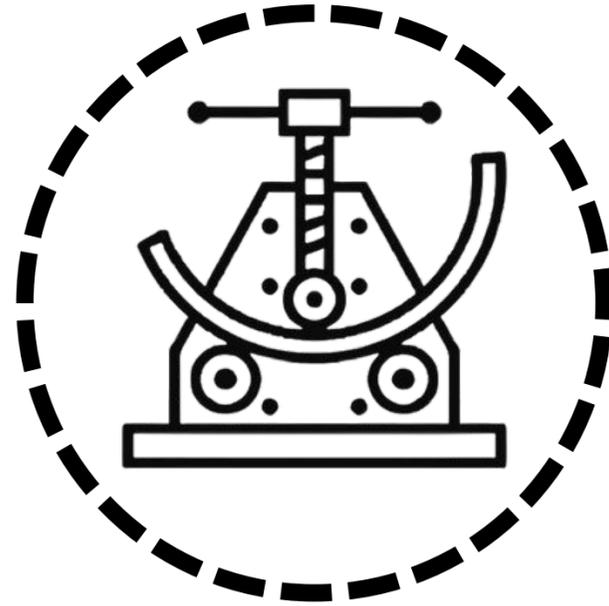


Wheelchair to Stroller Connector

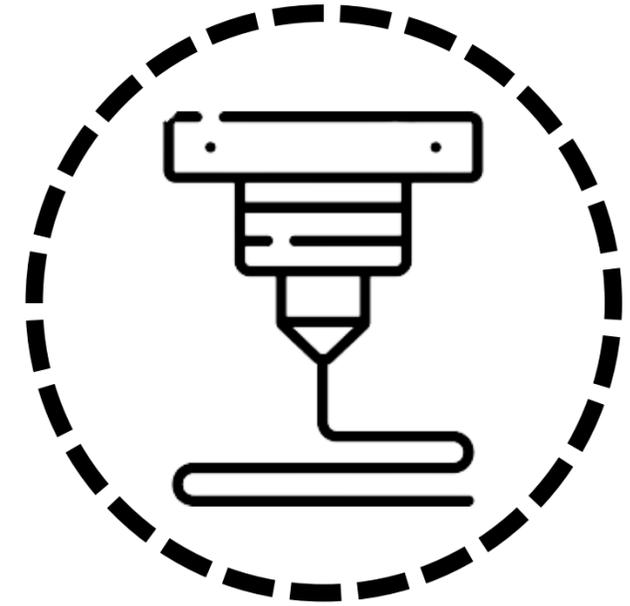
Instructions and Assembly



Required Skills



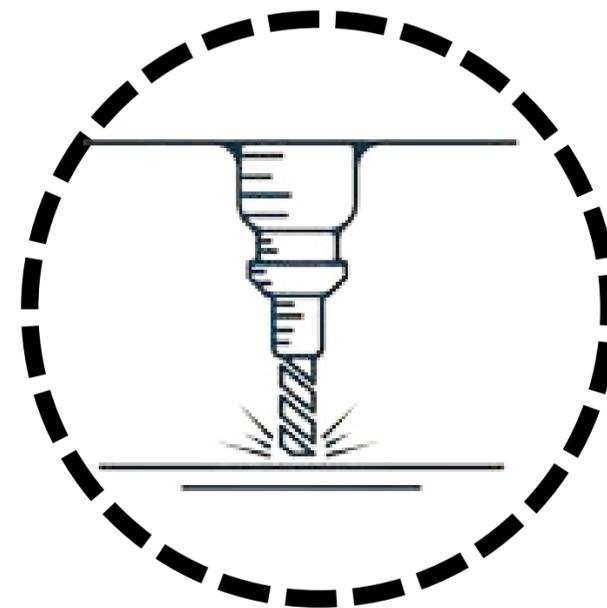
Pipe bending



3D Printing



Laser cutting



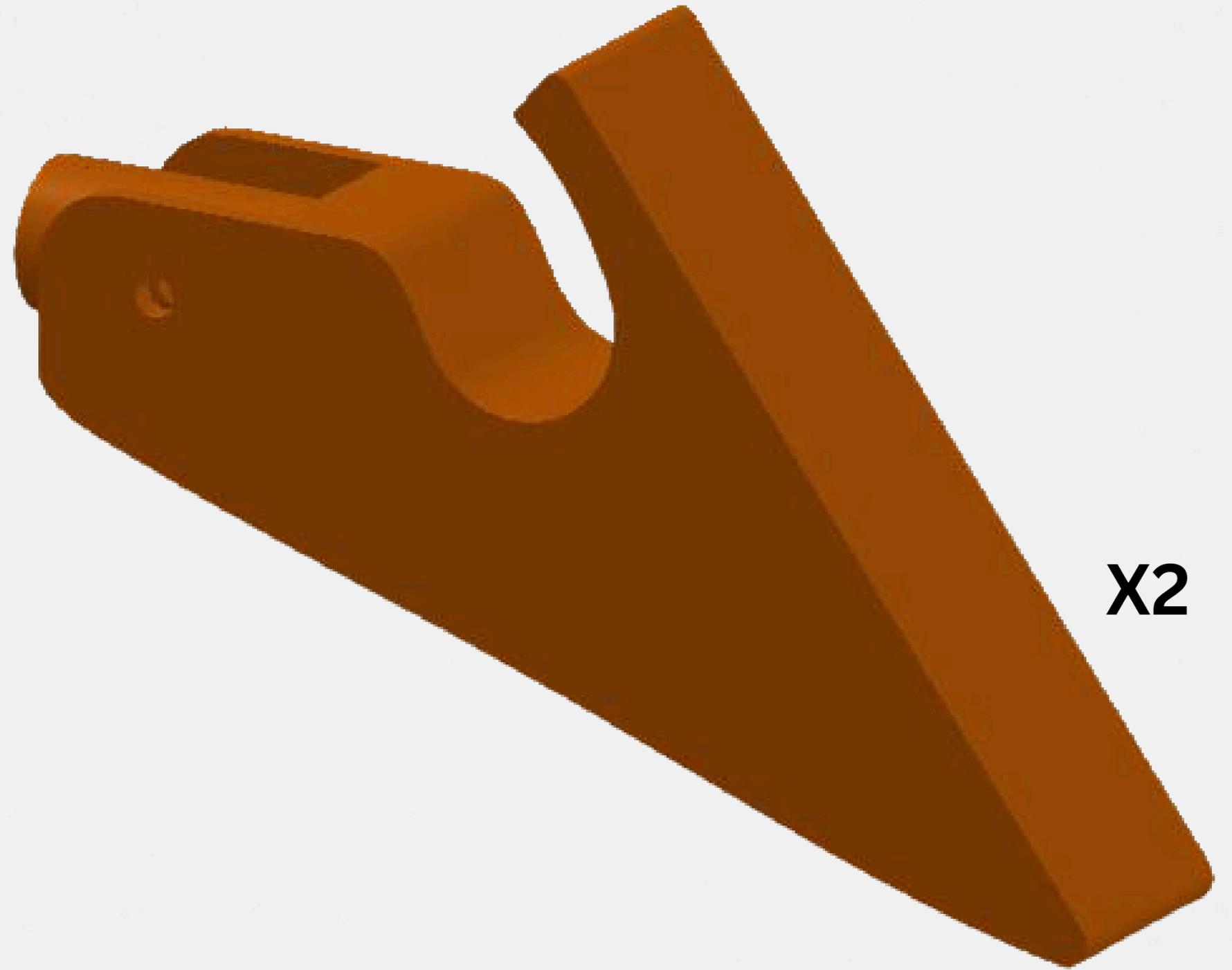
Machining

