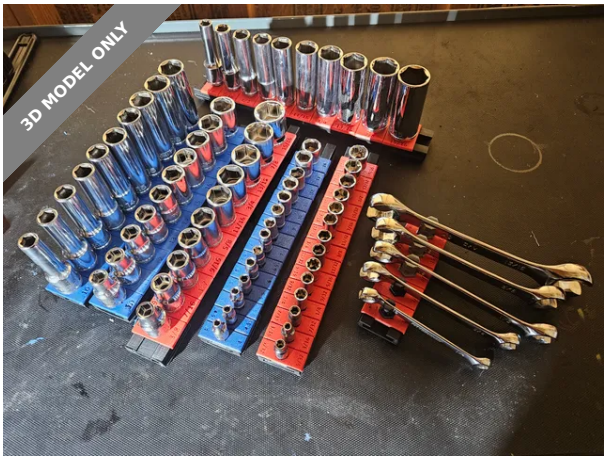


TrackTwist socket holder organizer 3/4" 1/2" 3/8" 1/4" drive SAE METRIC gridfinity V2 Wrench and tool organizer

AutoCode3D

VIEW IN BROWSER

updated 19. 4. 2026 | published 19. 4. 2026

Summary

Modular 3/4" 1/2" 3/8" 1/4" drive SAE METRIC deep/short well organizer. Doubles as wrench and screwdriver holder.

Hobby & Makers > Tools

Tags: tool socket toolholder openscad thingiverse gridfinity

Updates

- added V-style holder for ratchets and large extensions 8/17/2024
- 3-4 inch drive tool and socket holder and washers 2/18/2024
- changed tool holders to double as wrench organizer 2/18/2024
- uploaded washers for wrench organization.
- 3/8 inch holder compatible with same rail for compatibility

- reduced profile to accommodate up to 3.25 inch deepwell sockets in a common 4 inch drawer
- Fillets!
- Diverted from t-slot profile to reduce height of design and filament usage
- Integrated gridfinity profile

TrackTwist Socket Organizer

After investing considerable time researching various socket organizers on the market, I found myself consistently disappointed with their quality and the often high costs associated. This realization led me to design the**TrackTwist Socket Organizer**. Combining functionality with open-source principles, this organizer was conceived out of a pressing need for an improved storage solution.

Features:

Twist Lock Mechanism: The innovative twist-lock design ensures that sockets remain securely in place, even when dropped.

Modular Setup: Compartments can be tailored and rearranged to align with your specific socket collection and preferences.

Clear Size Markings: Each holder spotlights multiple size indicators, guaranteeing visibility from every angle. Say goodbye to the frustrating search for the right socket size.

Open-Source Design: Adaptability takes center stage. This organizer invites users to modify and adjust based on their specific needs and feedback.

Extensible: With the ability to create mounts, attachments, and end brackets, you can expand the organizer's capabilities as you see fit.

Durable Materials: Crafted with resilience in mind, it's primed to accommodate an assortment of socket weights and sizes without wavering.

Compact: Prioritizes efficient storage while minimizing spatial footprint.

TrackTwist Socket Organizer rectifies common issues inherent to existing organizers, showcasing a more malleable and user-oriented approach to socket storage. It's the go-to for those scouting a practical and adaptable tool storage mechanism.

Under construction — stay tuned for more sizes, attachments, and options in the pipeline!

Create your own custom washers using Prusa Slicer

I've uploaded a 60 washer of varying width. Don't see the text you want or need something custom engraved for a specialty socket or tool? You can use Prusa Slicer to engrave your own text! Font is **Calibri Bold.** Follow the instructions here: https://help.prusa3d.com/article/text-tool_399460

If you don't have a printer profile setup in prusa slicer no worries! Just add your text and save it as an STL and import into your regular slicer.

