

SIZE	1.2ft x 0.7ft x 0.5ft	PIECES	129
DESIGNER	Charles Sharman	MADE IN	U.S.A.

# MOUNTAIN BIKE

⚠ WARNING: Small parts. Age 12+. Handle responsibly. U.S. Patent 9,086,087.

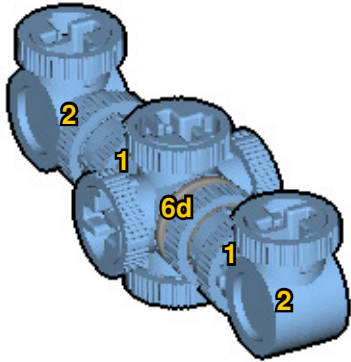


Wrong  
Connecting/Disconnecting Two Directions



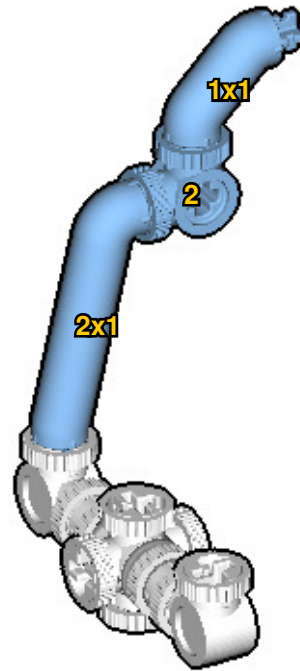
Right  
Connecting/Disconnecting One Direction

1



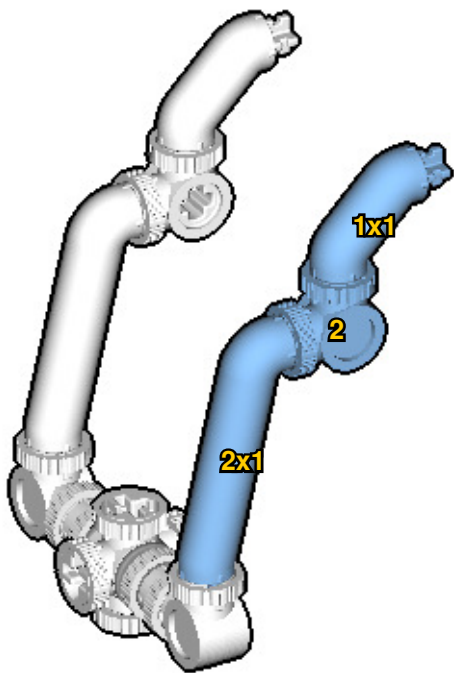
New pieces are drawn blue. Old pieces are drawn white.  
See back for piece names.

2

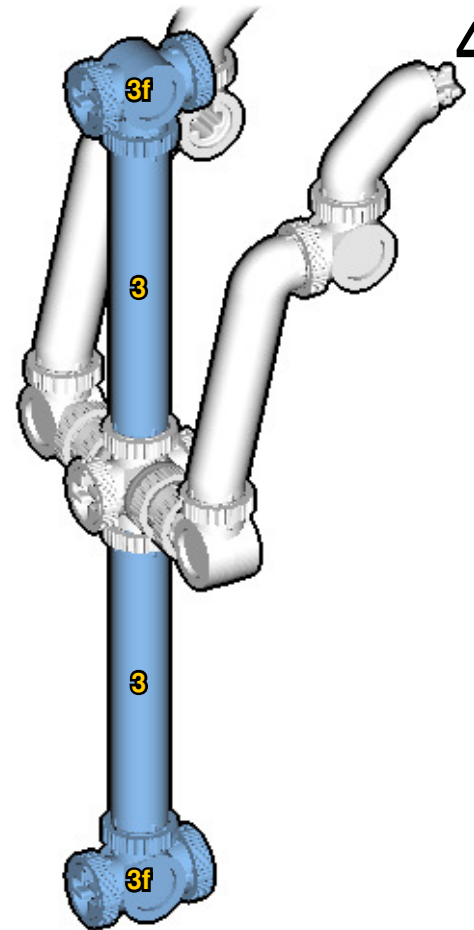


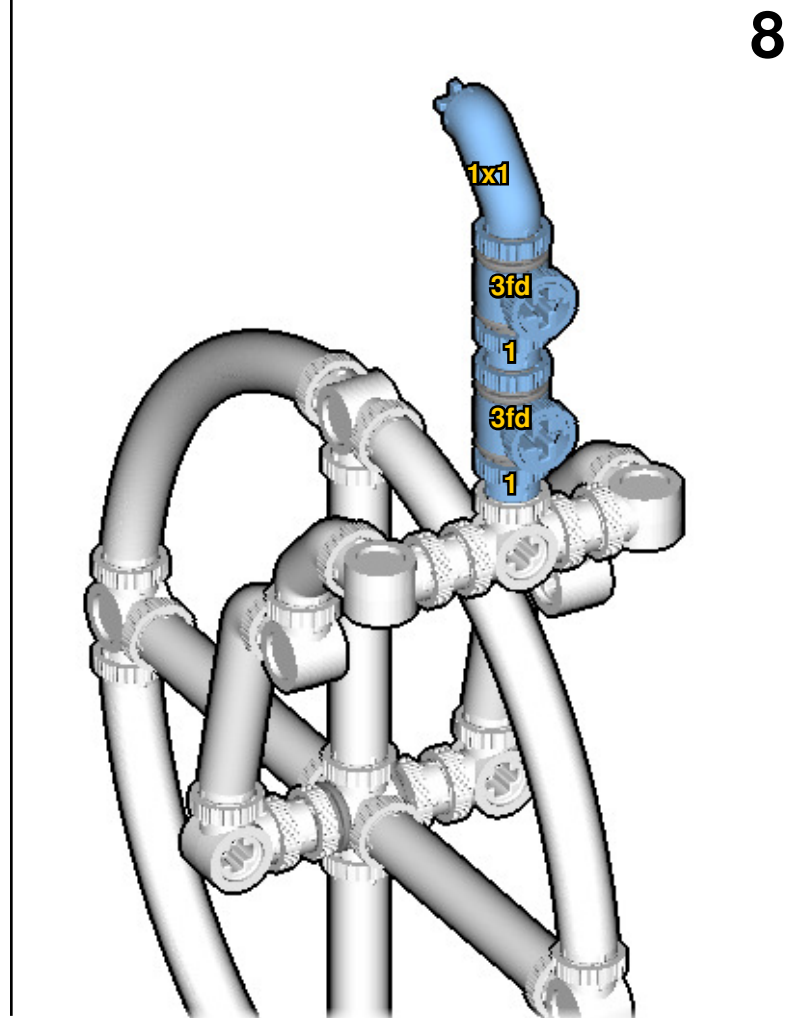
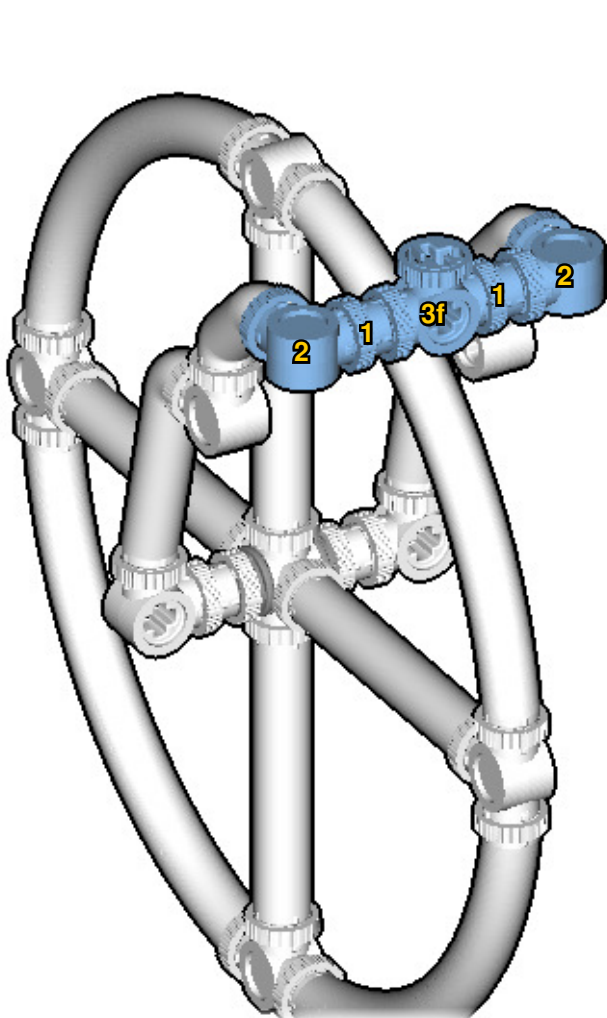
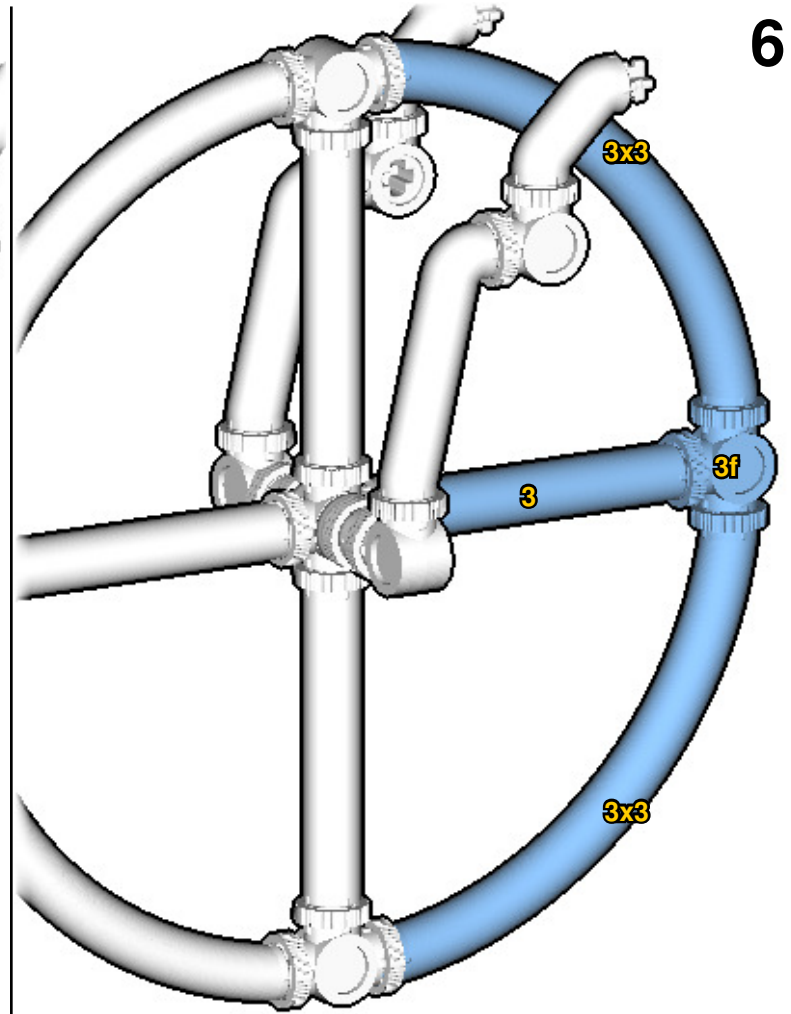
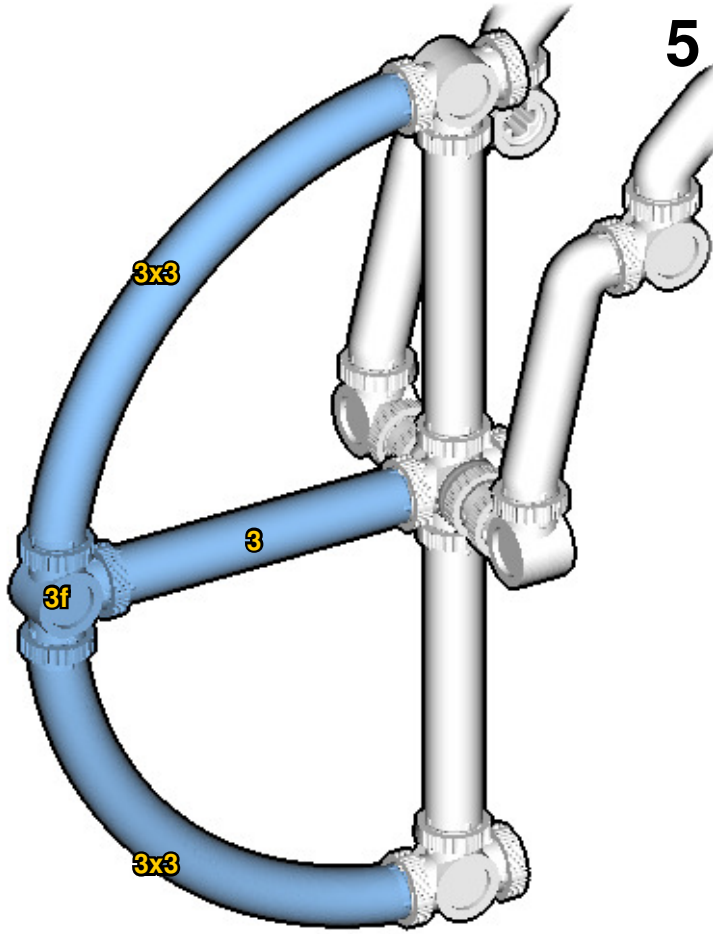
Connect new pieces together before connecting to old pieces.