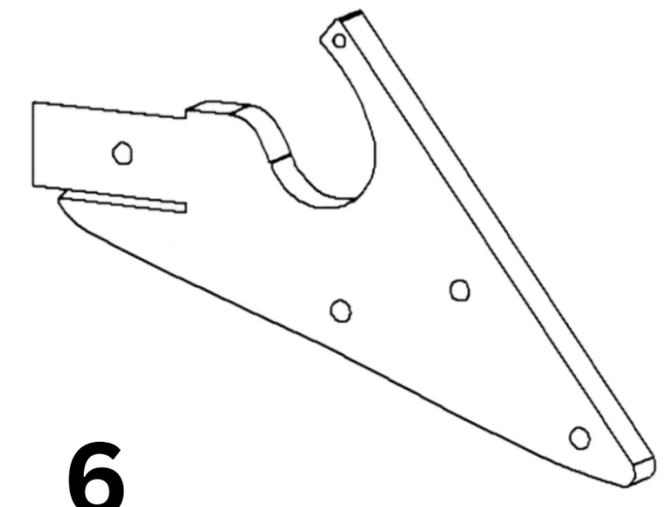
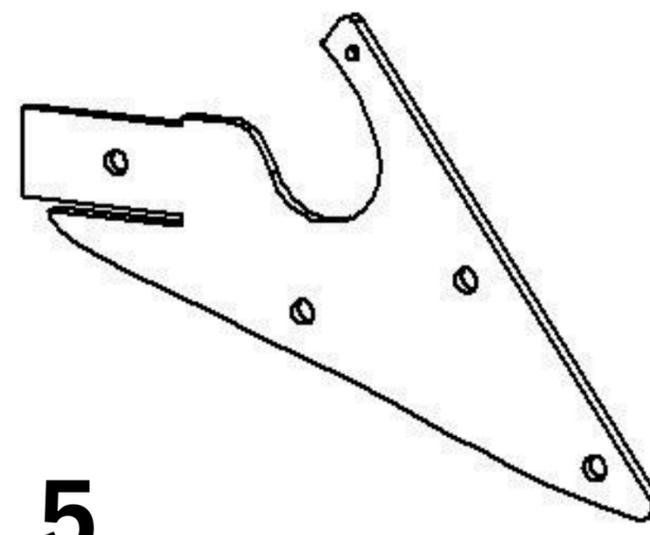
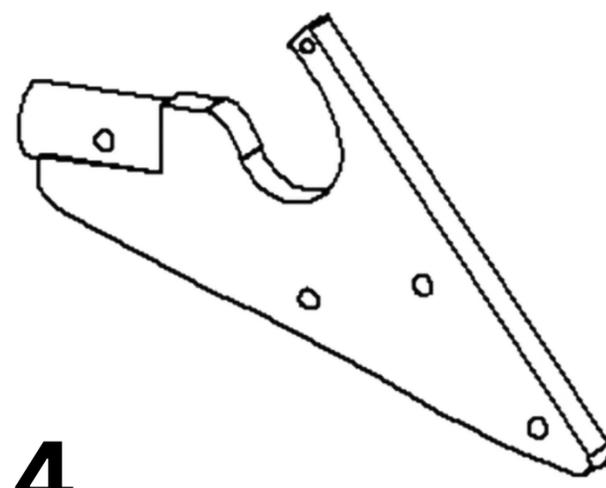
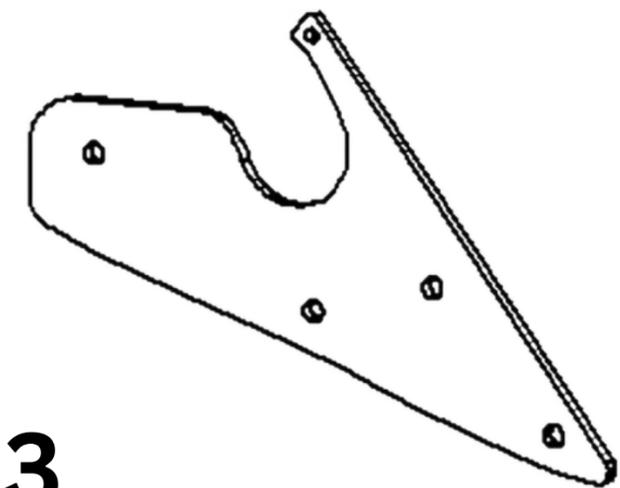
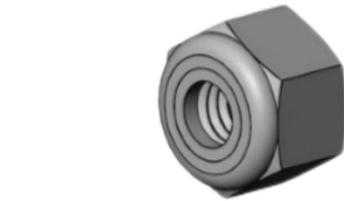
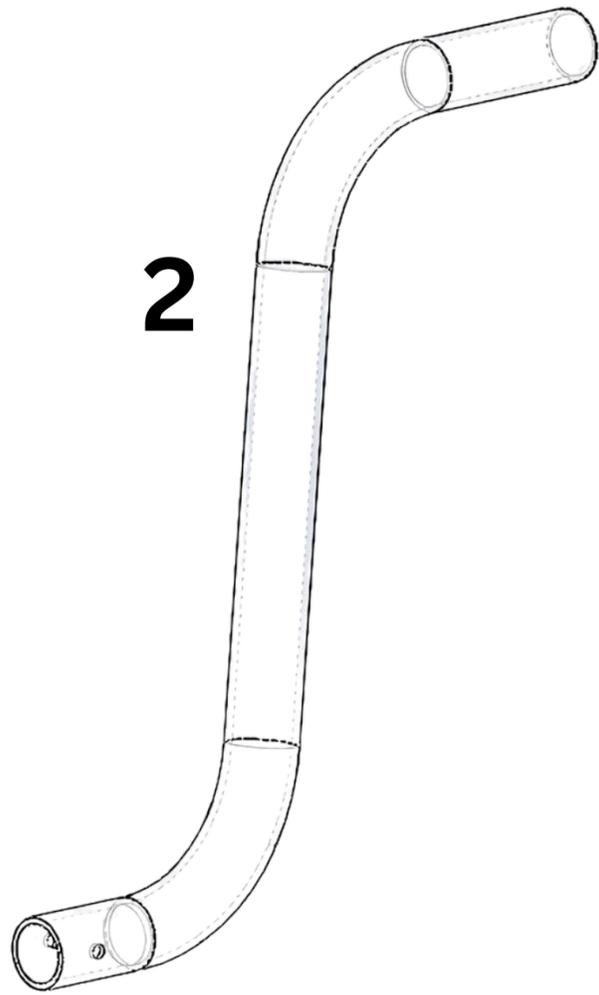
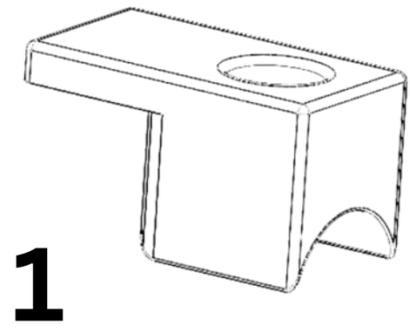
Bill of Materials

