märklin

New Items for 2014

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märklin

Dear Märklin Fans,

In this year's new items brochure we are presenting perfect reproductions of legendary trains and locomotives as new items for 2014. Naturally, in the scales H0, Z, and 1. Our love of detail and the ongoing striving to depict reality as a miniature makes it possible within our 155-year-old tradition to present this large selection of new products.
Experience the fascination of model railroading and the mystique of a great brand. Take advantage of Märklin's innovative ability and get ready to be surprised by the new features in the area of the mfx+ world of operation and other new technologies in our locomotives.
Your personal operating and playing with our products will thereby become an even more realistic experience.
Of course, there is more than just new items from Märklin for our experienced customers. We have some surprises for the smallest of our customers and also for beginners in the world of railroading. For the little ones ages 3 and above there are several new products in the battery assortment and for the somewhat older ones we can be found on the shelves with Märklin Start up. Electric trains for older kids and people coming back to model trains promises a lot of fun and enjoyment with exciting worlds of play. With Märklin, you build your own world and you master it easily with our modern technology. The model and reality blur into one another. Our innovations bring your childhood memories back to life and make your railroad dreams come true.

Best wishes for a lot of fun discovering our new items for 2014 from,

Your Märklin Team

Märklin Dealer Initiative: We live Märklin!

Since 1990, the Märklin Dealer Initiative (MHI) has stood for quality and service in a "brick and mortar" specialty dealer setting.
The MHI dealers emphasize personal contact with the customer. Service for us is not a foreign word and we have always understood customer service as service for the customer.
Advice, friendliness, and local service vs. on-line buying and the irritation of claims – these are the values of the MHI. We emphasize this with a 5-year warranty.
We offer our model railroaders and collectors in every gauge exactly the right stuff with exclusive models for the brands Märklin, Trix, and LGB.
The board of directors for the MHI (chosen by the Märklin dealers in Germany) creates in cooperation with Märklin new models with the latest technology following the slogan **"We live Märklin".**

Our specialty dealers in Europe can also be found in the Internet – at **www.mhi-portal.eu**

MHI special production runs are innovative products with special differences in their paint schemes, imprinting, and technical features for the experienced model railroaders or also replicas from earlier Märklin periods. These products are identified with the pictogram .

Exclusive.
Innovative.
Reliable.

Class T 16.1 Tank Locomotive

37166 Tank Locomotive.
Prototype: Royal Prussian Railroad Administration (KPEV) class T 16.1 freight tank locomotive. Brownish green basic paint scheme. With the bell and pre-heater on the top of the boiler as well as older design buffers. Road number 8118 Magdeburg. The locomotive looks as it did around 1916.
Model: The locomotive has the new mfx+ digital decoder and extensive sound functions. It also has controlled high-efficiency propulsion with a flywheel in the boiler. 5 axles powered. Traction tires. The locomotive is constructed mostly of metal. The locomotive comes with a 72270 smoke unit already installed. The dual headlights change over with the direction of travel. They and the built-in smoke unit will work in conventional operation and can be controlled digitally. Maintenance-free warm white LEDs are used for the lighting. The locomotive has Telex couplers front and rear for remote-controlled uncoupling from cars. The locomotive has a switching range with a switching light function front and rear that can be controlled digitally. Figures of a locomotive engineer and a fireman, piston rod protection sleeves, and brake hoses are included.
Length over the buffers 14.6 cm / 5-3/4".

- **Prototypical tooling changes for the Prussian version.**
- **A wide variety of operating and sound functions that can be controlled.**
- **Telex couplers front and rear included.**
- **Figures of a locomotive engineer and a fireman included.**
- **Equipped with the new mfx+ digital decoder.**
- **Operation possible in beginner, advanced, and expert modes.**
- **Simulated operating supplies usage.**
- **Realistic running characteristics such as constant speed.**
- **Simulated engineer's cab in the Central Station 2 display.**
- **Control of the model in the cab mode by means of the touchscreen on the Central Station 2.**
- **These new functions are only available in conjunction with the Central Station 2 starting with firmware Version 2.5.**

One-time series.

A freight car set to go with this locomotive can be found in the Märklin H0 assortment under item number 46084.

Digital Functions	Control Unit	Mobile Station	Mobile Station 2	Central Station
Headlight(s)	x	x	x	x
Smoke generator	x	x	x	x
Steam locomotive op. sounds	x	x	x	x
Locomotive whistle	x	x	x	x
Telex coupler(s)	x	x	x	x
Sound of squealing brakes off		x	x	x
Bell		x	x	x
Whistle for switching maneuver		x	x	x
Direct control		x	x	x
Air Pump			x	x
Sound of coal being shoveled			x	x
Grate Shaken			x	x
Injectors			x	x
Letting off Steam			x	x
Rail Joints			x	x
Special Function			x	x

5 Year Warranty**

EXCLUSIV 1/2014

One-Time Series for 2014.

Tank Car Set

märklin HO

NEM | I | 15 +

46084 Tank Car Set.
Prototype: 6 two-axle old-timer tank cars with a brakeman's cab, used as privately owned cars on different railroads. 1 tank car painted and lettered for Süddeutschen Asphalt-Dachpappen- und Teerprodukten-Fabrik / South German Asphalt Roofing Paper and Tar Products Company, Frankfurt/Main, Germany. 1 tank car painted and lettered for Kaiserlich Deutschen Marine / Imperial German Marine. 1 tank car painted and lettered for the firm Hermann Doht, Berlin, Germany. 1 tank car painted and lettered for Imperial Continental Gas Association, Berlin, Germany. All 4 tank cars used on the Royal Prussian Railroad Administration (KPEV). 1 tank car painted and lettered for Deutschen Erdöl-Aktiengesellschaft / German Petroleum Oil Company, Berlin, Germany, used on the Royal Saxon State Railways (K.Sächs.Sts.E.B.). 1 tank car painted and lettered for Oelwerke Noury & van der Lande Tankanlagen / Oelwerke Noury & van der Lande Tank Storage, Mannheim, Germany, used on the Grand Ducal Baden State Railways (Bad.Sts.B). All of the cars look as they did around 1912.

Model: All of the cars have a brakeman's cab and numerous separately applied details. All of the cars have different car numbers and are individually packaged. There is also a master carton.
Total length over the buffers 63.4 cm / 24-7/8".
DC wheel set per car 2 x 32376004.

One-time series.

The class T 16.1 steam freight locomotive to go with these cars can be found in the Märklin H0 assortment under item number 37166.

5 Year Warranty**

46084 37166

** 5 year warranty on all MHI / Exclusiv items and club items (Märklin Insider and Trix Club) starting in 2012.

One-Time Series for 2014.