Magnets

25x2mm magnets. ~1" should work be sure to by neodymium magnets not ferrite https://www.amazon.com/dp/B0BC9MJ72G?psc=1&ref=ppx_yo2ov_dt_b_product_details

Contact

If you dont see a washer size on here that you need, or they dont work for you please reach out and ill see if I can generate the correct sizes you need. Use appropriate washer for IMPACT or regular walled sockets. Sizes should work for multiple Name brand and off-brand sockets.

Print Settings

Rafts:

No

Supports:

Yes

Resolution:

.2

Infill:

50%

Filament: Any PLA,PETG,ABS,ASA,PC

Notes:

For optimal strength and durability, follow these printing guidelines:

Printing Position and Supports ----------

- Print rails vertically on end. Will print faster flat on bed with support but will be a pain to pull supports and could warp. Recommend to add 3mm supports only to bed when printing on end. No supports needed when printing on end vertically.
- Print socket holders horizontally for ultimate strength.
- Use 5mm supports.
- Position the socket holder with the flat side of the nut facing downward. Ensure ball detents are perpendicular to the bed to achieve the best quality and strength.

*__Ensure washers are printed face down__ for the best print quality.

- Make sure there is proper support for the socket holder to prevent any deformation or warping during the printing process.

Infill Recommendations

- For the socket holder, use 50% infill. For other components, adjust the infill based on your preference.
- When using PLA for the socket holder, a 50% infill has proven stronger than 100%.

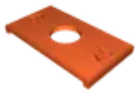
Filament Recommendations

1.**Polycarbonate:** This is the strongest filament tested to date, but it might be challenging for many to print with. 2.**PETG:** This is the second-best filament choice for socket holders and t-nuts. 3.**PLA:** Suitable for printing the rail, providing both ease and quality.

Category: Tool Holders & Boxes

Model files

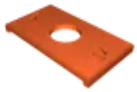
Wrench Washer Metric 40 files



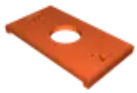
washer_40.stl



washer_19.stl



washer_14.stl



washer_21.stl



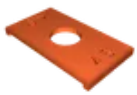
washer_16.stl



washer_10.stl



washer_15.stl



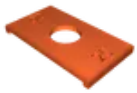
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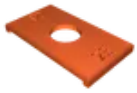
washer_29.stl



washer_27.stl



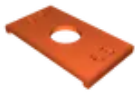
washer_20.stl



washer_23.stl



washer_32.stl



washer_65.stl



washer_34.stl



washer_24.stl



washer_38.stl



washer_39.stl



washer_7.stl



washer_26.stl



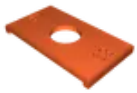
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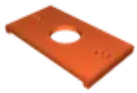
washer_5.stl



washer_9.stl



washer_18.stl



washer_8.stl



washer_17.stl



washer_25.stl



washer_35.stl



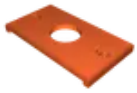
washer_31.stl



washer_22.stl



washer_55.stl



washer_6.stl



washer_36.stl



washer_33.stl



washer_37.stl



washer_4.stl



washer_11.stl



washer_28.stl



washer_12.stl

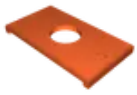


washer_13.stl

Wrench washer SAE 24 files



washer_3_4.stl



washer_1.stl



washer_5_8.stl



washer_11_16.stl



washer_1_2.stl



washer_9_16.stl



washer_7_8.stl



washer_5_16.stl



washer_1_1_8.stl



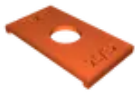
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washer_3_8.stl



washer_1_4.stl



washer_25_32.stl



washer_1_5_16.stl



washer_1_1_4.stl



washer_7_16.stl



washer_21_32.stl



washer_1_9_16.stl



washer_1_5_8.stl



washer_19_32.stl



washer_1_3_16.stl



washer_1_1_2.stl



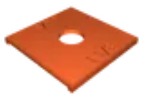
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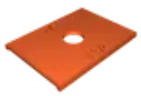
washer_15_16.stl



