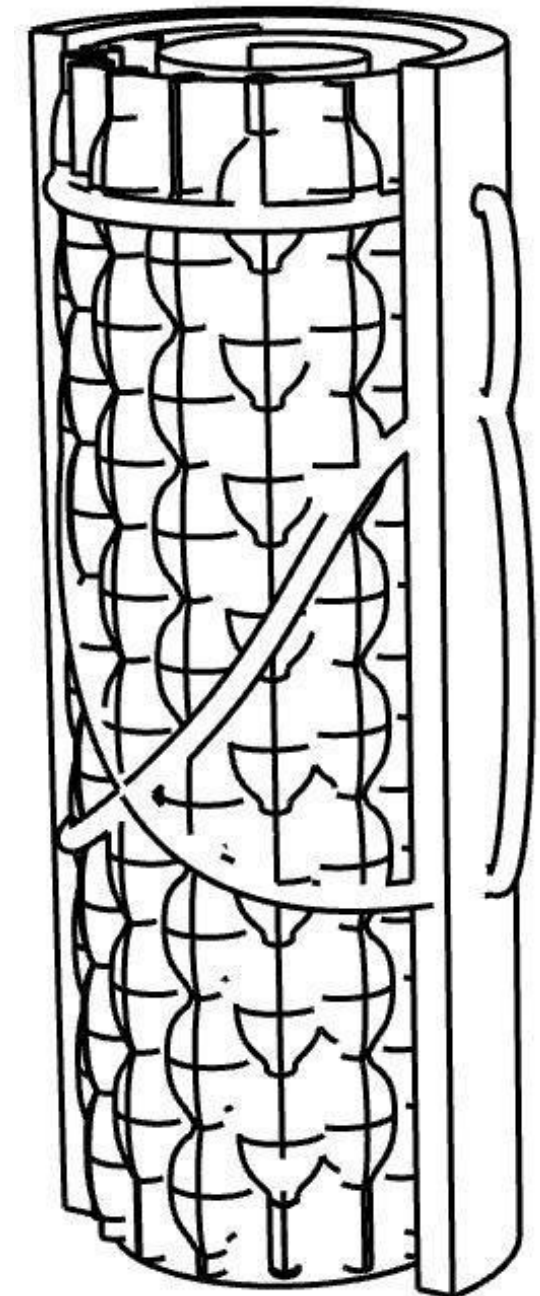
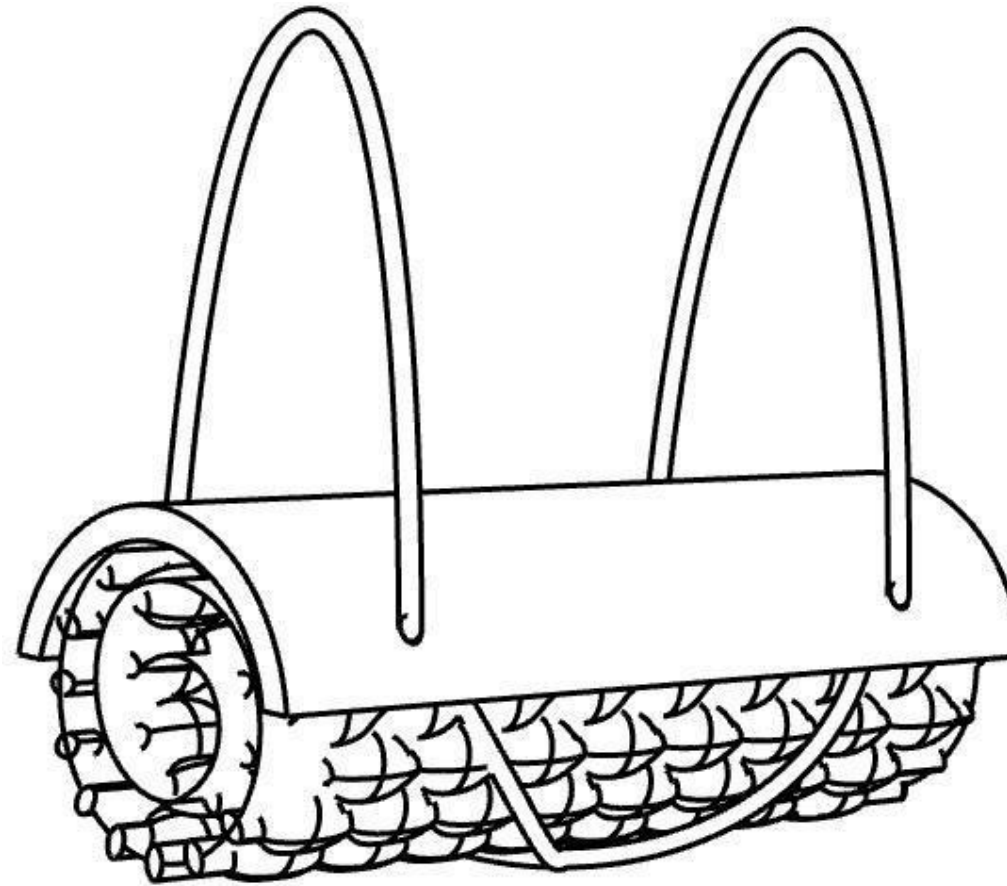