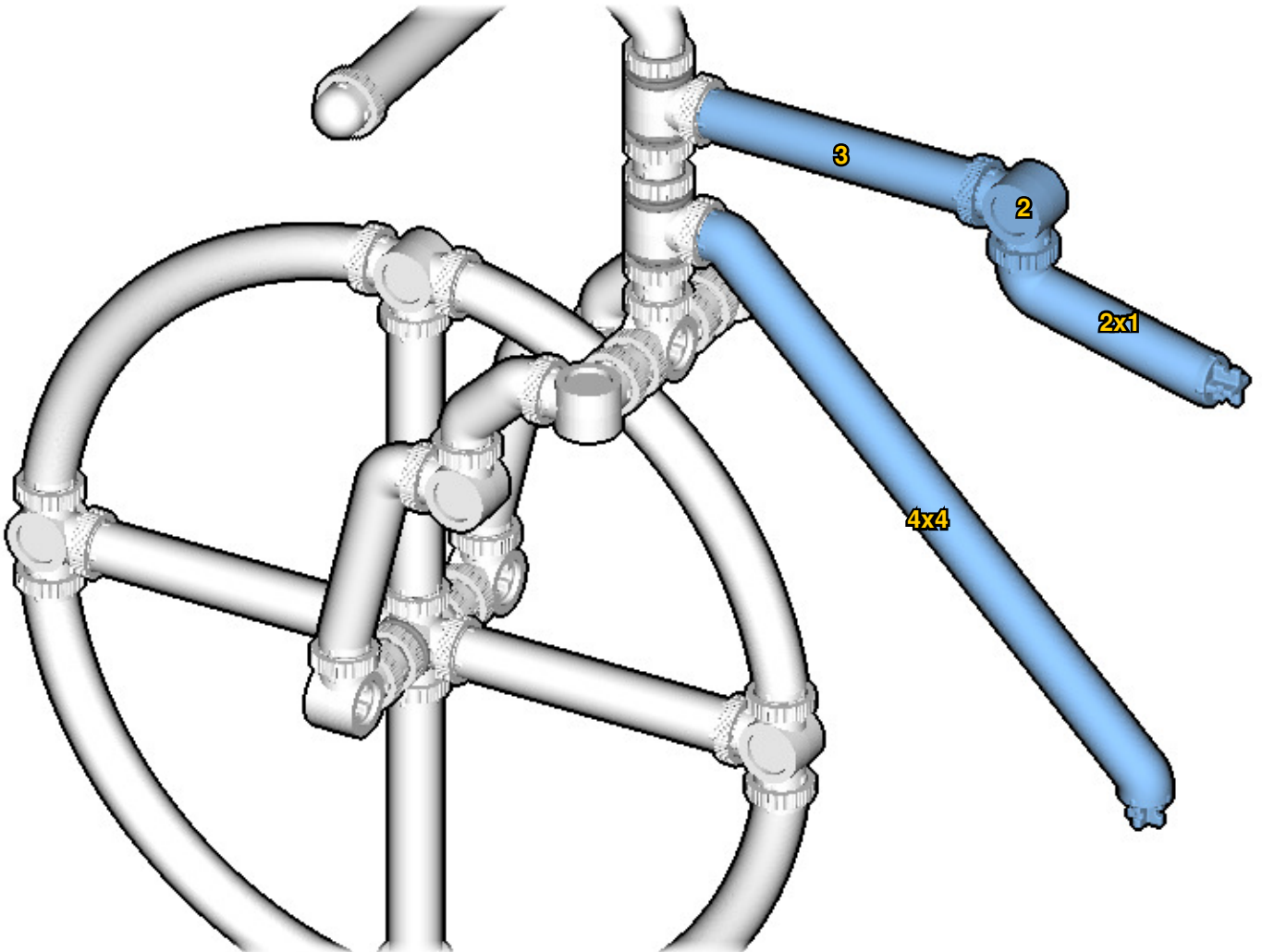
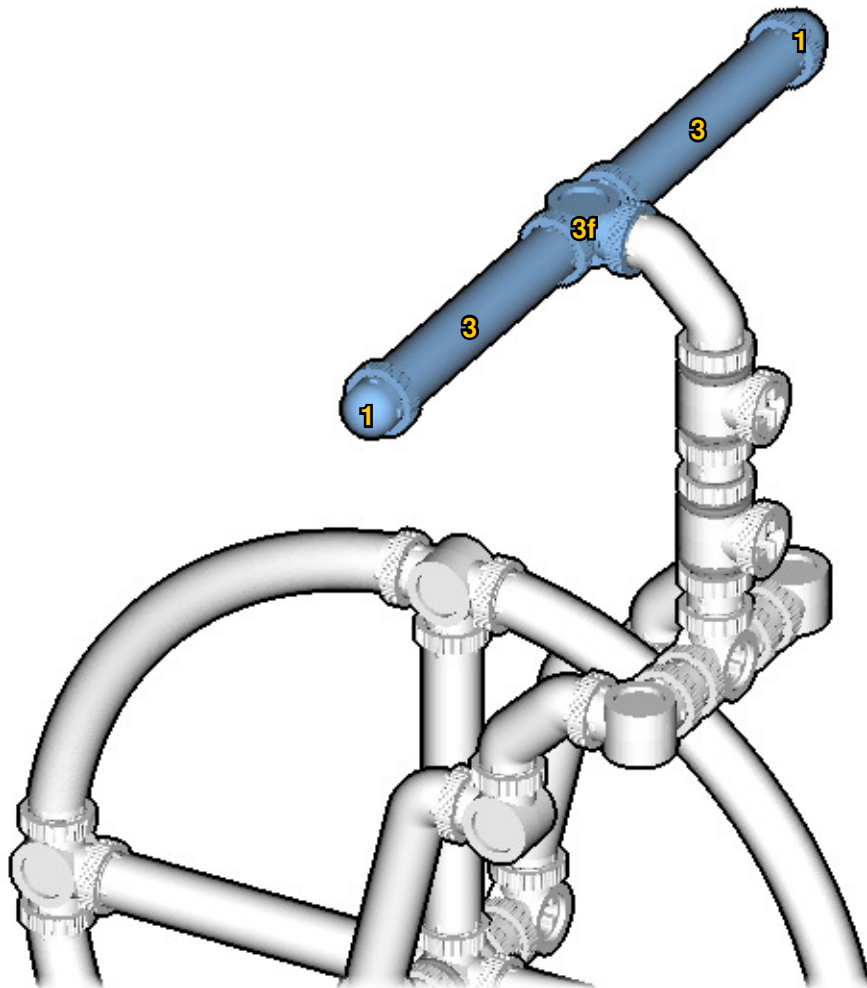
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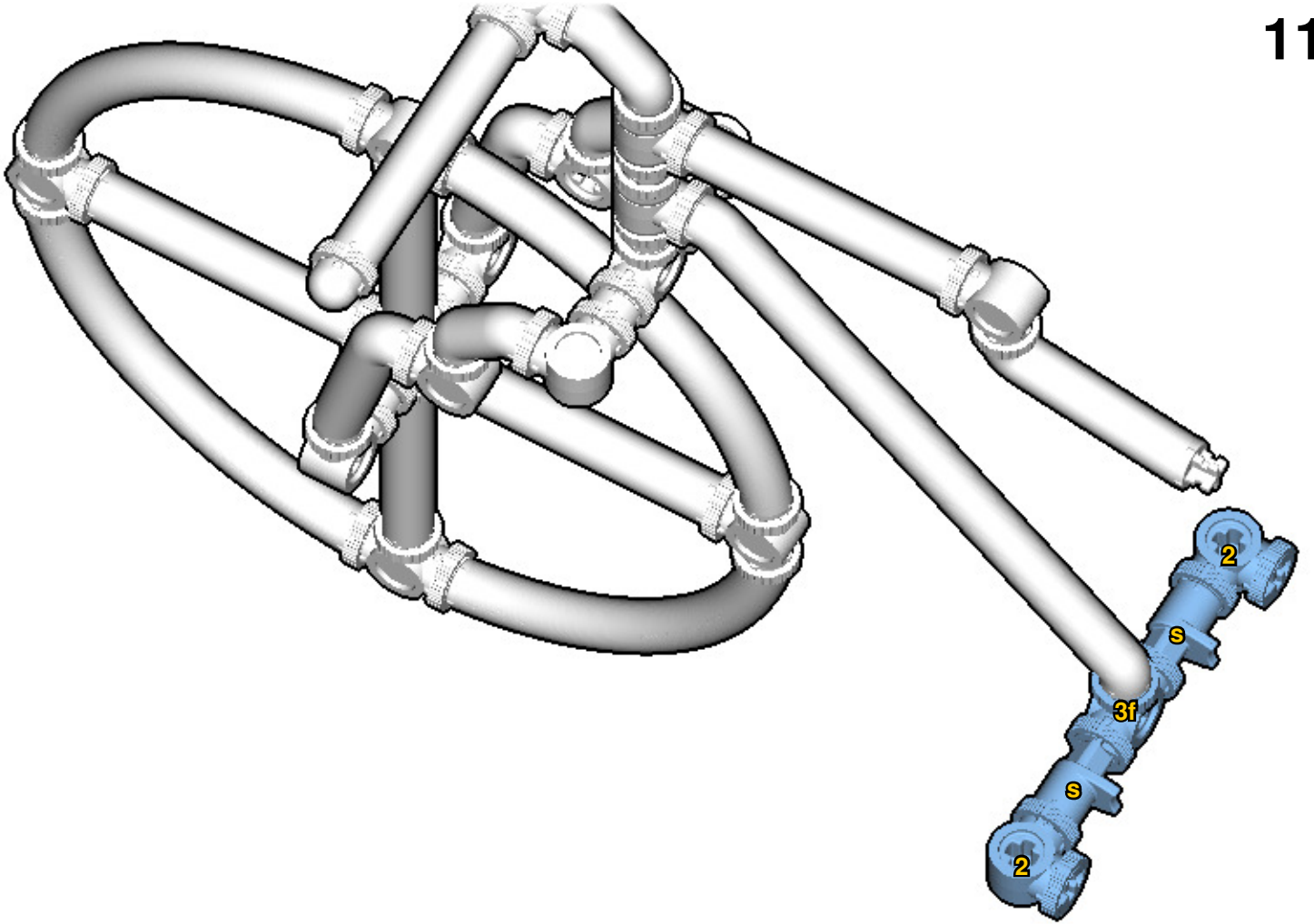