Class 01 Steam Express Locomotive

39008 Steam Express Locomotive with a Tender.
Prototype: German Federal Railroad (DB) class 01 steam express locomotive with a type 2´2´T34 coal tender. Large Wagner smoke deflectors, silver boiler bands, and buffer plate warning stripes. Road number 01 138. The locomotive looks as it did around 1950.
Model: The locomotive has the new mfx+ digital decoder and extensive sound functions. It also has controlled high-efficiency propulsion with a flywheel, in the boiler. 3 axles powered. Traction tires. The locomotive and tender are constructed mostly of metal. The 7226 smoke unit comes installed in the locomotive. The dual headlights change over with the direction of travel. They and the smoke unit will work in conventional operation and can be controlled digitally. Maintenance-free warm white LEDs are used for the lighting. There is an adjustable close coupling with a guide mechanism between the locomotive and tender for different curves. There is a close coupler with an NEM pocket and guide mechanism on rear of the tender. There is a mechanism in the tender to lower the coal load so that in the operations mode the coal usage can be represented visually in the tender. This function can only be used in the operations mode. Protective sleeves for the piston rods, brake hoses, and figures of the engineer and fireman are included as detail parts. Minimum radius for operation is 360 mm / 14-3/16“.
Length over the buffers 27.5 cm / 10-13/16”.

- **Equipped with the new mfx+ digital decoder.**
- **Operation possible in beginner, advanced, and modes.**
- **Simulated operating supplies usage, visible on the controllers but also in reality from the coal pile that can be lowered in the tender.**
- **Realistic running characteristics such as constant speed.**
- **Simulated engineer‘s cab in the Central Station 2 display.**
- **Control of the model in the cab mode by means of the touchscreen on the Central Station 2.**
- **These new functions are only available in conjunction with the Central Station 2 starting with firmware Version 3.0.**

One-time series.

5 Year Warranty**

Digital Functions	Control Unit	Mobile Station	Mobile Station 2	Central Station
Headlight(s)	x	x	x	x
Smoke generator	x	x	x	x
Steam locomotive op. sounds	x	x	x	x
Locomotive whistle	x	x	x	x
Direct control	x	x	x	x
Sound of squealing brakes off		x	x	x
Flickering Light in Fire Box		x	x	x
Whistle for switching maneuver		x	x	x
Letting off Steam		x	x	x
Sound of coal being shoveled			x	x
Grate Shaken			x	x
Air Pump			x	x
Surrounding sounds			x	x
Conductor‘s Whistle			x	x
“Switcher Double ”“A”“ Light”			x	x

Auto Transport Car Set

märklin HO

NEM III 15 +

45099 Auto Transport Car Set.
Prototype: 4 German Federal Railroad (DB) type Sm 24 interchange design flat cars, as open freight cars, for the transport of vehicles. Each flat car is loaded with 6 Goggomobil transporters in different colors. 2 each Goggo pickups, 2 each Goggo panel vehicles, 1 each Goggo transporter with an open door, 1 Goggo station platform cart. The flat cars and the vehicles look as they did around 1959.
Model: The flat cars have a long wheelbase. The flat car superstructures have load restraints for vehicles. All of the flat cars have different car numbers. Each flat car comes loaded with 6 Goggomobil models from the firm Brekina, in different colors. The cars are individually packaged.
Total length over the buffers 63 cm / 24-13/16".
DC wheel set per car 2 x 700580.

One-time series.

5 Year Warranty**

** 5 year warranty on all MHI / Exclusiv items and club items (Märklin Insider and Trix Club) starting in 2012.

One-Time Series for 2014.

Class 223 Diesel Locomotive

36795 Diesel Locomotive.
Prototype: Class 223 general-purpose diesel electric locomotive as ER 20-013 painted and lettered for Mitsui Rail Capital Europe B.V (MRCE).
Model: The locomotive has an mfx digital decoder and extensive sound functions. It also has a special motor. 4 axles powered by means of cardan shafts. Traction tires. The triple headlights and dual red marker lights change over with the direction of travel, will work in conventional operation, and can be controlled digitally. Maintenance-free warm white and red LEDs are used for the lighting.
Length over the buffers 21.7 cm / 8-1/2".

- **mfx digital decoder included.**
- **Extensive sound functions.**
- **Warm white and red LEDs for the lighting.**

One-time series.

Digital Functions	Control Unit	Mobile Station	Mobile Station 2	Central Station
Headlight(s)	x	x	x	x
Operating Sounds 1	x	x	x	x
Diesel locomotive op. sounds	x	x	x	x
Horn	x	x	x	x
Direct control	x	x	x	x
Sound of squealing brakes off		x	x	x
Rear Headlights off		x	x	x
Whistle for switching maneuver		x	x	x
Front Headlights off		x	x	x
Sound of Couplers Engaging			x	x
Operating Sounds 2			x	x
Letting off Air			x	x
Blower motors			x	x
Conductor's Whistle			x	x
Rail Joints			x	x

5 Year Warranty**

EXCLUSIV 1/2014

** 5 year warranty on all MHI / Exclusiv items and club items (Märklin Insider and Trix Club) starting in 2012.

One-Time Series for 2014.

© V. Stöckmann

EXCLUSIV 1/2014

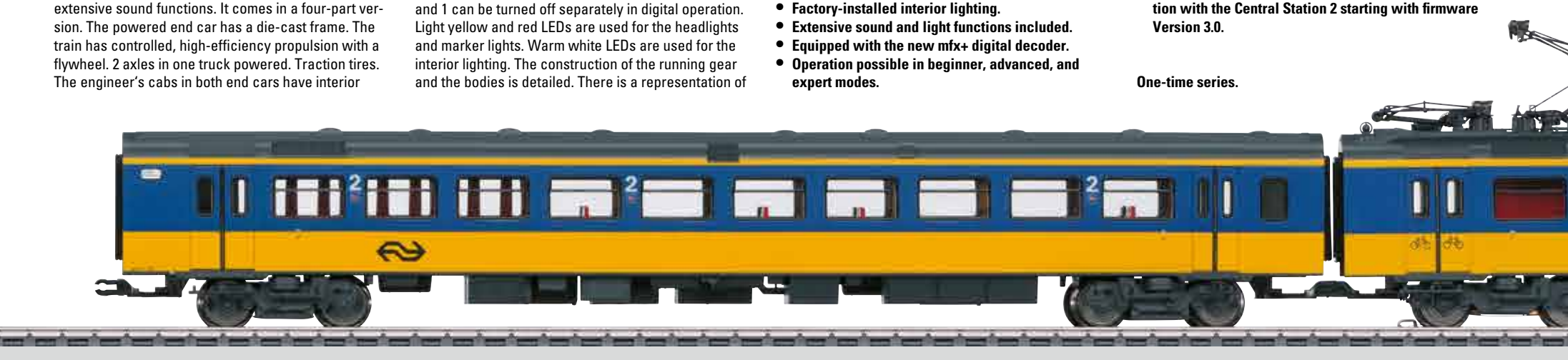
One-Time Series for 2014.