# Bubbles

designer: Hu Jianming      Lin Qiuyan  
Lin Fei      He Jing

materials: Bamboo tube      Gourd membrane

tools:  
Polishing machine  
Welding gun  
Screwdriver  
Scissors  
Drill

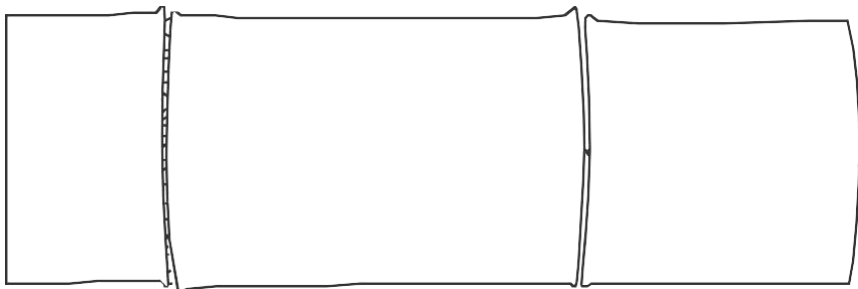


update 2024/5/7

Guangdong University of Technology , Opendesign+DIY Workshop

\*If you meet some problems , please contact us: 2669069546 @qq.com

# Materials



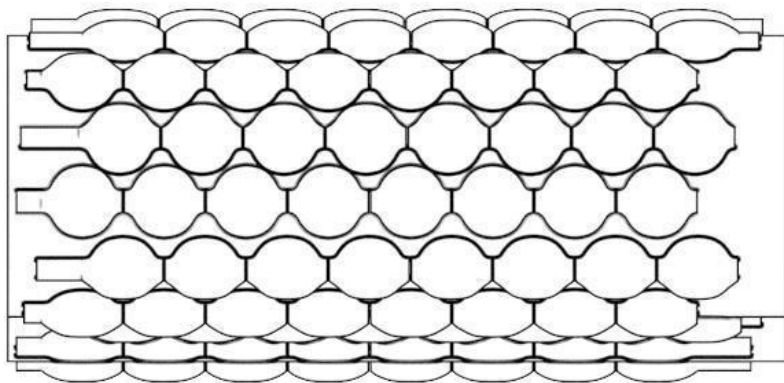
Bamboo  
Φ140mm\*320mm **X1**



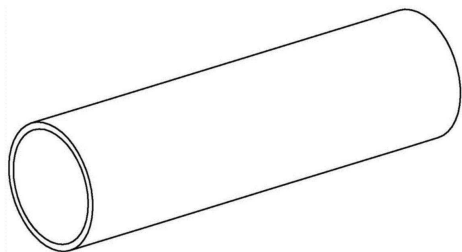
LED strip  
10mm\*220mm **X2**  
12V



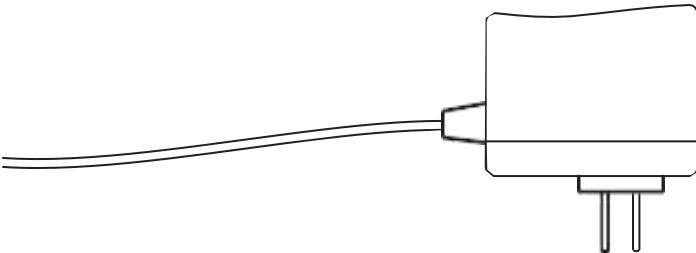
Cable  
5mm\*800mm **X2**



Gourd membrane  
400mm\*320mm **X4**



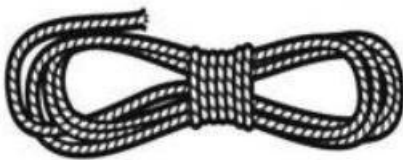
Heat shrink tubing  
Φ14mm\*35mm **X2**