4

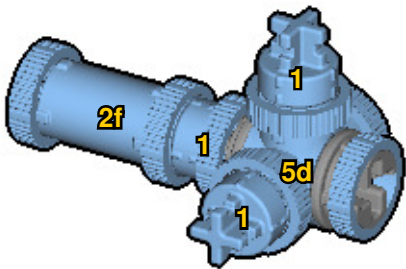






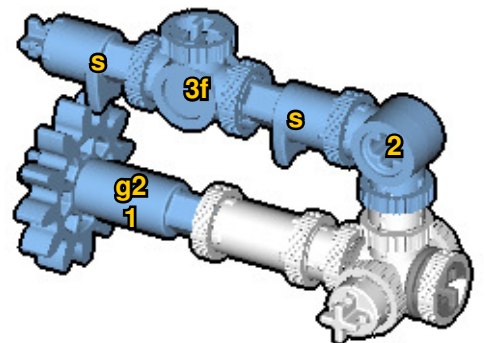


Submodel begins → **12**

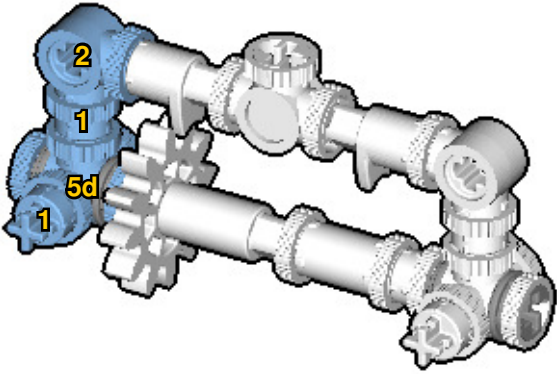


**axle\_g2 gear1**

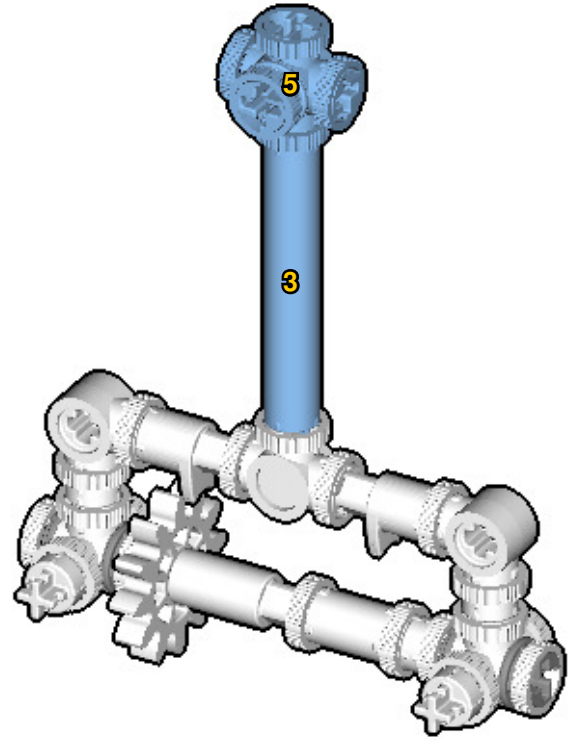
Slide axle\_g2 through gear1 and join. Make hub face joint.



