 6



Carbide Granule Ball Milling Cutter
Carbide Granule Mushroom Milling Cutter

Page 7

ACCESSORIES

Extensions
Adapter
Brushes

Page 8

Milling Cutter suitable for:

ProKasro 3200/3600 Watt Motor.....M14
 ProKasro Electro 3000 Watt Motor.....M14
 Hächler HF 130.....M14
 SCHWALM ROBOTIC Talpa 2060.....M14

I.S.T. Power CUTTER 200.....M14
 IBG HydroCut 200/150.....M14
 IMS TURBO.....5/8"UNC
 Subtech Milling Robot 250.....5/8"UNC



Diamond Mushroom Milling Cutter, rotation-optimized

Usage: Grinding and milling of deposits

Article No.		DN mm	Ø mm	Height mm	Segments
H1	H2				
20006 P	21006 P	200-300	80	30	21
20007 P	21007 P	300-450	80	30	21
20008 P	21008 P	500-600	80	30	21
Discount group 1					
20024 P	21024 P	200-300	70	30	18
20025 P	21025 P	300-450	70	30	18
20026 P	21026 P	500-600	70	30	18



Diamond Taper Milling Cutter, 9 segments rotation-optimized

Usage: Preparing laterals, milling of intruding laterals

Article No.		DN mm	Ø mm	Height mm	Segments
H1	H2				
20004 P	21004 P	300-600	52/42	40	9
20001 P	21001 P	200-300	52/46	25	9
Discount group 1					



Diamond Taper Milling Cutter, 6 Segments rotation-optimized

Usage: Preparing laterals, milling of intruding laterals

Article No.		DN mm	Ø mm	Height mm	Segments
H1	H2				
20013 P	21013 P	300-600	38/28	53	6
20027 P	21027 P	200-300	36/28	32	6
Discount group 1					



Milling Cutter suitable for:

ProKasro 3200/3600 Watt Motor.....M14
 ProKasro Electro 3000 Watt Motor.....M14
 Hächler HF 130.....M14
 SCHWALM ROBOTIC Talpa 2060.....M14

I.S.T. Power CUTTER 200.....M14
 IBG HydroCut 200/150.....M14
 IMS TURBO.....5/8"UNC
 Subtech Milling Robot 250.....5/8"UNC



Diamond Inlet Milling Cutter rotation-optimized

Usage: Preparing laterals, milling of intruding laterals

Article No.		DN mm	Ø mm	Height mm	Segments
H1	H2				
20015 P	21015 P	250-600	68	33	16
Discount group 1					



Diamond Finger Milling Cutter rotation-optimized

Usage: Preparing cracks and joints

Article No.		DN mm	Ø mm	Height mm	Segments
H1	H2				
20003 P	21003 P	250-600	30	55	5
Discount group 1					



Diamond Ball Milling Cutter

Usage: Preparing laterals

Article No.		DN mm	Ø mm	Height mm	Segments
H1	H2				
20020 P	-	250-600	50	46	19
20021 P	-	250-600	40	37	13
Discount group 1					



Milling Cutter suitable for:

ProKasro 3200/3600 Watt Motor.....M14
 ProKasro Electro 3000 Watt Motor.....M14
 Hächler HF 130.....M14
 SCHWALM ROBOTIC Talpa 2060.....M14

I.S.T. Power CUTTER 200.....M14
 IBG HydroCut 200/150.....M14
 IMS TURBO.....5/8"UNC
 Subtech Milling Robot 250.....5/8"UNC

BLACK•LINE Mushroom Milling Cutter

Usage: Milling of deposits, inliner and roots

Note: Not made for reinforced concrete!

Article No.		DN mm	Ø mm	Height mm	Segments
Type R	Type U				
BL 11401	-	250-600	75	27	32
BL 11426	-	250-600	63	25	28
Discount group 2					



BLACK•LINE Mushroom Milling Cutter center cutting

Usage: Front-cutting and milling of deposits, inliner and roots

Note: Not made for reinforced concrete!

Article No.		DN mm	Ø mm	Height mm	Segments
Type R	Type U				
BL 11402	-	250-600	75	33	34
BL 11427	-	250-600	65	27	30
Discount group 2					



BLACK•LINE Inlet Milling Cutter

Usage: Preparing laterals, milling of intruding laterals and inliner

Note: Not made for reinforced concrete!

Article No.		DN mm	Ø mm	Height mm	Segments
Type R	Type U				
BL 11409	-	250-600	55	30	28
Discount group 2					



Milling Cutter suitable for:

ProKasro 3200/3600 Watt Motor.....M14
 ProKasro Electro 3000 Watt Motor.....M14
 Hächler HF 130.....M14
 SCHWALM ROBOTIC Talpa 2060.....M14

I.S.T. Power CUTTER 200.....M14
 IBG HydroCut 200/150.....M14
 IMS TURBO.....5/8"UNC
 Subtech Milling Robot 250.....5/8"UNC

BLACK•LINE Taper Milling Cutter with Carbide tip

Usage: Opening of laterals

Note: Not made for reinforced concrete!

Article No.		DN mm	Ø mm	Height mm	Segments
Type R	Type U				
BL 11403	-	250-600	28/18	45	4
-	BL 11403 U	250-600	30/15	45	U
Discount group 2					



BLACK•LINE Taper Milling Cutter with Carbide tip

Usage: Opening of laterals

Note: Not made for reinforced concrete!

Article No.		DN mm	Ø mm	Height mm	Segments
Type R	Type U				
-	BL 11431 U	200-450	30/15	35	U
Discount group 2					



BLACK•LINE Taper/Cylinder Milling Cutter with Carbide tip

Usage: Opening of laterals

Note: Not made for reinforced concrete!

Article No.		DN mm	Ø mm	Height mm	Segments
Type R	Type U				
BL 11404	-	250-600	45	38	20
-	BL 11404 U	250-600	45	38	U
Discount group 2					



Milling Cutter suitable for:

ProKasro 3200/3600 Watt Motor.....	M14	I.S.T. Power CUTTER 200.....	M14
ProKasro Electro 3000 Watt Motor.....	M14	IBG HydroCut 200/150.....	M14
Hächler HF 130.....	M14	IMS TURBO.....	5/8"UNC
SCHWALM ROBOTIC Talpa 2060.....	M14	Subtech Milling Robot 250.....	5/8"UNC

ProView®

ProView Milling Tool Line Advantages

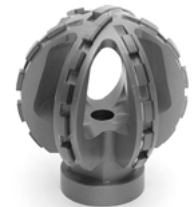
- The "Propeller Effect", which is the result of the special design and the rotation, makes the milling tool invisible and provides free view to the working area.
- Thanks to deep notches the cutting tool's weight is reduced, which strongly benefits the motor shaft's lifetime and enhances the smooth running of the tools.

BLACK•LINE Ball Milling Cutter Type *ProView*®

Usage: Milling of inliner, PVC and vitrified clay

Note: Not made for reinforced concrete!

Article No.	DN mm	Ø mm	Height mm	Segments
BL 11114	300-600	50	57	30
Discount group 2				



BLACK•LINE Double-Cone Milling Cutter Type *ProView*®

Usage: Milling of inliner, PVC and vitrified clay

Note: Not made for reinforced concrete!