mfx® "Koploper"

37423 Electric Rail Car Train.
Prototype: Dutch State Railways (NS) four-part electric rail car train. Class ELD4, "Koploper" as Intercity powered rail car train ICM-4, road number 4237. 1 motor car as a type mBDk end car, 2nd class, 1 type mB intermediate car, 2nd class, 1 type A intermediate car, 1st class, 1 type sBFk end car, 2nd class.
Model: The train has an mfx+ digital decoder and extensive sound functions. It comes in a four-part version. The powered end car has a die-cast frame. The train has controlled, high-efficiency propulsion with a flywheel. 2 axles in one truck powered. Traction tires. The engineer's cabs in both end cars have interior details. The train has power pickup in the end car at the front of the train; the power pickup changes with the direction of the train. It also has special close couplers with a guide mechanism. The train has factory-installed interior lighting. The interior details vary with the type of car. The triple headlights, dual red marker lights, and the interior lighting will work in conventional operation and can be controlled digitally. The headlights at car ends 2 and 1 can be turned off separately in digital operation. Light yellow and red LEDs are used for the headlights and marker lights. Warm white LEDs are used for the interior lighting. The construction of the running gear and the bodies is detailed. There is a representation of the "Scharfenberg" coupler with a cover on the end cars. A rigid drawbar coupling is included for multiple unit operation. The end cars come from the factory with closed crossover doors. A plug-in part included with the train makes it possible to represent swinging doors with a diaphragm pushed to the side on one end car.
Total train length 114.8 cm / 45-3/16".

- **Factory-installed interior lighting.**
- **Extensive sound and light functions included.**
- **Equipped with the new mfx+ digital decoder.**
- **Operation possible in beginner, advanced, and expert modes.**
- **Simulated operating supplies usage.**
- **Realistic running characteristics such as constant speed.**
- **Simulated engineer's cab in the Central Station 2 display.**
- **Control of the model in the cab mode by means of the touchscreen on the Central Station 2.**
- **These new functions are only available in conjunction with the Central Station 2 starting with firmware Version 3.0.**

One-time series.



Order this model now at your MHI specialty dealer!

This model can be found in a DC version in the Trix H0 assortment under item number 22262.

The "Koploper".

In the mid-Seventies, the Dutch State Railways needed new material to modernize its express passenger service. Trains with flexible utilization are required in this densely populated country in order to manage service in the urban areas. As a result, from 1977 to 1994, a total of 144 powered rail cars, the "Koploper" family, were placed into service. These powered rail cars could be separated and coupled at stops quickly and easily. It also became important that passengers be able to change from one unit to the other, when the train was in motion. The engineer's cabs were thus quickly raised up one level and these powered rail cars were equipped with crossovers at the ends. This feature gives the "Koplopers" a brawny, unusual look. The "Koplopers" were built by the firms Talbot, CEM Oerlikon, and Holec, and were designated by the Dutch State Railways as the classes 4000 and 4200, which differed from one another in their motors, among other things. A short while ago the "Koplopers" underwent modernization and were equipped with air conditioning and facilities for handicapped people. These powered rail cars can reach 160 km/h / 100 mph and are run in the classic NS paint scheme, but they have also been used as advertising surfaces such as for the Olympic Games in 2008 in Beijing. The "Koplopers" are certainly a successful development in rail vehicle technology and their unusual appearance is clearly leaving its mark on passenger service in the Netherlands.

Digital Functions	Control Unit	Mobile Station	Mobile Station 2	Central Station
Headlight(s)	x	x	x	x
Interior lights	x	x	x	x
Locomotive operating sounds	x	x	x	x
Horn	x	x	x	x
Direct control	x	x	x	x
Sound of squealing brakes off		x	x	x
Headlight(s): Cab2 End		x	x	x
Stat. Announce. – Dutch		x	x	x
Headlight(s): Cab1 End		x	x	x
Doors Closing			x	x
Conductor's Whistle			x	x
Rail Joints			x	x
Operating sounds			x	x

5 Year Warranty**

** 5 year warranty on all MHI / Exclusiv items and club items (Märklin Insider and Trix Club) starting in 2012.

One-Time Series for 2014.

mfx® H0 Insider Model for 2014

37870 Electric Freight Locomotive.
Prototype: German Federal Railroad (DB) class E 93 heavy electric freight locomotive. “Bottle Green” basic paint scheme. Road number E 93 07. The locomotive looks as it did around 1960.
Model: The locomotive has the new mfx+ digital decoder and extensive sound functions. It also has controlled high-efficiency propulsion with a flywheel, centrally mounted. 2 axles in each power truck powered by means of cardan shafts. Traction tires. The triple headlights and dual red marker lights change over with the direction of travel, will work in conventional operation, and can be controlled digitally. The headlights at Locomotive End 2 and 1 can be turned off separately in digital operation. When the headlights are turned off at both ends, the double “A” lights are on. The cab lighting can also be controlled in digital operation. Maintenance-free warm white and red LEDs are used for the lighting. The locomotive has separately applied grab irons. The engineer’s cabs have and engine room have interior details in relief. Brake hoses and coupler hooks are included as detail parts that can be mounted on the locomotive.
Length over the buffers 20.3 cm / 8“.

- **Completely new tooling.**
- **Especially fine metal construction.**
- **Cab lighting can also be controlled in digital operation.**
- **The new mfx+ digital decoder and extensive operating and sound functions included.**
- **Operation possible in beginner, advanced, and expert modes.**
- **Simulated operating supplies usage.**
- **Realistic running characteristics such as constant speed.**
- **Simulated engineer‘s cab in the Central Station 2 display.**
- **Control of the model in the cab mode by means of the touchscreen on the Central Station 2.**
- **These new functions are only available in conjunction with the Central Station 2 starting with firmware Version 3.0.**

The 37870 heavy electric freight locomotive is being produced in 2014 in a one-time series only for Insider members.

Digital Functions	Control Unit	Mobile Station	Mobile Station 2	Central Station
Headlight(s)	x	x	x	x
Engineer’s cab lighting	x	x	x	x
Electric locomotive op. sounds	x	x	x	x
Locomotive whistle	x	x	x	x
Direct control	x	x	x	x
Sound of squealing brakes off		x	x	x
Headlight(s): Cab2 End		x	x	x
Whistle for switching maneuver		x	x	x
Headlight(s): Cab1 End		x	x	x
Sanding			x	x
Blower motors			x	x
Sound of Couplers Engaging			x	x
Station Announcements			x	x

Freight car sets to go with this locomotive are being offered under item numbers 46199 and 47321 also only for Insider members.

This model can be found in a DC version in the Trix H0 assortment under item number 22870 exclusively for Trix Club members.

