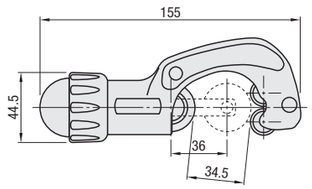
Pipe Cutters / Spare Cutter Blades / Deburring Tools

Pipe Cutters

PFCAT
PFCATS



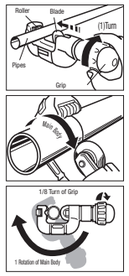
Reinforced aluminum pipe frames and factory frames cannot be cut with this cutter.

Part Number	Applicable Pipe	Mass (g)
PFCAT	Aluminum Extruded Pipe, Resin Coating Pipe	350
PFCATS	Stainless Steel Pipe	356

How to Use

1. Rotate the grip and place the pipe between the cutter blade and the rollers. Be sure that the pipe protrudes more than the width of the rollers.
2. As shown in the diagram to the right, after the blade contacts the pipe, turn the grip a 1/4 rotation more (shown as arrow (1)), then rotate the pipe once to cut along the circumference.
3. Next turn the grip slowly (approx. 1/8 turn per each body rotation) to cut gradually deeper. Then turn the main body to completely cut the pipe.

* If the cutting speed is too fast, it may cause pipe deformation, or shorten the blade's service life.

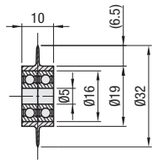


⚠ CAUTION

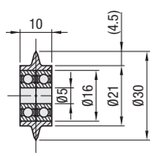
- If the cutter is used to cut unspecified objects or for any purpose not mentioned here, then cutter may become damaged or cause an accident.
- Be sure to inspect the cutter before use. Do not use until it is repaired or replaced when it is out of order.
- Do not touch blade while cutting. It may cause accidents or injuries.
- Be careful of falling while carrying or operating.
- If the cutter becomes wet, be sure to wipe it dry. If water gets into the bearing, rust will prevent the bearing from functioning.

Spare Cutter Blades

PFCATH
For Resin Coated Pipes, Aluminum Extruded Pipes



PFCATHS
For Stainless Steel Pipe



Part Number	Mass (g)
PFCATH For Resin Coated Pipes, Aluminum Extruded Pipes	19
PFCATHS For Stainless Steel Pipe	25

How to Replace Spare Blades: Remove the retaining ring E Type of the cutter main body, then pull installation pin for replacement.

Part Number Example

Part Number
PFCAT PFCATH

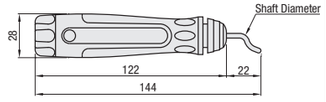
Accessories: Retaining Ring of E Type 1 pc.

Deburring Tools

Spare Deburring Blades

M-NG1000-F Deburring Tool: PFREMH-BS1010 x 1 Pc.
M-NG1000-S Deburring Tool: PFREMH-BS1018 x 1 Pc.
PFREMH-BS1010 Spare Blades, 10 Pcs/Pk
PFREMH-BS2010 Spare Blades, 10 Pcs/Pk
PFREMH-BS1018 Spare Blades, 10 Pcs/Pk

Material: Handle: Plastic+Rubber



Deburring Tools

Part Number	Mass (g)
M-NG1000-F	31
M-NG1000-S	31

Part Number Example

Part Number
M-NG1000-F PFREMH-BS1010

Replacement Blades

Part Number		Features
Type	No.	
PFREMH	BS1010	For heavy steel and aluminum. One blade in clockwise direction. Black
	BS2010	For cast, brass and plastic. Two blades in either direction. Silver
	BS1018	For hard to cut material such as stainless steel. One blade in clockwise direction. Silver

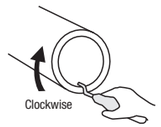
*One pack contains 10 Pcs.

⚠ CAUTION

- Use for purposes other than deburring may cause damages or accidents.
- Be sure to check the deburring tool before use. Do not use until it is repaired or replaced when it is out of order.
- Do not touch blade section during operation.
- The P/N PEREM has changed to M-NG1000-F. The handle shape is slightly different, but the functionality is the same.

How to Use

1. Hold the grip and apply the blade to the inside of the pipe.
2. Turn at least one full turn while keeping the blade in the direction of the pipe.



How to Calculate Pipe Dimension

Metal & Plastic Joint

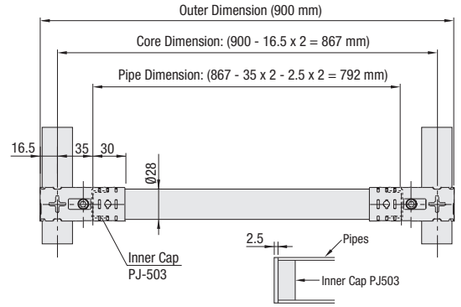
Example of Metal Joint Calculation

When using PBLSN1

Core Dimension = 900 - 16.5 x 2 = 867
= Outer Dimension - Metal Joint Radius x 2

Pipe Dimension = 867 - 35 x 2 - 2.5 x 2 = 792
= Core Dimension - Length From Metal Joint Center to Pipe End

*Pipe will be shorter (2.5 x 2) when inner cap is attached for rust prevention. No inner cap is required for aluminum extruded pipes.



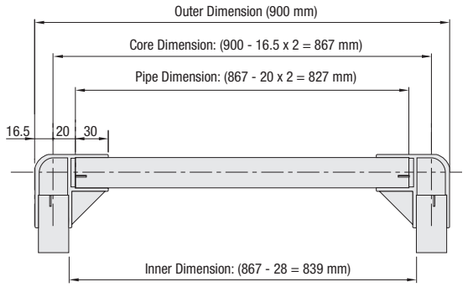
Example of Plastic Joint Calculation

(Aluminum extruded pipes and stainless steel pipes should not be combined with plastic joints.)

When using PJ002

Core Dimension = 900 - 16.5 x 2 = 867
= Outer Dimension - Metal Joint Radius x 2

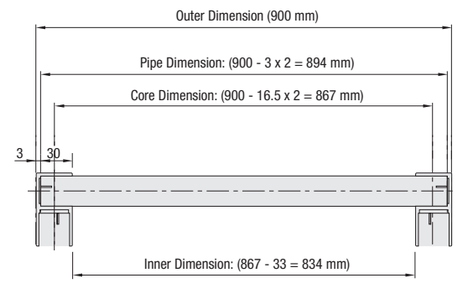
Pipe Dimension = 867 - 20 x 2 = 827
= Core Dimension - Length from Plastic Joint Center to Pipe End



When using PJ003

Core Dimension = 900 - 16.5 x 2 = 867
= Outer Dimension - Metal Joint Radius x 2

Pipe Dimension = 900 - 3 x 2 = 894
= Outer Dimension - Length From Plastic Joint End to Pipe End



When using PJ401, PJ404, PJ409

Inclined Core Dimension = 900 x √2 ≈ 1272
= Core Dimension Between Flats x √2

Inclined Pipe Dimension = 1272 - 35 x 2 = 1202
= Inclined Core Dimension - Length from Plastic Joint Center to Pipe End