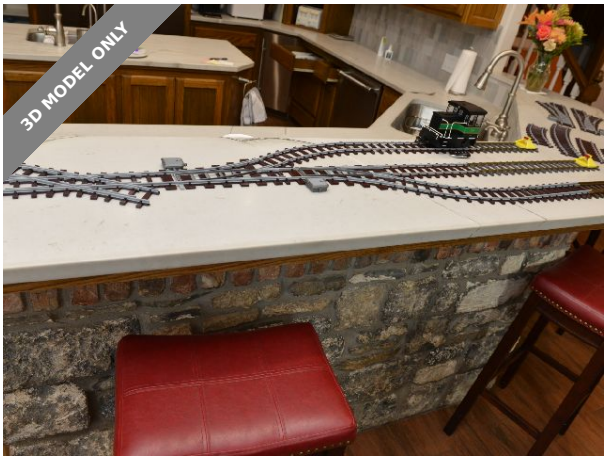

Snap-together Gauge 1 Model Railroad Track

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VIEW IN BROWSER

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Summary

Here is a system of Gauge 1 (G Scale) model railroad track that can connect to LGB, Accucraft or Aster track.

Toys & Games > Vehicles

Tags: railroad track modelrailroad lgb gscale aster gauge1 livesteam accucraft code332 fscale humetrack

This project and related ones to follow, provide a system of snap-together model railroad track parts that are functional for live steam or battery operated locomotives, and can serve as display track for electric trains that require track wiring. The system includes a variety of straight and curved track pieces, switches, end-of-track bumpers, a cross-over track, and an adapter track that can connect to LGB code 332 track or similar track made by Accucraft. The snap-together ends are directly compatible with track segments made by Aster of Japan which are included with their live steam models.

The track rails are 5.5mm high with the clearance of 3.5mm for the rim of wheels beyond the wheel tire. This is sufficient for a wide-range of model cars including the battery operated locomotives made by Pico.

The R600 pieces are 30 degrees of radius 600mm in the track center, so 12 pieces for a 4 foot diameter circle. R1200 are 18 degrees of 1200mm radius, so 20 pieces for an 8 foot diameter track. R2320 are 7.5 degrees so 48 pieces for a 16 foot track circle. In projects to follow, there will be R600 and R1200 switches.

The snap-together track pieces are designed for PETG and would likely break if printed with PLA. They hold together with considerable force. It is easier to snap them together one rail at a time.

In the USA, ties are made from wood soaked with creosote so they are dark brown in color. Modern ties can be made from cement, so other color choices are appropriate. The rail hold downs are based on the Japanese style modeled by Aster track.

Most of the parts in this upload are printed without support. The LGB track adapter requires support for the rails at the LGB end. The LGB adapter joiner piece will be very tight to slide into place. Rest the piece vertically on the edge of a workbench so force is on the rail ends and not the snap joiners, and then tap the joiner into place with a hammer if needed.

I usually set the minimum vertical shell perimeters to 4 from the default of 2. If adhesion of the first layer is lacking, try upping the first layer nozzle temperature by 5 degrees. I use a textured plate for better adhesion.

Model files



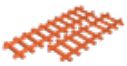
trackstraight150mm.3mf



trackstraight90mm.3mf



trackstraight300mm.3mf



trackstraightsproject.3mf

☐ printing orientation and color choices have been made



trackr1200x4pt5degforswitch.3mf



trackr1200x4pt5degforleftswitch.3mf

☐ Important! Mirror this part in the slicer before printing!



trackcurver1200assy.3mf



trackr1200x4pt5deg.3mf



trackcurver2320.3mf



trackcurver600.3mf



trackcurvesproject.3mf

☐ printing orientation and color choices have been made



tracklgbadapter.3mf

☐ print with supports for the LGB rails at the higher end



tracklgbadapterproject.3mf

☐ orientation corrected, support painted on, and color choices made

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tracklgbjoiner.3mf

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