



# MTD POLYPEEL

Operator's Manual



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# NOTICE

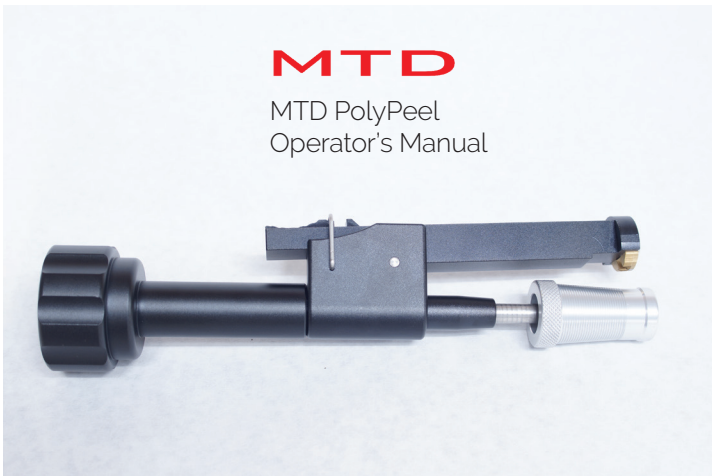
Any operation involving work on pipe containing liquids or gases under pressure is potentially hazardous. To ensure a safe working environment, always follow proper procedures including those available from the equipment manufacturer and your company.

No person is authorized to make plastic pipe joints for natural gas service unless that person has been qualified through training, assembling, fusing and testing specimens in accordance with 49 CFR 192.285.

It is the responsibility of the operator to establish a method to determine that each person making joints in pipelines in their system is qualified to make those joints.

This manual does not serve to replace but should be used as a supplement to hands-on training. This manual is not intended to be used for system design purposes and does not take the place of the advice of a professional engineer.

Should any issue or difficulty arise while operating this equipment, contact ISCO Industries, Inc.



# PEELER PART NUMBER

Part Number	Size
TR1960	1/2" CTS
TR196065	1/2" CTS (0.090 wall)
TR1963	1/2" IPS
TR1965	3/4" IPS
TR19656	3/4" (SDR11 only)
TR19690	3/4" CTS (0.090 wall)
TR1970	1" CTS
TR19704	1" CTS (0.090 wall)
TR19706	1" CTS (0.099/0.101 wall)
TR19707	1" CTS (0.101 wall)
TR19708	1" CTS (0.125 wall)
TR1975	1" IPS
TR19756	1" IPS (SDR11 only)
TR19757	1" IPS (SDR7 only)
TR1978	1-1/4" IPS
TR19788	1-1/4" IPS (0.125 wall)
TR1979	1-1/4" CTS
TR19794	1-1/4" CTS (0.090 wall)
TR1980	2" IPS
TR19809	2" IPS SDR9

# INTRODUCTION

This manual contains the necessary information and instructions for properly using the MTD PolyPeel. Our unique design works on both pipe and the outlets of tapping tees, removing a maximum of 8% wall thickness. This is very important because removing too much of the pipe wall during scraping can result in a failed EF fusion. The design of this peeler will remove the oxidized film formed on the outside of the pipe during the manufacturing process.

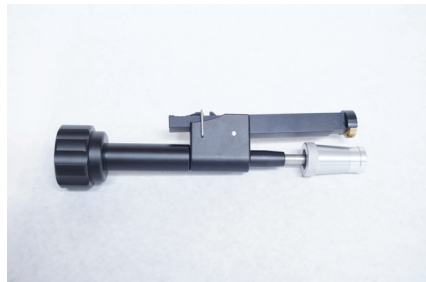
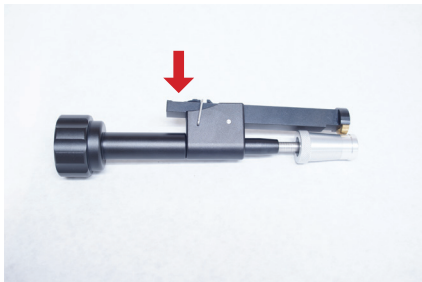
When utilizing this tool with coiled pipe, ensure that pipe has less than 10% ovality.

# FIELD APPLICATION



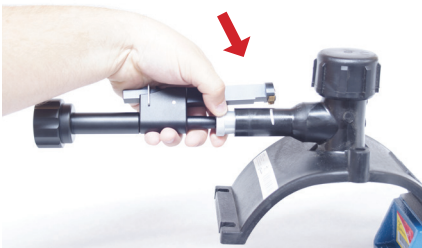
## Step 1

Mark the stab depth of the fitting prior to inserting MTD PolyPeel into pipe as directed in picture.



### Step 2

Press down on thumb grip and lock arm open by placing arm retainer pin into slot in thumb grip.



### Step 3

Secure mandrel into outlet of tapping tee/pipe to be scraped by rotating in a clockwise motion via knurled grip on mandrel.



#### Step 4

Once mandrel is secure, rotate MTD PolyPeel body counter-clockwise to position blade directly over end of outlet/pipe to be scraped.

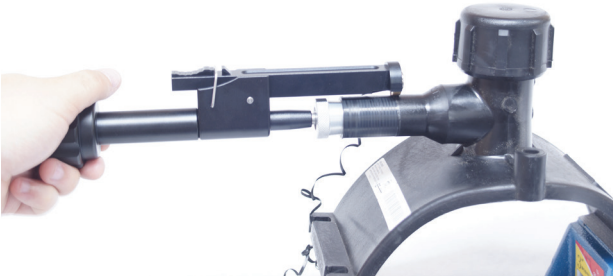
Unlock blade arm by pressing down on the thumb grip and setting retaining pin into cutout. Allow blade to rest on surface of outlet/pipe.



