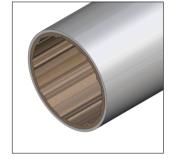
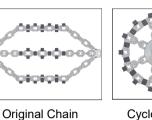


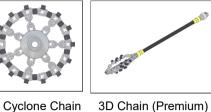
DRAIN CLEANING QUICK GUIDE **MICRO & MINI MILLER**

Issue Date: March 2020

Cast Iron Pipes







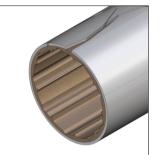


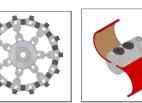
Smart Cutter[™]



Mini Smart Sweeper

INTACT





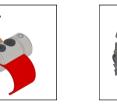
Cyclone Chain



Smart Cutter[™] Mini Smart Sweeper









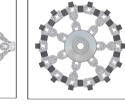
Mini Smart Sweeper



Wire Brush

















ROOTS



Refer to the Midi, Super Midi and Maxi Miller Range of Machines

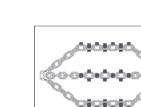
Available Tools	Size Diameter
Original Chain (Standard)	DN50 (2") - DN150 (6")

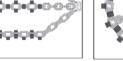
S Ρ E C I

FRAGILE

Smart Cutter[™]

DAMAGED









3D Chain (Premium)



METAL

Micro Miller

Shaft Diameter: 8 mm (1/3") Micro Miller Range: 12 metres (39 ft) Additional Extension:** 10 metres (32 ft) Recommended Diameter Range: DN50 (2") to DN100 (4") Mini Miller Shaft Diameter: 8 mm (1/3") Mini Miller Range: 16 metres (50 ft) Additional Extension:** 10 metres (32 ft) Recommended Diameter Range: DN50 (2") to DN100 (4") ** Shaft extension sold separately.

Original Chain (Premium) 3D Chain (Premium) Cyclone Chain (Standard) Cyclone Chain (Premium) Smart Cutter[™] Wire Brush* Special Drill Head Twister Mini Express Mini Smart Sweeper

DN50 (2") - DN150 (6") DN50 (2") - DN100 (4") DN70 (3") - DN150 (6") DN70 (3") - DN125 (5") DN50 (2") - DN100 (4") DN50 (2") - DN150 (6") DN50 (2") - DN75 (3") DN50 (2") - DN75 (3") DN50 (2") - DN75 (3")

* Wire brushes should only be used for removing fine dust or light mineral deposits.

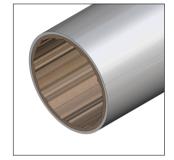


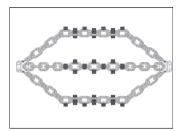
DRAIN CLEANING QUICK GUIDE

MICRO & MINI MILLER

Issue Date: March 2020

Clay Pipes



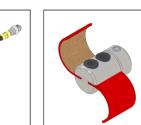








3D Chain (Premium)

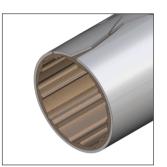


Smart Cutter[™]

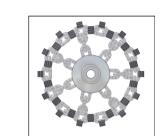


Mini Smart Sweeper

INTACT



FRAGILE



Cyclone Chain



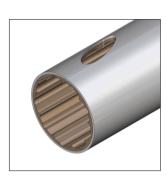
Smart Cutter[™]



Mini Smart Sweeper

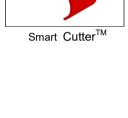


Wire Brush



DAMAGED





Original Chain



Mini Sweeper



Wire Brush



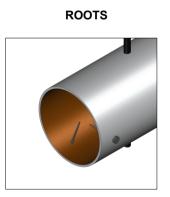
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Refer to the Midi, Super Midi and Maxi Miller Range of Machines

3D Chain (Premium)

Available Tools	Size Diameter
Original Chain (Standard)	DN50 (2") - DN150 (6")
Original Chain (Bramium)	

Twister Mini Express Mini Smart Sweeper Special Drill Head

Cyclone Chain

METAL

Micro Miller

```
Shaft Diameter: 8 mm (<sup>1</sup>/<sub>3</sub>")
```

```
Micro Miller Range: 12 metres (39 ft)
```

```
Additional Extension:** 10 metres (32 ft)
```

```
Recommended Diameter Range: DN50 (2") to DN100 (4")
```

```
Mini Miller
```

```
Shaft Diameter: 8 mm (1/3")
```

```
Mini Miller Range: 16 metres (50 ft)
```

```
Additional Extension:** 10 metres (32 ft)
```

```
Recommended Diameter Range: DN50 (2") to DN100 (4")
```