**14**

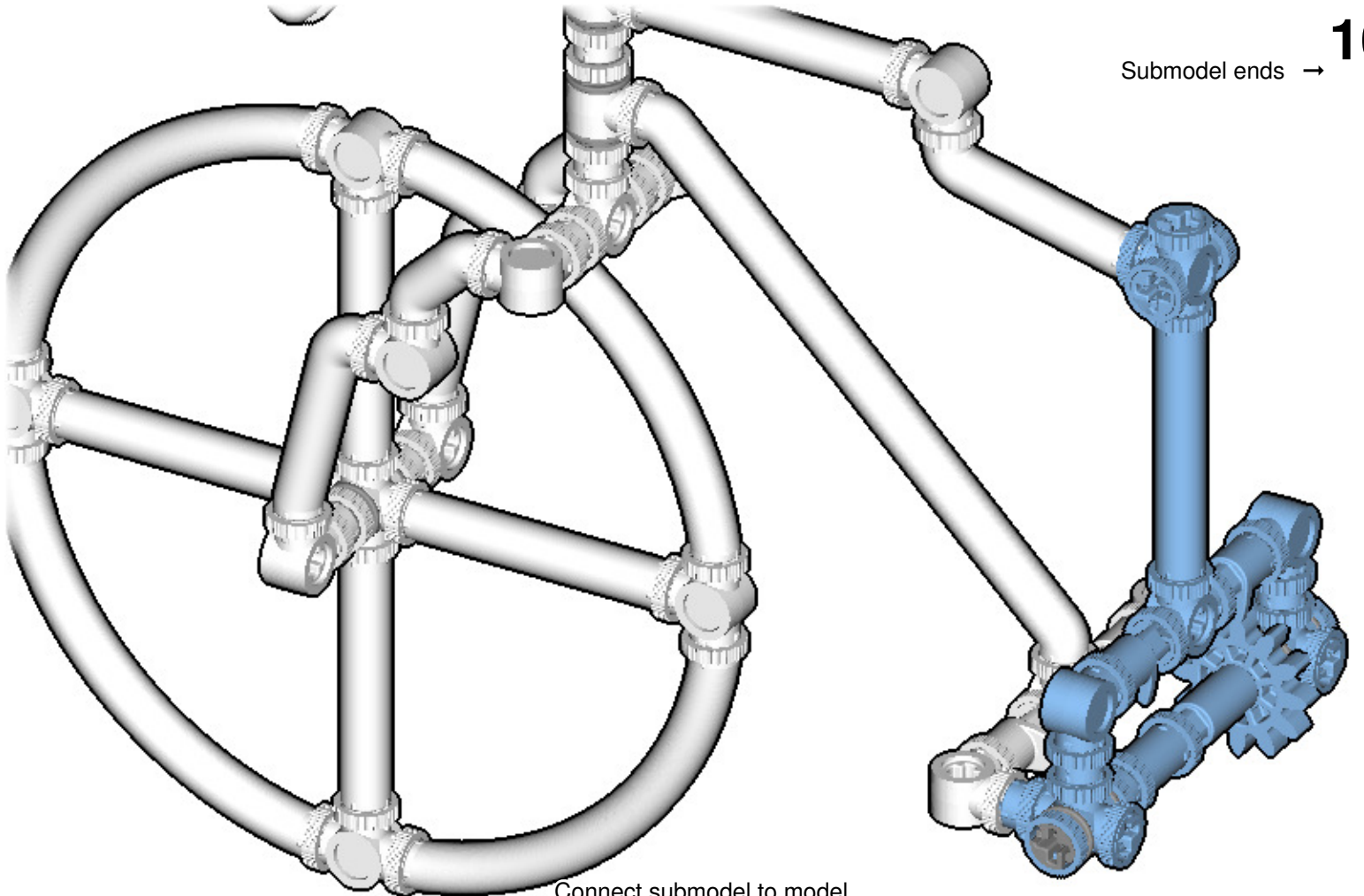


**15**



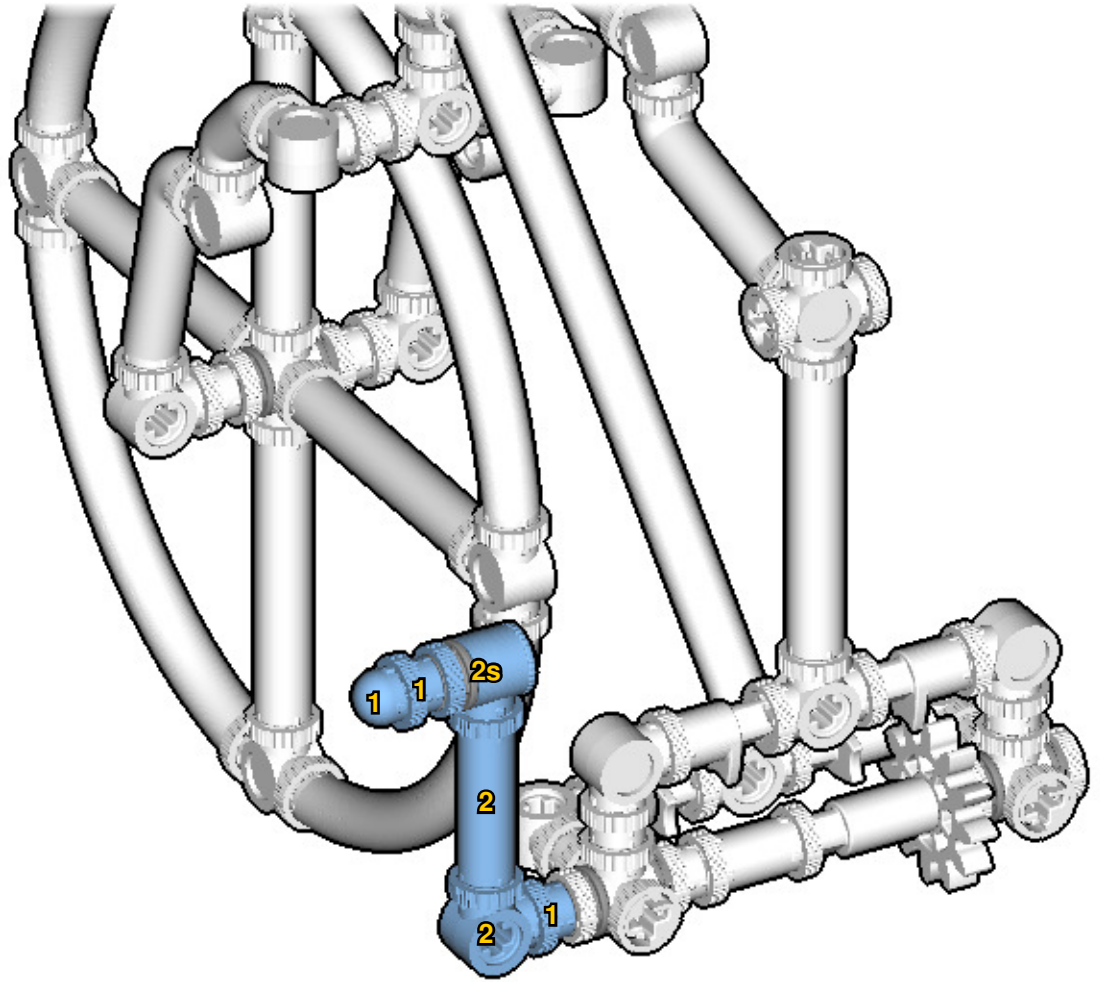
**16**

Submodel ends →

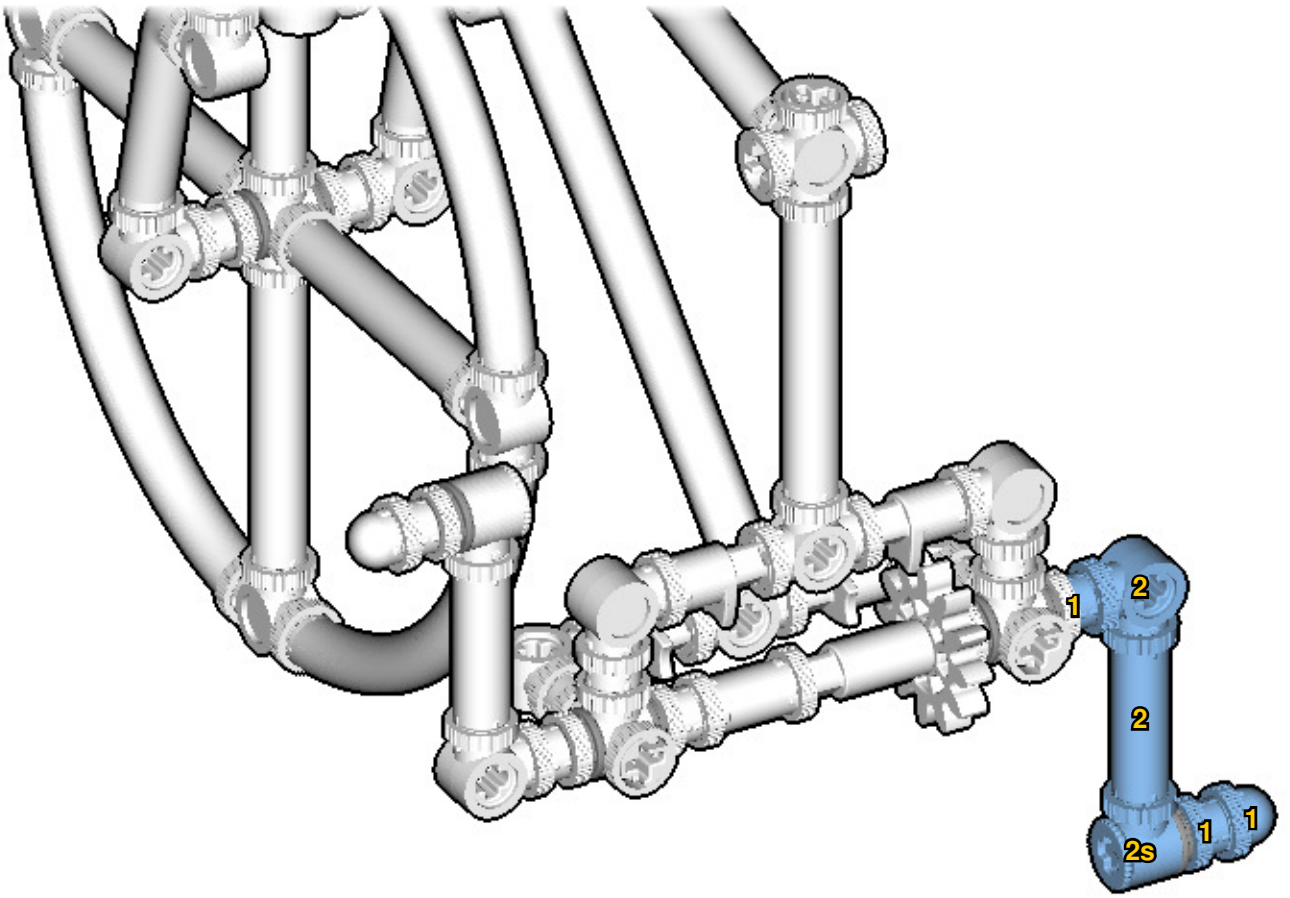


Connect submodel to model.

