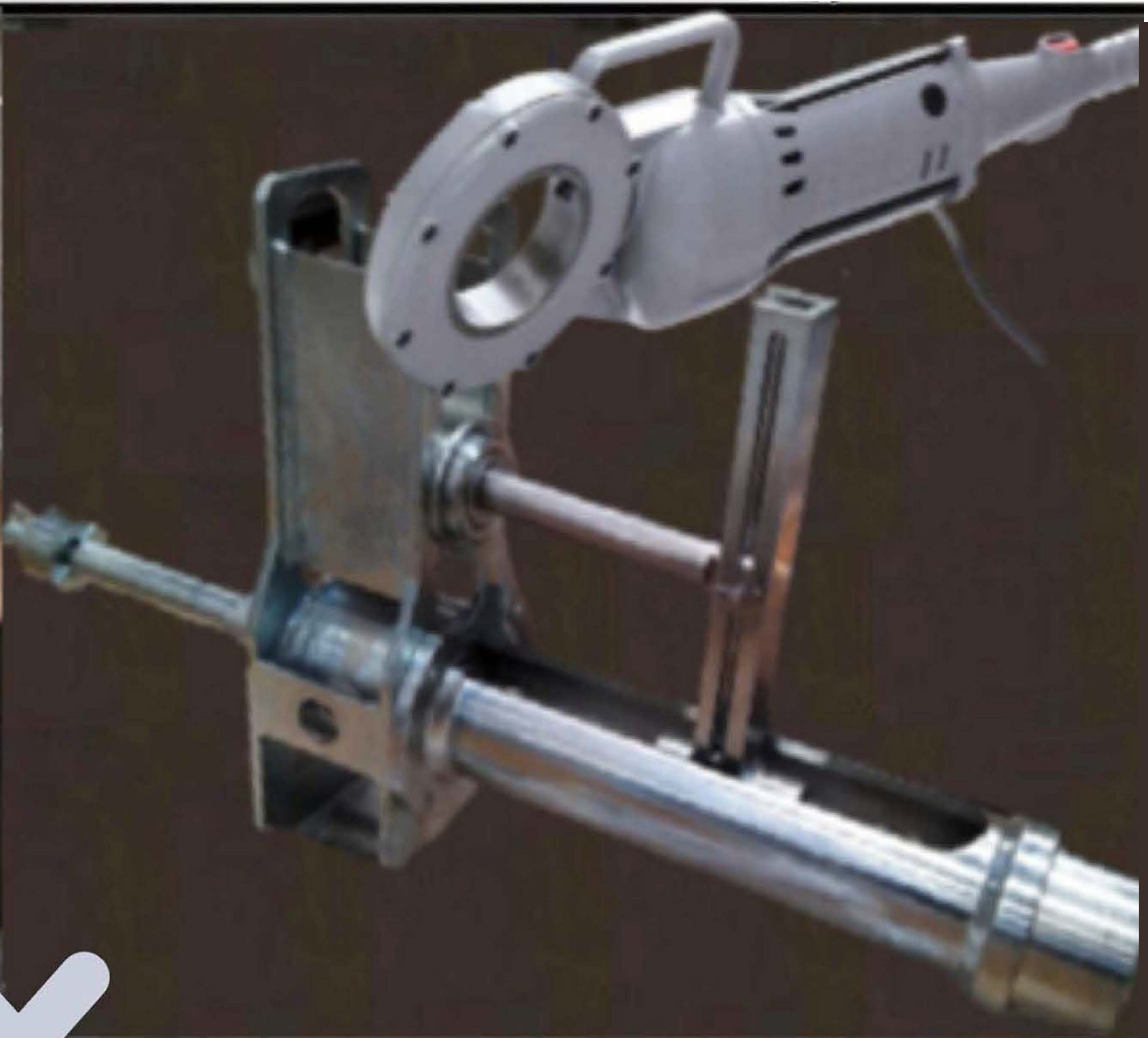
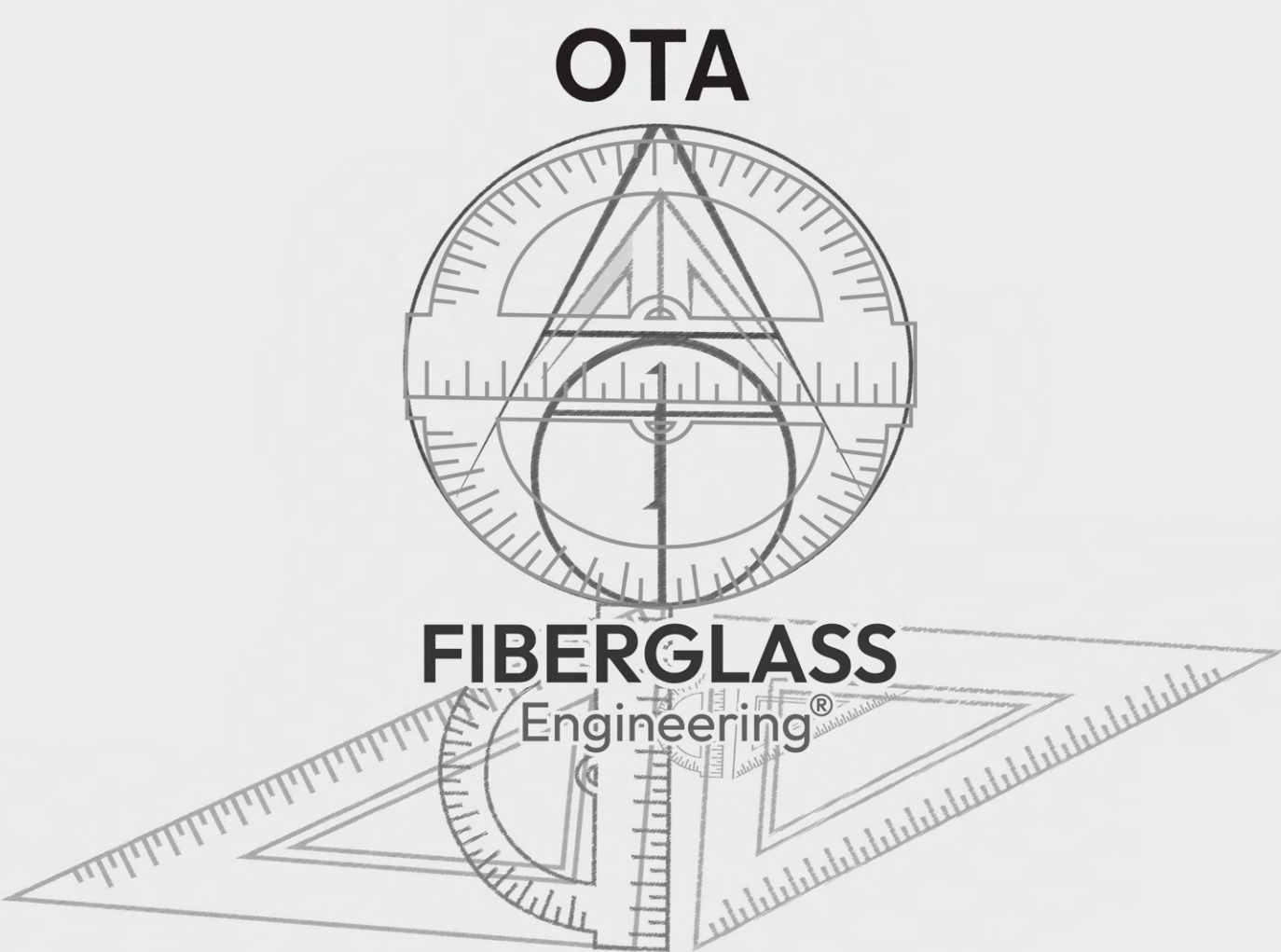
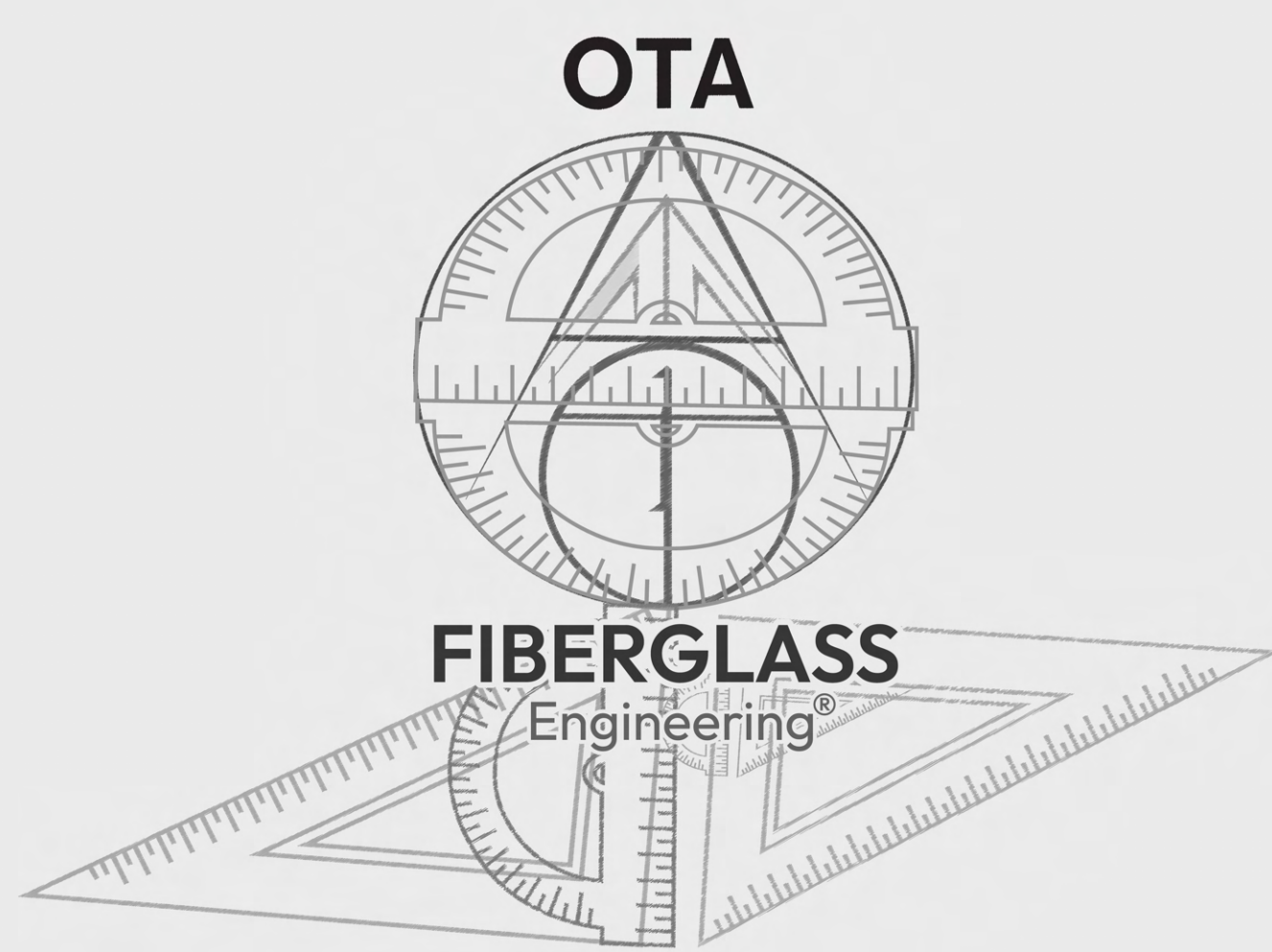


