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Catalogue: June 2026

Category: Clearance

Model: CL-LNW706

LNWR Covered Carriage Truck

clearance

QRcode: CL-LNW706



***** Clearance item superseded by current LNW706 *****

This is a **laser cut** kit of a historical railway vehicle of the 19th Century, designed and produced in-house by Design3D. It represents a LNWR Covered Carriage truck (CCT), a type of vehicle that was commonly found in passenger trains during the pre-grouping period. The kit is designed for 7mm scale, "O" gauge.

The LNWR had several versions of Covered Carriage Trucks (CCT). This model was created using information from diagram books, works drawings and photographs of similar vehicles. According to an early LNWR diagram book there were about 140 CCT's, of various lengths, in service around the end of the 19th century. These vehicles had many modifications over their lifetime.

This particular type of CCT had a wheelbase of ten feet and was 19 feet in length. The livery illustrated is an approximation of LNWR maroon which was used for non-passenger coaching stock. The LNWR Historical Society (<http://www.lnwrs.org.uk/>) is a good source for further study of liveries which changed considerably over time.

Some applicable vehicle numbers from the 1890's diagram book were: 610 – 621 inclusive. (No. 609 was altered to incorporate perforated zinc sides and ends). These vehicles do not appear in later diagram books.

This kit is manufactured in MDF, card and plastic. The instructions can be downloaded from this page.

Adhesive, paint, wheels, couplings, buffers etc. are not included.

To complete this kit the purchaser has to supply suitable wheels, couplings and other fittings.

Note quantities can be changed at checkout

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Category: Parts & Accessories

Model: D3D-00

OO Wheels (2 axles) and Mansell

Inserts

QRcode: D3D-00



These "OO" disc wheels are approximately a scale 3ft 5in in diameter, excluding the flanges.

The wheels are metal (with an insulated axle).

The wheels are suitable for use with our coach kits.

The 3D printed inserts give an effective representation of a Mansell pattern wooden centred wheel.

Two axles and four 3D printed Mansell pattern inserts are included.

This is sufficient for one four wheeled vehicle.

Catalogue: June 2026

Category: Parts & Accessories

Model: D3D-01

OO Wheels (3 axles) and Mansell

Inserts

QRcode: D3D-01



These "OO" disc wheels are approximately a scale 3ft 5in in diameter, excluding the flanges.

The wheels are metal (with an insulated axle).

The wheels are suitable for use with our coach kits.

The 3D printed inserts give an effective representation of a Mansell pattern wooden centred wheel.

Three axles and six 3D printed Mansell pattern inserts are included.

This is sufficient for one six wheeled vehicle.

Catalogue: June 2026

Category: Parts & Accessories

Model: D3D-02

OO Wheels (4 axles) and Mansell

Inserts

QRcode: D3D-02



These "OO" disc wheels are approximately a scale 3ft 5in in diameter, excluding the flanges.

The wheels are metal (with an insulated axle).

The wheels are suitable for use with our coach kits.

The 3D printed inserts give an effective representation of a Mansell pattern wooden centred wheel.

Four axles and eight 3D printed Mansell pattern inserts are included.

This is sufficient for one bogie vehicle or two four wheeled vehicles,

Catalogue: June 2026

Category: Parts & Accessories

Model: D3D-04



Mini Stepper Motor 66mm

QRcode: D3D-04



These miniature stepper motors can be used to switch point motors or other accessories on model railways.

There are a number of advantages when using stepper motors:

Unlike servo motors, the points will not lose position if the power is lost. Once the point has changed the power can be switched off, unlike a servo which needs a continual power supply in order to maintain its position. These stepper motors are robust.

Finally, these mini stepper motors are easily linked to low cost microprocessors such as Arduino UNO or ESP8266.

There are several projects on the web using similar motors in their projects. A couple below are listed below.

CNC mini laser engraver click on this link: [Instructables: Mini CNC](https://www.instructables.com/id/DIY-Mini-CNC-Laser-Engraver/) (https://www.instructables.com/id/DIY-Mini-CNC-Laser-Engraver/)

Mini pen plotter click on this link: [Thingiverse mini pen plotter](https://www.thingiverse.com/thing:2538449) (https://www.thingiverse.com/thing:2538449).

Believed to be originally made for Playstation dvd drives.

Catalogue: June 2026

Category: Parts & Accessories

Model: D3D-05-CF

Six wheeled coach axleguards

4mm scale Carbon Fibre

QRcode: D3D-05-CF



This kit makes a set of axleguards which suit all our six wheeled 4mm coach products. The axleguards permit our models to negotiate sharp curves without extensive modifications to the kits. Although the images show a vehicle negotiating a Hornby type 2 radius curve (approximatley 1.5 feet or approximatley 438 mm), it is recommended that the minimum radius curve is around 2 feet (600 mm approximately)

The kit consists of 3d printed parts (random colour). The parts are made from PLA-CF which is strong and environmentally friendly. The kit is readily assembled. The images show our wheel set (D3D-01) which is not included.

This kit can also be used for other projects as it can be fitted to a variety of models.

Catalogue: June 2026

Category: Parts & Accessories

Model: D3D-06-CF

Coach Bogies 4mm Carbon Fibre

QRcode: D3D-06-CF



This kit makes one carriage bogie. The bogie matches our products and methods of construction. it is recommended that the minimum radius curve is around 2 feet (600 mm approximately). The models are based on a style of construction that was used on many railways.

The kit consists of 3d printed parts (random colour). The 3D printed parts are made from PLA (Carbon Fibre) which is resilient.

The bogie is readily assembled.

The wheelbase of the bogie is a scale eight feet.

This kit can also be used for other projects as it can be fitted to a variety of model vehicles.

Catalogue: June 2026

Category: Parts & Accessories

Model: D3D-15

7mm Mansell Wheels 3ft 6in.

QRcode: D3D-15



These are "display wheels" as supplied with some of our 7mm kits. The wheels are a press fit on a steel axle.

The wheels are intended for use with a static model.

There are four wheels and two axles in a packet. The wheels are based on Mansell pattern wheels which can be difficult to source.

This pattern wheel was commonly used on passenger stock.

Catalogue: June 2026

Category: Parts & Accessories

Model: D3D-16

7mm Spoked Wheels 3ft.

QRcode: D3D-16



These are "display wheels" as supplied with some of our 7mm kits. The wheels are a press fit on a steel axle.

The wheels are intended for use with a static model.

There are four wheels and two axles in a packet. The wheels are based on 8 spoked wheels which were often used on goods vehicles and early coaches.

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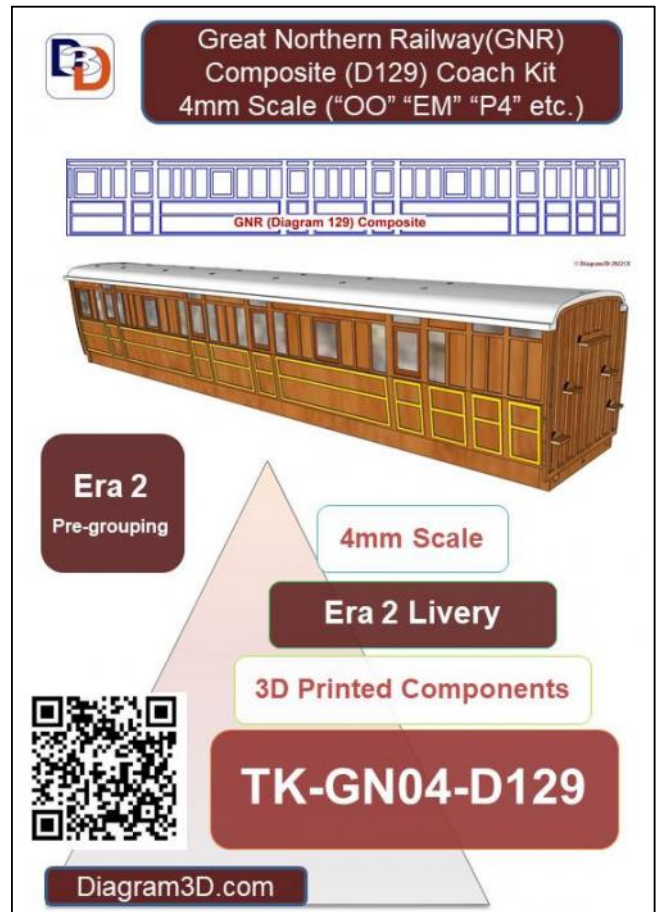
**Category: 4mm Great Northern
Railway Coaches**

Model: TK-GN04-D129

GNR 45 ft bogie composite coach

kit (D129)

QRcode: TK-GN04-D129



About this Vehicle:

This kit represents a 45 foot composite coach built to diagram 129 (D129). This vehicle combined an open third class area and separate first class accommodation.

This 45 foot coach built to diagram 129 (D129) was one of several similar vehicles which were designed for the GNR in the 1890's. This vehicle is described in "Historic Carriage Drawings" Volume 1 by N. Campling. ISBN 1 899816 04 6 page 94.

This Kit features:

- **Laser cut MDF carcass**
- **Overlaid card Panels**
- **Printed in pre-grouping livery**
- **3D printed roof** (and Guards Lookouts if appropriate)
-
- **Our bogie kit [D3D-06-CF](#) is compatible with this kit**
- **Our wheels [D3D-02 \(4 axles wheels + mansell inserts\)](#) are compatible with this kit**

A difficult and tedious task encountered when modelling rolling stock is the preparation, cutting out and alignment of the windows, droplights and panels.

This kit reduces the tedium, complication and labour associated with the construction of a detailed model of a coach body using accurate laser cut layers conveniently assembled in our SmartFrame without specialist knowledge to give the same quality, or better, as traditional methods using plastic or etched components.

There are four precisely aligned layers for the coach sides which reproduce window apertures, droplights, window frames, panelling, and beading. Floor, partitions, roof members, ends complete with steps and panelling are included together with pre-cut glazing. In summary, all that is required to make a convincing representation of this early panelled coach body.

Build impressive rolling stock using this kit as the basis of your next project.

Catalogue: June 2026

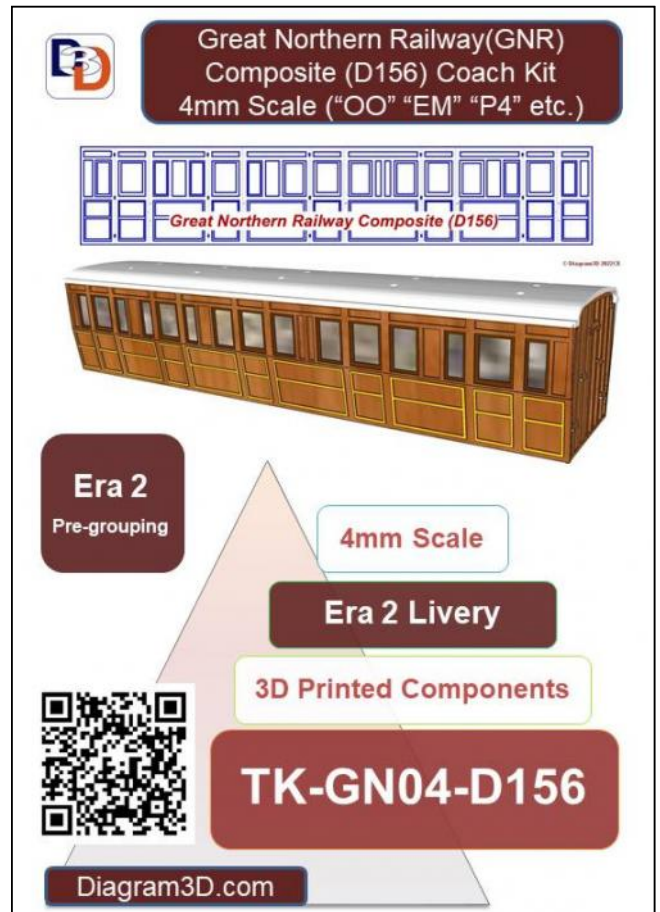
**Category: 4mm Great Northern
Railway Coaches**

Model: TK-GN04-D156

GNR 5 compartment composite

body kit (D156)

QRcode: TK-GN04-D156



About this Vehicle:

This kit represents a Great Northern Railway (GNR) Diagram 156 (D156) composite.

This vehicle is a good example of a six wheeled composite produced in quantity by the GNR. Approximately 120 of this type were included in the stock inventories at the beginning of the 20th century.

This Kit features:

- **Laser cut MDF carcass**
- **Overlaid card Panels**
- **Printed in pre-grouping livery**
- **3D printed roof** (and Guards Lookouts if appropriate)
-
- **Our underframe kit [D3D-05-CF](#) is compatible with this kit**
- **Our wheels [D3D-01 \(3 axles wheels + mansell inserts\)](#) are compatible with this kit**

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Catalogue: June 2026

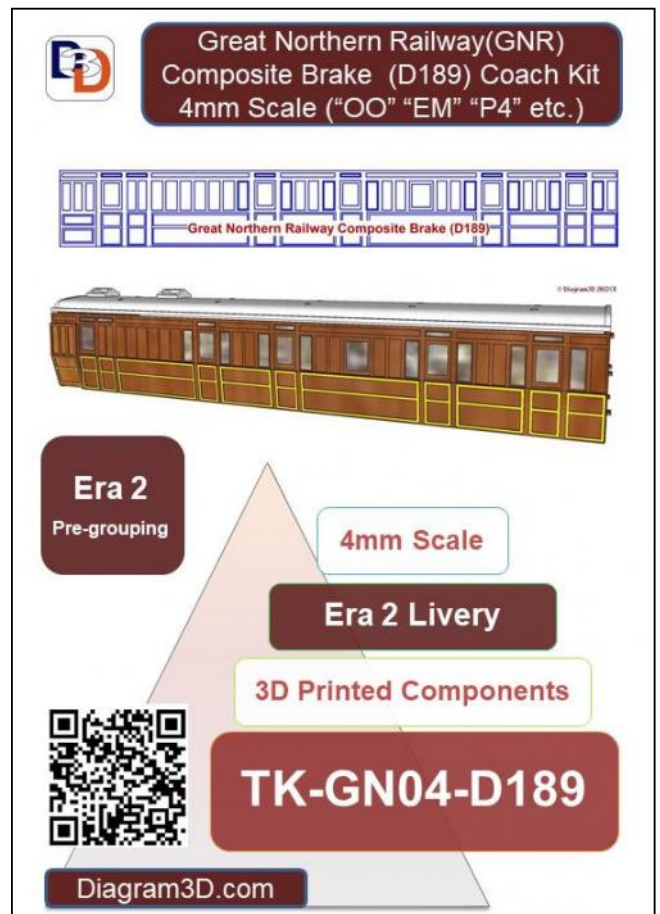
**Category: 4mm Great Northern
Railway Coaches**

Model: TK-GN04-D189

GNR 45 ft bogie composite brake

kit (D189)

QRcode: TK-GN04-D189



About this Vehicle:

This kit represents a **Great Northern Railway Composite Coach (Diagram 189, D189)**.

This 45 foot coach built to diagram 189 (D189) was one of several similar vehicles which were designed for the GNR in the 1890's. This vehicle combined third class, first class and a guard's compartment. This vehicle is described in "Historic Carriage Drawings" Volume 1 by N. Campling. ISBN 1 899816 04 6 page 94.

This Kit features:

- **Laser cut MDF carcass**
- **Overlaid card Panels**
- **Printed in pre-grouping livery**
- **3D printed roof** (and Guards Lookouts if appropriate)
- **Our bogie kit [D3D-06-CF](#) is compatible with this kit**
- **Our wheels [D3D-02 \(4 axles wheels + mansell inserts\)](#) are compatible with this kit**

A difficult and tedious task encountered when modelling rolling stock is the preparation, cutting out and alignment of the windows, droplights and panels.

This kit reduces the tedium, complication and labour associated with the construction of a detailed model of a coach body using accurate laser cut layers conveniently assembled in our SmartFrame without specialist knowledge to give the same quality, or better, as traditional methods using plastic or etched components.

There are four precisely aligned layers for the coach sides which reproduce window apertures, droplights, window frames, panelling, and beading. Floor, partitions, roof members, ends complete with steps and panelling are included together with pre-cut glazing. In summary, all that is required to make a convincing representation of this early panelled coach body.

Build impressive rolling stock using this kit as the basis of your next project.

