

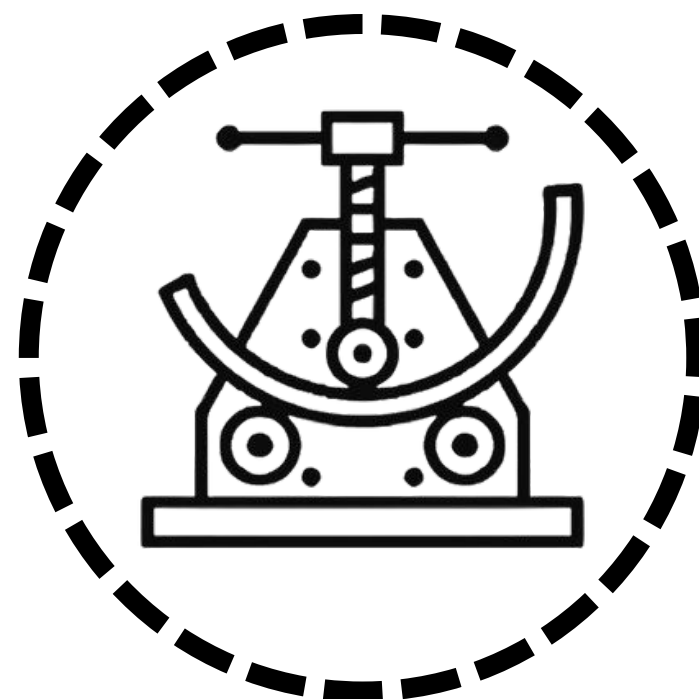
# Wheelchair to Stroller Connector

Instructions and Assembly

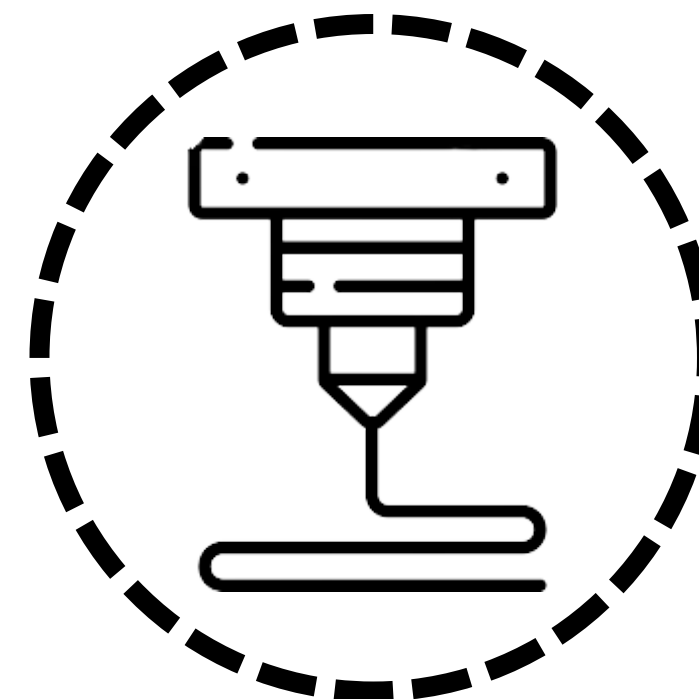




# Required Skills



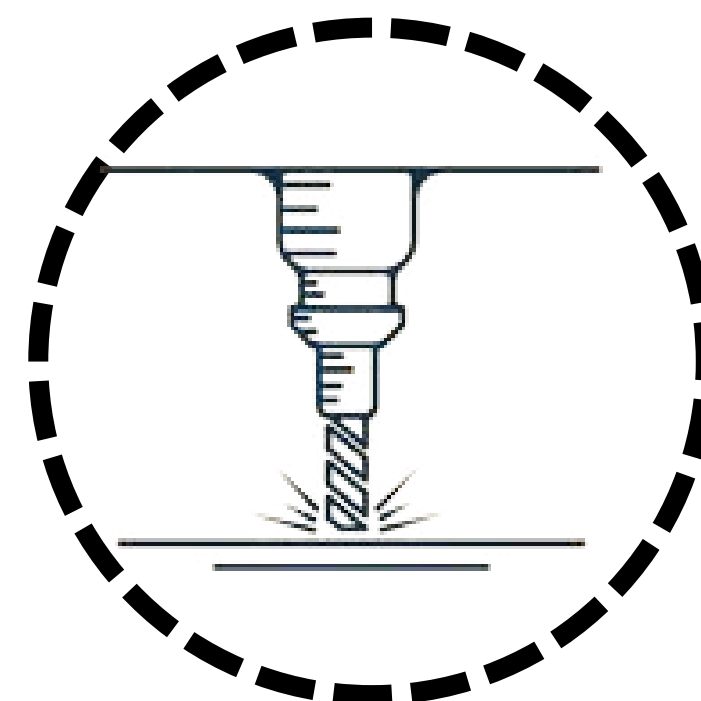
Pipe bending



3D Printing



Laser cutting



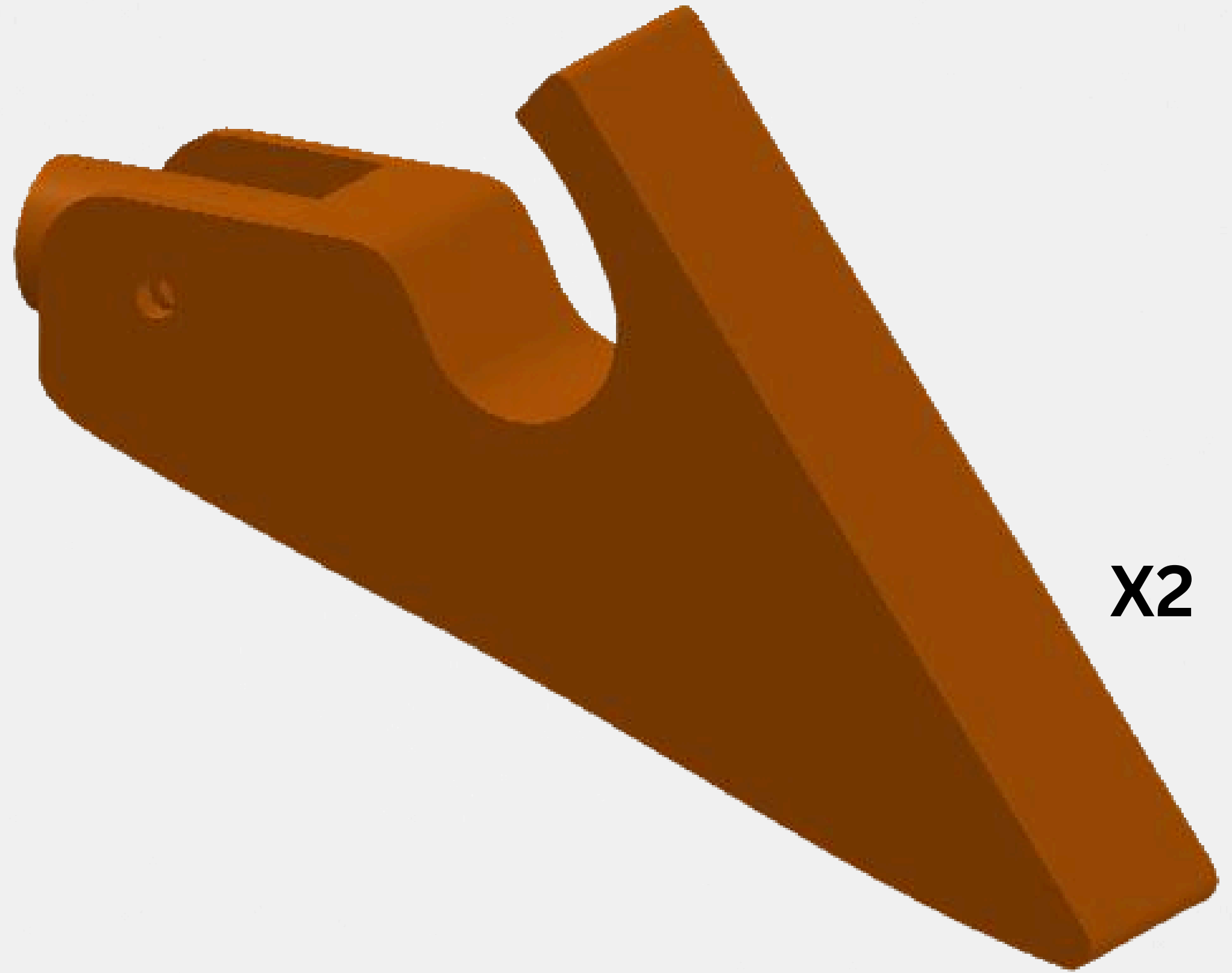
Machining

# Bill of Materials

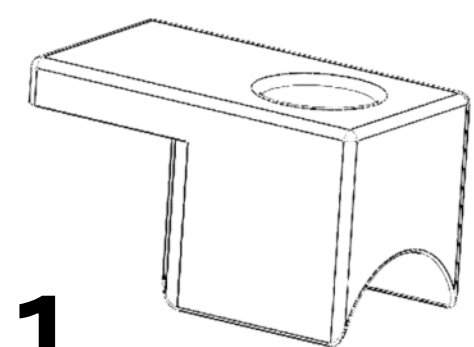
Component	Info	Amount
1. stopper	PETG CF 3D STL File	2
2. Leading pipe	Aluminum pipe 22MM/450MM	2
3. stroller connector Sides	Aluminum 3MM DXF file	4
4. stroller connector right	PETG CF 3D STL	2
5. stroller connector middle	Aluminum 3MM DXF file	2
6. stroller connector left	PETG 3D Print STL File	2
7. Triride connector	<a href="https://www.trirideitalia.com/en/">https://www.trirideitalia.com/en/</a>	2

Component	Info	Amount
8. Stainless steel Hexagon Socket Flat Countersunk Head Screw	M5 / 35MM	8
9.Stainless steel Hexagon Socket Flat Countersunk Head Screw	M3 /35MM	2
