

The background of the entire page is a large, 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 design is clean and industrial.

PRODUCT PROGRAM

Product catalog for
robots of the brand

IBG*

PRODUCT PROGRAM 2025

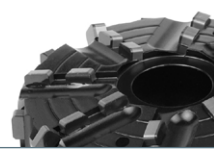
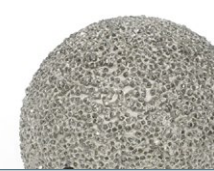


The tables of contents in this catalog are interactive. A click will lead you directly to the desired target page.

TABLE OF CONTENTS

Robot type	Page
IBG* HydroCut/eCUT 200*	3
IBG* HydruCUT/eCUT 100+150/HC2*	37
IBG* HydroCut/eCUT 60*	68



N•TEC II® PREMIUM 	Premium Diamond Tools for High-Performance Material Removal and Long Service Life Materials to be processed - Reinforced Concrete - Concrete - Deposits / Fouling - Cast Iron - Vitrified Clay Page 5
N•TEC II® 	Field-Proven Standard Diamond Tools with Outstanding Value for Purchase Investment Materials to be processed - Reinforced Concrete - Concrete - Deposits / Fouling - Cast Iron - Vitrified Clay Page 13
BLACK•LINE 	High-Tech Milling Tools made of PCD with Unbeatable Cutting and Stock Removal Performance for Almost Every Material Materials to be processed - Concrete - UV CIPP - Deposits / Fouling - Roots - PVC - Vitrified Clay - Felt CIPP Page 16
linerCUT Pro® 	Absolutely Smooth-Running and Precise PCD Cutting Tools for Opening CIPP - Optimized for UV CIPP - Materials to be processed - UV CIPP - PVC - Felt CIPP Page 23
linerCUT Pro® 2.0 	Absolutely Smooth-Running and Precise PCD Cutting Tools for Opening CIPP - All Kinds of CIPP and PVC - Materials to be processed - UV CIPP - PVC - Felt CIPP Page 27
D•GRIT 	Milling Tools with Diamond Granules for Opening CIPP - Optimal for UV CIPP and Lined Cast Iron Pipes - Materials to be processed - UV CIPP - PVC - Felt CIPP Page 28
HM•LINE 	Cost-Efficient Milling Tools with Carbide Granulate Tipping for Opening and Reworking CIPP Materials to be processed - UV CIPP - Roots - PVC - Felt CIPP Page 30



VHM•LINE



Special Milling Tools for Processing Steel and Cast Iron

Materials to be processed

- Cast Iron
- Steel

Page 32



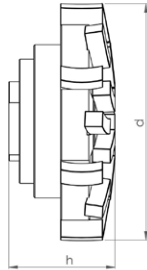
Functional Accessories

High-quality brushes, adapters, extensions, etc.

Page 33



Mushroom-head milling cutter spring-mounted



Materials to be processed

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

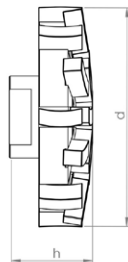
Field of Application

- 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 M14	8 - 12	3.5	1.6	21	1.54
20045 P M14	12 - 18	3.5	1.6	21	1.54
20046 P M14	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 M14	8 - 12	3.1	1.2	21	0.99
20007 P M14	12 - 18	3.1	1.2	21	0.99
20008 P M14	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

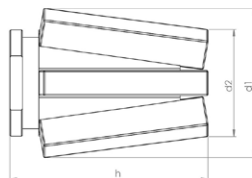
Field of Application

- 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 M14	8 - 12	2.8	1.2	18	0.77
20025 P M14	12 - 18	2.8	1.2	18	0.77
20026 P M14	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

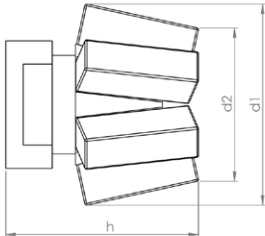
Field of Application

- Preparatory milling of laterals
- Removal of intruding laterals

Article-No.	d1 inch	d2 inch	h inch	Segments	Weight pounds
20013 P M14	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

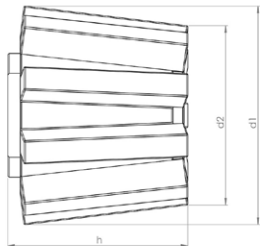
Field of Application

- Preparatory milling of laterals
- Removal of intruding laterals

Article-No.	d1 inch	d2 inch	h inch	Segments	Weight pounds
20027 P M14	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

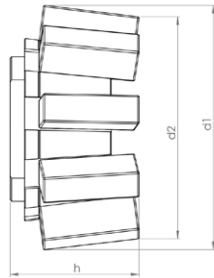
Field of Application

- Preparatory milling of laterals
- Removal of intruding laterals

Article-No.	d1 inch	d2 inch	h inch	Segments	Weight pounds
20004 P M14	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

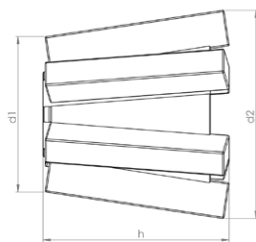
Field of Application

- Preparatory milling of laterals
- Removal of intruding laterals

Article-No.	d1 inch	d2 inch	h inch	Segments	Weight pounds
20001 P M14	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

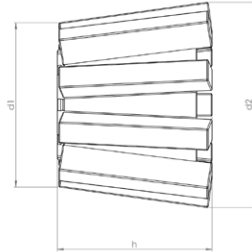
Field of Application

- Preparatory milling of laterals
- Removal of intruding laterals

Article-No.	d1 inch	d2 inch	h inch	Segments	Weight pounds
20043 P M14	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

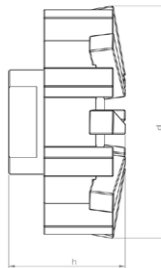
Field of Application

- Preparatory milling of laterals
- Removal of intruding laterals

Article-No.	d1 inch	d2 inch	h inch	Segments	Weight pounds
20039 P M14	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

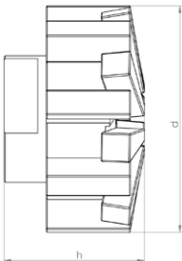
Field of Application

- Preparatory milling of laterals
- Removal of intruding laterals

Article-No.	d inch	h inch	Segments	Weight pounds
20015 P M14	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

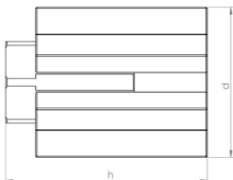
Field of Application

- Preparatory milling of laterals
- Removal of intruding laterals

Article-No.	d inch	h inch	Segments	Weight pounds
20047 P M14	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

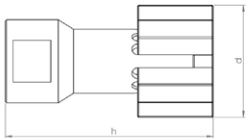
Field of Application

- Preparatory milling of cracks and sockets

Article-No.	d inch	h inch	Segments	Weight pounds
20048 P M14	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

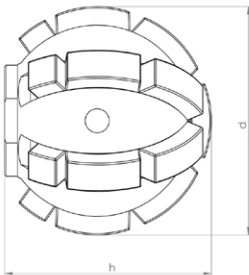
Field of Application

- Preparatory milling of cracks and sockets

Article-No.	d inch	h inch	Segments	Weight pounds
20003 P M14	1.2	2.2	5	0.22



Ball milling cutter



Materials to be processed

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

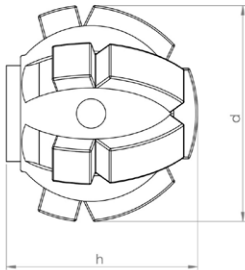
Field of Application

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

Article-No.	d inch	h inch	Segments	Weight pounds
20020 P M14	2.0	1.8	19	0.66



Ball milling cutter



Materials to be processed

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

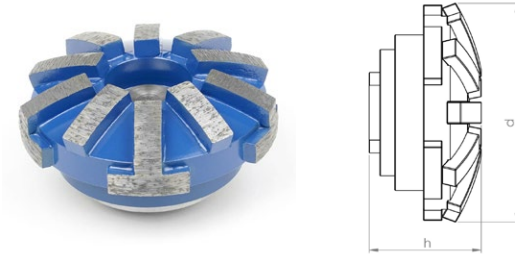
Field of Application

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

Article-No.	d inch	h inch	Segments	Weight pounds
20021 P M14	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 M14	8 - 12	3.1	1.7	15	1.65
20037 M14	12 - 18	3.1	1.7	15	1.65
20038 M14	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 M14	8 - 12	2.8	1.2	15	0.77
20032 M14	12 - 18	2.8	1.2	15	0.77
20033 M14	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