# OTA Fiberglass Engineering®







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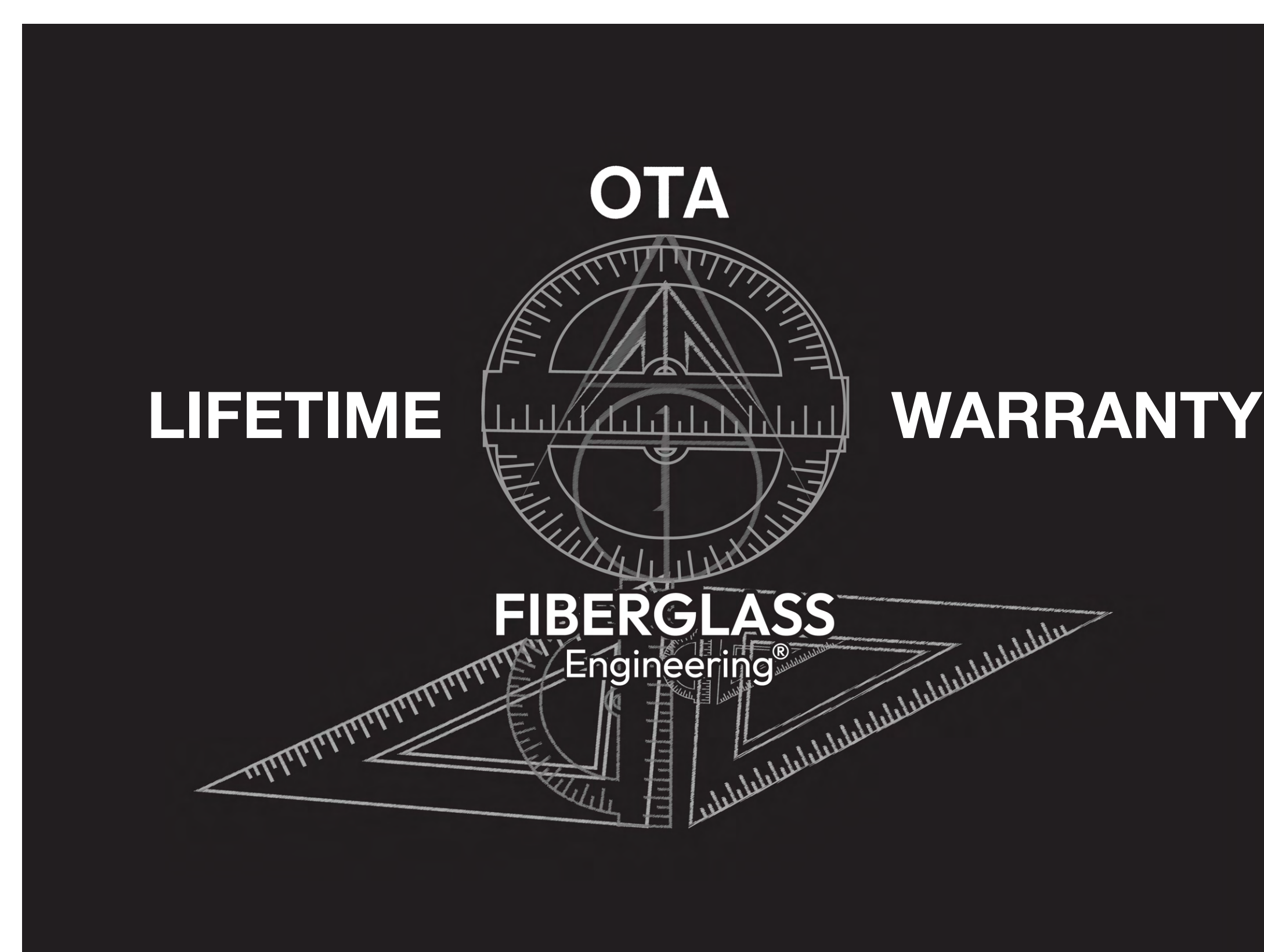
## FULL LIFETIME WARRANTY

OTA Fiberglass Engineering® Pipe Shavers are warranted to be free of defects in workmanship or material

