



Lego Technic compatible gears with custom sizes

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Summary

Lego Technic compatible gears/cogs with custom numbers of teeth.

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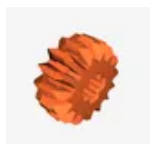
Lego Technic compatible gears/cogs with custom numbers of teeth.

If two gears have a combined number of teeth that is a multiple of 16, the distance between the axes is an integer number of Lego holes. For example, a combination of a 24 teeth gear and a 8 teeth gear have 32 teeth combined, resulting in a distance of 2 Lego holes.

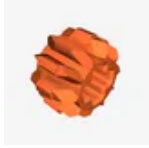
For an axis distance that is a multiple of 0.5 holes (ie. 1.5, 2, 2.5, 3, 3.5), the combined number of teeth needs to be a multiple of 8.

Also check out my part designer app: <https://marian42.de/partdesigner/>

Model files



gear_15.stl



gear_10.stl



gear_16.stl



gear_18.stl



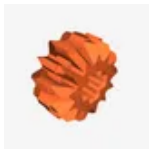
gear_12.stl



gear_11.stl



gear_14.stl



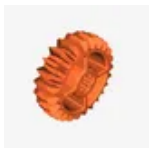
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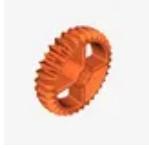
gear_21.stl



gear_19.stl



gear_24.stl



gear_32.stl



gear_26.stl



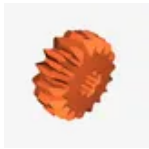
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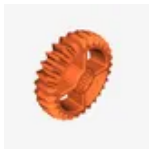
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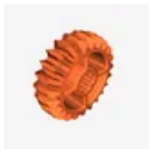
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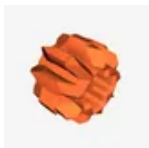
gear_17.stl



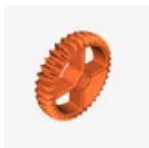
gear_28.stl



gear_23.stl



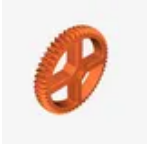
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gear_35.stl



gear_29.stl



gear_51.stl



gear_32.stl



gear_34.stl



gear_24.stl



gear_27.stl



gear_28.stl



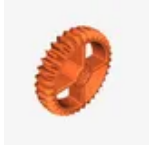
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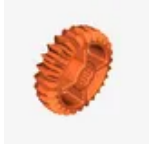
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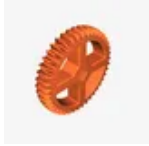
gear_25.stl



gear_33.stl



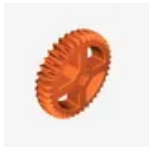
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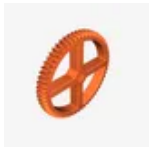
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gear_52.stl



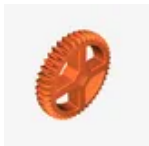
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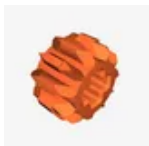
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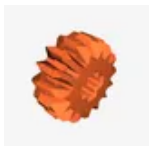
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gear_42.stl



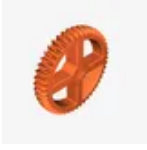
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gear_15.stl



gear_56.stl



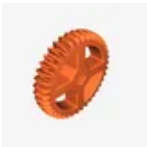
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gear_12.stl



gear_45.stl



gear_38.stl



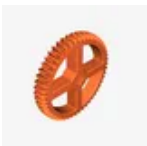
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gear_50.stl



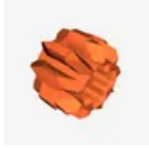
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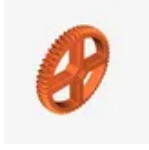
gear_49.stl



gear_54.stl



gear_9.stl



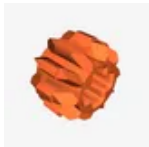
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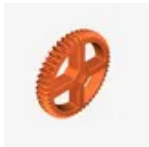
gear_20.stl



gear_57.stl



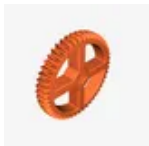
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gear_48.stl



gear_23.stl



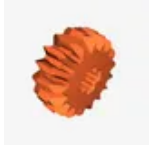
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gear_13.stl



gear_58.stl



gear_17.stl



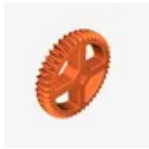
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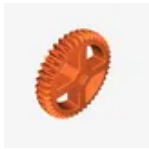
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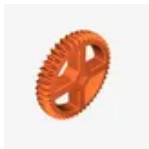
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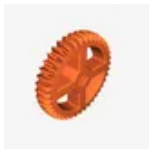
gear_43.stl



gear_40.stl



gear_44.stl



gear_39.stl



gear_21.stl



gear_18.stl



gear_22.stl

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