Transformer **X2**  
from 220V to 12V



Small bamboo chips  
20mm\*65mm **X2**

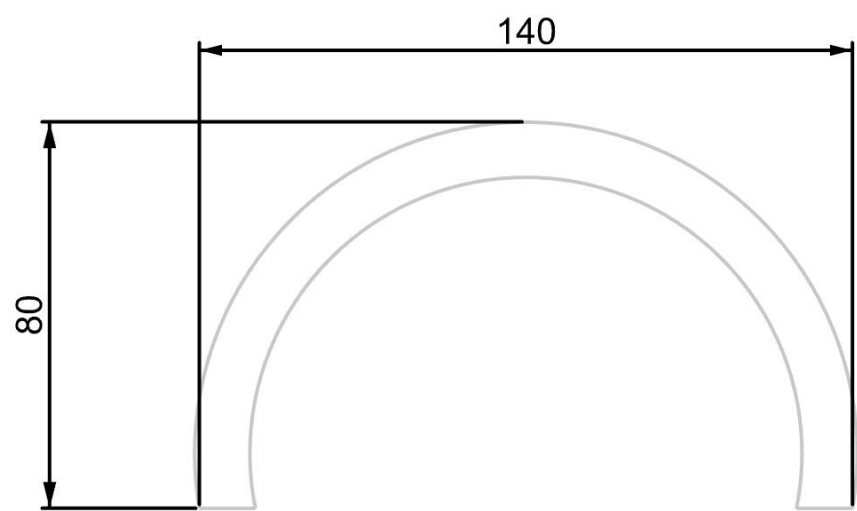


Climbing rope  
4mm\*200mm **X2**

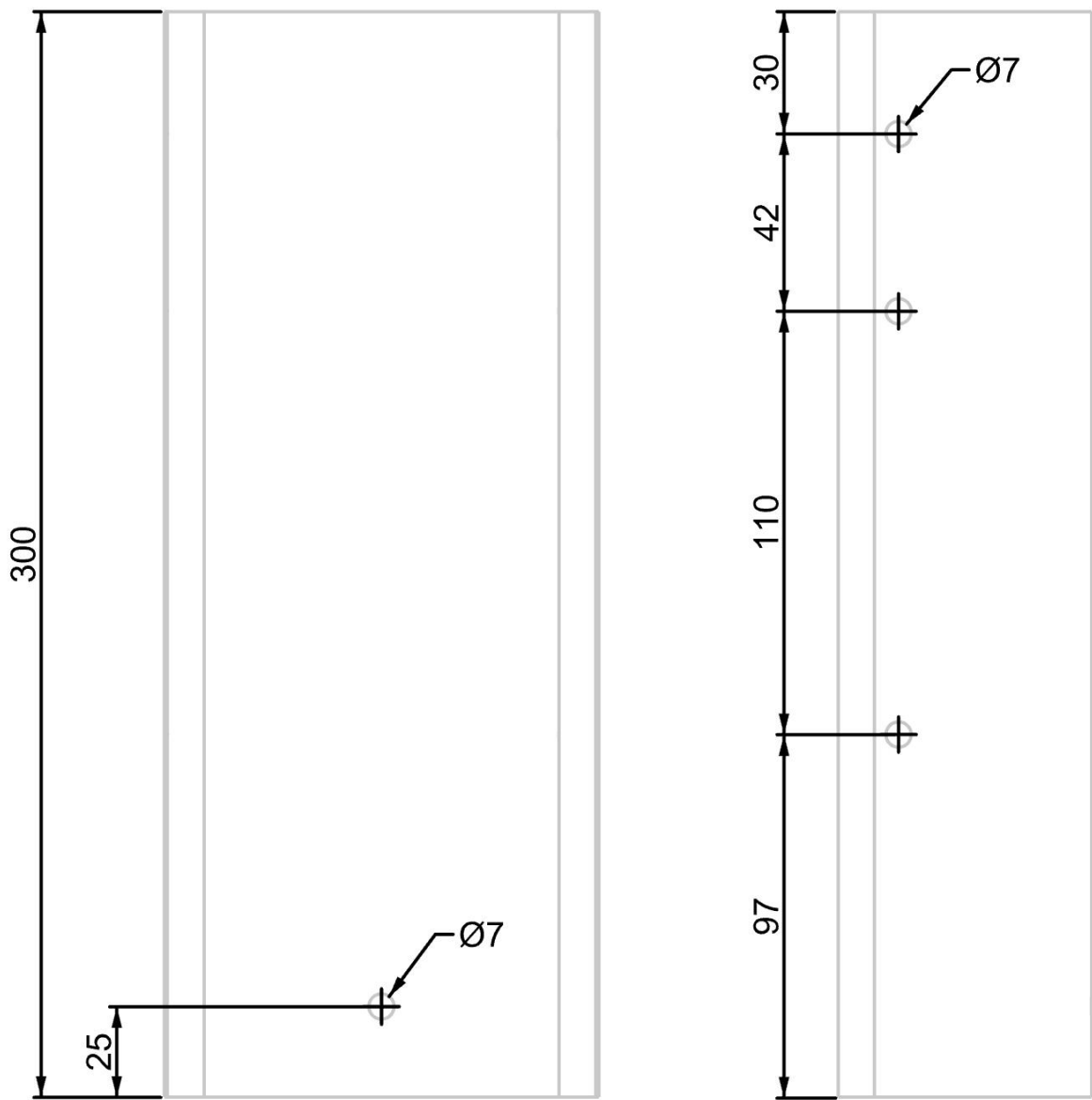


Self tapping screws  
M2.5\*8mm **X4**

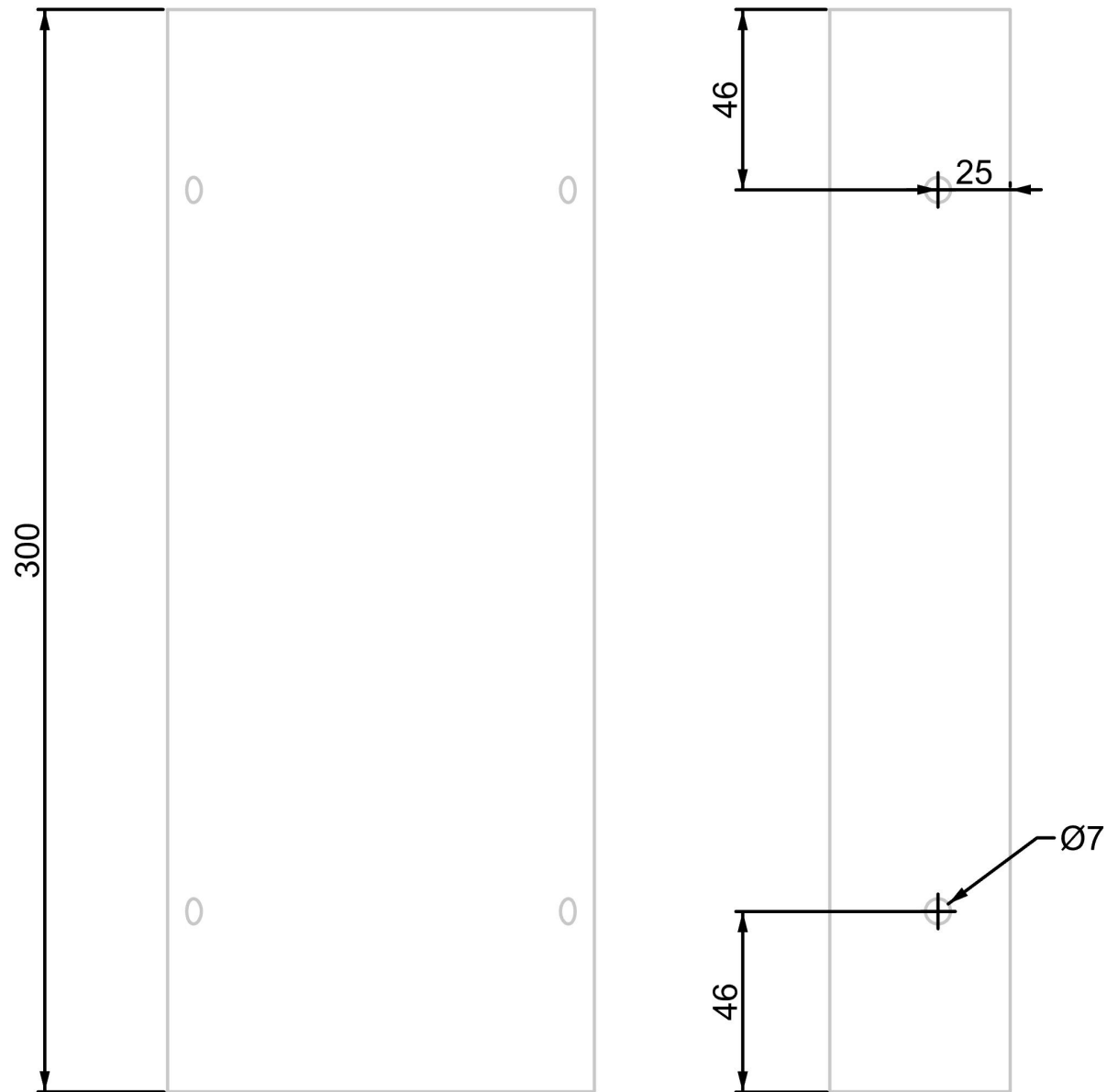
# Product size



A

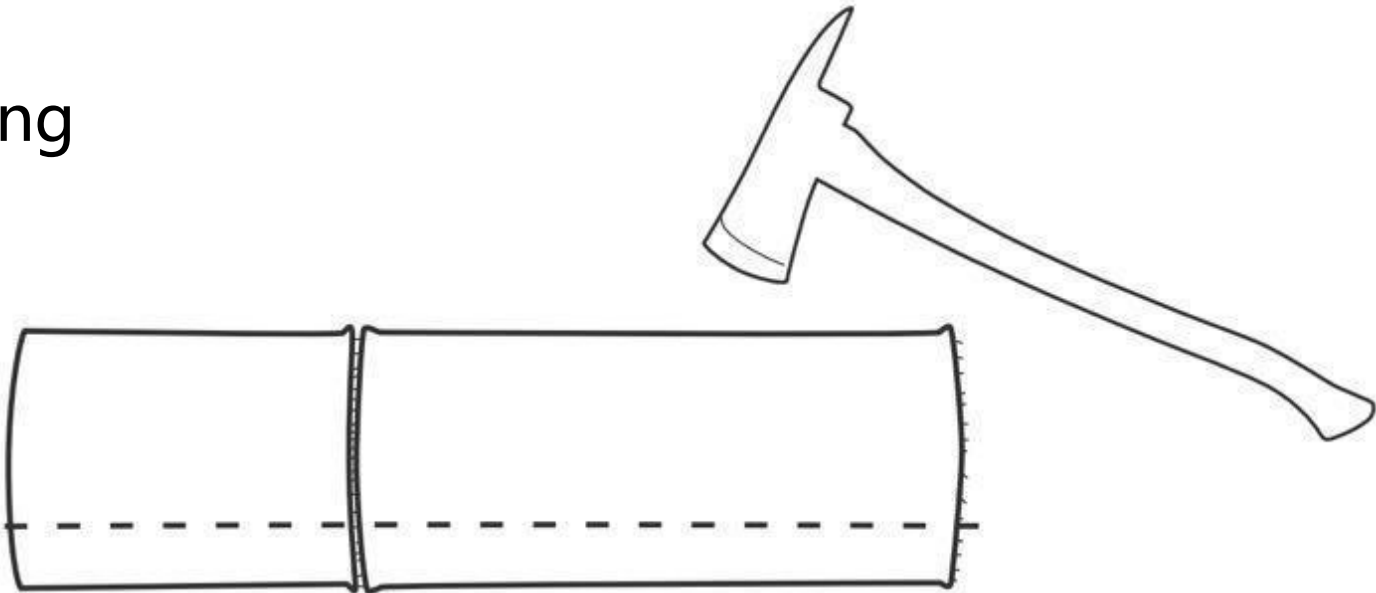


B



# Assembly

Sawing