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	https://www.trirideitalia.com/en/	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.**



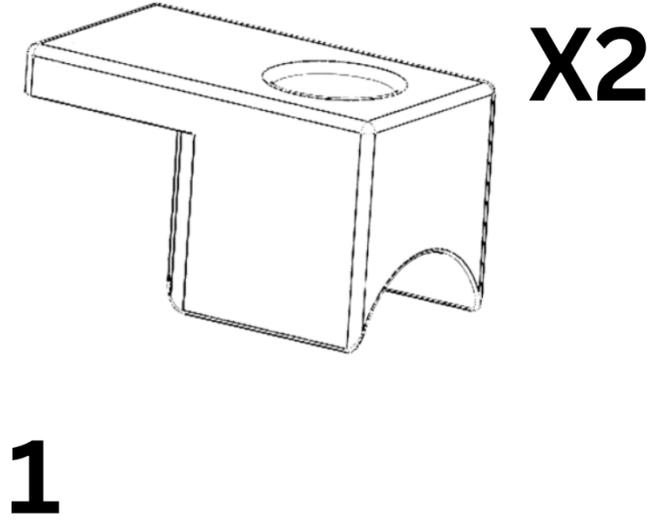
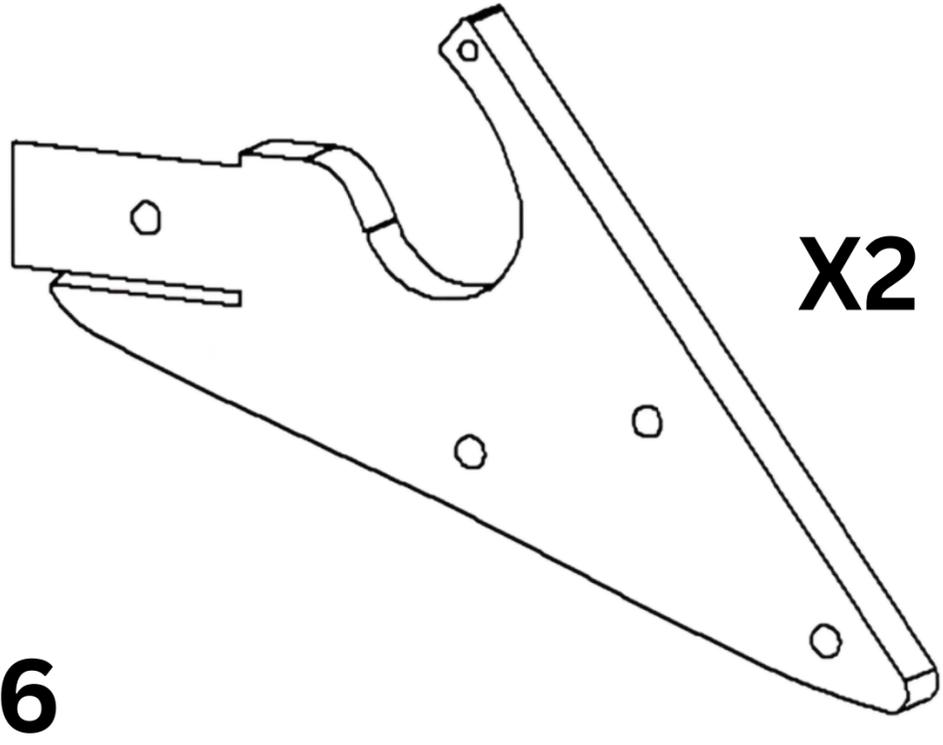
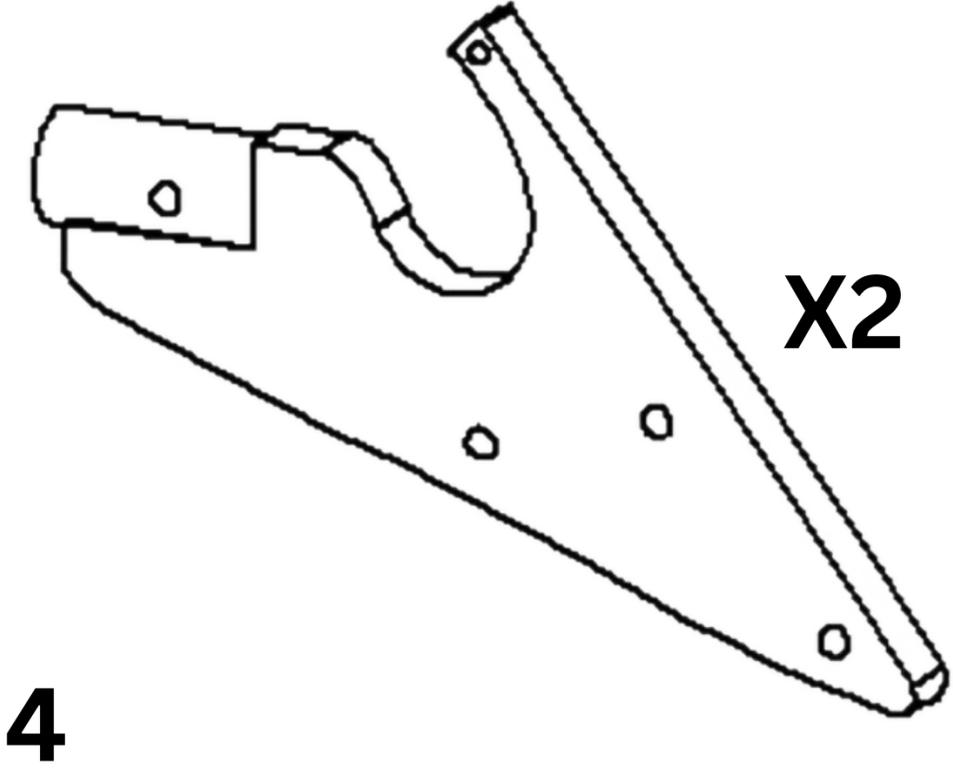