3-4 drive SAE washers 20 files



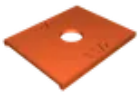
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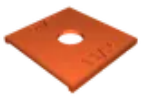
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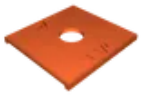
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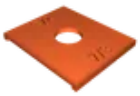
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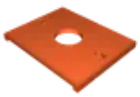
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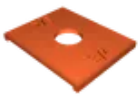
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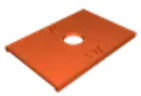
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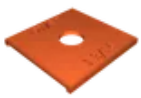
washer_2.stl



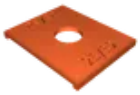
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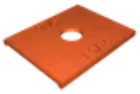
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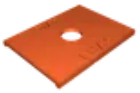
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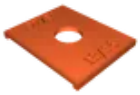
washer_25_32.stl



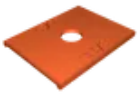
washer_1_9_16.stl



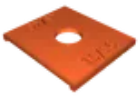
washer_1_11_16.stl



washer_13_16.stl



washer_1_5_8.stl



washer_15_16.stl



washer_1_13_16.stl



OpenScad-python model generators 7 files



cradle_generator.scad



holder_90mm.scad

washergenrator.py

fillets2d.scad

fillets3d.scad

washer_example.scad

clampholder.py

1-4 drive Blank Washers 21 files



washer_210mm.stl



washer_130mm.stl



washer_150mm.stl



washer_105mm.stl



washer_270mm.stl



washer_170mm.stl



washer_190mm.stl



washer_115mm.stl



washer_160mm.stl



washer_240mm.stl



washer_110mm.stl



washer_220mm.stl



washer_180mm.stl



washer_260mm.stl



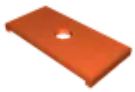
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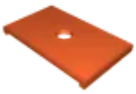
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washer_125mm.stl



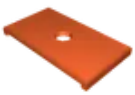
washer_200mm.stl



washer_250mm.stl



washer_100mm.stl



washer_230mm.stl



1-4 drive Metric 15 files



washer_7.stl



washer_9.stl



washer_11.stl



washer_6.stl



washer_10.stl



washer_8.stl



washer_65.stl



washer_15.stl



washer_13.stl



washer_12.stl



washer_5.stl



washer_4.stl



washer_14.stl



washer_45.stl



washer_55.stl



1-4 drive SAE 14 files



washer_1_4.stl



washer_7_16.stl



washer_7_32.stl



washer_5_16.stl



washer_9_16.stl



washer_9_32.stl



washer_3_16.stl



washer_11_32.stl



washer_3_8.stl



washer_13_32.stl



washer_5_32.stl



washer_17_32.stl



washer_1_2.stl



washer_15_32.stl

3-8 drive TORX, TR, E washers 41 files



washer_t10.stl



washer_t8.stl



washer_t25.stl



washer_t15.stl



washer_e20.stl



washer_t20.stl



washer_e16.stl



washer_e18.stl



washer_t6.stl



washer_t27.stl



washer_e14.stl



washer_e4.stl



washer_tr55.stl



washer_t30.stl



washer_e22.stl



washer_tr50.stl



washer_e8.stl



washer_t40.stl



washer_e7.stl



washer_t45.stl



washer_e5.stl



washer_tr60.stl



washer_e6.stl



washer_t50.stl



washer_e12.stl



washer_t55.stl



washer_tr15.stl



washer_tr10.stl



washer_tr6.stl



washer_t60.stl



washer_e11.stl



washer_tr20.stl



washer_tr8.stl



washer_tr45.stl



washer_tr30.stl



washer_tr27.stl



washer_tr47.stl



washer_tr40.stl



washer_e10.stl



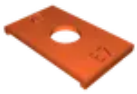
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washer_tr25.stl



