

1:29 scale SP Configuration Motorized OpenRailway EMD SW 1500 G Scale Locomotive

R **Roger**

VIEW IN BROWSER

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Summary

Scaled to 1:29, added USA Trains motor blocks and SP features and modified design to make parts easier to print in ABS.

Hobby & Makers > RC & Robotics

I am preparing to design and build a Krauss-Maffei locomotive, so I wanted to practice 3-D printing an entire locomotive. I used Daniel Noree's base design for the OpenRailway EMD SW 1500 and printed a 1:32 version of it that incorporated USA Trains R22-12 motor blocks and designed a Southern Pacific light package for it. I added AirWire control and successfully ran the locomotive without problems. I then decided to scale the design up to 1:29. However, attempting to print the 1:29 parts in ABS became a problem, so I substantially modified the design and broke some of the larger pieces into smaller parts so that I could minimize the use of supports. I also vented the front air intake and front top fan cover, since there will be actual electronics inside. I tested the 1:29 version with USA Trains R22-115 motor blocks and it worked fine. You could use either the -12 or the -115 motor blocks with the 1:29 version.

For the 1:32 version (which I haven't posted here), you would need to use the -12 motor blocks only.

This remix is based on



OpenRailway EMD SW1500 1:32 Locomotive

by Daniel Norée (Barspin)

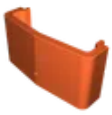
Model files



129-window-frame-with-sunshade-3.stl



129-chimney.stl



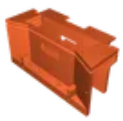
129-front-housing-top.stl



129-fuel-filler.stl



129-bell.stl



129-front-step-frame.stl



129-front-main-frame.stl



129-front-rear-railholder.stl



129-front-motor-housing-bottom.stl



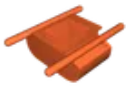
129-front-air-intake-base.stl



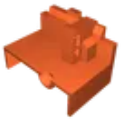
129-handbrake.stl



129-cab-body.stl



129-fuel-tank.stl



129-interior.stl



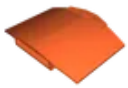
129-reartop-cover.stl



129-side-railholder.stl



129-horn-lower-half.stl



129-roof.stl



129-window-frame-2.stl



129-window-frame-1.stl



129-horn-upper-half.stl



129-window-frame-5.stl



129-rear-main-frame.stl



129-window-frame-7.stl



129-window-frame-6.stl



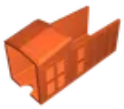
129-window-frame-4.stl



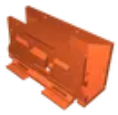
129-switch-panel-1.stl



129-sp-light-bar.stl



129-rear-motor-housing.stl



129-rear-step-frame.stl



129-front-top-fan-cover.stl

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