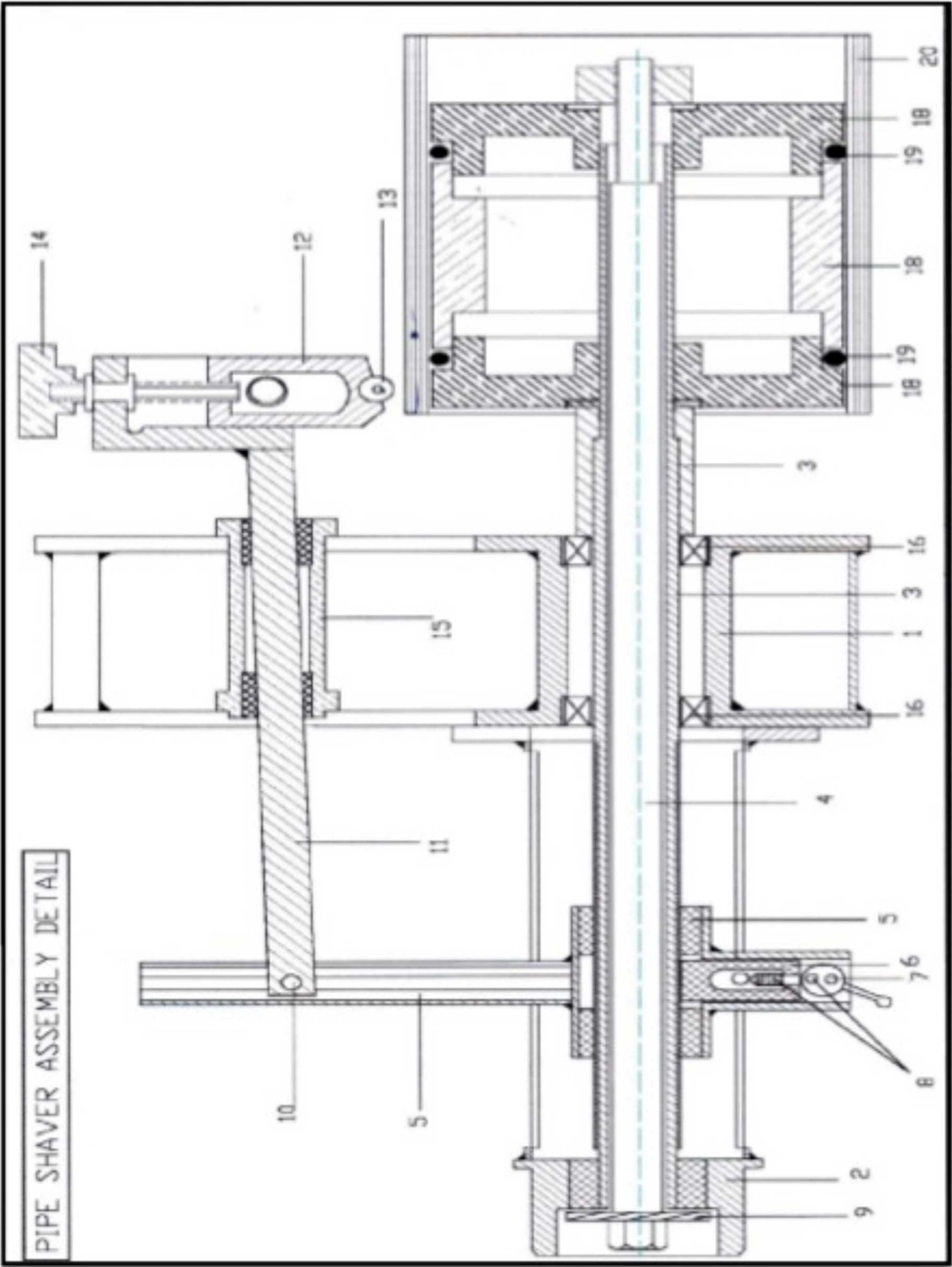
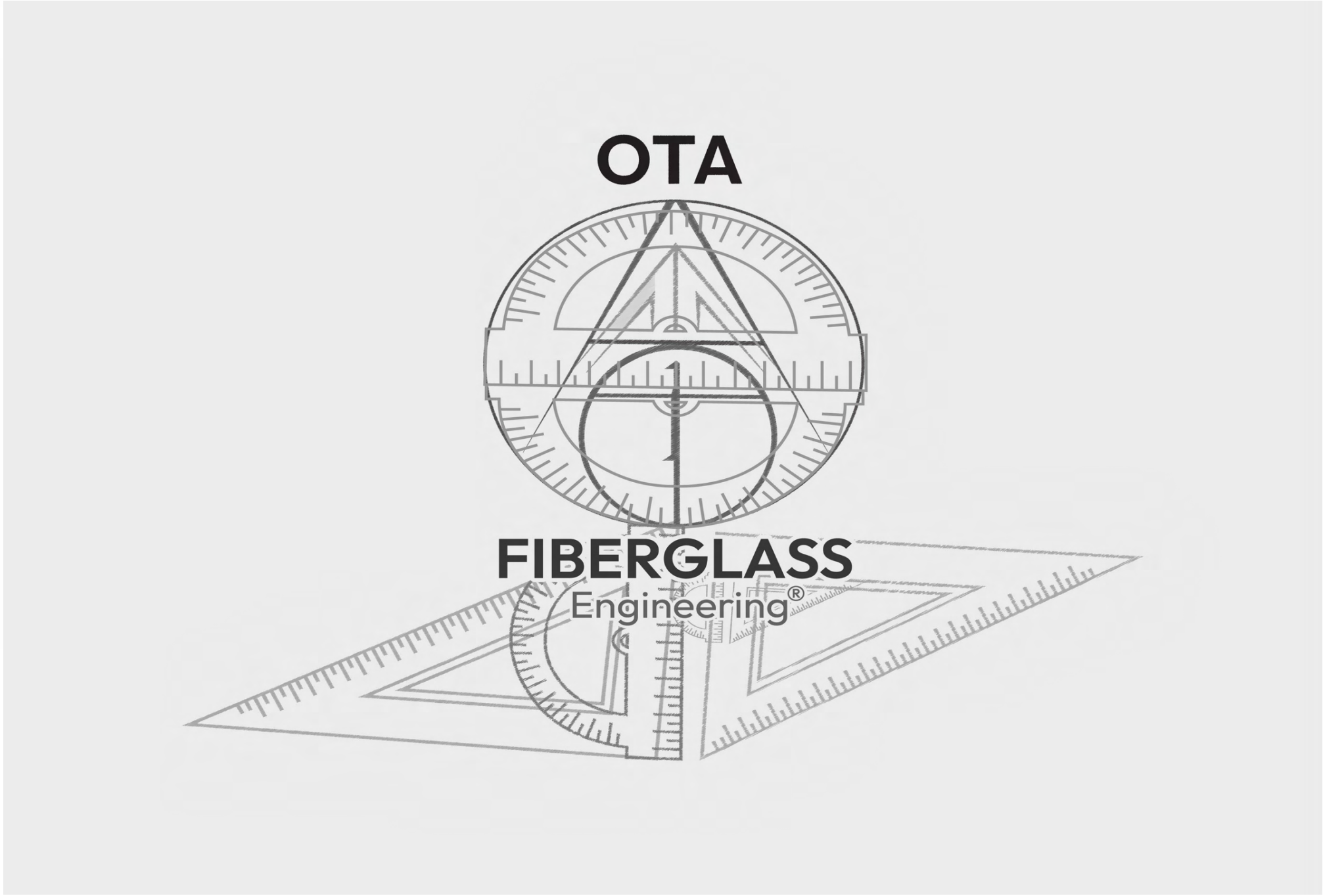
The coverage lasts for the lifetime of the unit and covers the full set pipe shaver including arbors and powerdrive. Warranty coverage ends when the product becomes unusable for reasons other than defects in workmanship or material

### OTA Fiberglass Engineering® Guarantee

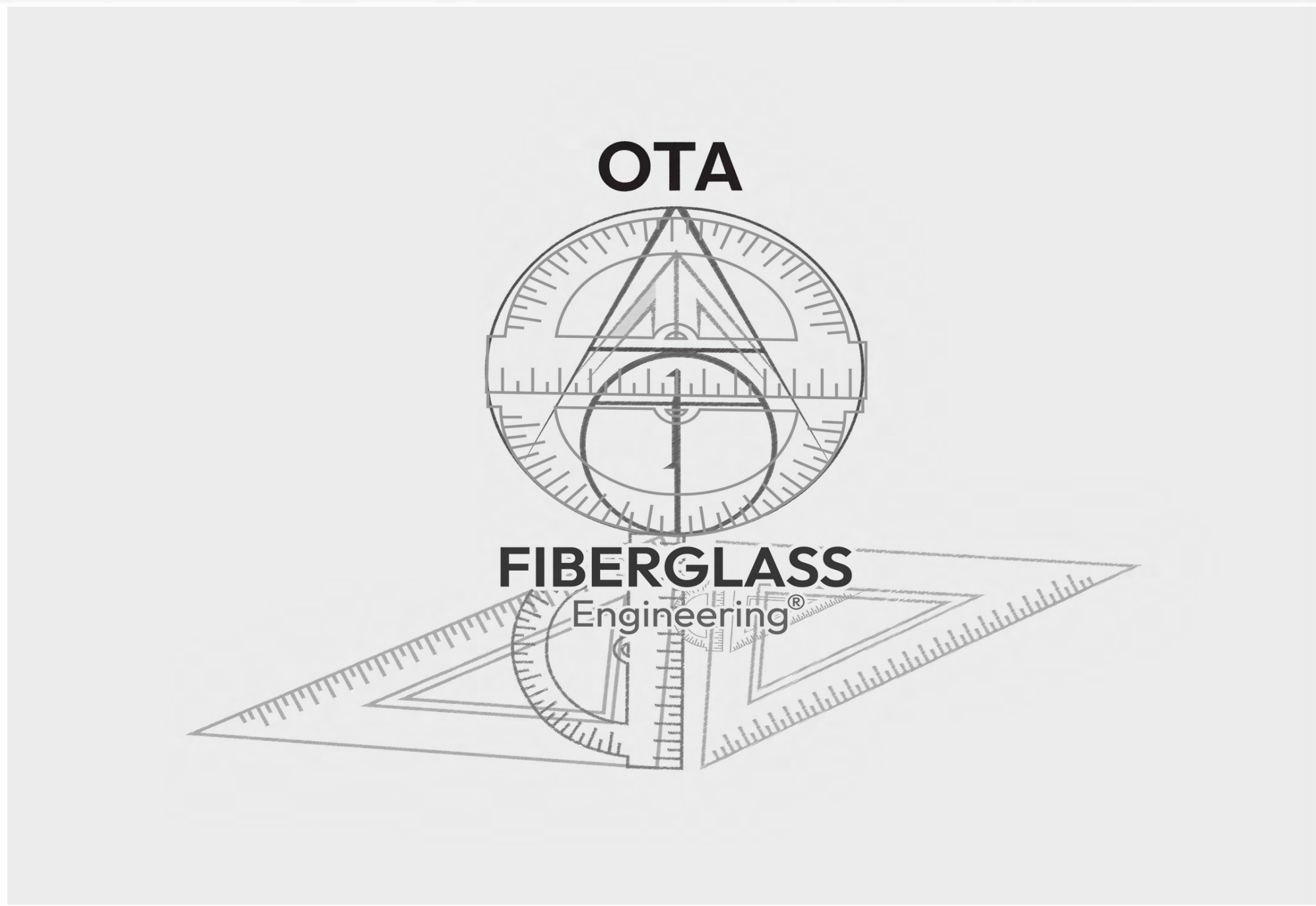
Warranted Pipe Shavers with regulator units are replaced or returned free of charge