10. Self-Locking Nut Stainless Steel DIN 985 A2	M5	8
11. Self-Locking Nut Stainless Steel DIN 985 A2	M3	2
12. Stainless Steel Spring Washer	M5	8
13. Stainless Steel Spring Washer	M3	2

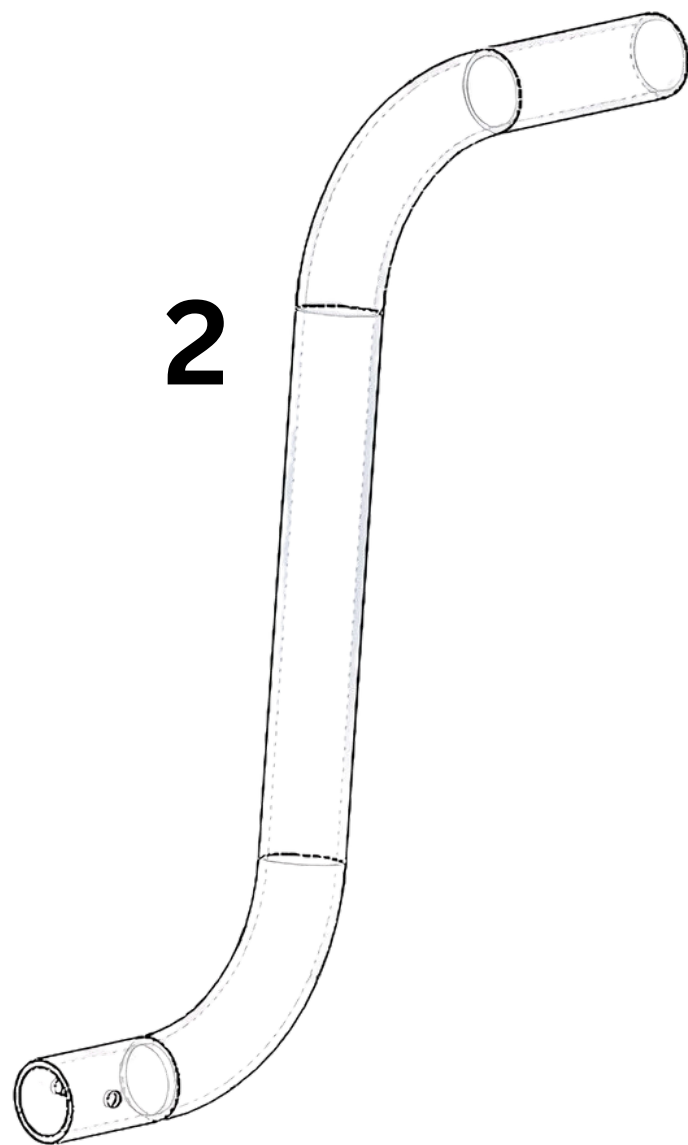
**Option 1 of 2 to  
to print the  
entire  
connector of  
the baby  
stroller.  
Strong option  
but will last less  
time.  
Recommended  
to print at 80%  
fill, PETG CF.**







1

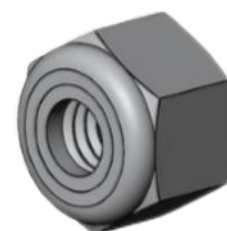


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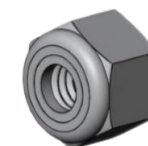
7



10



11



12



13



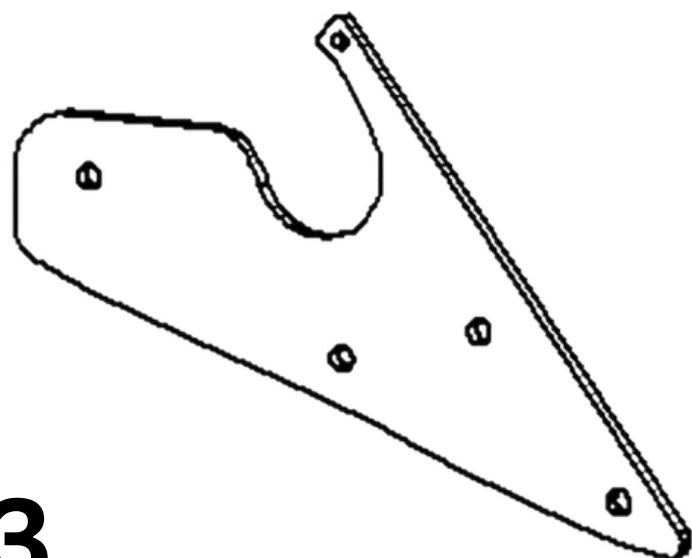
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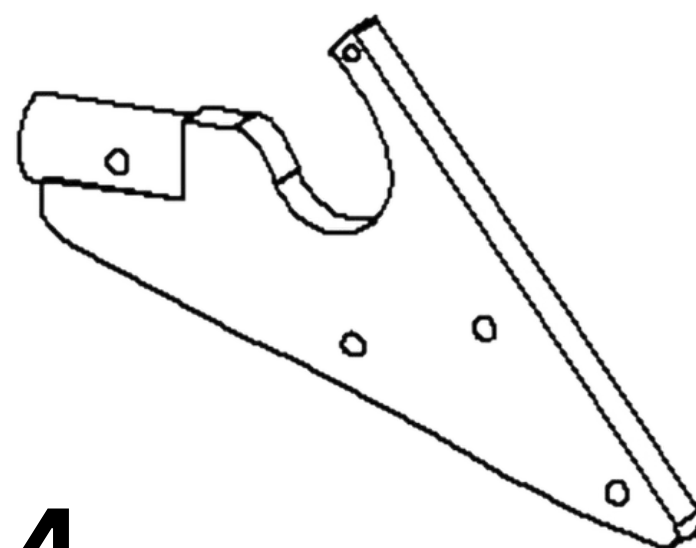
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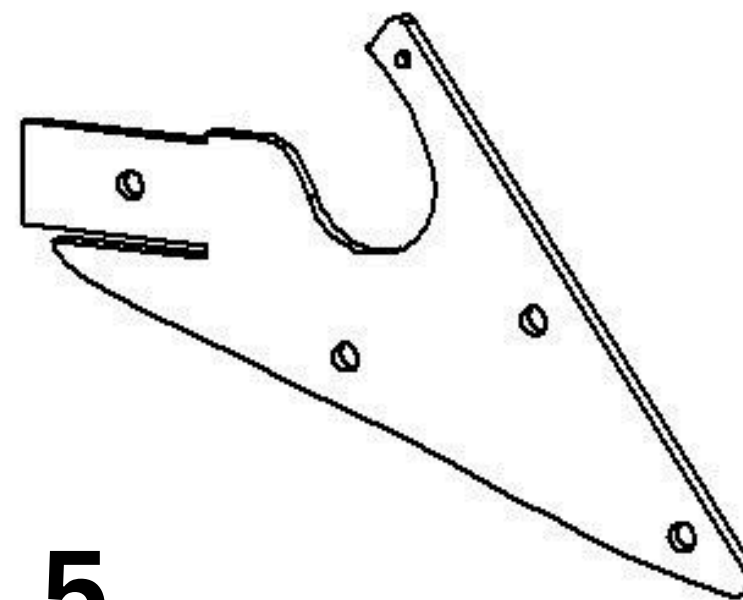
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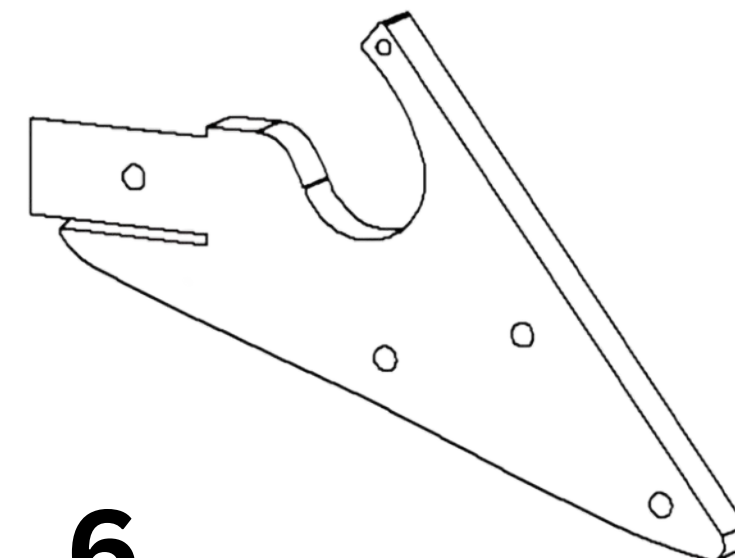
4



