

The background of the entire page is a stylized illustration of interlocking gears. The gears are rendered in a light gray, almost white, color with thin black outlines. They are arranged in a way that creates a sense of depth and movement, with some gears appearing to be in the foreground and others receding into the background. The overall aesthetic is clean and technical.

PRODUCT PROGRAM

Product catalog for
robots of the brand

IMS*

PRODUCT PROGRAM 2025



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VHM•LINE



Special Milling Tools for Processing Steel and Cast Iron

Materials to be processed

- Cast Iron
- Steel

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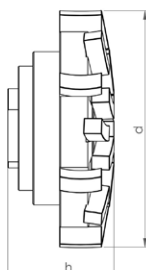
Functional Accessories

High-quality brushes, adapters, extensions, etc.

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Mushroom-head milling cutter spring-mounted



Materials to be processed

- Reinforced Concrete
- Concrete
- Deposits / Fouling
- Cast Iron
- Vitrified Clay

Field of Application

- Removal of intruding laterals
- Surface grinding and milling
- Removal of intruding obstacles
- Milling of offset socket transitions

Article-No.	Pipe Ø inch	d inch	h inch	Segments	Weight pounds
20044 P 3/4" SG	8 - 12	3.5	1.6	21	1.54
20045 P 3/4" SG	12 - 18	3.5	1.6	21	1.54
20046 P 3/4" SG	18 - 24	3.5	1.6	21	1.54



Mushroom-head milling cutter machined for minimum runout



Materials to be processed

- Reinforced Concrete
- Concrete
- Deposits / Fouling
- Cast Iron
- Vitrified Clay

Field of Application

- Removal of intruding laterals
- Surface grinding and milling
- Milling of offset socket transitions

Article-No.	Pipe Ø inch	d inch	h inch	Segments	Weight pounds
20006 P 3/4" SG	8 - 12	3.1	1.2	21	0.99
20007 P 3/4" SG	12 - 18	3.1	1.2	21	0.99
20008 P 3/4" SG	18 - 24	3.1	1.2	21	0.99



Mushroom-head milling cutter machined for minimum runout



Materials to be processed

- Reinforced Concrete
- Concrete
- Deposits / Fouling
- Cast Iron
- Vitrified Clay

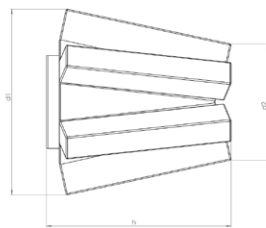
Field of Application

- Removal of intruding laterals
- Surface grinding and milling
- Milling of offset socket transitions

Article-No.	Pipe Ø inch	d inch	h inch	Segments	Weight pounds
20024 P 3/4" SG	8 - 12	2.8	1.2	18	0.77
20025 P 3/4" SG	12 - 18	2.8	1.2	18	0.77
20026 P 3/4" SG	18 - 24	2.8	1.2	18	0.77



Tapered milling cutter machined for minimum runout



Materials to be processed

- Reinforced Concrete
- Concrete
- Cast Iron
- Vitrified Clay

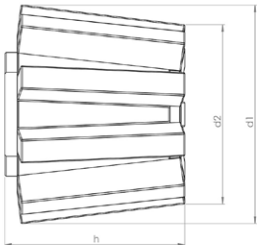
Field of Application

- Preparatory milling of laterals
- Removal of intruding laterals

Article-No.	d1 inch	d2 inch	h inch	Segments	Weight pounds
20051 P 3/4" SG	1.7	1.1	1.7	6	0.33



Tapered milling cutter machined for minimum runout



Materials to be processed

- Reinforced Concrete
- Concrete
- Cast Iron
- Vitrified Clay

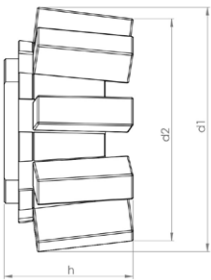
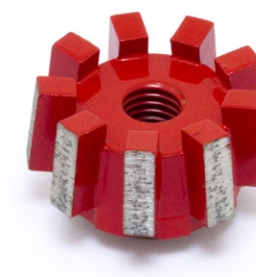
Field of Application

- Preparatory milling of laterals
- Removal of intruding laterals

Article-No.	d1 inch	d2 inch	h inch	Segments	Weight pounds
20004 P 3/4" SG	2.0	1.7	1.6	9	0.66



Tapered milling cutter machined for minimum runout



Materials to be processed

- Reinforced Concrete
- Concrete
- Cast Iron
- Vitrified Clay

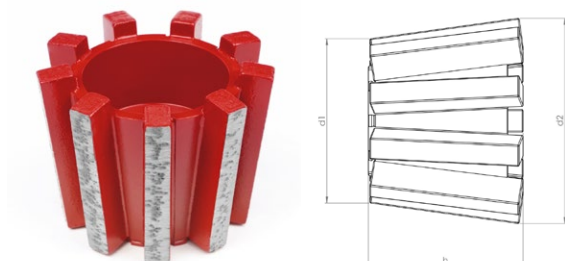
Field of Application

- Preparatory milling of laterals
- Removal of intruding laterals

Article-No.	d1 inch	d2 inch	h inch	Segments	Weight pounds
20001 P 3/4" SG	2.0	1.8	1.0	9	0.44



V-shape milling cutter machined for minimum runout



Materials to be processed

- Reinforced Concrete
- Concrete
- Cast Iron
- Vitrified Clay

Field of Application

- Preparatory milling of laterals
- Removal of intruding laterals

Article-No.	d1 inch	d2 inch	h inch	Segments	Weight pounds
20039 P 3/4" SG	1.7	2.0	1.7	9	0.66



Inlet milling cutter machined for minimum runout



Materials to be processed

- Reinforced Concrete
- Concrete
- Cast Iron
- Vitrified Clay

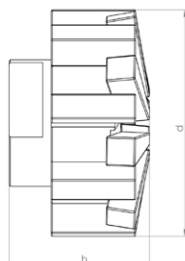
Field of Application

- Preparatory milling of laterals
- Removal of intruding laterals

Article-No.	d inch	h inch	Segments	Weight pounds
20015 P 3/4" SG	2.7	1.3	16	0.88



Inlet milling cutter machined for minimum runout



Materials to be processed

- Reinforced Concrete
- Concrete
- Cast Iron
- Vitrified Clay

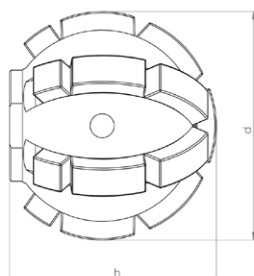
Field of Application

- Preparatory milling of laterals
- Removal of intruding laterals

Article-No.	d inch	h inch	Segments	Weight pounds
20047 P 3/4" SG	2.2	1.4	16	0.66



Ball milling cutter



Materials to be processed

- Reinforced Concrete
- Concrete
- Deposits / Fouling
- Cast Iron
- Vitrified Clay

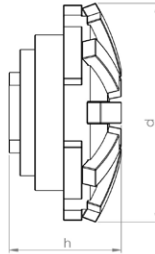
Field of Application

- Preparatory milling of laterals
- Removal of intruding laterals
- Removal of intruding obstacles

Article-No.	d inch	h inch	Segments	Weight pounds
20020 P 3/4" SG	2.0	1.8	19	0.66



N•TEC II® Mushroom-head milling cutter spring-mounted



Materials to be processed

- Reinforced Concrete
- Concrete
- Deposits / Fouling
- Cast Iron
- Vitrified Clay

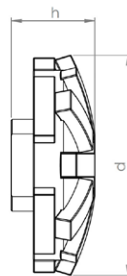
Field of Application

- Removal of intruding laterals
- Surface grinding and milling
- Removal of intruding obstacles
- Milling of offset socket transitions

Article-No.	Pipe Ø inch	d inch	h inch	Segments	Weight pounds
20036 3/4" SG	8 - 12	3.1	1.7	15	1.65
20037 3/4" SG	12 - 18	3.1	1.7	15	1.65
20038 3/4" SG	18 - 24	3.1	1.7	15	1.65

Note: Milling tools in other segment hardnesses are available on request.

N•TEC II® Mushroom-head milling cutter



Materials to be processed

- Reinforced Concrete
- Concrete
- Deposits / Fouling
- Cast Iron
- Vitrified Clay

Field of Application

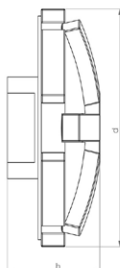
- Removal of intruding laterals
- Surface grinding and milling
- Milling of offset socket transitions

Article-No.	Pipe Ø inch	d inch	h inch	Segments	Weight pounds
20031 3/4" SG	8 - 12	2.8	1.2	15	0.77
20032 3/4" SG	12 - 18	2.8	1.2	15	0.77
20033 3/4" SG	18 - 24	2.8	1.2	15	0.77

Note: Milling tools in other segment hardnesses are available on request.



N•TEC II® Mushroom-head milling cutter



Materials to be processed

- Reinforced Concrete
- Concrete
- Deposits / Fouling
- Cast Iron
- Vitrified Clay

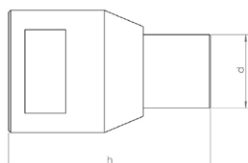
Field of Application

- Removal of intruding laterals
- Surface grinding and milling
- Milling of offset socket transitions

Article-No.	Pipe Ø inch	d inch	h inch	Segments	Weight pounds
21006 3/4" SG	8 - 12	2.8	1.2	10	0.66
21007 3/4" SG	12 - 18	2.8	1.2	10	0.66
21008 3/4" SG	18 - 24	2.8	1.2	10	0.66

Note: Milling tools in other segment hardnesses are available on request.

N•TEC II® Slot milling cutter



Materials to be processed

- Reinforced Concrete
- Concrete
- Cast Iron
- Vitrified Clay

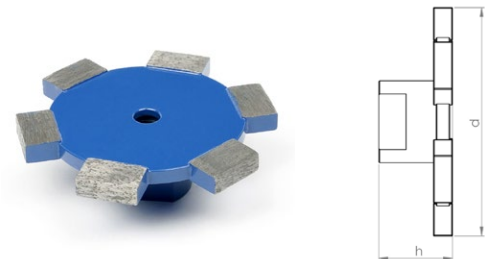
Field of Application

- Preparatory milling of cracks and sockets

Article-No.	d inch	h inch	Segments	Weight pounds
20009 3/4" SG	0.7	2.0	1	0.22



N•TEC II® Disk milling cutter



Materials to be processed

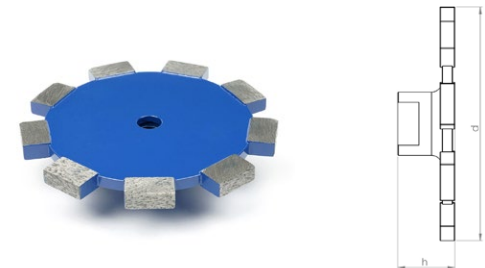
- Reinforced Concrete
- Concrete
- Vitrified Clay

Field of Application

- Milling of circumferential slots on laterals

Article-No.	d inch	h inch	Segments	Weight pounds
20041 3/4" SG	3.3	1.1	6	0.66

N•TEC II® Disk milling cutter



Materials to be processed

- Reinforced Concrete
- Concrete
- Vitrified Clay

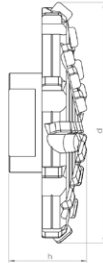
Field of Application

- Milling of circumferential slots on laterals

Article-No.	d inch	h inch	Segments	Weight pounds
20042 3/4" SG	4.3	1.1	9	0.99



BLACK-LINE Mushroom-head milling cutter



Materials to be processed

- Concrete
- Deposits / Fouling
- UV CIPP
- Roots
- PVC
- Vitrified Clay
- Felt CIPP

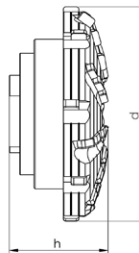
Note: Use on steel-reinforced concrete will destroy the cutting elements!

Field of Application

- Surface milling
- Removal of intruding obstacles
- Milling of offset socket transitions

Article-No.	Pipe Ø inch	d inch	h inch	Segments	Weight pounds
BL 11426 3/4" SG	8 - 18	2.5	1.0	28	0.44
BL 11401 3/4" SG	12 - 24	3.0	1.1	32	0.55

BLACK-LINE Mushroom-head milling cutter spring-mounted



Materials to be processed

- Concrete
- Deposits / Fouling
- UV CIPP
- Roots
- PVC
- Vitrified Clay
- Felt CIPP

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

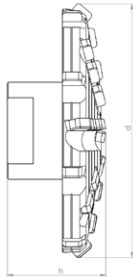
Field of Application

- Surface milling
- Removal of intruding obstacles
- Milling of offset socket transitions

Article-No.	Pipe Ø inch	d inch	h inch	Segments	Weight pounds
BL 11458 3/4" SG	8 - 12	3.1	1.5	32	1.54
BL 11459 3/4" SG	12 - 18	3.1	1.5	32	1.54
BL 11460 3/4" SG	18 - 24	3.1	1.5	32	1.54



BLACK-LINE Mushroom-head milling cutter center cutting



Materials to be processed

- Concrete
- Deposits / Fouling
- UV CIPP
- Roots
- PVC
- Vitrified Clay
- Felt CIPP

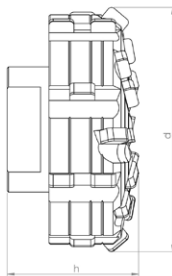
Note: Use on steel-reinforced concrete will destroy the cutting elements!

Field of Application

- Frontal milling
- Surface milling
- Removal of intruding obstacles
- Milling of offset socket transitions

Article-No.	Pipe Ø inch	d inch	h inch	Segments	Weight pounds
BL 11427 3/4" SG	8 - 18	2.6	1.1	30	0.44
BL 11402 3/4" SG	12 - 24	3.0	1.3	34	0.66

BLACK-LINE Inlet milling cutter



Materials to be processed

- Concrete
- Deposits / Fouling
- UV CIPP
- Roots
- PVC
- Vitrified Clay
- Felt CIPP

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

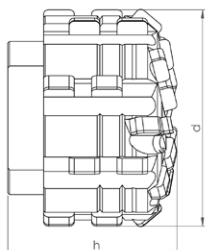
Field of Application

- Opening of laterals and inlet lines
- Preparatory milling of laterals
- Removal of intruding laterals
- Removal of intruding obstacles

Article-No.	d inch	h inch	Segments	Weight pounds
BL 11409 3/4" SG	2.2	1.2	28	0.77



BLACK-LINE Inlet milling cutter



Materials to be processed

- Concrete
- Deposits / Fouling
- UV CIPP
- Roots
- PVC
- Vitrified Clay
- Felt CIPP

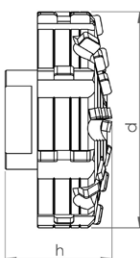
Note: Use on steel-reinforced concrete will destroy the cutting elements!

Field of Application

- Opening of laterals and inlet lines
- Preparatory milling of laterals
- Removal of intruding laterals
- Removal of intruding obstacles

Article-No.	d inch	h inch	Segments	Weight pounds
BL 11451 3/4" SG	1.8	1.3	32	0.44

BLACK-LINE Inlet milling cutter center cutting



Materials to be processed

- Concrete
- Deposits / Fouling
- UV CIPP
- Roots
- PVC
- Vitrified Clay
- Felt CIPP

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

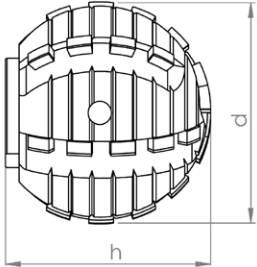
Field of Application

- Opening of laterals and inlet lines
- Preparatory milling of laterals
- Removal of intruding laterals
- Frontal milling
- Surface milling
- Removal of intruding obstacles

Article-No.	d inch	h inch	Segments	Weight pounds
BL 11452 3/4" SG	2.8	1.3	34	0.88



BLACK-LINE Ball milling cutter



Materials to be processed

- UV CIPP
- PVC
- Roots
- Felt CIPP

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

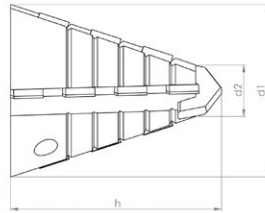
Field of Application

- Opening of laterals and inlet lines
- Removal of intruding obstacles

Article-No.	d inch	h inch	Segments	Weight pounds
BL 11410 3/4" SG	2.0	1.8	30	0.88



linerCUT Pro® Tapered milling cutter with tungsten carbide tip



Materials to be processed

- UV CIPP
- Felt CIPP
- PVC

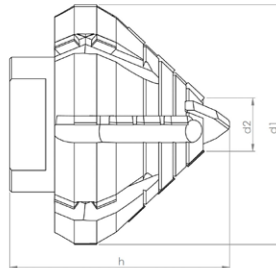
Note: Only suitable for processing CIPP liners and PVC!

Field of Application

- Opening of laterals and inlet lines

Article-No.	d1 inch	d2 inch	h inch	Segments	Weight pounds
BL 11463 3/4" SG	1.6	0.7	1.9	14	0.3

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



Materials to be processed

- UV CIPP
- Felt CIPP
- PVC

Note: Only suitable for processing CIPP liners and PVC!

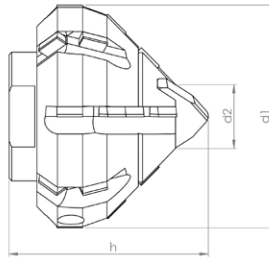
Field of Application

- Opening of laterals and inlet lines

Article-No.	d1 inch	d2 inch	h inch	Segments	Weight pounds
BL 11441 3/4" SG	2.2	0.8	1.8	24	0.66



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



Materials to be processed

- UV CIPP
- Felt CIPP
- PVC

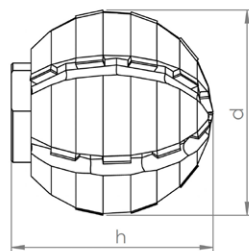
Note: Only suitable for processing CIPP liners and PVC!

Field of Application

- Opening of laterals and inlet lines

Article-No.	d1 inch	d2 inch	h inch	Segments	Weight pounds
BL 11439 3/4" SG	1.8	0.8	1.6	22	0.44

linerCUT Pro® Ball milling cutter



Materials to be processed

- UV CIPP
- Felt CIPP
- PVC

Note: Only suitable for processing CIPP liners and PVC!

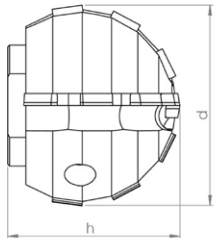
Field of Application

- Opening of laterals and inlet lines

Article-No.	d inch	h inch	Segments	Weight pounds
BL 11444 3/4" SG	2.0	2.2	24	1.1



linerCUT Pro® Ball milling cutter



Materials to be processed

- UV CIPP
- Felt CIPP
- PVC

Note: Only suitable for processing CIPP liners and PVC!

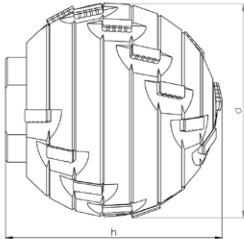
Field of Application

- Opening of laterals and inlet lines

Article-No.	d inch	h inch	Segments	Weight pounds
BL 11443 3/4" SG	1.6	1.4	12	0.44



linerCUT Pro® 2.0 Ball milling cutter



Materials to be processed

- UV CIPP
- Felt CIPP
- PVC

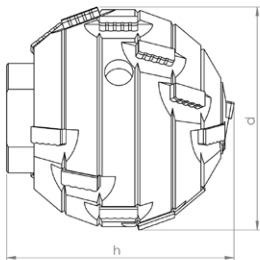
Note: Only suitable for processing CIPP liners and PVC!

Field of Application

- Opening of laterals and inlet lines

Article-No.	d inch	h inch	Segments	Weight pounds
BL 11449 3/4" SG	2.0	2.0	22	1.1

linerCUT Pro® 2.0 Ball milling cutter



Materials to be processed

- UV CIPP
- Felt CIPP
- PVC

Note: Only suitable for processing CIPP liners and PVC!

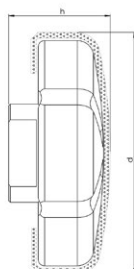
Field of Application

- Opening of laterals and inlet lines

Article-No.	d inch	h inch	Segments	Weight pounds
BL 11448 3/4" SG	1.6	1.6	18	0.55



D•GRIT Inlet milling cutter



Materials to be processed

- UV CIPP
- Felt CIPP
- PVC

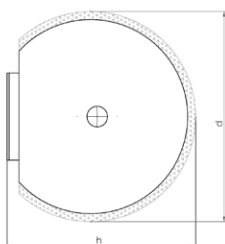
Note: Only suitable for processing CIPP liners and PVC!

Field of Application

- Opening of laterals and inlet lines
- CIPP liner finishing

Article-No.	d inch	h inch	Grit	Weight pounds
70011 3/4" SG	2.8	1.2	Diamond	1.1

D•GRIT Ball milling cutter



Materials to be processed

- UV CIPP
- Felt CIPP
- PVC

Note: Only suitable for processing CIPP liners and PVC!