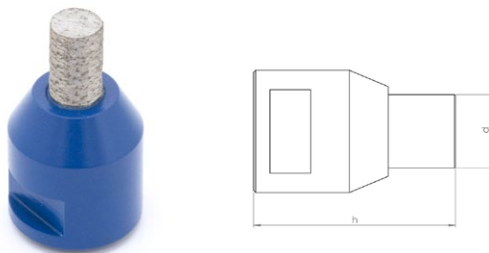
Field of Application

- 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 M14	8 - 12	2.8	1.2	10	0.66
21007 M14	12 - 18	2.8	1.2	10	0.66
21008 M14	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

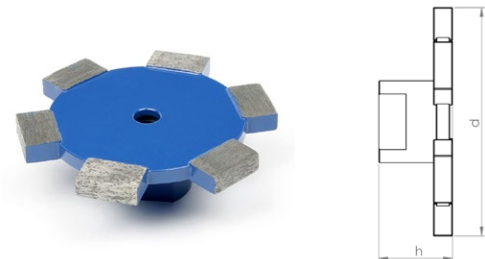
Field of Application

- Preparatory milling of cracks and sockets

Article-No.	d inch	h inch	Segments	Weight pounds
20009 M14	0.7	2.0	1	0.22



N•TEC II® Disk milling cutter



Materials to be processed

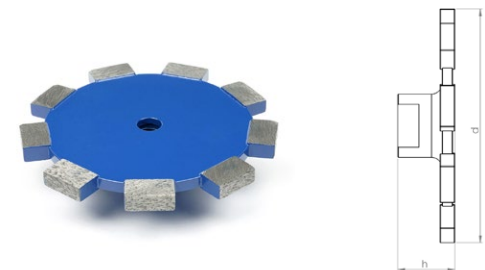
- Reinforced Concrete
- Concrete
- Vitrified Clay

Field of Application

- Milling of circumferential slots on laterals

Article-No.	d inch	h inch	Segments	Weight pounds
20041 M14	3.3	1.1	6	0.66

N•TEC II® Disk milling cutter



Materials to be processed

- Reinforced Concrete
- Concrete
- Vitrified Clay

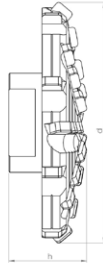
Field of Application

- Milling of circumferential slots on laterals

Article-No.	d inch	h inch	Segments	Weight pounds
20042 M14	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

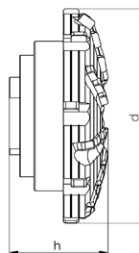
Note: Use on steel-reinforced concrete will destroy the cutting elements!

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 M14	8 - 18	2.5	1.0	28	0.44
BL 11401 M14	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!

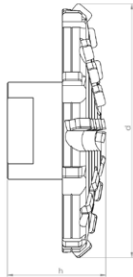
Field of Application

- 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 M14	8 - 12	3.1	1.5	32	1.54
BL 11459 M14	12 - 18	3.1	1.5	32	1.54
BL 11460 M14	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

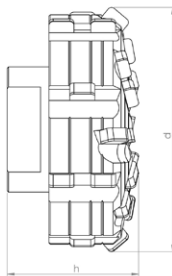
Note: Use on steel-reinforced concrete will destroy the cutting elements!

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 M14	8 - 18	2.6	1.1	30	0.44
BL 11402 M14	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!

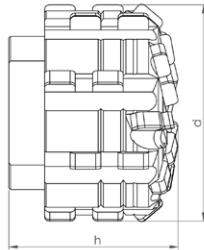
Field of Application

- 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 M14	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

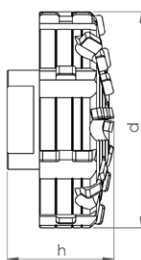
Note: Use on steel-reinforced concrete will destroy the cutting elements!

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 M14	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!

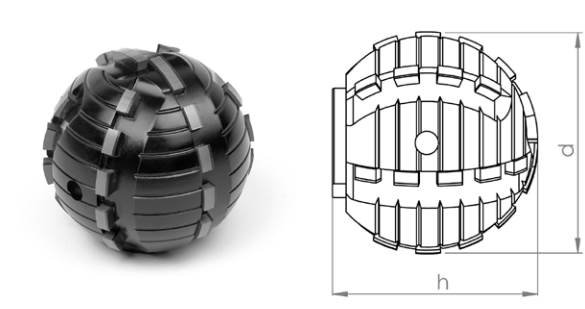
Field of Application

- 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 M14	2.8	1.3	34	0.88



BLACK-LINE Ball milling cutter



Materials to be processed

- UV CIPP
- PVC
- Roots
- Felt CIPP

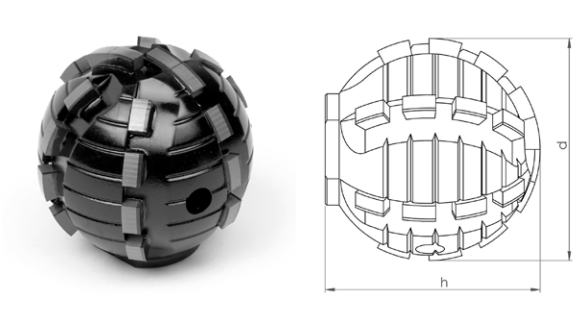
Note: Only suitable for processing CIPP liners and PVC and for cutting roots!

Field of Application

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

Article-No.	d inch	h inch	Segments	Weight pounds
BL 11410 M14	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!

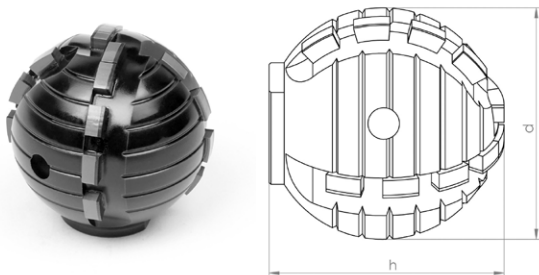
Field of Application

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

Article-No.	d inch	h inch	Segments	Weight pounds
BL 11446 M14	1.6	1.7	26	0.55



BLACK•LINE Ball milling cutter



Materials to be processed

- UV CIPP
- PVC
- Roots
- Felt CIPP

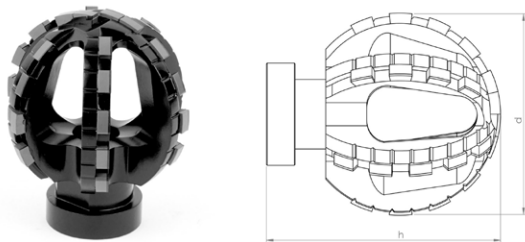
Note: Only suitable for processing CIPP liners and PVC and for cutting roots!

Field of Application

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

Article-No.	d inch	h inch	Segments	Weight pounds
BL 11414 M14	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!

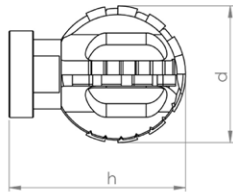
Field of Application

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

Article-No.	d inch	h inch	Segments	Weight pounds
BL 11116 M14	2.0	2.2	30	0.44



BLACK-LINE Ball milling cutter Type ProView®



Materials to be processed

- UV CIPP
- Roots
- PVC
- Felt CIPP

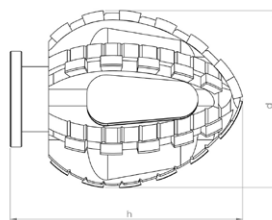
Note: Only suitable for processing CIPP liners and PVC and for cutting roots!

Field of Application

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

Article-No.	d inch	h inch	Segments	Weight pounds
BL 11117 M14	1.6	2.0	18	0.33

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!

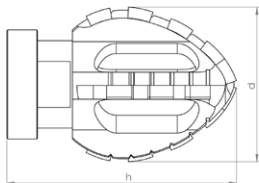
Field of Application

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

Article-No.	d inch	h inch	Segments	Weight pounds
BL 11113 M14	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!

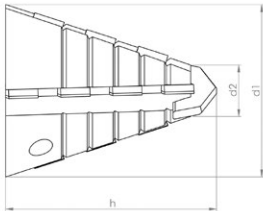
Field of Application

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

Article-No.	d inch	h inch	Segments	Weight pounds
BL 11118 M14	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

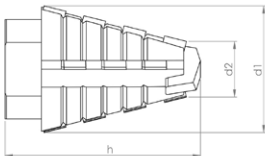
Note: Only suitable for processing CIPP liners and PVC!

Field of Application

- Opening of laterals and inlet lines

Article-No.	d1 inch	d2 inch	h inch	Segments	Weight pounds
BL 11463 M14	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!