5 Year Warranty**

EXCLUSIV 1/2014

** 5 year warranty on all MHI / Exclusiv items and club items (Märklin Insider and Trix Club) starting in 2012.

One-Time Series for 2014.

H0 Insider Model for 2014

NEM III 15 +

46199 Freight Car Set.
Prototype: 6 different German Federal Railroad (DB) freight cars. 2 type Kmmgks 58 sliding wall / sliding roof cars. 1 type Ommi 51 dump car. 1 type Kmmks 51 sliding roof car. 1 type Ktmmvs 69 covered hopper car. 1 tank car painted and lettered for Vereinigten Tanklager und Transportmittel GmbH / United Tank Storage and Transport, Inc., Hamburg, Germany. The cars look as they did at the start of the Sixties.
Model: The sliding wall / sliding roof cars come with and without a brakeman's platform. The dump car has a brakeman's stand and is loaded with scale-sized ballast. The sliding roof car has a brakeman's platform. Covered hopper car. VTG tank car. All of the cars have different car numbers and are individually packaged.
Total length over the buffers approximately 67.6 cm / 26-1/4".

This freight car set is being produced in 2014 in a one-time series only for Insider members.

This car set can be found in a DC version under Trix item number 24243.

The locomotive to go with this car set can be found under item number 37870. Another car set to go with the E 93 can be found under item number 47321.

** 5 year warranty on all MHI / Exclusiv items and club items (Märklin Insider and Trix Club) starting in 2012.

One-Time Series for 2014.

5 Year Warranty**

47321 46199 37870

One-Time Series for 2014.

H0 Insider Model for 2014

NEM III 15 +

47321 Freight Car Set.
Prototype: 6 different German Federal Railroad (DB) freight cars. 4 type Gl(t)mm(eh)s boxcars with and without end doors and with and without heating couplings. 1 pressurized gas tank car painted and lettered for Vereinigten Tanklager und Transportmittel GmbH / United Tank Storage and Transport, Inc., Hamburg, Germany. 1 type Rr 20 stake car.
Model: 1 boxcar with end doors and a heating coupling. 1 boxcar without end doors and without a heating coupling. 1 VTG pressurized gas tank car without a heat shield. 1 boxcar without end doors and with a heating coupling. 1 stake car with a load of wood. 1 boxcar with end doors and without a heating coupling. All of the cars have different car numbers and are individually packaged.
Total length over the buffers approximately 93.8 cm / 36-15/16".

This freight car set is being produced in 2014 in a one-time series only for Insider members.

This car set can be found in a DC version under Trix item number 24244.

The locomotive to go with this car set can be found under item number 37870. Another car set to go with the E 93 can be found under item number 46199.

5 Year Warranty**

EXCLUSIV 1/2014

** 5 year warranty on all MHI / Exclusiv items and club items (Märklin Insider and Trix Club) starting in 2012.

One-Time Series for 2014.

47321

46199

37870

One-Time Series for 2014.

H0 Insider Model for 2014

The firm A. Heucke Steam Plow-Locomotive Builders from Gatersleben in Saxony-Anhalt manufactured its own steam plow locomotives based on steam plows from the firm Fowler in England at the end of the 19th century into the 20th century. Complete steam plow sets were produced consisting of 2 steam locomobiles and a swivel plow with appropriate accessories. Two locomobiles pulled a swivel plow on a long steel cable for steam plowing across the field lying in front of them. Steam plowing on large areas of farmland was a rather special spectacle for that time as well as today.

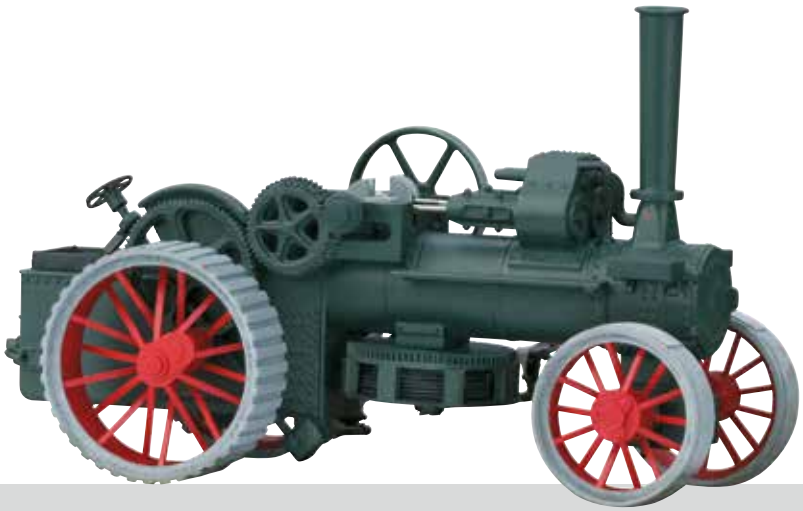
I 1:87 15 +

18970 Swivel Plow Set.
Prototype: Steam plow set with 2 locomobiles and 1 swivel plow with a chain for connecting a locomobile with the balance plow. Manufactured by the firm Heucke from Gatersleben in Saxony-Anhalt. Era I, beginning of the 20th century.
Model: Both locomobiles are constructed mostly of metal. They have finely detailed reproduction of the cylinder, drive gear, flywheel, steering, and the winch. The units have fine spoked wheels with metal treads. The set has 1 swivel plow made of a combination of metal and plastic as well as a chain for connecting a locomobile with the swivel plow.

- **New tooling for the finely detailed swivel plow.**
- **Representation of farm tools at the beginning of the 20th century.**

The steam plow set is being produced in 2014 in a one-time series only for Insider members.

5 Year Warranty**



EXCLUSIV 1/2014

One-Time Series for 2014.

** 5 year warranty on all MHI / Exclusiv items and club items
(Märklin Insider and Trix Club) starting in 2012.

One-Time Series for 2014.

Coal Transport Train Set

III 15 +

81379 Coal Transport Train Set.
Prototype: German Federal Railroad (DB) class 86 steam locomotive and three type Otmm 57 dump cars, used to transport coal.
Model: The model of the class 86 steam locomotive has been extensively reworked compared to earlier versions and now has fully functional valve gear, imitations of the brakes, and other details in addition to headlights. The type Otmm 57 dump cars are lightly weathered. The locomotive and the cars have the correct paint schemes applied finely. All of the wheels are black nickel-plated. These models are not available separately.
Length over the buffers approximately 195 mm / 7-11/16".

The perfect add-on for this train set is the 82379 and/or 82370 car sets.

5 Year Warranty**

EXCLUSIV 1/2014

** 5 year warranty on all MHI / Exclusiv items and club items (Märklin Insider and Trix Club) starting in 2012.

One-Time Series for 2014.