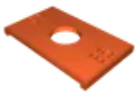
1-2 drive TORX, TR, E washers 41 files



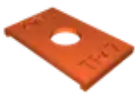
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washer_e20.stl



washer_e5.stl



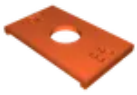
washer_tr47.stl



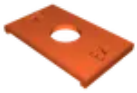
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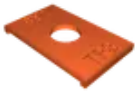
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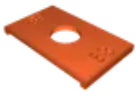
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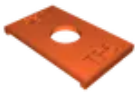
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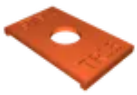
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washer_e8.stl



washer_tr6.stl



washer_tr15.stl



washer_e10.stl



washer_e11.stl



washer_t10.stl



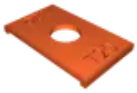
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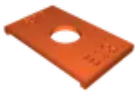
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washer_t20.stl



washer_tr40.stl



washer_e18.stl



washer_t40.stl



washer_tr10.stl



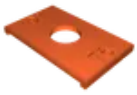
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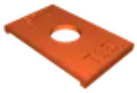
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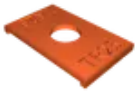
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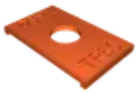
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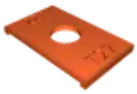
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washer_tr25.stl



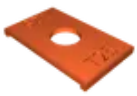
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washer_t27.stl



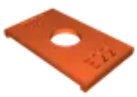
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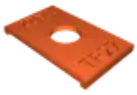
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washer_e22.stl



washer_e12.stl



washer_tr27.stl



washer_t8.stl



washer_t47.stl



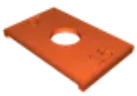
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washer_tr30.stl



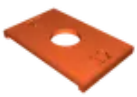
Impact Socket extra wide washers Metric for 3-8 and 1-2 36 files



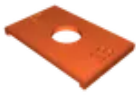
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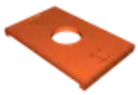
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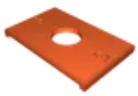
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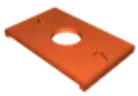
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washer_11.stl



washer_9.stl



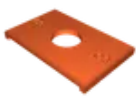
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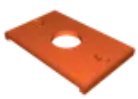
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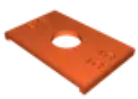
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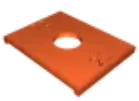
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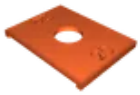
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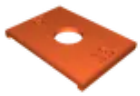
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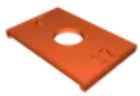
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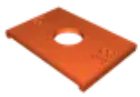
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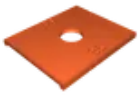
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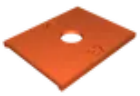
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washer_18.stl



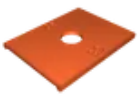
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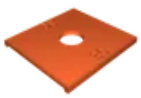
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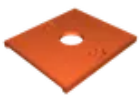
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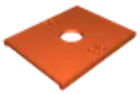
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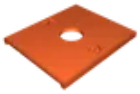
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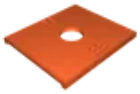
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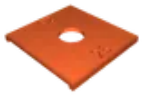
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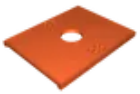
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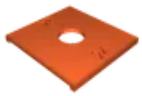
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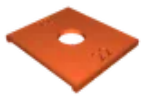
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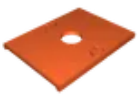
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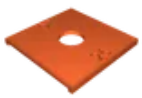
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washer_22.stl



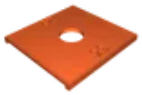
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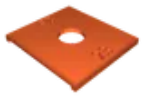
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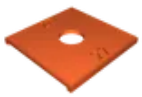
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washer_29.stl



washer_23.stl



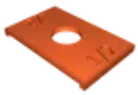
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washer_5_8.stl