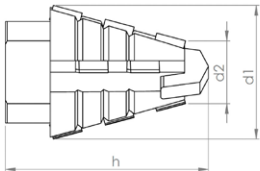
Field of Application

- Opening of laterals and inlet lines

Article-No.	d1 inch	d2 inch	h inch	Segments	Weight pounds
BL 11437 M14	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

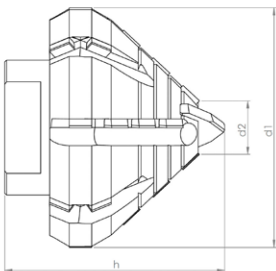
Note: Only suitable for processing CIPP liners and PVC!

Field of Application

- Opening of laterals and inlet lines

Article-No.	d1 inch	d2 inch	h inch	Segments	Weight pounds
BL 11438 M14	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!

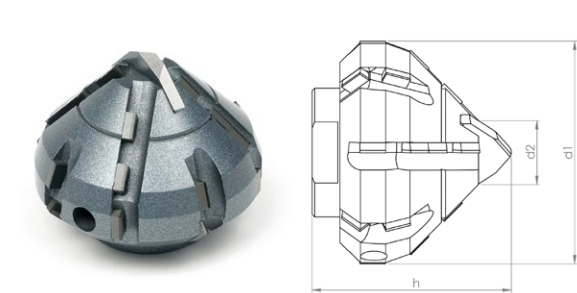
Field of Application

- Opening of laterals and inlet lines

Article-No.	d1 inch	d2 inch	h inch	Segments	Weight pounds
BL 11441 M14	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

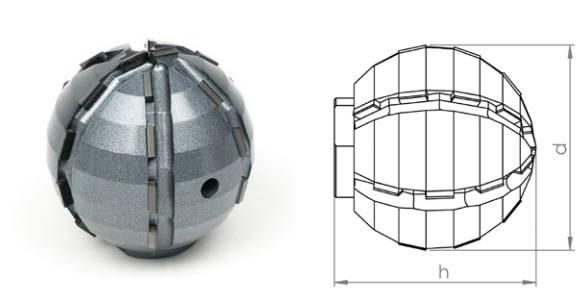
Note: Only suitable for processing CIPP liners and PVC!

Field of Application

- Opening of laterals and inlet lines

Article-No.	d1 inch	d2 inch	h inch	Segments	Weight pounds
BL 11439 M14	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!

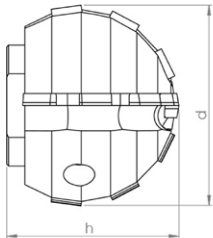
Field of Application

- Opening of laterals and inlet lines

Article-No.	d inch	h inch	Segments	Weight pounds
BL 11444 M14	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!

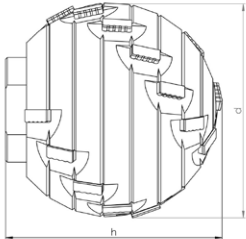
Field of Application

- Opening of laterals and inlet lines

Article-No.	d inch	h inch	Segments	Weight pounds
BL 11443 M14	1.6	1.4	12	0.44



linerCUT Pro® 2.0 Ball milling cutter



Materials to be processed

- UV CIPP
- Felt CIPP
- PVC

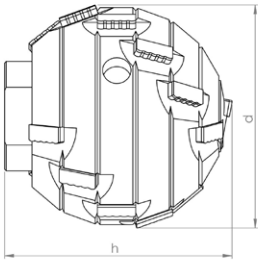
Note: Only suitable for processing CIPP liners and PVC!

Field of Application

- Opening of laterals and inlet lines

Article-No.	d inch	h inch	Segments	Weight pounds
BL 11449 M14	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!

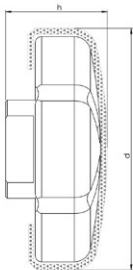
Field of Application

- Opening of laterals and inlet lines

Article-No.	d inch	h inch	Segments	Weight pounds
BL 11448 M14	1.6	1.6	18	0.55



D•GRIT Inlet milling cutter



Materials to be processed

- UV CIPP
- Felt CIPP
- PVC

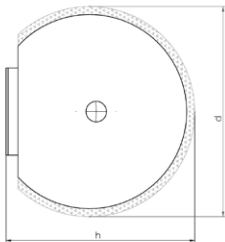
Note: Only suitable for processing CIPP liners and PVC!

Field of Application

- Opening of laterals and inlet lines
- CIPP liner finishing

Article-No.	d inch	h inch	Grit	Weight pounds
70011 M14	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!

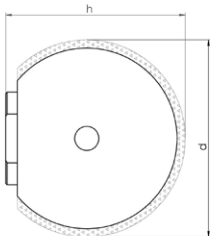
Field of Application

- Opening of laterals and inlet lines
- CIPP liner finishing

Article-No.	d inch	h inch	Grit	Weight pounds
70002 M14	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!

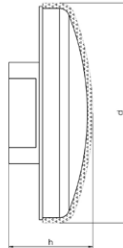
Field of Application

- Opening of laterals and inlet lines
- CIPP liner finishing

Article-No.	d inch	h inch	Grit	Weight pounds
70001 M14	1.6	1.5	Diamond	0.55



HM•LINE Mushroom-head milling cutter



Materials to be processed

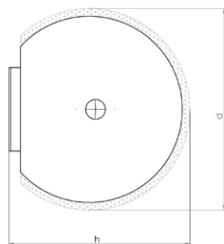
- UV CIPP
- Roots
- PVC
- Felt CIPP

Field of Application

- Removal of intruding obstacles
- CIPP liner finishing

Article-No.	d inch	h inch	Grit	Weight pounds
50003 M14	2.6	1.2	Carbide	0.66

HM•LINE Ball milling cutter



Materials to be processed

- UV CIPP
- Roots
- PVC
- Felt CIPP

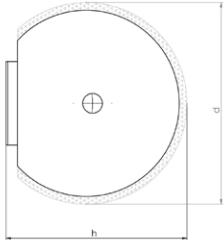
Field of Application

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

Article-No.	d inch	h inch	Grit	Weight pounds
50001 M14	2.0	2.0	Carbide	1.32



HM•LINE Ball milling cutter



Materials to be processed

- UV CIPP
- PVC
- Roots
- Felt CIPP

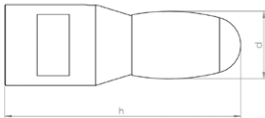
Field of Application

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

Article-No.	d inch	h inch	Grit	Weight pounds
50002 M14	1.6	1.7	Carbide	0.66



VHM•LINE oval shaped



Materials to be processed

- Cast Iron
- Steel

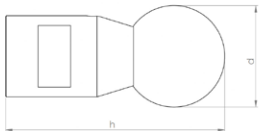
Note: Use on concrete or vitrified clay will destroy the cutting elements!

Field of Application

- Removal of intruding obstacles

Article-No.	d inch	h inch	Segments	Weight pounds
60007 M14	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!

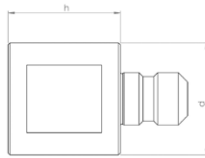
Field of Application

- Removal of intruding obstacles

Article-No.	d inch	h inch	Segments	Weight pounds
60008 M14	1.0	2.4	1	0.33



Extension 30 mm



Description

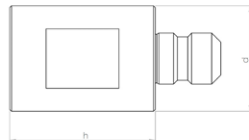
CNC fabricated tool extension for increased working radius of robot arm.

Specification

Stainless steel

Article-No.	d inch	h inch	Weight pounds
90120 M14	1.2	1.2	0.33

Extension 40 mm



Description

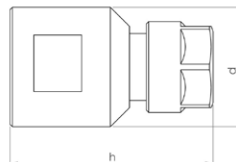
CNC fabricated tool extension for increased working radius of robot arm.

Specification

Stainless steel

Article-No.	d inch	h inch	Weight pounds
90121 M14	1.2	1.6	0.44

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"

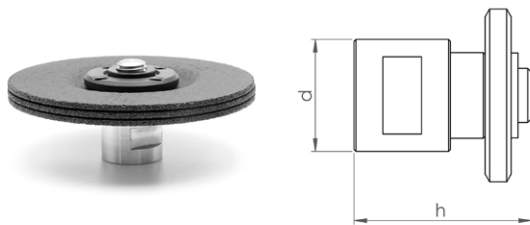
Specification

Stainless steel

Article-No.	d inch	h inch	Weight pounds
90171 M14	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

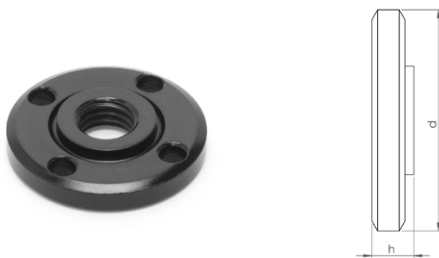
NOTE: This adapter cannot be used to mount a single cutting disc!