5



6





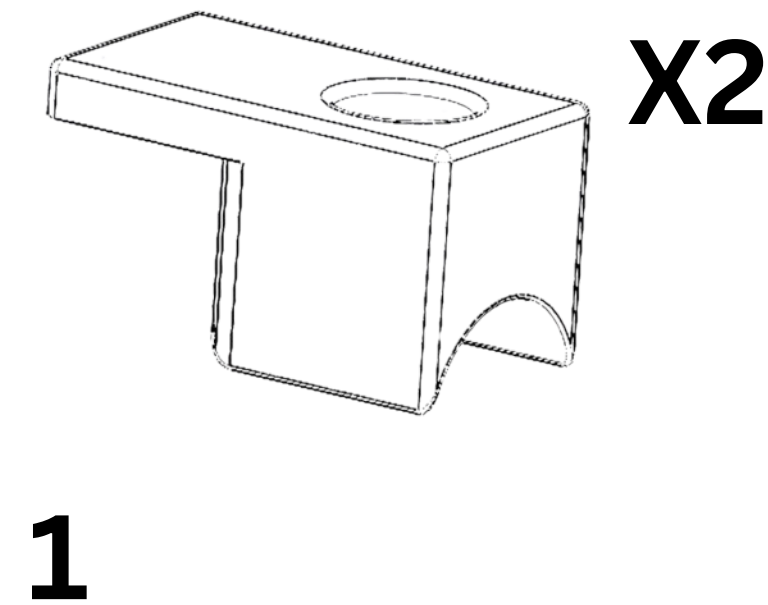
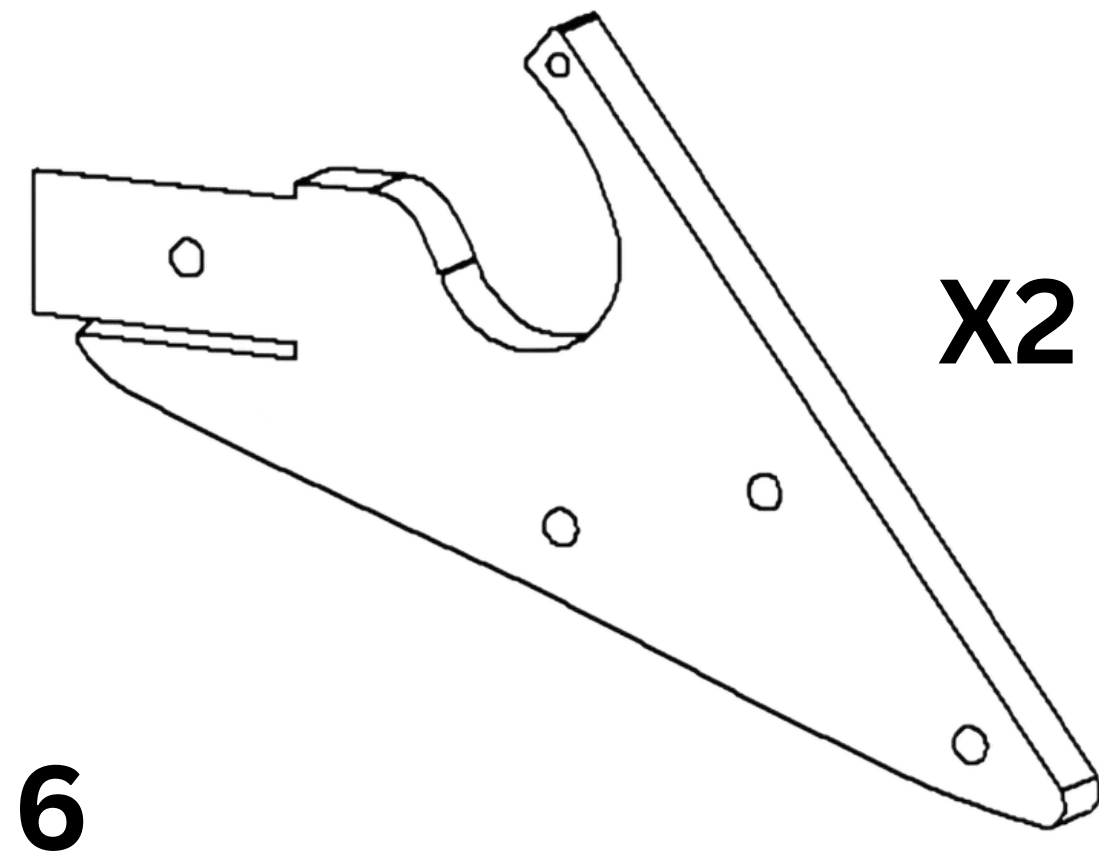
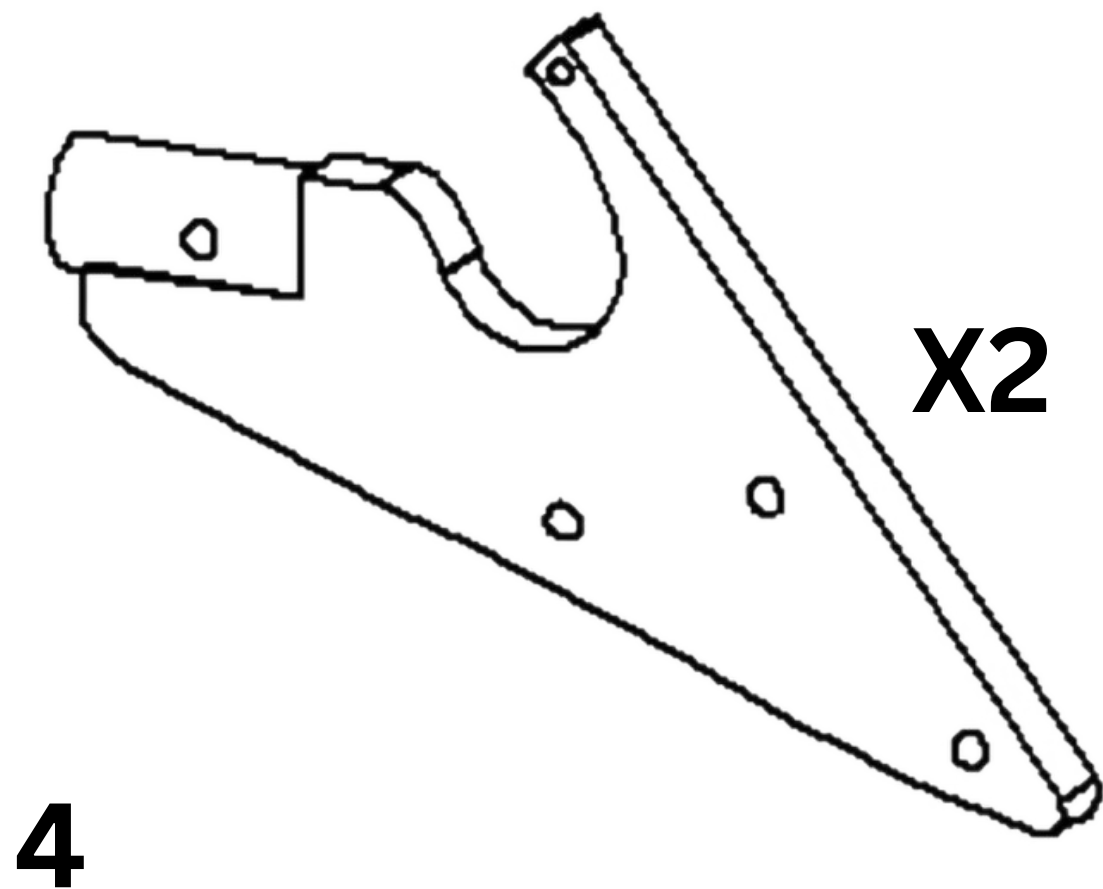
# Parts for Purchase