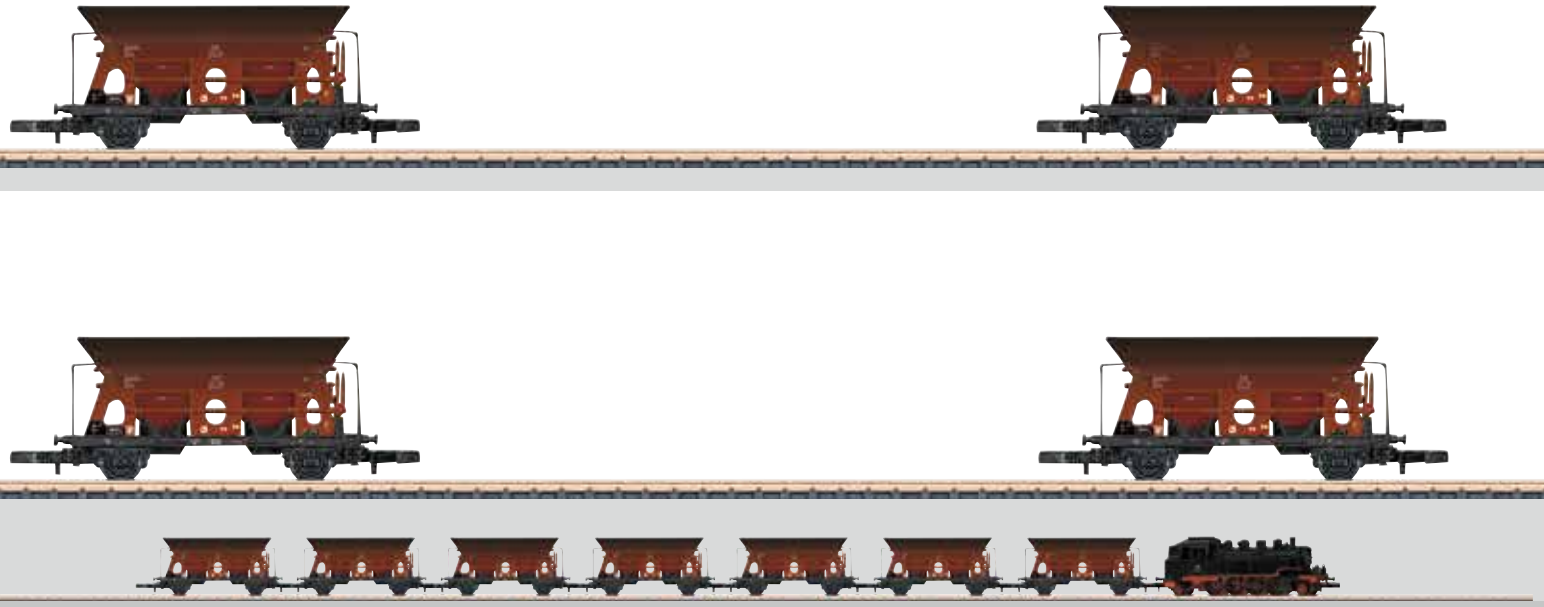
Coal Transport Add-On Set

III 15 +

82379 Coal Transport Add-On Set.
Prototype: Four German Federal Railroad (DB) type Otmm 57 dump cars, conveyor belt for loading the cars, and 1 Büssing truck with a trailer.
Model: The type Otmm 57 dump cars are lightly weathered. The cars and the truck are correctly and finely painted. All of the wheels are black nickel-plated. A laser-cut kit of a conveyor belt for loading coal is included. This kit is made of architectural quality cardstock. A model of a Büssing truck with a trailer for transporting coal is included and is lightly weathered. These models are not available separately.
Length over the buffers approximately 180 mm / 7-1/8".

The perfect add-on for the 81379 train set.

5 Year Warranty**



82379 81379

One-Time Series for 2014.

Z Insider Model for 2014

The Class 64 – The "Bubikopf" as a Jack-of-all-Trades (almost).

Between 1928 and 1940, many famous locomotive builders in Germany participated in creating the class 64. As part of the standard design program for the German State Railroad Company, the class 64 was also closely related to other locomotive classes, in particular the class 24, which supplied the boiler and the frame for the driving wheels. A total of 520 units were built of this 12.4 meter / 40 foot 8-3/16 inch long standard design passenger tank locomotive with a 2-6-2T wheel arrangement. Due to its lower axle load and maximum speed of 90 km/h / 56 mph, it could be used on almost all routes, and its successful design allowed a broad range of applications. Its home base was passenger train service, but lightweight fast passenger trains and many a freight train were also among its tasks, which it mastered with bravura. World War II and the division of Germany left behind deep traces in the case of the class 64. The German Federal Railroad acquired 278 locomotives; 115 went to the German State Railroad of East Germany and one locomotive remained in Austria. Like many other classes, the class 64 also acquired a nickname. A modern woman's hairstyle of the time (bobbed hair) was the inspiration for this sturdy, compact locomotive. To what extent this was flattering to the world of women or to the profession of hairstylists is debatable, but to the German Federal Railroad the class 64 was a reliable partner for crews and passengers right up to its retirement in 1974. The museum locomotives that have been preserved enjoy endless popularity.

88740 Steam Tank Locomotive.
Prototype: German Federal Railroad (DB) class 64 steam locomotive as it looked in Era III.
Model: The locomotive is completely new tooling and is finely detailed. The locomotive body and frame are constructed of metal. There is a reproduction of the brake rigging, rail clearance devices, etc. on the underside of the locomotive. The locomotive has finely detailed valve gear and side rods. It also has larger buffer plates. The triple headlights change over with the direction of travel. Warm white LEDs are used for the headlights. The locomotive has a 5-pole motor. All 3 coupled axles are powered. The wheels are black nickel-plated. Length over the buffers approximately 57 mm / 2-1/4".

- **Metal locomotive frame and body.**
- **Finely detailed side rods / valve gear.**
- **Reproduction of the braking rigging and rail clearance devices.**
- **5-pole motor.**
- **Warm white LEDs for the headlights.**

The 88740 steam locomotive is being produced in a one-time series only for Insider members.

The 87509 car set can be added to the 88740 locomotive to make a prototypical train consist.

EXCLUSIV 1/2014

** 5 year warranty on all MHI / Exclusiv items and club items (Märklin Insider and Trix Club) starting in 2012.

One-Time Series for 2014.