Parts for Purchase

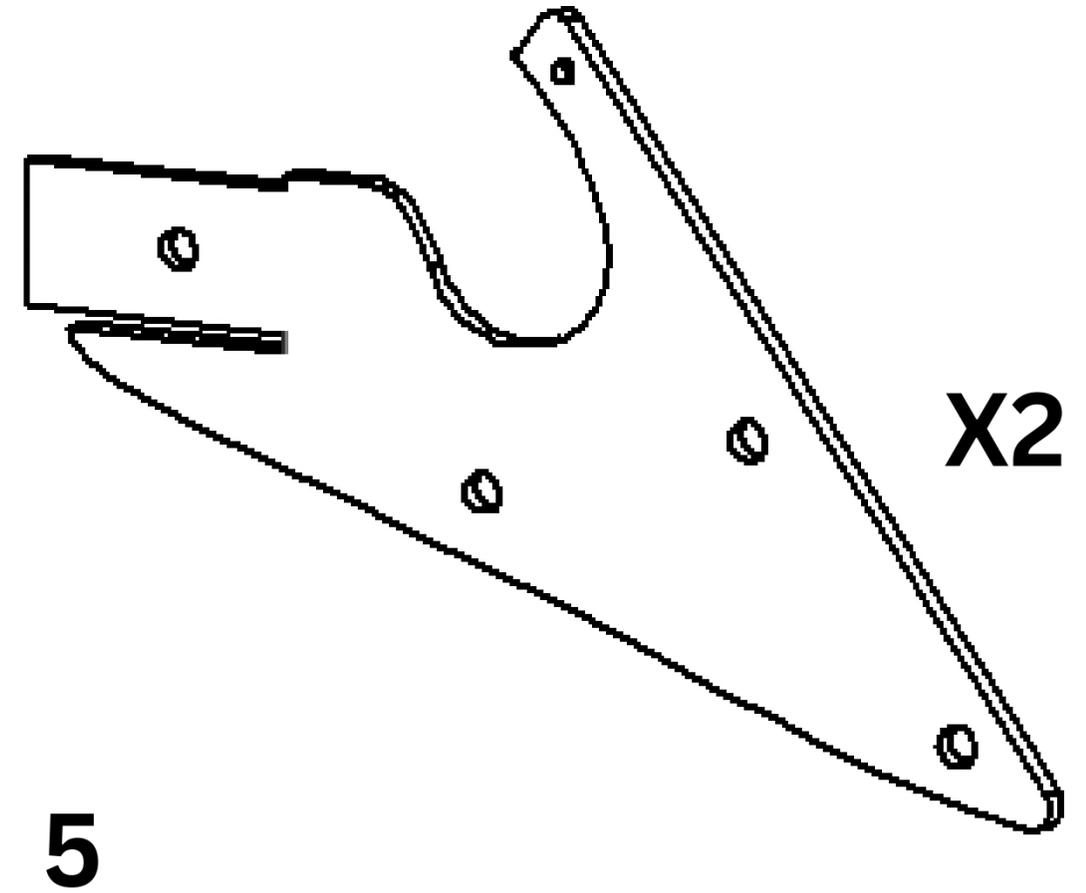
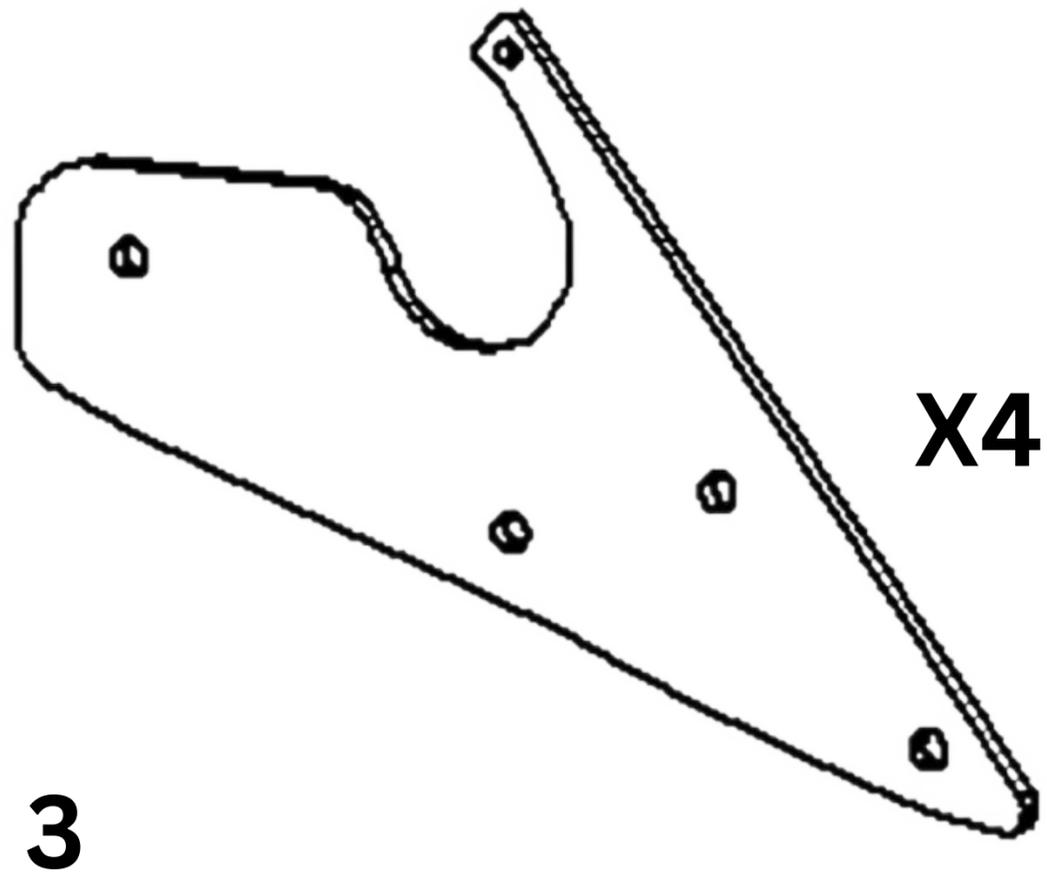