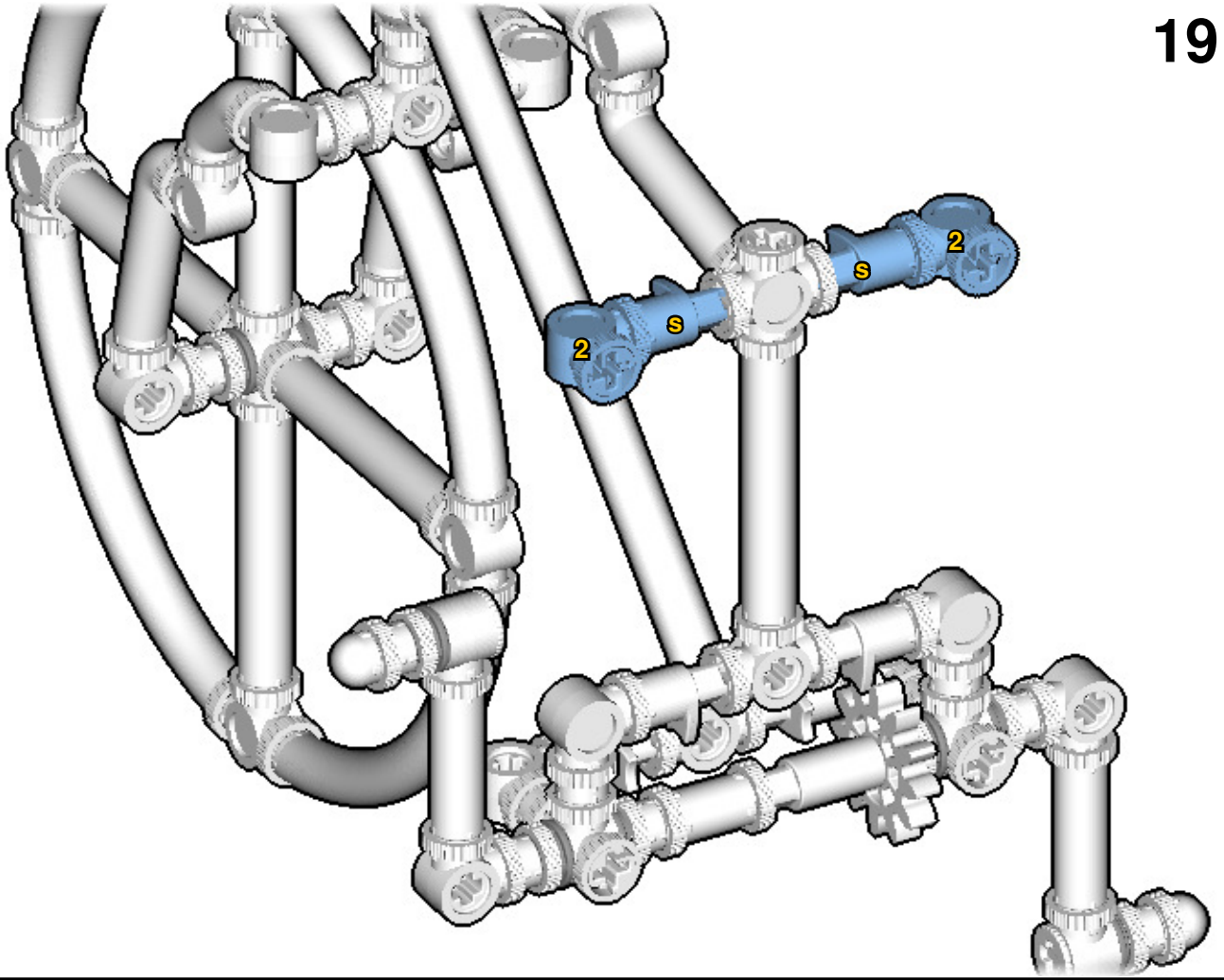
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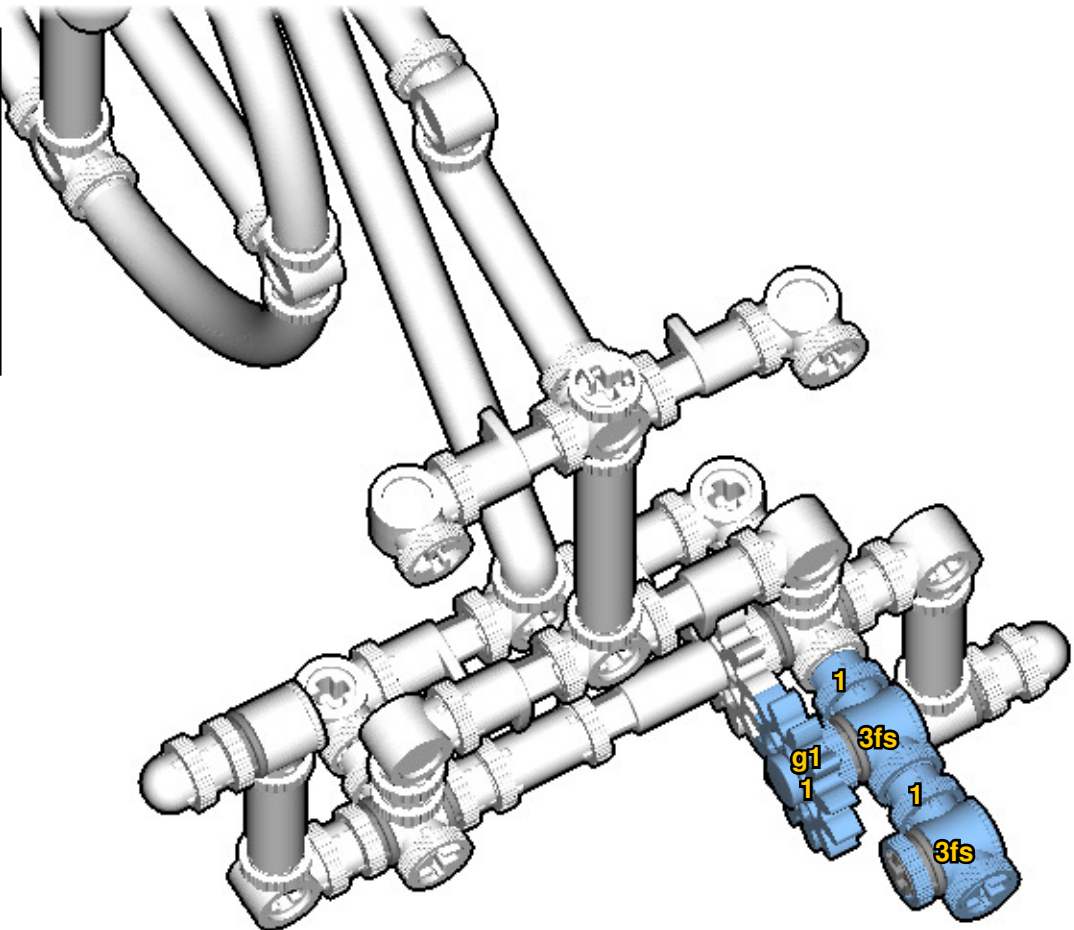




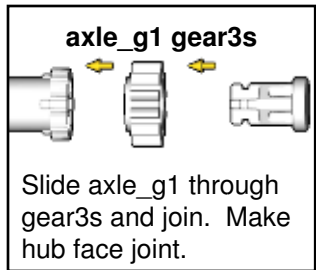