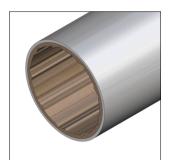
Original Chain (Premium) DN50(2) - DN150(6)3D Chain (Premium) DN50 (2") - DN100 (4") Cyclone Chain (Standard) DN70 (3") - DN150 (6") Cyclone Chain (Premium) DN70 (3") - DN125 (5") Smart Cutter[™] DN50 (2") - DN100 (4") Wire Brush* DN50 (2") - DN150 (6") Special Drill Head DN50 (2") - DN75 (3") Twister Mini Express DN50 (2") - DN75 (3") DN50 (2") - DN75 (3") Mini Smart Sweeper

* Wire brushes should only be used for removing fine dust or light mineral deposits.

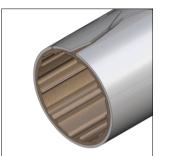


DRAIN CLEANING QUICK GUIDE **MICRO & MINI MILLER Plastic Pipes**

Issue Date: March 2020



INTACT



FRAGILE



DAMAGED



Original Chain (PVC)

Cyclone Chain (PVC)











Smart Cutter[™]

Nylon Cleaning Brush

Cyclone Chain (PVC)

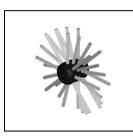




Nylon Cleaning Brush



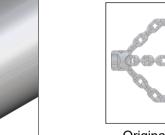
Smart Cutter[™]

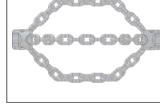


Nylon Cleaning Brush



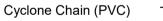
ROOTS





Original Chain (PVC)









Twister Mini Express Special Drill Head (PVC)



METAL

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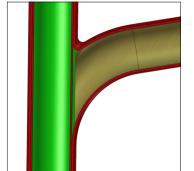
Α L

Micro Miller	Available Tools	Size Range	
Shaft Diameter: 8 mm (¼")	Original Chain (PVC)	DN50 (2") - DN150 (6")	
Micro Miller Range: 12 metres (39 ft)	3D Chain (PVC)	DN50 (2") - DN100 (4")	
Additional Extension:** 10 metres (32 ft)	Cyclone Chain (PVC)	DN70 (3") - DN125 (5")	
Recommended Diameter Range: DN50 (2") to DN100 (4")	Smart Cutter™	DN50 (2") - DN100 (4")	
Mini Miller	Nylon Cleaning Brush*	DN50 (2") - DN150 (6")	
Shaft Diameter: 8 mm (⅓")	Special Drill Head (PVC)	DN50 (2") - DN75 (3")	
Mini Miller Range: 16 metres (50 ft)	Twister Mini Express	DN50 (2") & DN70 (3")	
Additional Extension:** 10 metres (32 ft)	* Nylon cleaning brushes should only be used for removing fine dust or soft blockages.		
Recommended Diameter Range: DN50 (2") to DN100 (4")			
** Shaft extension sold separately.			

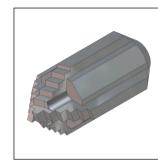


LATERAL OPENING QUICK GUIDE MICRO & MINI MILLER Cast Iron Pipes

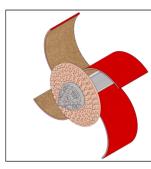
Issue Date: March 2020



Twister Mini Express

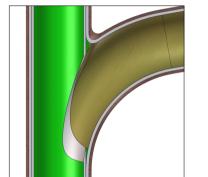


Special Drill Head

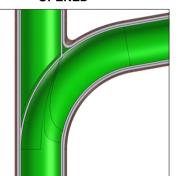


Smart Cutter[™]

UNLINED



OPENED

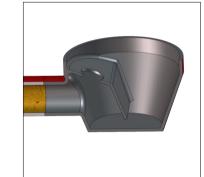


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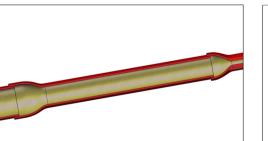


Smart Cutter™

Twister Mini Express



FLOOR DRAIN





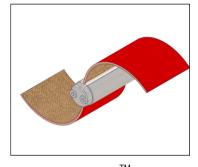
Special Drill Head





Special Drill Head (3D)





Smart Cutter[™]