7

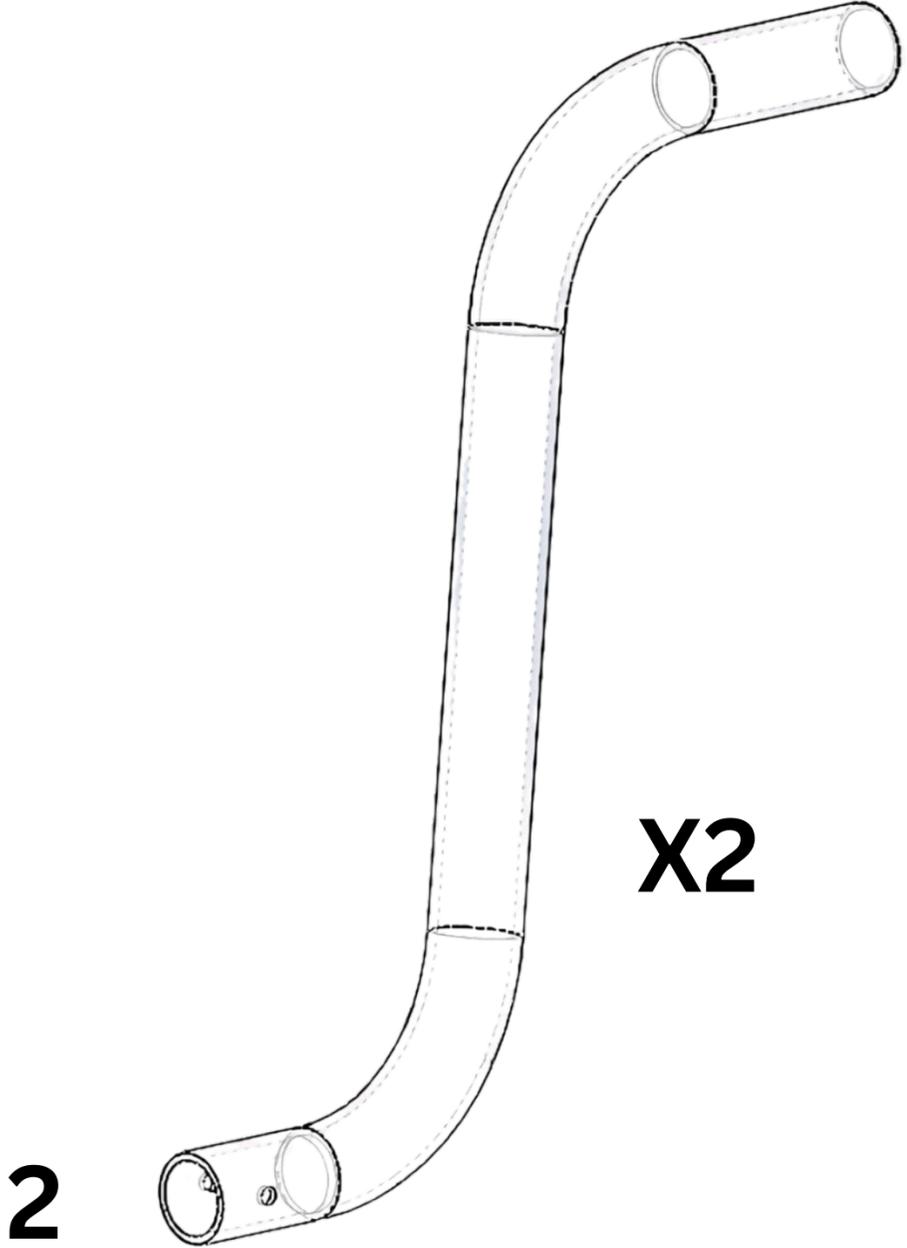
3D Printing Parts



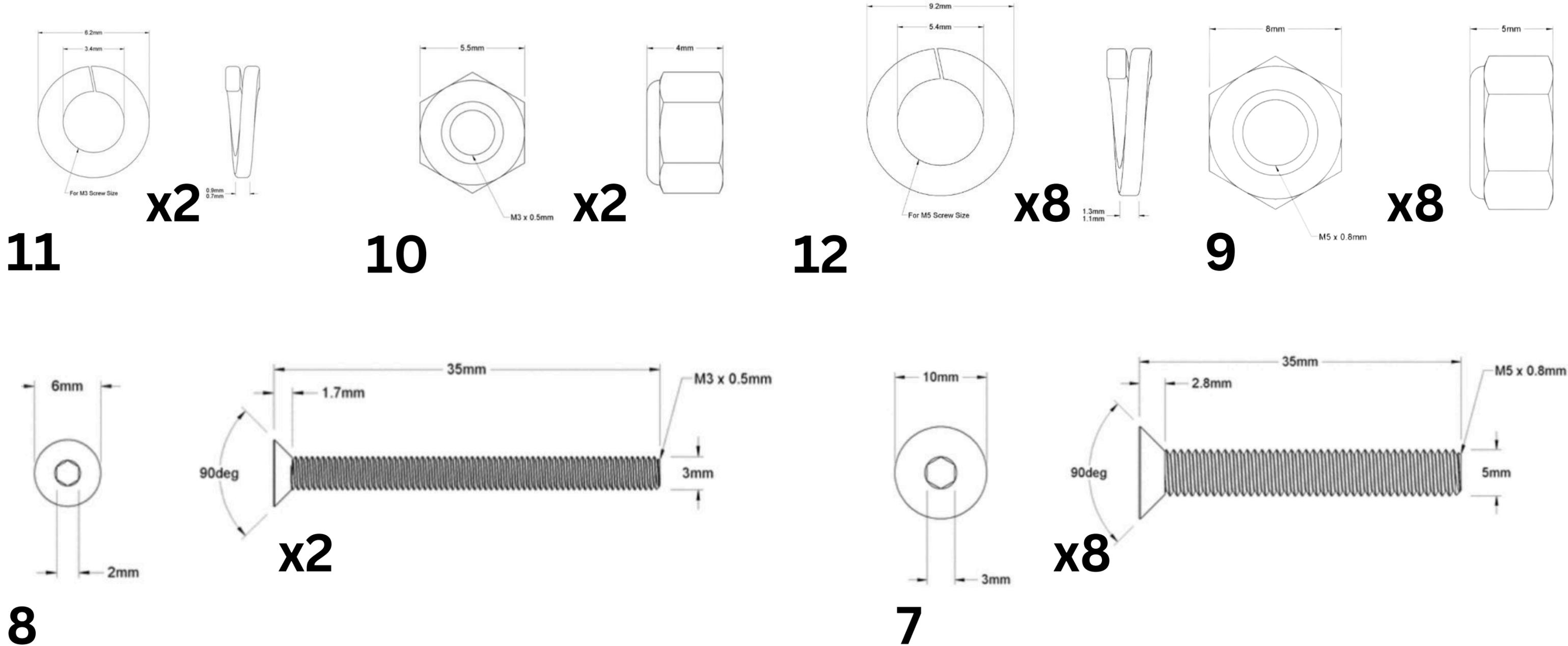
Laser Cutting Parts