Specification

Stainless steel

Article-No.	d inch	h inch	Weight pounds
90168 M14	1.2	1.8	0.44

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

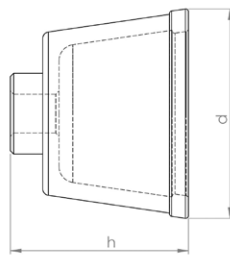
Corundum cup wheel, for working on steel and cast iron.
Mounting hole Ø 22,2 mm
NOTE: May be used only with matching adapter and locking disc!

Specification

Corundum

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

Cup brush Ø 65 mm



Description

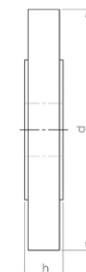
Premium rotary wire brush for finishing work on CIPP liners and PVC.
Mounting hole M14 (14 mm thread O.D.)
NOTE: May be used only with matching adapter!

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!

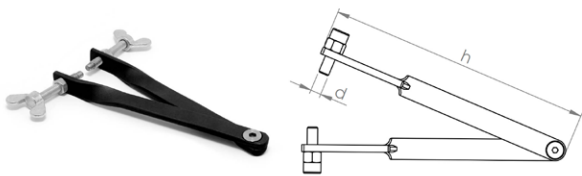
Specification

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

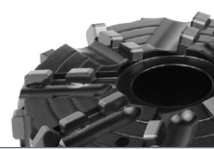
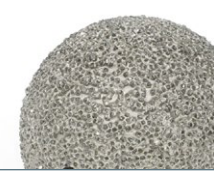
The tongs are fitted with pin (with adjustable gripping depth) witch are inserted into the gripping holes of the milling tools, permitting safe changeover without risking damage to the tooling.

Specification

Steel

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



N•TEC II® PREMIUM 	Premium Diamond Tools for High-Performance Material Removal and Long Service Life Materials to be processed - Reinforced Concrete - Concrete - Deposits / Fouling - Cast Iron - Vitrified Clay Page 39
N•TEC II® 	Field-Proven Standard Diamond Tools with Outstanding Value for Purchase Investment Materials to be processed - Reinforced Concrete - Concrete - Deposits / Fouling - Cast Iron - Vitrified Clay Page 44
BLACK•LINE 	High-Tech Milling Tools made of PCD with Unbeatable Cutting and Stock Removal Performance for Almost Every Material Materials to be processed - Concrete - UV CIPP - Deposits / Fouling - Roots - PVC - Vitrified Clay - Felt CIPP Page 50
linerCUT Pro® 	Absolutely Smooth-Running and Precise PCD Cutting Tools for Opening CIPP - Optimized for UV CIPP - Materials to be processed - UV CIPP - PVC - Felt CIPP Page 56
linerCUT Pro® 2.0 	Absolutely Smooth-Running and Precise PCD Cutting Tools for Opening CIPP - All Kinds of CIPP and PVC - Materials to be processed - UV CIPP - PVC - Felt CIPP Page 59
D•GRIT 	Milling Tools with Diamond Granules for Opening CIPP - Optimal for UV CIPP and Lined Cast Iron Pipes - Materials to be processed - UV CIPP - PVC - Felt CIPP Page 60
HM•LINE 	Cost-Efficient Milling Tools with Carbide Granulate Tipping for Opening and Reworking CIPP Materials to be processed - UV CIPP - Roots - PVC - Felt CIPP Page 61



VHM•LINE



Special Milling Tools for Processing Steel and Cast Iron

Materials to be processed

- Cast Iron
- Steel

Page 63



Functional Accessories

High-quality brushes, adapters, extensions, etc.

Page 64



Mushroom-head milling cutter machined for minimum runout



Materials to be processed

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

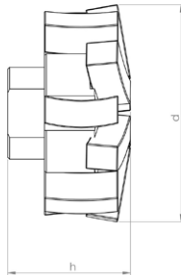
Field of Application

- 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 M14	8 - 12	2.8	1.2	18	0.77
20025 P M14	12 - 18	2.8	1.2	18	0.77
20026 P M14	18 - 24	2.8	1.2	18	0.77



Mushroom-head milling cutter machined for minimum runout



Materials to be processed

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

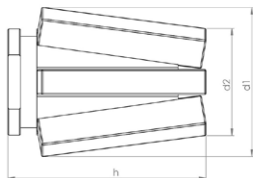
Field of Application

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

Article-No.	d inch	h inch	Segments	Weight pounds
20040 P M14	1.8	1.2	12	0.26



Tapered milling cutter machined for minimum runout



Materials to be processed

- Reinforced Concrete
- Concrete
- Cast Iron
- Vitrified Clay

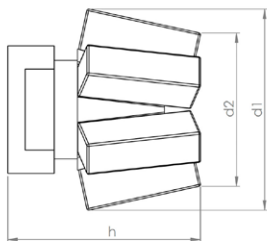
Field of Application

- Preparatory milling of laterals
- Removal of intruding laterals

Article-No.	d1 inch	d2 inch	h inch	Segments	Weight pounds
20013 P M14	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

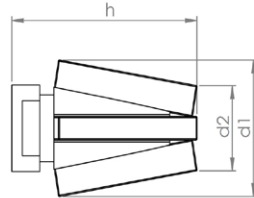
Field of Application

- Preparatory milling of laterals
- Removal of intruding laterals

Article-No.	d1 inch	d2 inch	h inch	Segments	Weight pounds
20027 P M14	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

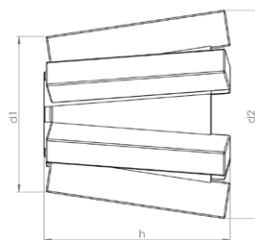
Field of Application

- Preparatory milling of laterals
- Removal of intruding laterals
- Preparatory milling of cracks and sockets

Article-No.	d1 inch	d2 inch	h inch	Segments	Weight pounds
20017 P M14	1.3	0.9	2.1	4	0.22



V-shape milling cutter machined for minimum runout



Materials to be processed

- Reinforced Concrete
- Concrete
- Cast Iron
- Vitrified Clay

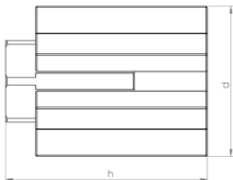
Field of Application

- Preparatory milling of laterals
- Removal of intruding laterals

Article-No.	d1 inch	d2 inch	h inch	Segments	Weight pounds
20043 P M14	1.4	1.8	1.7	6	0.33



Finger milling cutter machined for minimum runout



Materials to be processed

- Reinforced Concrete
- Concrete
- Cast Iron
- Vitrified Clay

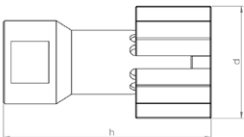
Field of Application

- Preparatory milling of cracks and sockets

Article-No.	d inch	h inch	Segments	Weight pounds
20048 P M14	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

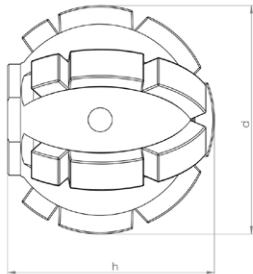
Field of Application

- Preparatory milling of cracks and sockets

Article-No.	d inch	h inch	Segments	Weight pounds
20003 P M14	1.2	2.2	5	0.22



Ball milling cutter



Materials to be processed

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

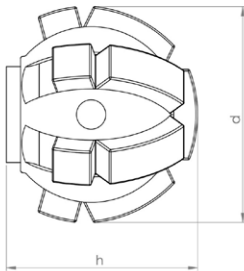
Field of Application

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

Article-No.	d inch	h inch	Segments	Weight pounds
20020 P M14	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 M14	1.6	1.5	13	0.44



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 M14	8 - 12	2.8	1.2	15	0.77
20032 M14	12 - 18	2.8	1.2	15	0.77
20033 M14	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

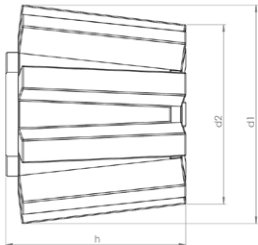
- Removal of intruding laterals
- Surface grinding and milling
- Milling of offset socket transitions