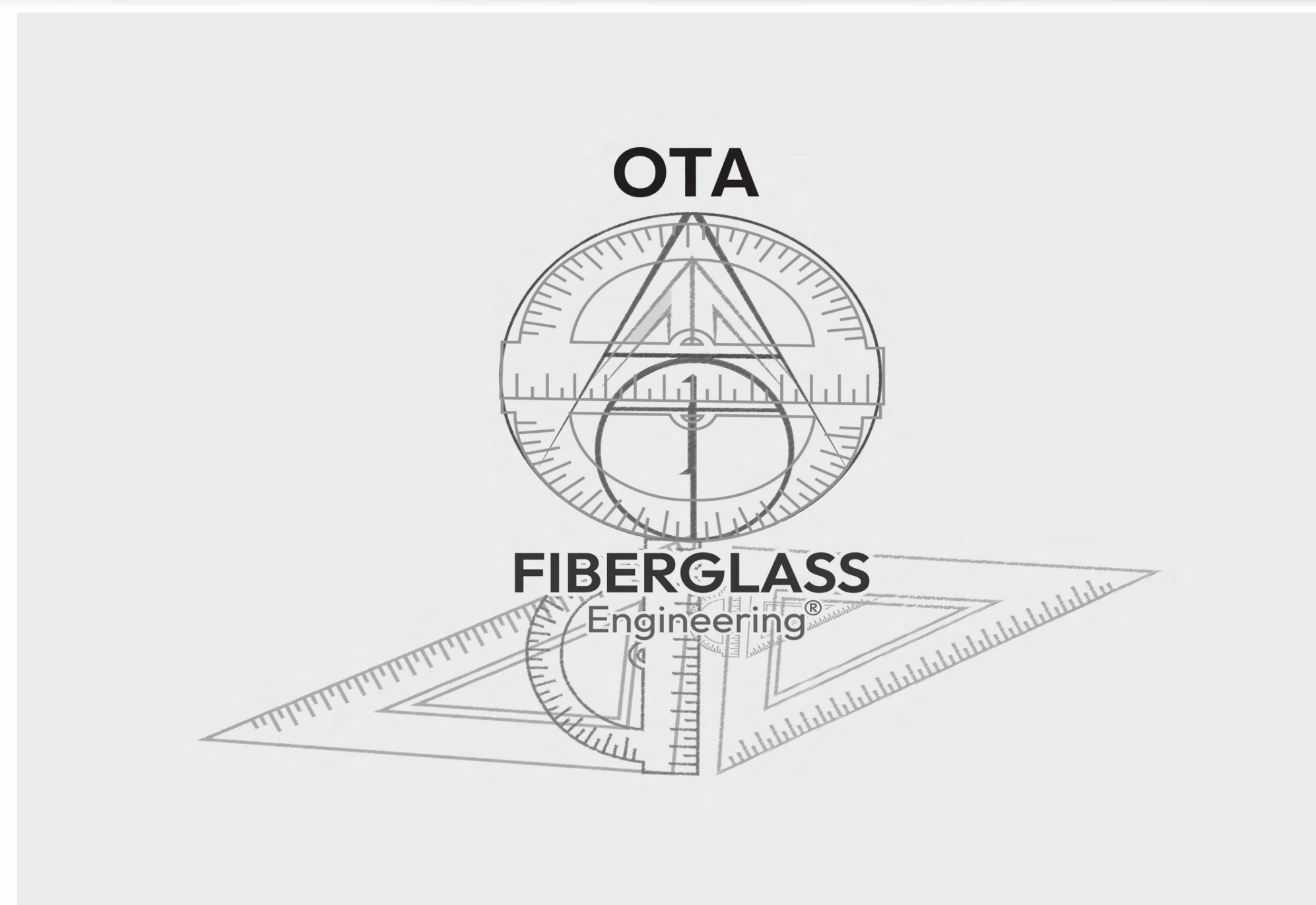


## Design

PART NO. (PN)	DISCRIPTION	PART NO. (PN)	DISCRIPTION
1	Main Body	18	Arbor
2	Powerdrive Holder	19	Rubber O-Ring
3	Spindle	20	Pipe
4	Arbor Bar		
5(1)	Guide Bush		
5(2)	Guide Angle Bar		
6	Spindle Nut		
7	Shaver Lock		
8	Spring		
9	Washer		
10	Pin		
11	Chrome Shaft		
12	Cutting Blade Holder		
13	Cutting Blade		
14	Adjuster		
15	Taper Degree		
16/17	Bearing		



# OTA Fiberglass Engineering®



## Packing

OTA® Pipe Shaving Machine is supplied in a seamless protective OTA® wood case. OTA® wood case provides superior protection through light weight, dust and water proof powerful casing.

## Shaving Diameter Range

OTA® Pipe Shaving Machine comes in the following size ranges

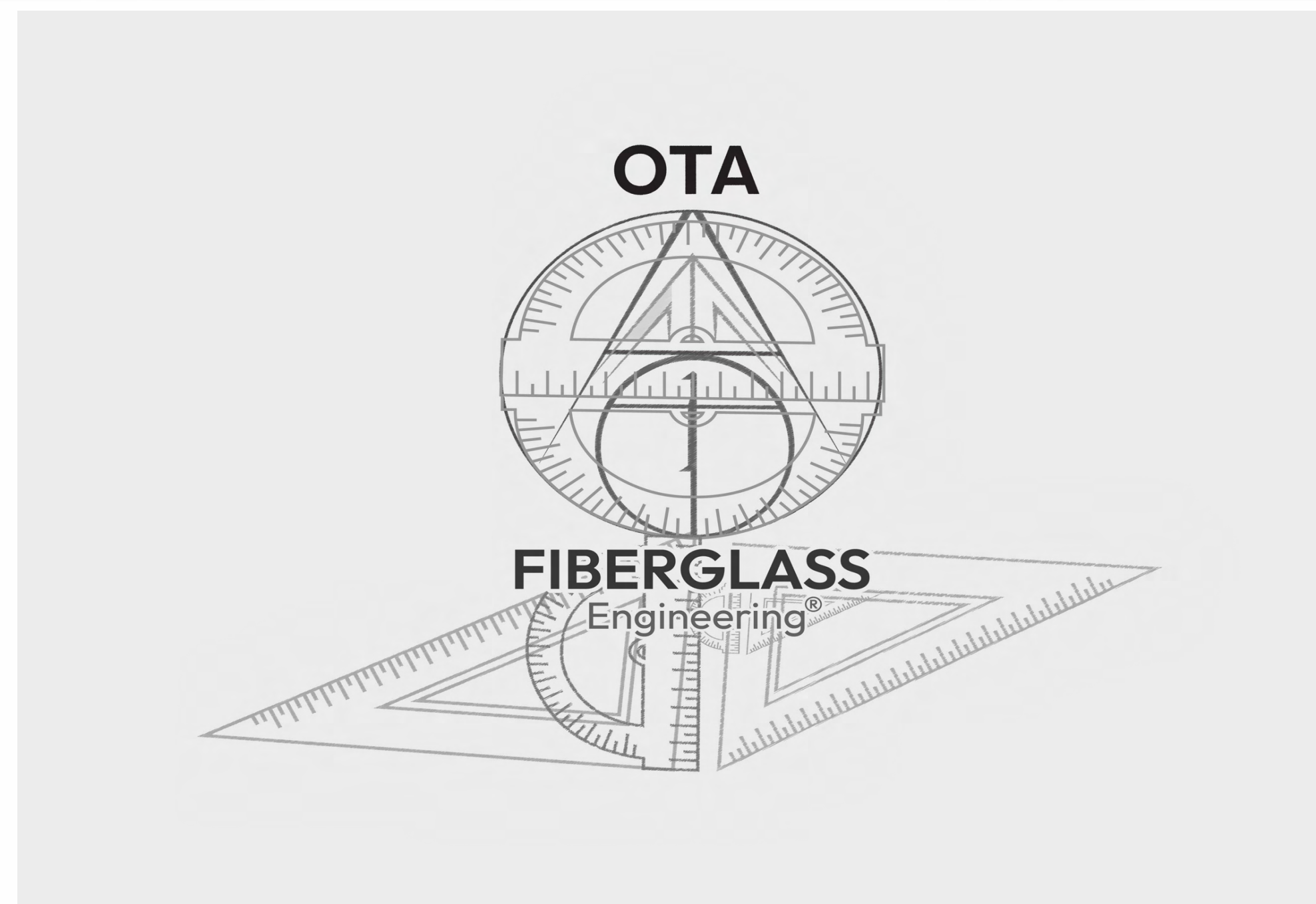
1. OTA® Pipe Shaving Machine 2"-16"
2. OTA® Pipe Shaving Machine 16"-24"
3. OTA® Pipe Shaving Machine 24"-40"
3. OTA® Pipe Shaving Machine 42"-48"



Sizes can also be modified to request

Full Warranty For Lifetime, See Operation Manual





## Pipe Shaver Set: Included Parts

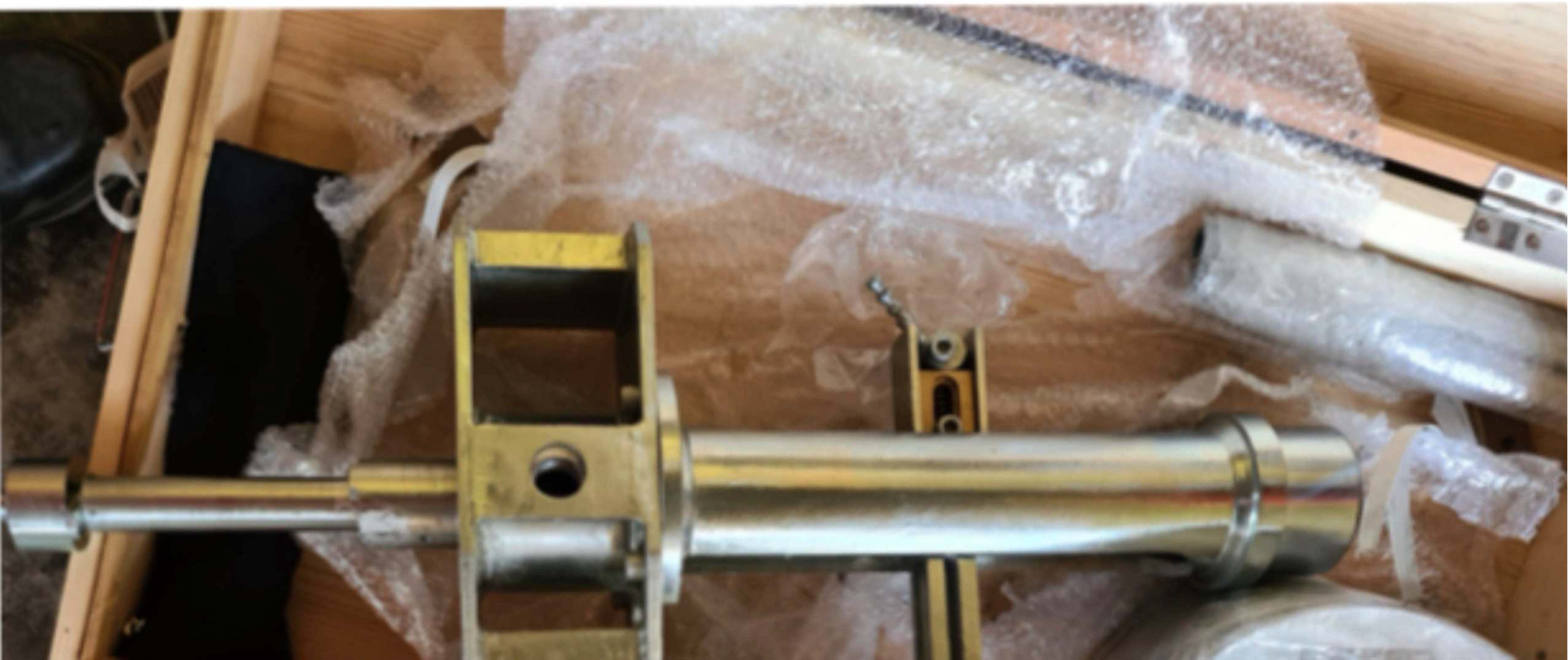
**Rubber O-ring Arbors/Mandrels:** The centered fitted part to the end of the pipe. Arbors act as holders connecting the shaver to the pipe by mounting to the end of the pipe being shaved