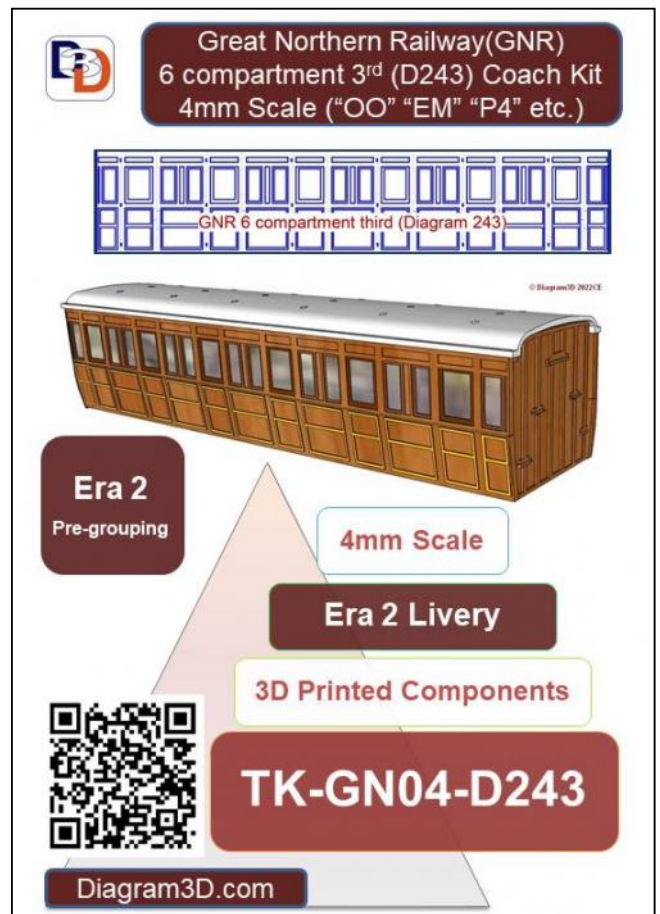
Catalogue: June 2026

**Category: 4mm Great Northern
Railway Coaches**

Model: TK-GN04-D243

**GNR 6 compartment third class
coach (D243)**

QRcode: TK-GN04-D243



About this Vehicle:

This model represents a Great Northern Railway (GNR) Diagram 243(D243) Six compartment Third Class coach (Also known as an excursion third).

This vehicle was produced by the GNR in 1901. Approximately 34 of this type of vehicle were included in the stock inventories at the beginning of the 20th century. One of these coaches has been preserved.

This Kit features:

- **Laser cut MDF carcass**
- **Overlaid card Panels**
- **Printed in pre-grouping livery**
- **3D printed roof** (and Guards Lookouts if appropriate)
- **Our underframe kit [D3D-05-CF](#) is compatible with this kit**
- **Our wheels [D3D-01 \(3 axles wheels + mansell inserts\)](#) are compatible with this kit**

A difficult and tedious task encountered when modelling rolling stock is the preparation, cutting out and alignment of the windows, droplights and panels.

This kit reduces the tedium, complication and labour associated with the construction of a detailed model of a coach body using accurate laser cut layers conveniently assembled in our SmartFrame without specialist knowledge to give the same quality, or better, as traditional methods using plastic or etched components.

There are four precisely aligned layers for the coach sides which reproduce window apertures, droplights, window frames, panelling, and beading. Floor, partitions, roof members, ends complete with steps and panelling are included together with pre-cut glazing. In summary, all that is required to make a convincing representation of this early panelled coach body.

Build impressive rolling stock using this kit as the basis of your next project.

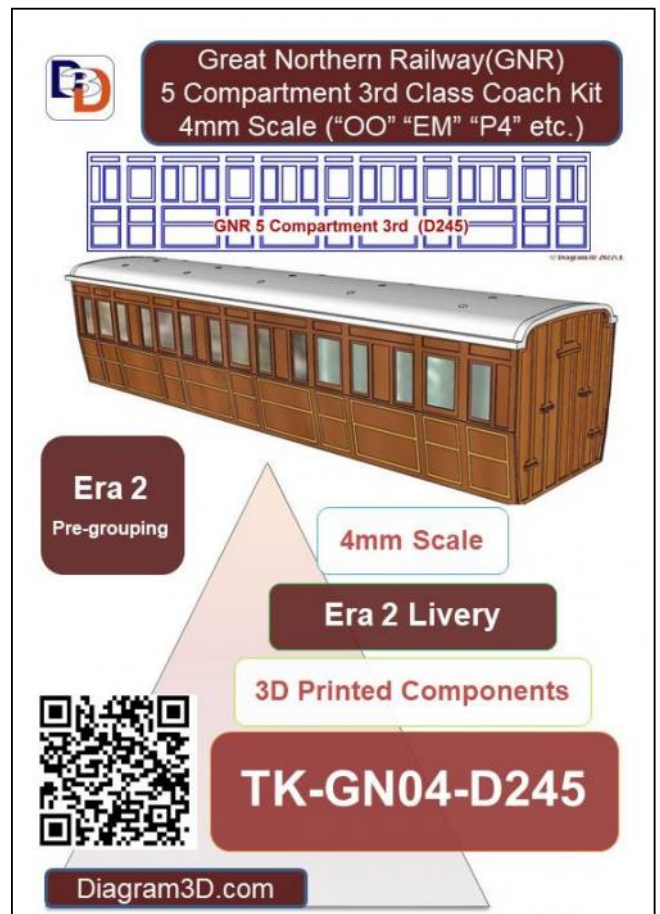
Catalogue: June 2026

**Category: 4mm Great Northern
Railway Coaches**

Model: TK-GN04-D245

**GNR 5 compartment third class
coach body kit (D245)**

QRcode: TK-GN04-D245



About this Vehicle:

This kit represents a **Great Northern Railway 5 compartment Third Class Coach (Diagram 245, D245)**.

This type of coach was the most common vehicle produced by the GNR. Approximately 400 of this type of vehicle were in the GNR inventory at the beginning of the 20th Century.

This Kit features:

- **Laser cut MDF carcass**
- **Overlaid card Panels**
- **Printed in pre-grouping livery**
- **3D printed roof** (and Guards Lookouts if appropriate)
-
- **Our underframe kit [D3D-05-CF](#) is compatible with this kit**
- **Our wheels [D3D-01 \(3 axles wheels + mansell inserts\)](#) are compatible with this kit**

A difficult and tedious task encountered when modelling rolling stock is the preparation, cutting out and alignment of the windows, droplights and panels.

This kit reduces the tedium, complication and labour associated with the construction of a detailed model of a coach body using accurate laser cut layers conveniently assembled in our SmartFrame without specialist knowledge to give the same quality, or better, as traditional methods using plastic or etched components.

There are four precisely aligned layers for the coach sides which reproduce window apertures, droplights, window frames, panelling, and beading. Floor, partitions, roof members, ends complete with steps and panelling are included together with pre-cut glazing. In summary, all that is required to make a convincing representation of this early panelled coach body.

Build impressive rolling stock using this kit as the basis of your next project.

Catalogue: June 2026

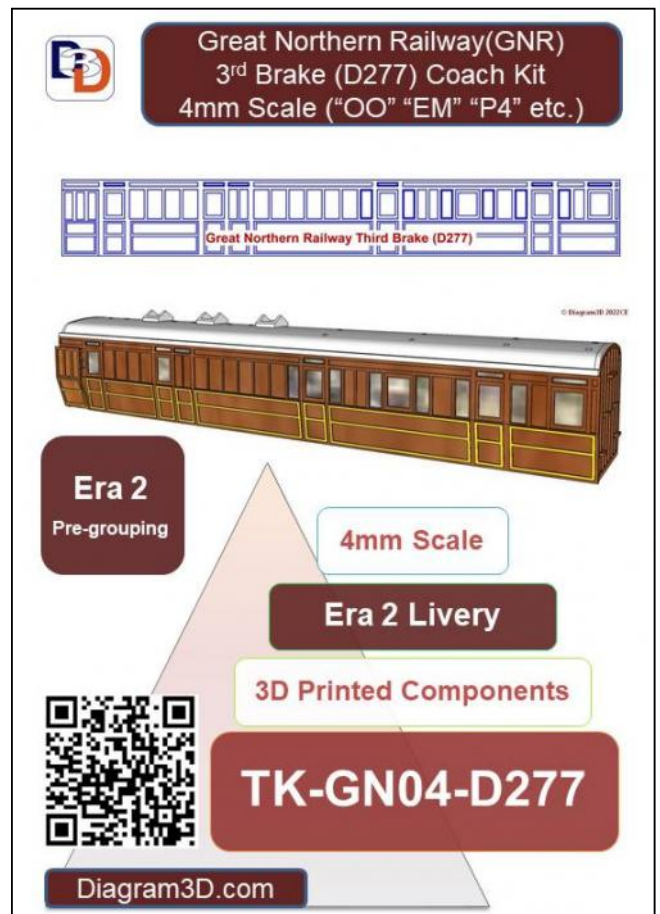
**Category: 4mm Great Northern
Railway Coaches**

Model: TK-GN04-D277

GNR 45 ft bogie Third brake kit

(D277)

QRcode: TK-GN04-D277



About this Vehicle:

This kit represents a **Great Northern third class brake built to diagram 277 (D277)**.

This was one of several similar short bogie vehicles which were designed in the 1890's. It combined a toilet, smoking compartment, open third area and a guard's compartment and It is described in "Historic Carriage Drawings" Volume 1 by N. Campling. ISBN 1 899816 04 6 page 94. Twelve of these vehicles were constructed. Many of these vehicles survived through grouping and nationalisation.

This Kit features:

- **Laser cut MDF carcass**
- **Overlaid card Panels**
- **Printed in pre-grouping livery**
- **3D printed roof** (and Guards Lookouts if appropriate)
-
- **Our bogie kit [D3D-06-CF](#) is compatible with this kit**
- **Our wheels [D3D-02 \(4 axles wheels + mansell inserts\)](#) are compatible with this kit**

A difficult and tedious task encountered when modelling rolling stock is the preparation, cutting out and alignment of the windows, droplights and panels.

This kit reduces the tedium, complication and labour associated with the construction of a detailed model of a coach body using accurate laser cut layers conveniently assembled in our SmartFrame without specialist knowledge to give the same quality, or better, as traditional methods using plastic or etched components.

There are four precisely aligned layers for the coach sides which reproduce window apertures, droplights, window frames, panelling, and beading. Floor, partitions, roof members, ends complete with steps and panelling are included together with pre-cut glazing. In summary, all that is required to make a convincing representation of this early panelled coach body.

Build impressive rolling stock using this kit as the basis of your next project.

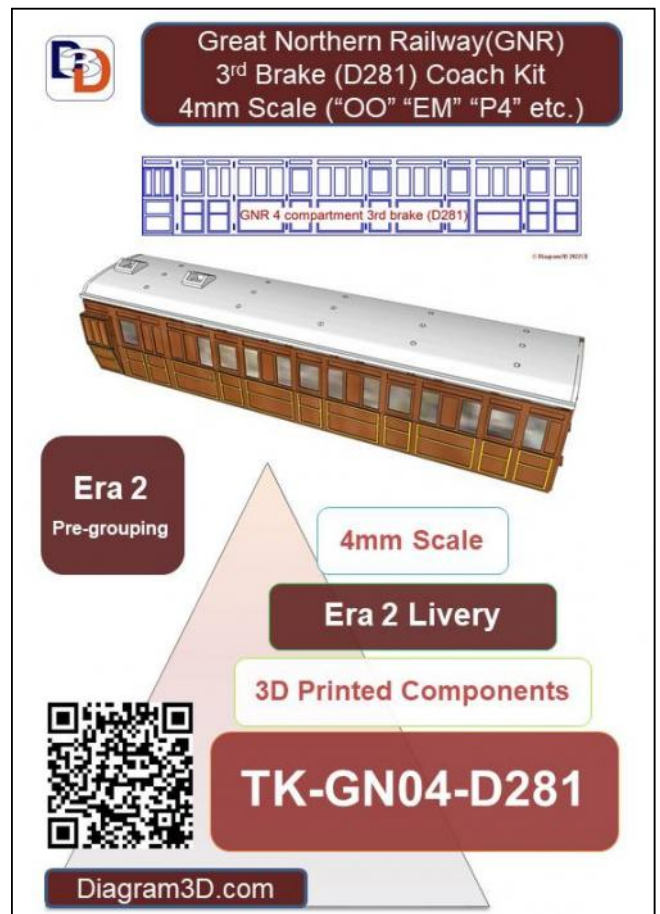
Catalogue: June 2026

**Category: 4mm Great Northern
Railway Coaches**

Model: TK-GN04-D281

**GNR 4 compartment third class
brake body kit (D281).**

QRcode: TK-GN04-D281



About this Vehicle:

This kit represents a Great Northern Railway (GNR) Diagram 281 (D281) Third Class Brake.

This Great Northern Railway (GNR) Diagram 281 (D281) Third Class Brake was a ubiquitous vehicle produced by the GNR. Approximately 370 examples of this type were included in the stock inventories at the beginning of the 20th century. Similar vehicles were used by the East Coast Joint Stock (ECJS) and joint lines. One of these coaches has been preserved.

This Kit features:

- **Laser cut MDF carcass**
- **Overlaid card Panels**
- **Printed in pre-grouping livery**
- **3D printed roof** (and Guards Lookouts if appropriate)
-
- **Our underframe kit [D3D-05-CF](#) is compatible with this kit**
- **Our wheels [D3D-01 \(3 axles wheels + mansell inserts\)](#) are compatible with this kit**

A difficult and tedious task encountered when modelling rolling stock is the preparation, cutting out and alignment of the windows, droplights and panels.

This kit reduces the tedium, complication and labour associated with the construction of a detailed model of a coach body using accurate laser cut layers conveniently assembled in our SmartFrame without specialist knowledge to give the same quality, or better, as traditional methods using plastic or etched components.

There are four precisely aligned layers for the coach sides which reproduce window apertures, droplights, window frames, panelling, and beading. Floor, partitions, roof members, ends complete with steps and panelling are included together with pre-cut glazing. In summary, all that is required to make a convincing representation of this early panelled coach body.

Build impressive rolling stock using this kit as the basis of your next project.

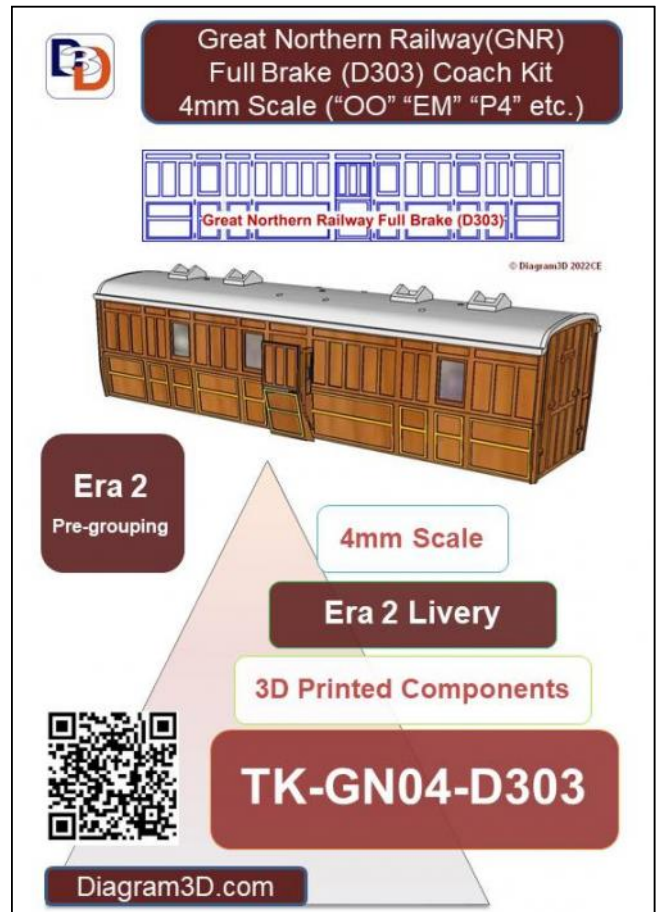
Catalogue: June 2026

**Category: 4mm Great Northern
Railway Coaches**

Model: TK-GN04-D303

GNR Full brake body kit (D303)

QRcode: TK-GN04-D303



About this Vehicle:

This kit represents a Great Northern Railway (GNR) Diagram 303 (D303) Full Brake van.

This brake van and its variants was a common sight on the Great Northern Railway and later on the L&NER for many years. Approximately 80 vehicles of this type were owned by the GNR at the beginning of the 20th Century.

This Kit features:

- **Laser cut MDF carcass**
- **Overlaid card Panels**
- **Printed in pre-grouping livery**
- **3D printed roof** (and Guards Lookouts if appropriate)
-
- **Our underframe kit [D3D-05-CF](#) is compatible with this kit**
- **Our wheels [D3D-01 \(3 axles wheels + mansell inserts\)](#) are compatible with this kit**

A difficult and tedious task encountered when modelling rolling stock is the preparation, cutting out and alignment of the windows, droplights and panels.

This kit reduces the tedium, complication and labour associated with the construction of a detailed model of a coach body using accurate laser cut layers conveniently assembled in our SmartFrame without specialist knowledge to give the same quality, or better, as traditional methods using plastic or etched components.

There are four precisely aligned layers for the coach sides which reproduce window apertures, droplights, window frames, panelling, and beading. Floor, partitions, roof members, ends complete with steps and panelling are included together with pre-cut glazing. In summary, all that is required to make a convincing representation of this early panelled coach body.