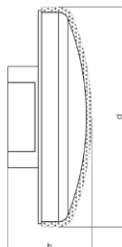
Field of Application

- Opening of laterals and inlet lines
- CIPP liner finishing

Article-No.	d inch	h inch	Grit	Weight pounds
70002 3/4" SG	2.0	1.9	Diamond	0.99



HM•LINE Mushroom-head milling cutter



Materials to be processed

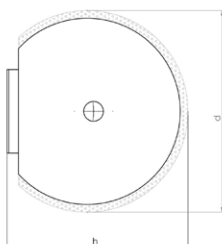
- UV CIPP
- PVC
- Roots
- Felt CIPP

Field of Application

- Removal of intruding obstacles
- CIPP liner finishing

Article-No.	d inch	h inch	Grit	Weight pounds
50003 3/4" SG	2.6	1.2	Carbide	0.66

HM•LINE Ball milling cutter



Materials to be processed

- UV CIPP
- PVC
- Roots
- Felt CIPP

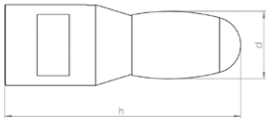
Field of Application

- Opening of laterals and inlet lines
- Removal of intruding obstacles
- CIPP liner finishing

Article-No.	d inch	h inch	Grit	Weight pounds
50001 3/4" SG	2.0	2.0	Carbide	1.32



VHM•LINE oval shaped



Materials to be processed

- Cast Iron
- Steel

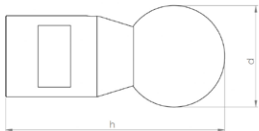
Note: Use on concrete or vitrified clay will destroy the cutting elements!

Field of Application

- Removal of intruding obstacles

Article-No.	d inch	h inch	Segments	Weight pounds
60007 3/4" SG	0.6	2.4	1	0.33

VHM•LINE ball shaped



Materials to be processed

- Cast Iron
- Steel

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

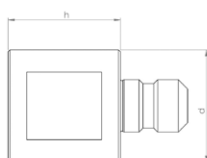
Field of Application

- Removal of intruding obstacles

Article-No.	d inch	h inch	Segments	Weight pounds
60008 3/4" SG	1.0	2.4	1	0.33



Extension 30 mm



Description

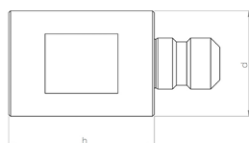
CNC fabricated tool extension for increased working radius of robot arm.

Specification

Stainless steel

Article-No.	d inch	h inch	Weight pounds
90120 3/4" SG	1.2	1.2	0.33

Extension 40 mm



Description

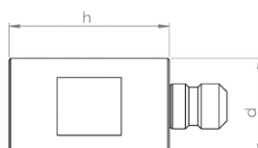
CNC fabricated tool extension for increased working radius of robot arm.

Specification

Stainless steel

Article-No.	d inch	h inch	Weight pounds
90121 3/4" SG	1.2	1.6	0.44

Extension 50 mm



Description

CNC fabricated tool extension for increased working radius of robot arm.

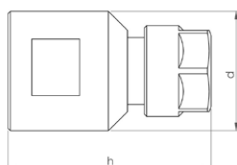
Specification

Stainless steel

Article-No.	d inch	h inch	Weight pounds
90122 3/4" SG	1.2	2.0	0.55



Adapter for mounting commercially available shank tools Ø 1/4"



Description

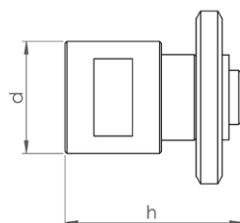
CNC fabricated collet chuck adapter for mounting commercially available shank tools.
e.g. burrs, brushes, flap grinders etc...
Mounting: Shank Ø 1/4"

Specification

Stainless steel

Article-No.	d inch	h inch	Weight pounds
90171 3/4" SG	1.2	1.6	0.22

Adapter for mounting of 3 cutting discs



Description

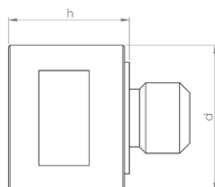
CNC fabricated adapter for mounting of 3 cutting discs.
Mounting shaft Ø 22,2 mm
includes 3 cutting discs and locking disc
NOTE: This adapter cannot be used to mount a single cutting disc!

Specification

Stainless steel

Article-No.	d inch	h inch	Weight pounds
90168 3/4" SG	1.2	1.8	0.44

Adapter for mounting of brushes and cutting discs



Description

CNC fabricated adapter for mounting of brushes and cutting discs.
Thread: M14 (14 mm O.D.)
Centering ring for cutting disc: Ø 22,2 mm
NOTE: When mounting wheel brushes or cutting discs, a locking disc is also required!

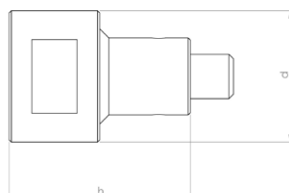
Specification

Stainless steel

Article-No.	d inch	h inch	Weight pounds
90112 3/4" SG	1.2	1.0	0.24



Adapter from 3/4"SG to M10SG



Description

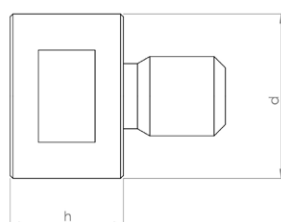
CNC fabricated adapter that permits the use of tools with M10SG threads (small motor).
Robot examples: **IMS DRIVE/ DRIVEplus/ MICRO**

Specification

Stainless steel

Article-No.	d inch	h inch	Weight pounds
90175 3/4" SG	1.2	1.6	0.19

Adapter from 3/4"SG to 5/8"UNC



Description

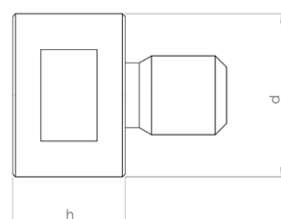
CNC fabricated adapter that permits the use of tools with 5/8"UNC threads.
Examples robot manufacturers: **IMS/ Subtech etc.....**

Specification

Stainless steel

Article-No.	d inch	h inch	Weight pounds
90177 3/4" SG	1.2	0.8	0.17

Adapter from 3/4"SG to M14



Description

CNC fabricated adapter that permits the use of tools with M14 threads.
Examples robot manufacturers: **IST/ IBG/ Schwalm etc.....**

Specification

Stainless steel

Article-No.	d inch	h inch	Weight pounds
90176 3/4" SG	1.2	0.8	0.17



Locking disc for mounting of wheel brushes and cutting discs



Description

Thread: M14 (14 mm O.D.)

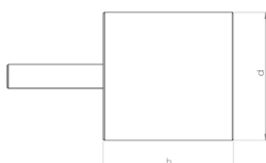
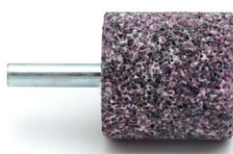
NOTE: Wheel brushes and cutting discs must be mounted using matching adapters!

Specification

Steel, burnished

Article-No.	d inch	h inch	Weight pounds
SP 90110	1.8	0.3	0.15

Mounted point-cylindrical



Description

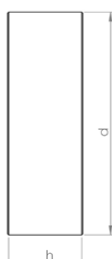
Corundum mounted point, for working on steel and cast iron.
NOTE: Only useable with adapter!

Specification

Corundum

Article-No.	d inch	h inch	Weight pounds
81002	1.3	1.3	0.17

Cup wheel Ø 80 mm



Description

Corundum cup wheel, for working on steel and cast iron.
Mounting hole Ø 22,2 mm

NOTE: May be used only with matching adapter and locking disc!

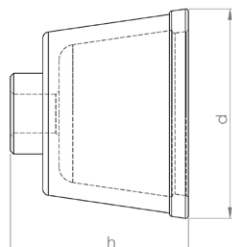
Specification

Corundum

Article-No.	d inch	h inch	Weight pounds
81003	3.1	1.1	0.44



Cup brush Ø 65 mm



Description

Premium rotary wire brush for finishing work on CIPP liners and PVC.

Mounting hole M14 (14 mm thread O.D.)

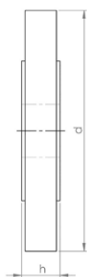
NOTE: May be used only with matching adapter!

Specification

Wire thickness: Ø 0,8 mm

Article-No.	d inch	h inch	Weight pounds
80020	2.6	2.0	0.55

Wheel brush Ø 100 mm



Description

Premium rotary wire brush for finishing work on CIPP liners and PVC.

Mounting hole Ø 22,2 mm

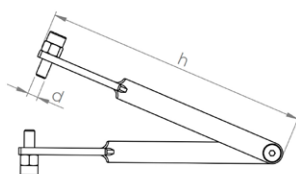
NOTE: May be used only with matching adapter and locking disc!

Specification

Wire thickness: Ø 0,5 mm

Article-No.	d inch	h inch	Weight pounds
80018	3.9	0.6	0.44

Pin-tipped tongs for safe tool changeover



Description

The tongs are fitted with pin (with adjustable gripping depth) which are inserted into the gripping holes of the milling tools, permitting safe changeover without risking damage to the tooling.

Specification

Steel

Article-No.	d inch	h inch	Weight pounds
92002	0.2	5.9	0.27



	<p>Premium Diamond Tools for High-Performance Material Removal and Long Service Life</p> <p>Materials to be processed</p> <ul style="list-style-type: none"> Reinforced Concrete Concrete Deposits / Fouling Cast Iron Vitrified Clay <p>Page 31</p>
	<p>Field-Proven Standard Diamond Tools with Outstanding Value for Purchase Investment</p> <p>Materials to be processed</p> <ul style="list-style-type: none"> Reinforced Concrete Concrete Deposits / Fouling Cast Iron Vitrified Clay <p>Page 33</p>
	<p>High-Tech Milling Tools made of PCD with Unbeatable Cutting and Stock Removal Performance for Almost Every Material</p> <p>Materials to be processed</p> <ul style="list-style-type: none"> UV CIPP Roots PVC Felt CIPP <p>Page 35</p>
	<p>Absolutely Smooth-Running and Precise PCD Cutting Tools for Opening CIPP - Optimized for UV CIPP -</p> <p>Materials to be processed</p> <ul style="list-style-type: none"> UV CIPP PVC Felt CIPP <p>Page 41</p>
	<p>Absolutely Smooth-Running and Precise PCD Cutting Tools for Opening CIPP - All Kinds of CIPP and PVC -</p> <p>Materials to be processed</p> <ul style="list-style-type: none"> UV CIPP PVC Felt CIPP <p>Page 42</p>
	<p>Milling Tools with Diamond Granules for Opening CIPP - Optimal for UV CIPP and Lined Cast Iron Pipes -</p> <p>Materials to be processed</p> <ul style="list-style-type: none"> UV CIPP PVC Felt CIPP <p>Page 43</p>
	<p>Cost-Efficient Milling Tools with Carbide Granulate Tipping for Opening and Reworking CIPP</p> <p>Materials to be processed</p> <ul style="list-style-type: none"> UV CIPP Roots PVC Felt CIPP <p>Page 44</p>



VHM•LINE

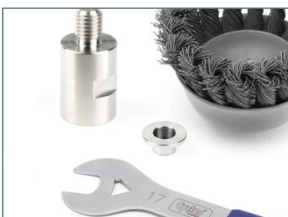


Special Milling Tools for Processing Steel and Cast Iron

Materials to be processed

- Cast Iron
- Steel

Page 47



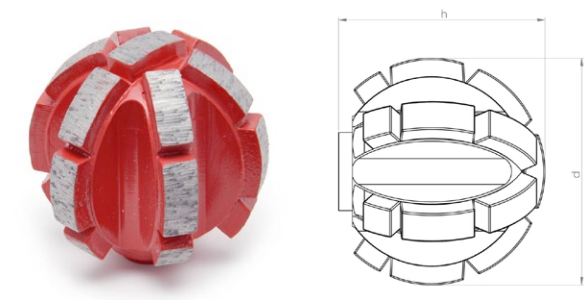
Functional Accessories

High-quality brushes, adapters, extensions, etc.

Page 48



Ball milling cutter Type ProView®



Materials to be processed

- Reinforced Concrete
- Concrete
- Deposits / Fouling
- Cast Iron
- Vitrified Clay

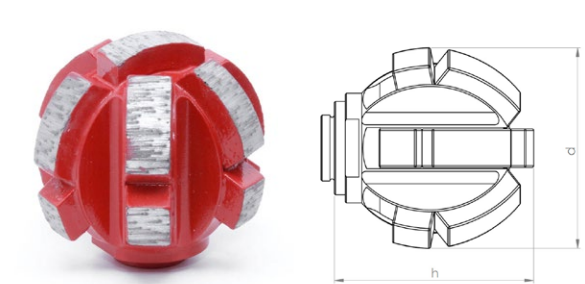
Field of Application

- Preparatory milling of laterals
- Removal of intruding laterals
- Removal of intruding obstacles

Article-No.	d inch	h inch	Segments	Weight pounds
20102 P M10SG	2.0	1.7	19	0.55



Ball milling cutter Type ProView®



Materials to be processed

- Reinforced Concrete
- Concrete
- Deposits / Fouling
- Cast Iron
- Vitrified Clay

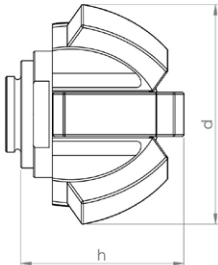
Field of Application

- Preparatory milling of laterals
- Removal of intruding laterals
- Removal of intruding obstacles

Article-No.	d inch	h inch	Segments	Weight pounds
20101 P M10SG	1.5	1.3	13	0.3



Half-ball milling cutter Type ProView®



Materials to be processed

- Reinforced Concrete
- Concrete
- Deposits / Fouling
- Cast Iron
- Vitrified Clay

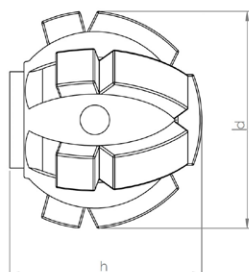
Field of Application

- Preparatory milling of laterals
- Removal of intruding laterals
- Removal of intruding obstacles

Article-No.	d inch	h inch	Segments	Weight pounds
20103 P M10SG	1.5	0.9	7	0.19



N•TEC II® Ball milling cutter



Materials to be processed

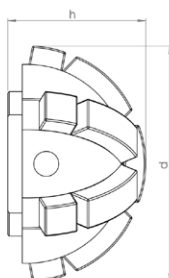
- Reinforced Concrete
- Concrete
- Deposits / Fouling
- Cast Iron
- Vitrified Clay

Field of Application

- Preparatory milling of laterals
- Removal of intruding laterals
- Removal of intruding obstacles

Article-No.	d inch	h inch	Segments	Weight pounds
20021 M10SG	1.6	1.5	13	0.44

N•TEC II® Half-ball milling cutter



Materials to be processed

- Reinforced Concrete
- Concrete
- Deposits / Fouling
- Cast Iron
- Vitrified Clay

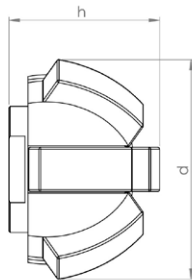
Field of Application

- Preparatory milling of laterals
- Removal of intruding laterals
- Frontal milling
- Removal of intruding obstacles

Article-No.	d inch	h inch	Segments	Weight pounds
20034 M10SG	2.0	1.1	13	0.33



Half-ball milling cutter



Materials to be processed

- Reinforced Concrete
- Concrete
- Deposits / Fouling
- Cast Iron
- Vitrified Clay

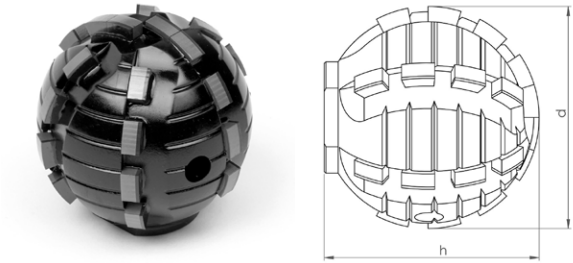
Field of Application

- Preparatory milling of laterals
- Removal of intruding laterals
- Frontal milling
- Removal of intruding obstacles

Article-No.	d inch	h inch	Segments	Weight pounds
20035 M10SG	1.4	1.0	7	0.22



BLACK•LINE Ball milling cutter



Materials to be processed

- UV CIPP
- PVC
- Roots
- Felt CIPP

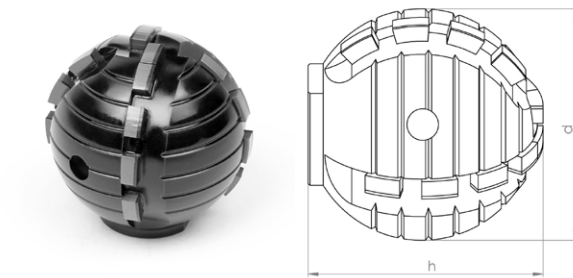
Note: Only suitable for processing CIPP liners and PVC and for cutting roots!

Field of Application

- Opening of laterals and inlet lines
- Removal of intruding obstacles

Article-No.	d inch	h inch	Segments	Weight pounds
BL 11446 M10SG	1.6	1.7	26	0.55

BLACK•LINE Ball milling cutter



Materials to be processed

- UV CIPP
- PVC
- Roots
- Felt CIPP

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

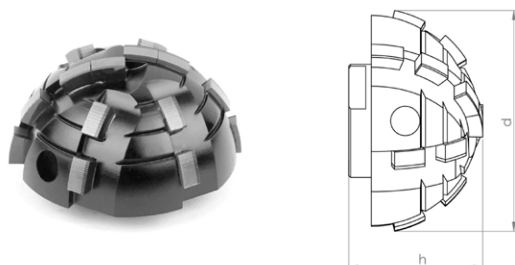
Field of Application

- Opening of laterals and inlet lines
- Removal of intruding obstacles

Article-No.	d inch	h inch	Segments	Weight pounds
BL 11414 M10SG	1.6	1.7	18	0.55



BLACK-LINE Half-ball milling cutter



Materials to be processed

- UV CIPP
- PVC
- Roots
- Felt CIPP

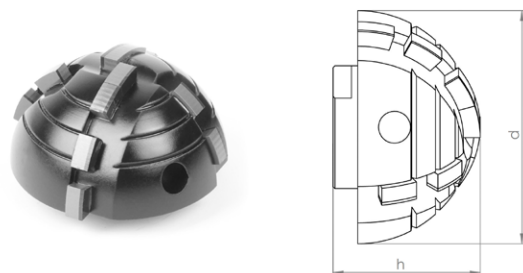
Note: Use on steel-reinforced concrete will destroy the cutting elements!

Field of Application

- Opening of laterals and inlet lines
- Removal of intruding obstacles

Article-No.	d inch	h inch	Segments	Weight pounds
BL 11465 M10SG	1.6	1.0	16	0.33

BLACK-LINE Half-ball milling cutter



Materials to be processed

- UV CIPP
- PVC
- Roots
- Felt CIPP

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

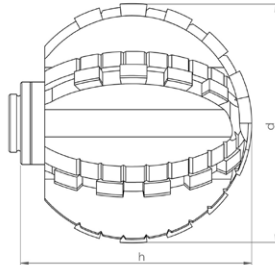
Field of Application

- Opening of laterals and inlet lines
- Removal of intruding obstacles

Article-No.	d inch	h inch	Segments	Weight pounds
BL 11428 M10SG	1.6	1.0	12	0.15



BLACK-LINE Ball milling cutter Type ProView®



Materials to be processed

- UV CIPP
- PVC
- Roots
- Felt CIPP

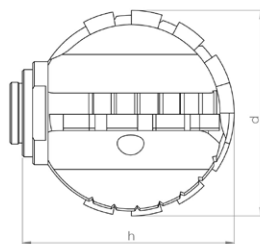
Note: Only suitable for processing CIPP liners and PVC and for cutting roots!

Field of Application

- Opening of laterals and inlet lines
- Removal of intruding obstacles

Article-No.	d inch	h inch	Segments	Weight pounds
BL 11108 M10SG	2.0	1.8	30	0.33

BLACK-LINE Ball milling cutter Type ProView®



Materials to be processed

- UV CIPP
- PVC
- Roots
- Felt CIPP

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

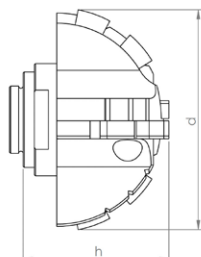
Field of Application

- Opening of laterals and inlet lines
- Removal of intruding obstacles

Article-No.	d inch	h inch	Segments	Weight pounds
BL 11103 M10SG	1.6	1.5	18	0.33



BLACK-LINE Half-ball milling cutter Type ProView®



Materials to be processed

- UV CIPP
- Roots
- PVC
- Felt CIPP

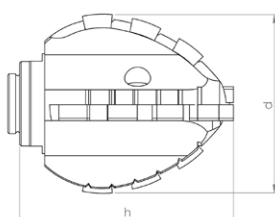
Note: Only suitable for processing CIPP liners and PVC and for cutting roots!