Article No.	DN mm	Ø mm	Height mm	Segments
BL 11113	300-600	45	60	34
Discount group 2				



Milling Cutter suitable for:

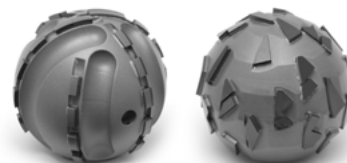
ProKasro 3200/3600 Watt Motor.....	M14	I.S.T. Power CUTTER 200.....	M14
ProKasro Electro 3000 Watt Motor.....	M14	IBG HydroCut 200/150.....	M14
Hächler HF 130.....	M14	IMS TURBO.....	5/8"UNC
SCHWALM ROBOTIC Talpa 2060.....	M14	Subtech Milling Robot 250.....	5/8"UNC

BLACK•LINE Ball Milling Cutter

Usage: Milling of inliner, PVC and vitrified clay

Note: Not made for reinforced concrete!

Article No.		DN mm	Ø mm	Height mm	Segments
Type R	Type U				
BL 11410	-	250-600	50	45	30
-	BL 11410 U	250-600	50	45	U
Discount group 2					



BLACK•LINE Ball Milling Cutter

Usage: Milling of inliner, PVC and vitrified clay

Note: Not made for reinforced concrete!

Article No.		DN mm	Ø mm	Height mm	Segments
Type R	Type U				
BL 11414	-	250-600	40	42	18
-	BL 11414 U	250-600	40	40	U
Discount group 2					



Milling Cutter suitable for:

ProKasro 3200/3600 Watt Motor.....	M14	I.S.T. Power CUTTER 200.....	M14
ProKasro Electro 3000 Watt Motor.....	M14	IBG HydroCut 200/150.....	M14
Hächler HF 130.....	M14	IMS TURBO.....	5/8"UNC
SCHWALM ROBOTIC Talpa 2060.....	M14	Subtech Milling Robot 250.....	5/8"UNC

HM•LINE Carbide Granule Ball Milling Cutter

Usage: Milling of inliner

Article No.	DN mm	Ø mm	Height mm	Grit size mm
50001	250-600	50	50	2,0-3,0
50002	250-600	40	42	2,0-3,0
Discount group 3				



HM•LINE Carbide Granule Mushroom Milling Cutter

Usage: Milling of inliner

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



Milling Cutter suitable for:

ProKasro 3200/3600 Watt Motor.....M14
 ProKasro Electro 3000 Watt Motor.....M14
 Hächler HF 130.....M14
 SCHWALM ROBOTIC Talpa 2060.....M14

I.S.T. Power CUTTER 200.....M14
 IBG HydroCut 200/150.....M14
 IMS TURBO.....5/8"UNC
 Subtech Milling Robot 250.....5/8"UNC

Extensions

Stainless steel

Article No.	Ø mm	Height mm
90120	30	30
90121	30	40
90122	30	50
Discount group 3		



Adapter

Stainless steel

to attach brushes and sawblades

Article No.	Ø mm	Height mm
90112	30	25
SP 90110	Tension disk for Adapter	
Discount group 3		



Single section and Cup brushes

Article No.	Description	Ø mm	Fitting mm
80018	Single section brush	100	22,2
80020	Cup brush	65	M14
Net prices without discount!			

More designs, diameter and quantity discounts available upon request.



Milling Cutter suitable for:

ProKasro 1700/2500 Watt Motor.....	M14	I.S.T. Power CUTTER 150.....	M14
IBAK robotics AlliGator.....	M14	IBG HydroCut 100.....	M14
IBAK robotics MiniGator.....	M14	Subtech Milling Robot 150.....	5/8" UNC
SCHWALM ROBOTIC Talpa 1330.....	M14	Sika.....	1/2" 60° Cone



Mushroom Milling Cutter
Taper Milling Cutter

Page 1



Mushroom Milling Cutter
Taper Milling Cutter
Inlet Milling Cutter

Page 2

Finger Milling Cutter
Slot Cutter
Ball Milling Cutter

Page 3



Mushroom Milling Cutter
Mushroom Milling Cutter center cutting
Inlet Milling Cutter

Page 4

Taper Milling Cutter
Taper/Cylinder Milling Cutter

Page 5

Ball Milling Cutter *ProView®*
Double-Cone Milling Cutter *ProView®*
Ball Milling Cutter

Page 6

Page 7



Carbide Granule Ball Milling Cutter
Carbide Granule Mushroom Milling Cutter

Page 8

ACCESSORIES

Extensions
Adapter
Brushes

Page 9

Milling Cutter suitable for:

ProKasro 1700/2500 Watt Motor.....	M14	I.S.T. Power CUTTER 150.....	M14
IBAK robotics AlliGator.....	M14	IBG HydroCut 100.....	M14
IBAK robotics MiniGator.....	M14	Subtech Milling Robot 150.....	5/8" UNC
SCHWALM ROBOTIC Talpa 1330.....	M14	Sika.....	1/2" 60° Cone



Diamond Mushroom Milling Cutter rotation-optimized

Usage: Grinding and milling of deposits

Article No.		DN mm	Ø mm	Height mm	Segments
H1	H2				
20024 P	21024 P	200-300	70	30	18
20025 P	21025 P	300-450	70	30	18
20026 P	21026 P	500-600	70	30	18
Discount group 1					



Diamond Taper Milling Cutter, 6 Segments rotation-optimized

Usage: Preparing laterals, milling of intruding laterals

Article No.		DN mm	Ø mm	Height mm	Segments
H1	H2				
20013 P	21013 P	300-600	38/28	53	6
20027 P	21027 P	200-300	36/28	32	6
Discount group 1					



Diamond Taper Milling Cutter, 4 Segments rotation-optimized

Usage: Preparing laterals, milling of intruding laterals

Article No.		DN mm	Ø mm	Height mm	Segments
H1	H2				
20017 P	21017 P	250-600	32/23	53	4
Discount group 1					



Milling Cutter suitable for:

ProKasro 1700/2500 Watt Motor.....M14
IBAK robotics AlliGator.....M14
IBAK robotics MiniGator.....M14
SCHWALM ROBOTIC Talpa 1330.....M14

I.S.T. Power CUTTER 150.....M14
IBG HydroCut 100.....M14
Subtech Milling Robot 150.....5/8" UNC
Sika.....1/2" 60° Cone

N•TEC II Diamond Mushroom Milling Cutter

Usage: Grinding and milling of deposits

Article No.		DN mm	Ø mm	Height mm	Segments
H1	H2				
20006	21006	200-300	70	30	10
20007	21007	300-450	70	30	10
20008	21008	500-600	70	30	10
Discount group 1					
20031	21031	200-300	70	30	15
20032	21032	300-450	70	30	15
20033	21033	500-600	70	30	15



N•TEC II Diamond Taper Milling Cutter

Usage: Preparing laterals, milling of intruding laterals

Article No.		DN mm	Ø mm	Height mm	Segments
H1	H2				
20004	21004	300-600	50/40	40	9
20001	21001	200-300	50/45	25	9
Discount group 1					



N•TEC II Diamond Inlet Milling Cutter

Usage: Preparing laterals, milling of intruding laterals

Article No.		DN mm	Ø mm	Height mm	Segments
H1	H2				
20015	21015	250-600	68	33	16
Discount group 1					



Milling Cutter suitable for:

ProKasro 1700/2500 Watt Motor.....	M14	I.S.T. Power CUTTER 150.....	M14
IBAK robotics AlliGator.....	M14	IBG HydroCut 100.....	M14
IBAK robotics MiniGator.....	M14	Subtech Milling Robot 150.....	5/8" UNC
SCHWALM ROBOTIC Talpa 1330.....	M14	Sika.....	1/2" 60° Cone