© Otto Blaschke, Sammlung Estler

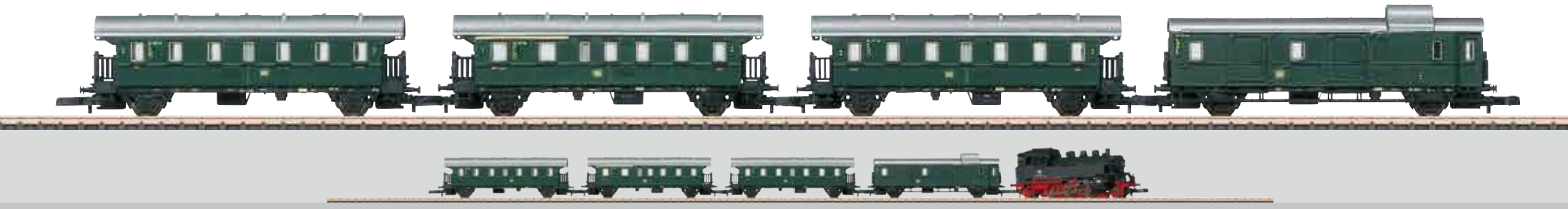
III 15 +

87509 Passenger Car Set.
Prototype: 4 different German Federal Railroad (DB) standard design main line passenger cars as they looked in Era III. 2 type Bie standard design passenger cars, 2nd class, 1 type ABiwe standard design passenger car, 1st/2nd class. 1 type Pwie standard design baggage car.
Model: The 4 different passenger cars are finely painted and lettered. All of the cars have individual car numbers. These models are not available separately.
Total length 252 mm / 9-15/16".

One-time series only for Insider members.

The perfect add-on for the 88740 steam locomotive.

5 Year Warranty**



87509 88740

One-Time Series for 2014.

EXCLUSIV

1/2014

One-Time Series for 2014.

Märklin my world – The Fun of Playing Right from the Start

Unpack, set it up, let's go. That is Märklin my world. Even the smallest model railroad fans can play with trains in a way that is just right for them, and they can experience a lot of fun. Starting in 2014, we are going to develop Märklin my world further and consistently for children in the kindergarten age group. There are also new things among the products with an eye on a great, safe play experience.

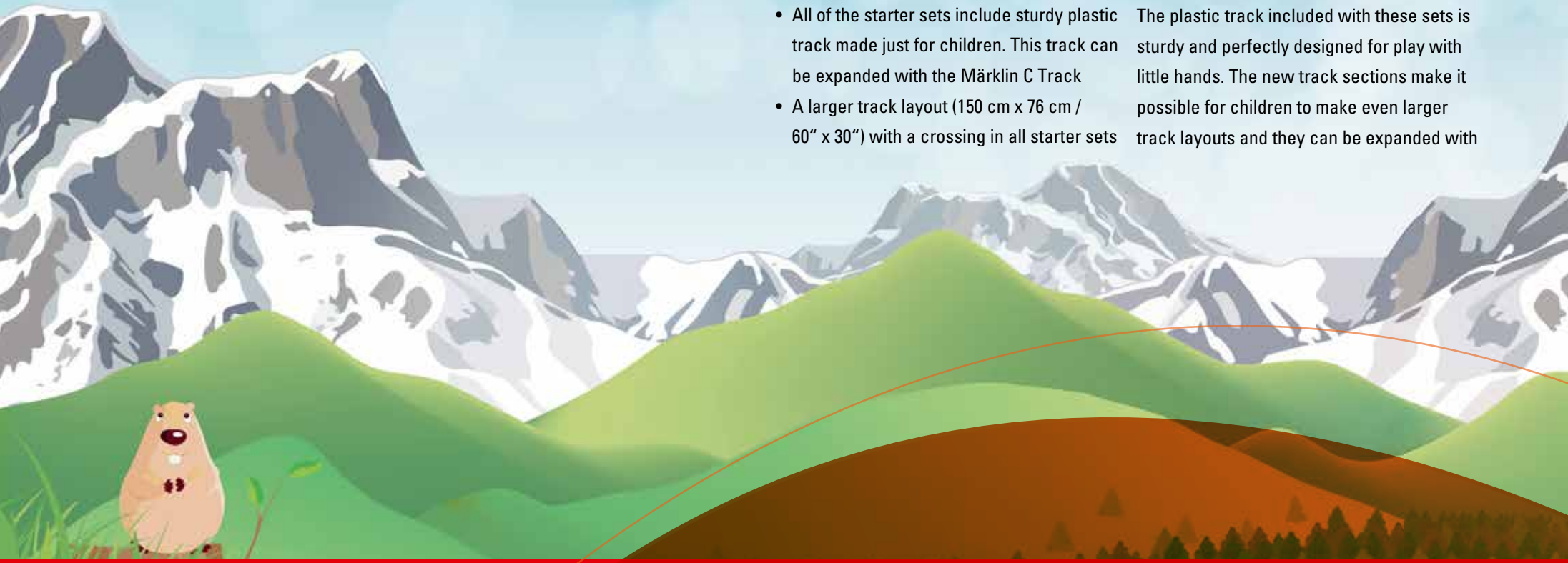
The most important things about Märklin my world in an overview:

- A clear focus on children up to the age of 6 – with products tailored specially to the needs of children
- The line comprises exclusively battery-operated trains – each of them with sturdy, high quality magnet couplers, infrared controllers as well as light and sound functions
- All of the starter sets include sturdy plastic track made just for children. This track can be expanded with the Märklin C Track
- A larger track layout (150 cm x 76 cm / 60" x 30") with a crossing in all starter sets

Still more play experience

Furthermore, the starter sets enable a quick Plug & Play start – all of the elements including the necessary batteries are included in the sets. The sets are designed for children aged 3 and above. Despite that, they fulfill the requirement for quality, technology, and prototypical realism, features that distinguish Märklin.

The plastic track included with these sets is sturdy and perfectly designed for play with little hands. The new track sections make it possible for children to make even larger track layouts and they can be expanded with



an affordable track extension set to make up a passing track or storage tracks.
The Click and Mix System also promises special play value. Children can rebuild their trains in different ways thanks to a simple plug-in system. The passenger car becomes a freight car in the wind of an eye. The steam locomotive becomes a diesel locomotive when the frame and body in bright colors are mixed. Märklin my world thus creates a play experience rich in variety for small railroad fans. It's full speed ahead in the toy segment for children of kindergarten age!