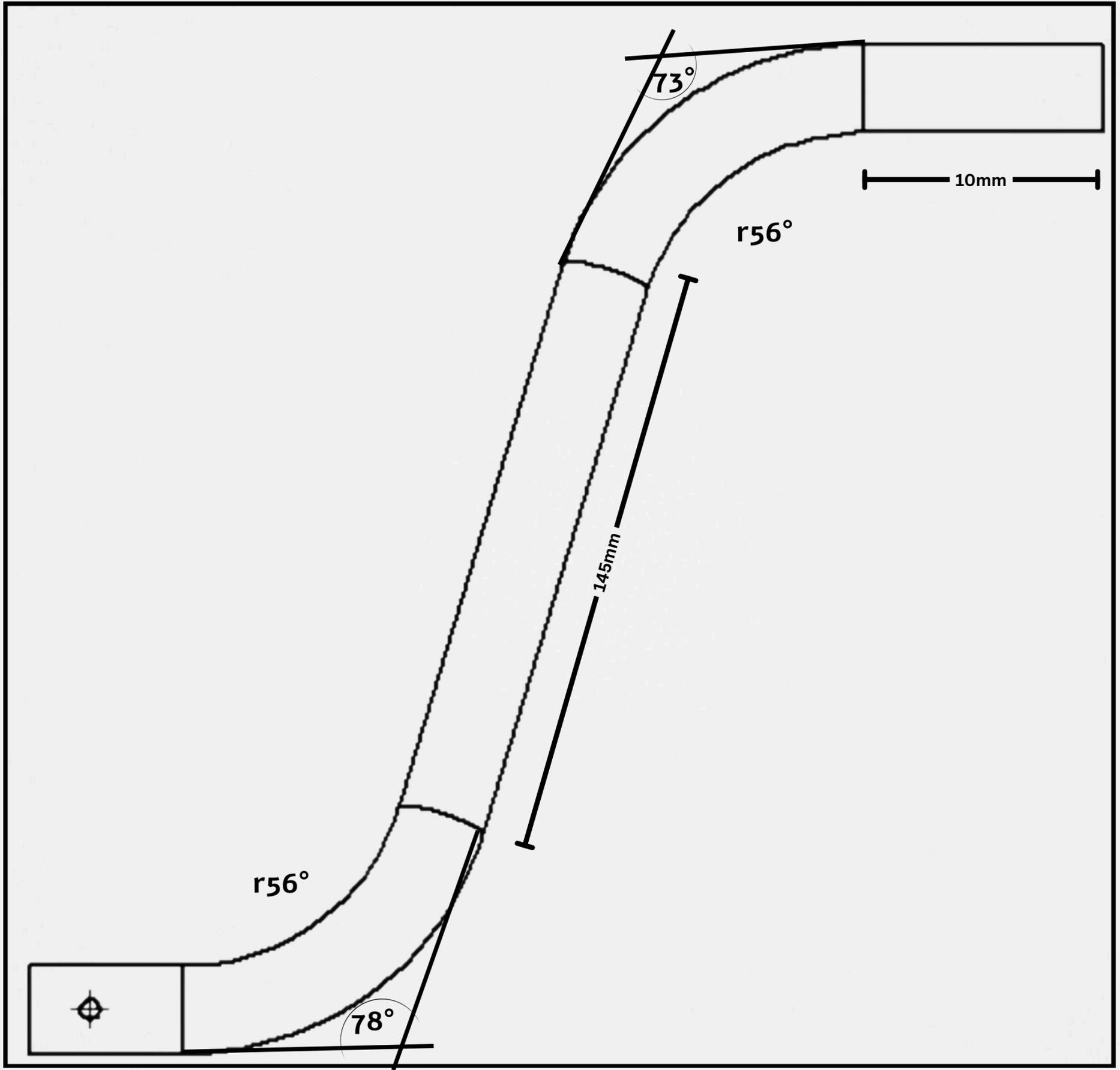
Pipe Bending Parts



Screw & Nut M3 and M5



Bending the pipe according to the diagram.