Field of Application

- Opening of laterals and inlet lines

Article-No.	d inch	h inch	Segments	Weight pounds
BL 11106 M10SG	1.6	0.9	12	0.15

BLACK-LINE Double-cone milling cutter Type ProView®



Materials to be processed

- UV CIPP
- Roots
- PVC
- Felt CIPP

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

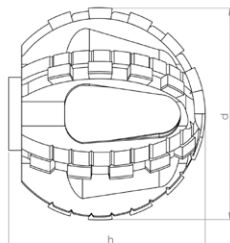
Field of Application

- Opening of laterals and inlet lines

Article-No.	d inch	h inch	Segments	Weight pounds
BL 11107 M10SG	1.4	1.6	16	0.22



BLACK-LINE Ball milling cutter Type ProView®



Materials to be processed

- UV CIPP
- PVC
- Roots
- Felt CIPP

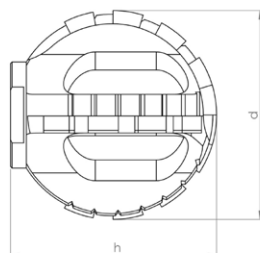
Note: Only suitable for processing CIPP liners and PVC and for cutting roots!

Field of Application

- Opening of laterals and inlet lines
- Removal of intruding obstacles

Article-No.	d inch	h inch	Segments	Weight pounds
BL 11114 M10SG	2.0	1.8	30	0.33

BLACK-LINE Ball milling cutter Type ProView®



Materials to be processed

- UV CIPP
- PVC
- Roots
- Felt CIPP

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

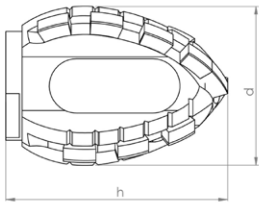
Field of Application

- Opening of laterals and inlet lines
- Removal of intruding obstacles

Article-No.	d inch	h inch	Segments	Weight pounds
BL 11110 M10SG	1.6	1.5	18	0.33



BLACK•LINE Double-cone milling cutter Type ProView®



Materials to be processed

- UV CIPP
- PVC
- Roots
- Felt CIPP

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

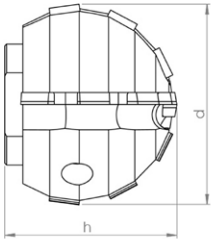

Field of Application

- Opening of laterals and inlet lines

Article-No.	d inch	h inch	Segments	Weight pounds
BL 11112 M10SG	1.4	1.6	16	0.22



linerCUT Pro® Ball milling cutter



Materials to be processed

- UV CIPP
- Felt CIPP
- PVC

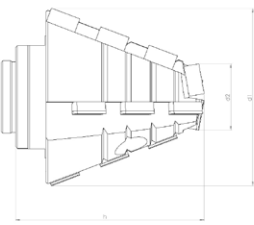

Note: Only suitable for processing CIPP liners and PVC!

Field of Application

- Opening of laterals and inlet lines

Article-No.	d inch	h inch	Segments	Weight pounds
BL 11443 M10SG	1.6	1.4	12	0.44

linerCUT Pro® Tapered milling cutter with PCD tip



Materials to be processed

- UV CIPP
- Felt CIPP
- PVC

Note: Only suitable for processing CIPP liners and PVC!

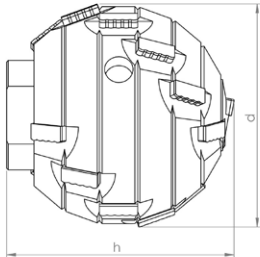
Field of Application

- Opening of laterals and inlet lines

Article-No.	d1 inch	d2 inch	h inch	Segments	Weight pounds
BL 11469 M10SG	1.2	0.4	1.2	14	0.13



linerCUT Pro® 2.0 Ball milling cutter



Materials to be processed

- UV CIPP
- Felt CIPP
- PVC

Note: Only suitable for processing CIPP liners and PVC!

Field of Application

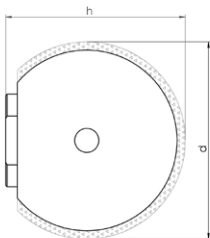
- Opening of laterals and inlet lines

Article-No.	d inch	h inch	Segments	Weight pounds
BL 11448 M10SG	1.6	1.6	18	0.55



D•GRIT

Ball milling cutter



Materials to be processed

- UV CIPP
- Felt CIPP
- PVC

Note: Only suitable for processing CIPP liners and PVC!

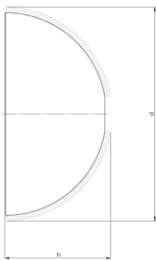
Field of Application

- Opening of laterals and inlet lines
- CIPP liner finishing

Article-No.	d inch	h inch	Grit	Weight pounds
70001 M10SG	1.6	1.5	Diamond	0.55

D•GRIT

Half-ball milling cutter



Materials to be processed

- UV CIPP
- Felt CIPP
- PVC

Note: Only suitable for processing CIPP liners and PVC!

Field of Application

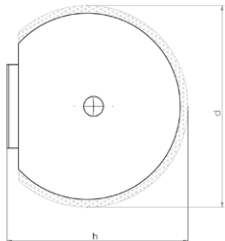
- Opening of laterals and inlet lines
- CIPP liner finishing

Article-No.	d inch	h inch	Grit	Weight pounds
700081	2.0	1.0	Diamond	0.22

Note: Tool can only be used with matching adapter 91012 M10SG



HM•LINE Ball milling cutter



Materials to be processed

- UV CIPP
- PVC
- Roots
- Felt CIPP

Field of Application

- Opening of laterals and inlet lines
- Removal of intruding obstacles
- CIPP liner finishing

Article-No.	d inch	h inch	Grit	Weight pounds
50002 M10SG	1.6	1.7	Carbide	0.66

HM•LINE Half-ball milling cutter



Materials to be processed

- UV CIPP
- PVC
- Roots
- Felt CIPP

Field of Application

- Opening of laterals and inlet lines
- Removal of intruding obstacles
- CIPP liner finishing

Article-No.	d inch	h inch	Grit	Weight pounds
50004 M10SG	1.6	1.2	Carbide	0.33



HM•LINE Half-ball milling cutter



Materials to be processed

- UV CIPP
- PVC
- Roots
- Felt CIPP

Field of Application

- Opening of laterals and inlet lines
- Removal of intruding obstacles
- CIPP liner finishing

Article-No.	d inch	h inch	Grit	Weight pounds
510011	2.0	1.0	Carbide	0.22

Note:Tool can only be used with matching adapter 91012 M10SG

HM•LINE Ball milling cutter Type ProView®



Materials to be processed

- UV CIPP
- PVC
- Roots
- Felt CIPP

Field of Application

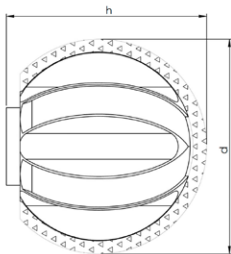
- Opening of laterals and inlet lines
- Removal of intruding obstacles
- CIPP liner finishing

Article-No.	d inch	h inch	Weight pounds
50203 M10SG	1.8	1.7	0.44

* These are third party brands that are in no way associated with SDT Technolgy GmbH



HM•LINE Ball milling cutter Type ProView®



Materials to be processed

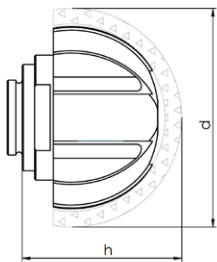
- UV CIPP
- PVC
- Roots
- Felt CIPP

Field of Application

- Opening of laterals and inlet lines
- Removal of intruding obstacles
- CIPP liner finishing

Article-No.	d inch	h inch	Grit	Weight pounds
50201 M10SG	1.3	1.2	Carbide	0.24

HM•LINE Half-ball milling cutter Type ProView®



Materials to be processed

- UV CIPP
- PVC
- Roots
- Felt CIPP

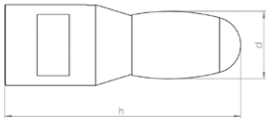
Field of Application

- Opening of laterals and inlet lines
- Removal of intruding obstacles
- CIPP liner finishing

Article-No.	d inch	h inch	Grit	Weight pounds
50202 M10SG	1.3	0.8	Carbide	0.15



VHM•LINE oval shaped



Materials to be processed

- Cast Iron
- Steel

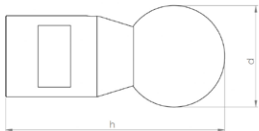
Note: Use on concrete or vitrified clay will destroy the cutting elements!

Field of Application

- Removal of intruding obstacles

Article-No.	d inch	h inch	Segments	Weight pounds
60001 M10SG	0.6	2.2	1	0.33

VHM•LINE ball shaped



Materials to be processed

- Cast Iron
- Steel

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

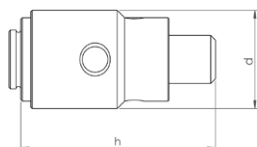
Field of Application

- Removal of intruding obstacles

Article-No.	d inch	h inch	Segments	Weight pounds
60002 M10SG	1.0	2.2	1	0.33



Extension 30 mm



Description

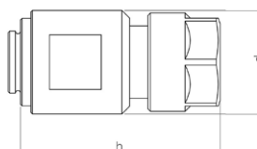
CNC fabricated tool extension for increased working radius of robot arm.

Specification

Stainless steel

Article-No.	d inch	h inch	Weight pounds
91010 M10SG	0.8	1.6	0.17

Adapter for mounting commercially available shank tools Ø 1/4"



Description

CNC fabricated collet chuck adapter for mounting commercially available shank tools.

e.g. burrs, brushes, flap grinders etc...

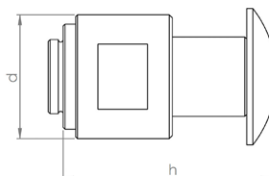
Mounting: Shank Ø 1/4"

Specification

Stainless steel

Article-No.	d inch	h inch	Weight pounds
91011 M10SG	0.8	1.6	0.15

Adapter for mounting of 2 wheel brushes



Description

CNC fabricated adapter for mounting of 2 wheel brushes.

Mounting shaft Ø 12,7 mm

includes locking screw and cupped washer

NOTE: This adapter cannot be used to mount a single brush!

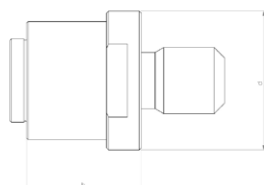
Specification

Stainless steel

Article-No.	d inch	h inch	Weight pounds
91009 M10SG	0.8	1.3	0.11



Adapter for mounting milling tools with 3/8"UNF thread



Description

CNC fabricated adapter that permits the use of tools with 3/8"UNF threads.

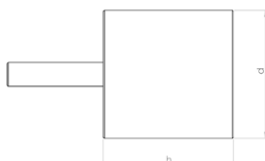
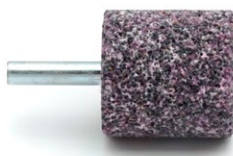
Examples robot manufacturers: Dancutter/ Streicher/ Hächler etc.....

Specification

Stainless steel

Article-No.	d inch	h inch	Weight pounds
91012 M10SG	0.8	0.6	0.08

Mounted point-cylindrical



Description

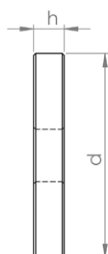
Corundum mounted point, for working on steel and cast iron.
NOTE: Only useable with adapter!

Specification

Corundum

Article-No.	d inch	h inch	Weight pounds
81002	1.3	1.3	0.17

Wheel brush Ø 45 mm



Description

Premium rotary wire brushes for finishing work on CIPP liners and PVC.

Mounting hole Ø 12,7 mm

NOTE: May be used only with matching adapter! Packing unit: 2 pieces

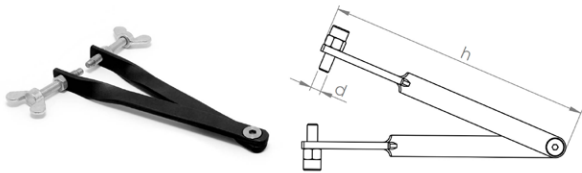
Specification

Wire thickness: Ø 0,3 mm

Article-No.	d inch	h inch	Weight pounds
80025	1.8	0.3	0.11



Pin-tipped tongs for safe tool changeover



Description

The tongs are fitted with pin (with adjustable gripping depth) witch are inserted into the gripping holes of the milling tools, permitting safe changeover without risking damage to the tooling.

Specification

Steel

Article-No.	d inch	h inch	Weight pounds
92002	0.2	5.9	0.27

Open-end wrench 17 mm



Description

The flat design of the wrench is particularly well suited for milling tools with low base height.

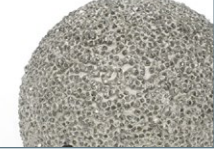
Specification

Steel

Article-No.	d inch	h inch	Weight pounds
92001 SW17	0.7	0.1	0.17

* These are third party brands that are in no way associated with SDT Technolgy GmbH



	<p>Premium Diamond Tools for High-Performance Material Removal and Long Service Life</p> <p>Materials to be processed</p> <ul style="list-style-type: none"> Reinforced Concrete Concrete Deposits / Fouling Cast Iron Vitrified Clay <p>Page 53</p>
	<p>Field-Proven Standard Diamond Tools with Outstanding Value for Purchase Investment</p> <p>Materials to be processed</p> <ul style="list-style-type: none"> Reinforced Concrete Concrete Deposits / Fouling Cast Iron Vitrified Clay <p>Page 54</p>
	<p>High-Tech Milling Tools made of PCD with Unbeatable Cutting and Stock Removal Performance for Almost Every Material</p> <p>Materials to be processed</p> <ul style="list-style-type: none"> UV CIPP Roots PVC Felt CIPP <p>Page 56</p>
	<p>Absolutely Smooth-Running and Precise PCD Cutting Tools for Opening CIPP - Optimized for UV CIPP -</p> <p>Materials to be processed</p> <ul style="list-style-type: none"> UV CIPP PVC Felt CIPP <p>Page 62</p>
	<p>Absolutely Smooth-Running and Precise PCD Cutting Tools for Opening CIPP - All Kinds of CIPP and PVC -</p> <p>Materials to be processed</p> <ul style="list-style-type: none"> UV CIPP PVC Felt CIPP <p>Page 64</p>
	<p>Milling Tools with Diamond Granules for Opening CIPP - Optimal for UV CIPP and Lined Cast Iron Pipes -</p> <p>Materials to be processed</p> <ul style="list-style-type: none"> UV CIPP PVC Felt CIPP <p>Page 65</p>
	<p>Cost-Efficient Milling Tools with Carbide Granulate Tipping for Opening and Reworking CIPP</p> <p>Materials to be processed</p> <ul style="list-style-type: none"> UV CIPP Roots PVC Felt CIPP <p>Page 67</p>



VHM•LINE



Special Milling Tools for Processing Steel and Cast Iron

Materials to be processed

- Cast Iron
- Steel

Page 71



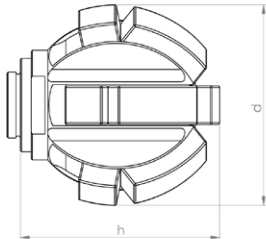
Functional Accessories

High-quality brushes, adapters, extensions, etc.

Page 72



Ball milling cutter Type ProView®



Materials to be processed

- Reinforced Concrete
- Concrete
- Deposits / Fouling
- Cast Iron
- Vitrified Clay

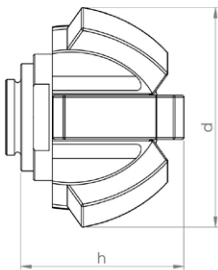
Field of Application

- Preparatory milling of laterals
- Removal of intruding laterals
- Removal of intruding obstacles

Article-No.	d inch	h inch	Segments	Weight pounds
20101 P M10SG	1.5	1.3	13	0.3



Half-ball milling cutter Type ProView®



Materials to be processed

- Reinforced Concrete
- Concrete
- Deposits / Fouling
- Cast Iron
- Vitrified Clay

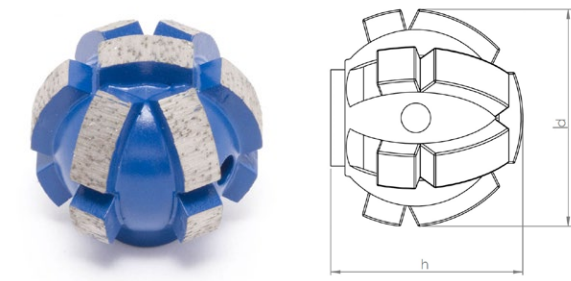
Field of Application

- Preparatory milling of laterals
- Removal of intruding laterals
- Removal of intruding obstacles

Article-No.	d inch	h inch	Segments	Weight pounds
20103 P M10SG	1.5	0.9	7	0.19



N•TEC II® Ball milling cutter



Materials to be processed

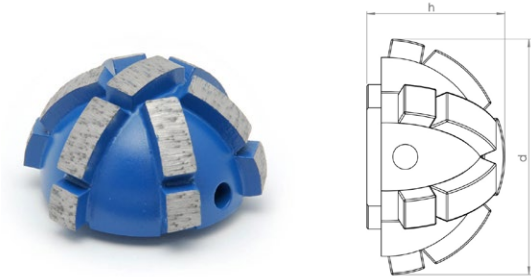
- Reinforced Concrete
- Concrete
- Deposits / Fouling
- Cast Iron
- Vitrified Clay

Field of Application

- Preparatory milling of laterals
- Removal of intruding laterals
- Removal of intruding obstacles

Article-No.	d inch	h inch	Segments	Weight pounds
20021 M10SG	1.6	1.5	13	0.44

N•TEC II® Half-ball milling cutter



Materials to be processed

- Reinforced Concrete
- Concrete
- Deposits / Fouling
- Cast Iron
- Vitrified Clay

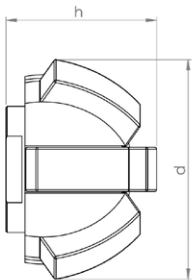
Field of Application

- Preparatory milling of laterals
- Removal of intruding laterals
- Frontal milling
- Removal of intruding obstacles

Article-No.	d inch	h inch	Segments	Weight pounds
20034 M10SG	2.0	1.1	13	0.33



N•TEC II® Half-ball milling cutter



Materials to be processed

- Reinforced Concrete
- Concrete
- Deposits / Fouling
- Cast Iron
- Vitrified Clay

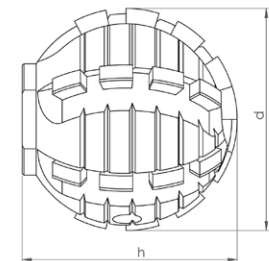
Field of Application

- Preparatory milling of laterals
- Removal of intruding laterals
- Frontal milling
- Removal of intruding obstacles

Article-No.	d inch	h inch	Segments	Weight pounds
20035 M10SG	1.4	1.0	7	0.22



BLACK-LINE Ball milling cutter



Materials to be processed

- UV CIPP
- PVC
- Roots
- Felt CIPP

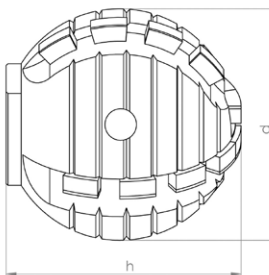
Note: Only suitable for processing CIPP liners and PVC and for cutting roots!

Field of Application

- Opening of laterals and inlet lines
- Removal of intruding obstacles

Article-No.	d inch	h inch	Segments	Weight pounds
BL 11446 M10SG	1.6	1.7	26	0.55

BLACK-LINE Ball milling cutter



Materials to be processed

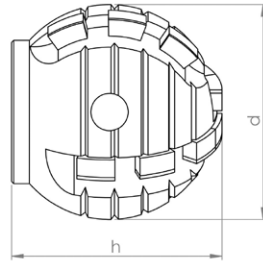
- UV CIPP
- PVC
- Roots
- Felt CIPP

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

Field of Application

- Opening of laterals and inlet lines
- Removal of intruding obstacles

Article-No.	d inch	h inch	Segments	Weight pounds
BL 11414 M10SG	1.6	1.7	18	0.55


BLACK-LINE Ball milling cutter

Materials to be processed

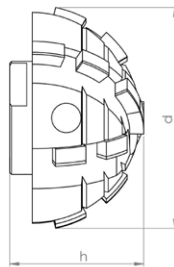
- UV CIPP
- PVC
- Roots
- Felt CIPP

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

Field of Application

- Opening of laterals and inlet lines
- Removal of intruding obstacles

Article-No.	d inch	h inch	Segments	Weight pounds
BL 11408 M10SG	1.2	1.3	14	0.22

BLACK-LINE Half-ball milling cutter

Materials to be processed

- UV CIPP
- PVC
- Roots
- Felt CIPP

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

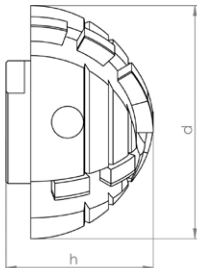
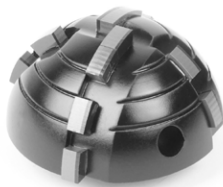
Field of Application

- Opening of laterals and inlet lines
- Removal of intruding obstacles

Article-No.	d inch	h inch	Segments	Weight pounds
BL 11465 M10SG	1.6	1.0	16	0.33



BLACK-LINE Half-ball milling cutter



Materials to be processed

- UV CIPP
- PVC
- Roots
- Felt CIPP

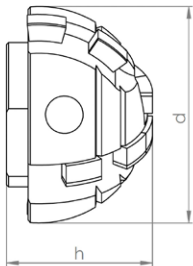
Note: Use on steel-reinforced concrete will destroy the cutting elements!