X2

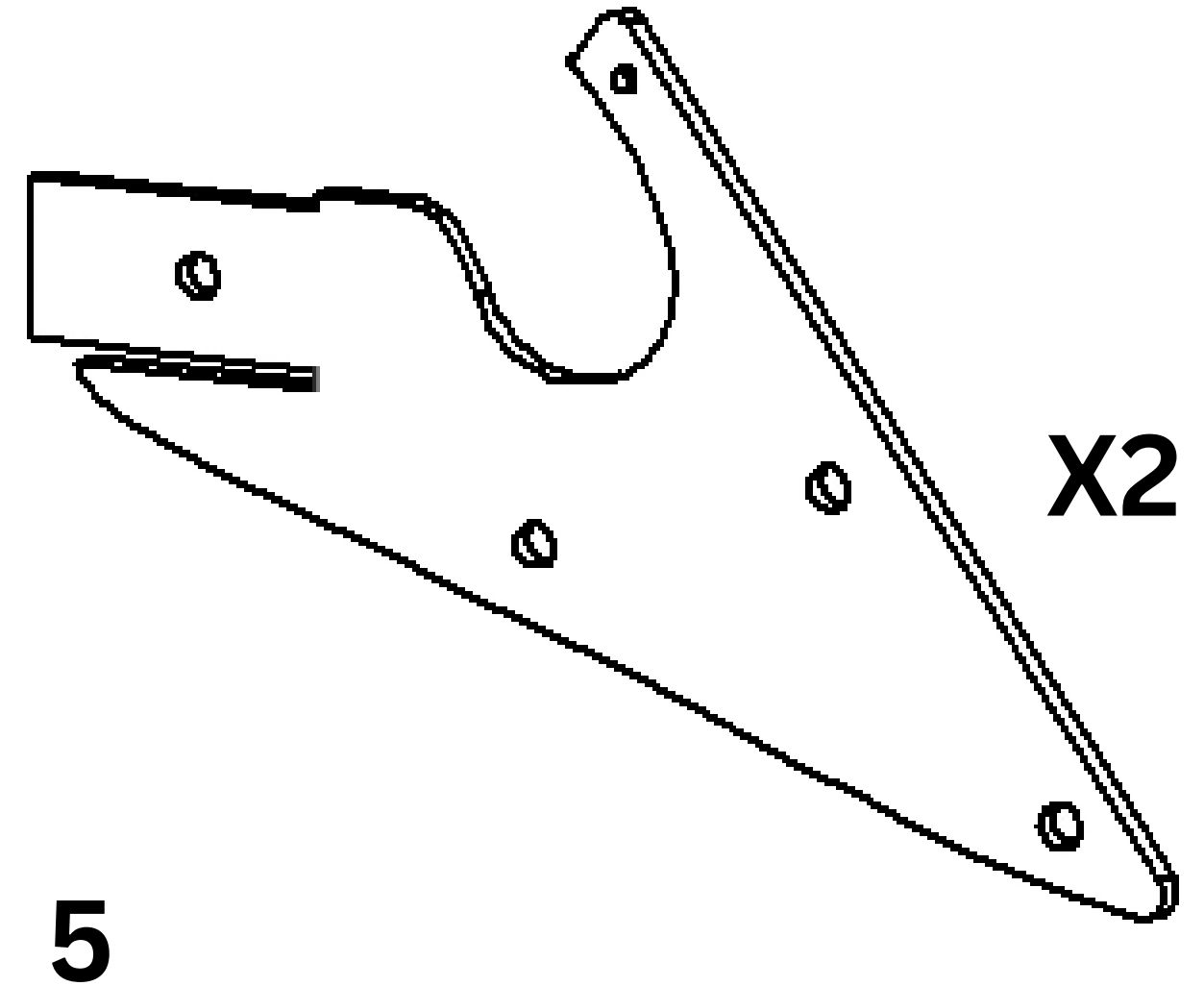
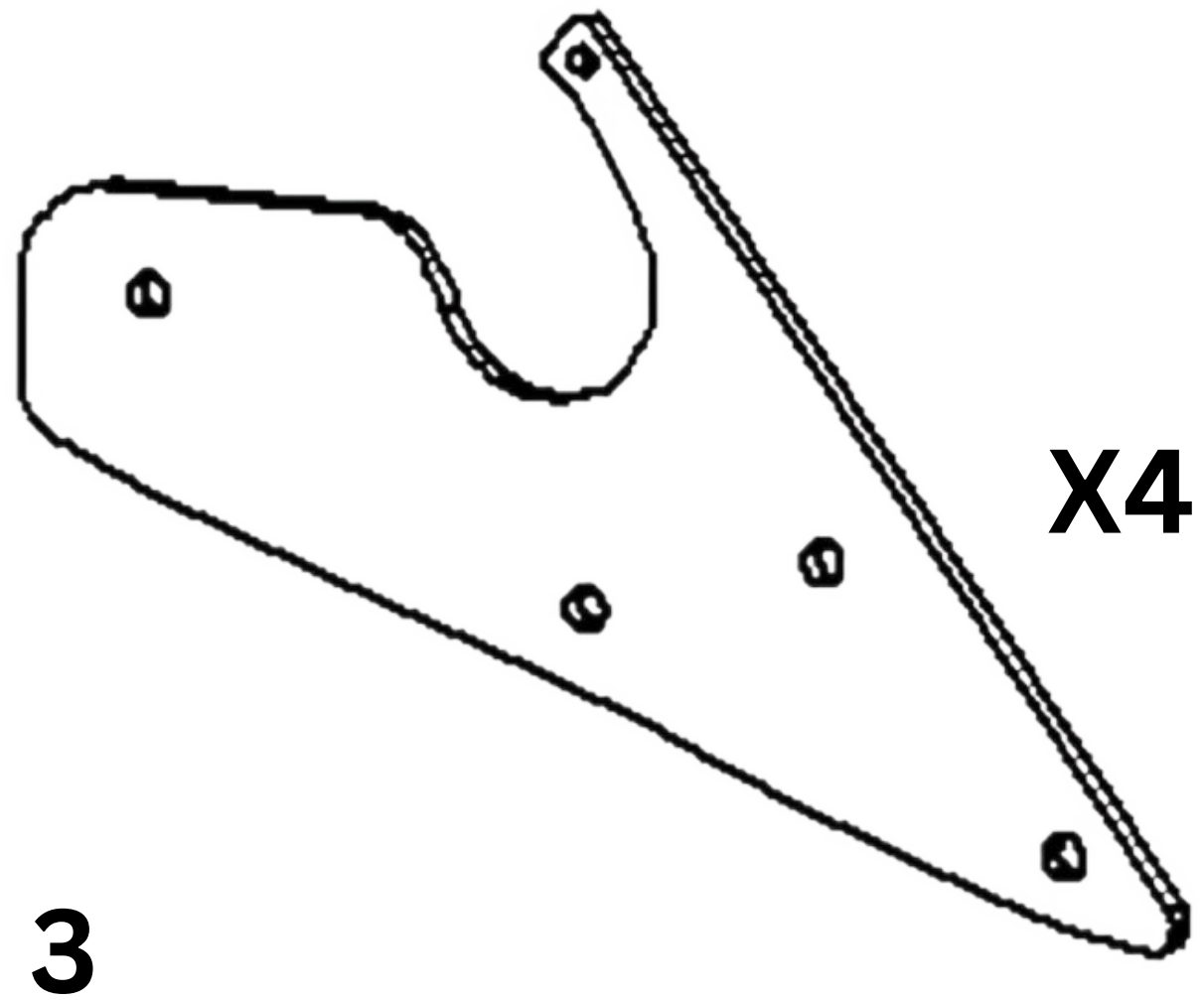