Article-No.	Pipe Ø inch	d inch	h inch	Segments	Weight pounds
20006 M14	8 - 12	2.8	1.2	10	0.66
20007 M14	12 - 18	2.8	1.2	10	0.66
20008 M14	18 - 24	2.8	1.2	10	0.66

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



N•TEC II® Tapered milling cutter



Materials to be processed

- Reinforced Concrete
- Concrete
- Cast Iron
- Vitrified Clay

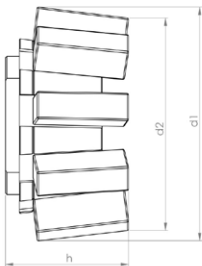
Field of Application

- Preparatory milling of laterals
- Removal of intruding laterals

Article-No.	d1 inch	d2 inch	h inch	Segments	Weight pounds
20004 M14	2.0	1.7	1.6	9	0.66

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

N•TEC II® Tapered milling cutter



Materials to be processed

- Reinforced Concrete
- Concrete
- Cast Iron
- Vitrified Clay

Field of Application

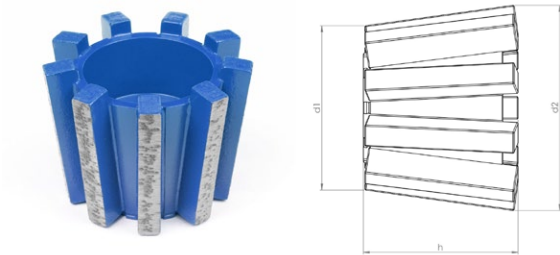
- Preparatory milling of laterals
- Removal of intruding laterals

Article-No.	d1 inch	d2 inch	h inch	Segments	Weight pounds
20001 M14	2.0	1.8	1.0	9	0.44

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



N•TEC II® V-shape milling cutter



Materials to be processed

- Reinforced Concrete
- Concrete
- Cast Iron
- Vitrified Clay

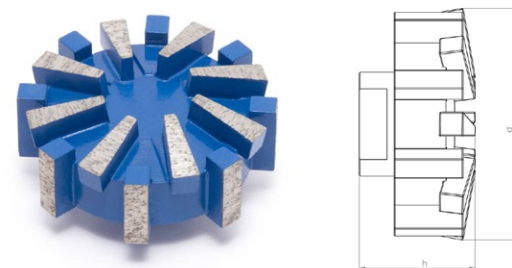
Field of Application

- Preparatory milling of laterals
- Removal of intruding laterals

Article-No.	d1 inch	d2 inch	h inch	Segments	Weight pounds
20039 M14	1.7	2.0	1.6	9	0.66

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

N•TEC II® Inlet milling cutter



Materials to be processed

- Reinforced Concrete
- Concrete
- Cast Iron
- Vitrified Clay

Field of Application

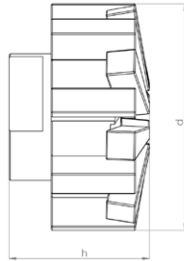
- Preparatory milling of laterals
- Removal of intruding laterals

Article-No.	d inch	h inch	Segments	Weight pounds
20015 M14	2.7	1.3	16	0.88

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



N•TEC II® Inlet milling cutter



Materials to be processed

- Reinforced Concrete
- Concrete
- Cast Iron
- Vitrified Clay

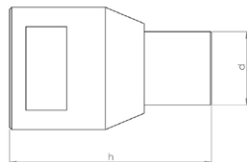
Field of Application

- Preparatory milling of laterals
- Removal of intruding laterals

Article-No.	d inch	h inch	Segments	Weight pounds
20047 M14	2.2	1.4	16	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

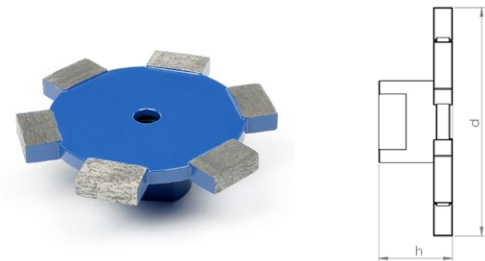
Field of Application

- Preparatory milling of cracks and sockets

Article-No.	d inch	h inch	Segments	Weight pounds
20009 M14	0.7	2.0	1	0.22



N•TEC II® Disk milling cutter



Materials to be processed

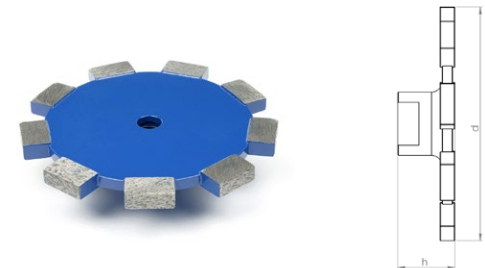
- Reinforced Concrete
- Concrete
- Vitrified Clay

Field of Application

- Milling of circumferential slots on laterals

Article-No.	d inch	h inch	Segments	Weight pounds
20041 M14	3.3	1.1	6	0.66

N•TEC II® Disk milling cutter



Materials to be processed

- Reinforced Concrete
- Concrete
- Vitrified Clay

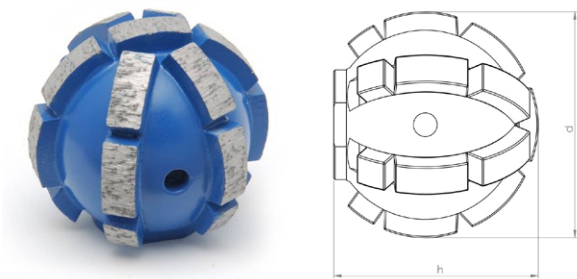
Field of Application

- Milling of circumferential slots on laterals

Article-No.	d inch	h inch	Segments	Weight pounds
20042 M14	4.3	1.1	9	0.99



N•TEC II® Ball milling cutter



Materials to be processed

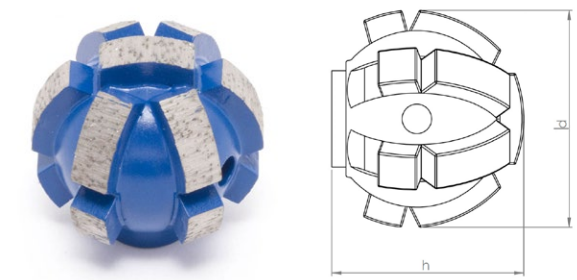
- Reinforced Concrete
- Concrete
- Deposits / Fouling
- Cast Iron
- Vitrified Clay

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 M14	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

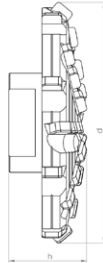
Field of Application

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

Article-No.	d inch	h inch	Segments	Weight pounds
20021 M14	1.6	1.5	13	0.44



BLACK-LINE Mushroom-head milling cutter



Materials to be processed

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

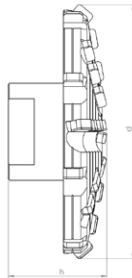
Note: Use on steel-reinforced concrete will destroy the cutting elements!

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 M14	8 - 18	2.5	1.0	28	0.44
BL 11401 M14	12 - 24	3.0	1.1	32	0.55

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!

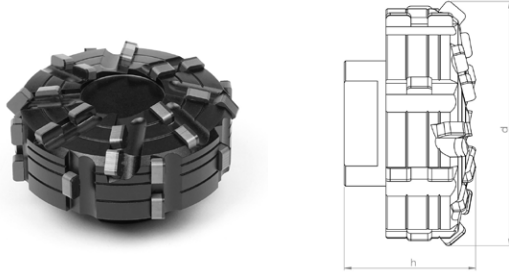
Field of Application

- 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 M14	8 - 18	2.6	1.1	30	0.44
BL 11402 M14	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

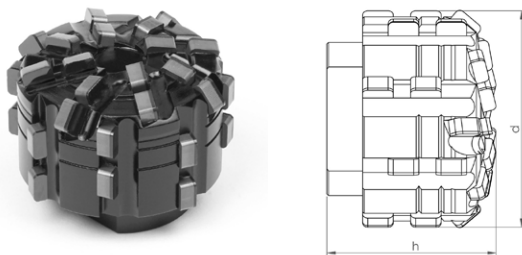
Note: Use on steel-reinforced concrete will destroy the cutting elements!

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 M14	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!

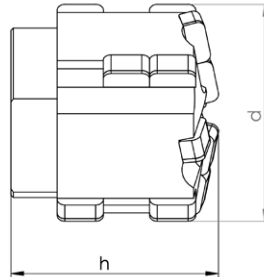
Field of Application

- 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 M14	1.8	1.3	32	0.44



BLACK-LINE Cylinder milling cutter



Materials to be processed

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

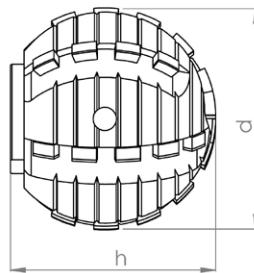
Note: Use on steel-reinforced concrete will destroy the cutting elements!