washer_1_2.stl



washer_9_16.stl



washer_7_16.stl



washer_19_32.stl



washer_5_16.stl



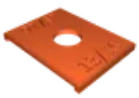
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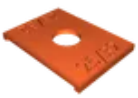
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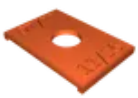
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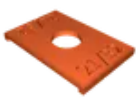
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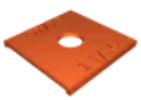
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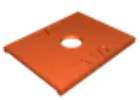
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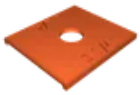
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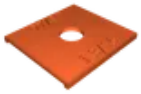
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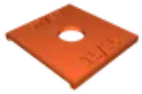
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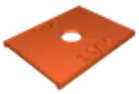
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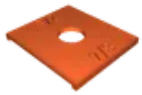
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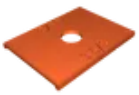
washer_15_16.stl



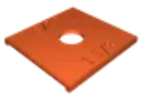
washer_1_9_16.stl



washer_7_8.stl



washer_1_5_8.stl



washer_1_1_8.stl



washer_1_5_16.stl



washer_1.stl

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washer_1_4.stl



washer_5_16.stl



washer_11_32.stl



washer_9_32.stl



washer_3_8.stl



washer_7_16.stl



washer_1_2.stl



washer_9_16.stl



washer_19_32.stl



washer_5_8.stl



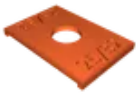
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washer_11_16.stl



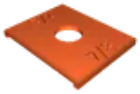
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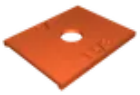
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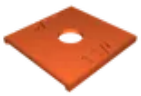
washer_13_16.stl



washer_7_8.stl



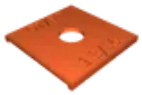
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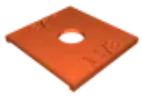
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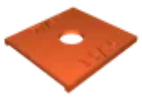
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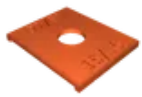
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washer_1_1_8.stl



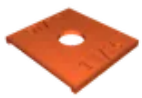
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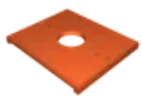
washer_15_16.stl



washer_1_1_2.stl



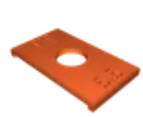
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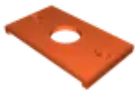
washer_1.stl



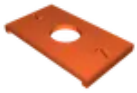
Metric Washers 3-8 and 1-2 36 files



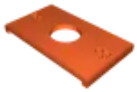
washer_55.stl



washer_6.stl



washer_7.stl



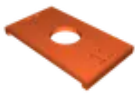
washer_8.stl



washer_9.stl



washer_10.stl



washer_11.stl



washer_12.stl



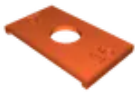
washer_13.stl



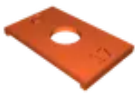
washer_14.stl



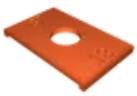
washer_15.stl



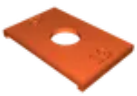
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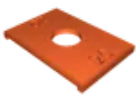
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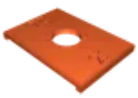
washer_18.stl



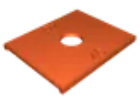
washer_19.stl



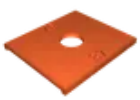
washer_20.stl



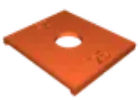
washer_21.stl



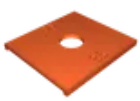
washer_40.stl



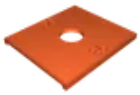
washer_37.stl



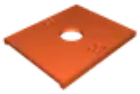
washer_25.stl



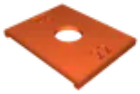
washer_35.stl



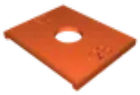
washer_36.stl



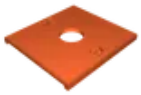
washer_39.stl



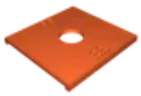
washer_22.stl



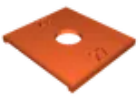
washer_23.stl



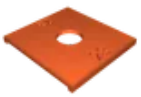
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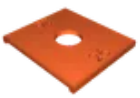
washer_33.stl