**Motor/Powerdrive:** Automates the rotation of the shaving part on the pipe shaver body to process/shave pipe ends

**Taper Angle Tool:** Sets the degree angle at which the shaver operates. Also known as tapering degree. OTA Fiberglass standard is 1.75 -with custom taper angles made to order

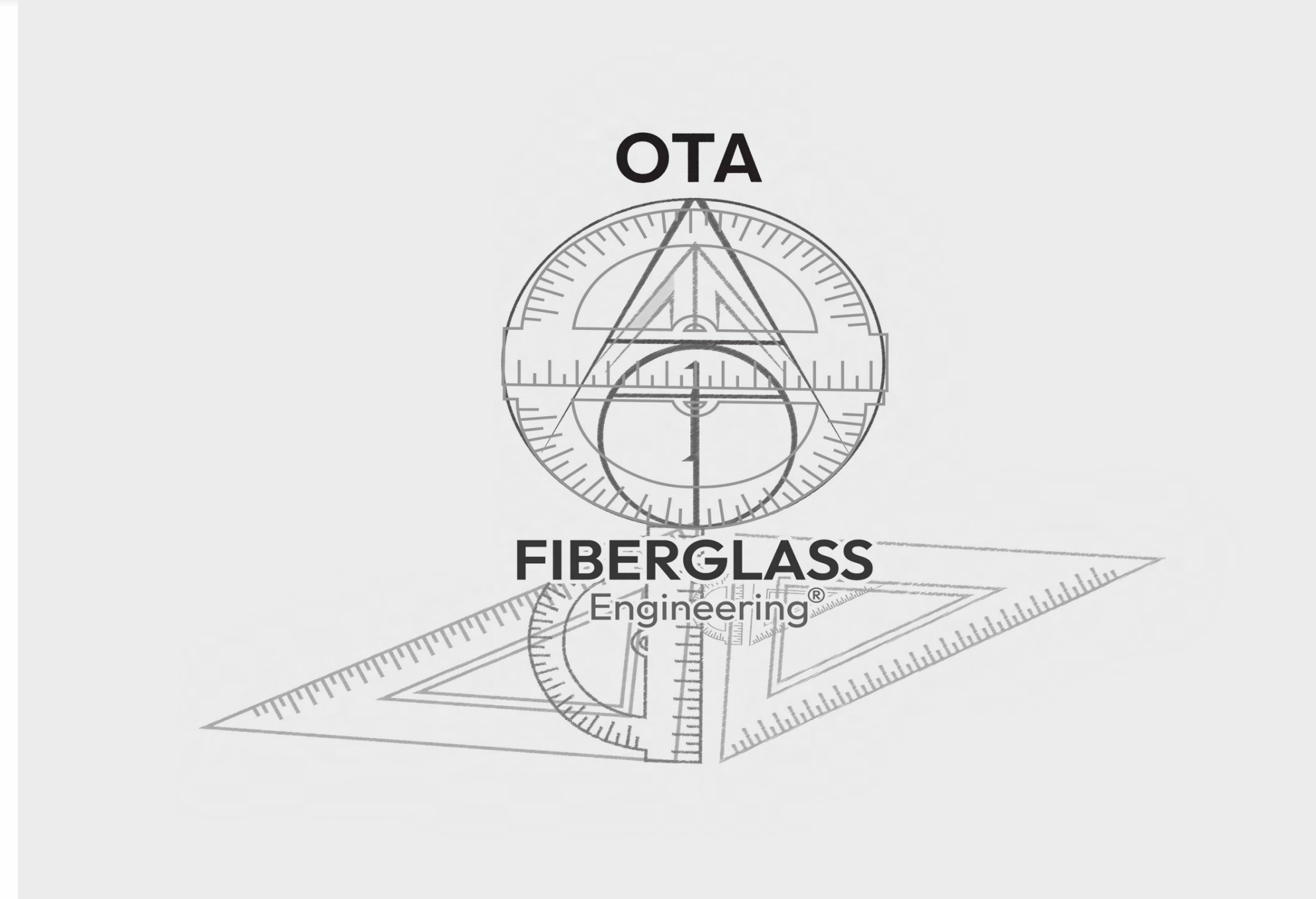


OTA Fiberglass Pipe Shaver Set comes with above parts included as well as spare parts





# OTA Fiberglass Engineering®



## Safety Wear When Operating (cutting, shaving, grinding or sanding)

To protect against serious injury or loss of life, comply with the safety measures:

- Safety shoes must be worn
- Working gloves to protect against sharp GRP Materials
- Buttoned up protective clothing must be worn
- Long hair must be tied
- Dust mask should be used

## Shaving

### 1. Set diameter and angle

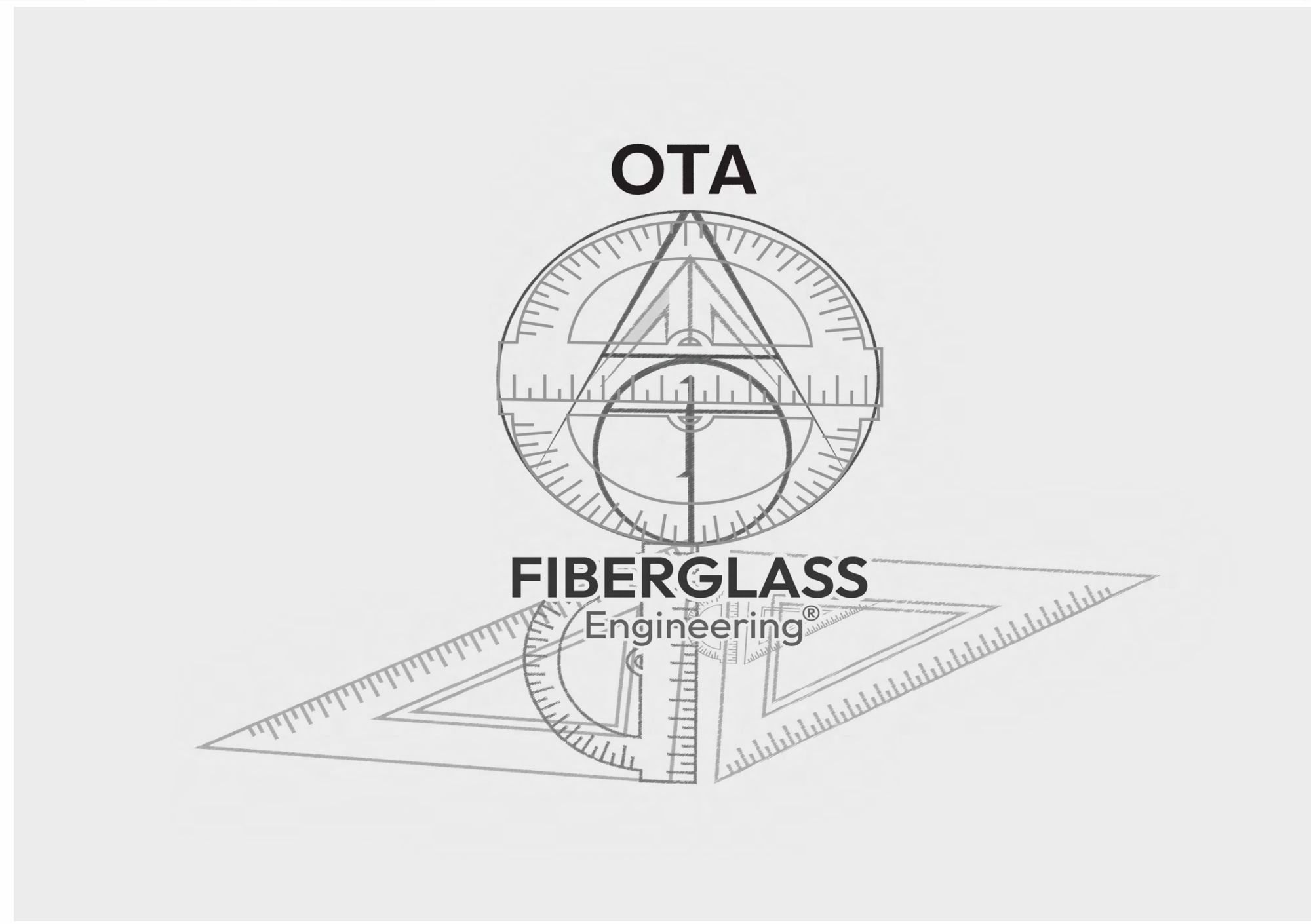
- Undo the pin (PN 10) on the far end of the chrome shaft (PN 11) to unlock the chrome shaft (PN 11).
- Unlock and remove the chrome shaft (PN 11)
- Adjust for the required Taper Angle Block (PN 15)
- Adjust the cutting blade holder (PN 12) for the required diameter and tighten the 2 bolts.



