



Autumn Weekend 8th-10th October 2021
IMPROVING READY-TO-RUN AND KIT-BUILT ROLLING STOCK
Course Tutor - Karl Crowther

Suggested tools and supplies etc. you may like to bring:

- Essential basic tools including a cutting mat, craft knife, steel rule, small files/sanding sticks, 5-sided cutting broaches, small engineer's square, a selection of small drills (e.g. 0.4 to 1.0mm), pin vices, digital Vernier calliper, small tweezers, pliers/side cutters, glass fibre brush etc.
- Soldering iron & stand, 188 and 145 degree solder and your preferred flux.
- Cordless mini-drill (plus safety goggles).
- Supply of nickel-silver/brass wire of various sizes (e.g. 0.3-1.0mm).
- Styrene sheet & strip of various sizes.
- Adhesives (e.g. MEK, Limonene, Cyano, 5-min Epoxy).
- Clamping tools (e.g. Hold n' Fold)
- Body filler such as Milliput or your preferred choice.
- A bench lamp to illuminate your work.
- Range of paints & transfers
- An apron to protect your clothing.

Suggested reading:

The list of what's available is extremely wide, so I can do no better than to recommend as a good overall introduction, the trio of books on the subject by Geoff Kent, all published by Wild Swan.....

- The 4mm Wagon Part One – Opens, Minerals and Hoppers. ISBN 1-874103-03-8
- The 4mm Wagon Part Two – General Merchandise Vans, Special Purpose Vans and Tank Wagons. ISBN 1-874103-24-0
- The 4mm Wagon Part Three – Conflats & Containers, Wagons for Long Loads & Steel, Brake Vans and Finishing Touches. ISBN 1-874103-97-6

Suggested suppliers:

This list is not exhaustive, so apologies to any that may have been overlooked.....

247 Developments: www.247developments.co.uk
Etched wagon plates (BR Grampus & 'Express Diary')

Ambis Engineering: www.ambisengineering.co.uk
Rolling stock components, etched brake gear and other items. Three link and Alex Jackson coupling components.

Brassmasters: www.brassmasters.co.uk
Complete wagon kits, Sprung wagon subframes, axle spacing jigs, 6-wheel underframe units, three link couplings, buffer height gauge.

Cambridge Custom Transfers: <https://www.cctrans.org.uk>
Wide range of wagon transfers, plus custom service.

Dart Castings/Monty's Models/MJT: <https://www.dartcastings.co.uk>
Includes the MJT range of etched and cast wagon and coach parts

Eileen's Emporium: <https://eileensemposium.com/>
Wide range of tools, components, materials, HMRS transfers, plus various kits and detailing parts (e.g. Parkside, Bill Bedford)

Fox Transfers: <https://www.foxtransfers.co.uk>
Extensive range of transfers in various scales

Hobby Holidays: <http://www.hobbyholidays.co.uk/>
Good range of tools and materials etc.

Lanarkshire Models & Supplies: www.lanarkshiremodels.com
Extensive range of whitmetal buffer castings, coupling hooks etc.

Mike Clark Masokits Masterbits: <https://traders.scalefour.org/masokits/>
Etched brass components in 4mm scale including a range of wagon detailing parts

Modelmaster: <https://www.modelmaster.uk>
Waterslide transfers, etched plates

Palatine Models: www.palatinemodels.co.uk
Etched wagon baseplates, Alex Jackson coupling components

Rumney Models: website.rumneymodels.co.uk
Etched wagon underframes, detailing parts, complete kits etc. Wide range of axlebox/spring and other castings.

Railtec Transfers: <https://railtec-models.com>
Extensive range of transfers in a range of scales.

Wizard Models: <https://www.wizardmodels.ltd>
Wide range of etched and cast components, complete kits, wheels, couplings etc. (includes 51L, Comet and Mainly Trains ranges).