N•TEC II® Diamond Finger Milling Cutter

Usage: Preparing cracks and joints

Article No.		DN mm	Ø mm	Height mm	Segments
H1	H2				
-	21003	250-600	30	55	5
Discount group 1					



N•TEC II® Diamond Slot Cutter

Usage: Preparing cracks and joints

Article No.		DN mm	Ø mm	Height mm	Segments
H1	H2				
20009	-	250-600	18	50	1
Discount group 1					



N•TEC II® Diamond Ball Milling Cutter

Usage: Preparing laterals

Article No.		DN mm	Ø mm	Height mm	Segments
H1	H2				
20020	-	250-600	50	46	19
20021	-	250-600	40	37	13
Discount group 1					



Milling Cutter suitable for:

ProKasro 1700/2500 Watt Motor.....	M14	I.S.T. Power CUTTER 150.....	M14
IBAK robotics AlliGator.....	M14	IBG HydroCut 100.....	M14
IBAK robotics MiniGator.....	M14	Subtech Milling Robot 150.....	5/8" UNC
SCHWALM ROBOTIC Talpa 1330.....	M14	Sika.....	1/2" 60° Cone

BLACK•LINE Mushroom Milling Cutter

Usage: Milling of deposits, inliner and roots

Note: Not made for reinforced concrete!

Article No.		DN mm	Ø mm	Height mm	Segments
Type R	Type U				
BL 11401	-	250-600	75	27	32
BL 11426	-	250-600	63	25	28
Discount group 2					



BLACK•LINE Mushroom Milling Cutter center cutting

Usage: Front-cutting and milling of deposits, inliner and roots

Note: Not made for reinforced concrete!

Article No.		DN mm	Ø mm	Height mm	Segments
Type R	Type U				
BL 11402	-	250-600	75	33	34
BL 11427	-	250-600	65	27	30
Discount group 2					



BLACK•LINE Inlet Milling Cutter

Usage: Preparing laterals, milling of intruding laterals and inliner

Note: Not made for reinforced concrete!

Article No.		DN mm	Ø mm	Height mm	Segments
Type R	Type U				
BL 11409	-	250-600	55	30	28
Discount group 2					



Milling Cutter suitable for:

ProKasro 1700/2500 Watt Motor.....M14
IBAK robotics AlliGator.....M14
IBAK robotics MiniGator.....M14
SCHWALM ROBOTIC Talpa 1330.....M14

I.S.T. Power CUTTER 150.....M14
IBG HydroCut 100.....M14
Subtech Milling Robot 150.....5/8" UNC
Sika.....1/2" 60° Cone

BLACK•LINE Taper Milling Cutter with Carbide tip

Usage: Opening of laterals

Note: Not made for reinforced concrete!

Article No.		DN mm	Ø mm	Height mm	Segments
Type R	Type U				
BL 11403	-	250-600	28/18	45	4
-	BL 11403 U	250-600	30/15	45	U
Discount group 2					



BLACK•LINE Taper Milling Cutter with Carbide tip

Usage: Opening of laterals

Note: Not made for reinforced concrete!

Article No.		DN mm	Ø mm	Height mm	Segments
Type R	Type U				
-	BL 11431 U	200-450	30/15	35	U
Discount group 2					



BLACK•LINE Taper/Cylinder Milling Cutter with Carbide tip

Usage: Opening of laterals

Note: Not made for reinforced concrete!

Article No.		DN mm	Ø mm	Height mm	Segments
Type R	Type U				
BL 11404	-	250-600	45	38	20
-	BL 11404 U	250-600	45	38	U
Discount group 2					



Milling Cutter suitable for:

ProKasro 1700/2500 Watt Motor.....	M14	I.S.T. Power CUTTER 150.....	M14
IBAK robotics AlliGator.....	M14	IBG HydroCut 100.....	M14
IBAK robotics MiniGator.....	M14	Subtech Milling Robot 150.....	5/8" UNC
SCHWALM ROBOTIC Talpa 1330.....	M14	Sika.....	1/2" 60° Cone

ProView®

ProView Milling Tool Line Advantages

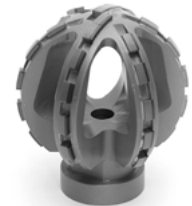
- The "Propeller Effect", which is the result of the special design and the rotation, makes the milling tool invisible and provides free view to the working area.
- Thanks to deep notches the cutting tool's weight is reduced, which strongly benefits the motor shaft's lifetime and enhances the smooth running of the tools.

BLACK•LINE Ball Milling Cutter Type *ProView*®

Usage: Milling of inliner, PVC and vitrified clay

Note: Not made for reinforced concrete!

Article No.	DN mm	Ø mm	Height mm	Segments
BL 11114	300-600	50	57	30
Discount group 2				



BLACK•LINE Double-Cone Milling Cutter Type *ProView*®

Usage: Milling of inliner, PVC and vitrified clay

Note: Not made for reinforced concrete!

Article No.	DN mm	Ø mm	Height mm	Segments
BL 11113	300-600	45	60	34
Discount group 2				



Milling Cutter suitable for:

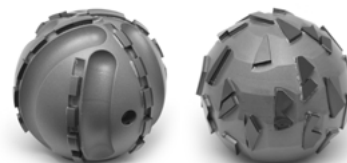
ProKasro 1700/2500 Watt Motor.....	M14	I.S.T. Power CUTTER 150.....	M14
IBAK robotics AlliGator.....	M14	IBG HydroCut 100.....	M14
IBAK robotics MiniGator.....	M14	Subtech Milling Robot 150.....	5/8" UNC
SCHWALM ROBOTIC Talpa 1330.....	M14	Sika.....	1/2" 60° Cone

BLACK•LINE Ball Milling Cutter

Usage: Milling of inliner, PVC and vitrified clay

Note: Not made for reinforced concrete!

Article No.		DN mm	Ø mm	Height mm	Segments
Type R	Type U				
BL 11410	-	250-600	50	45	30
-	BL 11410 U	250-600	50	45	U
Discount group 2					



BLACK•LINE Ball Milling Cutter

Usage: Milling of inliner, PVC and vitrified clay

Note: Not made for reinforced concrete!

Article No.		DN mm	Ø mm	Height mm	Segments
Type R	Type U				
BL 11414	-	250-600	40	42	18
-	BL 11414 U	250-600	40	40	U
Discount group 2					



Milling Cutter suitable for:

ProKasro 1700/2500 Watt Motor.....	M14	I.S.T. Power CUTTER 150.....	M14
IBAK robotics AlliGator.....	M14	IBG HydroCut 100.....	M14
IBAK robotics MiniGator.....	M14	Subtech Milling Robot 150.....	5/8" UNC
SCHWALM ROBOTIC Talpa 1330.....	M14	Sika.....	1/2" 60° Cone

HM•LINE Carbide Granule Ball Milling Cutter

Usage: Milling of inliner

Article No.	DN mm	Ø mm	Height mm	Grit size mm
50001	250-600	50	50	2,0-3,0
50002	250-600	40	42	2,0-3,0
Discount group 3				



HM•LINE Carbide Granule Mushroom Milling Cutter

Usage: Milling of inliner

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



Milling Cutter suitable for:

ProKasro 1700/2500 Watt Motor.....	M14	I.S.T. Power CUTTER 150.....	M14
IBAK robotics AlliGator.....	M14	IBG HydroCut 100.....	M14
IBAK robotics MiniGator.....	M14	Subtech Milling Robot 150.....	5/8" UNC
SCHWALM ROBOTIC Talpa 1330.....	M14	Sika.....	1/2" 60° Cone

Extensions

Stainless steel

Article No.	Ø mm	Height mm
90120	30	30
90121	30	40
90122	30	50
Discount group 3		



Adapter

Stainless steel

Article No.	Description	Ø mm	Height mm
90112	Adapter to attach brushes and sawblades	30	25
SP 90110	Tension disk for Adapter	-	-
90129	Adapter for Sika Motor 1/2" with 60° Cone	30	41
Discount group 3			



Single section and Cup brushes

Article No.	Description	Ø mm	Fitting mm
80018	Single section brush	100	22,2
80020	Cup brush	65	M14
Net prices without discount!			