**axle\_g1 gear1**

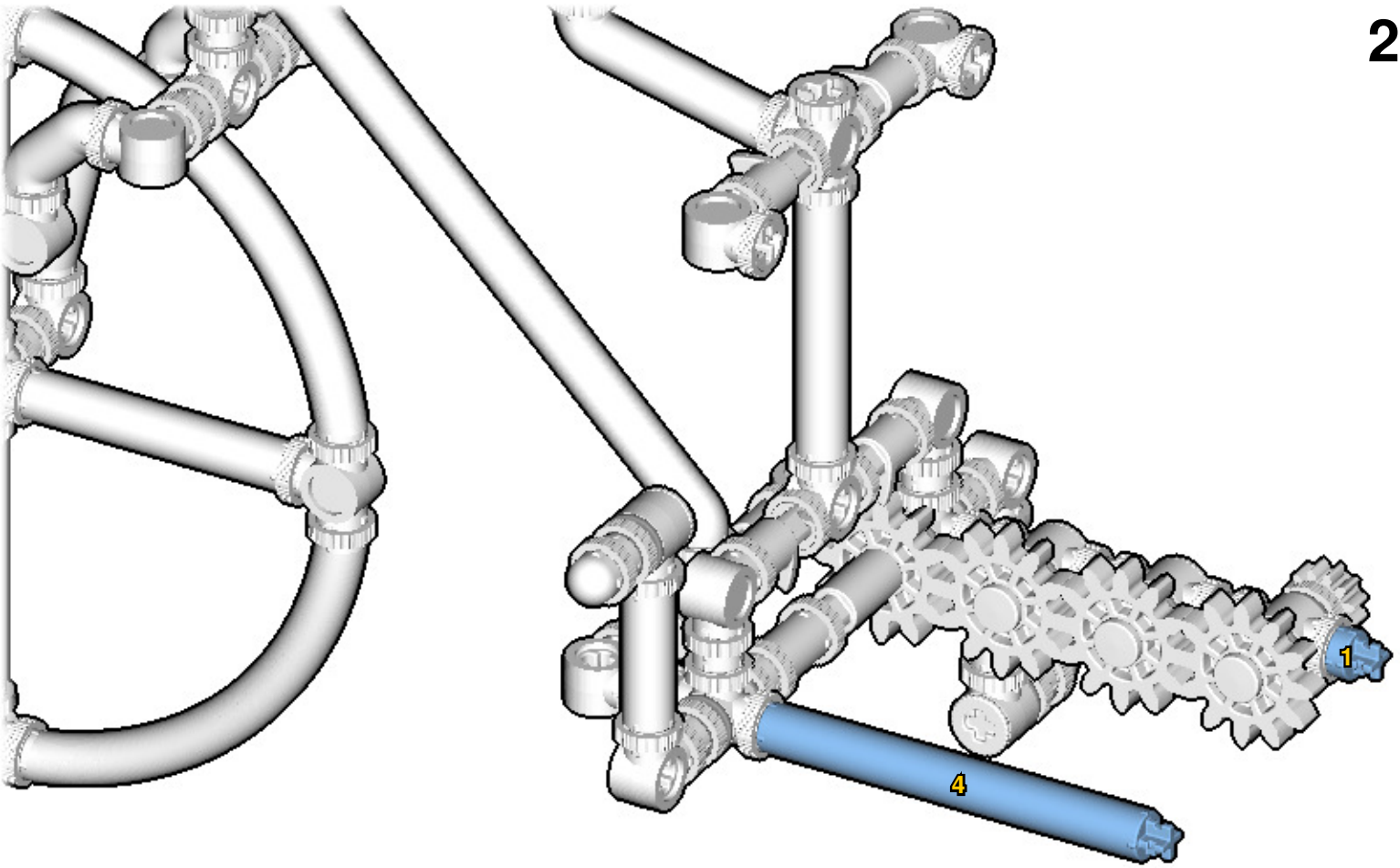
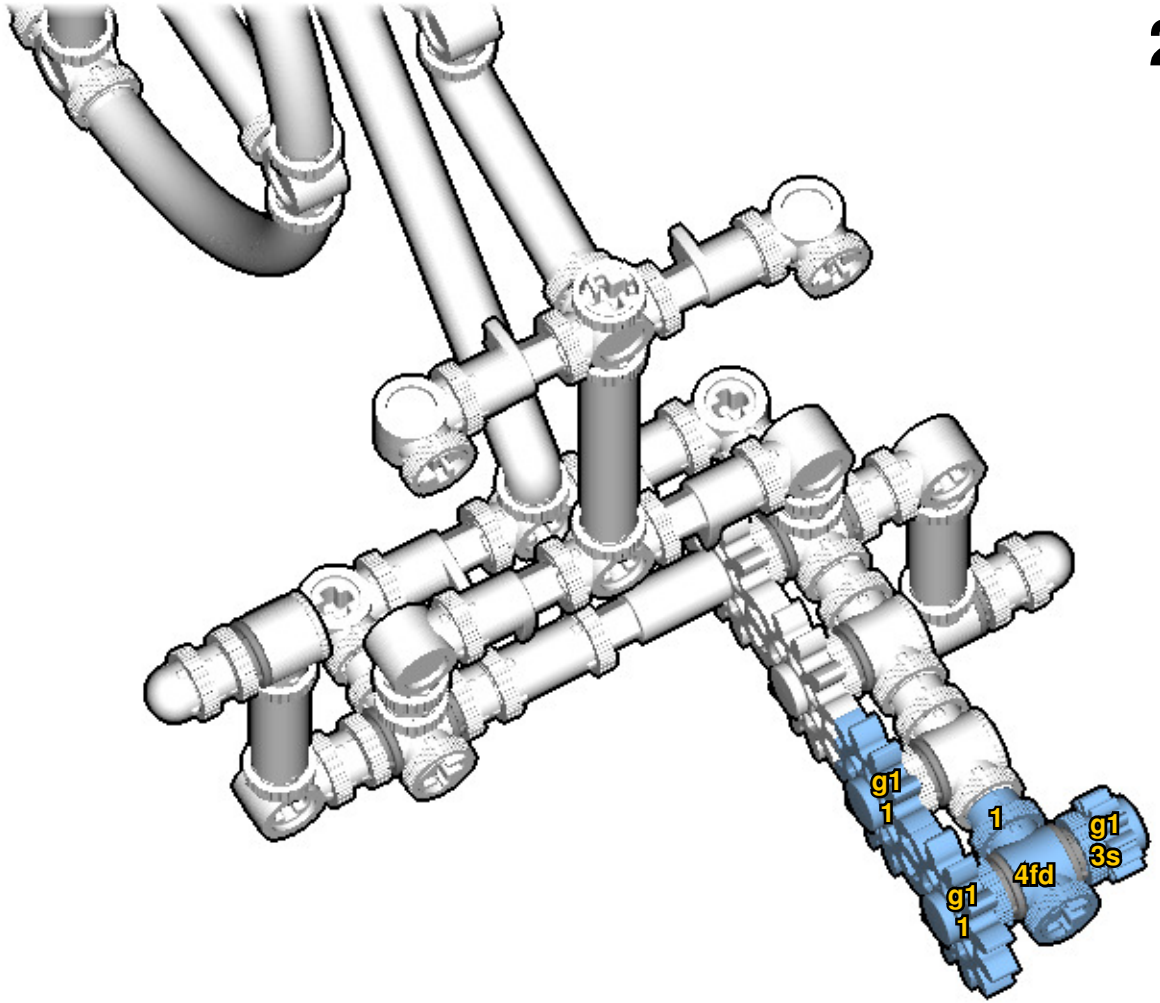
Slide axle\_g1 through gear1 and join. Make hub face joint.