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 11464 M14	1.2	0.9	14	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!

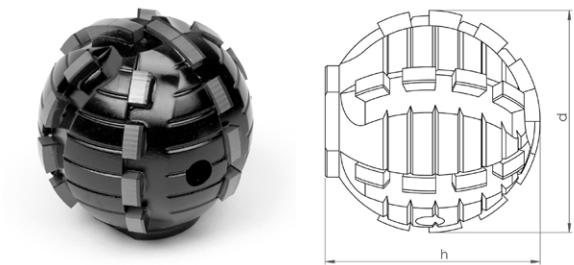
Field of Application

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

Article-No.	d inch	h inch	Segments	Weight pounds
BL 11410 M14	2.0	1.8	30	0.88



BLACK-LINE Ball milling cutter



Materials to be processed

- UV CIPP
- PVC
- Roots
- Felt CIPP

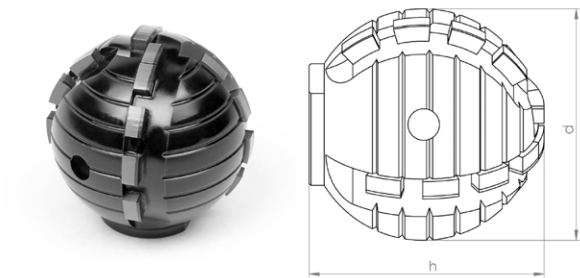
Note: Only suitable for processing CIPP liners and PVC and for cutting roots!

Field of Application

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

Article-No.	d inch	h inch	Segments	Weight pounds
BL 11446 M14	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!

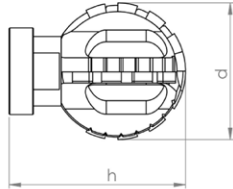
Field of Application

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

Article-No.	d inch	h inch	Segments	Weight pounds
BL 11414 M14	1.6	1.7	18	0.55



BLACK-LINE Ball milling cutter Type ProView®



Materials to be processed

- UV CIPP
- PVC
- Roots
- Felt CIPP

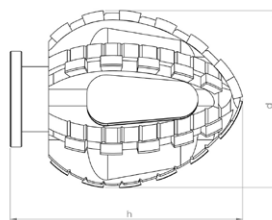
Note: Only suitable for processing CIPP liners and PVC and for cutting roots!

Field of Application

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

Article-No.	d inch	h inch	Segments	Weight pounds
BL 11117 M14	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!

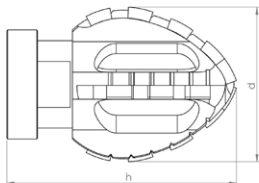
Field of Application

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

Article-No.	d inch	h inch	Segments	Weight pounds
BL 11113 M14	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!

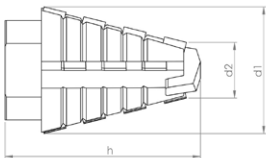
Field of Application

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

Article-No.	d inch	h inch	Segments	Weight pounds
BL 11118 M14	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

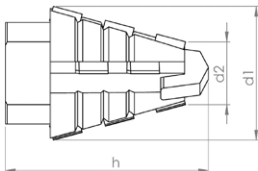
Note: Only suitable for processing CIPP liners and PVC!

Field of Application

- Opening of laterals and inlet lines

Article-No.	d1 inch	d2 inch	h inch	Segments	Weight pounds
BL 11437 M14	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!

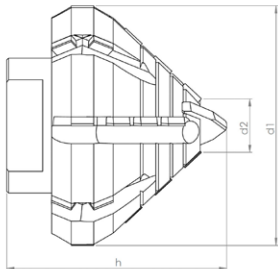
Field of Application

- Opening of laterals and inlet lines

Article-No.	d1 inch	d2 inch	h inch	Segments	Weight pounds
BL 11438 M14	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

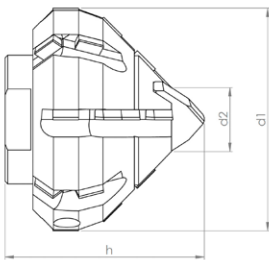
Note: Only suitable for processing CIPP liners and PVC!

Field of Application

- Opening of laterals and inlet lines

Article-No.	d1 inch	d2 inch	h inch	Segments	Weight pounds
BL 11441 M14	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!

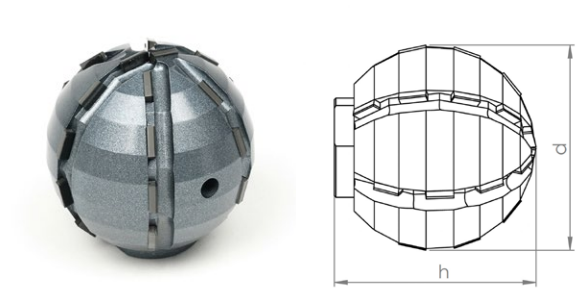
Field of Application

- Opening of laterals and inlet lines

Article-No.	d1 inch	d2 inch	h inch	Segments	Weight pounds
BL 11439 M14	1.8	0.8	1.6	22	0.44



linerCUT Pro® Ball milling cutter



Materials to be processed

- UV CIPP
- Felt CIPP
- PVC

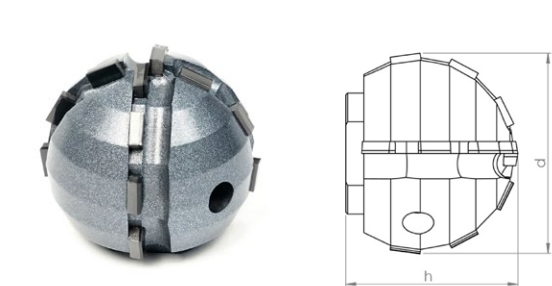
Note: Only suitable for processing CIPP liners and PVC!

Field of Application

- Opening of laterals and inlet lines

Article-No.	d inch	h inch	Segments	Weight pounds
BL 11444 M14	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!

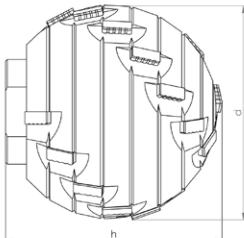
Field of Application

- Opening of laterals and inlet lines

Article-No.	d inch	h inch	Segments	Weight pounds
BL 11443 M14	1.6	1.4	12	0.44



linerCUT Pro® 2.0 Ball milling cutter



Materials to be processed

- UV CIPP
- Felt CIPP
- PVC

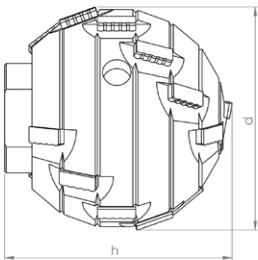
Note: Only suitable for processing CIPP liners and PVC!

Field of Application

- Opening of laterals and inlet lines

Article-No.	d inch	h inch	Segments	Weight pounds
BL 11449 M14	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

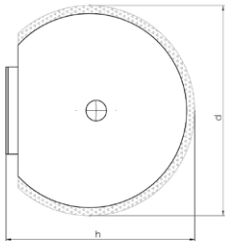
- Opening of laterals and inlet lines

Article-No.	d inch	h inch	Segments	Weight pounds
BL 11448 M14	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!

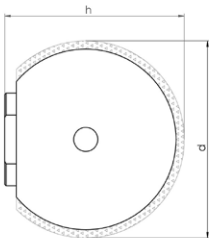
Field of Application

- Opening of laterals and inlet lines
- CIPP liner finishing

Article-No.	d inch	h inch	Grit	Weight pounds
70002 M14	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!