Build impressive rolling stock using this kit as the basis of your next project

Catalogue: June 2026

Category: 4mm Great Northern


Railway Coaches

Model: TK-GN04-D331

GNR parcels fruit & milk

van body kit (D331)

QRcode: TK-GN04-D331

Great Northern Railway(GNR)
Parcels Fruit & Milk Van Kit (D331)
4mm Scale ("OO" "EM" "P4" etc.)

GN04-D331 GNR Fruit and Milk Van

Era 2
Pre-grouping

4mm Scale

Era 2 Livery

3D Printed Components

TK-GN04-D331

Diagram3D.com

About this Vehicle:

This model represents a Great Northern Railway (GNR) six wheeled parcels fruit and milk van (Diagram 331 D331)

This is an attractive and unusual vehicle. There were not many of these vehicles constructed. They were long lived and some survived after the grouping when the GNR became part of the LNER.

This Kit features:

- **Laser cut MDF carcass**
- **Overlaid card Panels**
- **Printed in pre-grouping livery**
- **3D printed roof** (and Guards Lookouts if appropriate)
-
- **Our underframe kit [D3D-05-CF](#) is compatible with this kit**
- **Our wheels [D3D-01 \(3 axles wheels + mansell inserts\)](#) are compatible with this kit**

A difficult and tedious task encountered when modelling rolling stock is the preparation, cutting out and alignment of the windows, droplights and panels.

This kit reduces the tedium, complication and labour associated with the construction of a detailed model of a coach body using accurate laser cut layers conveniently assembled in our SmartFrame without specialist knowledge to give the same quality, or better, as traditional methods using plastic or etched components.

There are four precisely aligned layers for the coach sides which reproduce window apertures, droplights, window frames, panelling, and beading. Floor, partitions, roof members, ends complete with steps and panelling are included together with pre-cut glazing. In summary, all that is required to make a convincing representation of this early panelled coach body.

Build impressive rolling stock using this kit as the basis of your next project.

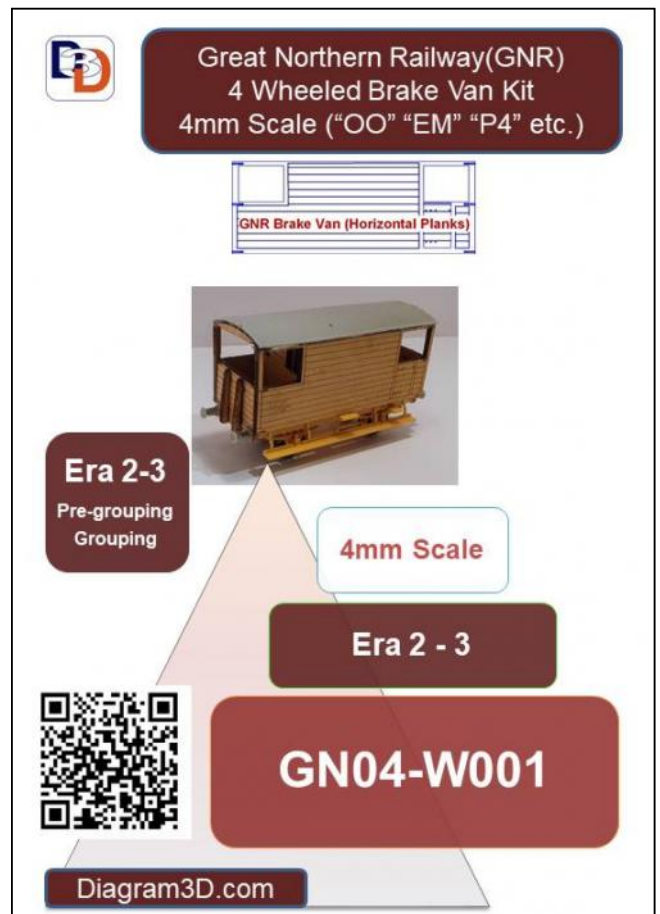
Catalogue: June 2026

**Category: 4mm Great Northern
Railway Wagons**

Model: GN04-W001

**GNR Goods Brake Van (horizontal
planks)**

QRcode: GN04-W001



About this Vehicle:

The brake van type that this model is based on, with horizontal planking, a light 10 ton Van.. This was the most numerous type of brake van. It had brakes on one side only, actuated within the cabin. Over 200 examples survived into the LNER and beyond.

These brake vans have been described in books (e.g. 19th Century Railway Drawings by A. Prior, and LNER Wagons by P. Tatlow) and the Model Railway press (Especially an article in "Model Railway News" December 1967). A representative model will enhance any model railway based on the GNR or its former geographical area.

This Kit features:

- **Pre-cut wood sides and ends.**
- **Sturdy construction**
- **3D printed axleguards and brake components**
- **3D printed roof and buffers**

Build impressive rolling stock using this kit as the basis of your next project.

Catalogue: June 2026

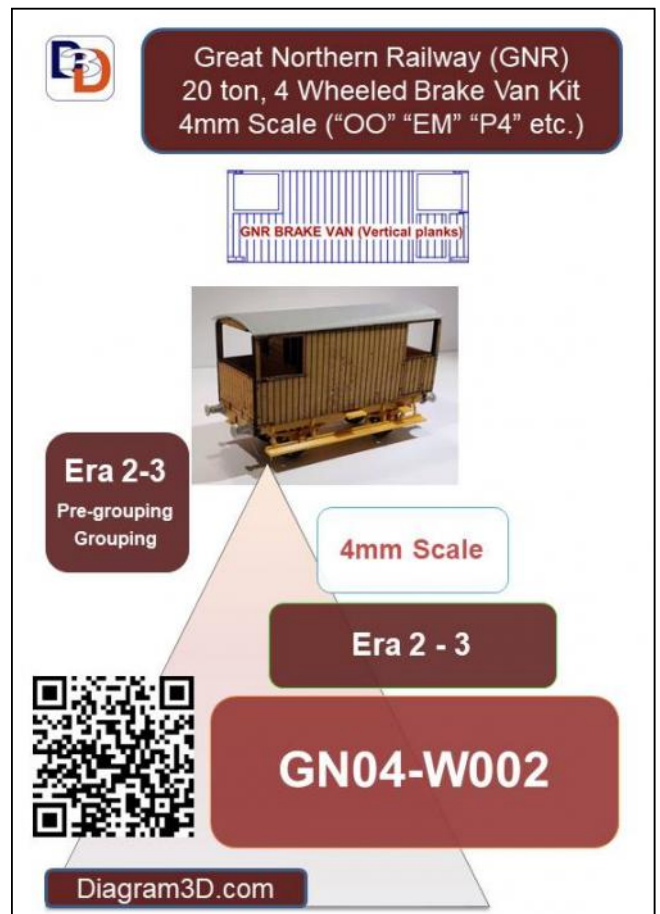
Category: 4mm Great Northern

Railway Wagons

Model: GN04-W002

**GNR Goods Brake Van (vertical
planks)**

QRcode: GN04-W002



About this Vehicle:

The GNR had several types of brake van. The brake van type that this model is based on, with vertical planking, was a 20 ton version that replaced earlier vans from the early 1900's onwards. It was given diagram 1602/N. The physical dimensions overall were the same as the earlier vans. A few vans were vacuum fitted in later years. There were two significant variations of this van. Initially, the van was constructed with stanchions at each end, similar to existing vans constructed to diagram 4470/N. Later vans did not have stanchions. This van would always have had the large "G N" identification up to grouping.

These brake vans have been described in books (e.g. 19th Century Railway Drawings by A. Prior, and LNER Wagons by P. Tatlow) and the Model Railway press (Especially an article in "Model Railway News" December 1967). A representative model will enhance any model railway based on the GNR or its former geographical area.

This Kit features:

- **Pre-cut wood sides and ends.**
- **Sturdy construction**
- **3D printed axleguards and brake components**
- **3D printed roof and buffers**

Build impressive rolling stock using this kit as the basis of your next project.

Catalogue: June 2026


Category: 4mm Great Northern

Railway Wagons

Model: GN04-W004

GNR Outside Framed Van

QRcode: GN04-W004



Great Northern Railway(GNR)
Covered Goods Van Kit
4mm Scale ("OO" "EM" "P4" etc.)

GNR Covered Van
(Outside Framed)

Era 2
Pre-grouping
onwards

4mm Scale

Era 2 +

GN04-W004

Diagram3D.com

The advertisement features a central image of a 3D printed model of a GNR Covered Goods Van. Above it is a technical drawing of the van's side view. To the left, a dark red box contains the text 'Era 2 Pre-grouping onwards'. To the right, a white box with a red border says '4mm Scale'. Below that, a dark red box says 'Era 2 +'. At the bottom right, a large dark red box with white text says 'GN04-W004'. At the bottom left, there is a QR code. At the bottom center, a dark red box with white text says 'Diagram3D.com'. The top of the advertisement has a dark red banner with white text: 'Great Northern Railway(GNR) Covered Goods Van Kit 4mm Scale ("OO" "EM" "P4" etc.)'. The Diagram3D logo is in the top left corner.

About this Vehicle:

This model represents the standard, outside framed, covered van used by the GNR. In 1906, the GNR recorded 1563 covered vans. At grouping, 669 covered vans are recorded as surviving into LNER stock. These covered vans were actively constructed from about 1867 (Stirling) until about 1905 (Gresley) when outside framed vehicles were gradually replaced by inside framed stock. Photographic records of wagon stock (RAIL 326/682 and RAIL 326/1072 at the National Archives, UK) depict a number of variations. The earliest version appears to have a missing section of roof centrally placed which was used for loading and covered with a tarpaulin. A few vehicles (69 in 1911) were fitted for use in passenger trains.

Vans of a similar design were used on the Cheshire Lines Committee (CLC) and Midland & Great Northern (M&GN).

Any representation of GNR or LNER practice should include some of these vans. They travelled all over the country.

This Kit features:

- **Pre-cut wood sides and ends.**
- **Sturdy construction**
- **3D printed axleguards and brake components**
- **3D printed roof and buffers**

Build impressive rolling stock using this kit as the basis of your next project.


Catalogue: June 2026

**Category: 4mm Great Northern
Railway Wagons**

Model: GN04-W005

GNR Express Goods Van

QRcode: GN04-W005



Great Northern Railway(GNR)
Express Goods Van Kit
4mm Scale ("OO" "EM" "P4" etc.)

GNR EXPRESS GOODS VAN

Era 2
Pre-grouping

4mm Scale

Era 2

GN04-W005

Diagram3D.com

There were over 280 vans of this type in service with the GNR until grouping in 1922. These vans were fully fitted with vacuum brakes. They were used for express goods traffic. This model construction is similar to GN04-W004 GNR covered Van.

This Kit features:

- **Pre-cut wood sides and ends.**
- **Sturdy construction**
- **3D printed axleguards and brake components**
- **3D printed roof and buffers**
- **Our wheels [D3D-00 \(2 axles wheels + mansell inserts\)](#) are compatible with this kit**

Build impressive rolling stock using this kit as the basis of your next project.

Catalogue: June 2026

Category: 4mm Great Northern

Railway Wagons

Model: GN04-W006

GNR Perishable Goods Van

QRcode: GN04-W006



Great Northern Railway(GNR)
Perishable Goods Van Kit
4mm Scale ("OO" "EM" "P4" etc.)

GNR Perishable Goods
(Butter/Lard and Fruit) Van

Era 2-3
Pre-grouping
Grouping

4mm Scale

Era 2 -3
3D printed parts

GN04-W006

Diagram3D.com

The Great Northern Railway (GNR) built a small number of butter lard and milk vans. Similar vehicles were used for the conveyance of Fruit, meat and fish products. There were detail differences between the vehicles however they were all based on the standard 16ft body and incorporated a clerestory roof which makes them attractive and unusual vehicles.

A few vehicles survived into LNER ownership in 1922.

This Kit features:

- **Pre-cut wood sides and ends.**
- **Sturdy construction**
- **3D printed axleguards and brake components**
- **3D printed roof and buffers**
- **Our wheels [D3D-00 \(2 axles wheels + mansell inserts\)](#) are compatible with this kit**

Build impressive rolling stock using this kit as the basis of your next project.

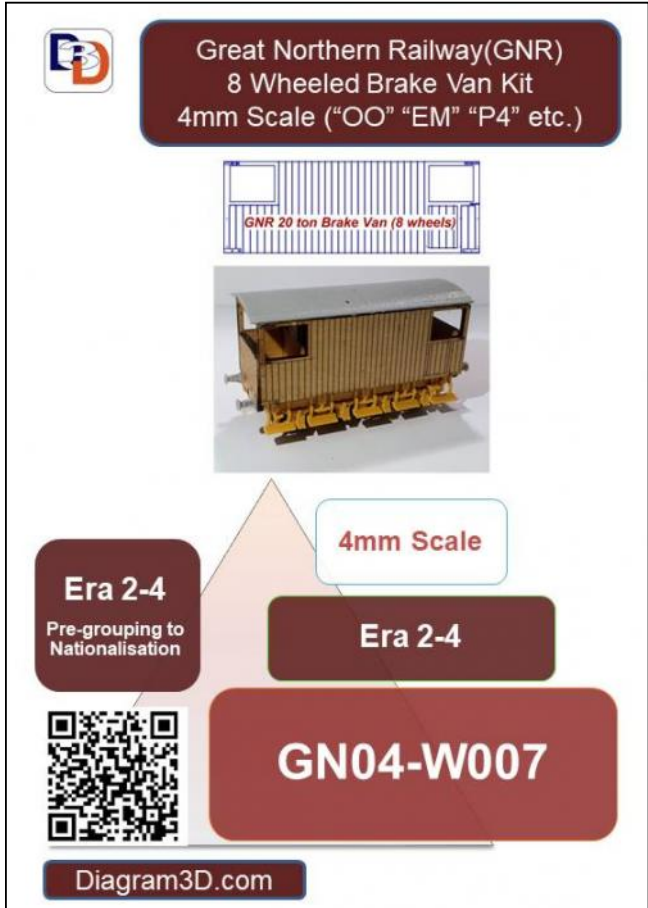
Catalogue: June 2026

**Category: 4mm Great Northern
Railway Wagons**

Model: GN04-W007

GNR 20 ton brake van (8 Wheels)

QRcode: GN04-W007



Great Northern Railway(GNR)
8 Wheeled Brake Van Kit
4mm Scale ("OO" "EM" "P4" etc.)

GNR 20 ton Brake Van (8 wheels)

4mm Scale

Era 2-4
Pre-grouping to
Nationalisation

Era 2-4

GN04-W007

Diagram3D.com

About this Vehicle:

The GNR had several types of brake van. The brake van type that this model is the 8 wheeled version with vertical planking. This vehicle was initially used for mineral traffic. Sixty vehicles were introduced in 1913-1914.

These vehicles were long lived there were still 46 in service in 1948 from a declared 60 in service in 1922 (from the inventory at grouping), until the early 1960's.

One of these vehicles has been preserved.

This Kit features:

- **Pre-cut wood sides and ends.**
- **Sturdy construction**
- **3D printed axleguards and brake components**
- **3D printed roof and buffers**

Build impressive rolling stock using this kit as the basis of your next project.

Catalogue: June 2026

**Category: 4mm Great Northern
Railway Wagons**

Model: GN04-W008

GNR 20 ton brake van (6 Wheels)

QRcode: GN04-W008



About this Vehicle:

The GNR had several types of brake van. The brake van type that this model represents is the twenty ton, 6 wheeled version with horizontal planking. This vehicle was mainly used for heavy goods and mineral traffic.

These brake vans have been described in books (e.g. 19th Century Railway Drawings by A. Prior, and LNER Wagons by P. Tatlow) and the Model Railway press (Especially an article in "Model Railway News" December 1967). A representative model will enhance any model railway based on the GNR or its former geographical area.

This Kit features:

- **Pre-cut wood sides and ends.**
- **Sturdy construction**
- **3D printed axleguards and brake components**
- **3D printed roof and buffers**

Build impressive rolling stock using this kit as the basis of your next project.

Catalogue: June 2026

**Category: 4mm Great Western
Railway**

Model: GW04-1777

GWR Siphon O4-1777 kit 4mm

QRcode: GW04-1777



GWR Milk Van 1777 : GW Milk Van Number 1777 is an interesting and unique vehicle. This vehicle was adapted from a standard milk van (type O4). The vehicle had louvered sides and was a precursor of later vehicles designed with louvered sides. In other respects it was similar to the standard O4 type vehicle. The GWR code name for milk vans was SIPHON.

This kit features:

- Laser cut MDF carcass
- Overlaid card Panels
- 3D printed roof
- 3D printed solebars
- Our wheels [D3D-01 \(3 axles wheels + mansell inserts\)](#) are compatible with this kit

A difficult and tedious task encountered when modelling pre-grouping rolling stock is the preparation, cutting out and alignment of the windows, droplights and panels.

This kit reduces the tedium, complication and labour associated with the construction of a detailed model of a coach body using accurate laser cut layers conveniently assembled in our SmartFrame without specialist knowledge to give the same quality, or better, as traditional methods using plastic or etched components.

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Build impressive rolling stock using this kit as the basis of your next project.

