

## PAYMENTS & DELIVERY

Production of the kit parts started with the tender followed by loco frames and progressing with body etchings, through wheels and suspension, motion, boiler and controls until the model is complete. It will be available in quarterly packs. We normally ask for you to set up standing orders through your bank (forms will be provided) to pay the instalments but other payment methods can be arranged. Please ask for more information.

**Ex- works.** No postage. Pay a deposit and 12 instalments, then collect the kit by arrangement or as one box at the end of the twelve months.

	Deposit	Instalments	Total	RTR
Static kit	£80	12 x £85	<b>£1,349</b>	£3,373
Spirit kit	£167	12 x £159	<b>£2,075</b>	£4,980

## **POST**

Add **£10** to each instalment to cover the cost of four postages. Total **£120**.

Posted to you using Royal Mails' 'Special Delivery' service for the UK. These are guaranteed delivery before 1pm the next day, must be signed for and have adequate loss or damage compensation.

For overseas customers, the total cost would include the price of the complete kit, minus the UK Vat, plus the cost of delivery to your country. You will then have to pay your local customs office the import tax.

We can now accept orders from North America and Canada having obtained suitable Product Liability cover by our insurers.

## R-T-R

On order pay a 10% deposit, a provisional completion date will be given with a payment schedule.



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# GAUGE 1 MODEL MAKERS KIT



## MIDLAND JOHNSON 2F

Johnson became Chief Engineer of the Midland Railway in 1873. The first of his 0-6-0s appeared in 1874. These were closely modelled on those he designed for his previous employer, the Great Eastern Railway. These locos are thought by many to be one of the most beautifully proportioned locos ever designed. There were many versions with wheel diameters varying from 4' 6" to 5' 3". Many were constructed by locomotive builders Neilsons and were supplied to many companies including the Midland and Great Northern as 'D' class (later LNER J40's), the Somerset and Dorset Joint railway as 'M' class (later LMS class 2F alongside those inherited from the Midland railway). Some even went to Belgium Railways.

Our model is based on the 5' 2" diameter wheel version. It is designed with two working inside cylinders with 'O' ring seals. The slide valves are driven by a simple, robust, and easy to set, slip eccentric gear. A hand pump is located in the tender which also feeds water to an axle driven pump.



## The MODEL MAKERS KITS

These are designed and produced for those whose machining facilities or skills are limited or whose modelling time is at a premium.

The boiler is built, tested and certified. The Steam Chest units come as a 'loose assembly' with valves in place ready for you carry out the final clean and assembly. Items such as hand and axlepump bodies are pre assembled. The kit includes laser cut steel items, etched brass components, Lost wax brass and whitemetal castings.

All machining is done. Pressure gauge, screws, nuts, rivets, 'O' ring seals, springs etc. are supplied to complete the assembly. The kit does not contain paint, transfers, solders, time or patience.

You will require a bench and vice, some hand tools, a drilling facility (which could be an electric drill on a stand) and a small gas torch for soldering. The work includes bending sheet metal, drilling piloted holes out to size, tapping threads in holes ( in many cases nuts could be used instead), soft and hard ( silver) soldering of small items.

### Support for the model maker.

The model making hobby is littered with part built projects which have been abandoned because the modeller has hit a problem. Included in the price are two hours of our time, a 'get out of trouble' service. It could be advice on the phone, a practical soldering training session in our works, correcting a mishap or setting valve timing. Apart from phone calls, a modest charge will be made for time spent over your two hours.

When we are halfway through the final cut of a cylinder bore or a long soldering job and someone phones with a question that could have been answered by reading the manual we do sometimes get a little annoyed. Having said that we also accept that sometimes a paragraph may not answer your question, in which case a phone call is quite acceptable as we can then edit the text for future editions.

We can also supply replacements for individual components providing they are returned for us to identify. For etched items there will be charge depending on the size. Whitemetal castings returned with stamped addressed packing are free. Laser cut steel may be a problem as there are minimum order quantities involved and we shall only order a limited number of spares.

The Construction Guide comprises over 30 pages of photographs, exploded diagrams produced on 3D CAD, photographs and text, together with identification diagrams and drawings. It takes you through each stage, including jigs and methods, settings and adjustments, finishing with operation and use.

## LOCO SPECIFICATION

Scale	:10mm : 1 ft
Length	:510 mm (20")
Radius	:2.3m (7' 0") minimum
Weight	:3.5- 4 Kg estimated.
Fuel	:Alcohol (Methylated spirit) supplied by constant level feed system. : to 'toast rack' style wick burner.
Boilers	:Internally fired, multi flue, superheated. with safety valve. :Built from copper and bronze, silver soldered throughout. :Tested to 200 psi (13 bar) :Max .allowable working pressure 100 psi (6.5 bar)
Controls	:Regulator, blower, water level test cock and pressure gauge. :Spirit valve in tender. :Bypass valve on tender.
Cylinders	:Two, 12.7 mm dia x 20 mm stroke (0.5" x 0.787")
Valve gear	:Slip eccentric, slide valve, between frames.
Lubrication	:Displacement (Rosco) type.
Water feeds	:Water carried in tender :Hand pump with bypass valve in tender. :Axle driven pump with its pipe work, clack valve and boiler feed.
General	:buffers and coupling hooks sprung. :Wheels and axles are to Gauge One 'Standard' dimensions.