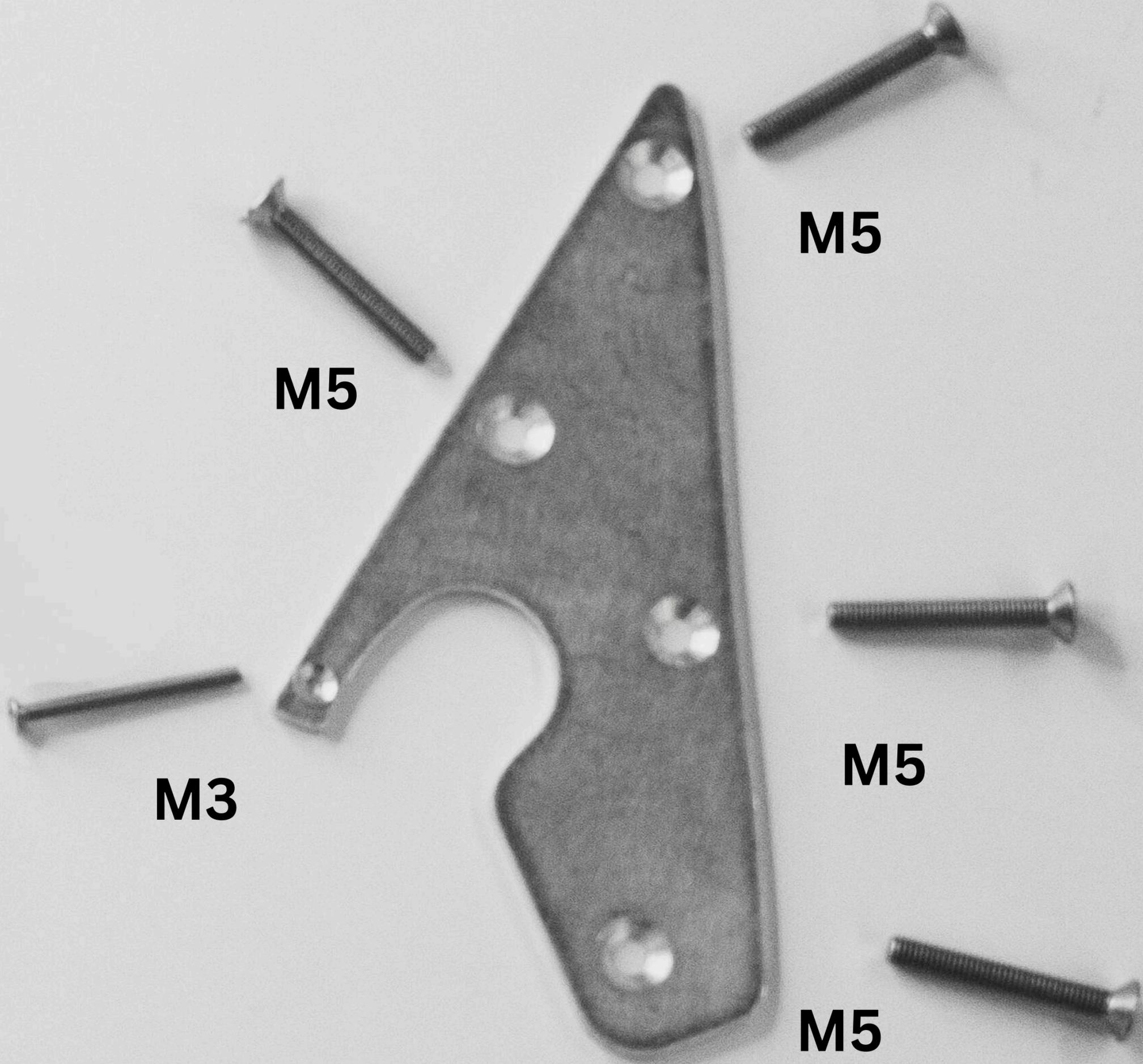


Stroller Connector Assembly



**Creating a
recess for the
screw head**





M5

M5

M3

M5

M5

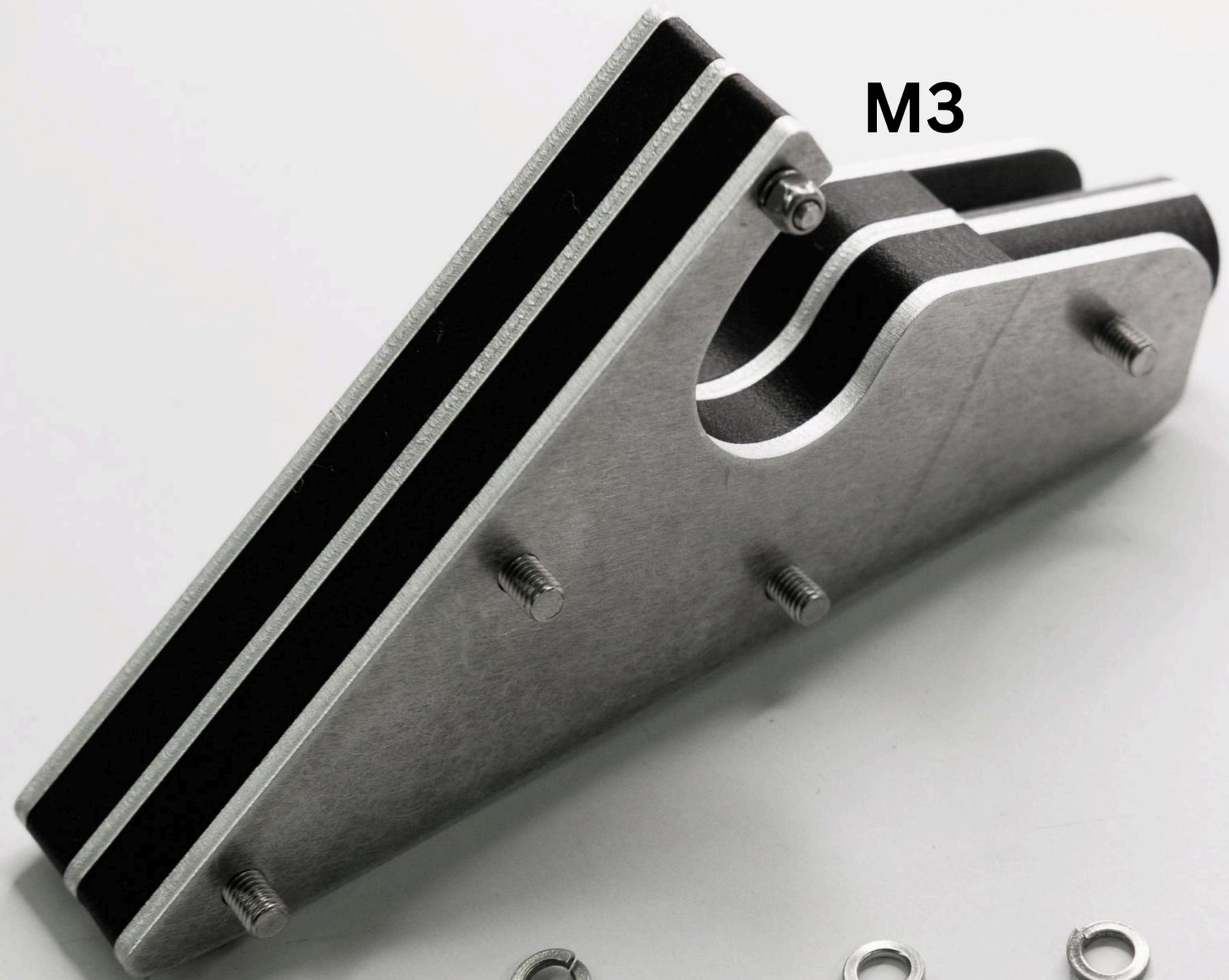
**Inserting the
M3 nut in the
top part**