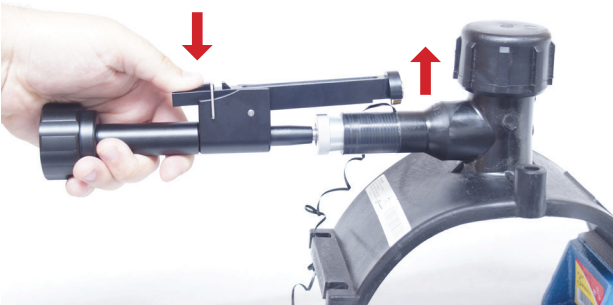
#### Step 5

Rotate MTD PolyPeel body clockwise to begin the peeling process. Peeler blade will move toward stab depth marking.

**NOTE: Rotate peeler with a consistent and controlled speed.**



Peeling is complete when stab depth marking is removed as shown in picture above.

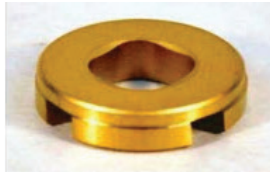
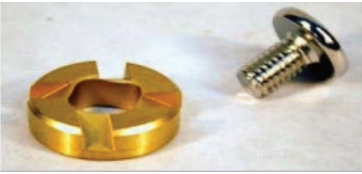


### Step 6

After peeling is complete, press down on thumb grip and unlock arm as in **Step 2**. Remove mandrel from outlet/pipe by rotating mandrel counter-clockwise, opposite of **Step 3**.

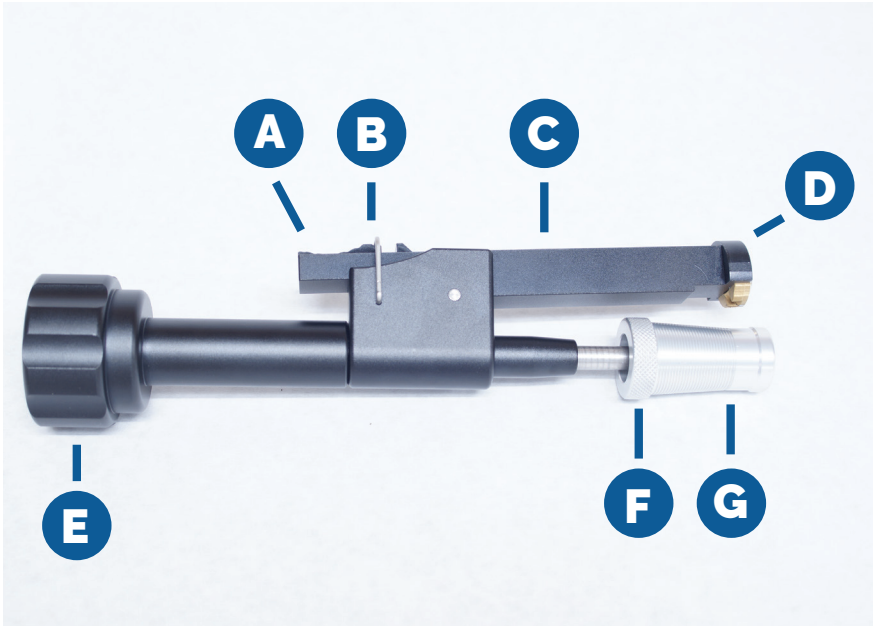
# BLADE MAINTENANCE AND REPLACEMENT

If at any time the peeler displays signs of skipping or uneven removal of material from the pipe, remove the machine screw from the blade arm. Then remove the blade and rotate it to the opposing side, re-install the blade and machine screw into the blade arm. Test the peeler to ensure proper removal of pipe material. Once all four faces of the blade have been worn, contact ISCO for a replacement blade.





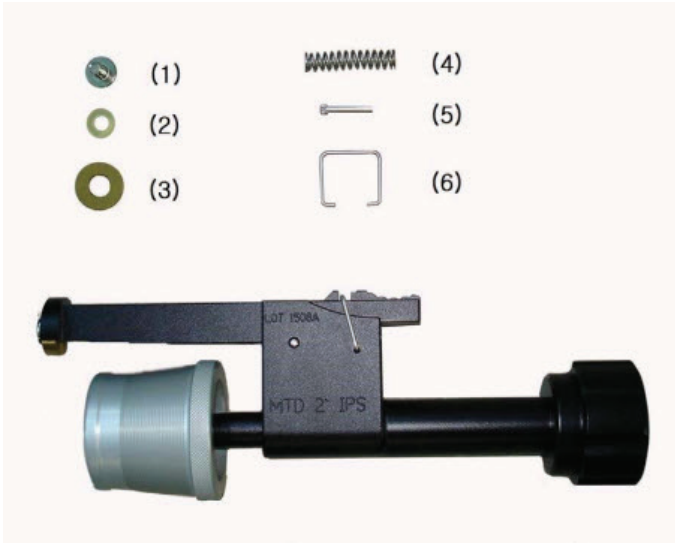
# TOOL DIAGRAM



- A** Thumb Grip
- B** Arm Retainer Pin
- C** Blade Arm
- D** Blade
- E** Rotating Handle
- F** Knurled Mandrel Grip
- G** Aluminum Mandrel

**WARNING:** The MTD PolyPeel is equipped with a small but very sharp blade which can cause injuries to operator if incorrectly handled.

# REPLACEMENT PARTS



Part Number	Description	Consists of
TR1962-10	Machine Screw & Washer	Figures 1 & 2
TR1962	Replacement Blade	Figure 3
TR1962-20	Set Spring	Figure 4
TR1962-30	Set Pin	Figure 5
TR1962-40	Set Clip	Figure 6





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