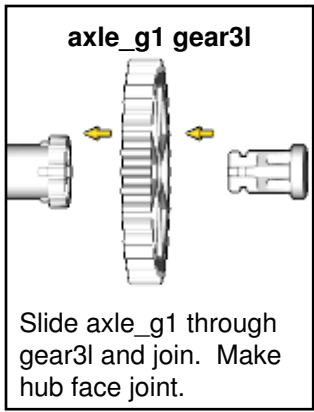
An inset diagram showing the assembly of an axle and a gear. It consists of three parts: a grey axle with a hole, a grey gear with a hole, and a grey axle with a hole. Yellow arrows indicate the assembly sequence: the axle is inserted into the gear, and then another axle is inserted into the gear's hole.

**axle\_g1 gear3s**



Slide axle\_g1 through gear3s and join. Make hub face joint.

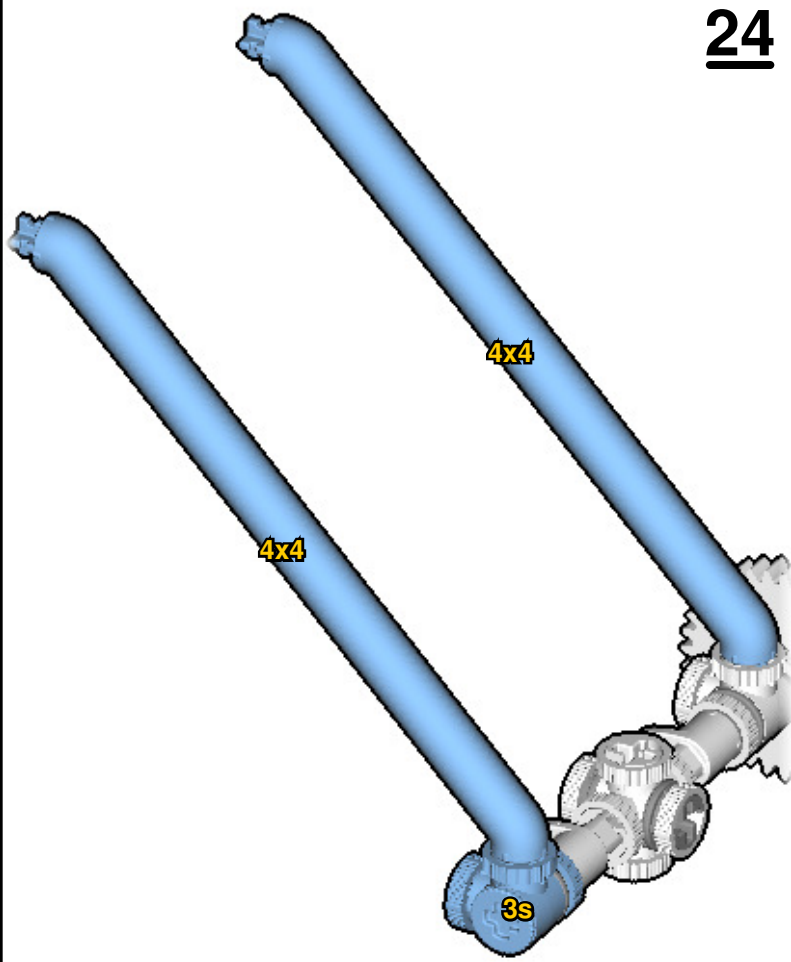




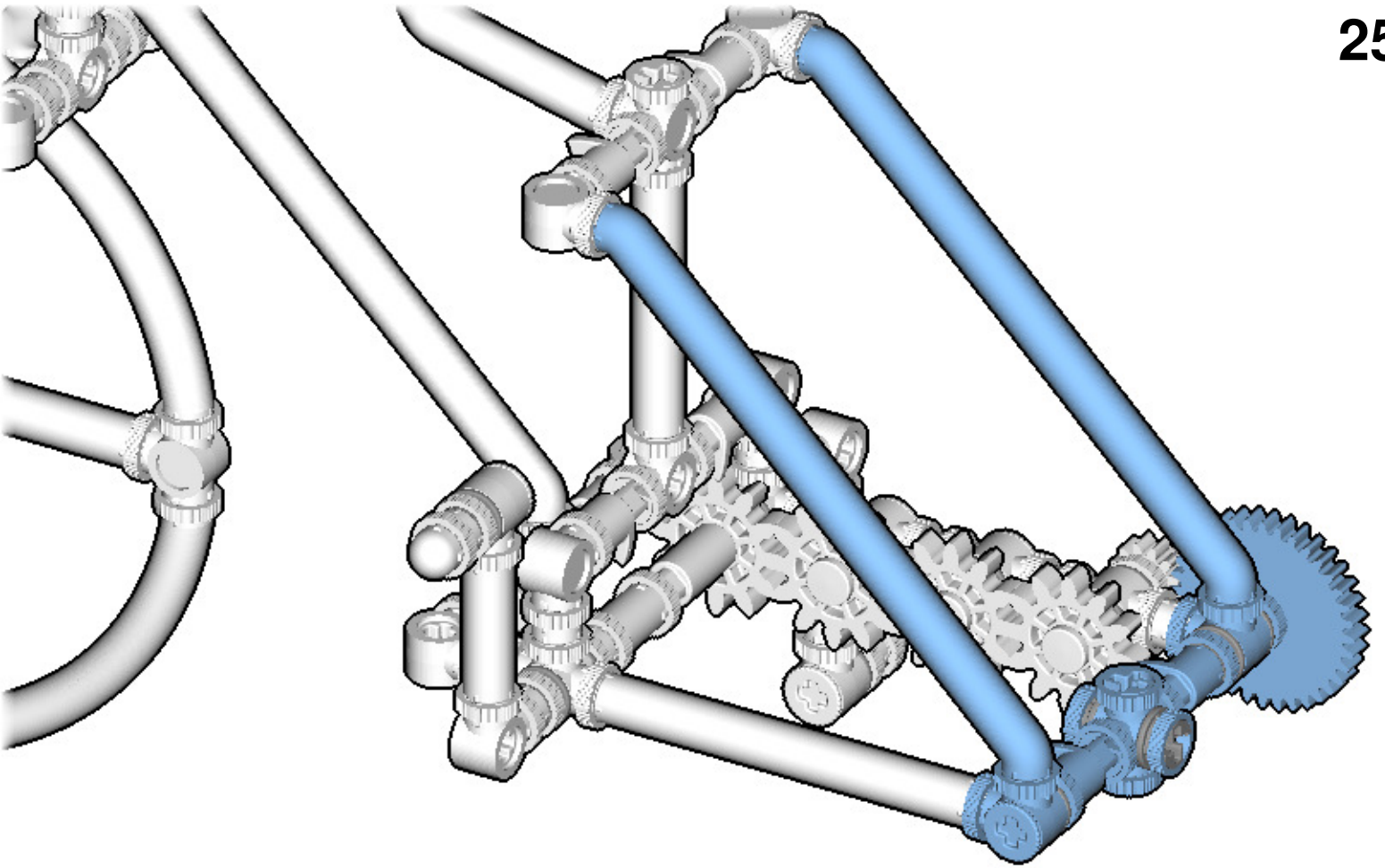
**23**

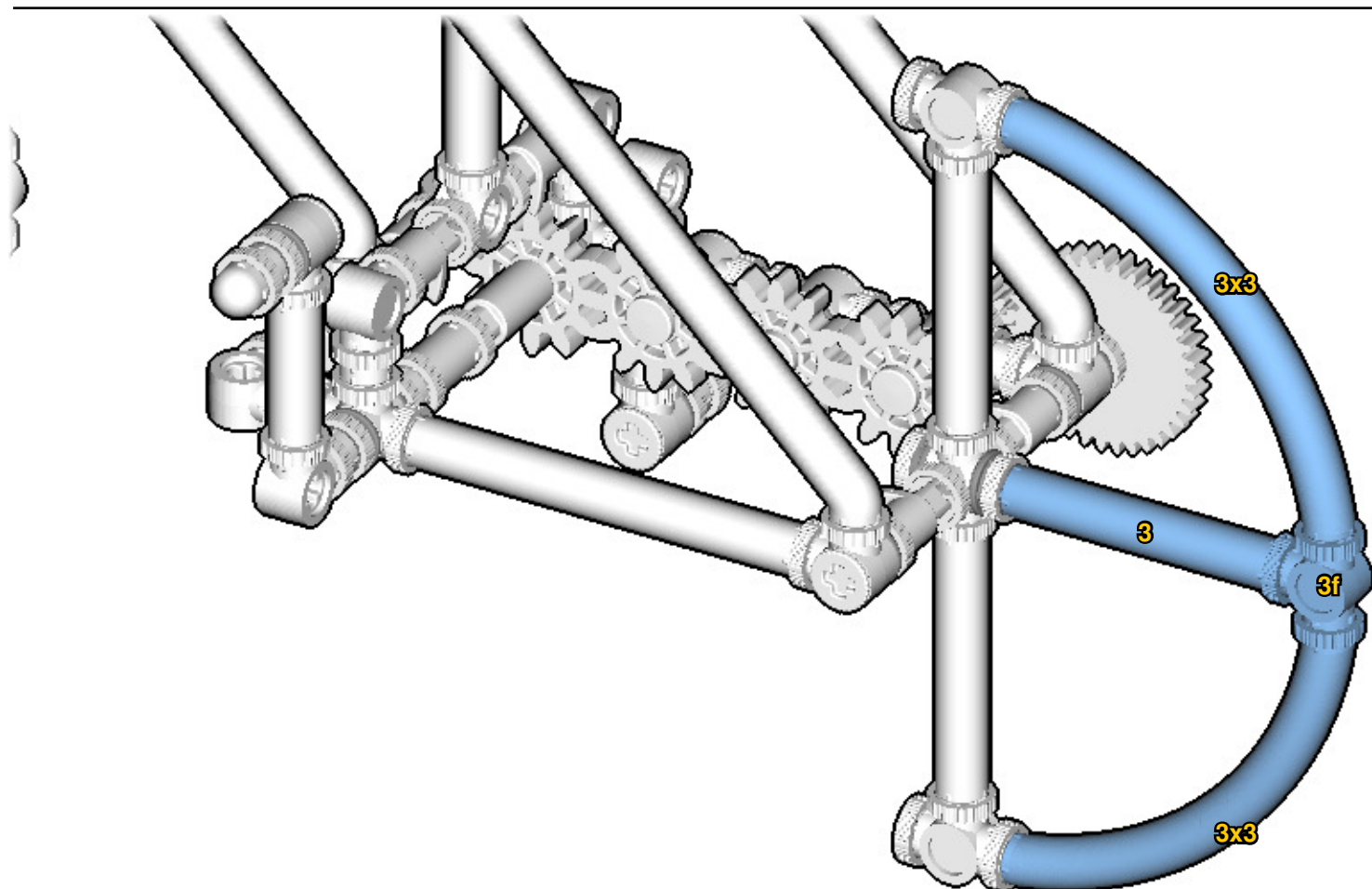
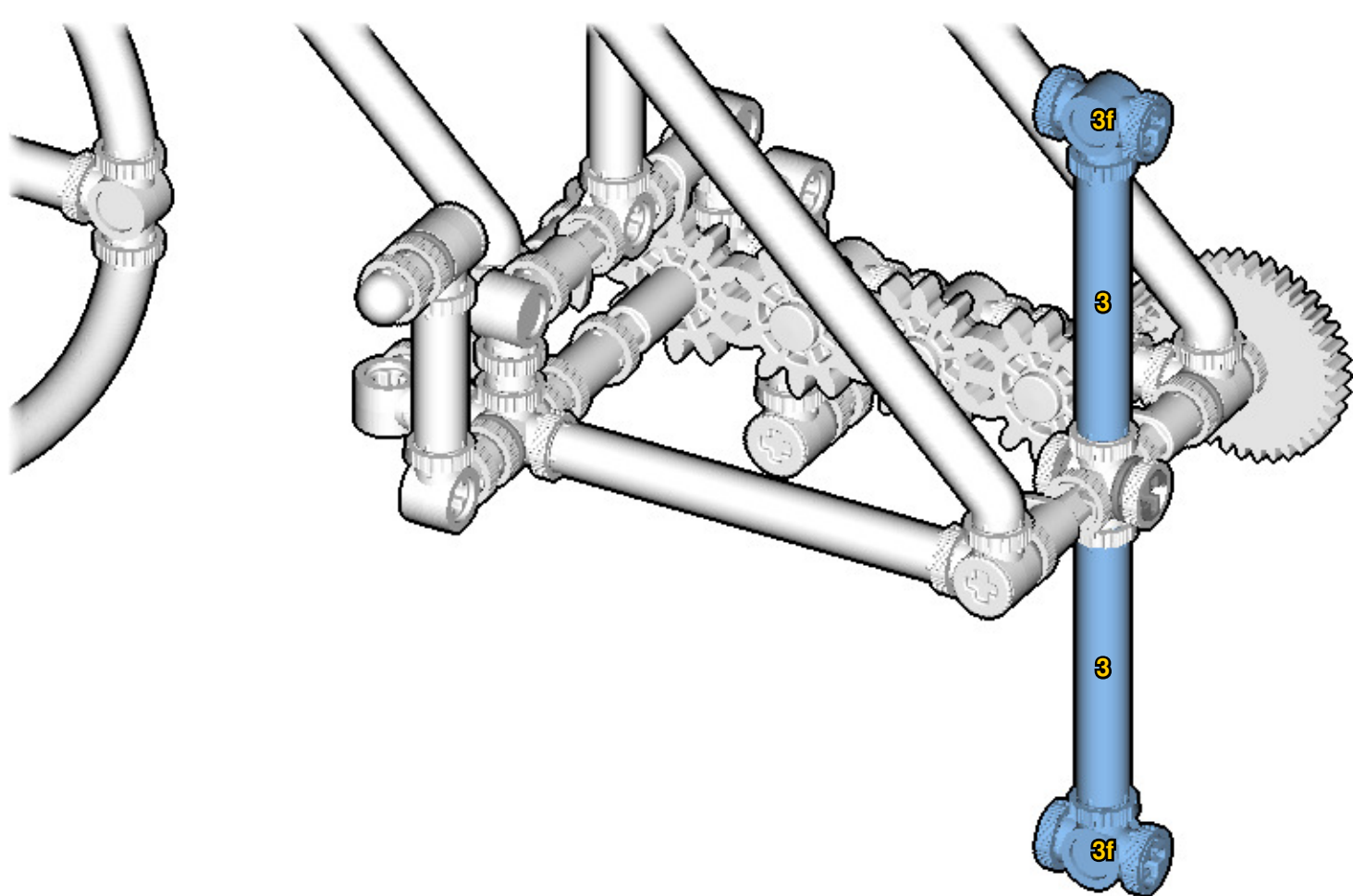