# 3D Printing Parts



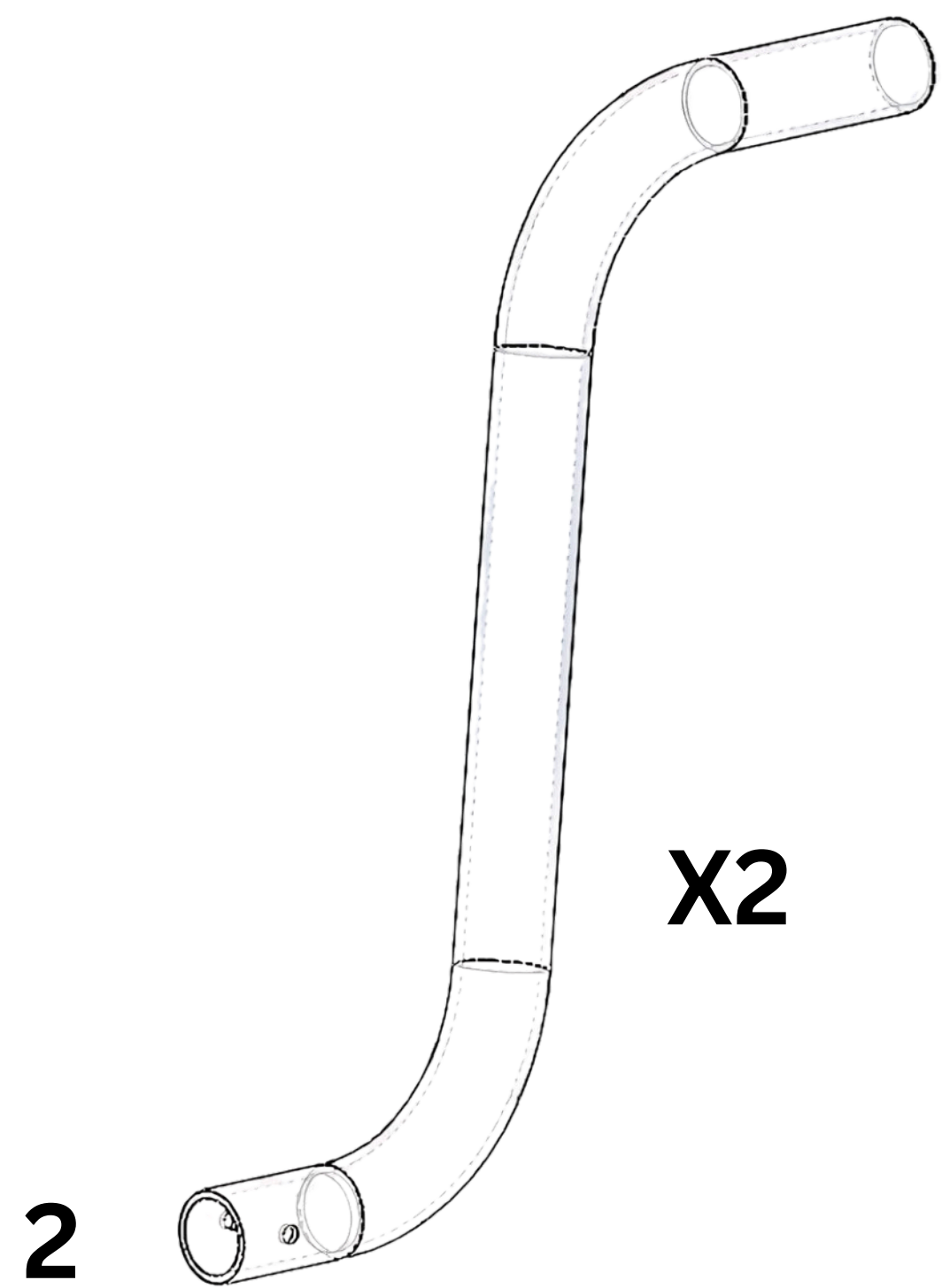


# Laser Cutting Parts



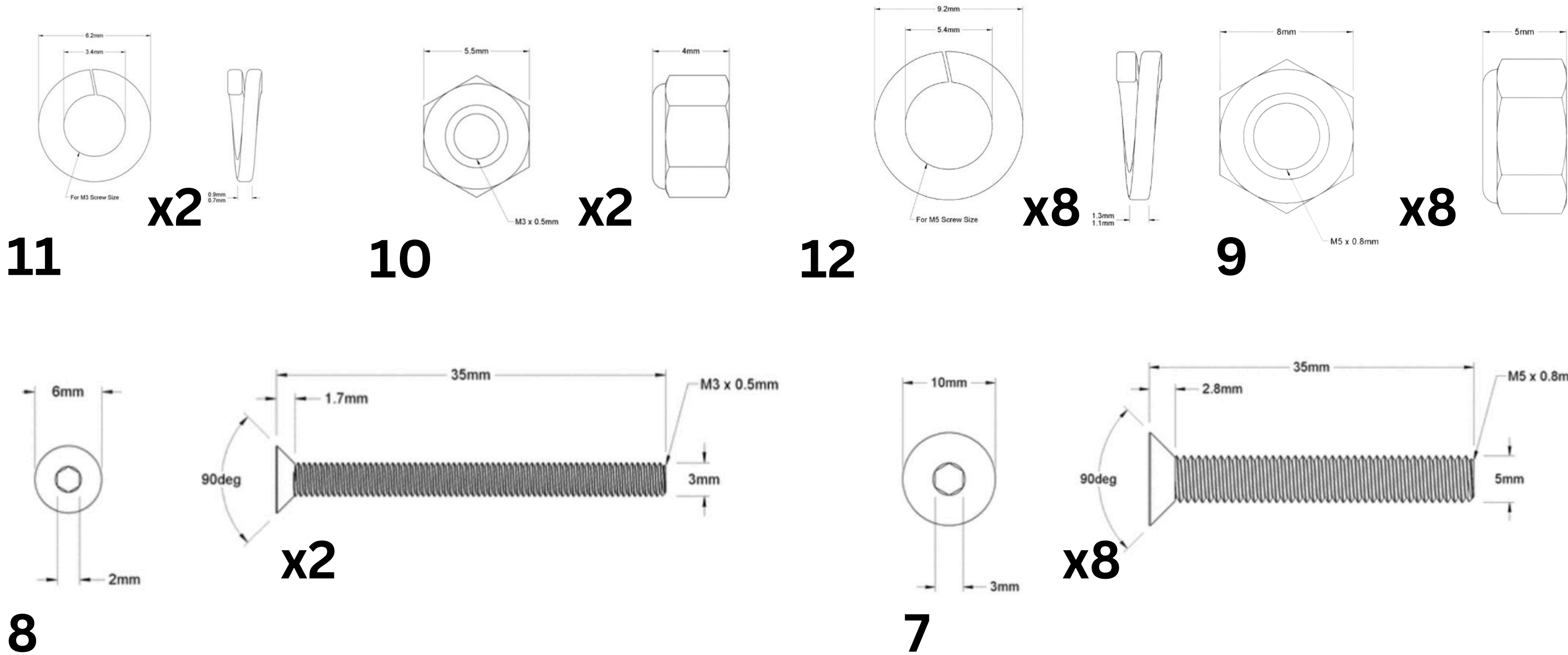


# Pipe Bending Parts



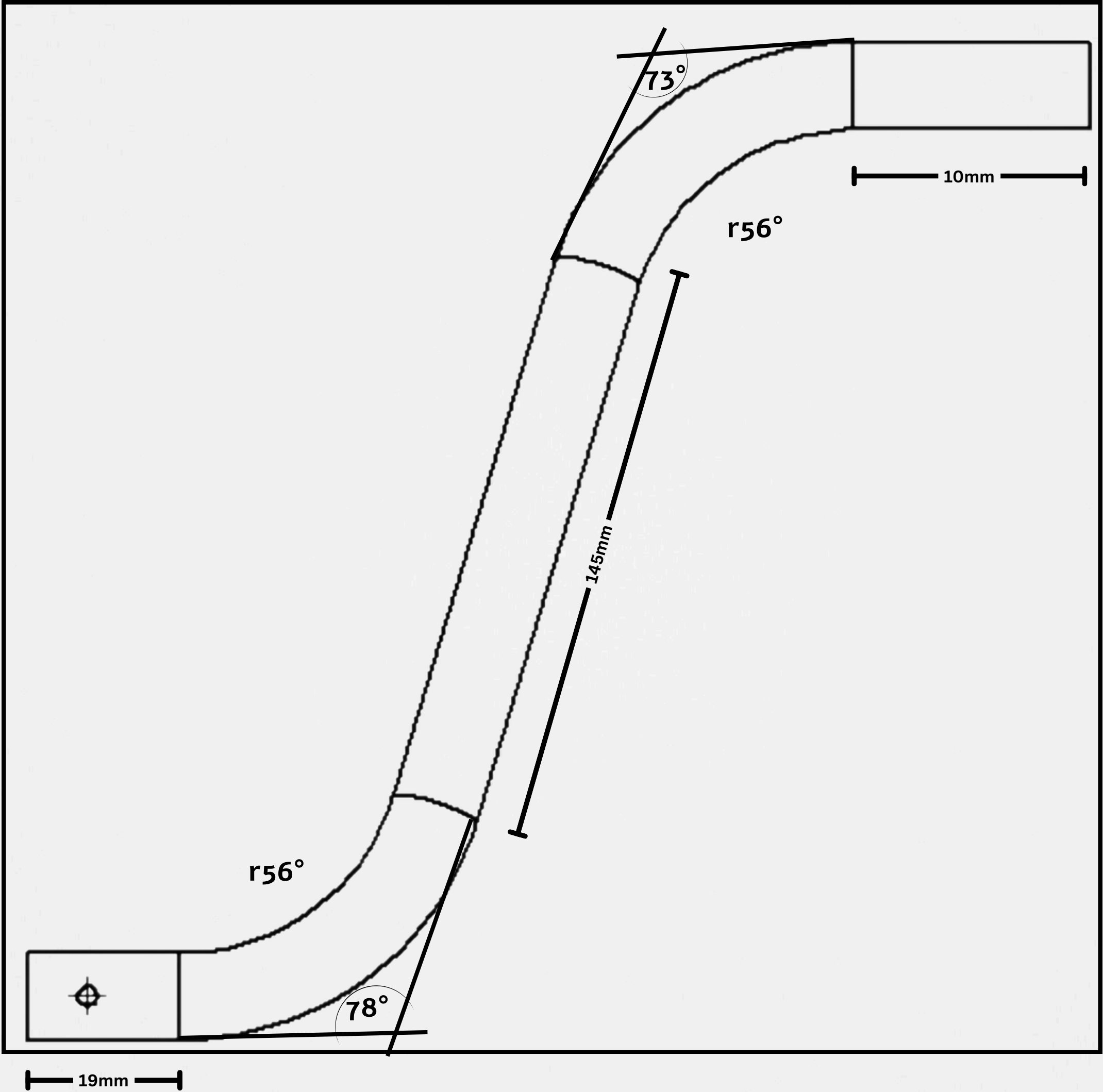
# Screw & Nut

## M3 and M5





Bending the  
pipe according  
to the diagram.



## A collection of mechanical parts laid out on a light gray surface. The parts include two L-shaped metal plates with pre-drilled holes, two black plastic brackets with a semi-circular cutout, four screws of varying lengths, and several small fasteners including washers and a small ring. The metal plates have a brushed finish, while the plastic brackets have a matte black finish. The screws are made of stainless steel.