Field of Application

- Opening of laterals and inlet lines
- Removal of intruding obstacles

Article-No.	d inch	h inch	Segments	Weight pounds
BL 11428 M10SG	1.6	1.0	12	0.15

BLACK-LINE Half-ball milling cutter



Materials to be processed

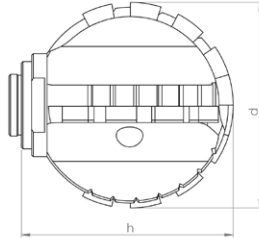
- UV CIPP
- PVC
- Roots
- Felt CIPP

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

Field of Application

- Opening of laterals and inlet lines
- Removal of intruding obstacles

Article-No.	d inch	h inch	Segments	Weight pounds
BL 11429 M10SG	1.2	0.8	8	0.13


BLACK-LINE Ball milling cutter Type ProView®

Materials to be processed

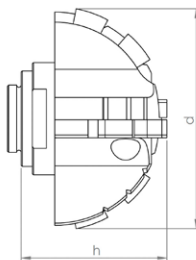
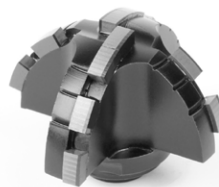
- UV CIPP
- PVC
- Roots
- Felt CIPP

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

Field of Application

- Opening of laterals and inlet lines
- Removal of intruding obstacles

Article-No.	d inch	h inch	Segments	Weight pounds
BL 11103 M10SG	1.6	1.5	18	0.33

BLACK-LINE Half-ball milling cutter Type ProView®

Materials to be processed

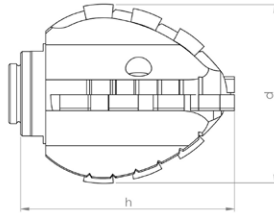
- UV CIPP
- PVC
- Roots
- Felt CIPP

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

Field of Application

- Opening of laterals and inlet lines

Article-No.	d inch	h inch	Segments	Weight pounds
BL 11106 M10SG	1.6	0.9	12	0.15

BLACK-LINE Double-cone milling cutter Type ProView®

Materials to be processed

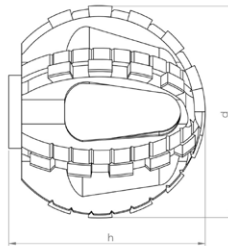
- UV CIPP
- Roots
- PVC
- Felt CIPP

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

Field of Application

- Opening of laterals and inlet lines

Article-No.	d inch	h inch	Segments	Weight pounds
BL 11107 M10SG	1.4	1.6	16	0.22

BLACK-LINE Ball milling cutter Type ProView®

Materials to be processed

- UV CIPP
- Roots
- PVC
- Felt CIPP

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

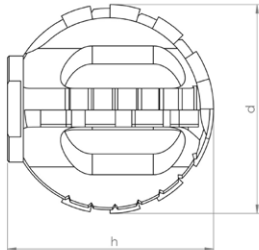
Field of Application

- Opening of laterals and inlet lines
- Removal of intruding obstacles

Article-No.	d inch	h inch	Segments	Weight pounds
BL 11114 M10SG	2.0	1.8	30	0.33



BLACK-LINE Ball milling cutter Type ProView®



Materials to be processed

- UV CIPP
- PVC
- Roots
- Felt CIPP

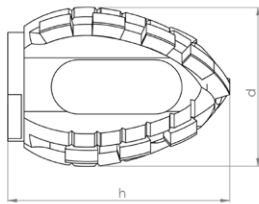
Note: Only suitable for processing CIPP liners and PVC and for cutting roots!

Field of Application

- Opening of laterals and inlet lines
- Removal of intruding obstacles

Article-No.	d inch	h inch	Segments	Weight pounds
BL 11110 M10SG	1.6	1.5	18	0.33

BLACK-LINE Double-cone milling cutter Type ProView®



Materials to be processed

- UV CIPP
- PVC
- Roots
- Felt CIPP

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

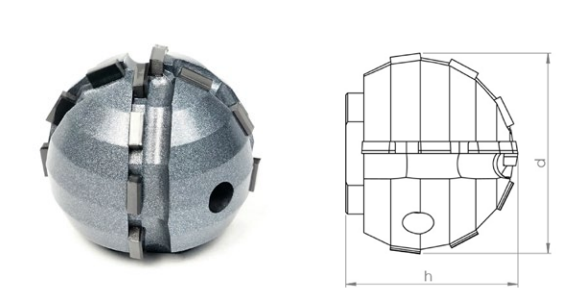
Field of Application

- Opening of laterals and inlet lines

Article-No.	d inch	h inch	Segments	Weight pounds
BL 11112 M10SG	1.4	1.6	16	0.22



linerCUT Pro® Ball milling cutter



Materials to be processed

- UV CIPP
- Felt CIPP
- PVC

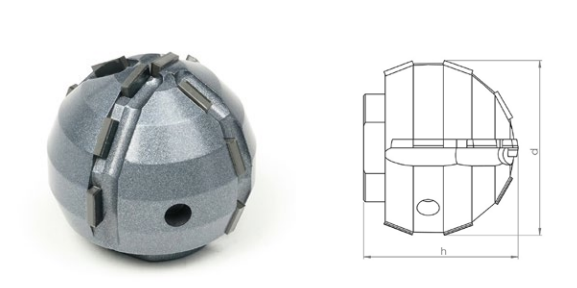
Note: Only suitable for processing CIPP liners and PVC!

Field of Application

- Opening of laterals and inlet lines

Article-No.	d inch	h inch	Segments	Weight pounds
BL 11443 M10SG	1.6	1.4	12	0.44

linerCUT Pro® Ball milling cutter



Materials to be processed

- UV CIPP
- Felt CIPP
- PVC

Note: Only suitable for processing CIPP liners and PVC!

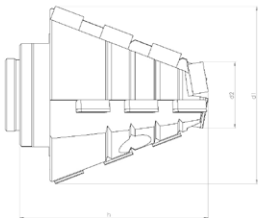
Field of Application

- Opening of laterals and inlet lines

Article-No.	d inch	h inch	Segments	Weight pounds
BL 11442 M10SG	1.2	1.1	14	0.22



linerCUT Pro® Tapered milling cutter with PCD tip



Materials to be processed

- UV CIPP
- Felt CIPP
- PVC

Note: Only suitable for processing CIPP liners and PVC!

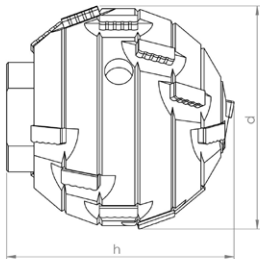
Field of Application

- Opening of laterals and inlet lines

Article-No.	d1 inch	d2 inch	h inch	Segments	Weight pounds
BL 11469 M10SG	1.2	0.4	1.2	14	0.13



linerCUT Pro® 2.0 Ball milling cutter



Materials to be processed

- UV CIPP
- Felt CIPP
- PVC

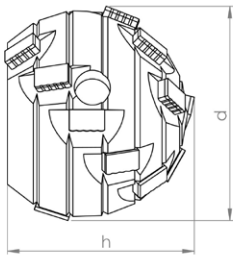
Note: Only suitable for processing CIPP liners and PVC!

Field of Application

- Opening of laterals and inlet lines

Article-No.	d inch	h inch	Segments	Weight pounds
BL 11448 M10SG	1.6	1.6	18	0.55

linerCUT Pro® 2.0 Ball milling cutter



Materials to be processed

- UV CIPP
- Felt CIPP
- PVC

Note: Only suitable for processing CIPP liners and PVC!

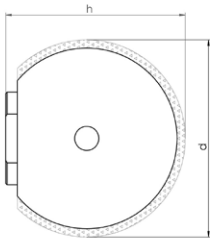
Field of Application

- Opening of laterals and inlet lines

Article-No.	d inch	h inch	Segments	Weight pounds
BL 11447 M10SG	1.2	1.0	16	0.22



D•GRIT Ball milling cutter



Materials to be processed

- UV CIPP
- Felt CIPP
- PVC

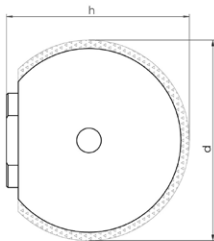
Note: Only suitable for processing CIPP liners and PVC!

Field of Application

- Opening of laterals and inlet lines
- CIPP liner finishing

Article-No.	d inch	h inch	Grit	Weight pounds
70001 M10SG	1.6	1.5	Diamond	0.55

D•GRIT Ball milling cutter



Materials to be processed

- UV CIPP
- Felt CIPP
- PVC

Note: Only suitable for processing CIPP liners and PVC!

Field of Application

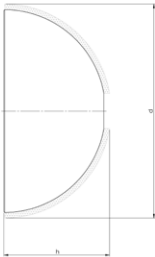
- Opening of laterals and inlet lines
- CIPP liner finishing

Article-No.	d inch	h inch	Grit	Weight pounds
70003 M10SG	1.2	1.2	Diamond	0.33



D•GRIT

Half-ball milling cutter



Materials to be processed

- UV CIPP
- Felt CIPP
- PVC

Note: Only suitable for processing CIPP liners and PVC!

Field of Application

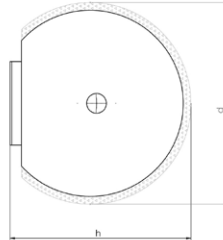
- Opening of laterals and inlet lines
- CIPP liner finishing

Article-No.	d inch	h inch	Grit	Weight pounds
700081	2.0	1.0	Diamond	0.22

Note: Tool can only be used with matching adapter 91012 M10SG



HM•LINE Ball milling cutter



Materials to be processed

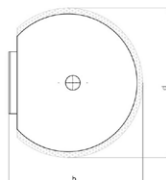
- UV CIPP
- Roots
- PVC
- Felt CIPP

Field of Application

- Opening of laterals and inlet lines
- Removal of intruding obstacles
- CIPP liner finishing

Article-No.	d inch	h inch	Grit	Weight pounds
50002 M10SG	1.6	1.7	Carbide	0.66

HM•LINE Ball milling cutter



Materials to be processed

- UV CIPP
- Roots
- PVC
- Felt CIPP

Field of Application

- Opening of laterals and inlet lines
- Removal of intruding obstacles
- CIPP liner finishing

Article-No.	d inch	h inch	Grit	Weight pounds
50005 M10SG	1.2	1.3	Carbide	0.33



HM•LINE Half-ball milling cutter



Materials to be processed

- UV CIPP
- PVC
- Roots
- Felt CIPP

Field of Application

- Opening of laterals and inlet lines
- Removal of intruding obstacles
- CIPP liner finishing

Article-No.	d inch	h inch	Grit	Weight pounds
50004 M10SG	1.6	1.2	Carbide	0.33

HM•LINE Half-ball milling cutter



Materials to be processed

- UV CIPP
- PVC
- Roots
- Felt CIPP

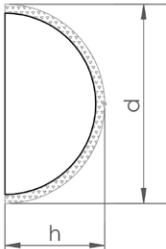
Field of Application

- Opening of laterals and inlet lines
- Removal of intruding obstacles
- CIPP liner finishing

Article-No.	d inch	h inch	Weight pounds
50009 M10SG	1.2	0.8	0.19



HM•LINE Half-ball milling cutter



Materials to be processed

- UV CIPP
- PVC
- Roots
- Felt CIPP

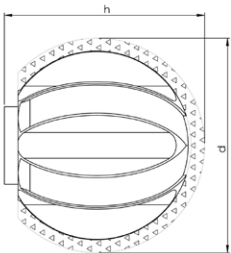
Field of Application

- Opening of laterals and inlet lines
- Removal of intruding obstacles
- CIPP liner finishing

Article-No.	d inch	h inch	Grit	Weight pounds
510011	2.0	1.0	Carbide	0.22

Note:Tool can only be used with matching adapter 91012 M10SG

HM•LINE Ball milling cutter Type ProView®



Materials to be processed

- UV CIPP
- PVC
- Roots
- Felt CIPP

Field of Application

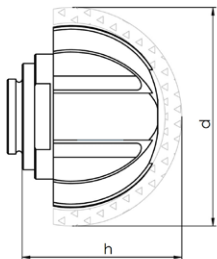
- Opening of laterals and inlet lines
- Removal of intruding obstacles
- CIPP liner finishing

Article-No.	d inch	h inch	Grit	Weight pounds
50201 M10SG	1.3	1.2	Carbide	0.24

* These are third party brands that are in no way associated with SDT Technolgy GmbH



HM•LINE Half-ball milling cutter Type ProView®



Materials to be processed

- UV CIPP
- PVC
- Roots
- Felt CIPP

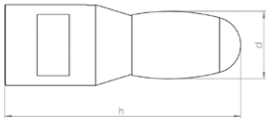
Field of Application

- Opening of laterals and inlet lines
- Removal of intruding obstacles
- CIPP liner finishing

Article-No.	d inch	h inch	Grit	Weight pounds
50202 M10SG	1.3	0.8	Carbide	0.15



VHM•LINE oval shaped



Materials to be processed

- Cast Iron
- Steel

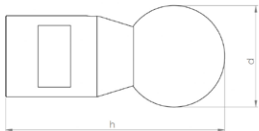
Note: Use on concrete or vitrified clay will destroy the cutting elements!

Field of Application

- Removal of intruding obstacles

Article-No.	d inch	h inch	Segments	Weight pounds
60001 M10SG	0.6	2.2	1	0.33

VHM•LINE ball shaped



Materials to be processed

- Cast Iron
- Steel

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

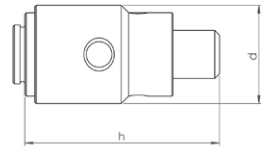
Field of Application

- Removal of intruding obstacles

Article-No.	d inch	h inch	Segments	Weight pounds
60002 M10SG	1.0	2.2	1	0.33



Extension 30 mm



Description

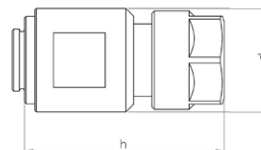
CNC fabricated tool extension for increased working radius of robot arm.

Specification

Stainless steel

Article-No.	d inch	h inch	Weight pounds
91010 M10SG	0.8	1.6	0.17

Adapter for mounting commercially available shank tools Ø 1/4"



Description

CNC fabricated collet chuck adapter for mounting commercially available shank tools.

e.g. burrs, brushes, flap grinders etc...

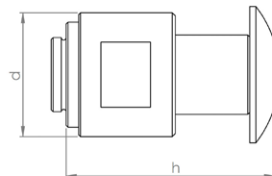
Mounting: Shank Ø 1/4"

Specification

Stainless steel

Article-No.	d inch	h inch	Weight pounds
91011 M10SG	0.8	1.6	0.15

Adapter for mounting of 2 wheel brushes



Description

CNC fabricated adapter for mounting of 2 wheel brushes.

Mounting shaft Ø 12,7 mm

includes locking screw and cupped washer

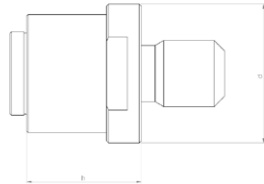
NOTE: This adapter cannot be used to mount a single brush!

Specification

Stainless steel

Article-No.	d inch	h inch	Weight pounds
91009 M10SG	0.8	1.3	0.11

Adapter for mounting milling tools with 3/8"UNF thread



Description

CNC fabricated adapter that permits the use of tools with 3/8"UNF threads.

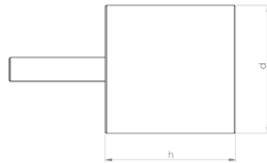
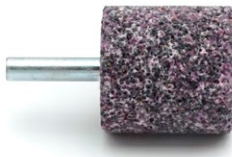
Examples robot manufacturers: Dancutter/ Streicher/ Hächler etc.....

Specification

Stainless steel

Article-No.	d inch	h inch	Weight pounds
91012 M10SG	0.8	0.6	0.08

Mounted point-cylindrical



Description

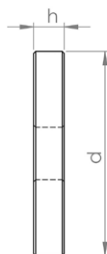
Corundum mounted point, for working on steel and cast iron.
NOTE: Only useable with adapter!

Specification

Corundum

Article-No.	d inch	h inch	Weight pounds
81002	1.3	1.3	0.17

Wheel brush Ø 45 mm



Description

Premium rotary wire brushes for finishing work on CIPP liners and PVC.

Mounting hole Ø 12,7 mm

NOTE: May be used only with matching adapter! Packing unit: 2 pieces

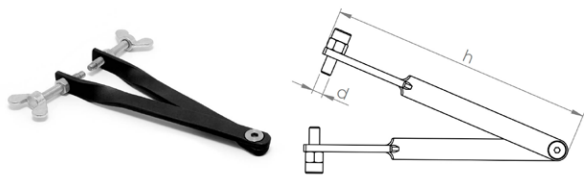
Specification

Wire thickness: Ø 0,3 mm

Article-No.	d inch	h inch	Weight pounds
80025	1.8	0.3	0.11



Pin-tipped tongs for safe tool changeover



Description

The tongs are fitted with pin (with adjustable gripping depth) witch are inserted into the gripping holes of the milling tools, permitting safe changeover without risking damage to the tooling.

Specification

Steel

Article-No.	d inch	h inch	Weight pounds
92002	0.2	5.9	0.27

Open-end wrench 17 mm



Description

The flat design of the wrench is particularly well suited for milling tools with low base height.

Specification

Steel

Article-No.	d inch	h inch	Weight pounds
92001 SW17	0.7	0.1	0.17



	<p>Premium Diamond Tools for High-Performance Material Removal and Long Service Life</p> <p>Materials to be processed</p> <ul style="list-style-type: none"> Reinforced Concrete Concrete Deposits / Fouling Cast Iron Vitrified Clay <p>Page 77</p>
	<p>Field-Proven Standard Diamond Tools with Outstanding Value for Purchase Investment</p> <p>Materials to be processed</p> <ul style="list-style-type: none"> Reinforced Concrete Concrete Deposits / Fouling Cast Iron Vitrified Clay <p>Page 78</p>
	<p>High-Tech Milling Tools made of PCD with Unbeatable Cutting and Stock Removal Performance for Almost Every Material</p> <p>Materials to be processed</p> <ul style="list-style-type: none"> UV CIPP Roots PVC Felt CIPP <p>Page 79</p>
	<p>Absolutely Smooth-Running and Precise PCD Cutting Tools for Opening CIPP - Optimized for UV CIPP -</p> <p>Materials to be processed</p> <ul style="list-style-type: none"> UV CIPP PVC Felt CIPP <p>Page 82</p>
	<p>Absolutely Smooth-Running and Precise PCD Cutting Tools for Opening CIPP - All Kinds of CIPP and PVC -</p> <p>Materials to be processed</p> <ul style="list-style-type: none"> UV CIPP PVC Felt CIPP <p>Page 83</p>
	<p>Milling Tools with Diamond Granules for Opening CIPP - Optimal for UV CIPP and Lined Cast Iron Pipes -</p> <p>Materials to be processed</p> <ul style="list-style-type: none"> UV CIPP PVC Felt CIPP <p>Page 84</p>
	<p>Cost-Efficient Milling Tools with Carbide Granulate Tipping for Opening and Reworking CIPP</p> <p>Materials to be processed</p> <ul style="list-style-type: none"> UV CIPP Roots PVC Felt CIPP <p>Page 85</p>



VHM•LINE



Special Milling Tools for Processing Steel and Cast Iron

Materials to be processed

- Cast Iron
- Steel

Page 87



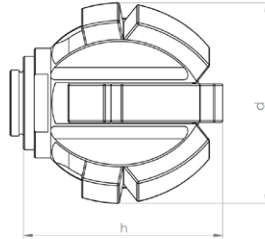
Functional Accessories

High-quality brushes, adapters, extensions, etc.