PN 10 PN 11 PN 15 PN 15

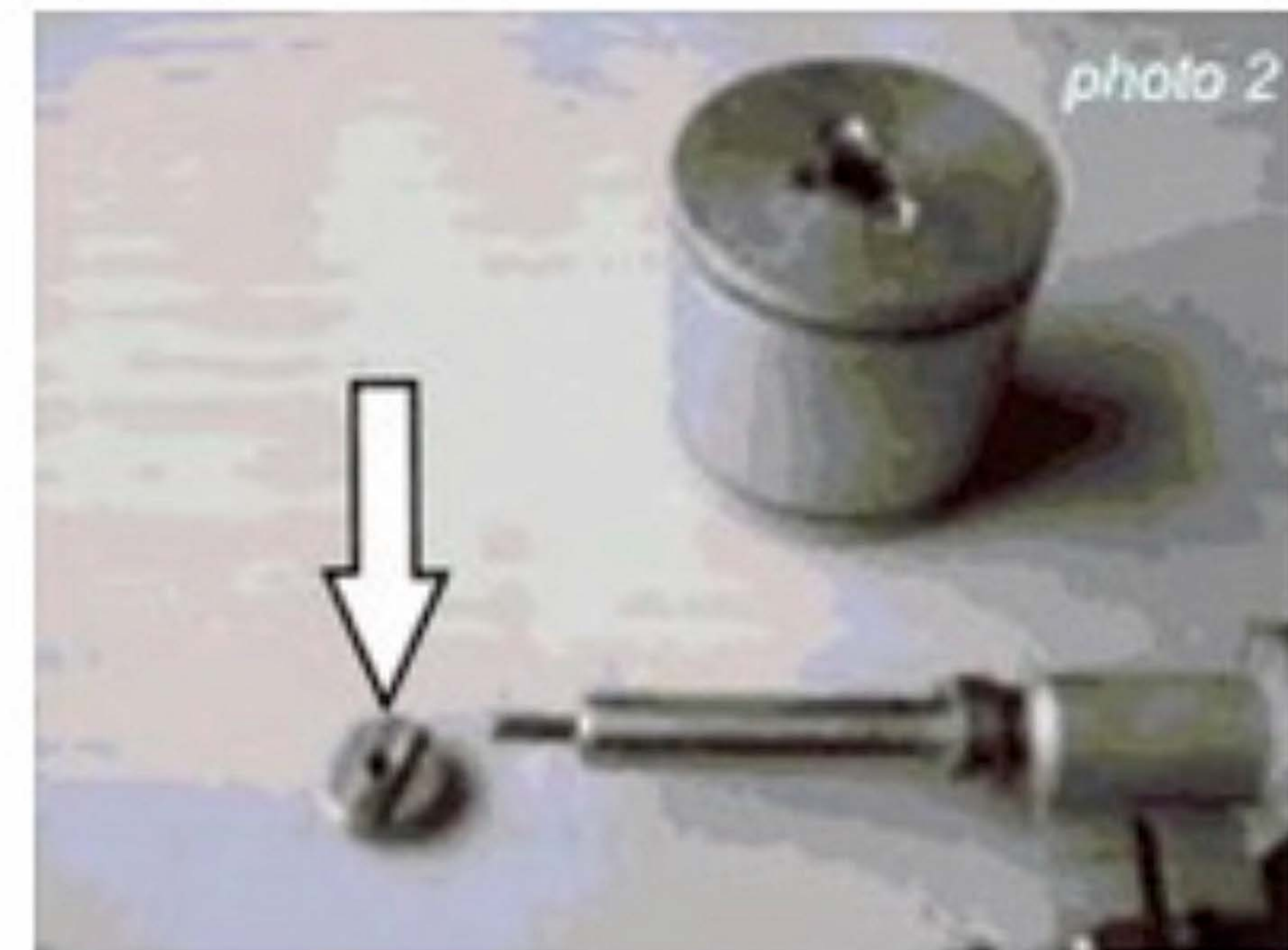


# OTA Fiberglass Engineering®



## 2. FIT THE ARBOR

- Remove the round nut from the tensioning bolt
- Mount the correct size arbor on the shaft.
- Replace The nut is taking care that the protrusions on the nut and on the shaver
- shaft do engage in the slots. The nut and tensioning bolt are not tightened
- until the arbor has been fitted into the pipe to be shaved.



## 3. THE TAPER CUTTING ANGLE

According to the pipe manufacturer, make sure you have the right angle ranging from 0-3.5. Set angle according to pipe manufacturer's standard.

## 4. Insert The SHAVER TO THE PIPE

- Slid The shaver with the appropriate fitted arbor is in to the pipe so the arbor is completely in the pipe and flush with the cut pipe end.
- Lift the shaver whilst the central tensioning bolt is firmly tightened.
- After positioning the shaver on the pipe and tightening the tensioning bolt, the power-drive is fitted on to the power-drive adapter end of the shaver. Turn the shaver - powerdrive key to lock together

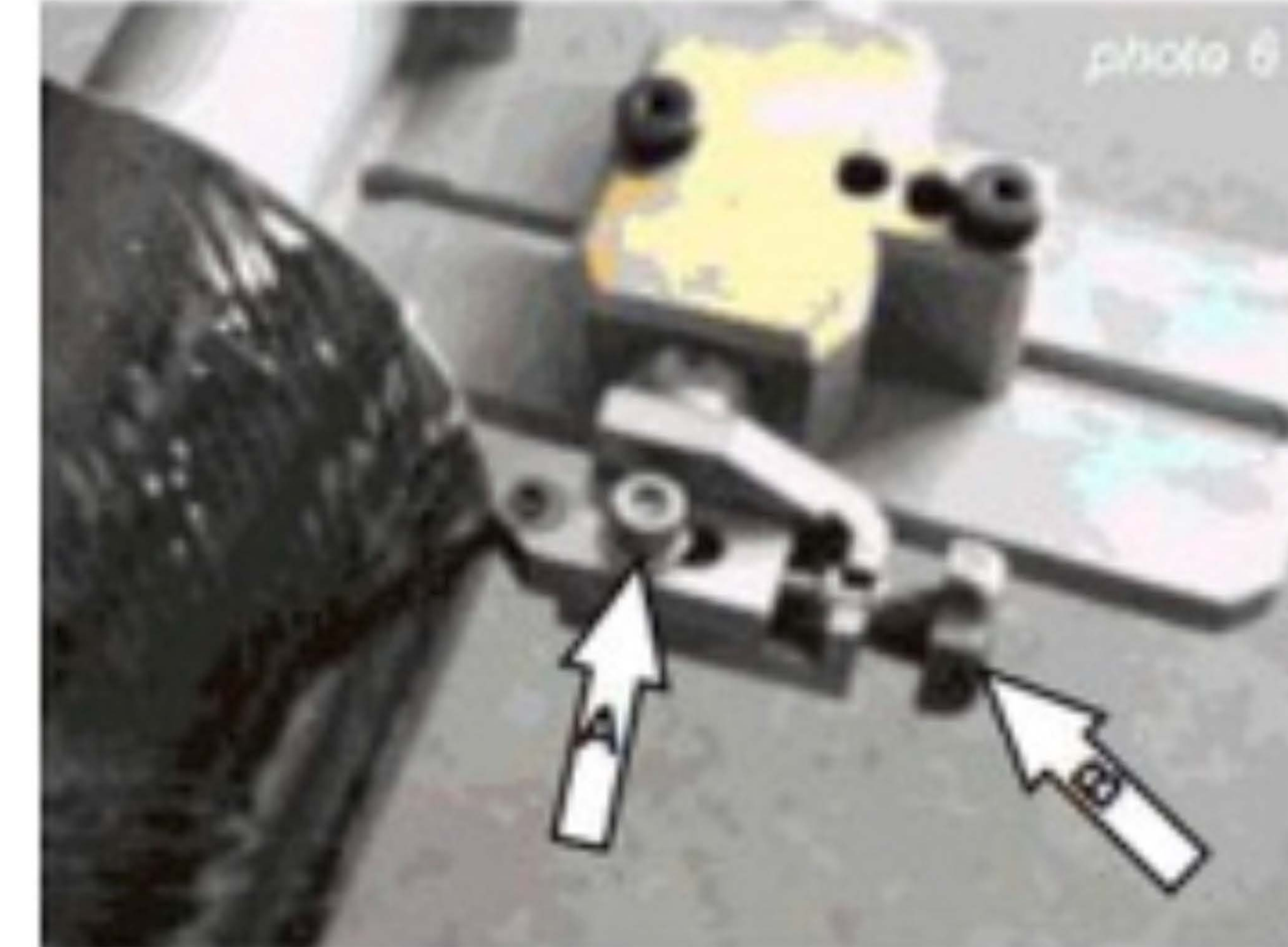




## 4. ADJUST THE CUTTING TOOL

Loosen the toolholder clamping bolt part A, photo 6) in order to turn the adjusting screw on the back of the cutting tool for changing the cutting depth.

The cutting tool should be adjusted to give cut of max. 2 mm depth. One turn of the adjusting screw on the back of the cutting tool changes the cutting depth by 1 mm. So, maximum of 2 mm cutting depth by two clockwise turns reduces the pipe spigot diameter by 4 mm.