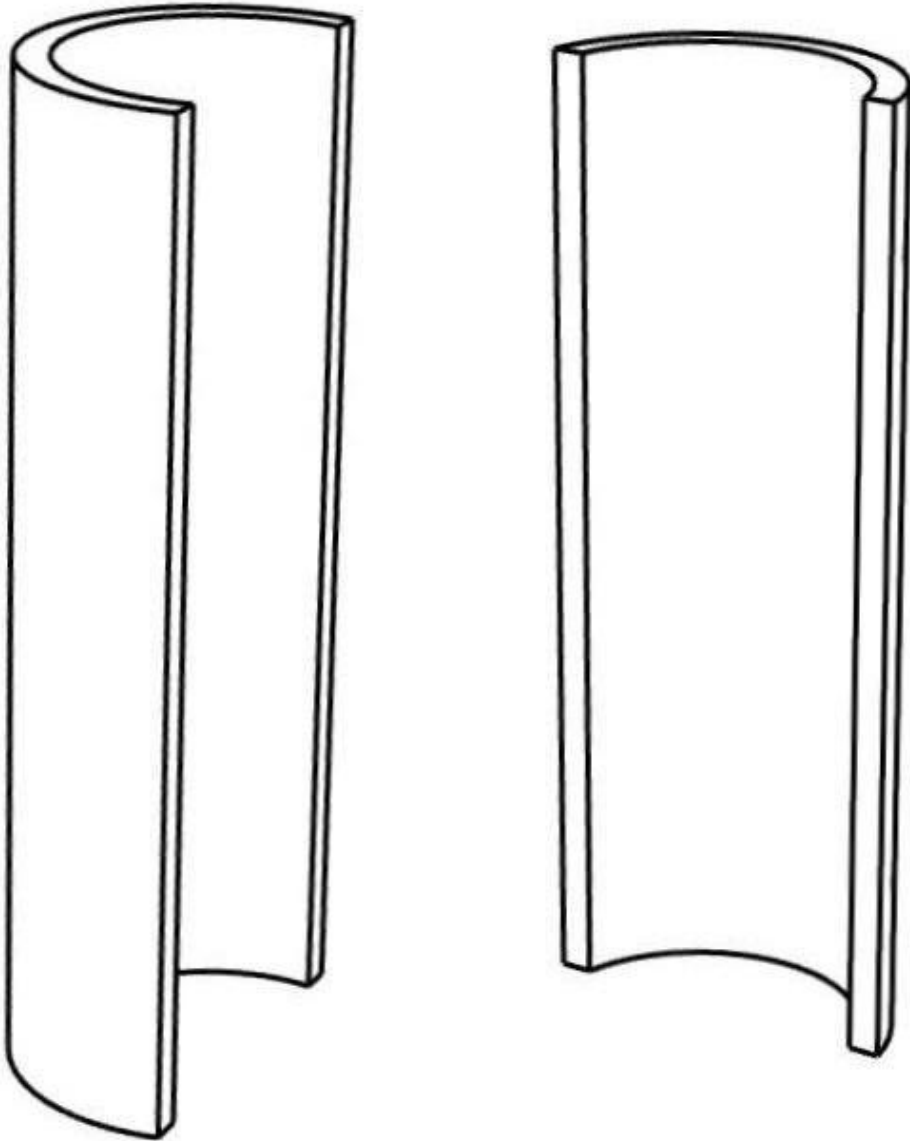


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2/3

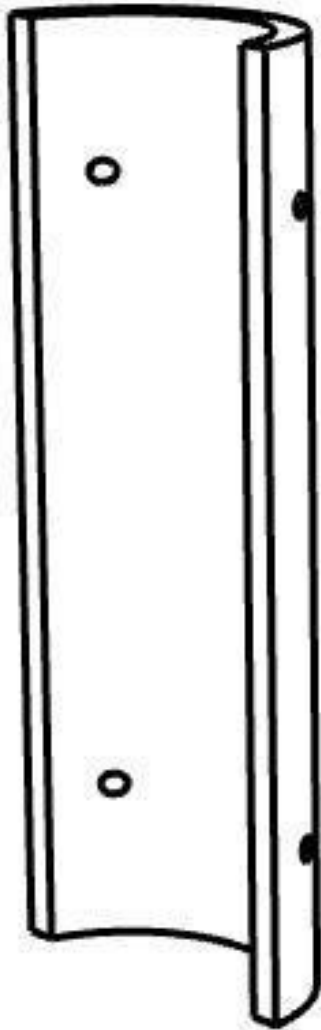
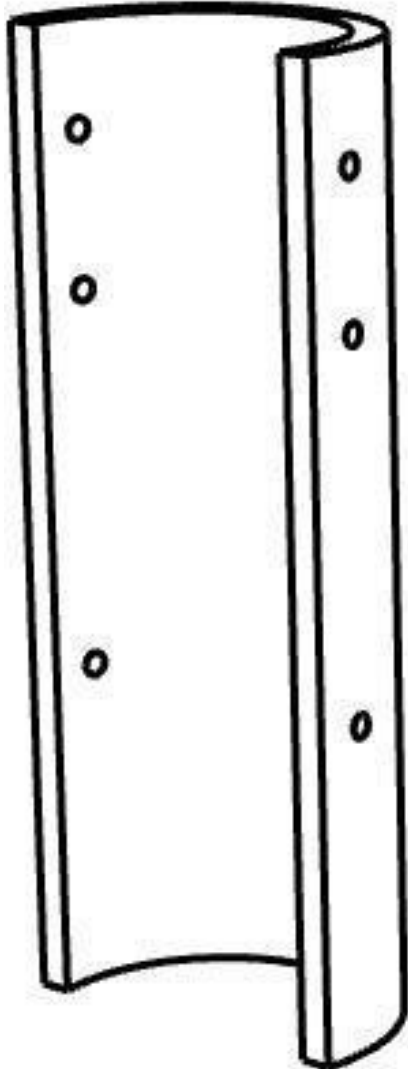
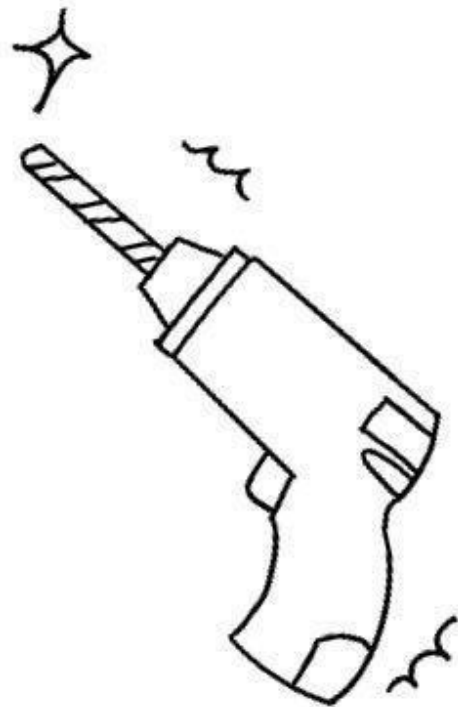
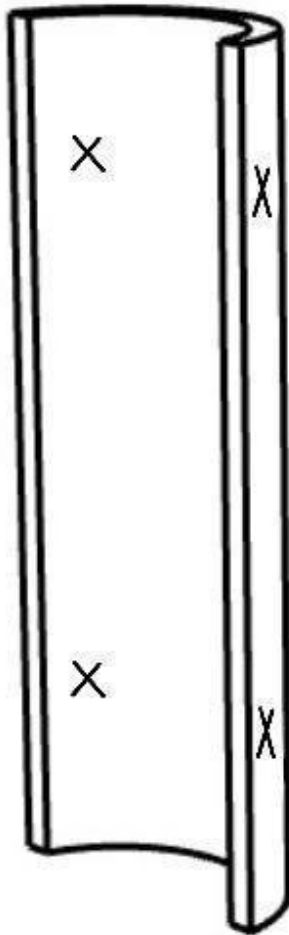
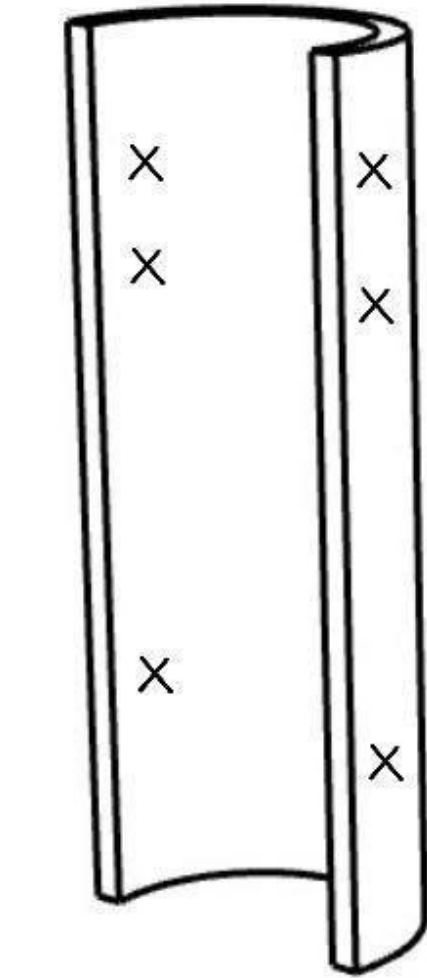
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1/3