“Freight Train Kit” Starter Set

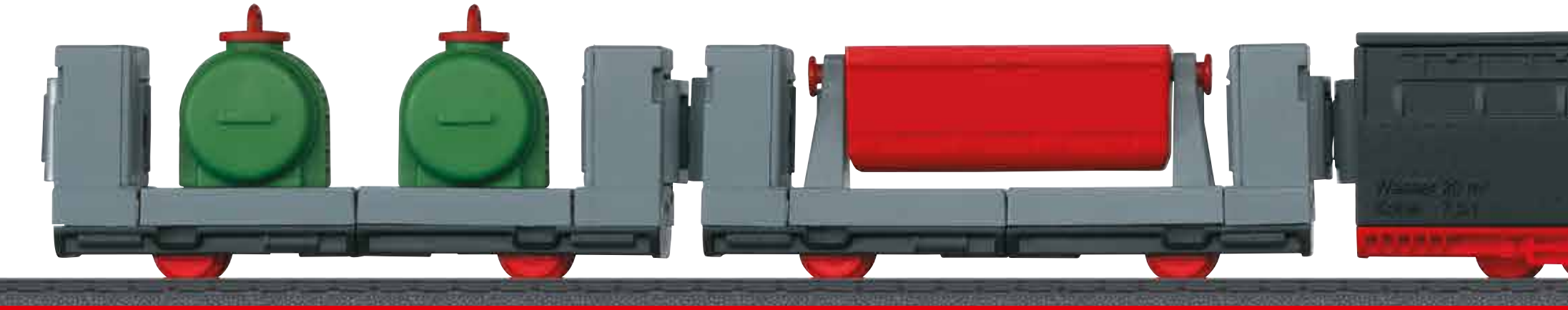
29370 “Freight Train Kit” Starter Set (Click and Mix). Four-part freight train consisting of different locomotive and car kits in colorful paint schemes.
Model: The train has a battery powered drive and magnet couplers between the individual cars. There is a permanently coupled unit consisting of a locomotive and a battery car frame. The body for the locomotive and the battery car can be changed as desired with a simple snap-together design. The train has 3 speed levels in both forward and reverse direction of travel, 3 sound functions, and triple headlights. The dump car and the flat car for containers are snap-together kits and come in the set as individual parts. These parts can also be used individually. Plastic balls are also included for a load in the dump car.
Train length 52.5 cm / 20-11/16“.

- **The locomotive and cars consist of snap-together kits that provide the maximum of play fun.**
- **Battery operated train with light and sound functions.**
- **A very suitable toy for children ages 3 and above.**
- **The containers can be removed individually.**
- **Sturdy plastic track just right for children for fast setup and takedown – even on the floor.**
- **Batteries included.**

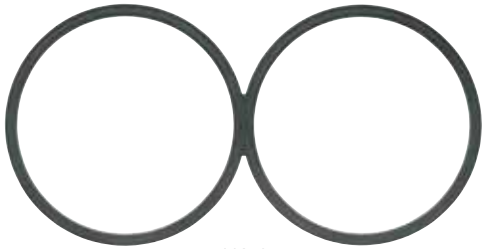
Contents: Permanently coupled unit consisting of a locomotive and a battery car frame, a steam locomotive body with a coal tender insert, a diesel locomotive body with a car body for a boxcar, a dump car kit, a flat car kit for containers, 22 sections of plastic curved track, 1 crossing, and an easy-to-use, wireless infrared controller. 4 each AA and 2 each AAA batteries included. The train can be operated with 2 different frequencies (E/F), thus allowing you to add a second battery train. This set can be expanded with the plastic track extension set 23300.

This starter set can be expanded with other Click and Mix items that are available under item numbers 36270, 44270, 44271, 44272, 44273, 44274, 44275, and 72205.

Functions	Battery train
Headlights	x
Operating Sounds	x
Horn	x
Brakes squealing	x



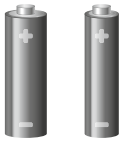
WARNING! Not suitable for children under 3 years. Sharp edges and points required for operation. Danger of choking due to detachable small parts that may be swallowed.