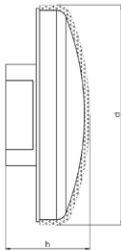
Field of Application

- Opening of laterals and inlet lines
- CIPP liner finishing

Article-No.	d inch	h inch	Grit	Weight pounds
70001 M14	1.6	1.5	Diamond	0.55



HM•LINE Mushroom-head milling cutter



Materials to be processed

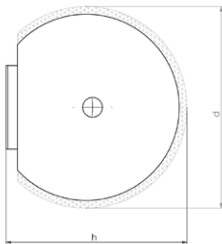
- UV CIPP
- PVC
- Roots
- Felt CIPP

Field of Application

- Removal of intruding obstacles
- CIPP liner finishing

Article-No.	d inch	h inch	Grit	Weight pounds
50003 M14	2.6	1.2	Carbide	0.66

HM•LINE Ball milling cutter



Materials to be processed

- UV CIPP
- PVC
- Roots
- Felt CIPP

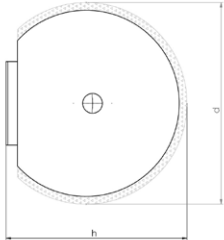
Field of Application

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

Article-No.	d inch	h inch	Grit	Weight pounds
50001 M14	2.0	2.0	Carbide	1.32



HM•LINE Ball milling cutter



Materials to be processed

- UV CIPP
- PVC
- Roots
- Felt CIPP

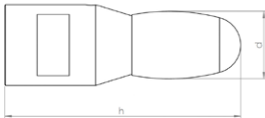
Field of Application

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

Article-No.	d inch	h inch	Grit	Weight pounds
50002 M14	1.6	1.7	Carbide	0.66



VHM•LINE oval shaped



Materials to be processed

- Cast Iron
- Steel

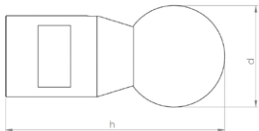
Note: Use on concrete or vitrified clay will destroy the cutting elements!

Field of Application

- Removal of intruding obstacles

Article-No.	d inch	h inch	Segments	Weight pounds
60007 M14	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!

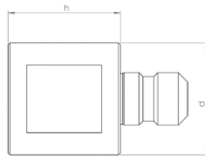
Field of Application

- Removal of intruding obstacles

Article-No.	d inch	h inch	Segments	Weight pounds
60008 M14	1.0	2.4	1	0.33



Extension 30 mm



Description

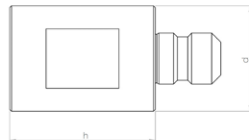
CNC fabricated tool extension for increased working radius of robot arm.

Specification

Stainless steel

Article-No.	d inch	h inch	Weight pounds
90120 M14	1.2	1.2	0.33

Extension 40 mm



Description

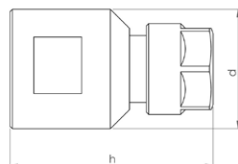
CNC fabricated tool extension for increased working radius of robot arm.

Specification

Stainless steel

Article-No.	d inch	h inch	Weight pounds
90121 M14	1.2	1.6	0.44

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"

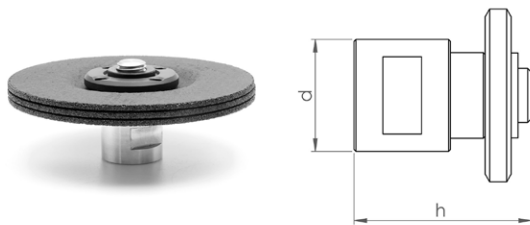
Specification

Stainless steel

Article-No.	d inch	h inch	Weight pounds
90171 M14	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

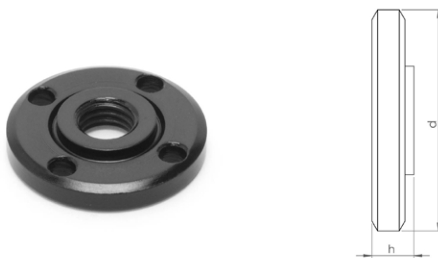
NOTE: This adapter cannot be used to mount a single cutting disc!

Specification

Stainless steel

Article-No.	d inch	h inch	Weight pounds
90168 M14	1.2	1.8	0.44

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!

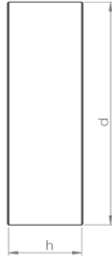
Specification

Corundum

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



Cup wheel Ø 80 mm



Description

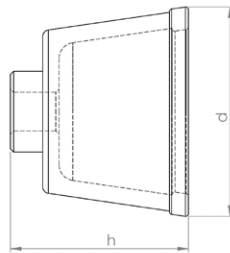
Corundum cup wheel, for working on steel and cast iron.
Mounting hole Ø 22,2 mm
NOTE: May be used only with matching adapter and locking disc!

Specification

Corundum

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

Cup brush Ø 65 mm



Description

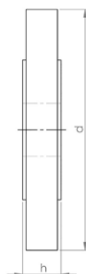
Premium rotary wire brush for finishing work on CIPP liners and PVC.
Mounting hole M14 (14 mm thread O.D.)
NOTE: May be used only with matching adapter!

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!

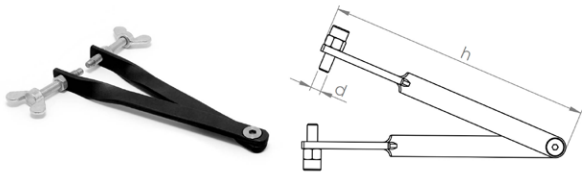
Specification

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

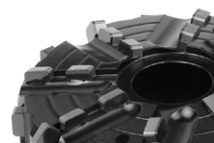
The tongs are fitted with pin (with adjustable gripping depth) witch are inserted into the gripping holes of the milling tools, permitting safe changeover without risking damage to the tooling.

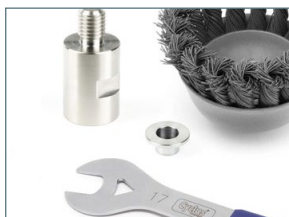
Specification

Steel

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



N•TEC II® 	Field-Proven Standard Diamond Tools with Outstanding Value for Purchase Investment Materials to be processed - Reinforced Concrete - Concrete - Deposits / Fouling - Cast Iron - Vitrified Clay Page 70
BLACK•LINE 	High-Tech Milling Tools made of PCD with Unbeatable Cutting and Stock Removal Performance for Almost Every Material Materials to be processed - UV CIPP - Roots - PVC - Felt CIPP Page 72
linerCUT Pro® 	Absolutely Smooth-Running and Precise PCD Cutting Tools for Opening CIPP - Optimized for UV CIPP - Materials to be processed - UV CIPP - PVC - Felt CIPP Page 75
linerCUT Pro® 2.0 	Absolutely Smooth-Running and Precise PCD Cutting Tools for Opening CIPP - All Kinds of CIPP and PVC - Materials to be processed - UV CIPP - PVC - Felt CIPP Page 76
D•GRIT 	Milling Tools with Diamond Granules for Opening CIPP - Optimal for UV CIPP and Lined Cast Iron Pipes - Materials to be processed - UV CIPP - PVC - Felt CIPP Page 77
HM•LINE 	Cost-Efficient Milling Tools with Carbide Granulate Tipping for Opening and Reworking CIPP Materials to be processed - UV CIPP - Roots - PVC - Felt CIPP Page 78
VHM•LINE 	Special Milling Tools for Processing Steel and Cast Iron Materials to be processed - Cast Iron - Steel Page 80



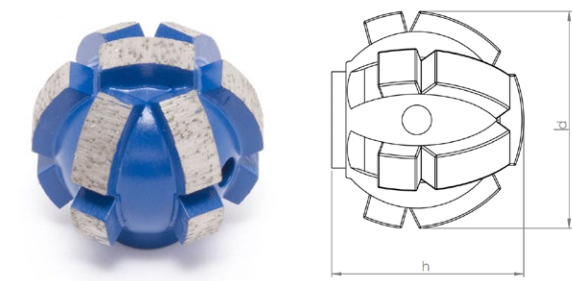
Functional Accessories

High-quality brushes, adapters, extensions, etc.