E&OE Updated January 2024

Catalogue: June 2026


**Category: 4mm Great Western
Railway**

Model: GW04-SO1

GWR Siphon O1 (four wheeled)

kit 4mm

QRcode: GW04-SO1



The graphic contains the following elements:

- Top left: Diagram3D logo
- Top right: Title box: "Great Western Railway(GWR) 4 Wheeled Siphon SO1 4mm Scale ("OO" "EM" "P4" etc.)"
- Center: Two images of the model. The top one is a wooden frame labeled "GWR Siphon O1(4 Wheels)". The bottom one is the assembled model with a green roof.
- Bottom left: A box labeled "Era 1-2 Pre-grouping to Grouping" with a QR code.
- Bottom center: A box labeled "4mm Scale".
- Bottom right: A large red box labeled "Era 1-2" and "GW04-SO1".
- Bottom: A box labeled "Diagram3D.com".

About this Vehicle:

This kit is based on the original GWR siphon version O1. This was a four wheeled vehicle and should not be confused with the later six wheeled siphon which took the same designation after this van became extinct.

The original vehicle was produced in several lots between 1871 and the late 1880's. There were two distinct variations with differing door profiles. Sufficient parts are provided to complete either one of the versions of the vehicles. The kit consists of a MDF frame with card sides and end overlays. It is provided with 3D printed components for the solebar (incorporating axleguards and step board detail), clasp brakes and roof.

This Kit features:

- An unusual and interesting prototype
- 3D printed roof
- 3D printed solebars and brakes
- Our wheels [D3D-00 \(2 axles wheels + mansell inserts\)](#) are compatible with this kit

Build impressive rolling stock easily using this kit as the basis of your next project.

Catalogue: June 2026

**Category: 4mm Great Western
Railway**

Model: GW04-SO2

GWR Siphon O2 kit 4mm

QRcode: GW04-SO2



GWR Milk Van type O2 : This vehicle, designated O2, was a six wheeled Milk or Fish van. The O2 van preceded the related O1 and O3 six wheeled vans. It shared similar features, especially twin double doors on each side. The number of doors was the main visual difference between these vehicles (O2,O3,O1) and the later O4 van which had three double doors on each side. O2 vans had a low single arc roof profile. O2 vans were converted from open carriage trucks. The GWR code name for milk vans was SIPHON.

This kit features:

- **An unusual and interesting prototype**
- **3D printed roof**
- **3D printed solebars and brakes**
- **Our wheels [D3D-01 \(3 axles wheels + mansell inserts\)](#) are compatible with this kit**

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Build impressive rolling stock using this kit as the basis of your next project.

E&OE Updated January 2024

Catalogue: June 2026

**Category: 4mm Great Western
Railway**

Model: GW04-SO3

GWR Siphon O3 kit 4mm

QRcode: GW04-SO3



About this Vehicle:

This 4mm scale kit represents a Great Western Railway six wheeled milk van (O3)

This was a six wheeled vehicle. It was developed for the transportation of milk in churns. It was also used for transporting fish.

This kit is made from MDF with detail components etched into card overlays and 3D printed components including a roof, solebars and brake components.

These vehicles were modified over their lifetimes in keeping with applicable regulations. In general it is advisable to have access to a good reference work with photographs. A book was written on the development of these vehicles: "Great Western Siphons" (by Jack N. Slinn, Pendragon books 1986 in association with the Historical Model Railway Society). The book describes and enumerates these vehicles in detail

This Kit features:

- **An unusual and interesting prototype**
- **3D printed roof**
- **3D printed solebars and brakes**
- **Our wheels [D3D-01 \(3 axles wheels + mansell inserts\)](#) are compatible with this kit**

Build impressive rolling stock using this kit as the basis of your next project.

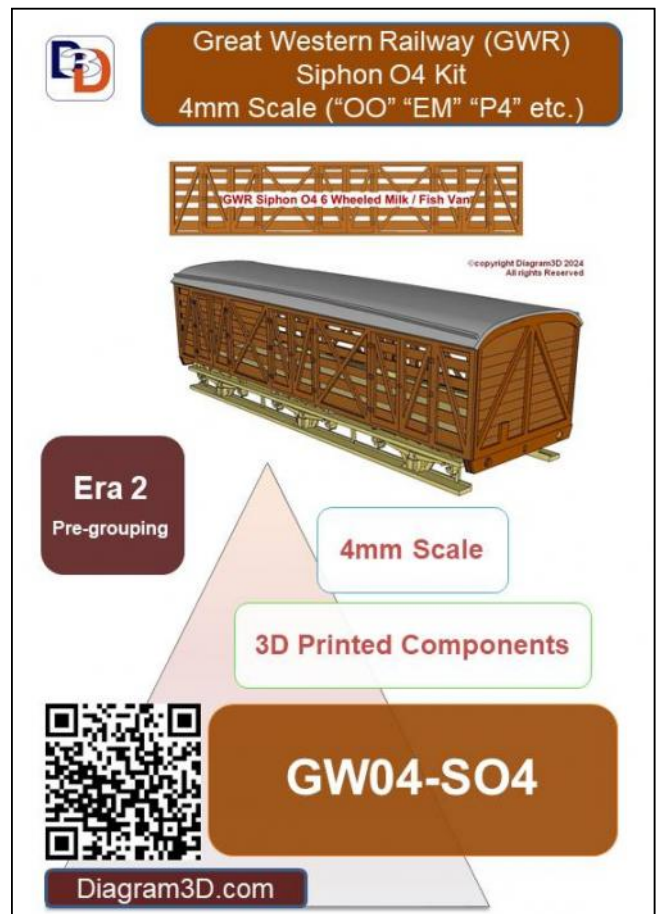
Catalogue: June 2026

**Category: 4mm Great Western
Railway**

Model: GW04-SO4

GWR Siphon O4 kit 4mm

QRcode: GW04-SO4



GWR Milk Van type O4 : This kit represents the most numerous type of six wheeled GWR siphon, designated O4. There were a number of types and variants of the GWR milk van. This vehicle type had three double doors whereas earlier vans had two double doors. An entire book was written on the development of these vehicles. (“Great Western Siphons” by Jack N. Slinn, Pendragon books 1986 in association with the Historical Model Railway Society).

This kit features:

- **An unusual and interesting prototype**
- **3D printed roof**
- **3D printed solebars and brakes**
- **Our wheels [D3D-01 \(3 axles wheels + mansell inserts\)](#) are compatible with this kit**

A difficult and tedious task encountered when modelling pre-grouping rolling stock is the preparation, cutting out and alignment of the windows, droplights and panels.

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Build impressive rolling stock using this kit as the basis of your next project.

E&OE Updated January 2024

Catalogue: June 2026

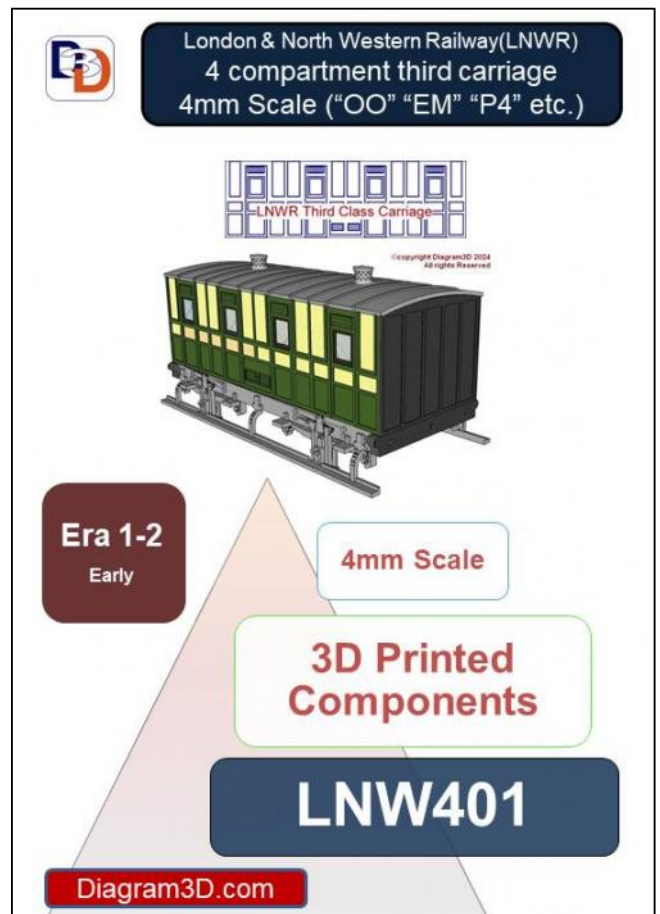
**Category: 4mm London & North
Western Railway**

Model: LNW401

LNWR 4 compartment third class

coach

QRcode: LNW401



About this Vehicle:

This is a *lasercut* kit of a historical London and North Western Railway Railway (LNWR) carriage of the mid 1800's, designed and produced in-house by Diagram3D.

The kit is based on information gathered about a grounded coach body by the LNWR society. This kit is also available in 7mm scale.

This Kit features:

- **Laser cut MDF carcass**
- **Card panels for sides and ends.**
- **3D printed roof and oil lamps**
- **3D printed solebars**
- **Our wheels [D3D-00 \(2 axles wheels + mansell inserts\)](#) are compatible with this kit**

Adhesive, paint, wheels, couplings, buffers etc. are not included.

A difficult and tedious task encountered when modelling rolling stock is the preparation, cutting out and alignment of the windows, droplights and panels.

This kit reduces the tedium, complication and labour associated with the construction of a detailed model of a coach body using accurate laser cut layers conveniently assembled in our SmartFrame without specialist knowledge to give the same quality, or better, as other methods using plastic or etched components.

There are precise aligned layers for the coach sides which reproduce window apertures, droplights, window frames, panelling, and beading. Floor, partitions, roof members, ends complete with steps and panelling are included together with pre-cut glazing. In summary, all that is required to make a convincing representation of this early panelled coach body.

Build impressive rolling stock using this kit as the basis of your next project.

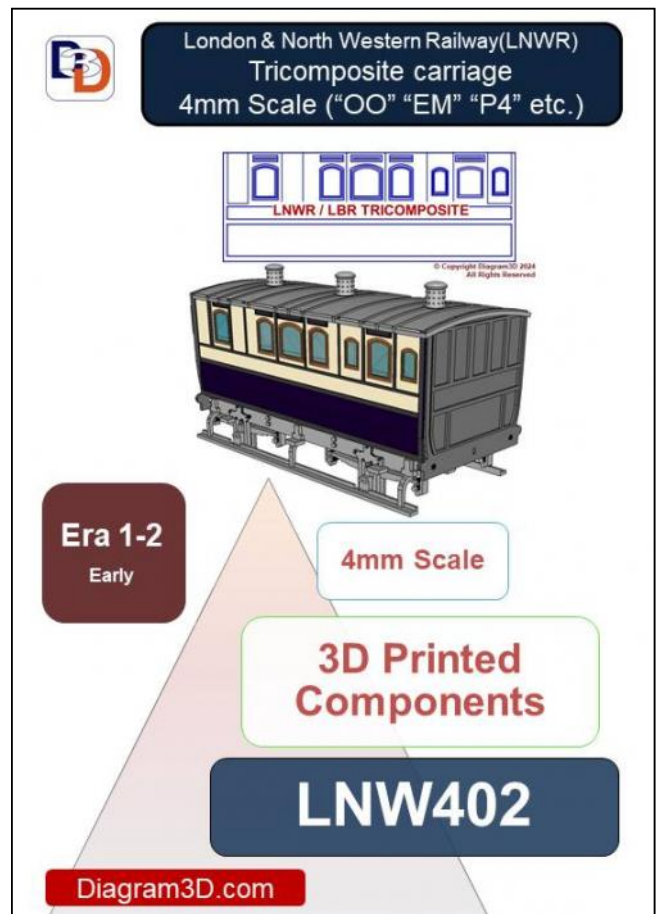
Catalogue: June 2026

**Category: 4mm London & North
Western Railway**

Model: LNW402

LNWR tri-composite coach

QRcode: LNW402



About this Vehicle:

This is a *laser cut* kit of a historical London and North Western Railway Railway (LNWR) carriage of the mid 1800's, designed and produced in-house by Diagram3D.

This model of an early LNWR tri-composite carriage is based on a vehicle which was acquired by the Mawddwy Railway from the LNWR. The vehicle was photographed around 1900 when passenger services were withdrawn. The photographic evidence gives an excellent idea of the construction of this vehicle.

- **Laser cut MDF carcass**
- **Card panels for sides and ends.**
- **3D printed roof and oil lamps**
- **3D printed solebars**
- **Our wheels [D3D-00 \(2 axles wheels + mansell inserts\)](#) are compatible with this kit**

Adhesive, paint, wheels, couplings, buffers etc. are not included.

A difficult and tedious task encountered when modelling rolling stock is the preparation, cutting out and alignment of the windows, droplights and panels.

This kit reduces the tedium, complication and labour associated with the construction of a detailed model of a coach body using accurate laser cut layers conveniently assembled in our SmartFrame without specialist knowledge to give the same quality, or better, as other methods using plastic or etched components.

There are precise aligned layers for the coach sides which reproduce window apertures, droplights, window frames, panelling, and beading. Floor, partitions, roof members, ends complete with steps and panelling are included together with pre-cut glazing. In summary, all that is required to make a convincing representation of this early panelled coach body.

Build impressive rolling stock using this kit as the basis of your next project.

Catalogue: June 2026

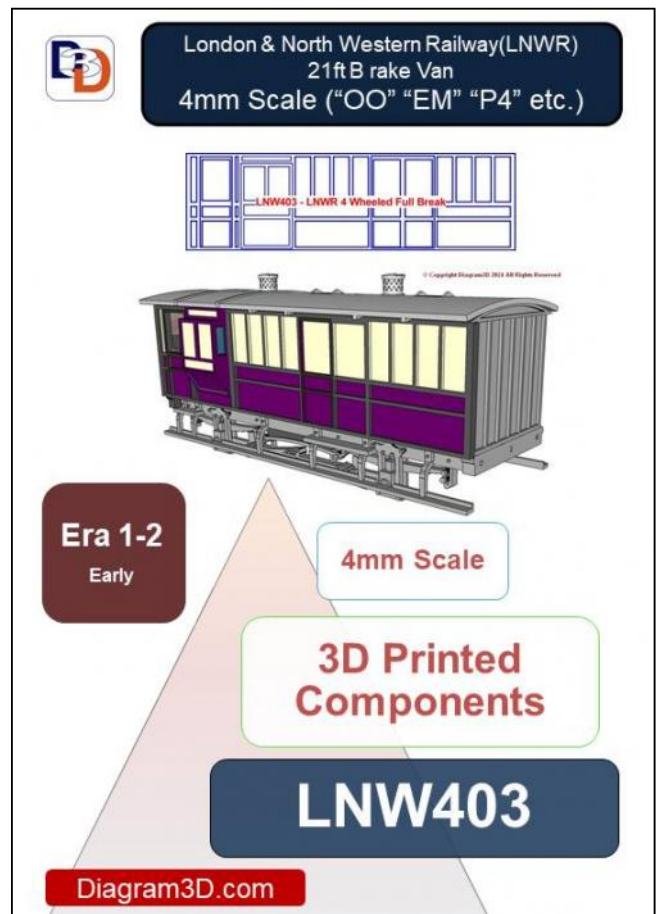
Category: 4mm London & North

Western Railway

Model: LNW403

LNWR Full Brake Van

QRcode: LNW403



About this Vehicle:

This is a *lasercut* kit of a historical London and North Western Railway Railway (LNWR) carriage of the mid 1800's, designed and produced in-house by Diagram3D.

The vehicle on which this model is based was a 21ft four wheeled brake van. The model includes

- **Laser cut MDF carcass**
- **Card panels for sides and ends.**
- **3D printed roof and oil lamps**
- **3D printed solebars**
- **3D printed guards lookouts**
- **Our wheels [D3D-00 \(2 axles wheels + mansell inserts\)](#) are compatible with this kit**

Adhesive, paint, wheels, couplings, buffers etc. are not included.

A difficult and tedious task encountered when modelling rolling stock is the preparation, cutting out and alignment of the windows, droplights and panels.

This kit reduces the tedium, complication and labour associated with the construction of a detailed model of a coach body using accurate laser cut layers conveniently assembled in our SmartFrame without specialist knowledge to give the same quality, or better, as other methods using plastic or etched components.

There are precise aligned layers for the coach sides which reproduce window apertures, droplights, window frames, panelling, and beading. Floor, partitions, roof members, ends complete with steps and panelling are included together with pre-cut glazing. In summary, all that is required to make a convincing representation of this early panelled coach body.

Build impressive rolling stock using this kit as the basis of your next project.