washer_27.stl



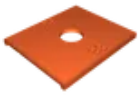
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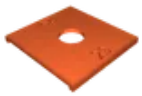
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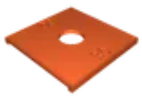
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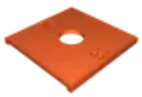
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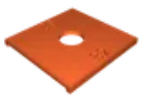
washer_29.stl



washer_30.stl



washer_31.stl



washer_32.stl



Ratchet and extension holders 59 files



holder_355mm.stl



holder_225mm.stl



holder_285mm.stl



holder_360mm.stl



holder_280mm.stl



holder_350mm.stl



holder_295mm.stl



holder_95mm.stl



holder_345mm.stl



holder_290mm.stl



holder_265mm.stl



holder_275mm.stl



holder_100mm.stl



holder_270mm.stl



holder_315mm.stl



holder_260mm.stl



holder_365mm.stl



holder_320mm.stl



holder_340mm.stl



holder_330mm.stl



holder_235mm.stl



holder_325mm.stl



holder_335mm.stl



holder_105mm.stl



holder_375mm.stl



holder_370mm.stl



holder_380mm.stl



holder_230mm.stl



holder_310mm.stl



holder_255mm.stl



holder_90mm.stl



holder_305mm.stl



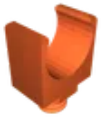
holder_300mm.stl



holder_250mm.stl



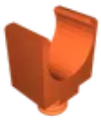
holder_240mm.stl



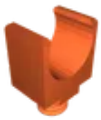
holder_210mm.stl



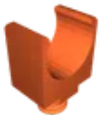
holder_245mm.stl



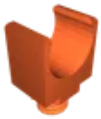
holder_195mm.stl



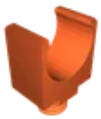
holder_190mm.stl



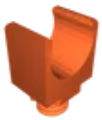
holder_200mm.stl



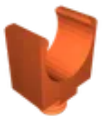
holder_185mm.stl



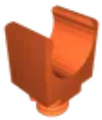
holder_205mm.stl



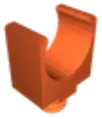
holder_175mm.stl



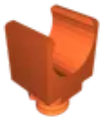
holder_215mm.stl



holder_170mm.stl



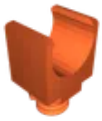
holder_220mm.stl



holder_160mm.stl



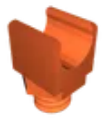
holder_145mm.stl



holder_165mm.stl



holder_155mm.stl



holder_115mm.stl



holder_130mm.stl



holder_150mm.stl



holder_125mm.stl



holder_140mm.stl



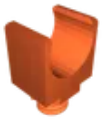
holder_110mm.stl



holder_120mm.stl



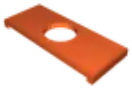
holder_135mm.stl



holder_180mm.stl



Blank Washers 61 files



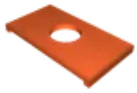
washer_17025mm.stl



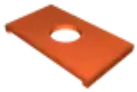
washer_410mm.stl



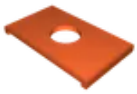
washer_420mm.stl



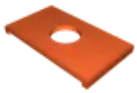
washer_225mm.stl



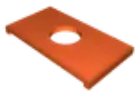
washer_235mm.stl



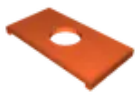
washer_245mm.stl



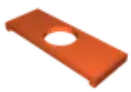
washer_23875mm.stl



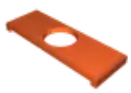
washer_22581249999999997mm.stl



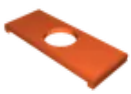
washer_215mm.stl



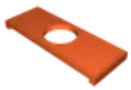
washer_154375mm.stl



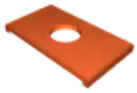