More designs, diameter and quantity discounts available upon request.



N•TEC II®	Mushroom Milling Cutter	Page 1
PIRANHA	Ball Milling Cutter	Page 2
	Taper/Cylinder Milling Cutter	Page 3
ACCESSORIES	Extensions Adapter Brushes	Page 4

N•TEC II® Diamond Mushroom Milling Cutter rotation-optimized

Usage: Grinding and milling of deposits

Article No.	DN mm	Ø mm	Height mm	Segments
H1				
SW 00005	300-600	97	30	12
Net price without discount!				



N•TEC II® Diamond Mushroom Milling Cutter rotation-optimized

Usage: Grinding and milling of deposits

Article No.	DN mm	Ø mm	Height mm	Segments
H1				
SW 00006	200-600	70	30	12
Net price without discount!				



PIRANHA Ball Milling Cutter

Usage: Opening and finishing of laterals

Note: Not made for reinforced concrete!

Article No.	DN	Ø	Height	Segments
Type U	mm	mm	mm	
SW 00004	300-600	70	75	U
Net price without discount!				



PIRANHA Ball Milling Cutter

Usage: Opening and finishing of laterals

Note: Not made for reinforced concrete!

Article No.	DN	Ø	Height	Segments
Type U	mm	mm	mm	
SW 00002	200-600	50	55	U
Net price without discount!				



PIRANHA Taper/Cylinder Milling Cutter with Carbide tip

Usage: Opening and finishing of laterals

Note: Not made for reinforced concrete!

Article No.	DN mm	Ø mm	Height mm	Segments
Type U				
SW 00003	300-600	70	60	U
Net price without discount!				



PIRANHA Taper/Cylinder Milling Cutter with Carbide tip

Usage: Opening and finishing of laterals

Note: Not made for reinforced concrete!

Article No.	DN mm	Ø mm	Height mm	Segments
Type U				
SW 00001	200-600	50	60	U
Net price without discount!				



Extensions

Stainless steel

Article No.	Ø mm	Height mm
90120	30	30
90121	30	40
90122	30	50
Discount group 3		



Adapter

Stainless steel

to attach brushes and sawblades

Article No.	Ø mm	Height mm
90112	30	25
SP 90110	Tension disk for Adapter	
Discount group 3		



Single section and Cup brushes

Article No.	Description	Ø mm	Fitting mm
80018	Single section brush	100	22,2
80020	Cup brush	65	M14
Net prices without discount!			

More designs, diameter and quantity discounts available upon request.



Milling Cutter suitable for:

ProKasro Light 500/900 Watt Motor.....M10/Cutter Chuck

ProKasro Electro 2000 Watt MotorM10/Cutter Chuck



Mushroom Milling Cutter
Taper Milling Cutter
Ball Milling Cutter

Page 1



Mushroom Milling Cutter
Taper Milling Cutter
Ball Milling Cutter

Page 2



Mushroom Milling Cutter
Ball Milling Cutter
Finger Milling Cutter
Taper Milling Cutter

Page 3



Carbide Granule Half-Ball Milling Cutter
Carbide Granule Ball Milling Cutter
Taper Milling Cutter with Carbide Bits

Page 4

ACCESSORIES

Adapter

Page 5

Milling Cutter suitable for:

ProKasro Light 900 Watt Motor..... M10/Cutter Chuck

ProKasro Electro 2000 Watt MotorM10/Cutter Chuck



Diamond Mushroom Milling Cutter rotation-optimized

Usage: Grinding and milling of deposits

Article No.		DN mm	Ø mm	Height mm	Segments
H1	H2				
20011 P	-	100-400	46	25	10
Discount group 1					



Diamond Taper Milling Cutter rotation-optimized

Usage: Preparing laterals, milling of intruding laterals

Article No.		DN mm	Ø mm	Height mm	Segments
H1	H2				
20010 P	-	100-400	30/28	20	5
Discount group 1					



Diamond Ball Milling Cutter

Usage: Preparing laterals

Article No.		DN mm	Ø mm	Height mm	Segments
H1	H2				
20021 P	-	100-400	40	37	13
Discount group 1					



N•TEC II® Diamond Mushroom Milling Cutter

Usage: Grinding and milling of deposits

Article No.			DN mm	Ø mm	Height mm	Segments
H1	H2	H3				
20011	-	-	100-400	45	23	10
Discount group 1						



N•TEC II® Diamond Taper Milling Cutter

Usage: Preparing laterals, milling of intruding laterals

Article No.			DN mm	Ø mm	Height mm	Segments
H1	H2	H3				
20010	-	-	100-400	30/27	20	5
Discount group 1						



N•TEC II® Diamond Ball Milling Cutter

Usage: Preparing laterals

Article No.			DN mm	Ø mm	Height mm	Segments
H1	H2	H3				
20021	-	-	100-400	40	37	13
Discount group 1						



Milling Cutter suitable for:

ProKasro Light 500/900 Watt Motor.....M10/Cutter Chuck

ProKasro Electro 2000 Watt MotorM10/Cutter Chuck

BLACK•LINE Mushroom Milling Cutter

Usage: Milling of deposits, inliner and roots

Note: Not made for reinforced concrete!

Article No.		DN mm	Ø mm	Height mm	Segments
Type R	Type U				
BL 11411	-	100-400	45	20	10
Discount group 2					

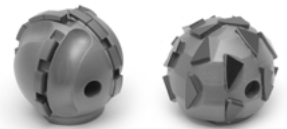


BLACK•LINE Ball Milling Cutter

Usage: Milling of laterals and inliner

Note: Not made for reinforced concrete!

Article No.		DN mm	Ø mm	Height mm	Segments
Type R	Type U				
BL 11408	-	100-400	30	32	14
-	BL 11408 U	100-400	30	32	U
Discount group 2					



BLACK•LINE Finger Milling Cutter

Usage: Opening of laterals

Note: Not made for reinforced concrete!

Article No.		DN mm	Ø mm	Height mm	Segments
Type R	Type U				
BL 11412	-	100-400	12	45	3
Discount group 2					



BLACK•LINE Taper Milling Cutter with Carbide tip

Usage: Opening of laterals

Note: Not made for reinforced concrete!