Catalogue: June 2026

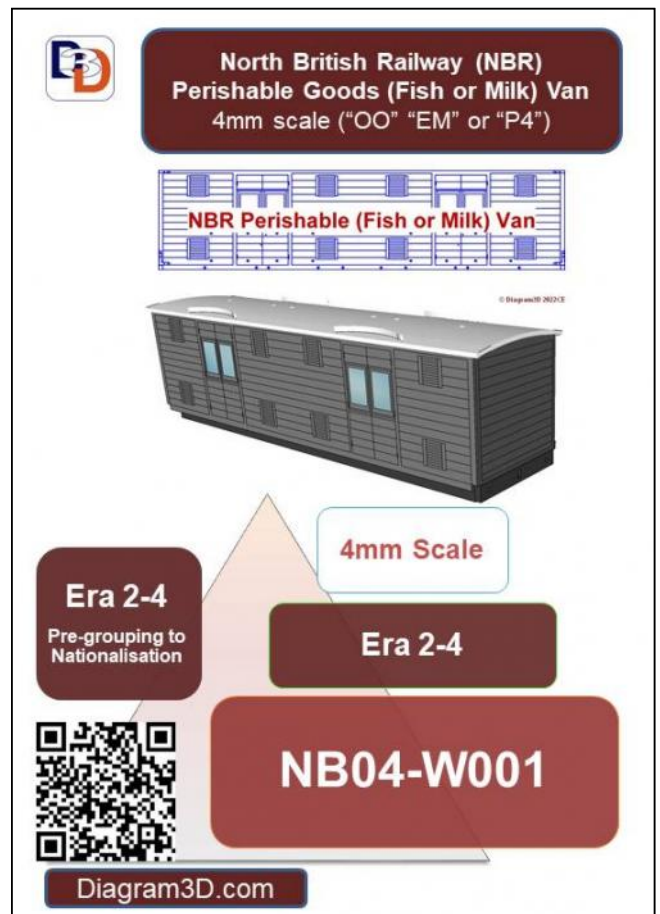
Category: 4mm North British

Railway

Model: NB04-W001

NBR Perishable Goods (Fish and Milk) Van.

QRcode: NB04-W001



About this Vehicle:

This kit is modelled on a perishable goods van which was used for the conveyance of fish and milk by the North British Railway (NBR). It was a six wheeled vehicle and is described in detail within the book "LNER Wagons Volume 3" by P. Tatlow ISBN 978 1 905 184 56 9. (Pages. 58-59).

An article featuring this model appears here: [A fine \(North British\) Mess!](#)

This Kit features:

- **3D printed roof**
- **Sturdy construction**
-
- **Our underframe kit [D3D-05-CF](#) is compatible with this kit**
- **Our wheels [D3D-01 \(3 axles wheels + mansell inserts\)](#) are compatible with this kit**

A difficult and tedious task encountered when modelling rolling stock is the preparation, cutting out and alignment of the windows, droplights and panels.

This kit reduces the tedium, complication and labour associated with the construction of a detailed model of a coach body using accurate laser cut layers conveniently assembled in our SmartFrame without specialist knowledge to give the same quality, or better, as traditional methods using plastic or etched components.

There are precisely aligned layers for the vehicle which reproduce window apertures, droplights, window frames, panelling, and beading. Floor, partitions, roof members, ends complete with steps and panelling are included together with pre-cut glazing. In summary, all that is required to make a convincing representation of this early panelled coach body.

Build impressive rolling stock using this kit as the basis of your next project.

Catalogue: June 2026

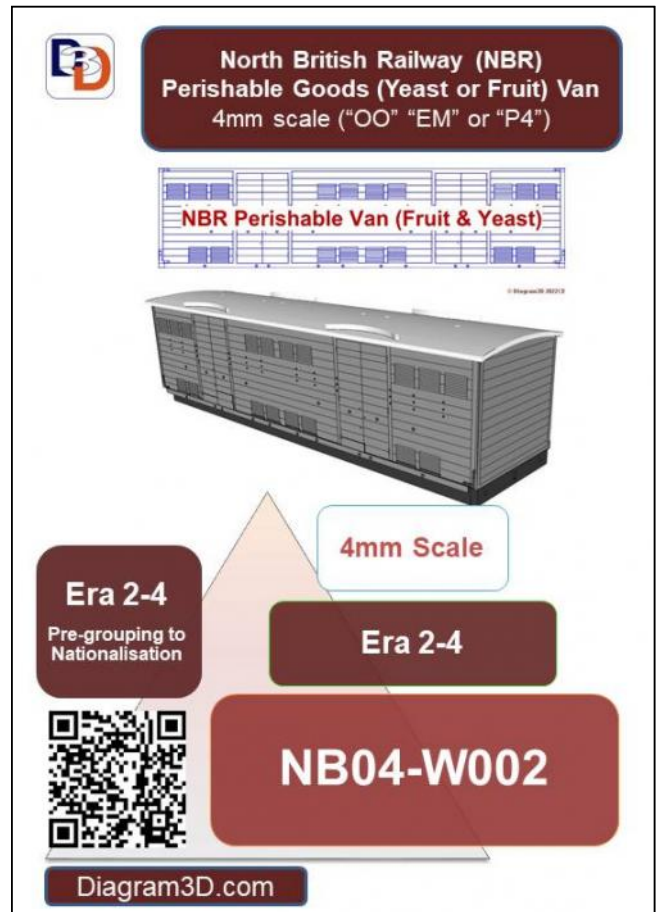
Category: 4mm North British

Railway

Model: NB04-W002

NBR Perishable Goods (Yeast and Fruit) Van.

QRcode: NB04-W002



About this Vehicle:

This kit is modelled on a perishable goods van which was used for the conveyance of Yeast and Fruit by the North British Railway (NBR). It was a six wheeled vehicle and is described in detail within the book "LNER Wagons Volume 3" by P. Tatlow ISBN 978 1 905 184 56 9. (Pages. 58-59).

This Kit features:

- **3D printed roofs**
- **Sturdy construction**
-
- **Our underframe kit [D3D-05-CF](#) is compatible with this kit**
- **Our wheels [D3D-01 \(3 axles wheels + mansell inserts\)](#) are compatible with this kit**

A difficult and tedious task encountered when modelling rolling stock is the preparation, cutting out and alignment of the windows, droplights and panels.

This kit reduces the tedium, complication and labour associated with the construction of a detailed model of a coach body using accurate laser cut layers conveniently assembled in our SmartFrame without specialist knowledge to give the same quality, or better, as traditional methods using plastic or etched components.

There are precisely aligned layers for the vehicle sides which reproduce window apertures, droplights, window frames, panelling, and beading. Floor, partitions, roof members, ends complete with steps and panelling are included together with pre-cut glazing. In summary, all that is required to make a convincing representation of this early panelled coach body.

Build impressive rolling stock using this kit as the basis of your next project

Catalogue: June 2026

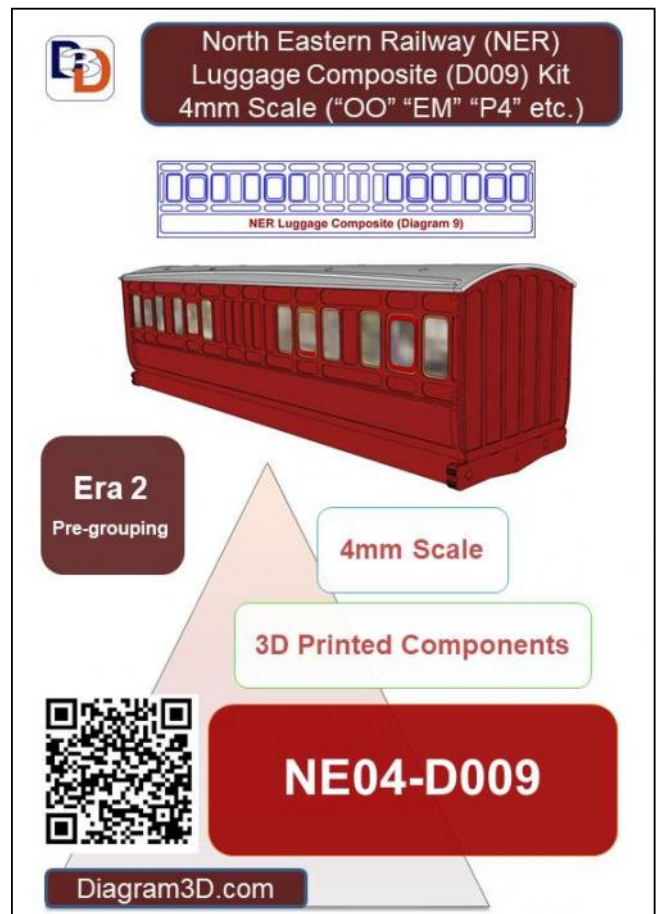
**Category: 4mm North Eastern
Railway**

Model: NE04-D009

NER Luggage composite carriage

(Diagram 9)

QRcode: NE04-D009



This carriage was one of a series of 32ft six wheeled carriages which were designed and built by the North Eastern Railway in the latter part of the 19th Century. They used a standard underframe and replaced earlier vehicles. This model represents a composite carriage with a central luggage compartment, diagram 9. The NER inventory contained over 200 similar vehicles in the 1890's.

This kit features:

- Laser cut MDF carcass
- Overlaid card Panels
- 3D printed roof
-
- Our underframe kit [D3D-05-CF](#) is compatible with this kit
- Our wheels [D3D-01 \(3 axles wheels + mansell inserts\)](#) are compatible with this kit

A difficult and tedious task encountered when modelling pre-grouping rolling stock is the preparation, cutting out and alignment of the windows, droplights and panels.

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Build impressive rolling stock using this kit as the basis of your next project.

E&OE Updated January 2024

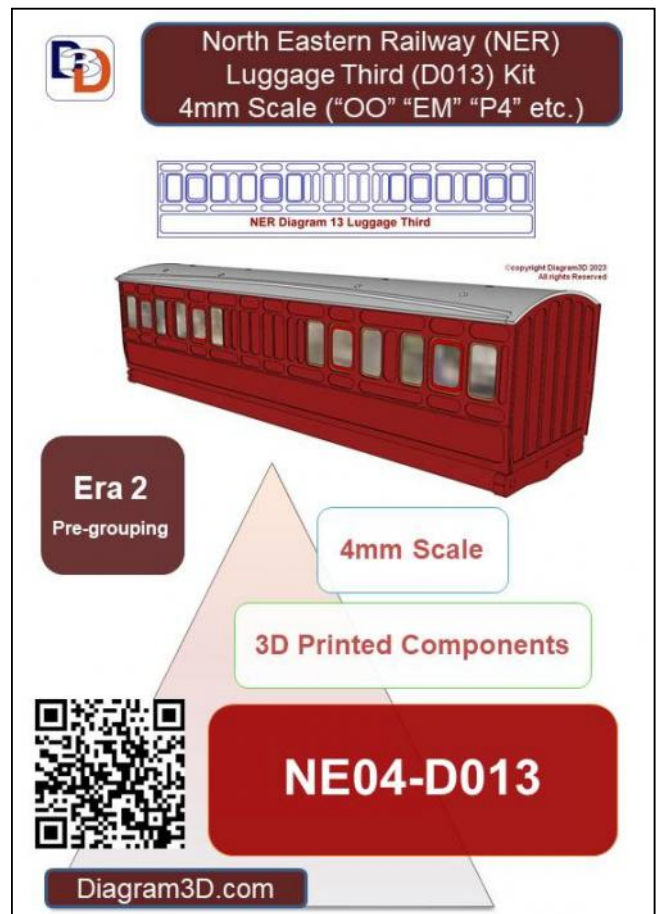
Catalogue: June 2026

**Category: 4mm North Eastern
Railway**

Model: NE04-D013

**NER Third class luggage
carriage (Diagram 13)**

QRcode: NE04-D013



NER Luggage Third (Diagram 13): These carriages were very similar to Diagram 15 thirds, see our product NE04-D015. One passenger compartment was replaced by a luggage compartment. A drawing of this vehicle exists at the National Railway Museum (LNER drawing 1830D, formerly NER drawing 71a). This drawing was referred to during the design of this model. Originally, the livery would have been standard NER maroon with yellow lining. Roofs were white when new.

This kit features:

- Laser cut MDF carcass
- Overlaid card Panels
- 3D printed roof
-
- Our underframe kit [D3D-05-CF](#) is compatible with this kit
- Our wheels [D3D-01 \(3 axles wheels + mansell inserts\)](#) are compatible with this kit

A difficult and tedious task encountered when modelling pre-grouping rolling stock is the preparation, cutting out and alignment of the windows, droplights and panels.

This kit reduces the tedium, complication and labour associated with the construction of a detailed model of a coach body using accurate laser cut layers conveniently assembled in our SmartFrame without specialist knowledge to give the same quality, or better, as traditional methods using plastic or etched components.

There are precisely aligned layers for the coach sides which reproduce window apertures, droplights, window frames, panelling, and beading. Floor, partitions, roof members, ends complete with steps and panelling are included together with pre-cut glazing. In summary, all that is required to make a convincing representation of this early panelled coach body.

Build impressive rolling stock using this kit as the basis of your next project.

E&OE Updated January 2024

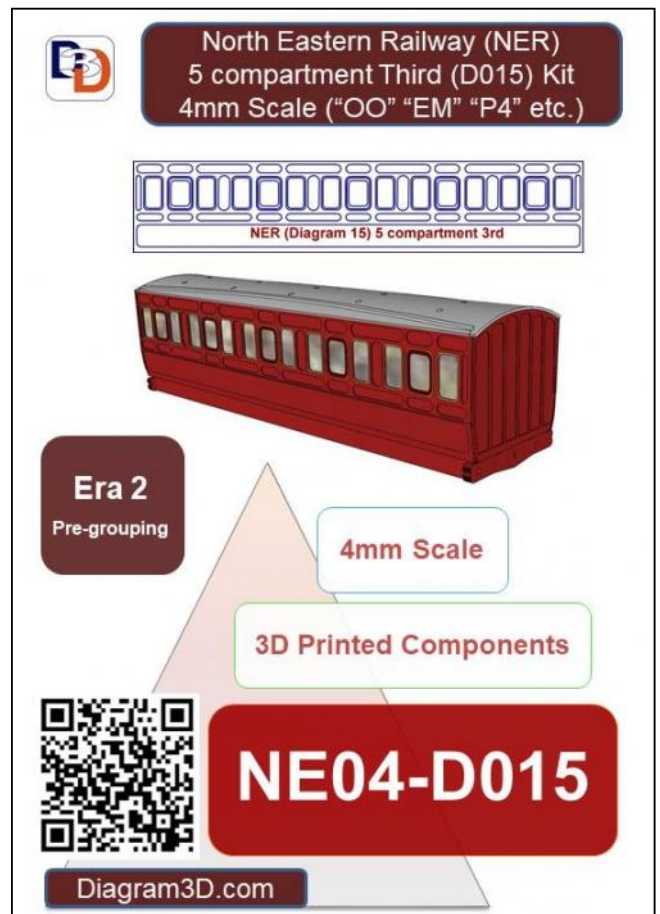
Catalogue: June 2026

**Category: 4mm North Eastern
Railway**

Model: NE04-D015

**NER Five compartment third
class carriage (Diagram 15)**

QRcode: NE04-D015



NER Third (Diagram 15): This type of carriage was the most numerous vehicle produced by the North Eastern Railway (NER). Approximately 1000 examples of this type of carriage were produced from the mid 1880's until 1895. A drawing of this vehicle exists at the National Railway Museum (LNER drawing 1829D, formerly NER drawing 68a). This drawing was referred to during the design of this model.

This kit features:

- **Laser cut MDF carcass**
- **Overlaid card Panels**
- **3D printed roof**
-
- **Our underframe kit [D3D-05-CF](#) is compatible with this kit**
- **Our wheels [D3D-01 \(3 axles wheels + mansell inserts\)](#) are compatible with this kit**

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Build impressive rolling stock using this kit as the basis of your next project.

E&OE Updated January 2024

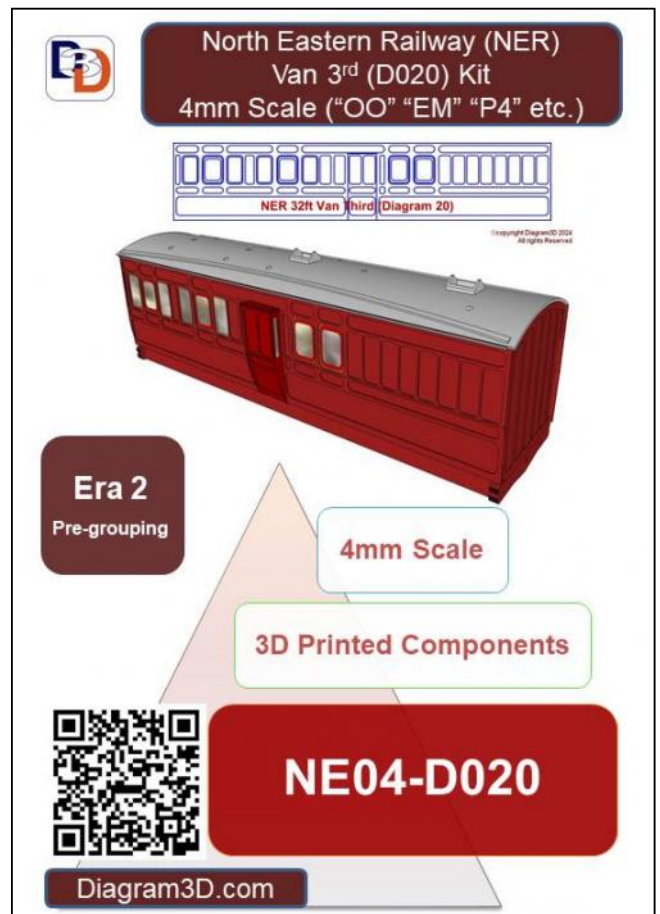
Catalogue: June 2026

**Category: 4mm North Eastern
Railway**

Model: NE04-D020

NER Van Third (Diagram 20)

QRcode: NE04-D020



NER Van Third (Diagram 20):

This model represents a Guards van with two third class compartments (diagram 20). The NER inventory contained about a hundred similar vehicles in the 1890's. This carriage was one of a series of 32ft six wheeled carriages which were designed and built by the North Eastern Railway in the latter part of the 19th Century. They used a standard underframe and replaced earlier vehicles.