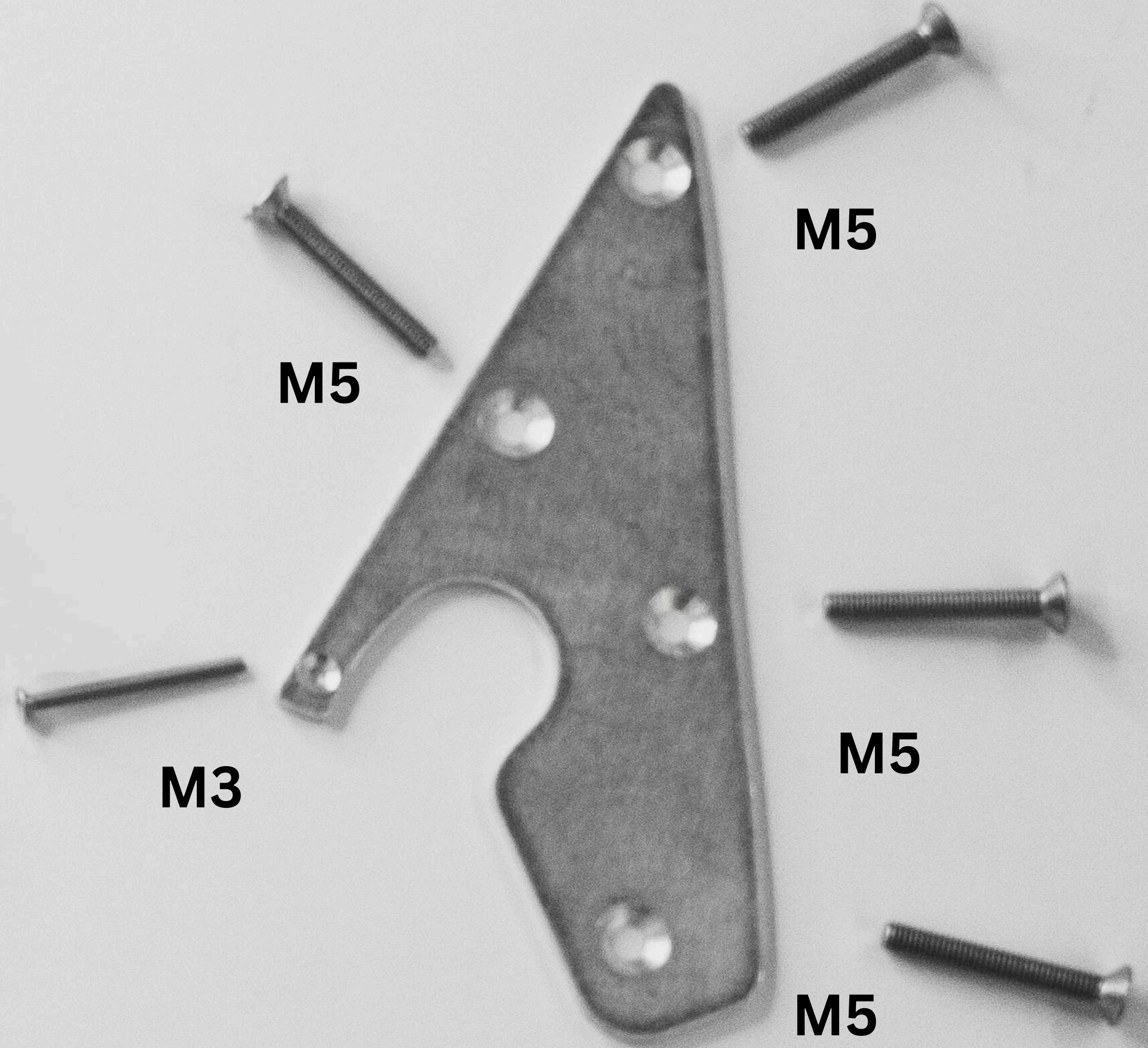




**Creating a  
recess for the  
screw head**









**Inserting the  
M3 nut in the  
top part**



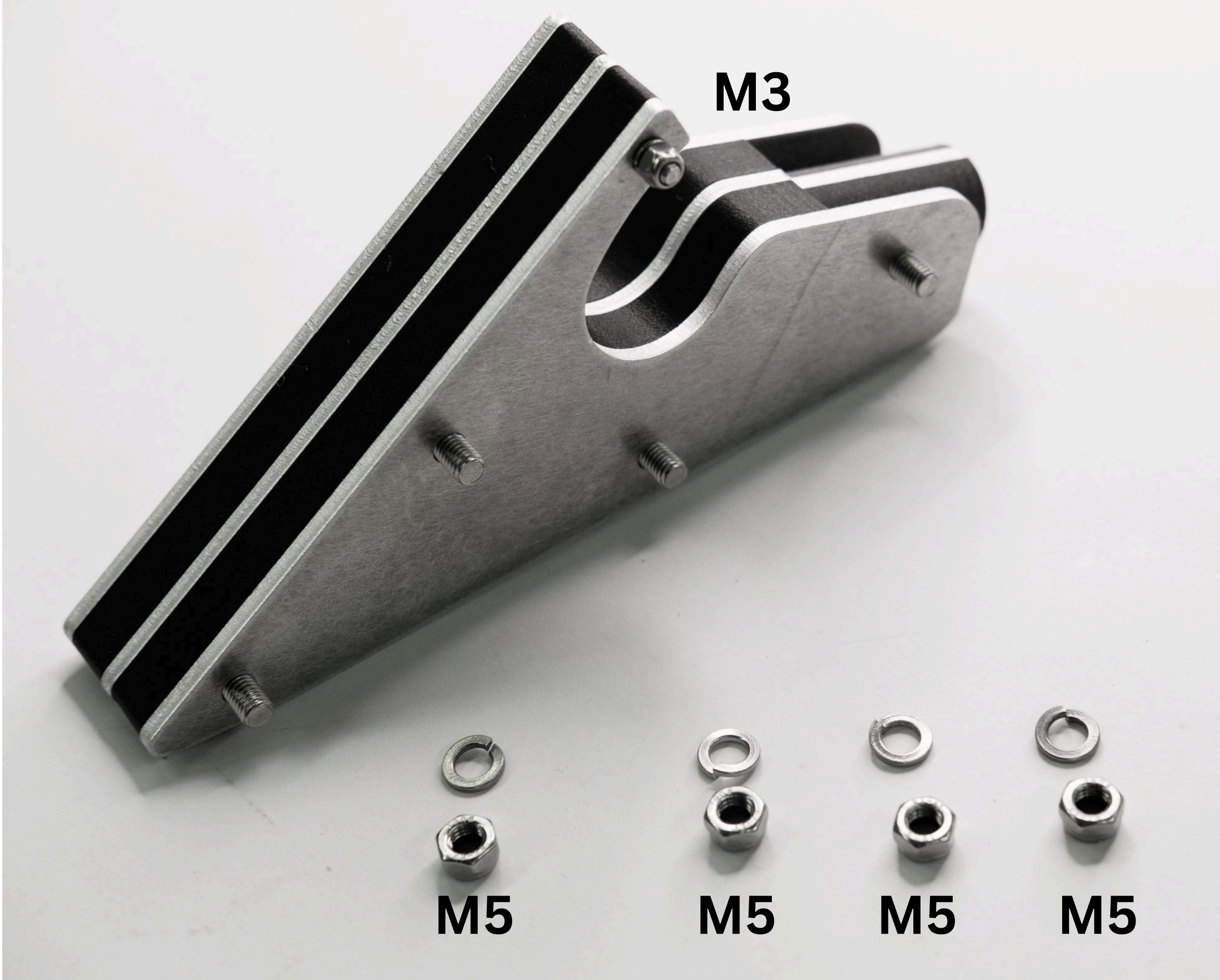


**Insert 3 M5  
screws. The  
fourth screw  
will later be  
used to  
connect to  
the pipe.**





Washers & Nuts



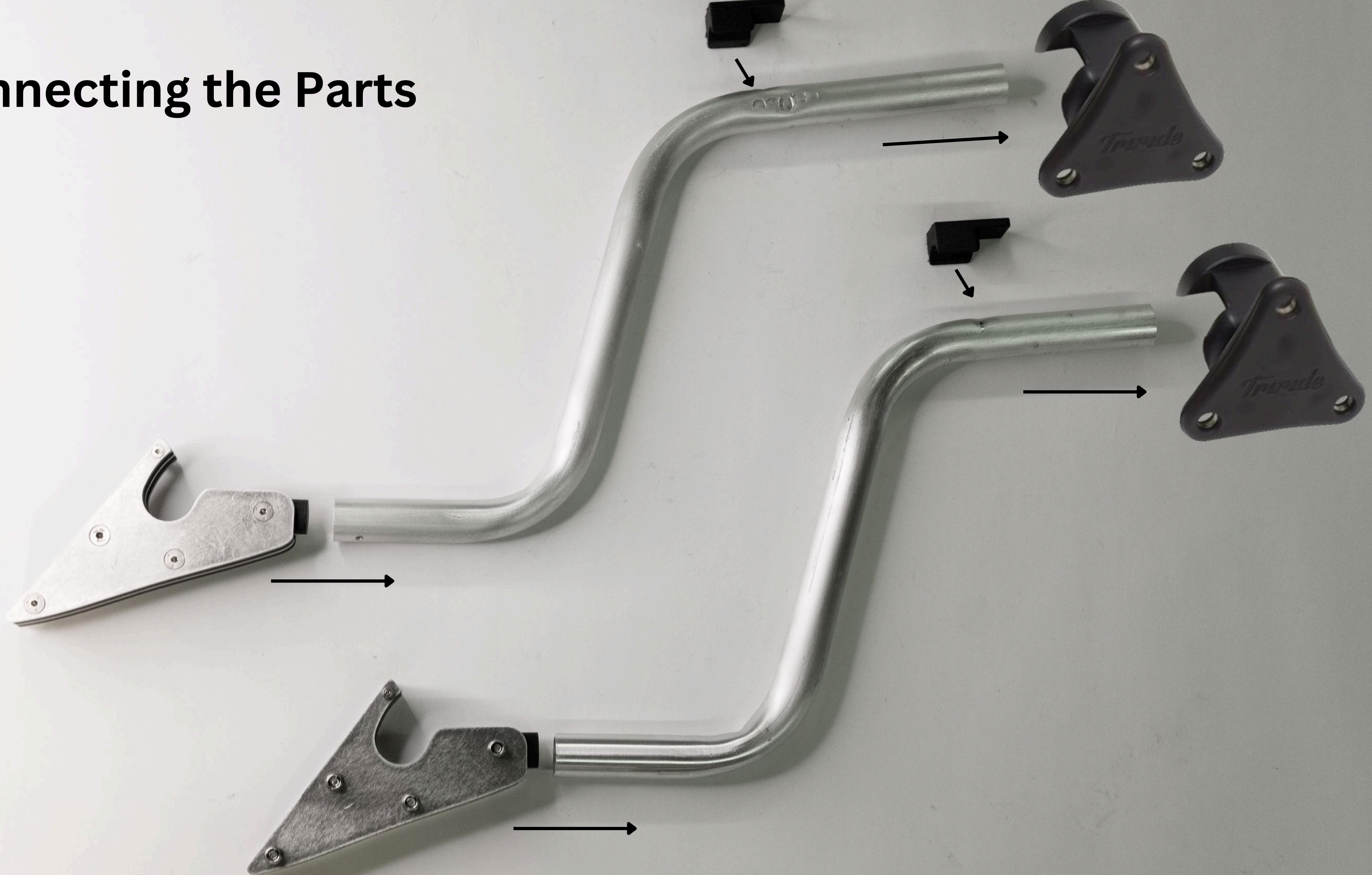


**Tighten the  
nuts**



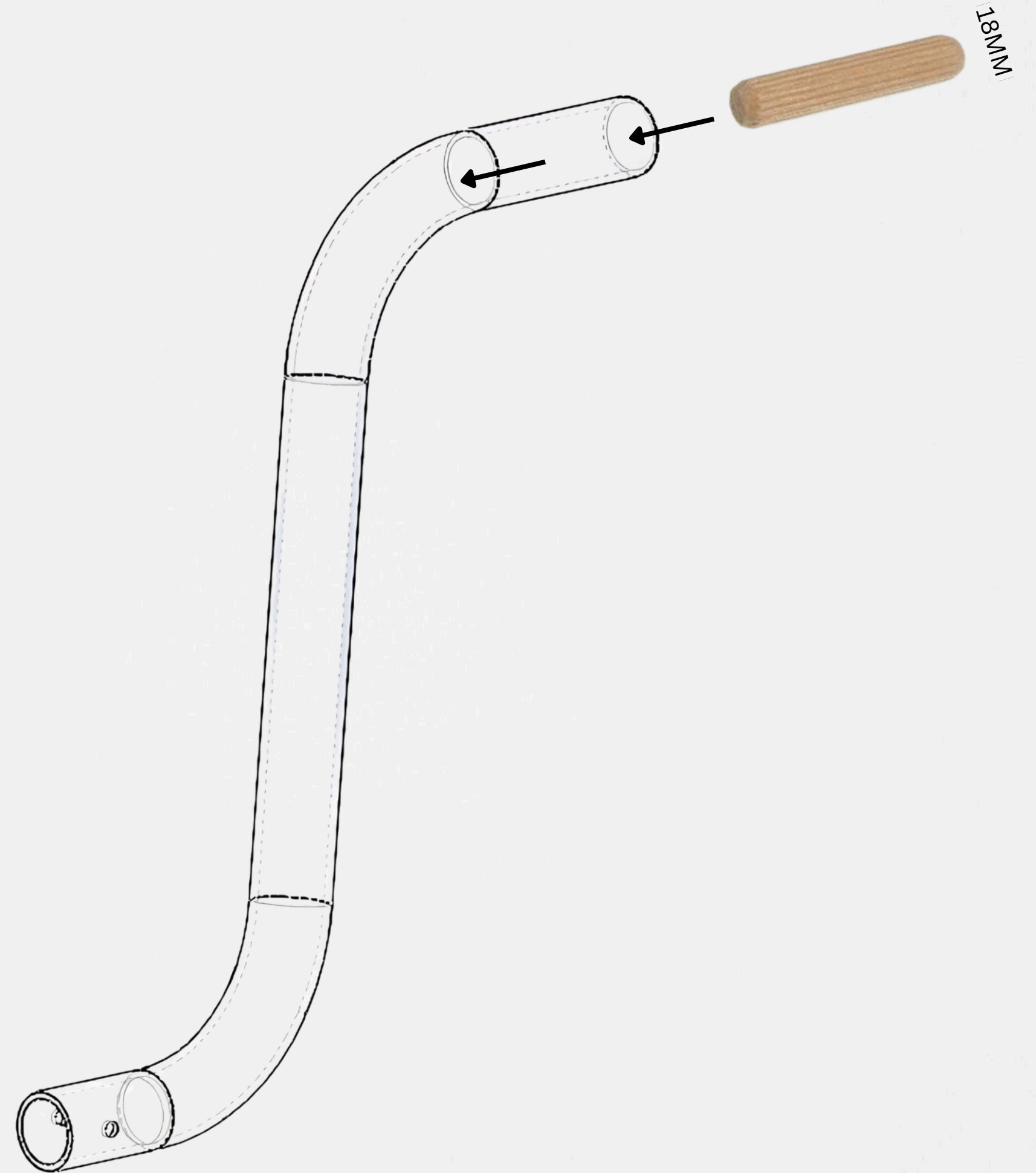