Page 88



Ball milling cutter Type ProView®



Materials to be processed

- Reinforced Concrete
- Concrete
- Deposits / Fouling
- Cast Iron
- Vitrified Clay

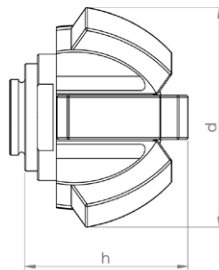
Field of Application

- Preparatory milling of laterals
- Removal of intruding laterals
- Removal of intruding obstacles

Article-No.	d inch	h inch	Segments	Weight pounds
20101 P M7SG	1.5	1.3	13	0.3



Half-ball milling cutter Type ProView®



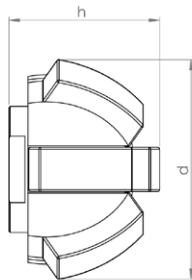
Materials to be processed

- Reinforced Concrete
- Concrete
- Deposits / Fouling
- Cast Iron
- Vitrified Clay

Field of Application

- Preparatory milling of laterals
- Removal of intruding laterals
- Removal of intruding obstacles

Article-No.	d inch	h inch	Segments	Weight pounds
20103 P M7SG	1.5	0.9	7	0.19

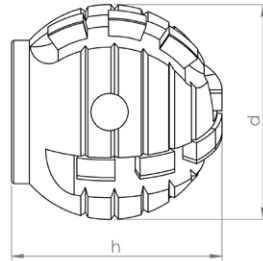
N•TEC II® Half-ball milling cutter

Materials to be processed

- Reinforced Concrete
- Concrete
- Deposits / Fouling
- Cast Iron
- Vitrified Clay

Field of Application

- Preparatory milling of laterals
- Removal of intruding laterals
- Frontal milling
- Removal of intruding obstacles

Article-No.	d inch	h inch	Segments	Weight pounds
20035 M7SG	1.4	1.0	7	0.22


BLACK-LINE Ball milling cutter

Materials to be processed

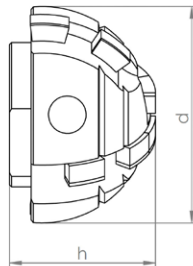
- UV CIPP
- PVC
- Roots
- Felt CIPP

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

Field of Application

- Opening of laterals and inlet lines
- Removal of intruding obstacles

Article-No.	d inch	h inch	Segments	Weight pounds
BL 11408 M7SG	1.2	1.3	14	0.22

BLACK-LINE Half-ball milling cutter

Materials to be processed

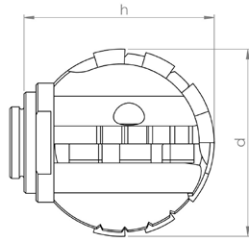
- UV CIPP
- PVC
- Roots
- Felt CIPP

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

Field of Application

- Opening of laterals and inlet lines
- Removal of intruding obstacles

Article-No.	d inch	h inch	Segments	Weight pounds
BL 11429 M7SG	1.2	0.8	8	0.13


BLACK-LINE Ball milling cutter Type ProView®

Materials to be processed

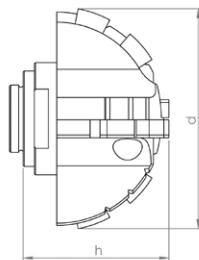
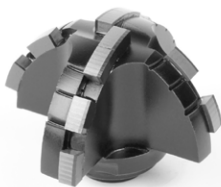
- UV CIPP
- Roots
- PVC
- Felt CIPP

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

Field of Application

- Opening of laterals and inlet lines
- Removal of intruding obstacles

Article-No.	d inch	h inch	Segments	Weight pounds
BL 11101 M7SG	1.3	1.2	14	0.13

BLACK-LINE Half-ball milling cutter Type ProView®

Materials to be processed

- UV CIPP
- Roots
- PVC
- Felt CIPP

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

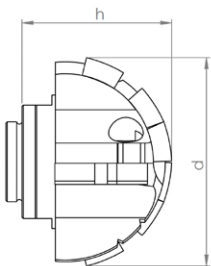
Field of Application

- Opening of laterals and inlet lines

Article-No.	d inch	h inch	Segments	Weight pounds
BL 11106 M7SG	1.6	0.9	12	0.15



BLACK-LINE Half-ball milling cutter Type ProView®



Materials to be processed

- UV CIPP
- PVC
- Roots
- Felt CIPP

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

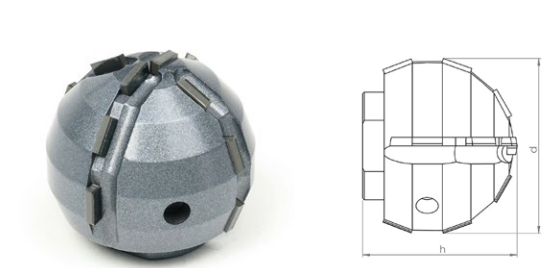
Field of Application

- Opening of laterals and inlet lines

Article-No.	d inch	h inch	Segments	Weight pounds
BL 11105 M7SG	1.2	0.8	10	0.11



linerCUT Pro® Ball milling cutter



Materials to be processed

- UV CIPP
- Felt CIPP
- PVC

Note: Only suitable for processing CIPP liners and PVC!

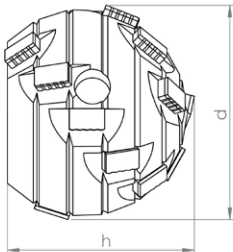
Field of Application

- Opening of laterals and inlet lines

Article-No.	d inch	h inch	Segments	Weight pounds
BL 11442 M7SG	1.2	1.1	14	0.22



linerCUT Pro® 2.0 **Ball milling cutter**



Materials to be processed

- UV CIPP
- Felt CIPP
- PVC

Note: Only suitable for processing CIPP liners and PVC!

Field of Application

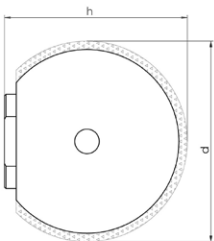
- Opening of laterals and inlet lines

Article-No.	d inch	h inch	Segments	Weight pounds
BL 11447 M7SG	1.2	1.0	16	0.22



D•GRIT

Ball milling cutter



Materials to be processed

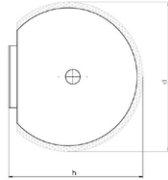
- UV CIPP
- Felt CIPP
- PVC

Note: Only suitable for processing CIPP liners and PVC!

Field of Application

- Opening of laterals and inlet lines
- CIPP liner finishing

Article-No.	d inch	h inch	Grit	Weight pounds
70003 M7SG	1.2	1.2	Diamond	0.33


HM•LINE Ball milling cutter

Materials to be processed

- UV CIPP
- Roots
- PVC
- Felt CIPP

Field of Application

- Opening of laterals and inlet lines
- Removal of intruding obstacles
- CIPP liner finishing

Article-No.	d inch	h inch	Grit	Weight pounds
50005 M7SG	1.2	1.3	Carbide	0.33

HM•LINE Half-ball milling cutter

Materials to be processed

- UV CIPP
- Roots
- PVC
- Felt CIPP

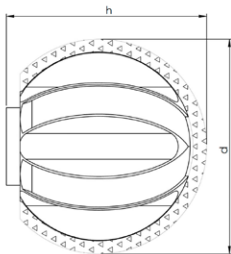
Field of Application

- Opening of laterals and inlet lines
- Removal of intruding obstacles
- CIPP liner finishing

Article-No.	d inch	h inch	Weight pounds
50009 M7SG	1.2	0.8	0.19



HM•LINE Ball milling cutter Type ProView®



Materials to be processed

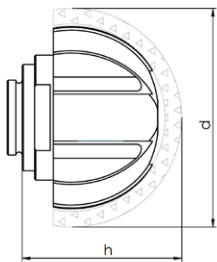
- UV CIPP
- PVC
- Roots
- Felt CIPP

Field of Application

- Opening of laterals and inlet lines
- Removal of intruding obstacles
- CIPP liner finishing

Article-No.	d inch	h inch	Grit	Weight pounds
50201 M7SG	1.3	1.2	Carbide	0.24

HM•LINE Half-ball milling cutter Type ProView®



Materials to be processed

- UV CIPP
- PVC
- Roots
- Felt CIPP

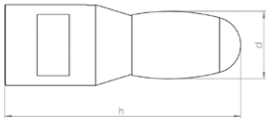
Field of Application

- Opening of laterals and inlet lines
- Removal of intruding obstacles
- CIPP liner finishing

Article-No.	d inch	h inch	Grit	Weight pounds
50202 M7SG	1.3	0.8	Carbide	0.15



VHM•LINE oval shaped



Materials to be processed

- Cast Iron
- Steel

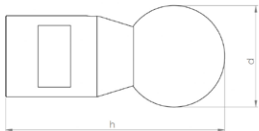
Note: Use on concrete or vitrified clay will destroy the cutting elements!

Field of Application

- Removal of intruding obstacles

Article-No.	d inch	h inch	Segments	Weight pounds
60001 M7SG	0.6	2.2	1	0.33

VHM•LINE ball shaped



Materials to be processed

- Cast Iron
- Steel

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

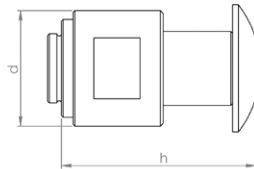
Field of Application

- Removal of intruding obstacles

Article-No.	d inch	h inch	Segments	Weight pounds
60002 M7SG	1.0	2.2	1	0.33



Adapter for mounting of 2 wheel brushes



Description

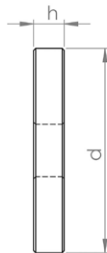
CNC fabricated adapter for mounting of 2 wheel brushes.
Mounting shaft \varnothing 12,7 mm
includes locking screw and cupped washer
NOTE: This adapter cannot be used to mount a single brush!

Specification

Stainless steel

Article-No.	d inch	h inch	Weight pounds
91007 M7SG	0.8	1.3	0.11

Wheel brush \varnothing 45 mm



Description

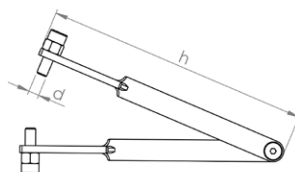
Premium rotary wire brushes for finishing work on CIPP liners and PVC.
Mounting hole \varnothing 12,7 mm
NOTE: May be used only with matching adapter! Packing unit: 2 pieces

Specification

Wire thickness: \varnothing 0,3 mm

Article-No.	d inch	h inch	Weight pounds
80025	1.8	0.3	0.11

Pin-tipped tongs for safe tool changeover



Description

The tongs are fitted with pin (with adjustable gripping depth) which are inserted into the gripping holes of the milling tools, permitting safe changeover without risking damage to the tooling.

Specification

Steel

Article-No.	d inch	h inch	Weight pounds
92002	0.2	5.9	0.27



Open-end wrench 17 mm



Description


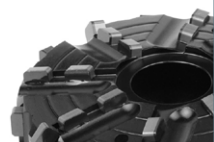
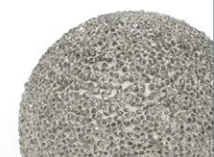


The flat design of the wrench is particularly well suited for milling tools with low base height.

Specification

Steel

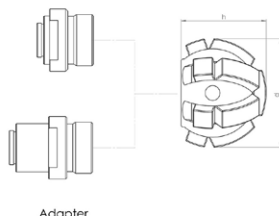
Article-No.	d inch	h inch	Weight pounds
92001 SW17	0.7	0.1	0.17



N•TEC II® 	<p>Field-Proven Standard Diamond Tools with Outstanding Value for Purchase Investment</p> <p>Materials to be processed</p> <ul style="list-style-type: none"> • Reinforced Concrete • Concrete • Cast Iron • Deposits / Fouling • Vitrified Clay <p>Page 91</p>
BLACK•LINE 	<p>High-Tech Milling Tools made of PCD with Unbeatable Cutting and Stock Removal Performance for Almost Every Material</p> <p>Materials to be processed</p> <ul style="list-style-type: none"> • UV CIPP • Roots • PVC • Felt CIPP <p>Page 92</p>
D•GRIT 	<p>Milling Tools with Diamond Granules for Opening CIPP - Optimal for UV CIPP and Lined Cast Iron Pipes -</p> <p>Materials to be processed</p> <ul style="list-style-type: none"> • UV CIPP • PVC • Felt CIPP <p>Page 94</p>
HM•LINE 	<p>Cost-Efficient Milling Tools with Carbide Granulate Tipping for Opening and Reworking CIPP</p> <p>Materials to be processed</p> <ul style="list-style-type: none"> • UV CIPP • Roots • PVC • Felt CIPP <p>Page 95</p>
	<p>Functional Accessories</p> <p>High-quality brushes, adapters, extensions, etc.</p> <p>Page 96</p>



N•TEC II® Ball milling cutter -Changeover System-



Adapter

Materials to be processed

- Reinforced Concrete
- Concrete
- Deposits / Fouling
- Cast Iron
- Vitrified Clay

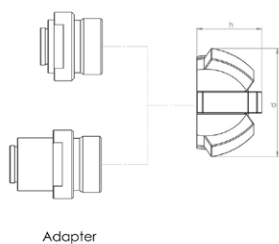
Field of Application

- Preparatory milling of laterals
- Removal of intruding laterals
- Removal of intruding obstacles

Article-No.	d inch	h inch	Segments	Weight pounds
20030	1.5	1.2	13	0.24

Note: Tool can only be used with matching adapter!

N•TEC II® Half-ball milling cutter -Changeover System-



Adapter

Materials to be processed

- Reinforced Concrete
- Concrete
- Deposits / Fouling
- Cast Iron
- Vitrified Clay

Field of Application

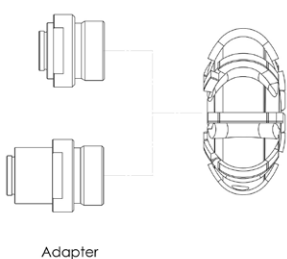

- Preparatory milling of laterals
- Removal of intruding laterals
- Removal of intruding obstacles

Article-No.	d inch	h inch	Segments	Weight pounds
20029	1.4	0.8	7	0.13

Note: Tool can only be used with matching adapter!



BLACK-LINE Inlet milling cutter -Changeover System-



Adapter

Materials to be processed

- UV CIPP
- PVC
- Roots
- Felt CIPP

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

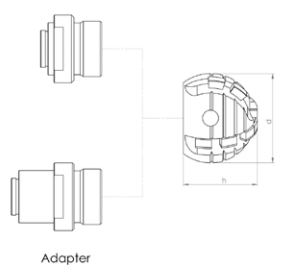

Field of Application

- Opening of laterals and inlet lines
- Removal of intruding obstacles

Article-No.	d inch	h inch	Segments	Weight pounds
BL 11436	2.0	1.0	28	0.44

Note: Tool can only be used with matching adapter!

BLACK-LINE Ball milling cutter -Changeover System-



Adapter

Materials to be processed

- UV CIPP
- PVC
- Roots
- Felt CIPP

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

Field of Application

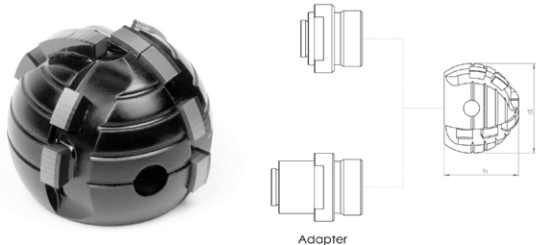
- Opening of laterals and inlet lines
- Removal of intruding obstacles

Article-No.	d inch	h inch	Segments	Weight pounds
BL 11435	1.4	1.2	14	0.19

Note: Tool can only be used with matching adapter!



BLACK-LINE Ball milling cutter -Changeover System-



Materials to be processed

- UV CIPP
- PVC
- Roots
- Felt CIPP

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

Field of Application

- Opening of laterals and inlet lines
- Removal of intruding obstacles

Article-No.	d inch	h inch	Segments	Weight pounds
BL 11434	1.3	1.0	12	0.13

Note: Tool can only be used with matching adapter!

BLACK-LINE Half-ball milling cutter -Changeover System-



Materials to be processed

- UV CIPP
- PVC
- Roots
- Felt CIPP

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

Field of Application

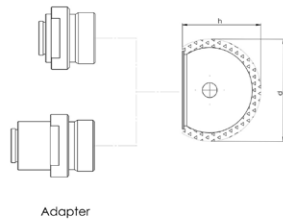
- Opening of laterals and inlet lines
- Removal of intruding obstacles

Article-No.	d inch	h inch	Segments	Weight pounds
BL 11433	1.6	0.8	12	0.19

Note: Tool can only be used with matching adapter!



D•GRIT Ball milling cutter -Changeover System-



Materials to be processed

- UV CIPP
- Felt CIPP
- PVC

Note: Only suitable for processing CIPP liners and PVC!

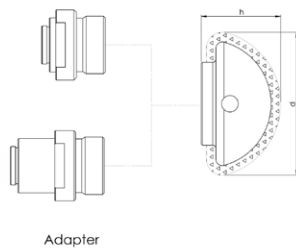
Field of Application

- Opening of laterals and inlet lines
- CIPP liner finishing

Article-No.	d inch	h inch	Grit	Weight pounds
70005	1.2	1.0	Diamond	0.15

Note: Tool can only be used with matching adapter!

D•GRIT Half-ball milling cutter -Changeover System-



Materials to be processed

- UV CIPP
- Felt CIPP
- PVC

Note: Only suitable for processing CIPP liners and PVC!

Field of Application

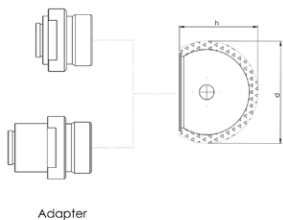
- Opening of laterals and inlet lines
- CIPP liner finishing

Article-No.	d inch	h inch	Grit	Weight pounds
70004	1.6	0.9	Diamond	0.22

Note: Tool can only be used with matching adapter!



HM•LINE Ball milling cutter -Changeover System-



Adapter

Materials to be processed

- UV CIPP
- PVC
- Roots
- Felt CIPP

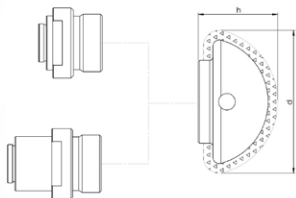
Field of Application

- Opening of laterals and inlet lines
- Removal of intruding obstacles
- CIPP liner finishing

Article-No.	d inch	h inch	Grit	Weight pounds
50011	1.2	1.0	Carbide	0.22

Note: Tool can only be used with matching adapter!

HM•LINE Half-ball milling cutter -Changeover System-



Adapter

Materials to be processed

- UV CIPP
- PVC
- Roots
- Felt CIPP

Field of Application

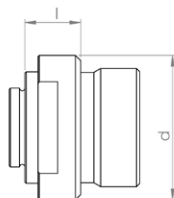
- Opening of laterals and inlet lines
- Removal of intruding obstacles
- CIPP liner finishing

Article-No.	d inch	h inch	Grit	Weight pounds
50010	1.6	0.8	Carbide	0.28

Note: Tool can only be used with matching adapter!



Adapter MICRO -Changeover System- short version



Description

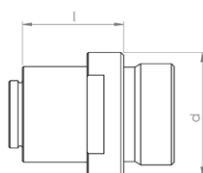
CNC fabricated adapter for use of milling tools with
-Changeover System-

Specification

Stainless steel

Article-No.	d inch	h inch	Weight pounds
91001 M10SG	0.9	0.3	0.06

Adapter MICRO -Changeover System- long version



Description

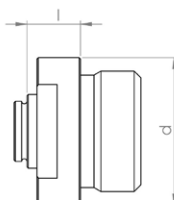
CNC fabricated adapter for use of milling tools with
-Changeover System-

Specification

Stainless steel

Article-No.	d inch	h inch	Weight pounds
91002 M10SG	0.9	0.7	0.08

Adapter NANO -Changeover System- short version



Description

CNC fabricated adapter for use of milling tools with
-Changeover System-

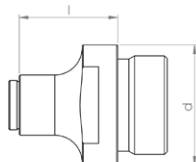
Specification

Stainless steel

Article-No.	d inch	h inch	Weight pounds
91005 M7SG	0.9	0.3	0.06



Adapter NANO -Changeover System- long version



Description

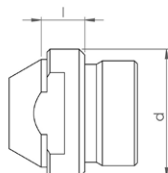
CNC fabricated adapter for use of milling tools with
-Changeover System-

Specification

Stainless steel

Article-No.	d inch	h inch	Weight pounds
91006 M7SG	0.9	0.7	0.08

Adapter MICRO (until 2010) -Changeover System- short version



Description

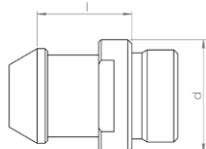
CNC fabricated adapter for use of milling tools with
-Changeover System-

Specification

Stainless steel

Article-No.	d inch	h inch	Weight pounds
91003 M8/60°	0.9	0.3	0.08

Adapter MICRO (until 2010) -Changeover System- long version



Description

CNC fabricated adapter for use of milling tools with
-Changeover System-

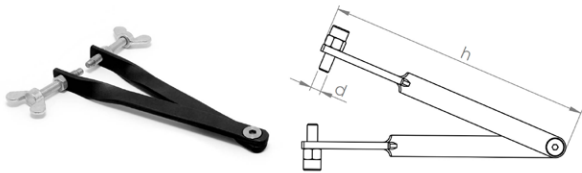
Specification

Stainless steel

Article-No.	d inch	h inch	Weight pounds
91004 M8/60°	0.9	0.7	0.11



Pin-tipped tongs for safe tool changeover



Description

The tongs are fitted with pin (with adjustable gripping depth) witch are inserted into the gripping holes of the milling tools, permitting safe changeover without risking damage to the tooling.

Specification

Steel

Article-No.	d inch	h inch	Weight pounds
92002	0.2	5.9	0.27

Open-end wrench 17 mm



Description

The flat design of the wrench is particularly well suited for milling tools with low base height.