This kit features:

- Laser cut MDF carcass
- Overlaid card Panels
- 3D printed roof and Guards Lookouts
-
- Our underframe kit [D3D-05-CF](#) is compatible with this kit
- Our wheels [D3D-01 \(3 axles wheels + mansell inserts\)](#) are compatible with this kit

A difficult and tedious task encountered when modelling pre-grouping rolling stock is the preparation, cutting out and alignment of the windows, droplights and panels.

This kit reduces the tedium, complication and labour associated with the construction of a detailed model of a coach body using accurate laser cut layers conveniently assembled in our SmartFrame without specialist knowledge to give the same quality, or better, as traditional methods using plastic or etched components.

There are precisely aligned layers for the coach sides which reproduce window apertures, droplights, window frames, panelling, and beading. Floor, partitions, roof members, ends complete with steps and panelling are included together with pre-cut glazing. In summary, all that is required to make a convincing representation of this early panelled coach body.

Build impressive rolling stock using this kit as the basis of your next project.

E&OE Updated January 2024

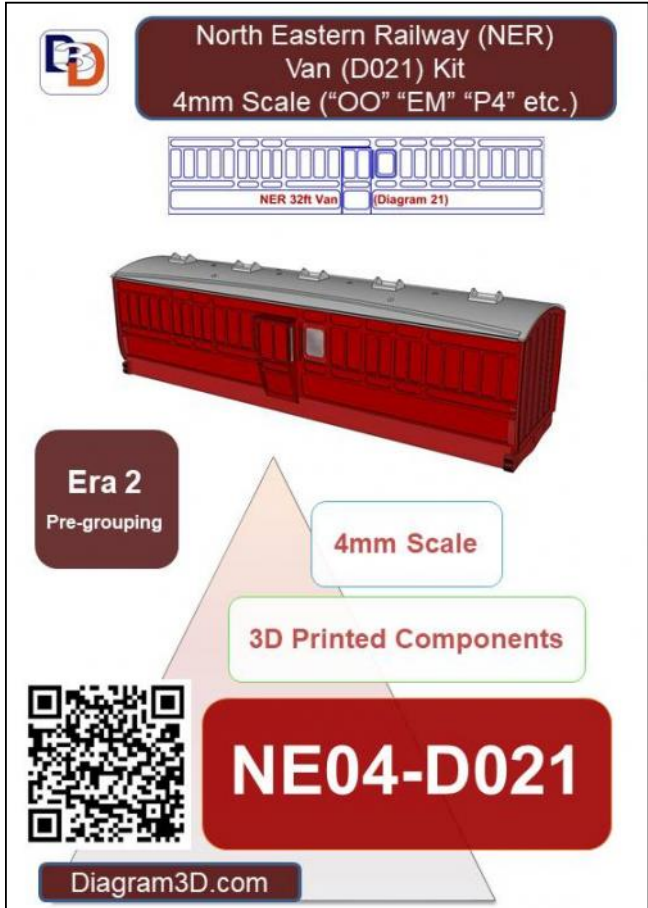
Catalogue: June 2026

**Category: 4mm North Eastern
Railway**

Model: NE04-D021

NER Guards Van (Diagram 21)

QRcode: NE04-D021



North Eastern Railway (NER)
Van (D021) Kit
4mm Scale ("OO" "EM" "P4" etc.)

NER 32ft Van (Diagram 21)

Era 2
Pre-grouping

4mm Scale

3D Printed Components

NE04-D021

Diagram3D.com

NER Van (Diagram 21):

This model represents a North Eastern Railway Guards van (diagram 21). This model represents a Guards van, diagram 21. The NER inventory contained about two hundred similar vehicles in the 1890's. They were originally designed for passenger traffic, some were used for milk traffic and others passed into goods service

This kit features:

- Laser cut MDF carcass
- Overlaid card Panels
- 3D printed roof and Guards Lookouts
-
- Our underframe kit [D3D-05-CF](#) is compatible with this kit
- Our wheels [D3D-01 \(3 axles wheels + mansell inserts\)](#) are compatible with this kit

A difficult and tedious task encountered when modelling pre-grouping rolling stock is the preparation, cutting out and alignment of the windows, droplights and panels.

This kit reduces the tedium, complication and labour associated with the construction of a detailed model of a coach body using accurate laser cut layers conveniently assembled in our SmartFrame without specialist knowledge to give the same quality, or better, as traditional methods using plastic or etched components.

There are precisely aligned layers for the coach sides which reproduce window apertures, droplights, window frames, panelling, and beading. Floor, partitions, roof members, ends complete with steps and panelling are included together with pre-cut glazing. In summary, all that is required to make a convincing representation of this early panelled coach body.

Build impressive rolling stock using this kit as the basis of your next project.

E&OE Updated January 2024

Catalogue: June 2026

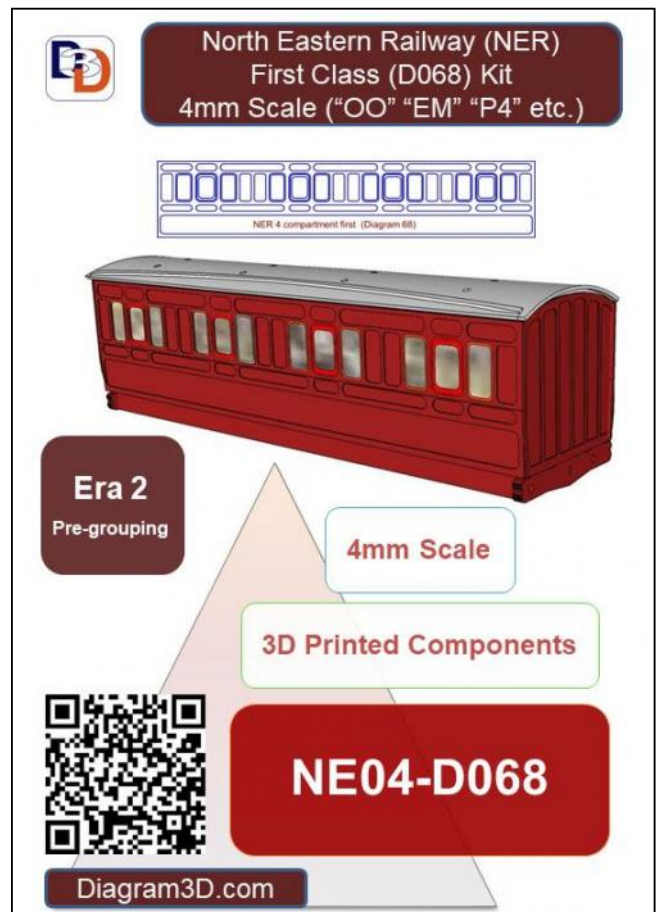
**Category: 4mm North Eastern
Railway**

Model: NE04-D068

NER First Class carriage

(Diagram 68)

QRcode: NE04-D068



NER First (Diagram 68): This carriage was one of a series of 32ft six wheeled carriages which were designed and built by the North Eastern Railway in the latter part of the 19th Century. They used a standard underframe and replaced earlier vehicles. This model represents a first class carriage (diagram 68). The NER inventory contained over fifty similar vehicles in the 1890's.

This kit features:

- **Laser cut MDF carcass**
- **Overlaid card Panels**
- **3D printed roof**
-
- **Our underframe kit [D3D-05-CF](#) is compatible with this kit**
- **Our wheels [D3D-01 \(3 axles wheels + mansell inserts\)](#) are compatible with this kit**

A difficult and tedious task encountered when modelling pre-grouping rolling stock is the preparation, cutting out and alignment of the windows, droplights and panels.

This kit reduces the tedium, complication and labour associated with the construction of a detailed model of a coach body using accurate laser cut layers conveniently assembled in our SmartFrame without specialist knowledge to give the same quality, or better, as traditional methods using plastic or etched components.

There are precisely aligned layers for the coach sides which reproduce window apertures, droplights, window frames, panelling, and beading. Floor, partitions, roof members, ends complete with steps and panelling are included together with pre-cut glazing. In summary, all that is required to make a convincing representation of this early panelled coach body.

Build impressive rolling stock using this kit as the basis of your next project.

E&OE Updated January 2024

Catalogue: June 2026

Category: 7mm Great Northern

Railway Wagons

Model: GN07-W001

GNR Goods Brake Van

QRcode: GN07-W001



Great Northern Railway (GNR)
10 ton, 4 Wheeled, Brake Van Kit
7mm Scale ("O" gauge.)



Era 2-3
Pre-grouping
Grouping

7mm Scale

Horizontal
Planks

3D printed &
Laser cut

GN07-W001

Diagram3D.com

This 7mm scale ("O" gauge) kit is primarily made from laser cut and etched MDF with 3D printed roof and underframe components. This kit can be completed to represent any one of several versions of a standard type used by the Great Northern Railway.

About this Vehicle:

The GNR had several types of brake van. The brake van type that this model is the 4 wheeled version with horizontal planking. It was made in 10 ton, 15 ton and 20 ton versions. The physical dimensions overall were the same, however one version had six wheels (and is also available as a kit from us).

An essential item for a GN or LNER based layout.

This Kit features:

- **Pre-cut MDF sides and ends.**
- **Sturdy construction**
- **3D printed roof, axleguards and brake components**

Build impressive rolling stock using this kit as the basis of your next project.

Catalogue: June 2026

Category: 7mm Great Northern

Railway Wagons

Model: GN07-W002

**GNR Goods Brake Van (vertical
planks)**

QRcode: GN07-W002



Great Northern Railway (GNR)
10 ton, 4 Wheeled Brake Van Kit
7mm Scale ("O" gauge.)



Era 2-3
Pre-grouping
Grouping

7mm Scale

Vertical Planks

3D printed & Laser
cut

GN07-W002

Diagram3D.com

This 7mm scale ("O" gauge) kit is primarily made from laser cut and etched MDF with 3D printed roof and underframe components. This kit can be completed to represent any one of several versions of a standard type used by the Great Northern Railway.

About this Vehicle:

The GNR had several types of brake van. The brake van type that this model is based on, with vertical planking, was a 20 ton version that replaced earlier vans from the early 1900's onwards. It was given diagram 1602/N. The physical dimensions overall were the same as the earlier vans. A few vans were vacuum fitted in later years. There were two significant variations of this van. .This van would always have had the large "G N" livery until grouping.

An essential item for a GN or LNER based layout.

This Kit features:

- **Pre-cut MDF sides and ends.**
- **Sturdy construction**
- **3D printed roof, axleguards and brake components**

Build impressive rolling stock using this kit as the basis of your next project.

Catalogue: June 2026

Category: 7mm Great Northern

Railway Wagons

Model: GN07-W004

GNR Covered Van

QRcode: GN07-W004



Great Northern Railway (GNR)
16ft Covered Van
7mm scale("O" gauge)

Era 1-3
Pre-grouping onwards

7mm Scale
3D printed parts
in colour

GN07-W004

Diagram3D.com

About this Vehicle:

This model represents the standard, outside framed, covered van used by the GNR. In 1906, the GNR recorded 1563 covered vans. At grouping, 669 covered vans are recorded as surviving into LNER stock. These covered vans were actively constructed from about 1867 (Stirling) until about 1905 (Gresley) when outside framed vehicles were gradually replaced by inside framed stock. Photographic records of wagon stock (RAIL 326/682 and RAIL 326/1072 at the National Archives, UK) depict a number of variations. The earliest version appears to have a missing section of roof centrally placed which was used for loading and covered with a tarpaulin. A few vehicles (69 in 1911) were fitted for use in passenger trains.

Vans of a similar design were used on the Cheshire Lines Committee (CLC) and Midland & Great Northern (M&GN).

Any representation of GNR or LNER practice should include some of these vans. They travelled all over the country.

This kit is created with 3D printer and laser technology. The kit is designed to be easy to complete.

This Kit features:

- 3D printed sides, ends and underframes *in colour*.
- 3D printed roof and oil lamps
- 3D printed solebars
- Sturdy construction
- *Includes wheels for static model*

Adhesive, couplings, etc. are not included.

Build impressive rolling stock using this kit as the basis of your next project.

Catalogue: June 2026

Category: 7mm Great Northern

Railway Wagons

Model: GN07-W005

GNR Express Van (7mm)

QRcode: GN07-W005



Great Northern Railway (GNR)
16ft Express Van
7mm scale("O" gauge)

Era 2
Pre-grouping onwards

7mm Scale
3D printed parts
in colour

GN07-W005

Diagram3D.com

About this Vehicle:

In 1906, the GNR recorded 293 Express Vans of this general type, including variants and duplicates. These vans were supplemented by a longer (18ft) version of which 194 were tallied at this date.

The vehicles were originally fitted with 3ft 6in coach pattern ("Mansell") wheels with axleguards and springs wider than standard goods vehicles.

This kit is created with 3D printer and laser technology. The kit is designed to be easy to complete.

This Kit features:

- 3D printed sides, ends and underframes *in colour*.
- 3D printed roof and oil lamps
- 3D printed solebars
- Sturdy construction
- *Includes wheels for static model*

Adhesive, couplings, etc. are not included.

Build impressive rolling stock using this kit as the basis of your next project.

Catalogue: June 2026

Category: 7mm Great Northern

Railway Wagons

Model: GN07-W006

GNR Perishable Van (7mm)

QRcode: GN07-W006



Great Northern Railway (GNR)
16ft Perishable Van
7mm scale(“O” gauge)

Era 2-3
Pre-grouping
onwards

7mm Scale
3D printed parts
in colour

GN07-W006

Diagram3D.com

About this Vehicle:

These vehicles were used to transport perishable goods (butter, lard or fruit). This is an attractive vehicle that can be used in most pre-grouping layouts.

This kit is created with 3D printer and laser technology. The kit is designed to be easy to complete.

This Kit features:

- 3D printed sides, ends and underframes *in colour*.
- 3D printed roof and oil lamps
- 3D printed solebars
- Sturdy construction
- *Includes wheels for static model*

Adhesive, couplings, etc. are not included.

Build impressive rolling stock using this kit as the basis of your next project.

Catalogue: June 2026

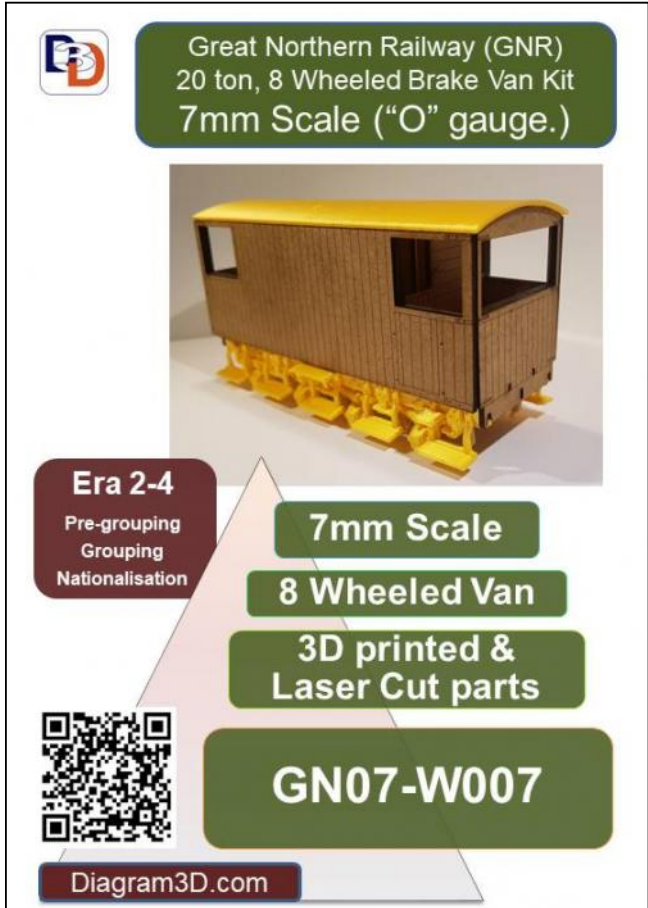
Category: 7mm Great Northern

Railway Wagons


Model: GN07-W007

GNR 20 ton 8 wheeled brake van

QRcode: GN07-W007



Great Northern Railway (GNR)
20 ton, 8 Wheeled Brake Van Kit
7mm Scale ("O" gauge.)