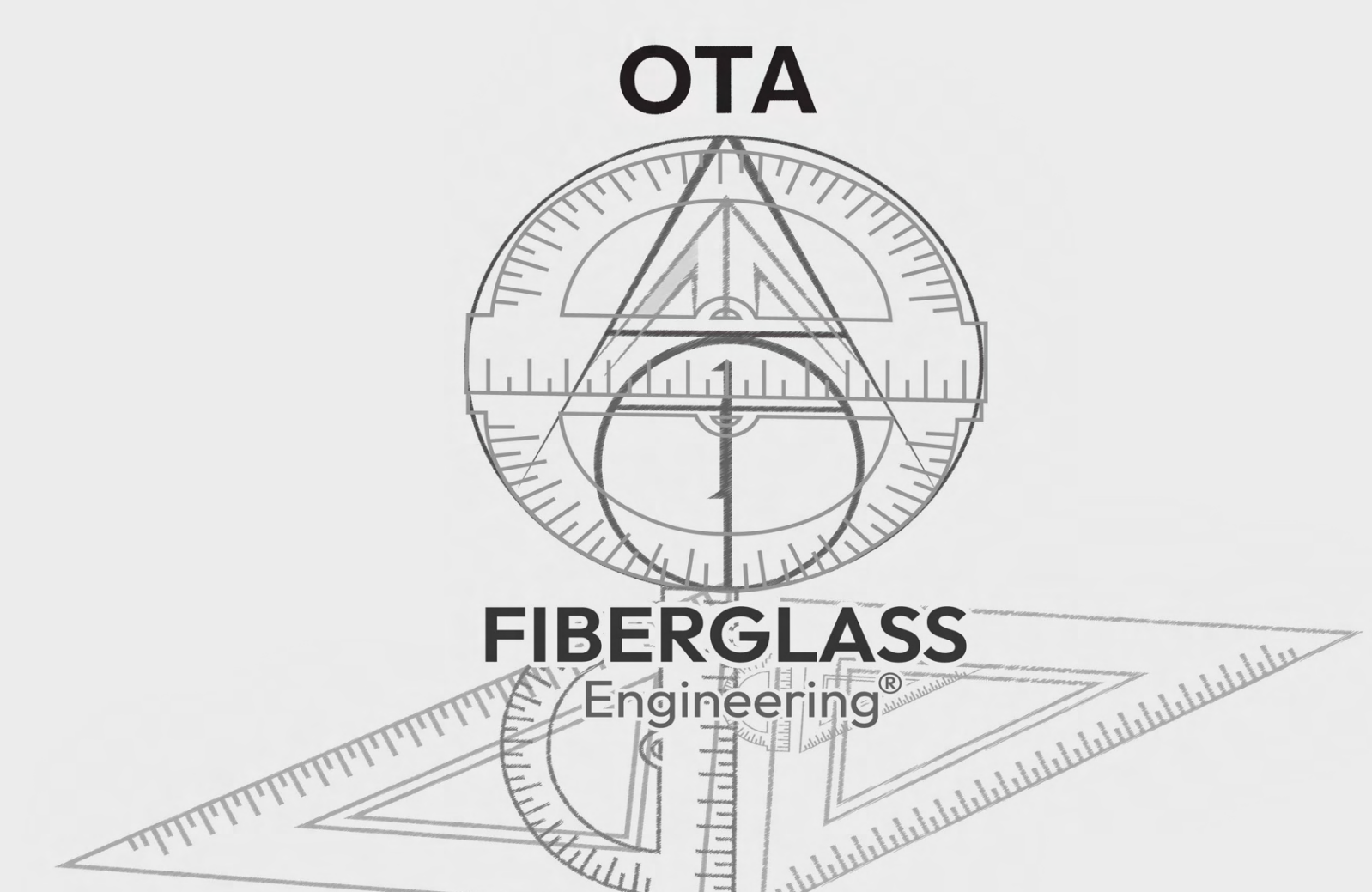
## 5 Start the shaving process.

6 Retract the cutting tool and release the central bolt to finish off



## Shaving Joint Dimensions

OTA® Pipe Shaving Machine is suitable all kinds of Fiberglass Pipes from any/ all pipe manufacturer. Reference your pipe manufacturer's own operation manual.





# **OTA Fiberglass Engineering®**

## **Full Lifetime Warranty**

### **What is covered**

OTA Fiberglass Engineering® Pipe Shavers are warranted to be free of defects in workmanship and material

### **How long coverage lasts**

This warranty lasts for the lifetime of the tool. Warranty coverage ends when the product becomes unusable for reasons other than defects in workmanship or material

### **Maintenance/ Service**

We will offer free spare tool case spare parts for on-site maintenance, or service the pipe shaver at no charge in our factory. In addition to this manual, every Pipe Shaver comes equipped with a tool case that also includes spare shaving parts (ref page 4)

### **OTA Fiberglass Engineering® Guarantee**

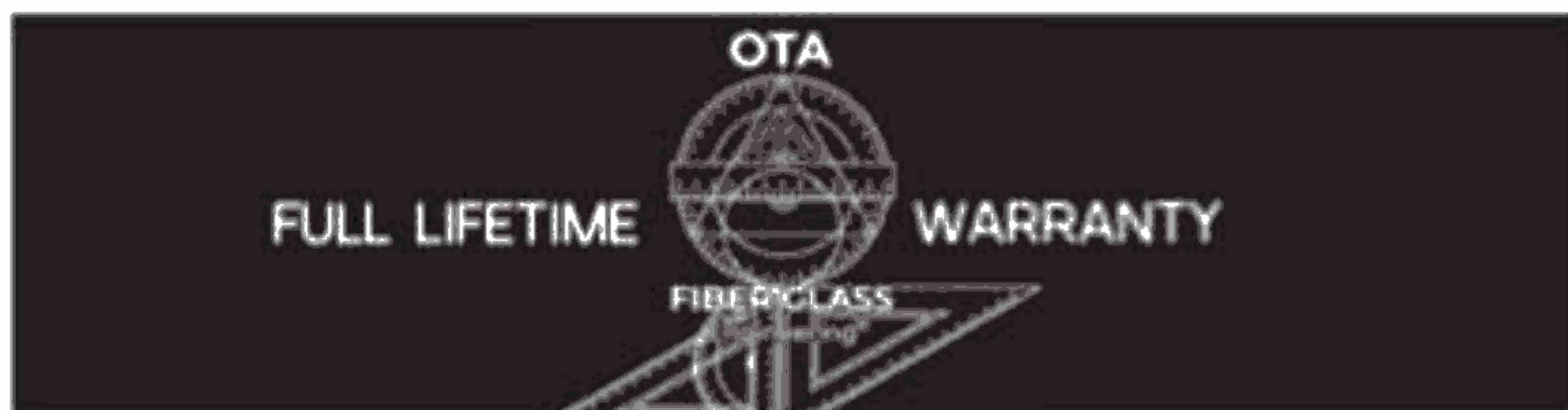
Warranted Pipe Shavers will be repaired or replaced, and returned free of charge

### **What is not covered**

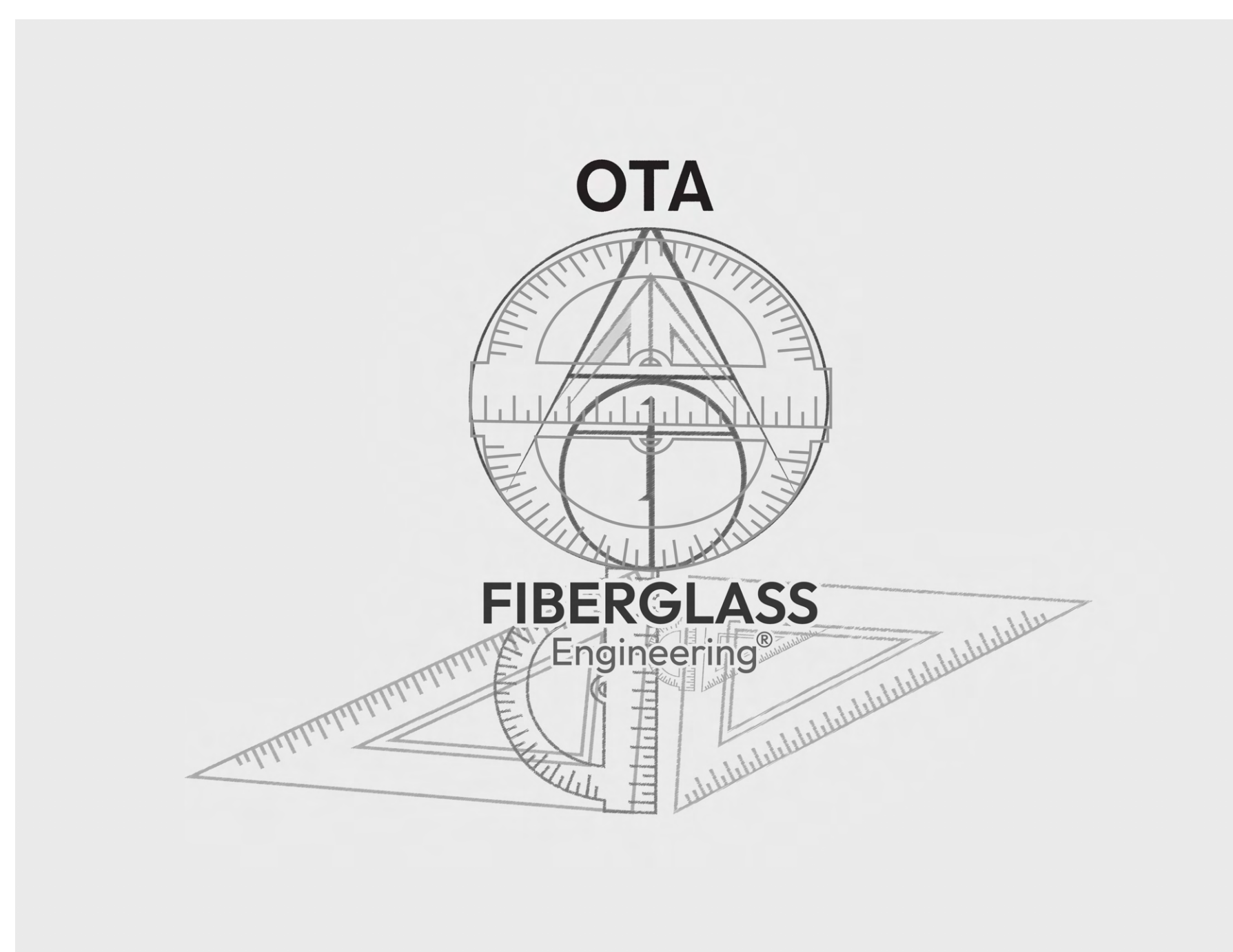
Failures due to misuse, abuse or normal wear and tear are not covered by this warranty