**24**

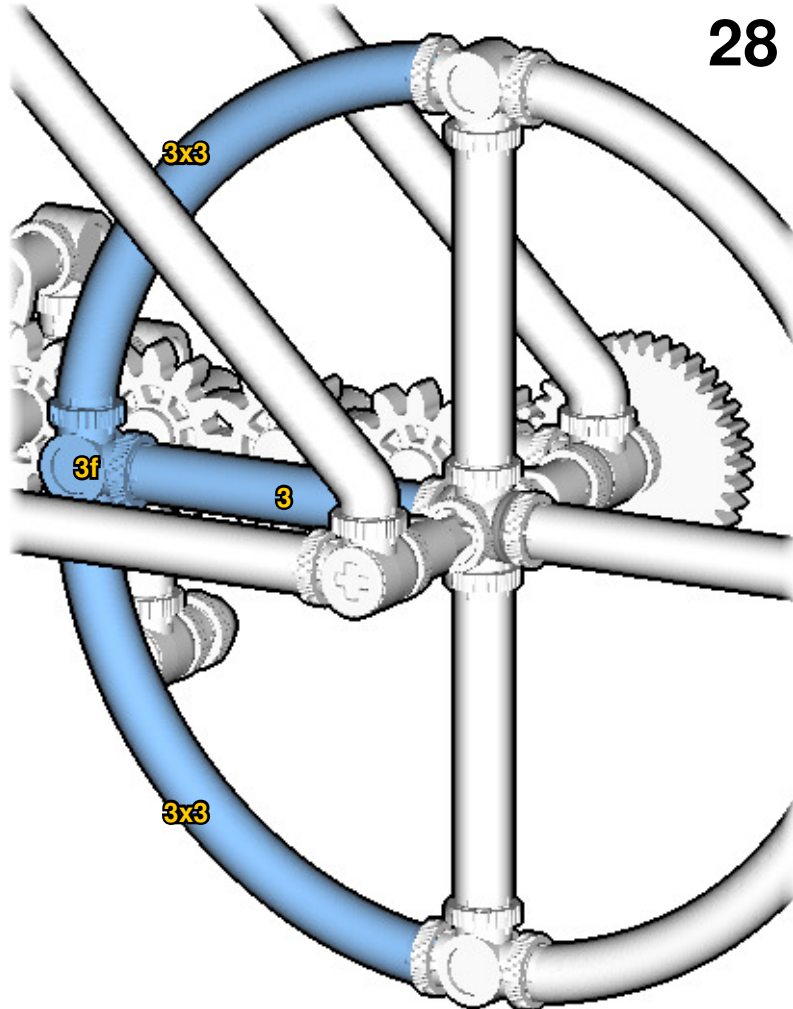


**25**

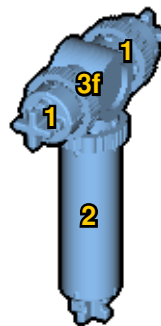




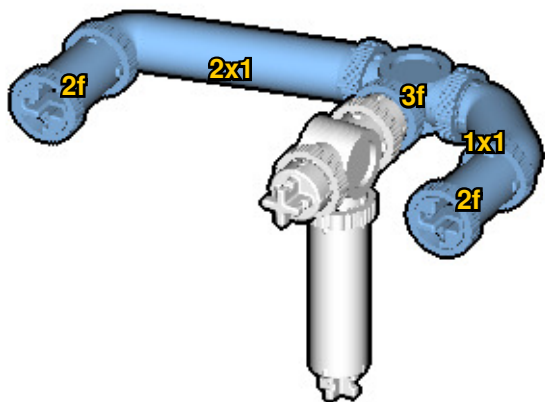
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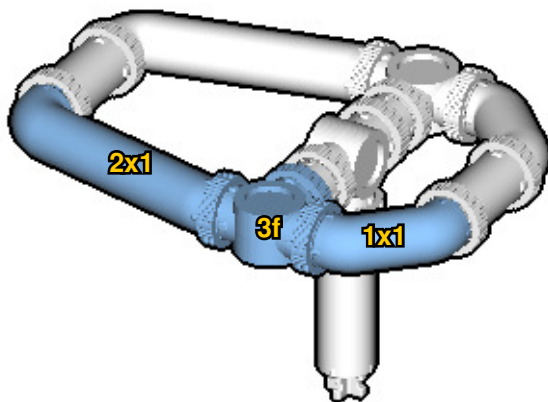
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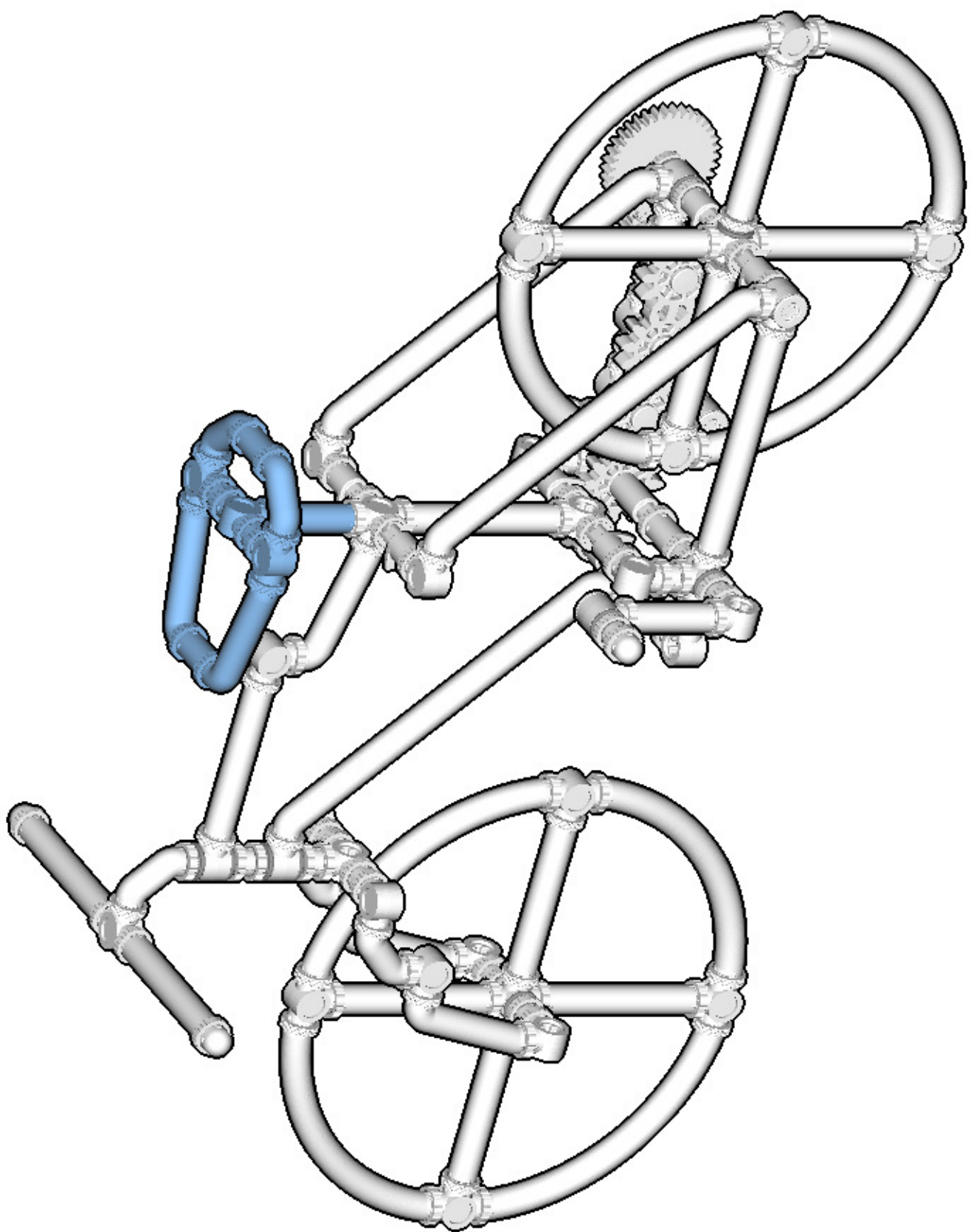


30

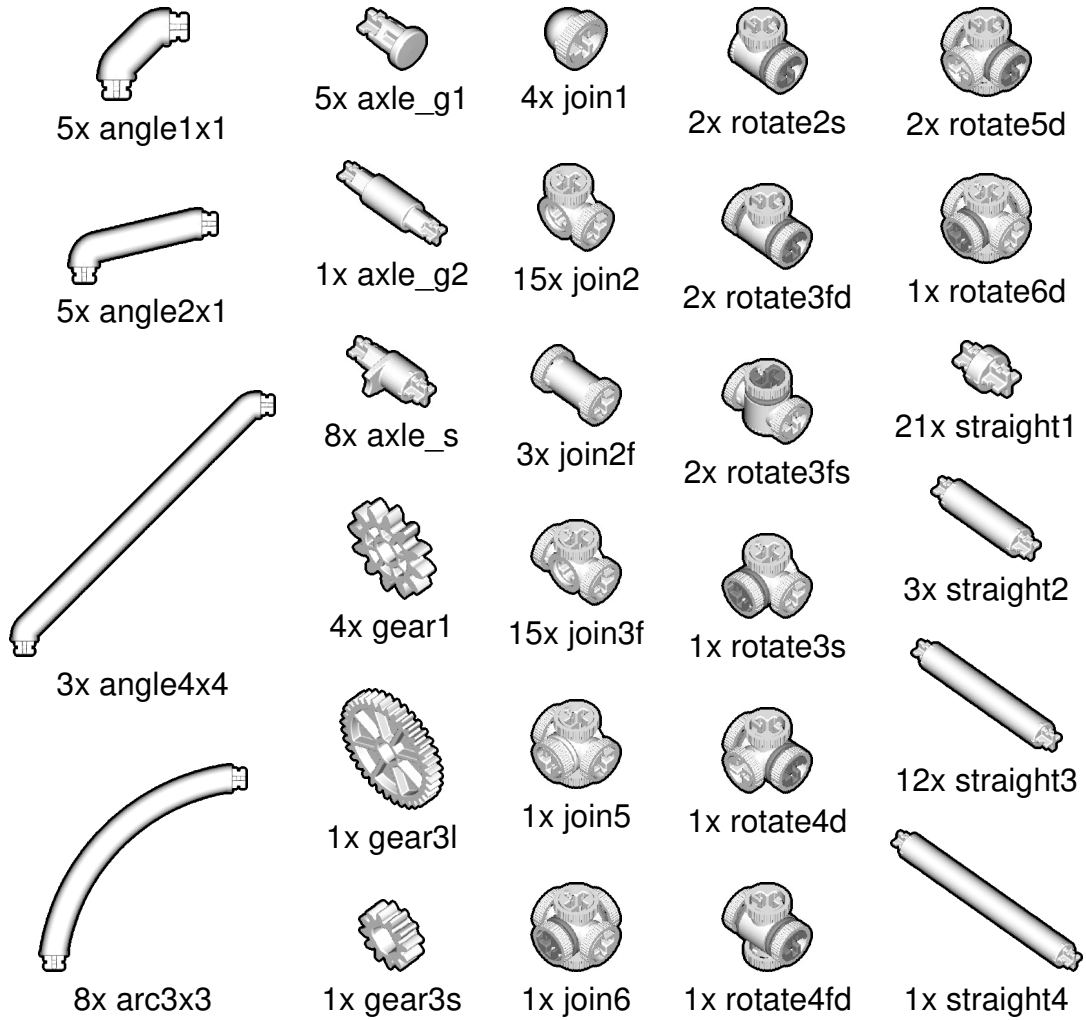


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# INVENTORY



# ACTUAL SIZE