Page 81



N•TEC II® Ball milling cutter



Materials to be processed

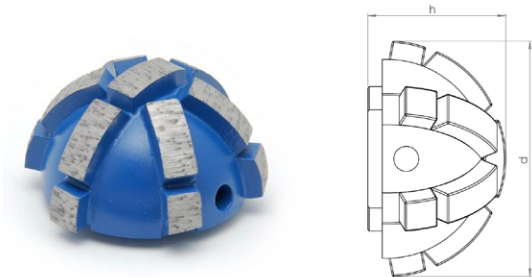
- Reinforced Concrete
- Concrete
- Deposits / Fouling
- Cast Iron
- Vitrified Clay

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 M14	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

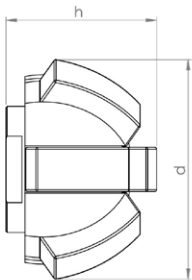
Field of Application

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

Article-No.	d inch	h inch	Segments	Weight pounds
20034 M14	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

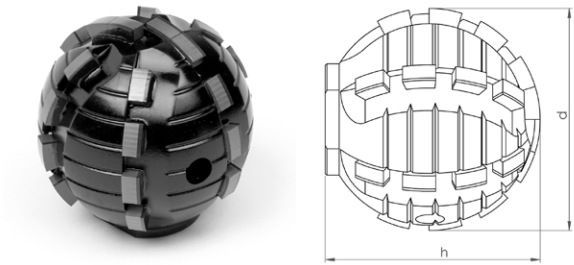
Field of Application

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

Article-No.	d inch	h inch	Segments	Weight pounds
20035 M14	1.4	1.0	7	0.22



BLACK-LINE Ball milling cutter



Materials to be processed

- UV CIPP
- PVC
- Roots
- Felt CIPP

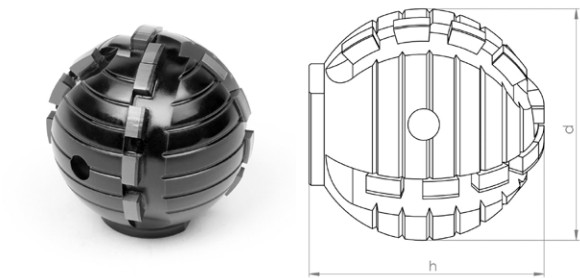
Note: Only suitable for processing CIPP liners and PVC and for cutting roots!

Field of Application

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

Article-No.	d inch	h inch	Segments	Weight pounds
BL 11446 M14	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!

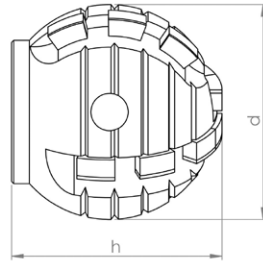
Field of Application

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

Article-No.	d inch	h inch	Segments	Weight pounds
BL 11414 M14	1.6	1.7	18	0.55



BLACK-LINE Ball milling cutter



Materials to be processed

- UV CIPP
- PVC
- Roots
- Felt CIPP

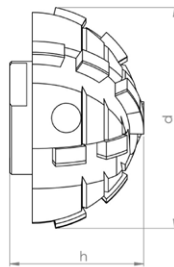
Note: Use on steel-reinforced concrete will destroy the cutting elements!

Field of Application

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

Article-No.	d inch	h inch	Segments	Weight pounds
BL 11408 M14	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!

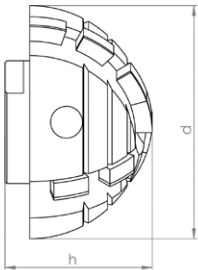
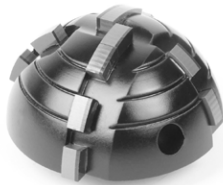
Field of Application

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

Article-No.	d inch	h inch	Segments	Weight pounds
BL 11465 M14	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!

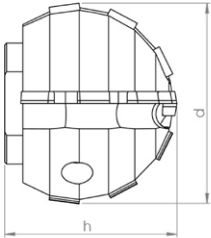
Field of Application

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

Article-No.	d inch	h inch	Segments	Weight pounds
BL 11428 M14	1.6	1.0	12	0.15



linerCUT Pro® Ball milling cutter



Materials to be processed

- UV CIPP
- Felt CIPP
- PVC

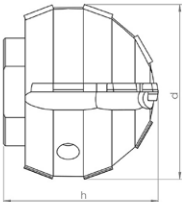
Note: Only suitable for processing CIPP liners and PVC!

Field of Application

- Opening of laterals and inlet lines

Article-No.	d inch	h inch	Segments	Weight pounds
BL 11443 M14	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!

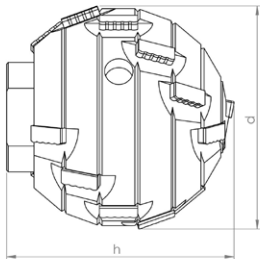
Field of Application

- Opening of laterals and inlet lines

Article-No.	d inch	h inch	Segments	Weight pounds
BL 11442 M14	1.2	1.1	14	0.22



linerCUT Pro® 2.0 Ball milling cutter



Materials to be processed

- UV CIPP
- Felt CIPP
- PVC

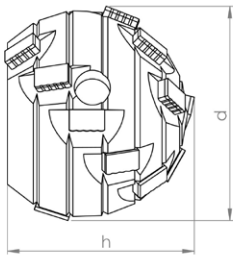
Note: Only suitable for processing CIPP liners and PVC!

Field of Application

- Opening of laterals and inlet lines

Article-No.	d inch	h inch	Segments	Weight pounds
BL 11448 M14	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

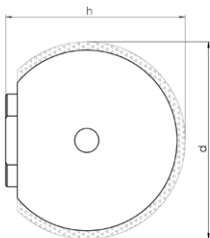
- Opening of laterals and inlet lines

Article-No.	d inch	h inch	Segments	Weight pounds
BL 11447 M14	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!

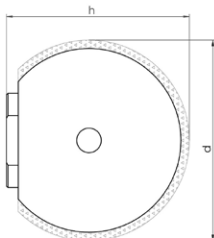
Field of Application

- Opening of laterals and inlet lines
- CIPP liner finishing

Article-No.	d inch	h inch	Grit	Weight pounds
70001 M14	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!

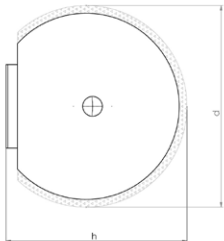
Field of Application

- Opening of laterals and inlet lines
- CIPP liner finishing

Article-No.	d inch	h inch	Grit	Weight pounds
70003 M14	1.2	1.2	Diamond	0.33



HM•LINE Ball milling cutter



Materials to be processed

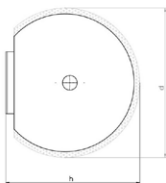
- UV CIPP
- PVC
- Roots
- Felt CIPP

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 M14	1.6	1.7	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
50005 M14	1.2	1.3	Carbide	0.33



HM•LINE Half-ball milling cutter



Materials to be processed

- UV CIPP
- PVC
- Roots
- Felt CIPP

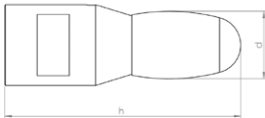
Field of Application

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

Article-No.	d inch	h inch	Grit	Weight pounds
50004 M14	1.6	1.2	Carbide	0.33



VHM•LINE oval shaped



Materials to be processed

- Cast Iron
- Steel

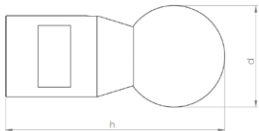
Note: Use on concrete or vitrified clay will destroy the cutting elements!

Field of Application

- Removal of intruding obstacles

Article-No.	d inch	h inch	Segments	Weight pounds
60001 M14	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!

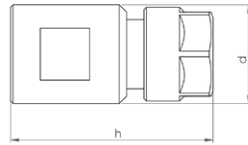
Field of Application

- Removal of intruding obstacles

Article-No.	d inch	h inch	Segments	Weight pounds
60002 M14	1.0	2.2	1	0.33



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



Description

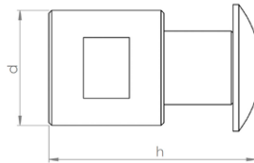
CNC fabricated collet chuck adapter for mounting commercially available shank tools.
e.g. burrs, brushes, flap grinders etc...
Mounting: Shank Ø 1/4"

Specification

Stainless steel

Article-No.	d inch	h inch	Weight pounds
90172 M14	0.8	1.6	0.15

Adapter for mounting of 2 wheel brushes



Description

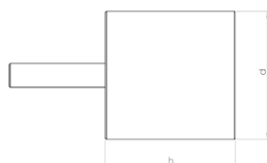
CNC fabricated adapter for mounting of 2 wheel brushes.
Mounting shaft Ø 12,7 mm
includes locking screw and cupped washer
NOTE: This adapter cannot be used to mount a single brush!

Specification

Stainless steel

Article-No.	d inch	h inch	Weight pounds
90143 M14	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!

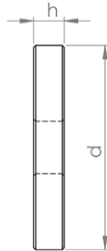
Specification

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

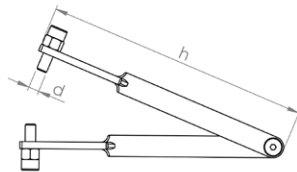
NOTE: May be used only with matching adapter! Packing unit: 2 pieces

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

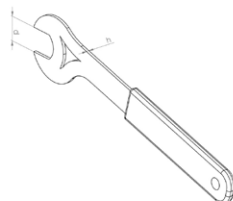
The tongs are fitted with pin (with adjustable gripping depth) which are inserted into the gripping holes of the milling tools, permitting safe changeover without risking damage to the tooling.

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