### **No other express warranty applies**

This FULL LIFETIME WARRANTY is the sole and exclusive warranty for OTA Fiberglass Engineering® products







## Videos & Guides

Operation Video

<https://youtu.be/mtmwMEgFpKU>

Pipe Joint Installation on Site

<https://youtu.be/a01RbM-HmrA>

GRP Pipe Setup

[https://youtu.be/1s0ek\\_BE0I4](https://youtu.be/1s0ek_BE0I4)

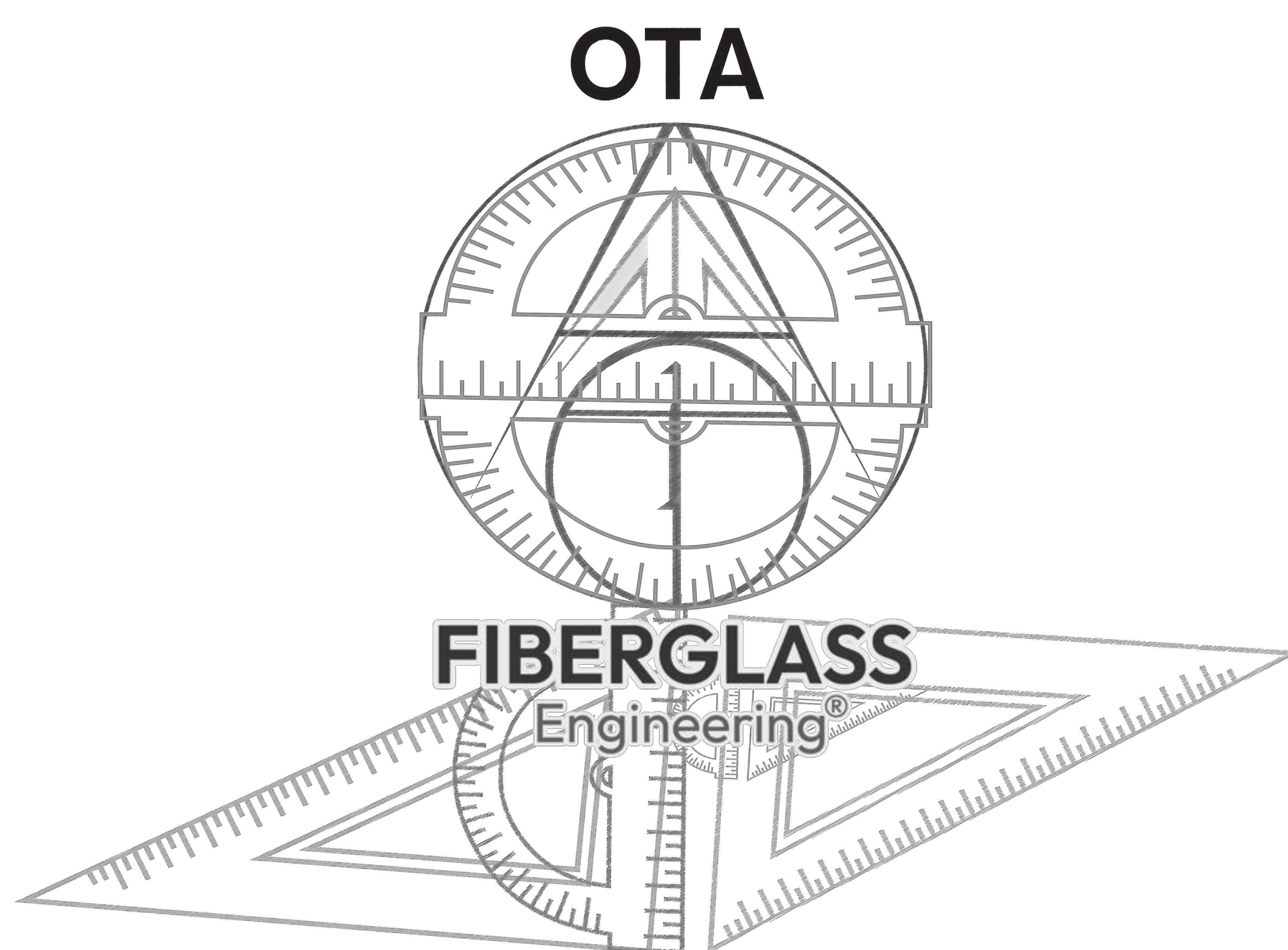
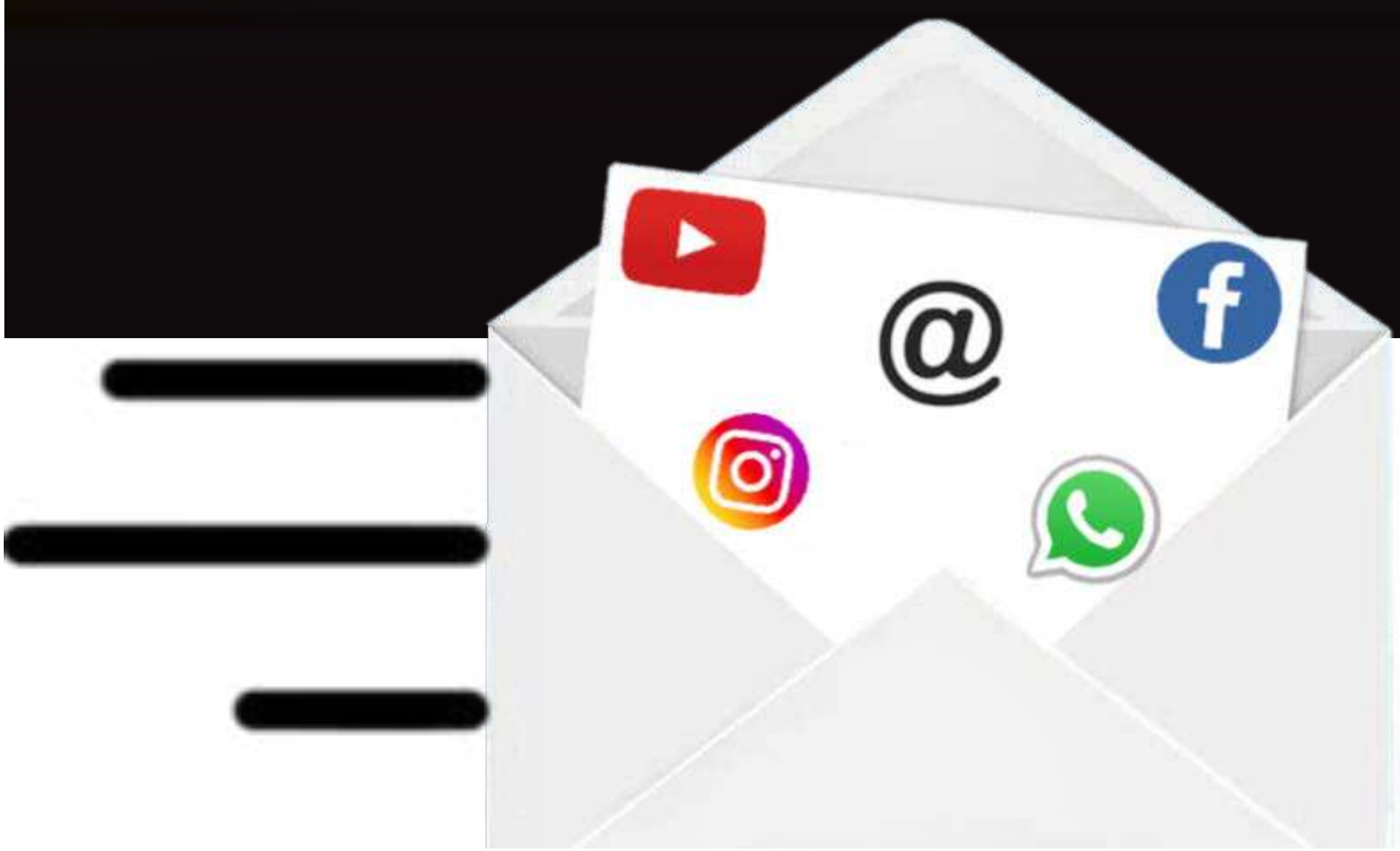
Pipe Shaver With Standard Taper Angle -  $1.75^\circ$



Taper Angle Change

<https://youtu.be/HgOZAGVwVLQ>





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