Era 2-4
Pre-grouping
Grouping
Nationalisation


7mm Scale

8 Wheeled Van

**3D printed &
Laser Cut parts**

GN07-W007

Diagram3D.com



About this Vehicle:

The GNR had several types of brake van. The brake van type that this model is the 8 wheeled version with vertical planking. This vehicle was initially used for mineral traffic. Sixty vehicles were introduced in 1913-1914.

These vehicles were long lived there were still 46 in service in 1948 from a declared 60 in service in 1922 (from the inventory at grouping), until the early 1960's.

One of these vehicles has been preserved.

This Kit features:

- **Pre-cut MDF sides and ends.**
- **Sturdy construction**
- **3D printed roof, axleguards and brake components**

Build impressive rolling stock using this kit as the basis of your next project.

Catalogue: June 2026

Category: 7mm Great Northern

Railway Wagons

Model: GN07-W008

GNR Goods Brake Van (six

Wheels)

QRcode: GN07-W008



Great Northern Railway (GNR)
20 ton, 6 Wheeled Brake Van Kit
7mm Scale ("O" gauge.)



Era 2-3
Pre-grouping
Grouping

7mm Scale

6 Wheeled Van

3D printed &
Laser Cut parts

GN07-W008

Diagram3D.com

This 7mm scale ("O" gauge) kit is primarily made from laser cut and etched MDF with 3D printed roof and underframe components.

This Kit features:

- Pre-cut MDF sides and ends.
- Sturdy construction
- 3D Printed roof
- 3D printed underframe incorporating axleguards.
- Brake components

About this Vehicle:

The GNR had several types of brake van. The brake van type that this model represents is the twenty ton, 6 wheeled version with horizontal planking. This vehicle was mainly used for heavy goods and mineral traffic.

These brake vans have been described in books (e.g. 19th Century Railway Drawings by A. Prior, and LNER Wagons by P. Tatlow) and the Model Railway press (Especially an article in "Model Railway News" December 1967). A representative model will enhance any model railway based on the GNR or its former geographical area.

Build impressive rolling stock using this kit as the basis of your next project.

Catalogue: June 2026

**Category: 7mm Great Western
Railway**

Model: GW07-SO1

GWR Siphon O1 (four wheeled)

kit 7mm

QRcode: GW07-SO1



**Great Western Railway (GWR)
Siphon "O1" Milk Van
7MM Scale ("O" gauge)**

**Era 1-3
Pre-grouping
Grouping**

7mm Scale

4 Wheeled Version

**3D printed &
Laser cut**

GW07-SO1

Diagram3D.com

About this Vehicle:

This 7mm ("O" Gauge) kit represents a Great Western Railway four wheeled milk van (O1)

This was a four wheeled vehicle and should not be confused with the six wheeled siphon which is also available as a kit from Diagram3D.

The original vehicle was produced in several lots between 1871 and the late 1880's. There were two distinct variations with differing door profiles. Sufficient parts are provided to complete either one of the versions of the vehicles. The kit is made from MDF with detail components etched into card overlays and 3D printed components including a roof, axleboxes and brake components.

These vehicles were modified over their lifetimes in keeping with applicable regulations. In general it is advisable to have access to a good reference work with photographs. A book was written on the development of these vehicles: "Great Western Siphons" (by Jack N. Slinn, Pendragon books 1986 in association with the Historical Model Railway Society). The book describes and enumerates these vehicles in detail.

This Kit features:

- **7mm ("O" Gauge) kit**
- **Laser cut body**
- **3D printed roof, brakes blocks and axleboxes**
- **Sturdy construction**

Build impressive rolling stock using this kit as the basis of your next project.

Catalogue: June 2026

**Category: 7mm Great Western
Railway**

Model: GW07-SO2

GWR Siphon O2 milk van kit 7mm

QRcode: GW07-SO2



**Great Western Railway (GWR)
Siphon "O2" Milk Van
7MM Scale ("O" gauge)**

**Era 2-3
Pre-grouping
Grouping**

7mm Scale

**3D printed & Laser
cut**

GW07-SO2

Diagram3D.com

About this Vehicle:

This 7mm ("O" Gauge) kit represents a Great Western Railway six wheeled milk van (O2)

This was a six wheeled vehicle. It was developed for the transportation of milk in churns. It was also used for transporting fish.

This kit is made from MDF with detail components etched into card overlays and 3D printed components including a roof, axleboxes and brake components.

These vehicles were modified over their lifetimes in keeping with applicable regulations. In general it is advisable to have access to a good reference work with photographs. A book was written on the development of these vehicles: "Great Western Siphons" (by Jack N. Slinn, Pendragon books 1986 in association with the Historical Model Railway Society). The book describes and enumerates these vehicles in detail

This Kit features:

- **7mm ("O" Gauge) kit**
- **Laser cut MDF body**
- **3D printed roof, brakes blocks and axleboxes**
- **Sturdy construction**

Build impressive rolling stock using this kit as the basis of your next project.

Catalogue: June 2026

**Category: 7mm Great Western
Railway**

Model: GW07-SO3

GWR Siphon O3 milk van kit 7mm

QRcode: GW07-SO3



**Great Western Railway (GWR)
Siphon "O3" Milk Van
7MM Scale ("O" gauge)**

**Era 2-3
Pre-grouping
Grouping**

7mm Scale

**3D printed & Laser
cut**

GW07-SO3

Diagram3D.com

About this Vehicle:

This 7mm ("O" Gauge) kit represents a Great Western Railway six wheeled milk van (O3)

This was a six wheeled vehicle. It was developed for the transportation of milk in churns. It was also used for transporting fish.

This kit is made from MDF with detail components etched into card overlays and 3D printed components including a roof, axleboxes and brake components.

These vehicles were modified over their lifetimes in keeping with applicable regulations. In general it is advisable to have access to a good reference work with photographs. A book was written on the development of these vehicles: "Great Western Siphons" (by Jack N. Slinn, Pendragon books 1986 in association with the Historical Model Railway Society). The book describes and enumerates these vehicles in detail

This Kit features:

- **7mm ("O" Gauge) kit**
- **Laser cut MDF body**
- **3D printed roof, brakes blocks and axleboxes**
- **Sturdy construction**

Build impressive rolling stock using this kit as the basis of your next project.

Catalogue: June 2026

**Category: 7mm Great Western
Railway**

Model: GW07-SO4

GWR Siphon O4 milk van kit 7mm

QRcode: GW07-SO4



	Great Western Railway (GWR) Siphon "O4" Milk Van 7MM Scale ("O" gauge)
	
	
<i>Laser cut</i> MDF & card with 3D printed roof and accessories Adhesive, paint not included. Wheels, buffers etc. not included.	
GW07-SO4	GWR Siphon "O4" 6 wheeled vehicle 7mm Scale
	Website: www.Diagram3D.com

About this Vehicle:

This 7mm ("O" Gauge) kit represents a Great Western Railway six wheeled milk van (O4)

This was a six wheeled vehicle. It was developed for the transportation of milk in churns. It was also used for transporting fish. It was a popular design.

This kit is made from MDF with detail components etched into card overlays and 3D printed components including a roof, axleboxes and brake components.

These vehicles were modified over their lifetimes in keeping with applicable regulations. In general it is advisable to have access to a good reference work with photographs. A book was written on the development of these vehicles: "Great Western Siphons" (by Jack N. Slinn, Pendragon books 1986 in association with the Historical Model Railway Society). The book describes and enumerates these vehicles in detail

This Kit features:

- 7mm ("O" Gauge) kit
- MDF laser cut body
- 3D printed roof, brakes blocks and axleboxes
- Sturdy construction

Build impressive rolling stock using this kit as the basis of your next project.

Catalogue: June 2026

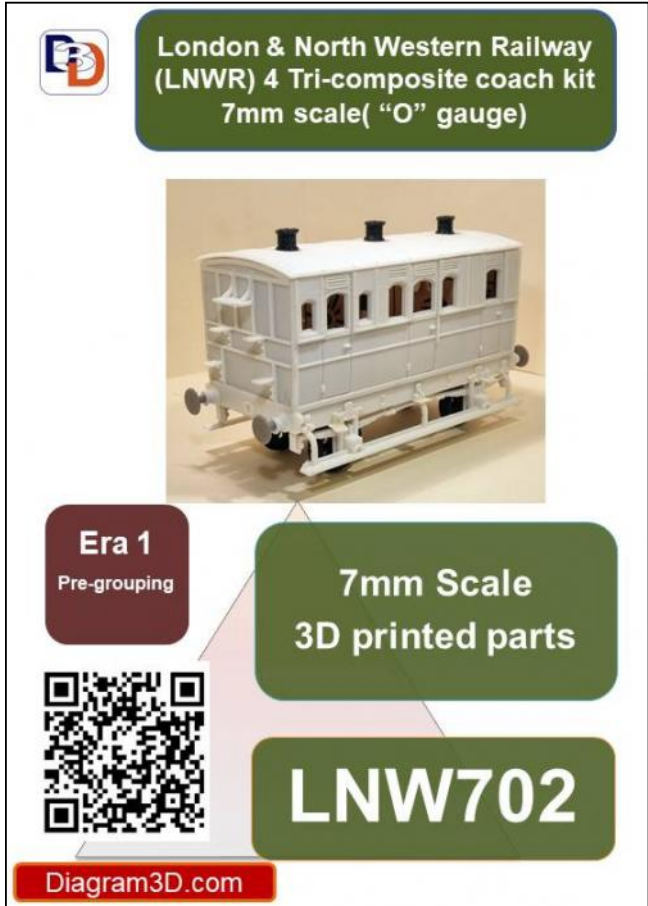
Category: 7mm London & North

Western Railway


Model: LNW702

LNWR tri-composite coach

QRcode: LNW702



London & North Western Railway (LNWR) 4 Tri-composite coach kit
7mm scale("O" gauge)



Era 1
Pre-grouping

7mm Scale
3D printed parts

LNW702

Diagram3D.com

About this Vehicle:

This model of an early LNWR tri-composite carriage is based on a vehicle which was acquired by the Mawddwy Railway from the LNWR. The vehicle was photographed around 1900 when passenger services were withdrawn. The photographic evidence gives an excellent idea of the construction of this vehicle.

This kit is created with 3D printer and laser technology. The kit is designed to be easy to complete.

This Kit features:

- **3D printed sides, ends and underframes.**
- **3D printed roof and oil lamps**
- **3D printed solebars**
- **Sturdy construction**
- ***Includes wheels for static model***

Adhesive, couplings, etc. are not included.

A difficult and tedious task encountered when modelling pre-grouping rolling stock is the preparation, cutting out and alignment of the windows, droplights and panels.

This kit reduces the tedium, complication and labour associated with the construction of a detailed model of a coach body, using the pre-cut and 3D printed parts provided.

Build impressive rolling stock using this kit as the basis of your next project.

Catalogue: June 2026

**Category: 7mm London & North
Western Railway**

Model: LNW704

LNWR Horsebox (13ft 6in)

QRcode: LNW704



The advertisement features a central image of a red horsebox model on tracks. Text boxes provide details: 'London & North Western Railway (LNWR) 13ft 6in. Horsebox kit 7mm scale ("O" gauge)', 'Era 1 Pre-grouping', '7mm Scale 3D printed parts', and 'LNW704'. A QR code and the website 'Diagram3D.com' are also included.

About this Vehicle:

This kit represents a historical London & North Western Railway Railway Horsebox (13ft. 6in.) of the mid 1800's, designed and produced in-house by Diagram3D.

This kit is created with 3D printer and laser technology. It is pre-coloured. The kit is designed to be easy to complete.

The kit is based on information from a grounded body which was researched by the London & North Western Railway Society.

This Kit features:

- 3D printed sides, ends and underframes *in colour.*
- 3D printed roof and oil lamps
- 3D printed solebars
- Sturdy construction
- *Includes wheels for static model*

Adhesive, couplings, etc. are not included.

A difficult and tedious task encountered when modelling pre-grouping rolling stock is the preparation, cutting out and alignment of the windows, droplights and panels.

This kit reduces the tedium, complication and labour associated with the construction of a detailed model of a coach body, using the pre-cut and coloured components supplied.

Build impressive rolling stock using this kit as the basis of your next project.

Catalogue: June 2026

**Category: 7mm London & North
Western Railway**

Model: LNW705

LNWR Open Carriage Truck

QRcode: LNW705



This is a **laser cut** kit of a historical railway vehicle of the 19th Century. This kit represents an open carriage truck, a type of vehicle that was commonly found in passenger trains during this period. The kit is designed for 7mm scale, "O" gauge. It is designed and produced in-house by Diagram3D.

This kit is manufactured in MDF and card with some 3D printed parts. It is supplied with printed instructions.

Additional images can be found at [Gallery LNW705](#)

This kit is created with 3D printer and laser technology. The kit is designed to be easy to complete.

This Kit features:

- **Laser cut MDF parts**
- **Laser cut card components**
- **3D printed axleboxes.**
- **Sturdy construction**
- **D3D-15 (Static display wheels) is included with this kit**

Adhesive, couplings, etc. are not included.

A difficult and tedious task encountered when modelling pre-grouping rolling stock is the preparation, cutting out and alignment of the windows, droplights and panels.

This kit reduces the tedium, complication and labour associated with the construction of a detailed model of a coach body, using the pre-cut and coloured components supplied.

Build impressive rolling stock using this kit as the basis of your next project.

Catalogue: June 2026

**Category: 7mm London & North
Western Railway**

Model: LNW706

LNWR Covered Carriage Truck

QRcode: LNW706



About this Vehicle:

The London & North Western Railway (LNWR) had several versions of Covered Carriage Trucks (CCT). According to an early LNWR diagram book there were about 140 CCT's, of various lengths, in service around the end of the 19th century. These vehicles had many modifications over their lifetime. Many other pre-grouping railways had similar vehicles.

This particular type of CCT had a wheelbase of ten feet and was 19 feet in length. The livery illustrated is an approximation of LNWR maroon which was used for non-passenger coaching stock of the period.. The LNWR Historical Society (<http://www.lnwrs.org.uk/>) is a good source for further study of liveries which changed considerably over time.

Some applicable vehicle numbers from the 1890's diagram book were: 610 – 621 inclusive. (No. 609 was altered to incorporate perforated zinc sides and ends). These vehicles do not appear in later diagram books.

This model was created using information from diagram books, works drawings and photographs of similar vehicles. This kit is created with 3D printer and laser technology. The kit is designed to be easy to complete with pre-coloured parts.

This Kit features:

- 3D printed sides, ends and underframes *in colour*.
- 3D printed roof and oil lamps
- 3D printed solebars
- Sturdy construction
- *Includes wheels for static model*

Adhesive, couplings, etc. are not included.

A difficult and tedious task encountered when modelling pre-grouping rolling stock is the preparation, cutting out and alignment of the windows, droplights and panels.

This kit reduces the tedium, complication and labour associated with the construction of a detailed model of a coach body, using the pre-cut and coloured components supplied.



Build impressive rolling stock using this kit as the basis of your next project.

Catalogue: June 2026

**Category: 7mm London & North
Western Railway**

Model: LNW707

LNWR 3 compartment 1st (1867)

QRcode: LNW707



London & North Western Railway
3 compartment 1st Carriage (1867)
7mm scale("O" gauge)



Era 1
Pre-grouping

7mm Scale
3D printed
Coloured parts

LNW707

Diagram3D.com

About this Vehicle:

This model of an LNWR 3 compartment 1st class vehicle is typical of the short vehicles of the early period. This model relies on drawings and similar vehicles of the period.

This kit is created with 3D printer and laser technology. The kit is designed to be easy to complete.

This Kit features:

- **3D printed parts in colour**
- **3D printed sides, ends and underframes**
- **3D printed roof and oil lamps**
- **3D printed solebars**
- **Sturdy construction**
- **Includes wheels for static model**

Adhesive, couplings, etc. are not included.

A difficult and tedious task encountered when modelling pre-grouping rolling stock is the preparation, cutting out and alignment of the windows, droplights and panels.

This kit reduces the tedium, complication and labour associated with the construction of a detailed model of a coach body, using the pre-cut and coloured components supplied.

Build impressive rolling stock using this kit as the basis of your next project.

Catalogue: June 2026

**Category: 7mm London & North
Western Railway**

Model: LNW708

LNWR 4 compartment 2nd (1860)

QRcode: LNW708



About this Vehicle:

This model of an LNWR 4 compartment 2nd class vehicle is typical of the short vehicles of the early period. This model relies on drawings and similar vehicles of the period.

This kit is created with 3D printer and laser technology. The kit is designed to be easy to complete.