# Assembly

Drill holes with drill bits

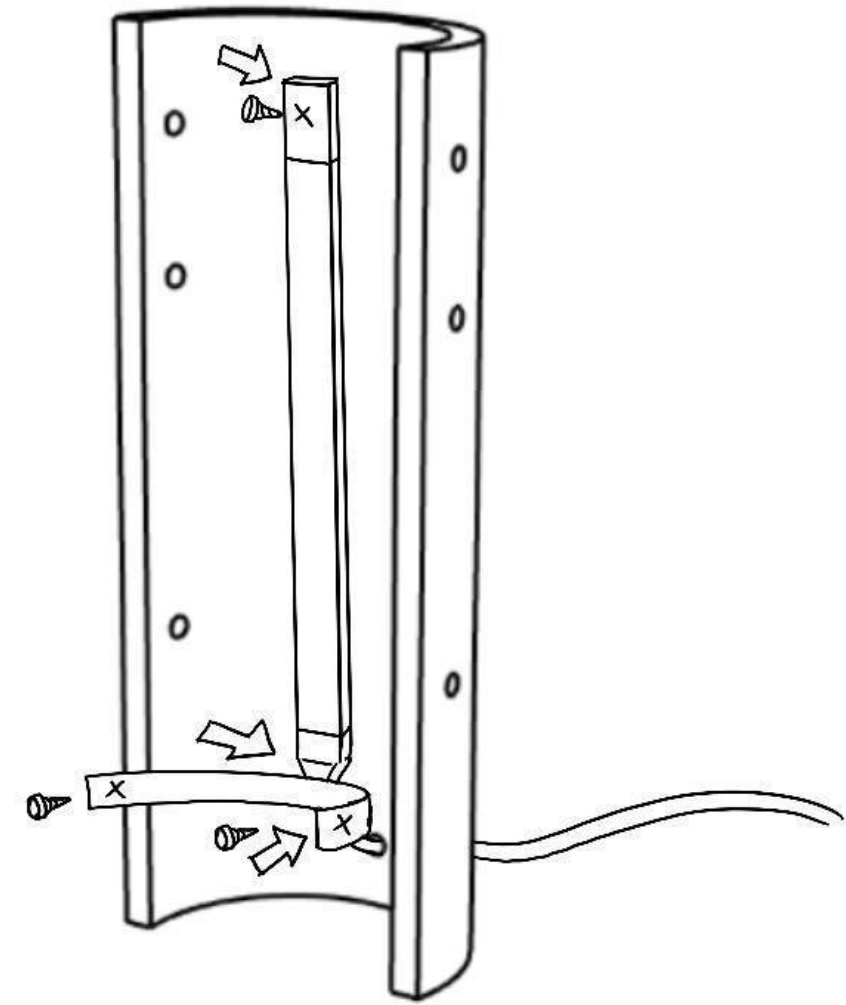


# Assembly

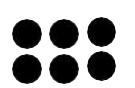
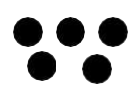
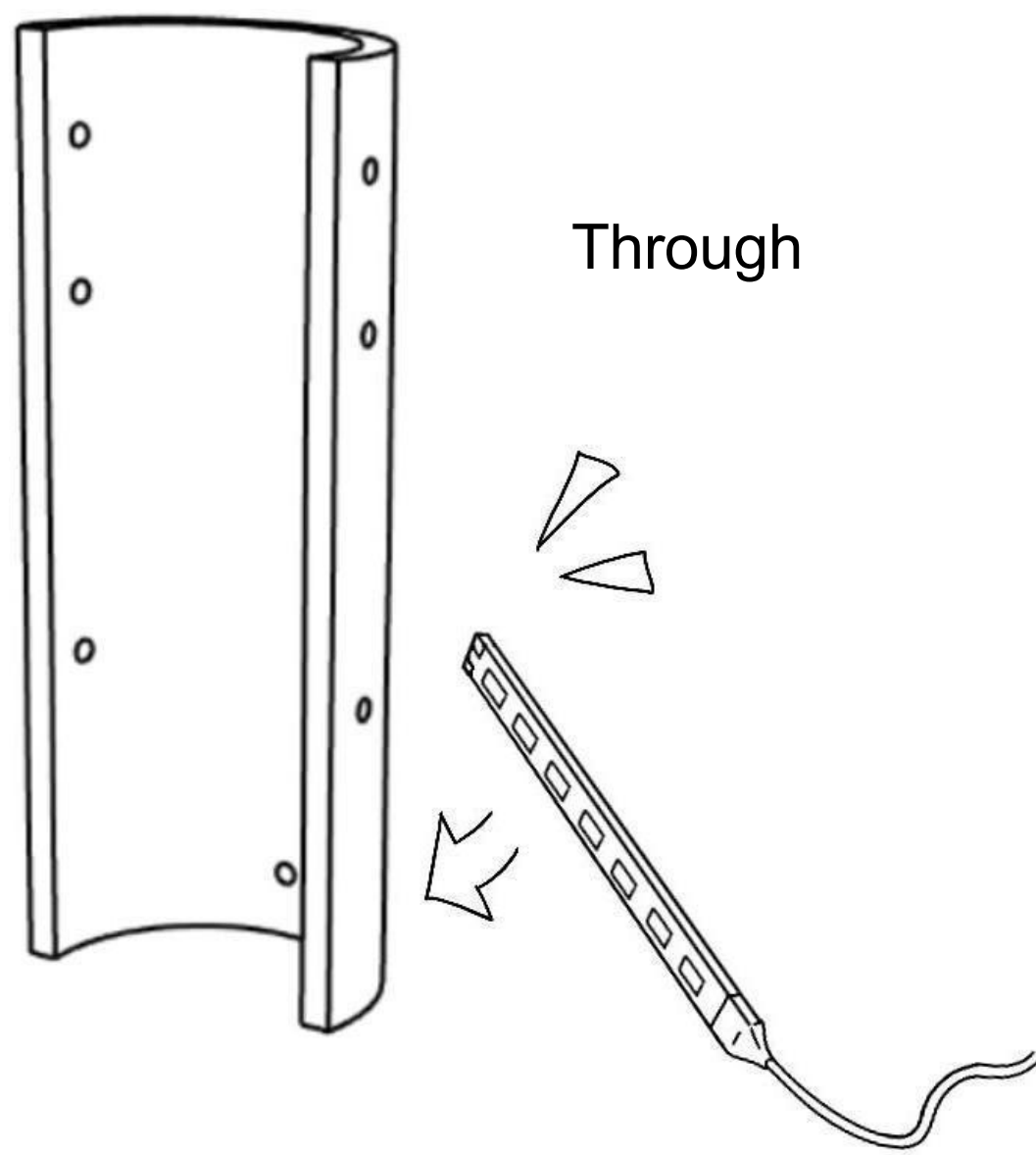
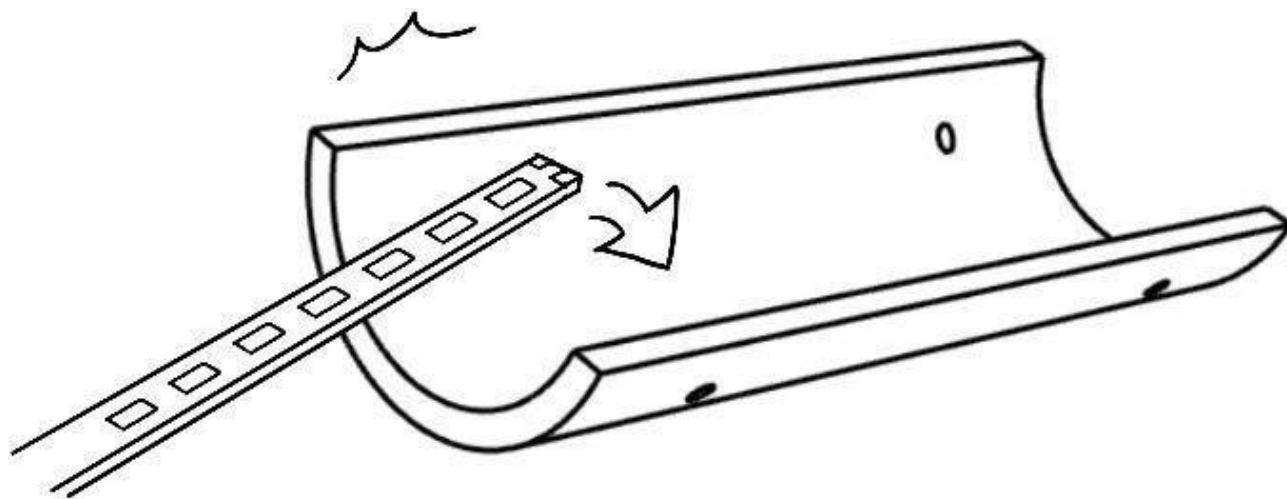
Fix with small nails