washer_145mm.stl



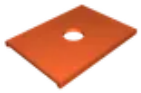
washer_165mm.stl



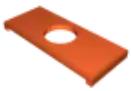
washer_155mm.stl



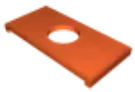
washer_23375mm.stl



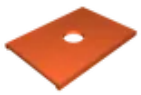
washer_56037499999999994mm.stl



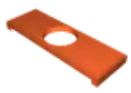
washer_175mm.stl



washer_205mm.stl



washer_57625mm.stl



washer_1385mm.stl



washer_54449999999999996mm.stl



washer_4175mm.stl



washer_430mm.stl



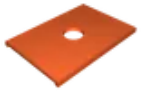
washer_433375mm.stl



washer_450mm.stl



washer_440mm.stl



washer_592125mm.stl



washer_48099999999999994mm.stl



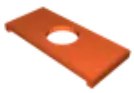
washer_135mm.stl



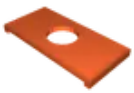
washer_18612499999999997mm.stl



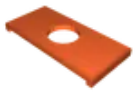
washer_130mm.stl



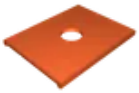
washer_185mm.stl



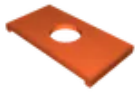
washer_202mm.stl



washer_195mm.stl



washer_528625mm.stl



washer_217875mm.stl



washer_51275mm.stl



washer_285mm.stl



washer_496875mm.stl



washer_330mm.stl



washer_32224999999999994mm.stl



washer_320mm.stl



washer_338125mm.stl



washer_281375mm.stl



washer_340mm.stl



washer_360mm.stl



washer_369875mm.stl



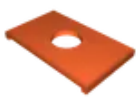
washer_370mm.stl



washer_350mm.stl



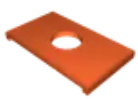
washer_380mm.stl



washer_249625mm.stl



washer_38575mm.stl



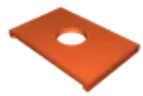
washer_2416875mm.stl



washer_400mm.stl



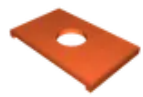
washer_40162499999999994mm.stl



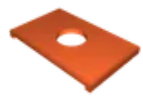
washer_275mm.stl



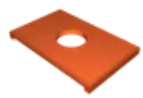
washer_390mm.stl



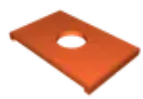
washer_255mm.stl



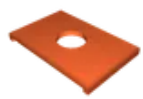
washer_25875mm.stl



washer_265mm.stl



washer_26549999999999997mm.stl



washer_2734375mm.stl

rails 8 files



tracktwist-rail-for-all-sizes-1x2.stl



tracktwist-rail-for-all-sizes-1x3.stl



tracktwist-rail-for-all-sizes-1x4.stl



tracktwist-rail-for-all-sizes-1x5.stl



tracktwist-rail-for-all-sizes-1x6.stl



tracktwist-rail-for-all-sizes-1x7.stl



tracktwist-rail-for-all-sizes-1x1.stl



tracktwist-rail-for-all-sizes-1x8.stl

Solidworks Files 7 files



1-2-and-3-8-inch-rail-nut.sldprt



3-4-inch-holder-and-tool-holder.sldprt



1-2-inch-holder-and-tool-holder.sldprt



1-2-and-3-8-inch-holder-gridfinity-1x5.sldasm



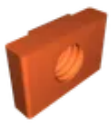
3-8-inch-holder-and-toold-holder.sldprt



1-4-inch-rail-nut.sldprt



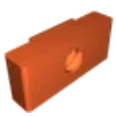
1_4_holder_split.sldprt



3-4_and_1-2_and_3-8_inch_rail_nut.stl



1_4_holder_v2.stl



1-4-inch-rail-nut.stl



3-4-inch-holder-and-tool-holder.stl



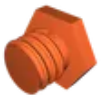
1-2-inch-holder-and-tool-holder.stl



3-8-inch-holder-and-tool-holder.stl



25x36mm-cradle.stl



1-2-inch-holder-base.stl

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