Article No.		DN mm	Ø mm	Height mm	Segments
Type R	Type U				
BL 11407	-	100-400	27/15	35	4
-	BL 11407 U	100-400	27/15	35	U
Discount group 2					



Milling Cutter suitable for:

ProKasro Light 500/900 Watt Motor.....M10/Cutter Chuck

ProKasro Electro 2000 Watt MotorM10/Cutter Chuck

HM•LINE Carbide Granule Half-Ball Milling Cutter

Usage: Milling of inliner

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



HM•LINE Carbide Granule Ball Milling Cutter

Usage: Milling of inliner

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

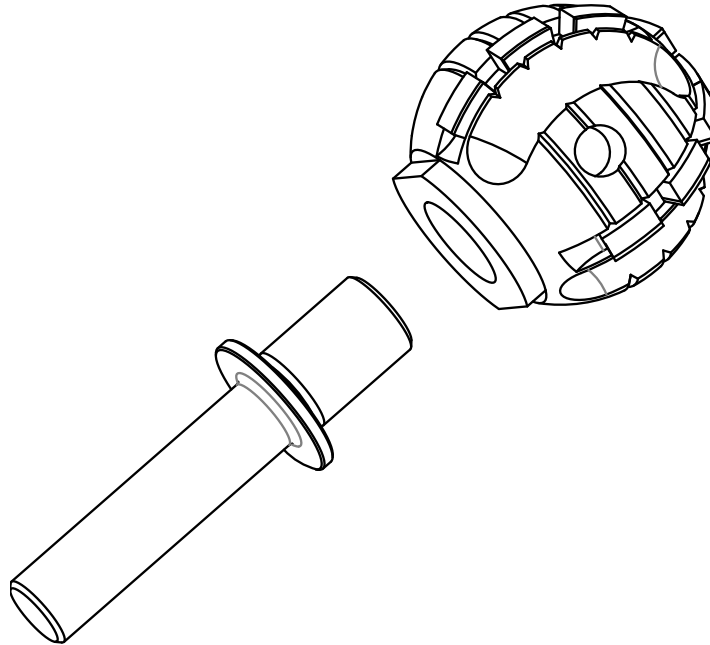


HM•LINE Taper Milling Cutter with Carbide Bits

Usage: Milling of inliner

Article No.	DN mm	Ø mm	Height mm	Bits
50101	100-400	25/20	20	4
50102	100-400	40/35	20	7
Discount group 3				





Adapter for Cutter Chuck ProKasro Light 500/900 Watt Motor

Stainless steel

Article No.	Ø Shaft mm	H Shaft mm	Fitting
90130	6	34	M10 x 0,75
90131	8	34	M10 x 0,75
Discount group 3			



Adapter for Cutter Chuck ProKasro Electro 2000 Watt Motor

Stainless steel

Article No.	Ø Shaft mm	H Shaft mm	Fitting
90131	8	34	M10 x 0,75
90135	8	34	M14
Discount group 3			

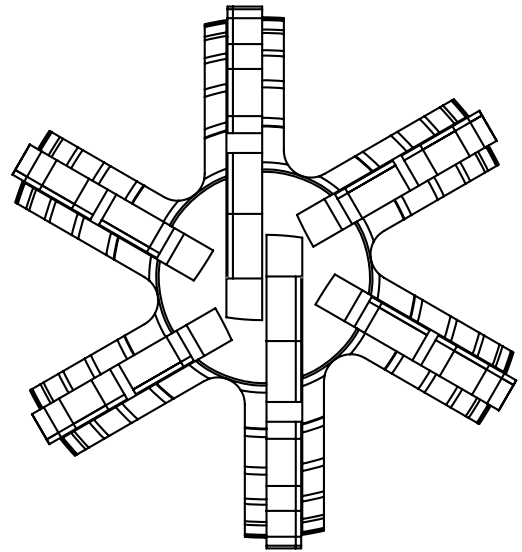


Milling tools for the adapter M14 see chapter 8.

Milling Cutter suitable for:

IMS MICRO drive 2Special Thread
IMS MINI 2Special Thread

ProView®



ProView Milling Tool Line Advantages

- The "Propeller Effect", which is the result of the special design and the rotation, makes the milling tool invisible and provides free view to the working area.
- Thanks to deep notches the cutting tool's weight is reduced, which strongly benefits the motor shaft's lifetime and enhances the smooth running of the tools.

BLACK•LINE

Ball Milling Cutter *ProView®*
Double-Cone Milling Cutter *ProView®*

Page 1

N•TEC II®
PREMIUM

Ball Milling Cutter *ProView®*

Page 1

HM•LINE

Carbide Granule Ball Milling Cutter *ProView®*

Page 1

Milling Cutter suitable for:

IMS MICRO drive 2Special Thread

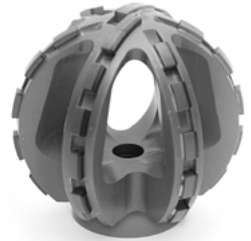
IMS MINI 2Special Thread

BLACK•LINE Ball Milling Cutter Type *ProView*®

Usage: Milling of inliner, PVC and vitrified clay

Note: Not made for reinforced concrete!

Article No.	Ø mm	Height mm	Segments
BL 11108	50	46	30
Discount group 2			



BLACK•LINE Double-Cone Milling Cutter Type *ProView*®

Usage: Milling of inliner, PVC and vitrified clay

Note: Not made for reinforced concrete!

Article No.	Ø mm	Height mm	Segments
BL 11107	36	41	16
Discount group 2			



N•TEC II Diamond Ball Milling Cutter Type *ProView*®

Usage: Milling of concrete and vitrified clay

Article No.	Ø mm	Height mm	Segments
20102 P	50	44	19
Discount group 1			

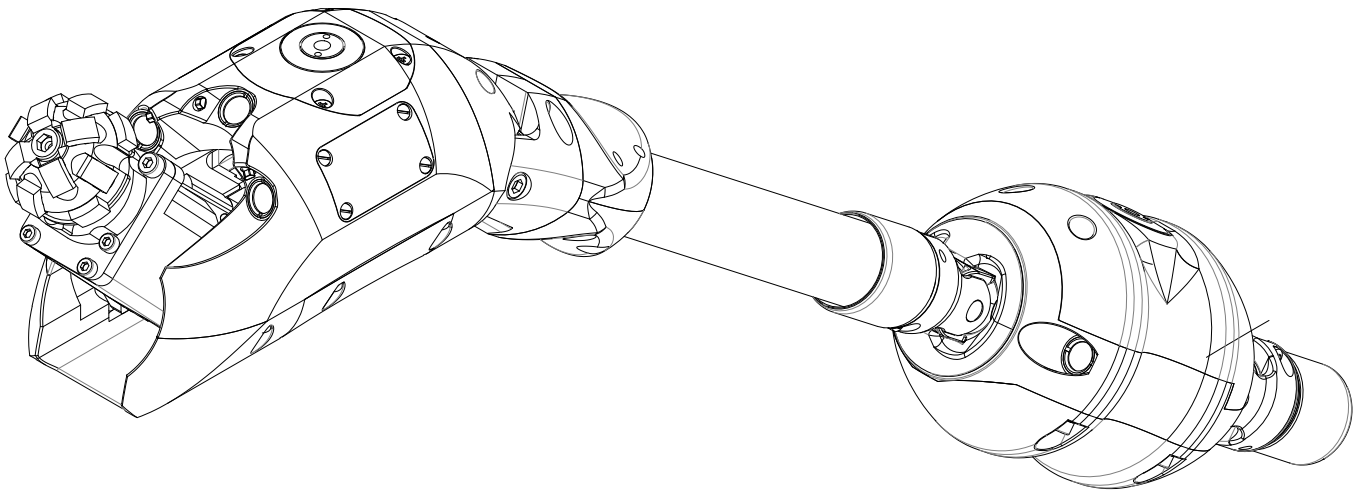


HM•LINE Carbide Granule Ball Milling Cutter Type *ProView*®

Usage: Milling of inliner and PVC

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





BLACK•LINE

Half-Ball Milling Cutter

Page 1

HM•LINE

Carbide Granule Half-Ball Milling Cutter

Page 1

BLACK•LINE Half-Ball Milling Cutter

Usage: Milling of inliner, PVC and vitrified clay

Note: Not made for reinforced concrete!

