

## PAYMENTS & DELIVERY

Production of the kit parts starts 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	£130	12 x £130	£1,690	£4,056
Spirit kit	£200	12 x £200	£2,600	£6,110

### **Posted**

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

Posted 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.



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## **GAUGE 1 MODEL MAKERS KIT**



## **GW DEAN GOODS**

When William Dean became chief engineer of the Great Western Railway he inherited many engines amongst which were a series of 0-6-0 tender engines nicknamed 'Armstrong Goods' after his predecessor, Joseph Armstrong.

Dean modernised the design by moving to single inside mainframes, fitting a Belpair firebox but otherwise kept many of the original features. It was found to be a very useful engine and well liked with the enginmen so between 1883 and 1899, 260 were constructed. Many were 'borrowed' by the military and saw war service under the Railway operating Division. Most survived on branch lines well into British Railways but only one survivor of the class remains, preserved in the Swindon Steam Museum.

Our model 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. Reliable 'O' rings are used on all water clacks which have proved extremely reliable on other models for the last 16 years.



## 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 40 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.