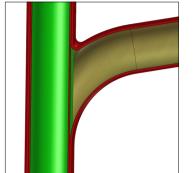
SPECIAL

SIZE CHANGE	Special Drill Head	Special Drill Head (3D)	Smart Cutter [™]	
Micro Miller				
Shaft Diameter: 8 mm (¼")				
Range: 12 metres (39 ft)				
Additional Extension:10 metres (32 ft)	(Sold Separately)	Available T	ools	Size Diameter
Recommended Diameter Range: DN50) (2") to DN75 (3")	Smart Cutte	r TM	DN50 (2") - DN75 (3")
Mini Miller		Twister Mini	Express	DN50 (2") - DN70 (3")
Shaft Diameter: 8 mm (¼")		Special Drill	Head	DN50 (2") - DN75 (3")
Range: 16 metres (50 ft)		Special Drill	Head (3D)	DN50 (2") - DN75 (3")
Additional Extension:10 metres (32 ft)	(Sold Separately)			
Recommended Diameter Range : DN5	0 (2") to DN75 (3")			



LATERAL OPENING QUICK GUIDE MICRO & MINI MILLER Clay Pipes

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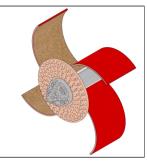


Twister Mini Express



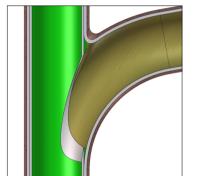


Special Drill Head

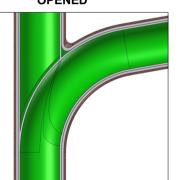


Smart Cutter[™]

UNLINED



OPENED

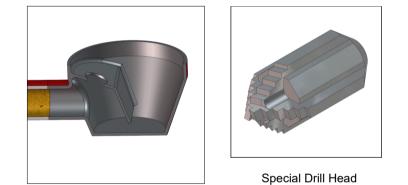


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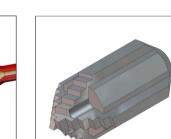


Smart Cutter™

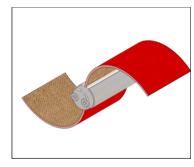
Twister Mini Express



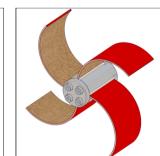
FLOOR DRAIN







Smart Cutter[™]



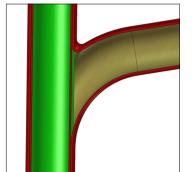
Spec	ial Drill Head	Special Dri	l Head (3D)	Smart Cutter [™]	
Micro Miller					
Shaft Diameter: 8 mm (¹⁄₃'')					
Range: 12 metres (39 ft)					
Additional Extension:10 metres (32 ft) (Solo	d Separately)		Availabl	e Tools	Size Diameter
Recommended Diameter Range: DN50 (2")	to DN75 (3")		Smart Cu	utter™	DN50 (2") - DN75 (3")
Mini Miller			Twister N	/lini Express	DN50 (2") - DN70 (3")
Shaft Diameter: 8 mm (¹⁄₃'')			Special [Drill Head	DN50 (2") - DN75 (3")
Range: 16 metres (50 ft)			Special [Drill Head (3D)	DN50 (2") - DN75 (3")
Additional Extension:10 metres (32 ft) (Solo	d Separately)				. , ,
Recommended Diameter Range : DN50 (2") to DN75 (3")				



LATERAL OPENING QUICK GUIDE **MICRO & MINI MILLER Plastic Pipes**

Version: 3

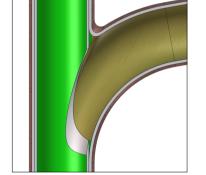
Issue Date: March 2020





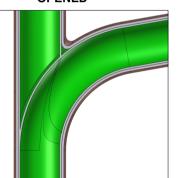


Special Drill Head (PVC)



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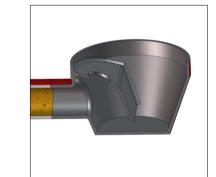


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Smart Cutter™

Twister Mini Express

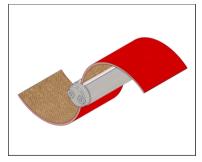


FLOOR DRAIN



Special Drill Head (PVC)





Smart Cutter[™]



Special Drill Head (PVC)	Smart Cutter™	
SIZE CHANGE		
Micro Miller		
Shaft Diameter: 8 mm (¼")		
Range: 12 metres (39 ft)		
Additional Extension:10 metres (32 ft) (Sold Separately)		
Recommended Diameter Range: DN50 (2") to DN75 (3")		
Mini Miller	Available Tools	Size Diameter
Shaft Diameter: 8 mm (¹⁄₃'')	Smart Cutter	DN50 (2") - DN75 (3")
Range: 16 metres (50 ft)	Twister Mini Express	DN50 (2") - DN70 (3")
Additional Extension:10 metres (32 ft) (Sold Separately)	Special Drill Head (PVC)	DN50 (2") - DN75 (3")
Recommended Diameter Range : DN50 (2") to DN75 (3")		