Specification




Steel

Article-No.	d inch	h inch	Weight pounds
92001 SW17	0.7	0.1	0.17



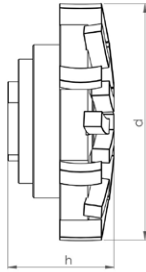
<p>N•TEC II® PREMIUM</p> 	<p>Premium Diamond Tools for High-Performance Material Removal and Long Service Life</p> <p>Materials to be processed</p> <ul style="list-style-type: none"> Reinforced Concrete Concrete Deposits / Fouling Cast Iron Vitrified Clay <p>Page 101</p>
<p>N•TEC II®</p> 	<p>Field-Proven Standard Diamond Tools with Outstanding Value for Purchase Investment</p> <p>Materials to be processed</p> <ul style="list-style-type: none"> Reinforced Concrete Concrete Deposits / Fouling Cast Iron Vitrified Clay <p>Page 109</p>
<p>BLACK•LINE</p> 	<p>High-Tech Milling Tools made of PCD with Unbeatable Cutting and Stock Removal Performance for Almost Every Material</p> <p>Materials to be processed</p> <ul style="list-style-type: none"> Concrete UV CIPP Deposits / Fouling Roots PVC Vitrified Clay Felt CIPP <p>Page 112</p>
<p>linerCUT Pro®</p> 	<p>Absolutely Smooth-Running and Precise PCD Cutting Tools for Opening CIPP - Optimized for UV CIPP -</p> <p>Materials to be processed</p> <ul style="list-style-type: none"> UV CIPP PVC Felt CIPP <p>Page 119</p>
<p>linerCUT Pro® 2.0</p> 	<p>Absolutely Smooth-Running and Precise PCD Cutting Tools for Opening CIPP - All Kinds of CIPP and PVC -</p> <p>Materials to be processed</p> <ul style="list-style-type: none"> UV CIPP PVC Felt CIPP <p>Page 123</p>
<p>linerCUT Pro® 2.0 U</p> 	<p>Milling Tools made of Irregularly Arranged PCD Cutting Edges with an Extremely Efficient Cutting Performance</p> <p>Materials to be processed</p> <ul style="list-style-type: none"> UV CIPP Roots PVC Felt CIPP <p>Page 124</p>
<p>D•GRIT</p> 	<p>Milling Tools with Diamond Granules for Opening CIPP - Optimal for UV CIPP and Lined Cast Iron Pipes -</p> <p>Materials to be processed</p> <ul style="list-style-type: none"> UV CIPP PVC Felt CIPP <p>Page 127</p>



HM•LINE 	Cost-Efficient Milling Tools with Carbide Granulate Tipping for Opening and Reworking CIPP Materials to be processed <ul style="list-style-type: none">• UV CIPP• Roots• PVC• Felt CIPP <div>Page 129</div>
VHM•LINE 	Special Milling Tools for Processing Steel and Cast Iron Materials to be processed <ul style="list-style-type: none">• Cast Iron• Steel <div>Page 131</div>
	Functional Accessories High-quality brushes, adapters, extensions, etc. <div>Page 132</div>



Mushroom-head milling cutter spring-mounted



Materials to be processed

- Reinforced Concrete
- Concrete
- Deposits / Fouling
- Cast Iron
- Vitrified Clay

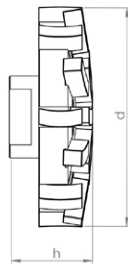
Field of Application

- Removal of intruding laterals
- Surface grinding and milling
- Removal of intruding obstacles
- Milling of offset socket transitions

Article-No.	Pipe Ø inch	d inch	h inch	Segments	Weight pounds
20044 P 5/8"UNC	8 - 12	3.5	1.6	21	1.54
20045 P 5/8"UNC	12 - 18	3.5	1.6	21	1.54
20046 P 5/8"UNC	18 - 24	3.5	1.6	21	1.54



Mushroom-head milling cutter machined for minimum runout



Materials to be processed

- Reinforced Concrete
- Concrete
- Deposits / Fouling
- Cast Iron
- Vitrified Clay

Field of Application

- Removal of intruding laterals
- Surface grinding and milling
- Milling of offset socket transitions

Article-No.	Pipe Ø inch	d inch	h inch	Segments	Weight pounds
20006 P 5/8"UNC	8 - 12	3.1	1.2	21	0.99
20007 P 5/8"UNC	12 - 18	3.1	1.2	21	0.99
20008 P 5/8"UNC	18 - 24	3.1	1.2	21	0.99



Mushroom-head milling cutter machined for minimum runout



Materials to be processed

- Reinforced Concrete
- Concrete
- Deposits / Fouling
- Cast Iron
- Vitrified Clay

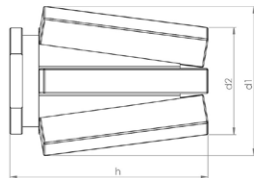
Field of Application

- Removal of intruding laterals
- Surface grinding and milling
- Milling of offset socket transitions

Article-No.	Pipe Ø inch	d inch	h inch	Segments	Weight pounds
20024 P 5/8"UNC	8 - 12	2.8	1.2	18	0.77
20025 P 5/8"UNC	12 - 18	2.8	1.2	18	0.77
20026 P 5/8"UNC	18 - 24	2.8	1.2	18	0.77



Tapered milling cutter machined for minimum runout



Materials to be processed

- Reinforced Concrete
- Concrete
- Cast Iron
- Vitrified Clay

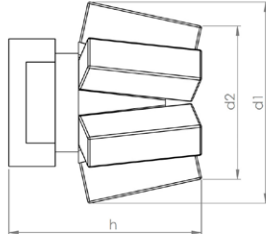
Field of Application

- Preparatory milling of laterals
- Removal of intruding laterals

Article-No.	d1 inch	d2 inch	h inch	Segments	Weight pounds
20013 P 5/8"UNC	1.5	1.1	2.1	6	0.33



Tapered milling cutter machined for minimum runout



Materials to be processed

- Reinforced Concrete
- Concrete
- Cast Iron
- Vitrified Clay

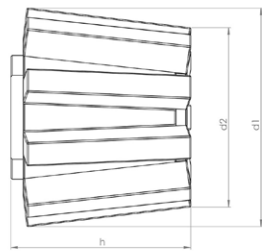
Field of Application

- Preparatory milling of laterals
- Removal of intruding laterals

Article-No.	d1 inch	d2 inch	h inch	Segments	Weight pounds
20027 P 5/8"UNC	1.4	1.1	1.3	6	0.22



Tapered milling cutter machined for minimum runout



Materials to be processed

- Reinforced Concrete
- Concrete
- Cast Iron
- Vitrified Clay

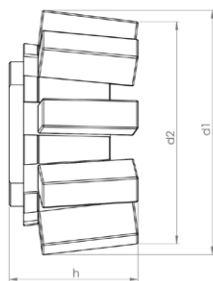
Field of Application

- Preparatory milling of laterals
- Removal of intruding laterals

Article-No.	d1 inch	d2 inch	h inch	Segments	Weight pounds
20004 P 5/8"UNC	2.0	1.7	1.6	9	0.66



Tapered milling cutter machined for minimum runout



Materials to be processed

- Reinforced Concrete
- Concrete
- Cast Iron
- Vitrified Clay

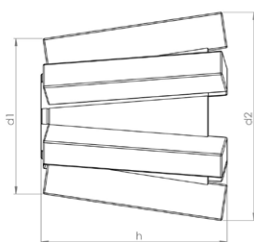
Field of Application

- Preparatory milling of laterals
- Removal of intruding laterals

Article-No.	d1 inch	d2 inch	h inch	Segments	Weight pounds
20001 P 5/8"UNC	2.0	1.8	1.0	9	0.44



V-shape milling cutter machined for minimum runout



Materials to be processed

- Reinforced Concrete
- Concrete
- Cast Iron
- Vitrified Clay

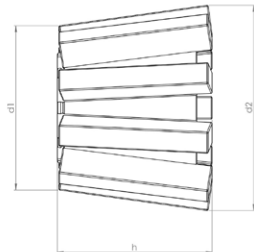
Field of Application

- Preparatory milling of laterals
- Removal of intruding laterals

Article-No.	d1 inch	d2 inch	h inch	Segments	Weight pounds
20043 P 5/8"UNC	1.4	1.8	1.7	6	0.33



V-shape milling cutter machined for minimum runout



Materials to be processed

- Reinforced Concrete
- Concrete
- Cast Iron
- Vitrified Clay

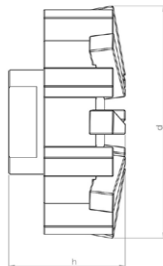
Field of Application

- Preparatory milling of laterals
- Removal of intruding laterals

Article-No.	d1 inch	d2 inch	h inch	Segments	Weight pounds
20039 P 5/8"UNC	1.7	2.0	1.7	9	0.66



Inlet milling cutter machined for minimum runout



Materials to be processed

- Reinforced Concrete
- Concrete
- Cast Iron
- Vitrified Clay

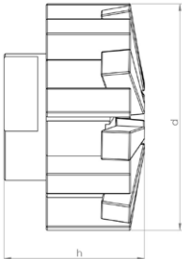
Field of Application

- Preparatory milling of laterals
- Removal of intruding laterals

Article-No.	d inch	h inch	Segments	Weight pounds
20015 P 5/8"UNC	2.7	1.3	16	0.88



Inlet milling cutter machined for minimum runout



Materials to be processed

- Reinforced Concrete
- Concrete
- Cast Iron
- Vitrified Clay

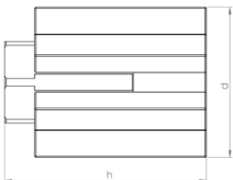
Field of Application

- Preparatory milling of laterals
- Removal of intruding laterals

Article-No.	d inch	h inch	Segments	Weight pounds
20047 P 5/8"UNC	2.2	1.4	16	0.66



Finger milling cutter machined for minimum runout



Materials to be processed

- Reinforced Concrete
- Concrete
- Cast Iron
- Vitrified Clay

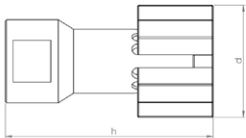
Field of Application

- Preparatory milling of cracks and sockets

Article-No.	d inch	h inch	Segments	Weight pounds
20048 P 5/8"UNC	1.4	2.0	7	0.44



Finger milling cutter machined for minimum runout



Materials to be processed

- Reinforced Concrete
- Concrete
- Cast Iron
- Vitrified Clay

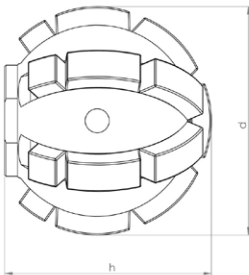
Field of Application

- Preparatory milling of cracks and sockets

Article-No.	d inch	h inch	Segments	Weight pounds
20003 P 5/8"UNC	1.2	2.2	5	0.22



Ball milling cutter



Materials to be processed

- Reinforced Concrete
- Concrete
- Deposits / Fouling
- Cast Iron
- Vitrified Clay

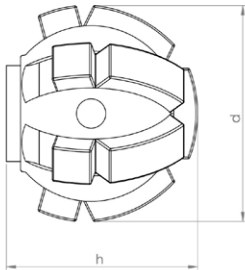
Field of Application

- Preparatory milling of laterals
- Removal of intruding laterals
- Removal of intruding obstacles

Article-No.	d inch	h inch	Segments	Weight pounds
20020 P 5/8"UNC	2.0	1.8	19	0.66



Ball milling cutter



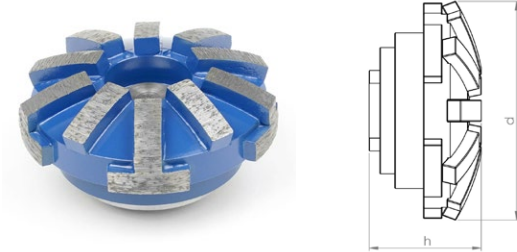
Materials to be processed

- Reinforced Concrete
- Concrete
- Deposits / Fouling
- Cast Iron
- Vitrified Clay

Field of Application

- Preparatory milling of laterals
- Removal of intruding laterals
- Removal of intruding obstacles

Article-No.	d inch	h inch	Segments	Weight pounds
20021 P 5/8"UNC	1.6	1.5	13	0.44


N•TEC II® Mushroom-head milling cutter spring-mounted

Materials to be processed

- Reinforced Concrete
- Concrete
- Deposits / Fouling
- Cast Iron
- Vitrified Clay

Field of Application

- Removal of intruding laterals
- Surface grinding and milling
- Removal of intruding obstacles
- Milling of offset socket transitions

Article-No.	Pipe Ø inch	d inch	h inch	Segments	Weight pounds
20036 5/8"UNC	8 - 12	3.1	1.7	15	1.65
20037 5/8"UNC	12 - 18	3.1	1.7	15	1.65
20038 5/8"UNC	18 - 24	3.1	1.7	15	1.65

Note: Milling tools in other segment hardnesses are available on request.

N•TEC II® Mushroom-head milling cutter

Materials to be processed

- Reinforced Concrete
- Concrete
- Deposits / Fouling
- Cast Iron
- Vitrified Clay

Field of Application

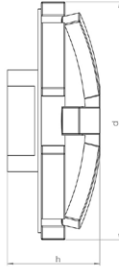
- Removal of intruding laterals
- Surface grinding and milling
- Milling of offset socket transitions

Article-No.	Pipe Ø inch	d inch	h inch	Segments	Weight pounds
20031 5/8"UNC	8 - 12	2.8	1.2	15	0.77
20032 5/8"UNC	12 - 18	2.8	1.2	15	0.77
20033 5/8"UNC	18 - 24	2.8	1.2	15	0.77

Note: Milling tools in other segment hardnesses are available on request.



N•TEC II® Mushroom-head milling cutter



Materials to be processed

- Reinforced Concrete
- Concrete
- Deposits / Fouling
- Cast Iron
- Vitrified Clay

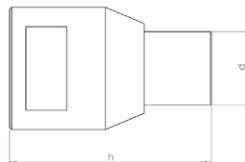
Field of Application

- Removal of intruding laterals
- Surface grinding and milling
- Milling of offset socket transitions

Article-No.	Pipe Ø inch	d inch	h inch	Segments	Weight pounds
21006 5/8"UNC	8 - 12	2.8	1.2	10	0.66
21007 5/8"UNC	12 - 18	2.8	1.2	10	0.66
21008 5/8"UNC	18 - 24	2.8	1.2	10	0.66

Note: Milling tools in other segment hardnesses are available on request.

N•TEC II® Slot milling cutter



Materials to be processed

- Reinforced Concrete
- Concrete
- Cast Iron
- Vitrified Clay

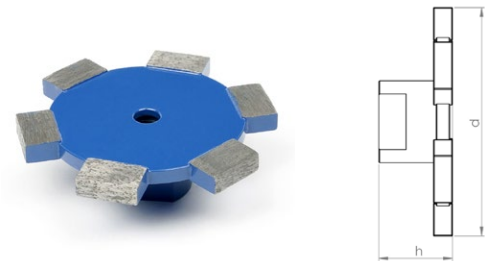
Field of Application

- Preparatory milling of cracks and sockets

Article-No.	d inch	h inch	Segments	Weight pounds
20009 5/8"UNC	0.7	2.0	1	0.22



N•TEC II® Disk milling cutter



Materials to be processed

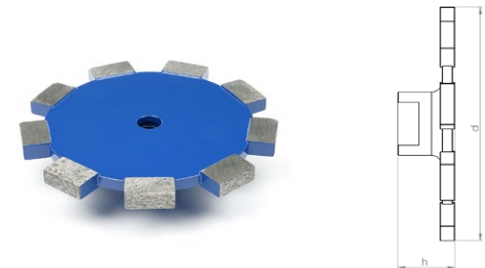
- Reinforced Concrete
- Concrete
- Vitrified Clay

Field of Application

- Milling of circumferential slots on laterals

Article-No.	d inch	h inch	Segments	Weight pounds
20041 5/8"UNC	3.3	1.1	6	0.66

N•TEC II® Disk milling cutter



Materials to be processed

- Reinforced Concrete
- Concrete
- Vitrified Clay

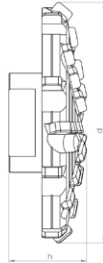
Field of Application

- Milling of circumferential slots on laterals

Article-No.	d inch	h inch	Segments	Weight pounds
20042 5/8"UNC	4.3	1.1	9	0.99



BLACK-LINE Mushroom-head milling cutter



Materials to be processed

- Concrete
- Deposits / Fouling
- UV CIPP
- Roots
- PVC
- Vitrified Clay
- Felt CIPP

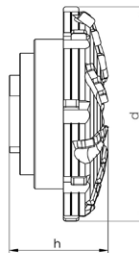
Note: Use on steel-reinforced concrete will destroy the cutting elements!

Field of Application

- Surface milling
- Removal of intruding obstacles
- Milling of offset socket transitions

Article-No.	Pipe Ø inch	d inch	h inch	Segments	Weight pounds
BL 11426 5/8"UNC	8 - 18	2.5	1.0	28	0.44
BL 11401 5/8"UNC	12 - 24	3.0	1.1	32	0.55

BLACK-LINE Mushroom-head milling cutter spring-mounted



Materials to be processed

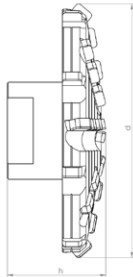
- Concrete
- Deposits / Fouling
- UV CIPP
- Roots
- PVC
- Vitrified Clay
- Felt CIPP

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

Field of Application

- Surface milling
- Removal of intruding obstacles
- Milling of offset socket transitions

Article-No.	Pipe Ø inch	d inch	h inch	Segments	Weight pounds
BL 11458 5/8"UNC	8 - 12	3.1	1.5	32	1.54
BL 11459 5/8"UNC	12 - 18	3.1	1.5	32	1.54
BL 11460 5/8"UNC	18 - 24	3.1	1.5	32	1.54


BLACK-LINE Mushroom-head milling cutter center cutting

Materials to be processed

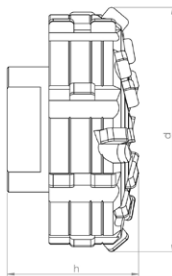
- Concrete
- Deposits / Fouling
- UV CIPP
- Roots
- PVC
- Vitrified Clay
- Felt CIPP

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

Field of Application

- Frontal milling
- Surface milling
- Removal of intruding obstacles
- Milling of offset socket transitions

Article-No.	Pipe Ø inch	d inch	h inch	Segments	Weight pounds
BL 11427 5/8"UNC	8 - 18	2.6	1.1	30	0.44
BL 11402 5/8"UNC	12 - 24	3.0	1.3	34	0.66

BLACK-LINE Inlet milling cutter

Materials to be processed

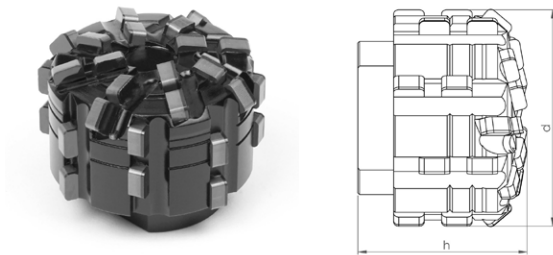
- Concrete
- Deposits / Fouling
- UV CIPP
- Roots
- PVC
- Vitrified Clay
- Felt CIPP

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

Field of Application

- Opening of laterals and inlet lines
- Preparatory milling of laterals
- Removal of intruding laterals
- Removal of intruding obstacles

Article-No.	d inch	h inch	Segments	Weight pounds
BL 11409 5/8"UNC	2.2	1.2	28	0.77


BLACK-LINE Inlet milling cutter

Materials to be processed

- Concrete
- Deposits / Fouling
- UV CIPP
- Roots
- PVC
- Vitrified Clay
- Felt CIPP

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

Field of Application

- Opening of laterals and inlet lines
- Preparatory milling of laterals
- Removal of intruding laterals
- Removal of intruding obstacles

Article-No.	d inch	h inch	Segments	Weight pounds
BL 11451 5/8"UNC	1.8	1.3	32	0.44

BLACK-LINE Inlet milling cutter center cutting

Materials to be processed

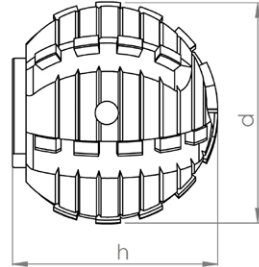
- Concrete
- Deposits / Fouling
- UV CIPP
- Roots
- PVC
- Vitrified Clay
- Felt CIPP

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

Field of Application

- Opening of laterals and inlet lines
- Preparatory milling of laterals
- Removal of intruding laterals
- Frontal milling
- Surface milling
- Removal of intruding obstacles

Article-No.	d inch	h inch	Segments	Weight pounds
BL 11452 5/8"UNC	2.8	1.3	34	0.88


BLACK-LINE Ball milling cutter

Materials to be processed

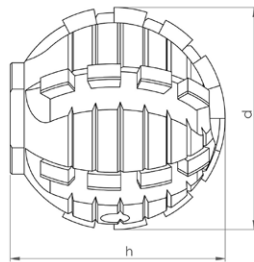
- UV CIPP
- PVC
- Roots
- Felt CIPP

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

Field of Application

- Opening of laterals and inlet lines
- Removal of intruding obstacles

Article-No.	d inch	h inch	Segments	Weight pounds
BL 11410 5/8"UNC	2.0	1.8	30	0.88

BLACK-LINE Ball milling cutter

Materials to be processed

- UV CIPP
- PVC
- Roots
- Felt CIPP

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

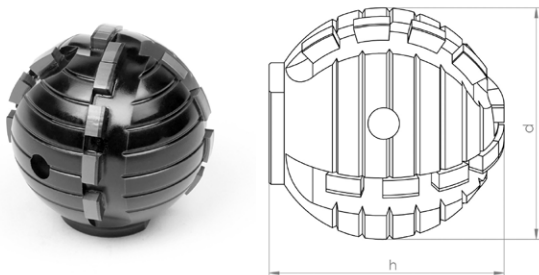
Field of Application

- Opening of laterals and inlet lines
- Removal of intruding obstacles

Article-No.	d inch	h inch	Segments	Weight pounds
BL 11446 5/8"UNC	1.6	1.7	26	0.55



BLACK•LINE Ball milling cutter



Materials to be processed

- UV CIPP
- PVC
- Roots
- Felt CIPP

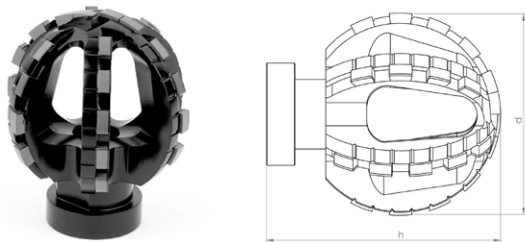
Note: Only suitable for processing CIPP liners and PVC and for cutting roots!