This Kit features:

- **3D printed parts in colour**
- **3D printed sides, ends and underframes**
- **3D printed roof and oil lamps**
- **3D printed solebars**
- **Sturdy construction**
- **Includes wheels for static model**

Adhesive, couplings, etc. are not included.

A difficult and tedious task encountered when modelling pre-grouping rolling stock is the preparation, cutting out and alignment of the windows, droplights and panels.

This kit reduces the tedium, complication and labour associated with the construction of a detailed model of a coach body, using the pre-cut and coloured components supplied.

Build impressive rolling stock using this kit as the basis of your next project.

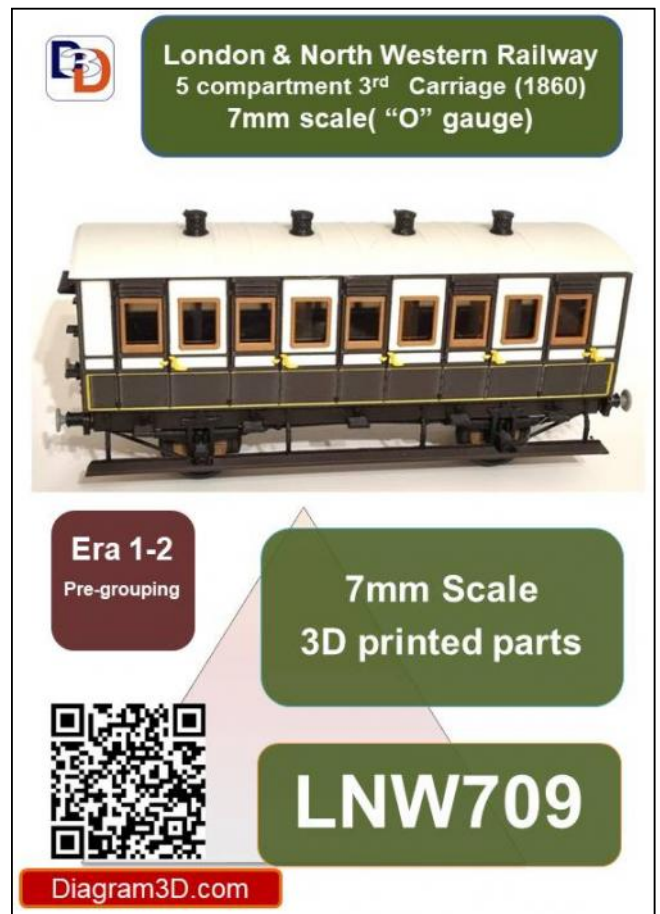
Catalogue: June 2026

**Category: 7mm London & North
Western Railway**

Model: LNW709

LNWR 5 compartment 3rd (1860)

QRcode: LNW709



About this Vehicle:

This model of an LNWR 5 compartment 3rd class vehicle is typical of the short vehicles of the early period. This model relies on drawings and similar vehicles of the period.

This kit is created with 3D printer and laser technology. The kit is designed to be easy to complete.

This Kit features:

- **3D printed parts in colour**
- **3D printed sides, ends and underframes**
- **3D printed roof and oil lamps**
- **3D printed solebars**
- **Sturdy construction**
- **Includes wheels for static model**

Adhesive, couplings, etc. are not included.

A difficult and tedious task encountered when modelling pre-grouping rolling stock is the preparation, cutting out and alignment of the windows, droplights and panels.

This kit reduces the tedium, complication and labour associated with the construction of a detailed model of a coach body, using the pre-cut and coloured components supplied.

Build impressive rolling stock using this kit as the basis of your next project.

Catalogue: June 2026

**Category: 7mm London & North
Western Railway**

Model: OTM701

LNWR 4 compartment third class

coach

QRcode: OTM701



London & North Western Railway
(LNWR) 4 Compartment 3rd Class
coach kit
7mm scale(“O” gauge)

Era 1
Pre-grouping

7mm Scale
Pre-coloured 3D
printed parts

OTM701

Diagram3D.com

About this Vehicle:

This kit represents a historical London and North Western Railway Railway (LNWR) carriage of the mid 1800's, designed and produced in-house by Diagram3D.

This kit is created with 3D printer and laser technology. It is pre-coloured. The kit is designed to be easy to complete.

The kit is based on information gathered about a grounded coach body by the LNWR society.

This Kit features:

- 3D printed sides, ends and underframes *in colour*.
- 3D printed roof and oil lamps
- 3D printed solebars
- Sturdy construction
- *Includes wheels for static model*

Adhesive, couplings, etc. are not included.

A difficult and tedious task encountered when modelling pre-grouping rolling stock is the preparation, cutting out and alignment of the windows, droplights and panels.

This kit reduces the tedium, complication and labour associated with the construction of a detailed model of a coach body, using the pre-cut and coloured components supplied.

Build impressive rolling stock using this kit as the basis of your next project.


Catalogue: June 2026

**Category: 7mm London & North
Western Railway**

Model: OTM702

**LNWR 4 compartment Second class
coach**

QRcode: OTM702



**London & North Western Railway
(LNWR) 4 Compartment 2nd
Class coach kit
7mm scale(“O” gauge)**

**Era 1
Pre-grouping**

**7mm Scale
Pre-coloured 3D
printed parts**

OTM702

Diagram3D.com

About this Vehicle:

This kit represents a historical London and North Western Railway Railway (LNWR) four compartment second class carriage of the mid 1800's, designed and produced in-house by Diagram3D.

This kit is created with 3D printer and laser technology. It is pre-coloured. The kit is designed to be easy to complete.

The kit is based on historical drawings.

This Kit features:

- **3D printed sides, ends and underframes *in colour.***
- **3D printed roof and oil lamps**
- **3D printed solebars**
- **Sturdy construction**
- ***Includes wheels for static model***

Adhesive, couplings, etc. are not included.

A difficult and tedious task encountered when modelling pre-grouping rolling stock is the preparation, cutting out and alignment of the windows, droplights and panels.

This kit reduces the tedium, complication and labour associated with the construction of a detailed model of a coach body, using the pre-cut and coloured components supplied.

Build impressive rolling stock using this kit as the basis of your next project.


Catalogue: June 2026

**Category: 7mm London & North
Western Railway**


Model: OTM703

LNWR Second Class Saloon Coach

QRcode: OTM703



London & North Western Railway
(LNWR) 2ND Class Saloon coach
kit
7mm scale("O" gauge)



Era 1
Pre-grouping

7mm Scale
Pre-coloured 3D
printed parts

OTM703

Diagram3D.com

About this Vehicle:

This kit represents a historical London and North Western Railway Railway (LNWR) second class saloon carriage of the mid 1800's, designed and produced in-house by Diagram3D.

This kit is created with 3D printer and laser technology. It is pre-coloured. The kit is designed to be easy to complete.

The kit is based on historical drawings.

This Kit features:

- 3D printed sides, ends and underframes *in colour.*
- 3D printed roof and oil lamps
- 3D printed solebars
- Sturdy construction
- *Includes wheels for static model*

Adhesive, couplings, etc. are not included.

A difficult and tedious task encountered when modelling pre-grouping rolling stock is the preparation, cutting out and alignment of the windows, droplights and panels.

This kit reduces the tedium, complication and labour associated with the construction of a detailed model of a coach body, using the pre-cut and coloured components supplied.

Build impressive rolling stock using this kit as the basis of your next project.

Catalogue: June 2026

**Category: 7mm London & North
Western Railway**

Model: OTM704

LNWR Second Class Brake Coach

QRcode: OTM704



London & North Western Railway
(LNWR) 2ND Brake coach kit
7mm scale(“O” gauge)

Era 1
Pre-grouping

7mm Scale
Pre-coloured 3D
printed parts

OTM704

Diagram3D.com

About this Vehicle:

This kit represents a historical London and North Western Railway Railway (LNWR) second class brake carriage of the mid 1800's, designed and produced in-house by Diagram3D.

This kit is created with 3D printer and laser technology. It is pre-coloured. The kit is designed to be easy to complete.

The kit is based on historical drawings.

This Kit features:

- 3D printed sides, ends and underframes *in colour*.
- 3D printed roof and oil lamps
- 3D printed solebars
- Sturdy construction
- *Includes wheels for static model*

Adhesive, couplings, etc. are not included.

A difficult and tedious task encountered when modelling pre-grouping rolling stock is the preparation, cutting out and alignment of the windows, droplights and panels.

This kit reduces the tedium, complication and labour associated with the construction of a detailed model of a coach body, using the pre-cut and coloured components supplied.

Build impressive rolling stock using this kit as the basis of your next project.

Catalogue: June 2026

**Category: 7mm London & North
Western Railway**

Model: OTM705

LNWR 21ft Full Break Carriage

QRcode: OTM705



London & North Western Railway
(LNWR) 21ft Full Break
7mm scale(“O” gauge)

Era 1-2
Pre-grouping

7mm Scale
Pre-coloured 3D
printed parts

OTM705

Diagram3D.com

About this Vehicle:

This kit represents a historical London and North Western Railway Railway (LNWR) 21ft Full Brake of the mid 1800's, designed and produced in-house by Diagram3D.

This kit is created with 3D printer and laser technology. It is pre-coloured. The kit is designed to be easy to complete.

The kit is based on historical drawings.

This Kit features:

- 3D printed sides, ends and underframes *in colour*.
- 3D printed roof and oil lamps
- 3D printed solebars
- Sturdy construction
- *Includes wheels for static model*

Adhesive, couplings, etc. are not included.

A difficult and tedious task encountered when modelling pre-grouping rolling stock is the preparation, cutting out and alignment of the windows, droplights and panels.

This kit reduces the tedium, complication and labour associated with the construction of a detailed model of a coach body, using the pre-cut and coloured components supplied.

Build impressive rolling stock using this kit as the basis of your next project.

Catalogue: June 2026


**Category: G3 London & North
Western Railway**

Model: OTMG301


LNWR 4 compartment third class

coach (G3)

QRcode: OTMG301



London & North Western Railway
(LNWR) 4 Compartment 3rd Class
coach kit
13.5 mm scale ("G3")



Era 1
Pre-grouping

"G3" Scale
Pre-coloured 3D
printed parts

OTMG301

Diagram3D.com

About this Vehicle:

**** G3 (13.5mm scale) vehicle ****

L&NWR 3rd Class coach, 1850's.

This kit represents a historical London and North Western Railway (LNWR) carriage of the mid 1800's, designed and produced in-house by Diagram3D.

This kit is created with 3D printer and laser technology. It is pre-coloured. The kit is designed to be easy to complete.

The kit is based on information gathered about a grounded coach body by the LNWR society.

This Kit features:

- 3D printed sides, ends and underframes *in colour*.
- 3D printed roof and oil lamps
- 3D printed solebars
- Sturdy construction
- *Includes wheels for static model*

Adhesive, couplings, etc. are not included.

A difficult and tedious task encountered when modelling pre-grouping rolling stock is the preparation, cutting out and alignment of the windows, droplights and panels.

This kit reduces the tedium, complication and labour associated with the construction of a detailed model of a coach body, using the pre-cut and coloured components supplied.

Build impressive rolling stock using this kit as the basis of your next project.

Catalogue: June 2026

Category: G3 London & North


Western Railway

Model: OTMG302


LNWR 4 compartment second Class

coach

QRcode: OTMG302



London & North Western Railway
(LNWR) 4 Compartment 2nd Class
coach kit
13.5 mm scale ("G3")



Era 1
Pre-grouping

"G3" Scale
Pre-coloured 3D
printed parts

OTMG302

Diagram3D.com

About this Vehicle:

**** G3 (13.5mm scale) vehicle ****

L&NWR 2nd Class coach, 1850's.

This kit represents a historical London and North Western Railway Railway (LNWR) carriage of the mid 1800's, designed and produced in-house by Diagram3D.

This kit is created with 3D printer and laser technology. It is pre-coloured. The kit is designed to be easy to complete.

This Kit features:

- 3D printed sides, ends and underframes *in colour.*
- 3D printed roof and oil lamps
- 3D printed solebars
- **Sturdy construction**
- *Includes wheels for static model*

Adhesive, couplings, etc. are not included.

A difficult and tedious task encountered when modelling pre-grouping rolling stock is the preparation, cutting out and alignment of the windows, droplights and panels.

This kit reduces the tedium, complication and labour associated with the construction of a detailed model of a coach body, using the pre-cut and coloured components supplied.

Build impressive rolling stock using this kit as the basis of your next project.

Catalogue: June 2026


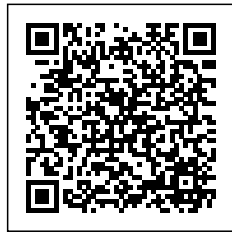
Category: G3 London & North

Western Railway


Model: OTMG303

LNWR Second Class Saloon

QRcode: OTMG303



London & North Western Railway (LNWR) 2nd Class saloon coach kit
13.5 mm scale ("G3")



Era 1
Pre-grouping

"G3" Scale
Pre-coloured 3D printed parts

OTMG303

Diagram3D.com



About this Vehicle:

**** G3 (13.5mm scale) vehicle ****

L&NWR 2nd Class coach, 1850's.

This kit represents a historical London and North Western Railway Railway (LNWR) carriage of the mid 1800's, designed and produced in-house by Diagram3D.

This kit is created with 3D printer and laser technology. It is pre-coloured. The kit is designed to be easy to complete.

This Kit features:

- 3D printed sides, ends and underframes *in colour.*
- 3D printed roof and oil lamps
- 3D printed solebars
- **Sturdy construction**
- *Includes wheels for static model*

Adhesive, couplings, etc. are not included.

A difficult and tedious task encountered when modelling pre-grouping rolling stock is the preparation, cutting out and alignment of the windows, droplights and panels.

This kit reduces the tedium, complication and labour associated with the construction of a detailed model of a coach body, using the pre-cut and coloured components supplied.

Build impressive rolling stock using this kit as the basis of your next project.

Catalogue: June 2026

Category: G3 London & North

Western Railway

Model: OTMG304

LNWR second Class Brake Van

QRcode: OTMG304



London & North Western Railway (LNWR) 2nd Class Brake Van kit 13.5 mm scale ("G3")

Era 1 Pre-grouping

"G3" Scale Pre-coloured 3D printed parts

OTMG304

Diagram3D.com

About this Vehicle:

**** G3 (13.5mm scale) vehicle ****

L&NWR 2nd Class Brake Van, 1850's.

This kit represents a historical London and North Western Railway Railway (LNWR) carriage of the mid 1800's, designed and produced in-house by Diagram3D.

This kit is created with 3D printer and laser technology. It is pre-coloured. The kit is designed to be easy to complete.

This Kit features:

- **3D printed sides, ends and underframes *in colour.***
- **3D printed roof and oil lamps**
- **3D printed solebars**
- **Sturdy construction**
- ***Includes wheels for static model***

Adhesive, couplings, etc. are not included.

A difficult and tedious task encountered when modelling pre-grouping rolling stock is the preparation, cutting out and alignment of the windows, droplights and panels.

This kit reduces the tedium, complication and labour associated with the construction of a detailed model of a coach body, using the pre-cut and coloured components supplied.

Build impressive rolling stock using this kit as the basis of your next project.

Catalogue: June 2026


Category: G3 London & North

Western Railway


Model: OTMG305

LNWR 21ft Brake Van

QRcode: OTMG305



London & North Western Railway (LNWR) 21ft Brake Van kit
13.5 mm scale ("G3")



Era 1-2
Pre-grouping

"G3" Scale
Pre-coloured 3D
printed parts

OTMG305

Diagram3D.com

About this Vehicle:

**** G3 (13.5mm scale) vehicle ****

L&NWR 2nd Class Brake Van, 1850's.

This kit represents a historical London and North Western Railway Railway (LNWR) carriage of the mid 1800's, designed and produced in-house by Diagram3D.

This kit is created with 3D printer and laser technology. It is pre-coloured. The kit is designed to be easy to complete.

This Kit features:

- 3D printed sides, ends and underframes *in colour.*
- 3D printed roof and oil lamps
- 3D printed solebars
- **Sturdy construction**
- *Includes wheels for static model*

Adhesive, couplings, etc. are not included.

A difficult and tedious task encountered when modelling pre-grouping rolling stock is the preparation, cutting out and alignment of the windows, droplights and panels.

This kit reduces the tedium, complication and labour associated with the construction of a detailed model of a coach body, using the pre-cut and coloured components supplied.

Build impressive rolling stock using this kit as the basis of your next project.

Catalogue: June 2026

Category: G3 North London

Railway

Model: NLRG301

NLR Ballast Wagon No. 216

QRcode: NLRG301



North London Railway (NLR)
Ballast Wagon
13.5mm scale ("G3")



Era 1-2
Pre-grouping

13.5mm Scale
Laser Cut & 3D
printed parts

NLRG301

Diagram3D.com

This is a **lasercut** kit of a historical railway vehicle, designed and produced in-house by Design3D.

This Gauge 3 kit is manufactured from Birch Plywood, MDF, plastic and card.

Adhesive, paint, wheels, couplings, buffers etc. are not included.

To complete this kit the purchaser has to supply suitable wheels, couplings and other fittings.