Article No.	Ø mm	Height mm	Segments
BL 11501	40	26	12
Discount group 2			



HM•LINE Carbide Granule Half-Ball Milling Cutter

Usage: Milling of inliner and PVC

Article No.	Ø mm	Height mm	Grit size mm
50501	40	26	2,0-3,0
Discount group 3			



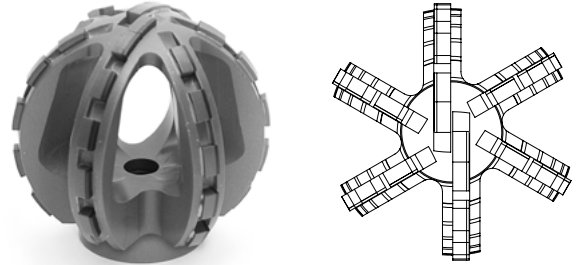
Milling Cutter suitable for:

IMS MICRO (until 2010)	M8/60° Cone
IMS MICRO (from 2010 up)	Special Thread
IMS NANO	Special Thread

ProView®

Advantages of this Milling Tool Line

- The "Propeller Effect", which is the result of the special design and the rotation, makes the milling tool invisible and provides free view to the working area.
- Thanks to deep notches the cutting tool's weight is reduced, which strongly benefits the motor shaft's lifetime and enhances the smooth running of the tools.



BLACK•LINE

Ball Milling Cutter *ProView®*
Half-Ball Milling Cutter *ProView®*
Double-Cone Milling Cutter *ProView®*

Page 1

N•TEC II® PREMIUM

Ball Milling Cutter *ProView®*
Half-Ball Milling Cutter *ProView®*

Page 2

HM•LINE

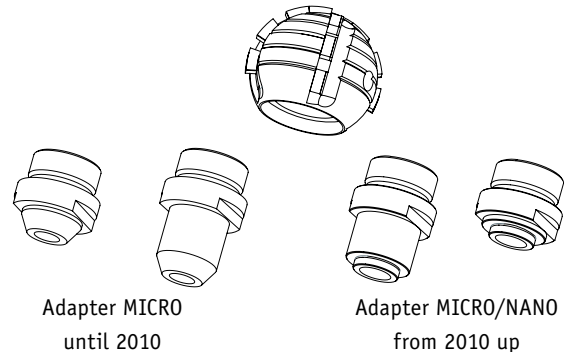
Carbide Granule Ball Milling Cutter *ProView®*
Carbide Granule Half-Ball Milling Cutter *ProView®*

Page 2

Change System

Advantages of this Milling Tool Line

- Because of the modular design, it's now possible to use the same milling tool for different threads.
- Optional in short or long version.
- Optimised smooth running through precision balancing and the stainless steel adapter, which is usable several times.



Adapter MICRO
until 2010

Adapter MICRO/NANO
from 2010 up

BLACK•LINE

Inlet Milling Cutter
Ball Milling Cutter
Half-Ball Milling Cutter
Adapter

Page 3

N•TEC II®

Ball Milling Cutter
Half-Ball Milling Cutter
Adapter

Page 4

HM•LINE

Carbide Granule Ball Milling Cutter
Carbide Granule Half-Ball Milling Cutter
Adapter

Page 5

ACCESSORIES

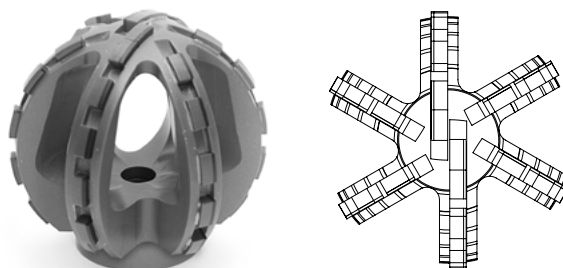
Special Pin Tong
Special Flat Spanner

Page 6

ProView®

Advantages of this Milling Tool Line

- The "Propeller Effect", which is the result of the special design and the rotation, makes the milling tool invisible and provides free view to the working area.
- Thanks to deep notches the cutting tool's weight is reduced, which strongly benefits the motor shaft's lifetime and enhances the smooth running of the tools.

**BLACK-LINE** Ball Milling Cutter Type ProView®

Usage: Milling of inliner, PVC and vitrified clay

Note: Not made for reinforced concrete!

Article No.	Ø mm	Height mm	Segments
BL 11101	32	30	14
BL 11103	40	38	18
Discount group 2			

**BLACK-LINE** Half-Ball Milling Cutter Type ProView®

Usage: Milling of inliner, PVC and vitrified clay

Note: Not made for reinforced concrete!

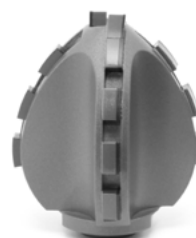
Article No.	Ø mm	Height mm	Segments
BL 11105	30	20	10
BL 11106	40	24	12
Discount group 2			

**BLACK-LINE** Double-Cone Milling Cutter Type Type ProView®

Usage: Milling of inliner, PVC and vitrified clay

Note: Not made for reinforced concrete!