Place the light bar

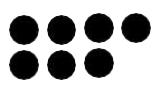
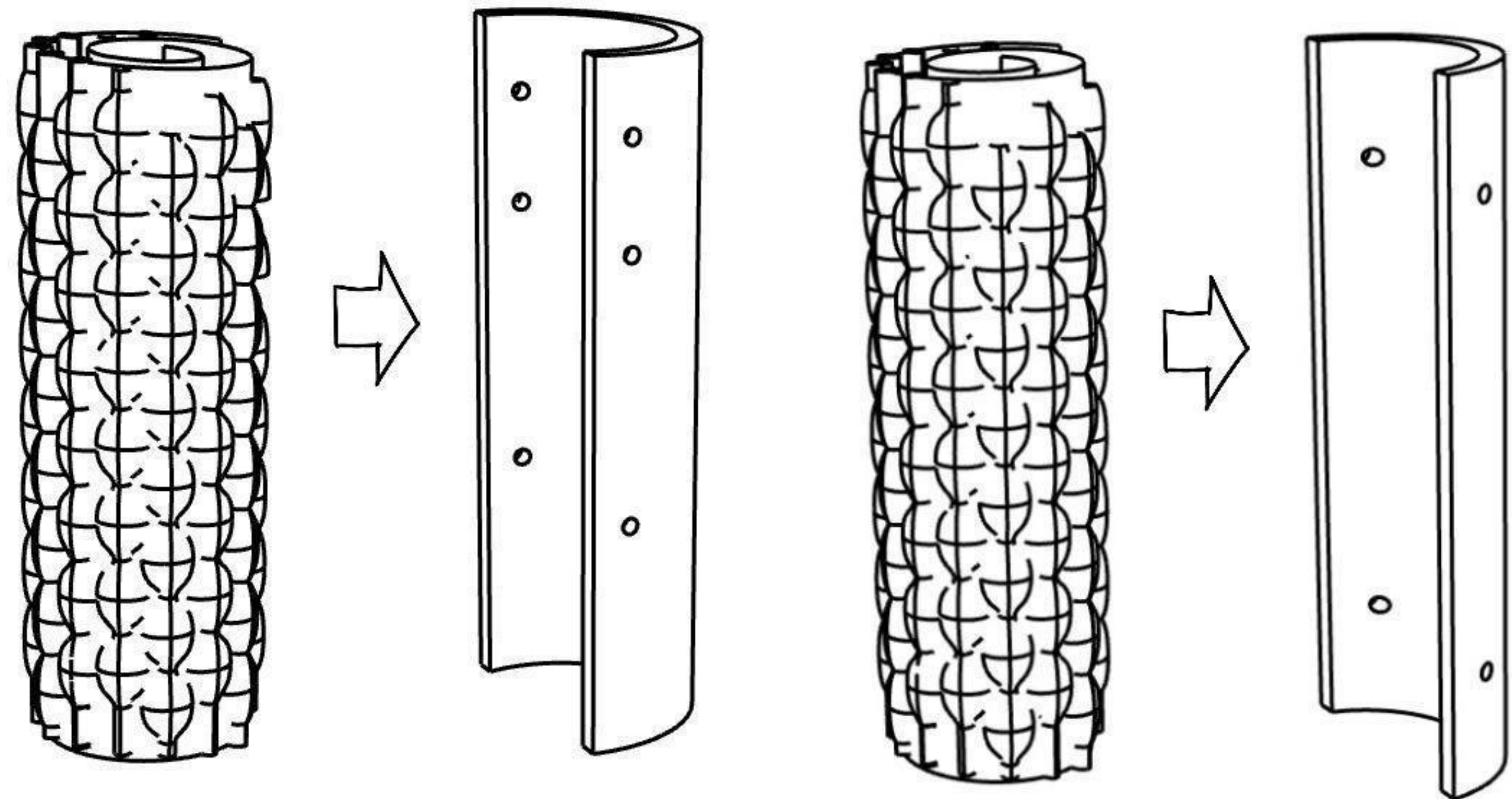
Through



Small bamboo chips are drilled

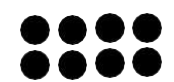
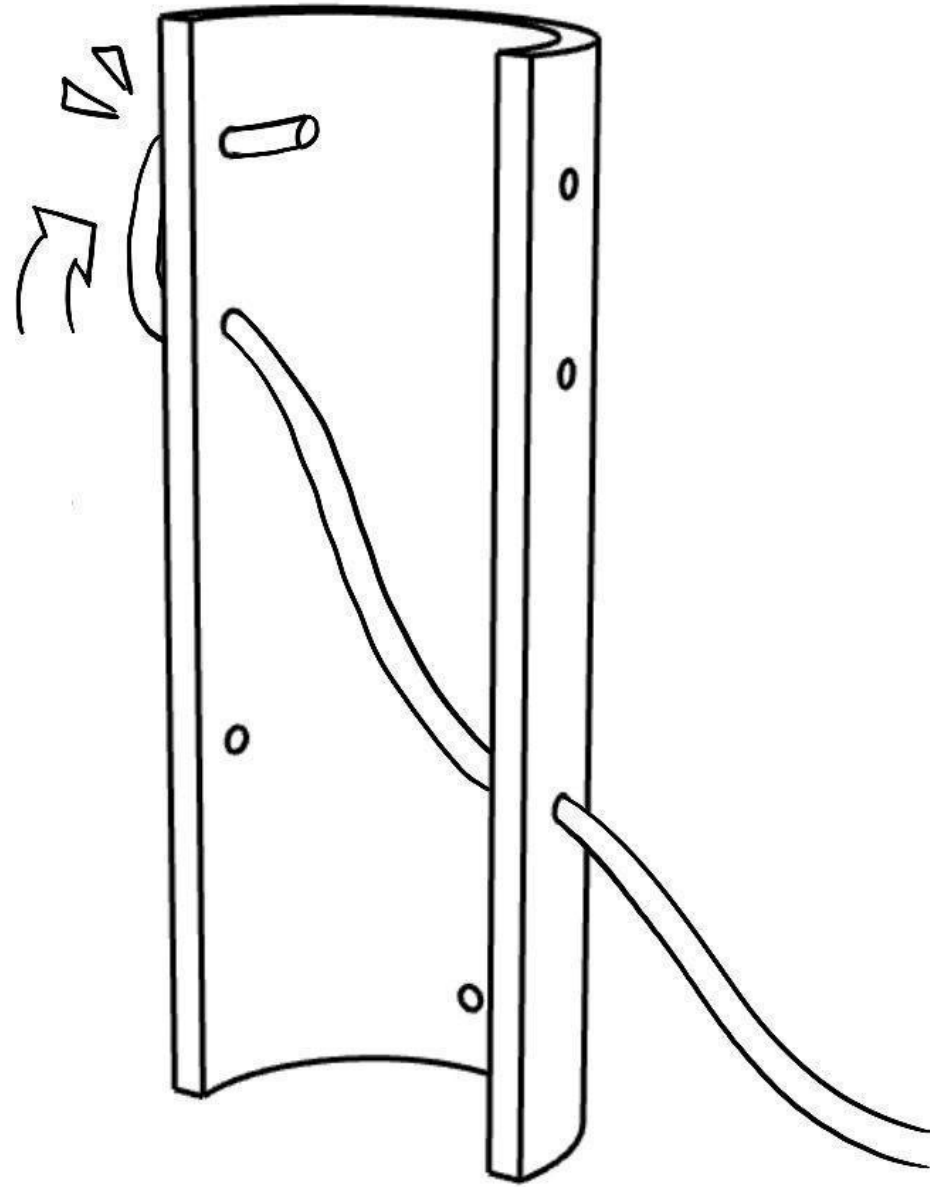