Field of Application

- Opening of laterals and inlet lines
- Removal of intruding obstacles

Article-No.	d inch	h inch	Segments	Weight pounds
BL 11414 5/8"UNC	1.6	1.7	18	0.55

BLACK•LINE Ball milling cutter Type ProView®



Materials to be processed

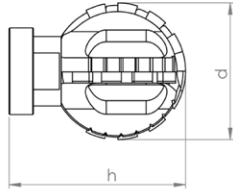
- UV CIPP
- PVC
- Roots
- Felt CIPP

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

Field of Application

- Opening of laterals and inlet lines
- Removal of intruding obstacles

Article-No.	d inch	h inch	Segments	Weight pounds
BL 11116 5/8"UNC	2.0	2.2	30	0.44


BLACK-LINE Ball milling cutter Type ProView®

Materials to be processed

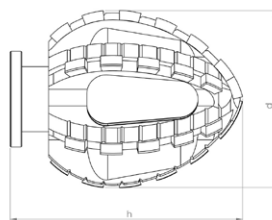
- UV CIPP
- PVC
- Roots
- Felt CIPP

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

Field of Application

- Opening of laterals and inlet lines
- Removal of intruding obstacles

Article-No.	d inch	h inch	Segments	Weight pounds
BL 11117 5/8"UNC	1.6	2.0	18	0.33

BLACK-LINE Double-cone milling cutter Type ProView®

Materials to be processed

- UV CIPP
- PVC
- Roots
- Felt CIPP

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

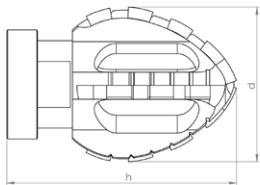
Field of Application

- Opening of laterals and inlet lines
- Removal of intruding obstacles

Article-No.	d inch	h inch	Segments	Weight pounds
BL 11113 5/8"UNC	1.8	2.4	34	0.35



BLACK•LINE Double-cone milling cutter Type ProView®



Materials to be processed

- UV CIPP
- PVC
- Roots
- Felt CIPP

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

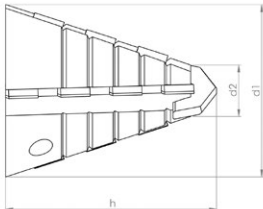
Field of Application

- Opening of laterals and inlet lines
- Removal of intruding obstacles

Article-No.	d inch	h inch	Segments	Weight pounds
BL 11118 5/8"UNC	1.4	2.1	16	0.33



linerCUT Pro® Tapered milling cutter with tungsten carbide tip



Materials to be processed

- UV CIPP
- Felt CIPP
- PVC

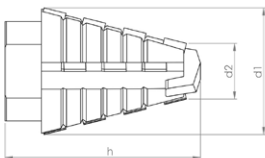
Note: Only suitable for processing CIPP liners and PVC!

Field of Application

- Opening of laterals and inlet lines

Article-No.	d1 inch	d2 inch	h inch	Segments	Weight pounds
BL 11463 5/8"UNC	1.6	0.7	1.9	14	0.3

linerCUT Pro® Tapered milling cutter with tungsten carbide tip



Materials to be processed

- UV CIPP
- Felt CIPP
- PVC

Note: Only suitable for processing CIPP liners and PVC!

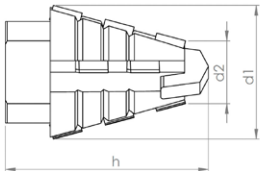
Field of Application

- Opening of laterals and inlet lines

Article-No.	d1 inch	d2 inch	h inch	Segments	Weight pounds
BL 11437 5/8"UNC	1.1	0.7	1.8	14	0.17



linerCUT Pro® Tapered milling cutter with tungsten carbide tip



Materials to be processed

- UV CIPP
- Felt CIPP
- PVC

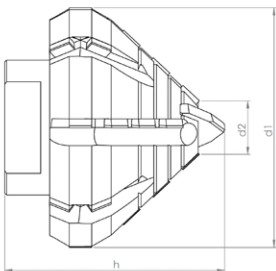
Note: Only suitable for processing CIPP liners and PVC!

Field of Application

- Opening of laterals and inlet lines

Article-No.	d1 inch	d2 inch	h inch	Segments	Weight pounds
BL 11438 5/8"UNC	1.2	0.7	1.4	10	0.13

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



Materials to be processed

- UV CIPP
- Felt CIPP
- PVC

Note: Only suitable for processing CIPP liners and PVC!

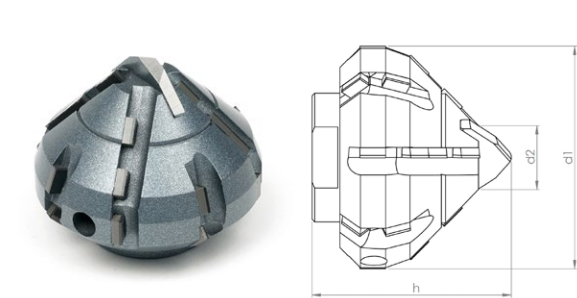
Field of Application

- Opening of laterals and inlet lines

Article-No.	d1 inch	d2 inch	h inch	Segments	Weight pounds
BL 11441 5/8"UNC	2.2	0.8	1.8	24	0.66



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



Materials to be processed

- UV CIPP
- Felt CIPP
- PVC

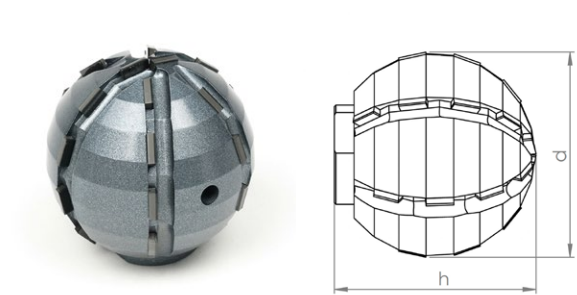
Note: Only suitable for processing CIPP liners and PVC!

Field of Application

- Opening of laterals and inlet lines

Article-No.	d1 inch	d2 inch	h inch	Segments	Weight pounds
BL 11439 5/8"UNC	1.8	0.8	1.6	22	0.44

linerCUT Pro® Ball milling cutter



Materials to be processed

- UV CIPP
- Felt CIPP
- PVC

Note: Only suitable for processing CIPP liners and PVC!

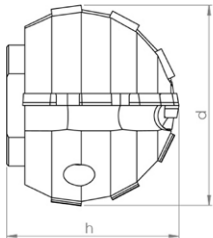
Field of Application

- Opening of laterals and inlet lines

Article-No.	d inch	h inch	Segments	Weight pounds
BL 11444 5/8"UNC	2.0	2.2	24	1.1



linerCUT Pro® Ball milling cutter



Materials to be processed

- UV CIPP
- Felt CIPP
- PVC

Note: Only suitable for processing CIPP liners and PVC!

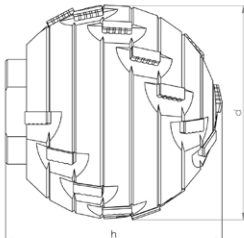
Field of Application

- Opening of laterals and inlet lines

Article-No.	d inch	h inch	Segments	Weight pounds
BL 11443 5/8"UNC	1.6	1.4	12	0.44



linerCUT Pro® 2.0 Ball milling cutter



Materials to be processed

- UV CIPP
- Felt CIPP
- PVC

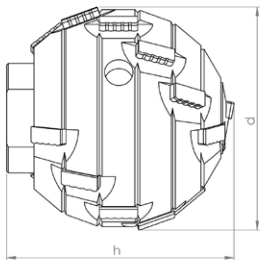
Note: Only suitable for processing CIPP liners and PVC!

Field of Application

- Opening of laterals and inlet lines

Article-No.	d inch	h inch	Segments	Weight pounds
BL 11449 5/8"UNC	2.0	2.0	22	1.1

linerCUT Pro® 2.0 Ball milling cutter



Materials to be processed

- UV CIPP
- Felt CIPP
- PVC

Note: Only suitable for processing CIPP liners and PVC!

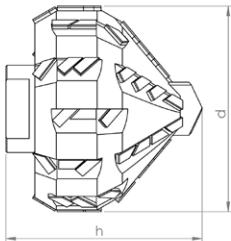
Field of Application

- Opening of laterals and inlet lines

Article-No.	d inch	h inch	Segments	Weight pounds
BL 11448 5/8"UNC	1.6	1.6	18	0.55



linerCUT Pro® 2.0U Taper/cylinder milling cutter with tungsten carbide tip



Materials to be processed

- UV CIPP
- PVC
- Roots
- Felt CIPP

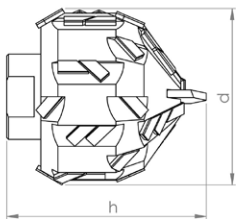
Note: Only suitable for processing CIPP liners and PVC and for cutting roots!

Field of Application

- Opening of laterals and inlet lines
- Removal of intruding obstacles

Article-No.	d inch	h inch	Segments	Weight pounds
BL 11457 5/8"UNC	2.8	2.4	58	2.64

linerCUT Pro® 2.0U Taper/cylinder milling cutter with tungsten carbide tip



Materials to be processed

- UV CIPP
- PVC
- Roots
- Felt CIPP

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

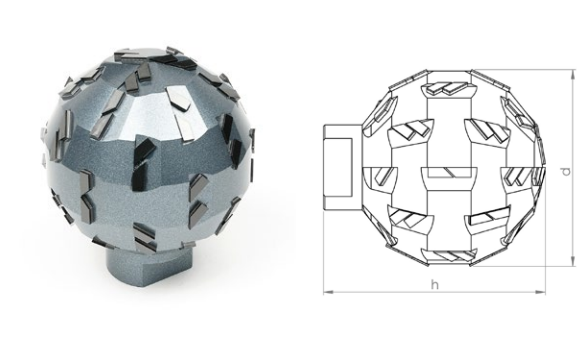
Field of Application

- Opening of laterals and inlet lines
- Removal of intruding obstacles

Article-No.	d inch	h inch	Segments	Weight pounds
BL 11456 5/8"UNC	2.0	2.4	38	1.32



linerCUT Pro® 2.0U Ball milling cutter



Materials to be processed

- UV CIPP
- PVC
- Roots
- Felt CIPP

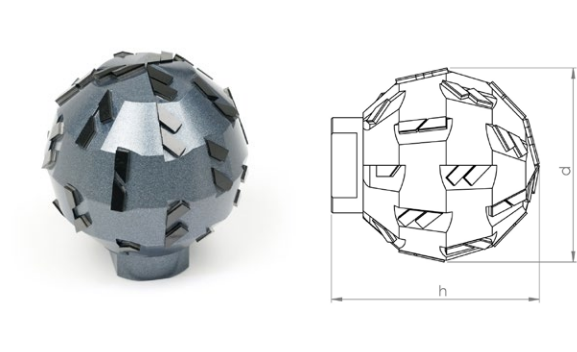
Note: Only suitable for processing CIPP liners and PVC and for cutting roots!

Field of Application

- Opening of laterals and inlet lines
- Removal of intruding obstacles

Article-No.	d inch	h inch	Segments	Weight pounds
BL 11455 5/8"UNC	2.8	3.0	60	3.08

linerCUT Pro® 2.0U Ball milling cutter



Materials to be processed

- UV CIPP
- PVC
- Roots
- Felt CIPP

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

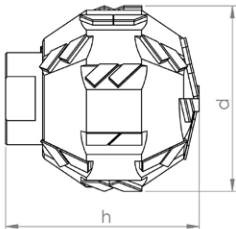
Field of Application

- Opening of laterals and inlet lines
- Removal of intruding obstacles

Article-No.	d inch	h inch	Segments	Weight pounds
BL 11454 5/8"UNC	2.4	2.6	48	2.64



linerCUT Pro® 2.0U Ball milling cutter



Materials to be processed

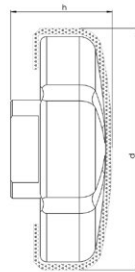
- UV CIPP
- PVC
- Roots
- Felt CIPP

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

Field of Application

- Opening of laterals and inlet lines
- Removal of intruding obstacles

Article-No.	d inch	h inch	Segments	Weight pounds
BL 11453 5/8"UNC	2.0	2.2	40	1.1


D•GRIT Inlet milling cutter

Materials to be processed

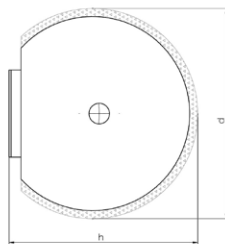
- UV CIPP
- Felt CIPP
- PVC

Note: Only suitable for processing CIPP liners and PVC!

Field of Application

- Opening of laterals and inlet lines
- CIPP liner finishing

Article-No.	d inch	h inch	Grit	Weight pounds
70011 5/8"UNC	2.8	1.2	Diamond	1.1

D•GRIT Ball milling cutter

Materials to be processed

- UV CIPP
- Felt CIPP
- PVC

Note: Only suitable for processing CIPP liners and PVC!

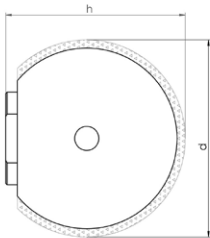
Field of Application

- Opening of laterals and inlet lines
- CIPP liner finishing

Article-No.	d inch	h inch	Grit	Weight pounds
70002 5/8"UNC	2.0	1.9	Diamond	0.99



D•GRIT Ball milling cutter



Materials to be processed

- UV CIPP
- Felt CIPP
- PVC

Note: Only suitable for processing CIPP liners and PVC!

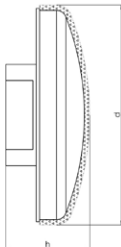
Field of Application

- Opening of laterals and inlet lines
- CIPP liner finishing

Article-No.	d inch	h inch	Grit	Weight pounds
70001 5/8"UNC	1.6	1.5	Diamond	0.55



HM•LINE Mushroom-head milling cutter



Materials to be processed

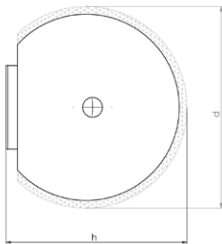
- UV CIPP
- PVC
- Roots
- Felt CIPP

Field of Application

- Removal of intruding obstacles
- CIPP liner finishing

Article-No.	d inch	h inch	Grit	Weight pounds
50003 5/8"UNC	2.6	1.2	Carbide	0.66

HM•LINE Ball milling cutter



Materials to be processed

- UV CIPP
- PVC
- Roots
- Felt CIPP

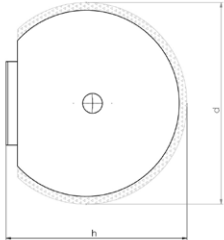
Field of Application

- Opening of laterals and inlet lines
- Removal of intruding obstacles
- CIPP liner finishing

Article-No.	d inch	h inch	Grit	Weight pounds
50001 5/8"UNC	2.0	2.0	Carbide	1.32



HM•LINE Ball milling cutter



Materials to be processed

- UV CIPP
- PVC
- Roots
- Felt CIPP

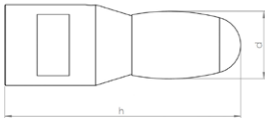
Field of Application

- Opening of laterals and inlet lines
- Removal of intruding obstacles
- CIPP liner finishing

Article-No.	d inch	h inch	Grit	Weight pounds
50002 5/8"UNC	1.6	1.7	Carbide	0.66



VHM•LINE oval shaped



Materials to be processed

- Cast Iron
- Steel

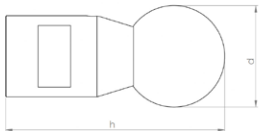
Note: Use on concrete or vitrified clay will destroy the cutting elements!

Field of Application

- Removal of intruding obstacles

Article-No.	d inch	h inch	Segments	Weight pounds
60007 5/8"UNC	0.6	2.4	1	0.33

VHM•LINE ball shaped



Materials to be processed

- Cast Iron
- Steel

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

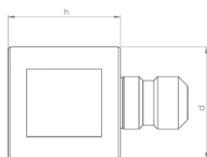
Field of Application

- Removal of intruding obstacles

Article-No.	d inch	h inch	Segments	Weight pounds
60008 5/8"UNC	1.0	2.4	1	0.33



Extension 30 mm



Description

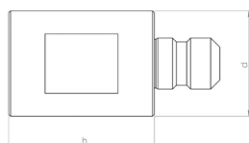
CNC fabricated tool extension for increased working radius of robot arm.

Specification

Stainless steel

Article-No.	d inch	h inch	Weight pounds
90120 5/8"UNC	1.2	1.2	0.33

Extension 40 mm



Description

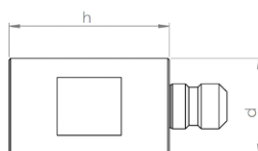
CNC fabricated tool extension for increased working radius of robot arm.

Specification

Stainless steel

Article-No.	d inch	h inch	Weight pounds
90121 5/8"UNC	1.2	1.6	0.44

Extension 50 mm



Description

CNC fabricated tool extension for increased working radius of robot arm.

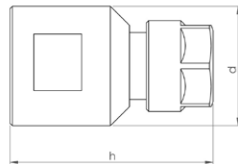
Specification

Stainless steel

Article-No.	d inch	h inch	Weight pounds
90122 5/8"UNC	1.2	2.0	0.55



Adapter for mounting commercially available shank tools Ø 1/4"



Description

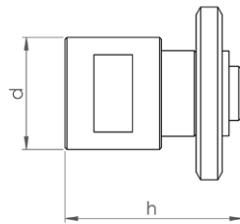
CNC fabricated collet chuck adapter for mounting commercially available shank tools.
e.g. burrs, brushes, flap grinders etc...
Mounting: Shank Ø 1/4"

Specification

Stainless steel

Article-No.	d inch	h inch	Weight pounds
90171 5/8"UNC	1.2	1.6	0.22

Adapter for mounting of 3 cutting discs



Description

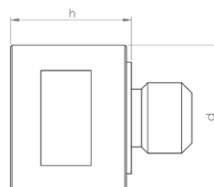
CNC fabricated adapter for mounting of 3 cutting discs.
Mounting shaft Ø 22,2 mm
includes 3 cutting discs and locking disc
NOTE: This adapter cannot be used to mount a single cutting disc!

Specification

Stainless steel

Article-No.	d inch	h inch	Weight pounds
90168 5/8"UNC	1.2	1.8	0.44

Adapter for mounting of brushes and cutting discs



Description

CNC fabricated adapter for mounting of brushes and cutting discs.
Thread: M14 (14 mm O.D.)
Centering ring for cutting disc: Ø 22,2 mm
NOTE: When mounting wheel brushes or cutting discs, a locking disc is also required!

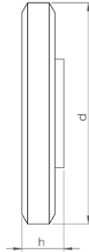
Specification

Stainless steel

Article-No.	d inch	h inch	Weight pounds
90112 5/8"UNC	1.2	1.0	0.24



Locking disc for mounting of wheel brushes and cutting discs



Description

Thread: M14 (14 mm O.D.)

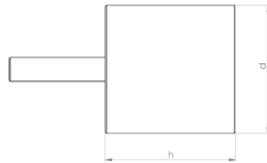
NOTE: Wheel brushes and cutting discs must be mounted using matching adapters!

Specification

Steel, burnished

Article-No.	d inch	h inch	Weight pounds
SP 90110	1.8	0.3	0.15

Mounted point-cylindrical



Description

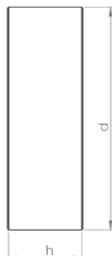
Corundum mounted point, for working on steel and cast iron.
NOTE: Only useable with adapter!

Specification

Corundum

Article-No.	d inch	h inch	Weight pounds
81002	1.3	1.3	0.17

Cup wheel Ø 80 mm



Description

Corundum cup wheel, for working on steel and cast iron.

Mounting hole Ø 22,2 mm

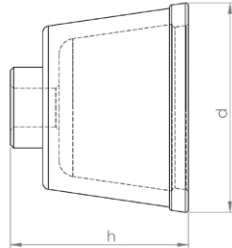
NOTE: May be used only with matching adapter and locking disc!

Specification

Corundum

Article-No.	d inch	h inch	Weight pounds
81003	3.1	1.1	0.44

Cup brush Ø 65 mm



Description

Premium rotary wire brush for finishing work on CIPP liners and PVC.