Article No.	Ø mm	Height mm	Segments
BL 11107	36	41	16
Discount group 2			





Diamond Ball Milling Cutter Type *ProView*®

Usage: Milling of concrete and vitrified clay

Article No.	Ø mm	Height mm	Segments
20101 P	38	33	13
Discount group 1			



Diamond Half-Ball Milling Cutter Type *ProView*®

Usage: Milling of concrete and vitrified clay

Article No.	Ø mm	Height mm	Segments
20103 P	36	24	7
Discount group 1			



Carbide Granule Ball Milling Cutter Type *ProView*®

Usage: Milling of inliner and PVC

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

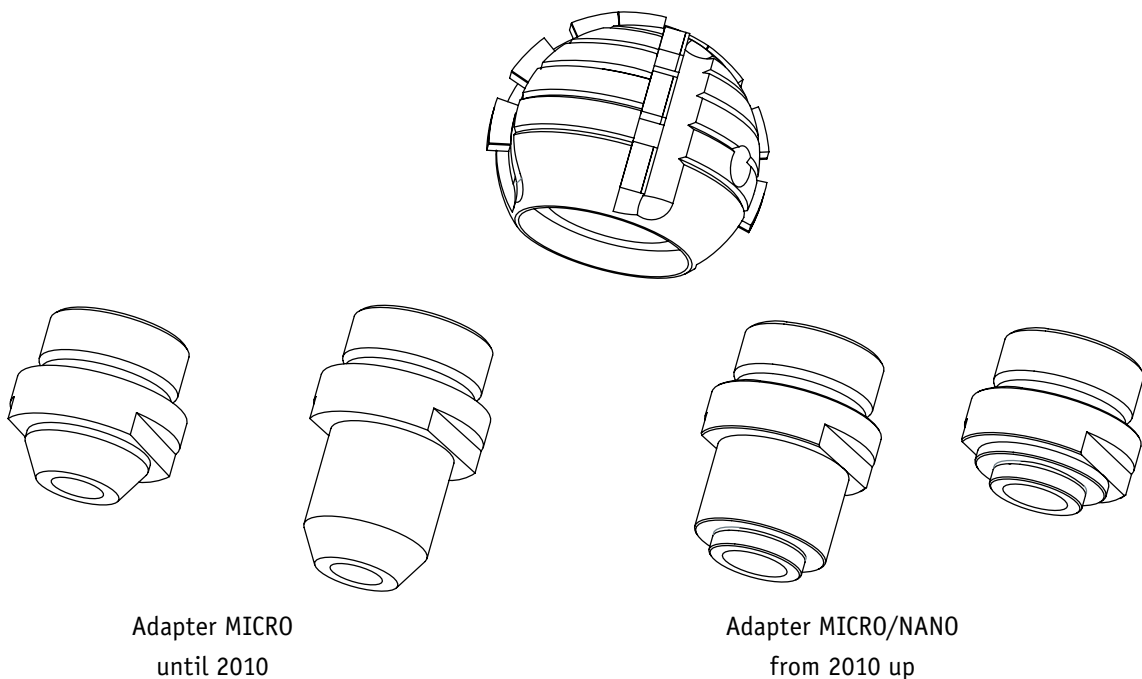


Carbide Granule Half-Ball Milling Cutter Type *ProView*®

Usage: Milling of inliner and PVC

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





Advantages of this Milling Tool Line

- Because of the modular design, it's now possible to use the same milling tool for different threads.
- Optional in short or long version.
- Optimised smooth running through precision balancing and the stainless steel adapter, which is usable several times.

Milling Cutter suitable for:

IMS MICRO (until 2010)	M8/60° Cone
IMS MICRO (from 2010 up)	Special Thread
IMS NANO	Special Thread

BLACK•LINE Inlet Milling Cutter

Usage: Milling of inliner, PVC and vitrified clay

Note: Not made for reinforced concrete!

Article No.	Ø mm	Height mm	Segments
BL 11436	50	25	28
Discount group 2			

For use with thread adapter only (see below)



BLACK•LINE Ball Milling Cutter

Usage: Milling of inliner, PVC and vitrified clay

Note: Not made for reinforced concrete!

Article No.	Ø mm	Height mm	Segments
BL 11434	32	25	12
BL 11435	36	30	14
BL 11435 U	36	26	U
Discount group 2			

For use with thread adapter only (see below)



BLACK•LINE Half-Ball Milling Cutter

Usage: Milling of inliner, PVC and vitrified clay

Note: Not made for reinforced concrete!

Article No.	Ø mm	Height mm	Segments
BL 11433	40	20	12
Discount group 2			

For use with thread adapter only (see below)



Stainless steel adapter until 2010 – M8, 60° Cone

Article No.	Description
91003	Short version
91004	Long version
Discount group 3	



Stainless steel adapter from 2010 up – Special Thread

Micro		Nano	
91001	short	91005	short
91002	long	91006	long
Discount group 3			



Adapter for other robot types available upon request!

Milling Cutter suitable for:

IMS MICRO (until 2010)	M8/60° Cone
IMS MICRO (from 2010 up)	Special Thread
IMS NANO	Special Thread

N•TEC II Diamond Ball Milling Cutter

Usage: Milling of concrete and vitrified clay

Article No.	Ø mm	Height mm	Segments
20030	38	30	13
Discount group 1			

For use with thread adapter only (see below)



N•TEC II Diamond Half-Ball Milling Cutter

Usage: Milling of concrete and vitrified clay

Article No.	Ø mm	Height mm	Segments
20029	36	21	7
Discount group 1			

For use with thread adapter only (see below)



Stainless steel adapter until 2010 – M8, 60° Cone

Article No.	Description
91003	Short version
91004	Long version
Discount group 3	



Stainless steel adapter from 2010 up – Special Thread

Micro		Nano	
91001	short	91005	short
91002	long	91006	long
Discount group 3			



Adapter for other robot types available upon request!

Milling Cutter suitable for:

IMS MICRO (until 2010)	M8/60° Cone
IMS MICRO (from 2010 up)	Special Thread
IMS NANO	Special Thread

HM•LINE Carbide Granule Ball Milling Cutter

Usage: Milling of inliner and PVC

Article No.	Ø mm	Height mm	Grit size mm
50011	30	26	2,0–3,0
Discount group 3			

For use with thread adapter only (see below)



HM•LINE Carbide Granule Half-Ball Milling Cutter

Usage: Milling of inliner and PVC

Article No.	Ø mm	Height mm	Grit size mm
50010	40	20	2,0–3,0
Discount group 3			

For use with thread adapter only (see below)



Stainless steel adapter until 2010 – M8, 60° Cone

Article No.	Description
91003	Short version
91004	Long version
Discount group 3	

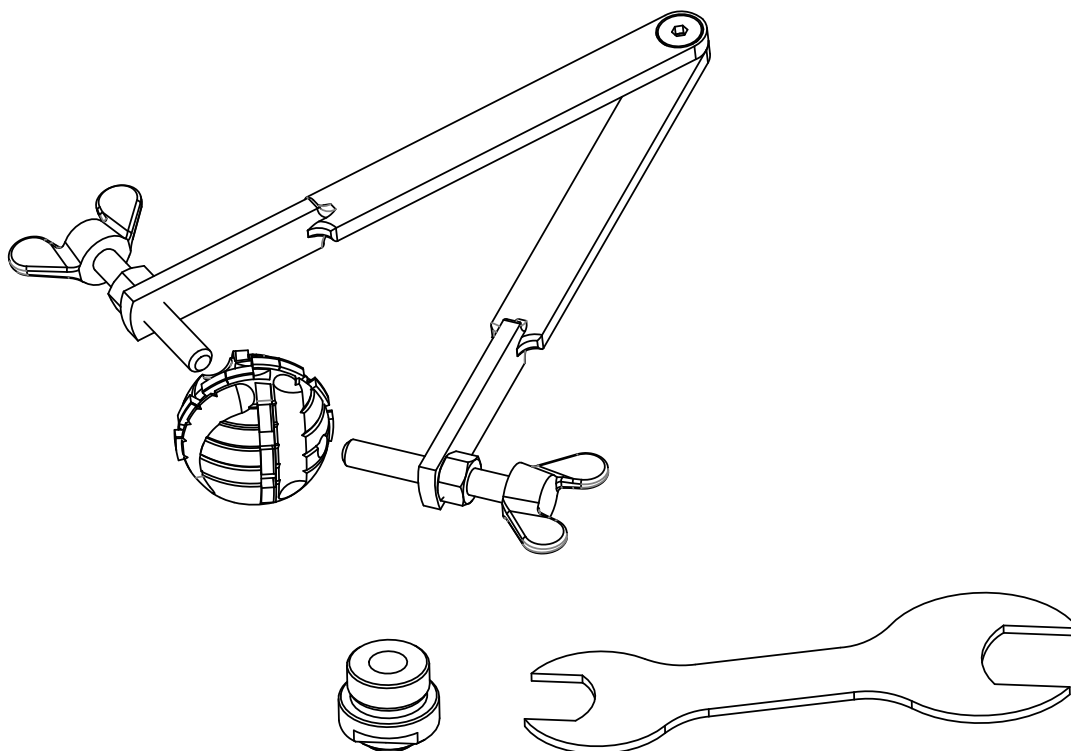


Stainless steel adapter from 2010 up – Special Thread

Micro		Nano	
91001	short	91005	short
91002	long	91006	long
Discount group 3			



Adapter for other robot types available upon request!



ACCESSORIES – Special Pin Tong

Article No.	Description
92002	Special Pin Tong
Net price without discount!	