# Connecting the Parts





**Insert an 18 mm diameter dowel into the top of the pipe to strengthen the stopper's connection.**



**Attach the connector to the chair at a height of 35.5 cm from the floor to the bottom of the Triride connector's entry hole.**





**Connect the  
pipe to the  
wheelchair  
using the tririd  
connector.**





**Tighten with the  
thumbscrew on  
the connector.**



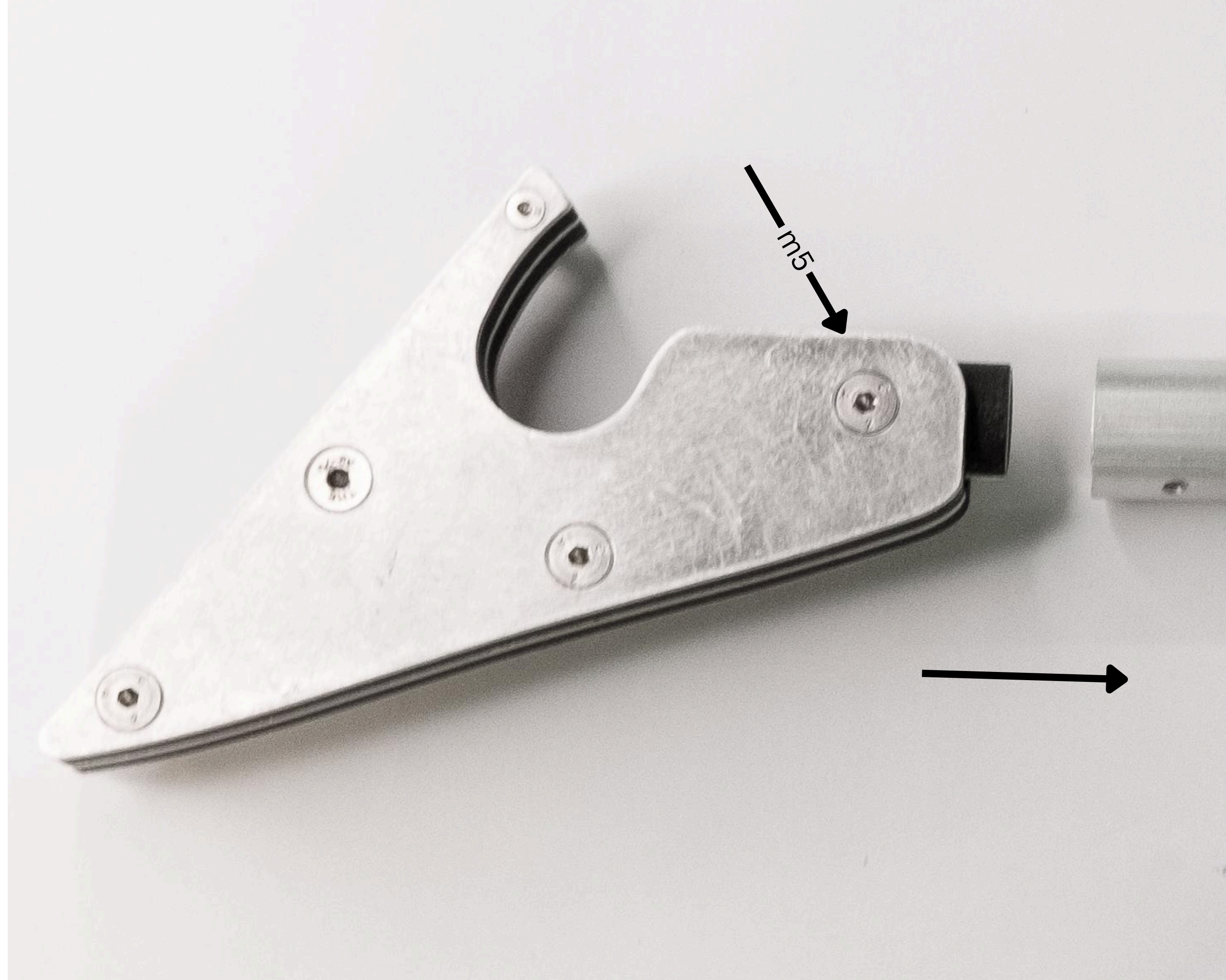


**Insert the pipes using a level to make sure they are equal in height.  
The final height of the cart from the floor after connection should be 3.5cm**





**Insert the cart connector into the tube. The final connection will be made by marking and drilling through the existing hole in the cart connector with the tubes balanced. Using an M5 screw**





**The stopper ensures the correct connection of the connector to the wheelchair. It is installed after assembling all parts and adjusting the connectors to the wheelchair and stroller, using a self-tapping screw.**