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



Washers & Nuts



M3



M5



M5



M5

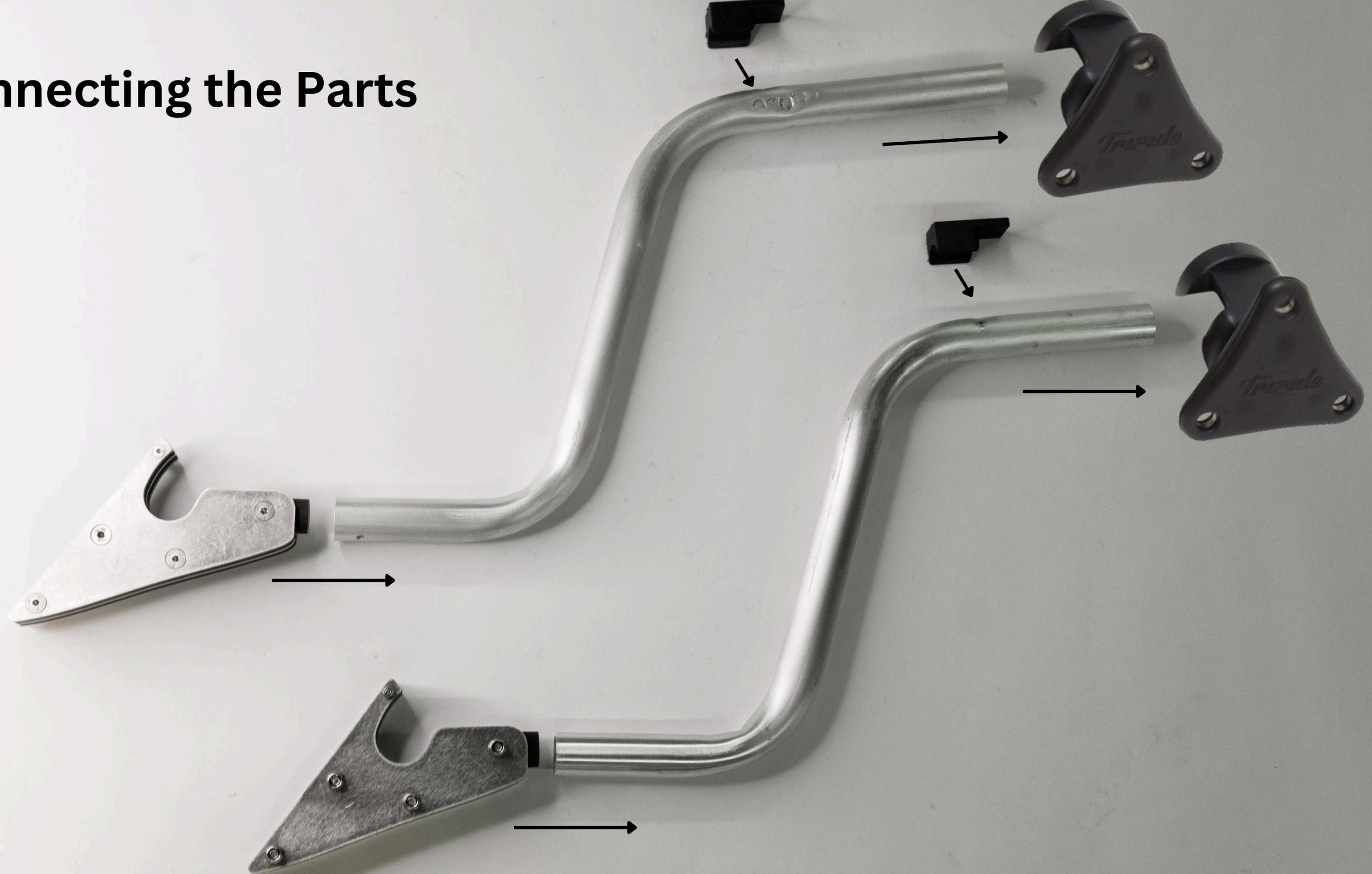


M5

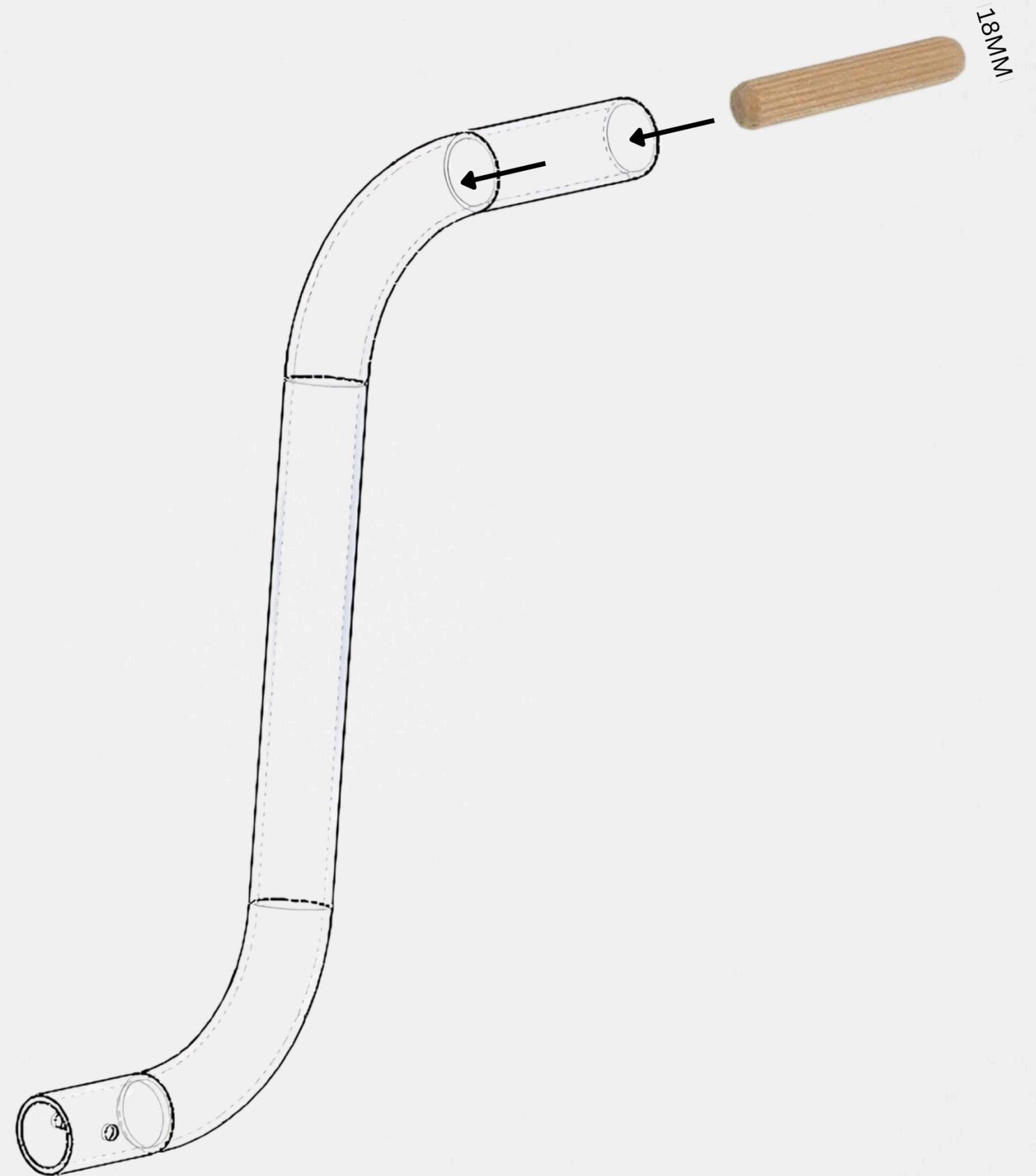
**Tighten the
nuts**



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.