ACCESSORIES – Special Flat Spanner

Article No.	Description
92001	Special Flat Spanner SW 17+22
Net price without discount!	



Milling Cutter suitable for:

Hächler Climb.....	3/8" UNF	Bodus Cutter MWR 10/20.....	M16
Hächler Climbolino.....	1/4" UNF	IBAK robotics FlexiGator.....	M12
RS Cutter/SE Cutter.....	3/8" UNF	IBG HydroCut 60.....	M14
Dan Cutter.....	3/8" UNF	IMS MIDI/MINI (until 2010).....	5/8" UNC
Bodus Cutter Micro.....	3/8" UNF	Gfenntech Sewer Train.....	M8

BLACK•LINE

Ball Milling Cutter *ProView*[®]
Double-Cone Milling Cutter *ProView*[®]

Page 1

Ball Milling Cutter
Half-Ball Milling Cutter

Page 2

N•TEC II[®]

Ball Milling Cutter
Half-Ball Milling Cutter

Page 3

HM•LINE

Carbide Granule Ball Milling Cutter
Carbide Granule Half-Ball Milling Cutter

Page 3

ACCESSORIES

Extensions
Adapter

Page 4

Milling Cutter suitable for:

Hächler Climb.....	3/8" UNF	Bodus Cutter MWR 10/20.....	M16
Hächler Climbolino.....	1/4" UNF	IBAK robotics FlexiGator.....	M12
RS Cutter/SE Cutter.....	3/8" UNF	IBG HydroCut 60.....	M14
Dan Cutter.....	3/8" UNF	IMS MIDI/MINI (until 2010).....	5/8" UNC
Bodus Cutter Micro.....	3/8" UNF	Gfenntech Sewer Train.....	M8

ProView®

ProView Milling Tool Line Advantages

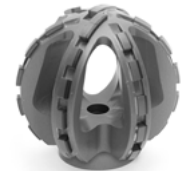
- The "Propeller Effect", which is the result of the special design and the rotation, makes the milling tool invisible and provides free view to the working area.
- Thanks to deep notches the cutting tool's weight is reduced, which strongly benefits the motor shaft's lifetime and enhances the smooth running of the tools.

BLACK•LINE Ball Milling Cutter Type *ProView®*

Usage: Milling of inliner, PVC and vitrified clay

Note: Not made for reinforced concrete!

Article No.	Ø mm	Height mm	Segments
BL 11108	50	46	30
Discount group 2			



BLACK•LINE Ball Milling Cutter Type *ProView®*

Usage: Milling of inliner, PVC and vitrified clay

Note: Not made for reinforced concrete!

Article No.	Ø mm	Height mm	Segments
BL 11110	40	38	18
Discount group 2			



BLACK•LINE Double-Cone Milling Cutter Type *ProView®*

Usage: Milling of inliner, PVC and vitrified clay

Note: Not made for reinforced concrete!

Article No.	Ø mm	Height mm	Segments
BL 11112	36	41	16
Discount group 2			



Milling Cutter suitable for:

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

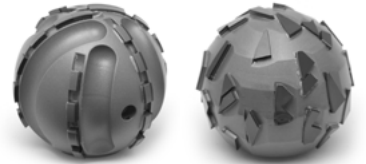
Bodus Cutter MWR 10/20.....	M16
IBAK robotics FlexiGator.....	M12
IBG HydroCut 60.....	M14
IMS MIDI/MINI (until 2010).....	5/8" UNC
Gfenntech Sewer Train.....	M8

BLACK•LINE Ball Milling Cutter

Usage: Milling of inliner, PVC and vitrified clay

Note: Not made for reinforced concrete!

Article No.		Ø mm	Height mm	Segments
Type R	Type U			
BL 11410	-	50	45	30
-	BL 11410 U	50	45	U
Discount group 2				



BLACK•LINE Ball Milling Cutter

Usage: Milling of inliner, PVC and vitrified clay

Note: Not made for reinforced concrete!

Article No.		Ø mm	Height mm	Segments
Type R	Type U			
BL 11414	-	40	42	18
-	BL 11414 U	40	40	U
Discount group 2				



BLACK•LINE Ball Milling Cutter

Usage: Milling of inliner, PVC and vitrified clay

Note: Not made for reinforced concrete!

Article No.		Ø mm	Height mm	Segments
Type R	Type U			
BL 11408	-	30	32	14
-	BL 11408 U	30	32	U
Discount group 2				



BLACK•LINE Half-Ball Milling Cutter

Usage: Milling of inliner, PVC and vitrified clay

Note: Not made for reinforced concrete!

Article No.		Ø mm	Height mm	Segments
Type R	Type U			
BL 11428	-	40	25	12
BL 11429	-	30	20	8
Discount group 2				



Milling Cutter suitable for:

Hächler Climb.....	3/8" UNF
Hächler Climbolino.....	1/4" UNF
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
IBG HydroCut 60.....	M14
IMS MIDI/MINI (until 2010).....	5/8" UNC
Gfenntech Sewer Train.....	M8

N•TEC II® Ball Milling Cutter

Usage: Milling of concrete and vitrified clay

Article No.	Ø mm	Height mm	Segments
20020	50	46	19
20021	40	37	13
Discount group 1			



N•TEC II® Half-Ball Milling Cutter

Usage: Milling of concrete and vitrified clay

Article No.	Ø mm	Height mm	Segments
20034	50	29	13
20035	36	25	7
Discount group 1			



HM•LINE Carbide Granule Ball Milling Cutter

Usage: Milling of inliner and PVC

Article No.	Ø mm	Height mm	Grit size mm
50001	50	50	2,0-3,0
50002	40	42	2,0-3,0
50005	30	32	2,0-3,0
Discount group 3			



HM•LINE Carbide Granule Half-Ball Milling Cutter

Usage: Milling of inliner and PVC

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



Extensions

Stainless steel

Article No.	Description	Ø mm	Height mm
90136	IBAK robotics FlexiGator M12	18	20
90137		18	50
Discount group 3			



Extensions

Stainless steel

Article No.	Description	Ø mm	Height mm
90138	RS Cutter 3/8" UNF	18	20
90139		18	40
Discount group 3			



Adapter

Stainless steel

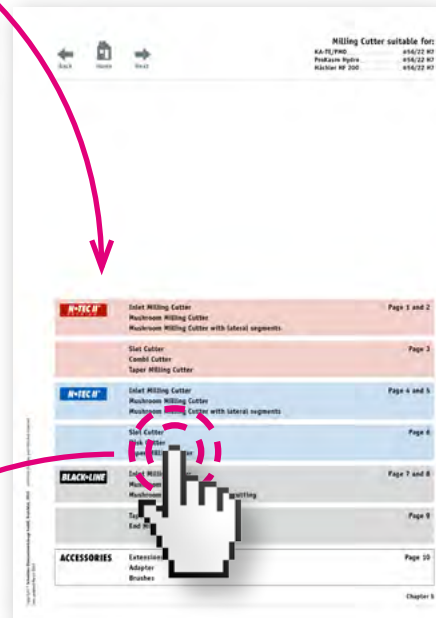
Article No.	Description	Ø mm	Height mm
90124	Bodus Cutter MWR 10/20 3/8" UNF to M16/60° Cone	24	38
Discount group 3			



NAVIGATION TIPS



Click the robot type to select from available product lines.



Click the product to open the product details.

Go back to previous page.

Back



Go to Home.

Home



Go to next page.

Next