Mounting hole M14 (14 mm thread O.D.)

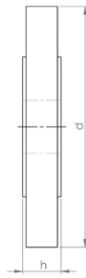
NOTE: May be used only with matching adapter!

Specification

Wire thickness: Ø 0,8 mm

Article-No.	d inch	h inch	Weight pounds
80020	2.6	2.0	0.55

Wheel brush Ø 100 mm



Description

Premium rotary wire brush for finishing work on CIPP liners and PVC.

Mounting hole Ø 22,2 mm

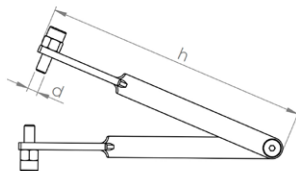
NOTE: May be used only with matching adapter and locking disc!

Specification

Wire thickness: Ø 0,5 mm

Article-No.	d inch	h inch	Weight pounds
80018	3.9	0.6	0.44

Pin-tipped tongs for safe tool changeover



Description


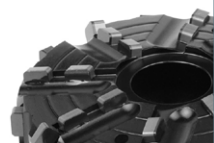





The tongs are fitted with pin (with adjustable gripping depth) which are inserted into the gripping holes of the milling tools, permitting safe changeover without risking damage to the tooling.

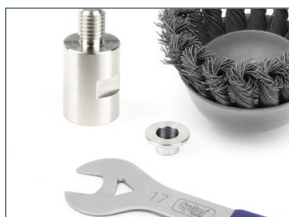
Specification

Steel

Article-No.	d inch	h inch	Weight pounds
92002	0.2	5.9	0.27



<p>N•TEC II®</p> 	<p>Field-Proven Standard Diamond Tools with Outstanding Value for Purchase Investment</p> <p>Materials to be processed</p> <ul style="list-style-type: none"> Reinforced Concrete Concrete Deposits / Fouling Cast Iron Vitrified Clay <p>Page 138</p>
<p>BLACK•LINE</p> 	<p>High-Tech Milling Tools made of PCD with Unbeatable Cutting and Stock Removal Performance for Almost Every Material</p> <p>Materials to be processed</p> <ul style="list-style-type: none"> UV CIPP Roots PVC Felt CIPP <p>Page 140</p>
<p>linerCUT Pro®</p> 	<p>Absolutely Smooth-Running and Precise PCD Cutting Tools for Opening CIPP - Optimized for UV CIPP -</p> <p>Materials to be processed</p> <ul style="list-style-type: none"> UV CIPP PVC Felt CIPP <p>Page 143</p>
<p>linerCUT Pro® 2.0</p> 	<p>Absolutely Smooth-Running and Precise PCD Cutting Tools for Opening CIPP - All Kinds of CIPP and PVC -</p> <p>Materials to be processed</p> <ul style="list-style-type: none"> UV CIPP PVC Felt CIPP <p>Page 144</p>
<p>D•GRIT</p> 	<p>Milling Tools with Diamond Granules for Opening CIPP - Optimal for UV CIPP and Lined Cast Iron Pipes -</p> <p>Materials to be processed</p> <ul style="list-style-type: none"> UV CIPP PVC Felt CIPP <p>Page 145</p>
<p>HM•LINE</p> 	<p>Cost-Efficient Milling Tools with Carbide Granulate Tipping for Opening and Reworking CIPP</p> <p>Materials to be processed</p> <ul style="list-style-type: none"> UV CIPP Roots PVC Felt CIPP <p>Page 146</p>
<p>VHM•LINE</p> 	<p>Special Milling Tools for Processing Steel and Cast Iron</p> <p>Materials to be processed</p> <ul style="list-style-type: none"> Cast Iron Steel <p>Page 147</p>



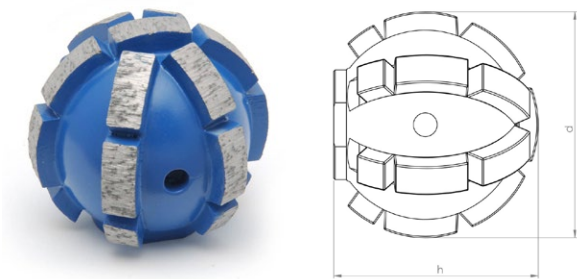
Functional Accessories

High-quality brushes, adapters, extensions, etc.

Page 148



N•TEC II® Ball milling cutter



Materials to be processed

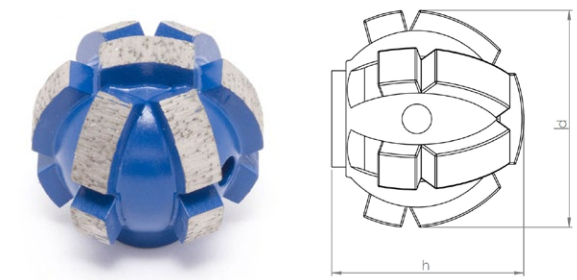
- Reinforced Concrete
- Concrete
- Deposits / Fouling
- Cast Iron
- Vitrified Clay

Field of Application

- Preparatory milling of laterals
- Removal of intruding laterals
- Removal of intruding obstacles

Article-No.	d inch	h inch	Segments	Weight pounds
20020 5/8"UNC	2.0	1.8	19	0.66

N•TEC II® Ball milling cutter



Materials to be processed

- Reinforced Concrete
- Concrete
- Deposits / Fouling
- Cast Iron
- Vitrified Clay

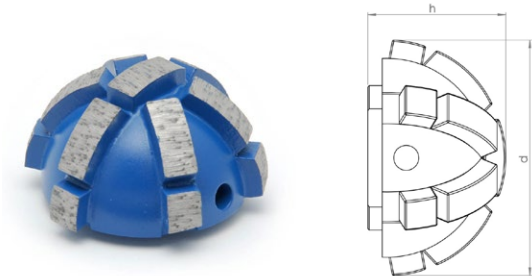
Field of Application

- Preparatory milling of laterals
- Removal of intruding laterals
- Removal of intruding obstacles

Article-No.	d inch	h inch	Segments	Weight pounds
20021 5/8"UNC	1.6	1.5	13	0.44



N•TEC II® Half-ball milling cutter



Materials to be processed

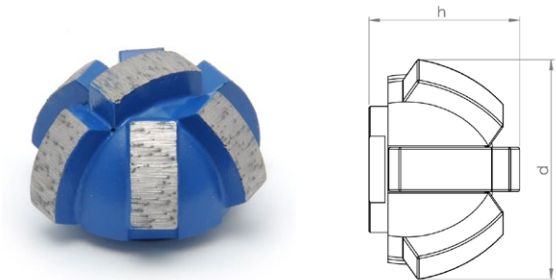
- Reinforced Concrete
- Concrete
- Deposits / Fouling
- Cast Iron
- Vitrified Clay

Field of Application

- Preparatory milling of laterals
- Removal of intruding laterals
- Frontal milling
- Removal of intruding obstacles

Article-No.	d inch	h inch	Segments	Weight pounds
20034 5/8"UNC	2.0	1.1	13	0.33

N•TEC II® Half-ball milling cutter



Materials to be processed

- Reinforced Concrete
- Concrete
- Deposits / Fouling
- Cast Iron
- Vitrified Clay

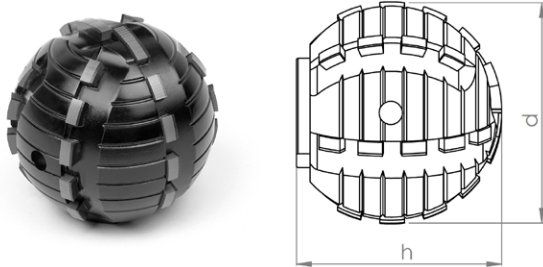
Field of Application

- Preparatory milling of laterals
- Removal of intruding laterals
- Frontal milling
- Removal of intruding obstacles

Article-No.	d inch	h inch	Segments	Weight pounds
20035 5/8"UNC	1.4	1.0	7	0.22



BLACK•LINE Ball milling cutter



Materials to be processed

- UV CIPP
- Roots
- PVC
- Felt CIPP

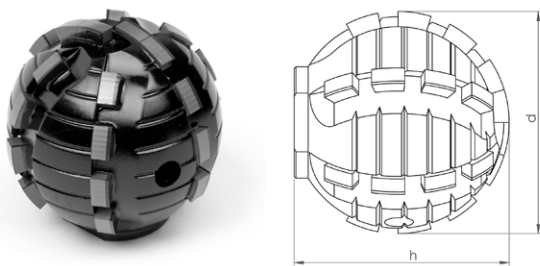
Note: Only suitable for processing CIPP liners and PVC and for cutting roots!

Field of Application

- Opening of laterals and inlet lines
- Removal of intruding obstacles

Article-No.	d inch	h inch	Segments	Weight pounds
BL 11410 5/8"UNC	2.0	1.8	30	0.88

BLACK•LINE Ball milling cutter



Materials to be processed

- UV CIPP
- Roots
- PVC
- Felt CIPP

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

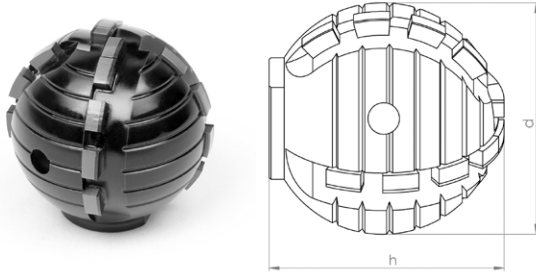
Field of Application

- Opening of laterals and inlet lines
- Removal of intruding obstacles

Article-No.	d inch	h inch	Segments	Weight pounds
BL 11446 5/8"UNC	1.6	1.7	26	0.55



BLACK-LINE Ball milling cutter



Materials to be processed

- UV CIPP
- PVC
- Roots
- Felt CIPP

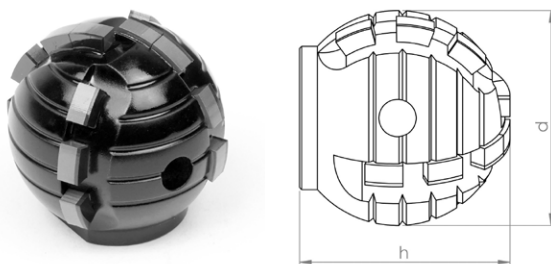
Note: Only suitable for processing CIPP liners and PVC and for cutting roots!

Field of Application

- Opening of laterals and inlet lines
- Removal of intruding obstacles

Article-No.	d inch	h inch	Segments	Weight pounds
BL 11414 5/8"UNC	1.6	1.7	18	0.55

BLACK-LINE Ball milling cutter



Materials to be processed

- UV CIPP
- PVC
- Roots
- Felt CIPP

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

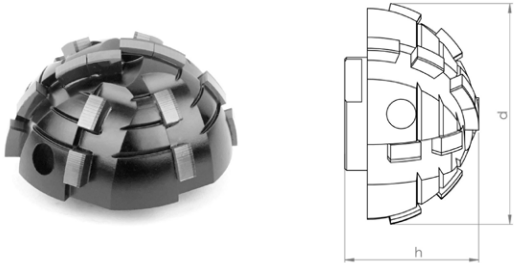
Field of Application

- Opening of laterals and inlet lines
- Removal of intruding obstacles

Article-No.	d inch	h inch	Segments	Weight pounds
BL 11408 5/8"UNC	1.2	1.3	14	0.22



BLACK-LINE Half-ball milling cutter



Materials to be processed

- UV CIPP
- PVC
- Roots
- Felt CIPP

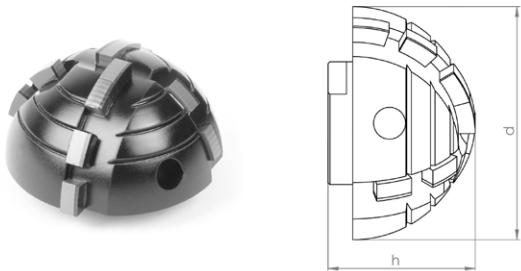
Note: Use on steel-reinforced concrete will destroy the cutting elements!

Field of Application

- Opening of laterals and inlet lines
- Removal of intruding obstacles

Article-No.	d inch	h inch	Segments	Weight pounds
BL 11465 5/8"UNC	1.6	1.0	16	0.33

BLACK-LINE Half-ball milling cutter



Materials to be processed

- UV CIPP
- PVC
- Roots
- Felt CIPP

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

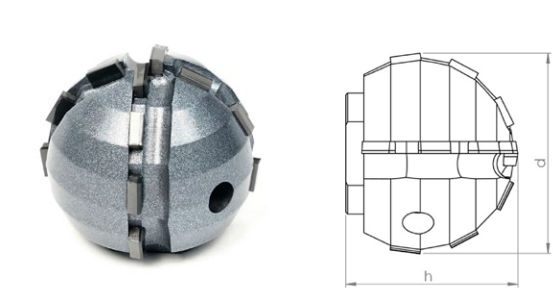
Field of Application

- Opening of laterals and inlet lines
- Removal of intruding obstacles

Article-No.	d inch	h inch	Segments	Weight pounds
BL 11428 5/8"UNC	1.6	1.0	12	0.15



linerCUT Pro® Ball milling cutter



Materials to be processed

- UV CIPP
- Felt CIPP
- PVC

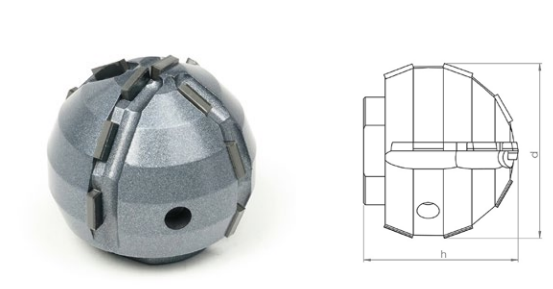
Note: Only suitable for processing CIPP liners and PVC!

Field of Application

- Opening of laterals and inlet lines

Article-No.	d inch	h inch	Segments	Weight pounds
BL 11443 5/8"UNC	1.6	1.4	12	0.44

linerCUT Pro® Ball milling cutter



Materials to be processed

- UV CIPP
- Felt CIPP
- PVC

Note: Only suitable for processing CIPP liners and PVC!

Field of Application

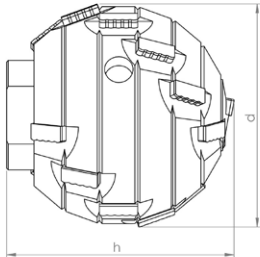
- Opening of laterals and inlet lines

Article-No.	d inch	h inch	Segments	Weight pounds
BL 11442 5/8"UNC	1.2	1.1	14	0.22

* These are third party brands that are in no way associated with SDT Technolgy GmbH



linerCUT Pro® 2.0 Ball milling cutter



Materials to be processed

- UV CIPP
- Felt CIPP
- PVC

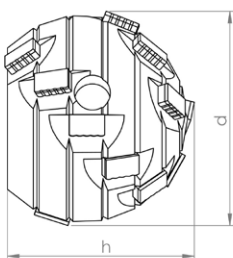
Note: Only suitable for processing CIPP liners and PVC!

Field of Application

- Opening of laterals and inlet lines

Article-No.	d inch	h inch	Segments	Weight pounds
BL 11448 5/8"UNC	1.6	1.6	18	0.55

linerCUT Pro® 2.0 Ball milling cutter



Materials to be processed

- UV CIPP
- Felt CIPP
- PVC

Note: Only suitable for processing CIPP liners and PVC!

Field of Application

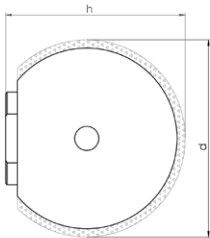
- Opening of laterals and inlet lines

Article-No.	d inch	h inch	Segments	Weight pounds
BL 11447 5/8"UNC	1.2	1.0	16	0.22



D•GRIT

Ball milling cutter



Materials to be processed

- UV CIPP
- Felt CIPP
- PVC

Note: Only suitable for processing CIPP liners and PVC!

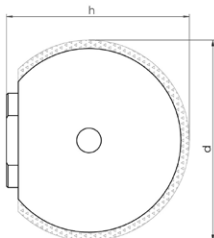
Field of Application

- Opening of laterals and inlet lines
- CIPP liner finishing

Article-No.	d inch	h inch	Grit	Weight pounds
70001 5/8"UNC	1.6	1.5	Diamond	0.55

D•GRIT

Ball milling cutter



Materials to be processed

- UV CIPP
- Felt CIPP
- PVC

Note: Only suitable for processing CIPP liners and PVC!

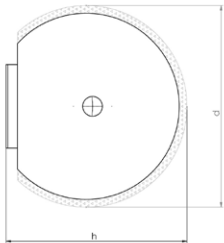
Field of Application

- Opening of laterals and inlet lines
- CIPP liner finishing

Article-No.	d inch	h inch	Grit	Weight pounds
70003 5/8"UNC	1.2	1.2	Diamond	0.33



HM•LINE Ball milling cutter



Materials to be processed

- UV CIPP
- PVC
- Roots
- Felt CIPP

Field of Application

- Opening of laterals and inlet lines
- Removal of intruding obstacles
- CIPP liner finishing

Article-No.	d inch	h inch	Grit	Weight pounds
50002 5/8"UNC	1.6	1.7	Carbide	0.66

HM•LINE Half-ball milling cutter



Materials to be processed

- UV CIPP
- PVC
- Roots
- Felt CIPP

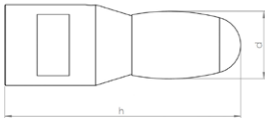
Field of Application

- Opening of laterals and inlet lines
- Removal of intruding obstacles
- CIPP liner finishing

Article-No.	d inch	h inch	Grit	Weight pounds
50004 5/8"UNC	1.6	1.2	Carbide	0.33



VHM•LINE oval shaped



Materials to be processed

- Cast Iron
- Steel

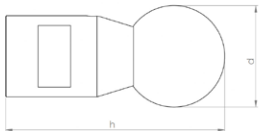
Note: Use on concrete or vitrified clay will destroy the cutting elements!

Field of Application

- Removal of intruding obstacles

Article-No.	d inch	h inch	Segments	Weight pounds
60007 5/8"UNC	0.6	2.4	1	0.33

VHM•LINE ball shaped



Materials to be processed

- Cast Iron
- Steel

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

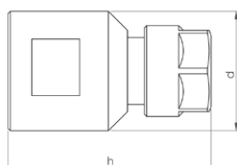
Field of Application

- Removal of intruding obstacles

Article-No.	d inch	h inch	Segments	Weight pounds
60008 5/8"UNC	1.0	2.4	1	0.33



Adapter for mounting commercially available shank tools Ø 1/4"



Description

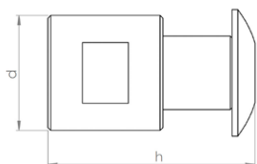
CNC fabricated collet chuck adapter for mounting commercially available shank tools.
e.g. burrs, brushes, flap grinders etc...
Mounting: Shank Ø 1/4"

Specification

Stainless steel

Article-No.	d inch	h inch	Weight pounds
90171 5/8"UNC	1.2	1.6	0.22

Adapter for mounting of 2 wheel brushes



Description

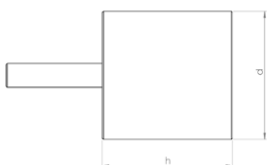
CNC fabricated adapter for mounting of 2 wheel brushes.
Mounting shaft Ø 12,7 mm
includes locking screw and cupped washer
NOTE: This adapter cannot be used to mount a single brush!

Specification

Stainless steel

Article-No.	d inch	h inch	Weight pounds
90146 5/8"UNC	0.8	1.3	0.11

Mounted point-cylindrical



Description

Corundum mounted point, for working on steel and cast iron.
NOTE: Only useable with adapter!

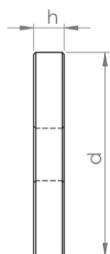
Specification

Corundum

Article-No.	d inch	h inch	Weight pounds
81002	1.3	1.3	0.17



Wheel brush Ø 45 mm



Description

Premium rotary wire brushes for finishing work on CIPP liners and PVC.

Mounting hole Ø 12,7 mm

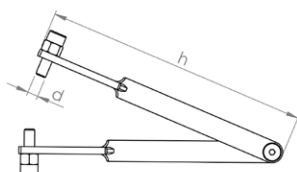
NOTE: May be used only with matching adapter! Packing unit: 2 pieces

Specification

Wire thickness: Ø 0,3 mm

Article-No.	d inch	h inch	Weight pounds
80025	1.8	0.3	0.11

Pin-tipped tongs for safe tool changeover



Description

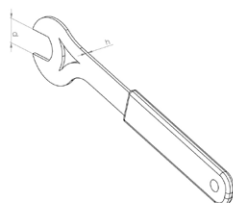
The tongs are fitted with pin (with adjustable gripping depth) which are inserted into the gripping holes of the milling tools, permitting safe changeover without risking damage to the tooling.

Specification

Steel

Article-No.	d inch	h inch	Weight pounds
92002	0.2	5.9	0.27

Open-end wrench 17 mm



Description

The flat design of the wrench is particularly well suited for milling tools with low base height.

Specification

Steel

Article-No.	d inch	h inch	Weight pounds
92001 SW17	0.7	0.1	0.17