# Assembly

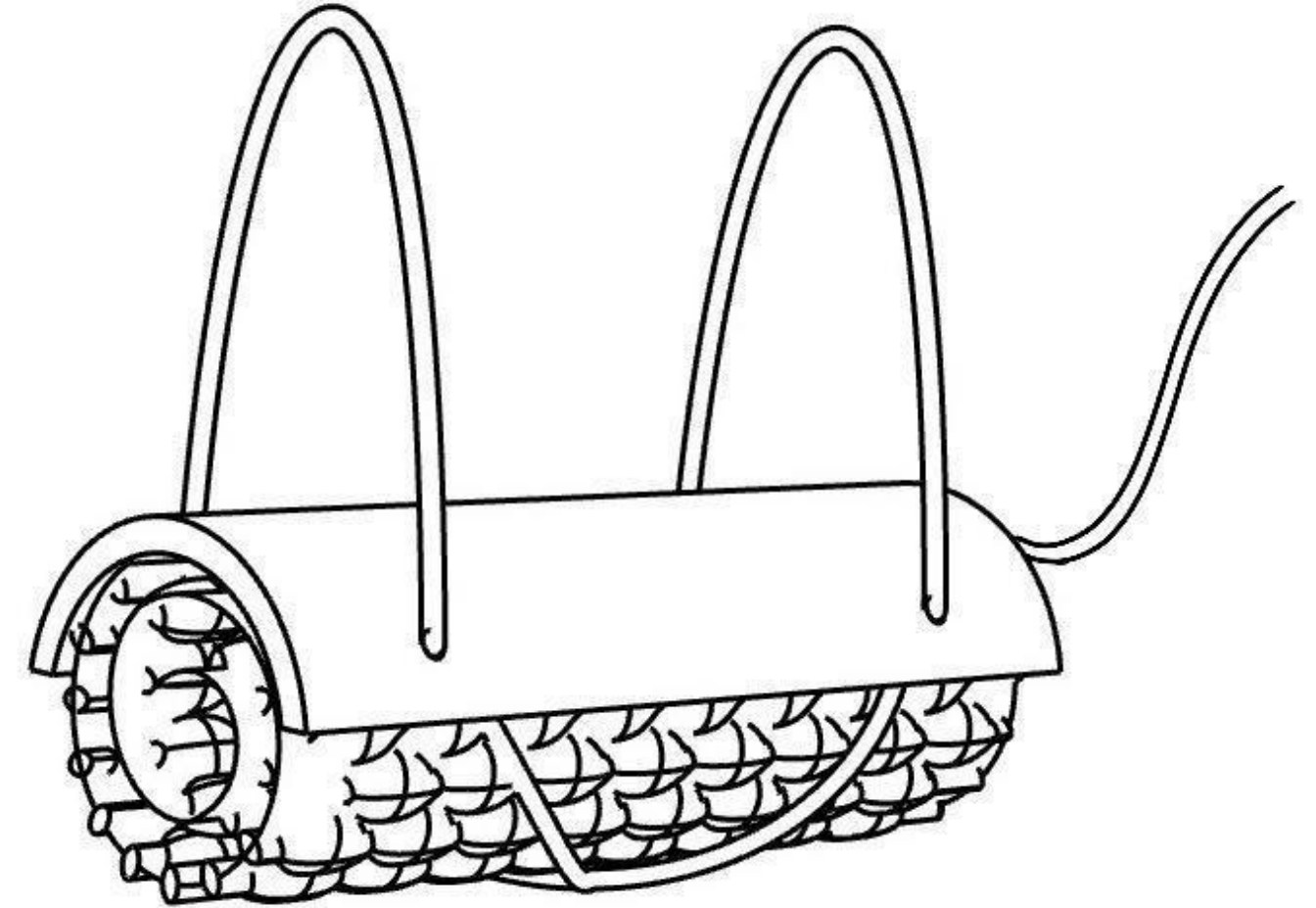
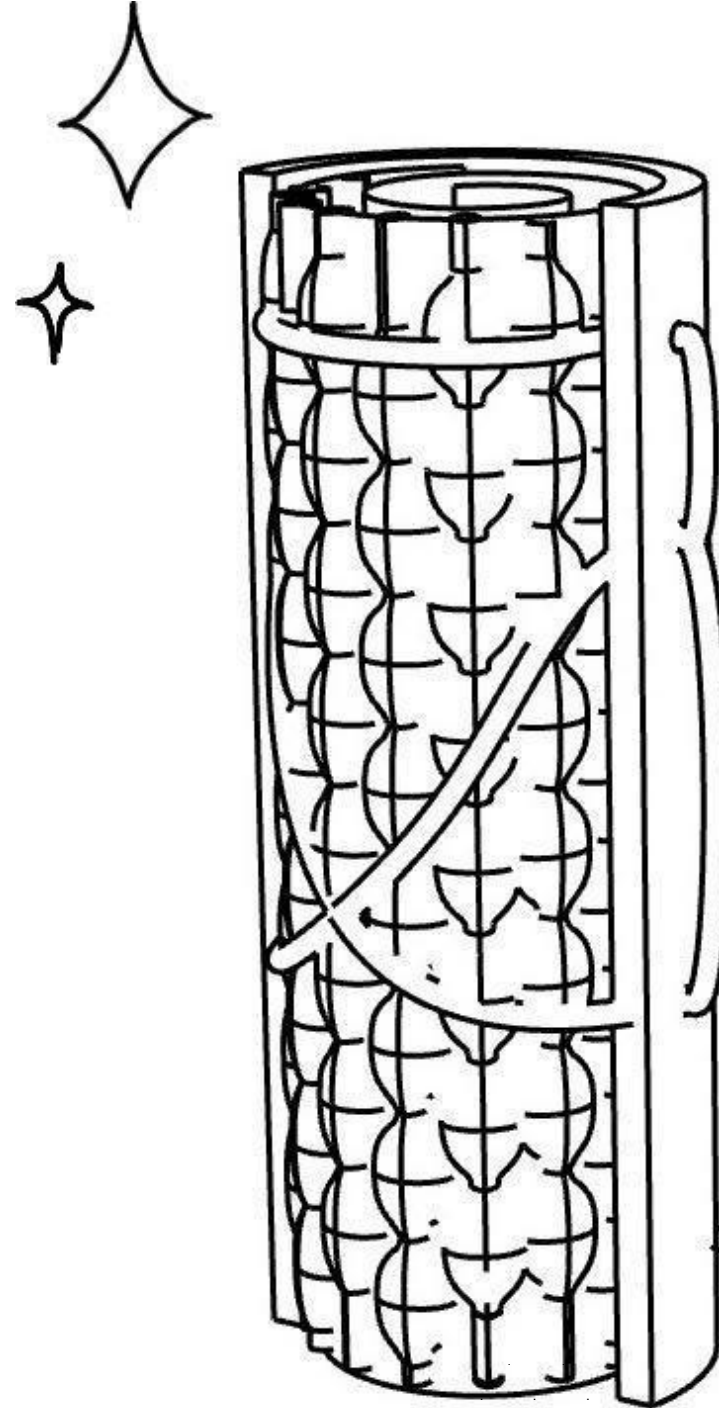


Bubble wrap rolled up

# Assembly



Climbing rope through



Done