

## Prototype Info

Taffson Evans and Jenkins of the Rhonnda Valley supplied five saddle tanks to the Vowchurch Quarry company for use on their 15" tramway. The first, works number 20, was built in 1894, a pair followed in 1898 and finally another pair in 1901. The tramway was built to transport slate from the Churchwater quarries to the GWR interchange at Lower Vowchurch, on the Longtown branch of the Hay Valley Line.

After the tramway closed in 1958 number 23, Saffron, was stranded on the upper levels of the quarry. Rescued in 1977 she is now preserved by the Heywood Foundation.

All of the above is courtesy of Brian Clarke, and the book 'The Slate Railway to Churchwater', and entirely fictitious.



Thank you for purchasing this 6point5 kit, we hope you enjoy building and operating it. Please read through the instructions thoroughly before beginning assembly.

### Tools required:

Sharp craft knife or scalpel  
Tweezers

Wet and dry paper  
Superglue.

## About the kit

The kit is comprised of a 3D printed plastic body shell and a fret of etched nickel silver detail parts. Limited folding of these parts is required and they can all be glued in place. We recommend sparing use of liquid superglue for assembly, ideally using a bottle with a thin applicator nozzle. Due to the nature of the 3D printing process, some support material may still be present on the body. This wax residue has been cleaned during our checking process, but it can be a good idea to submerge the model in white spirit, agitated gently with an old tooth brush and leave to dry.

Please note this is a scale model for adult collectors and not intended for children under 14 years of age.

## About 6point5 Minimum Gauge

6point5 was founded in 2017 with support from Narrow Planet. This kit is part of a small range of minimum (sub 2ft) gauge prototypes and was designed by James Hilton. If you have any queries about the model or instructions please get in touch.

## Contact Details

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## Parts Placement

### 1 • Buffer beams •

Etched overlays to the front and rear, applied with superglue.

### 2 • Couplings •

Push magnet into coupling, and mount to suit other rolling stock.

**3 • Chimney and dome •** White metal parts, push fit into holes, secure with superglue.



### 4 • Connecting rods •

Carefully remove the Busch coupling rods, save all four pins. Re-fit replacement connecting rod and crosshead to rear axle.

**5 • Slide bar •** Gently fold the tab over, and then slide into cylinder. Push back to clear connecting rod, and a touch of superglue to secure the tab.

**6 • Firebox •** Add regulator from 0.4mm brass rod, superglue to the top of the Busch motor block, replacing the black cover.



### 7 • Cab rear and roof •

Fit the cab rear, and then roof, gently bent to shape and secured with superglue.

### 8 • Sliding doors •

Etched detail added over the cab rear, aligned to the bottom of the cab rear etch.

**9 • Plates •** Works plate and name plates can be fitted to the cab and tanks.

## Assembly Notes

**1 • Clean up the 3D printed body •** Use a fine wet and dry paper in water to achieve a smooth finish to the cab front, sides and saddle tank. Rinse the model in a white spirit to remove any traces of printing residue or grease from handling.

**2 • Check the donor chassis •** The kit is designed to fit a Busch H0f chassis used under the Deutz diesel. Check this is a smooth runner before removing the body.

**3 • Assembly •** Fix the 3D printed cab and smokebox to the 3D printed chassis, and then add the 3D printed saddle tank, ensuring this is level. Fit the whitmetal parts and then the etched parts.

**4 • Painting and finishing •** With the chassis removed, prime the body with a suitable primer, we recommend Halfords plastic primer, taking care not to obliterate the details. Apply your choice of final colour to the body. Fit the etched plates and seal with varnish, we recommend using Testors Dull-cote spray. Apply glazing to the cab before fitting the chassis. Fit the Busch chassis in the frames, slotting the ends of the connecting rods into the cylinders. If this is loose, it can be secured with a small spot of bluetak or glue.