29370
150 x 76 cm / 59“ x 30“

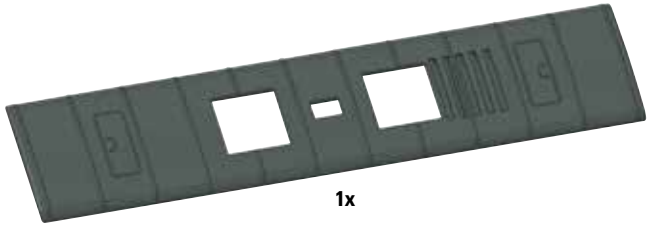
22x

1x

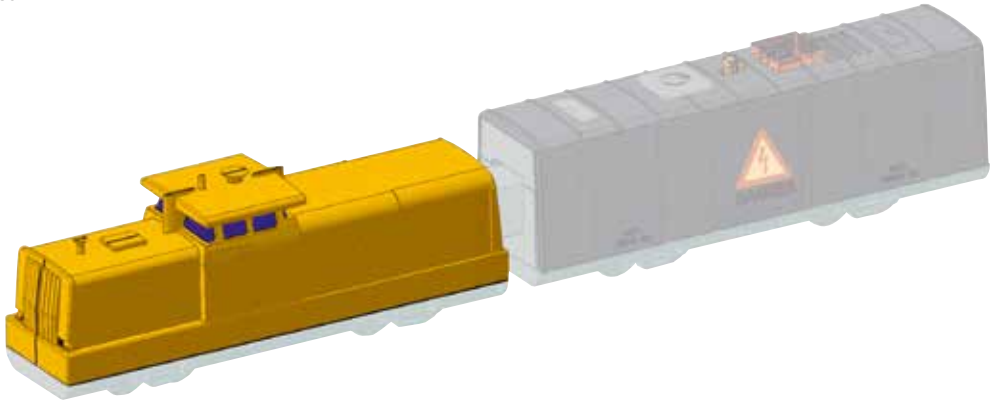


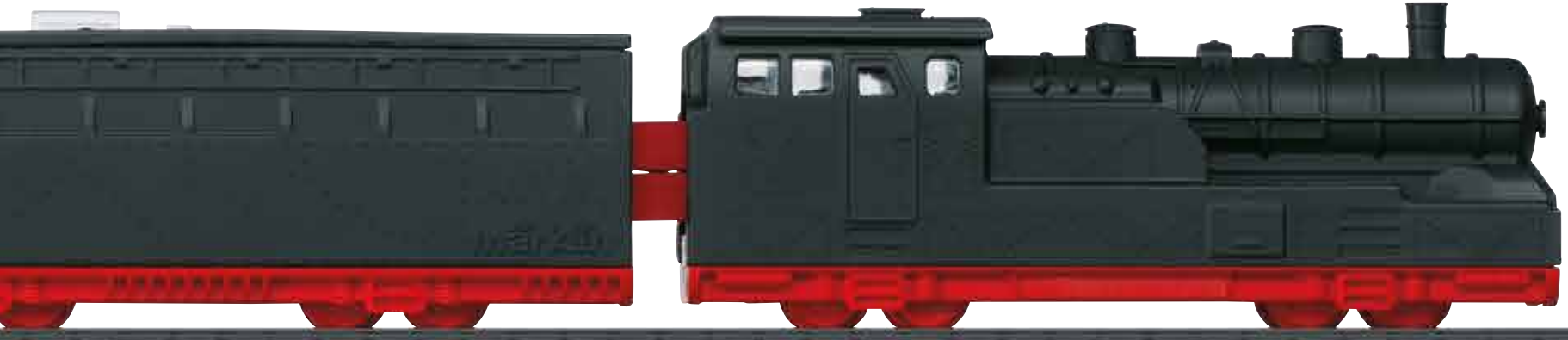
4x 2x

2x



1x





Battery Powered Locomotive

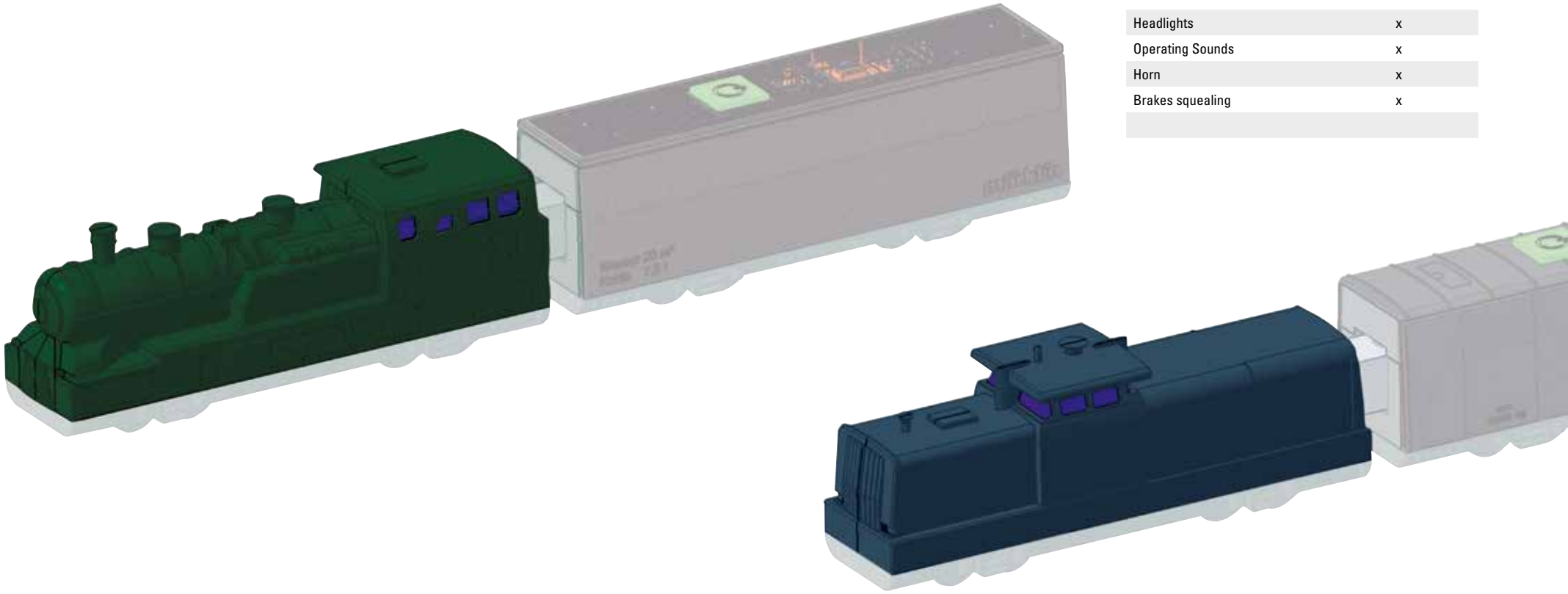
36270 Battery Powered Locomotive (Click and Mix). Child's locomotive with interchangeable bodies in a colorful design.
Model: The locomotive has a battery drive and a magnet coupler. It is a permanently coupled unit consisting of a locomotive and battery car chassis. The bodies for locomotives and battery cars included can be changed as desired with a simple snap-together arrangement. The locomotive has 3 speed levels forward and reverse, 3 sound functions, and a triple headlight.
Length of the unit 28 cm / 11".

- **Changing bodies easy as child's play with a snap-together arrangement.**
- **Battery operated locomotive with light and sound functions.**
- **Ideal for children ages 3 and up.**
- **Batteries included.**

Contents: There is a permanently coupled unit consisting of a locomotive and battery car chassis, a steam locomotive body with a coal tender attachment, a diesel locomotive body with a car body for a boxcar, an electric locomotive body with a container attachment, and an easy-to-use infrared controller. 4 each AA and 2 each AAA batteries are included. This locomotive can be operated with 2 different frequencies (E/F).

This locomotive goes well with the 29370 "Freight Train" starter set. Other Click and Mix items available under item numbers 44270, 44271, 44272, 44273, 44274, 44275, and 72205 can be added to this locomotive.

Functions	Battery train
Headlights	x
Operating Sounds	x
Horn	x
Brakes squealing	x

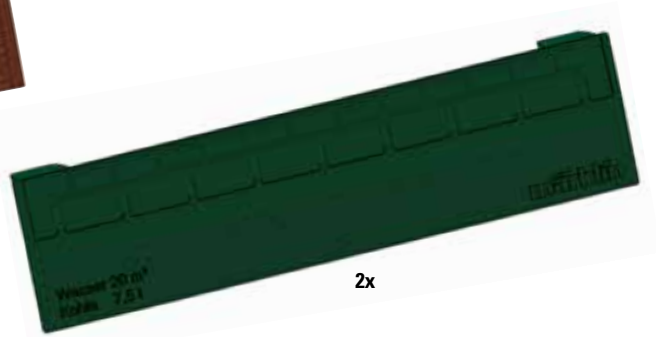


WARNING! Not suitable for children under 3 years. Sharp edges and points required for operation. Danger of choking due to detachable small parts that may be swallowed.

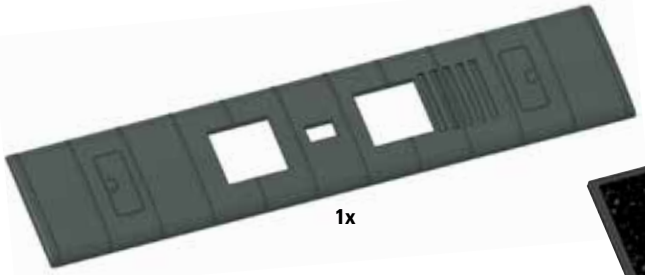
4x

2x

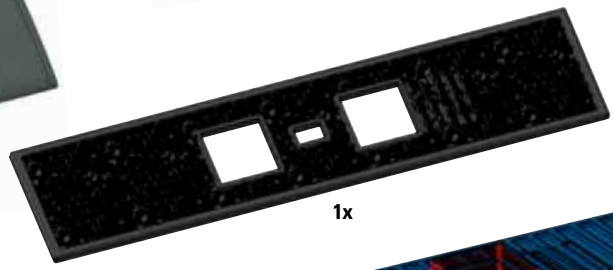
2x



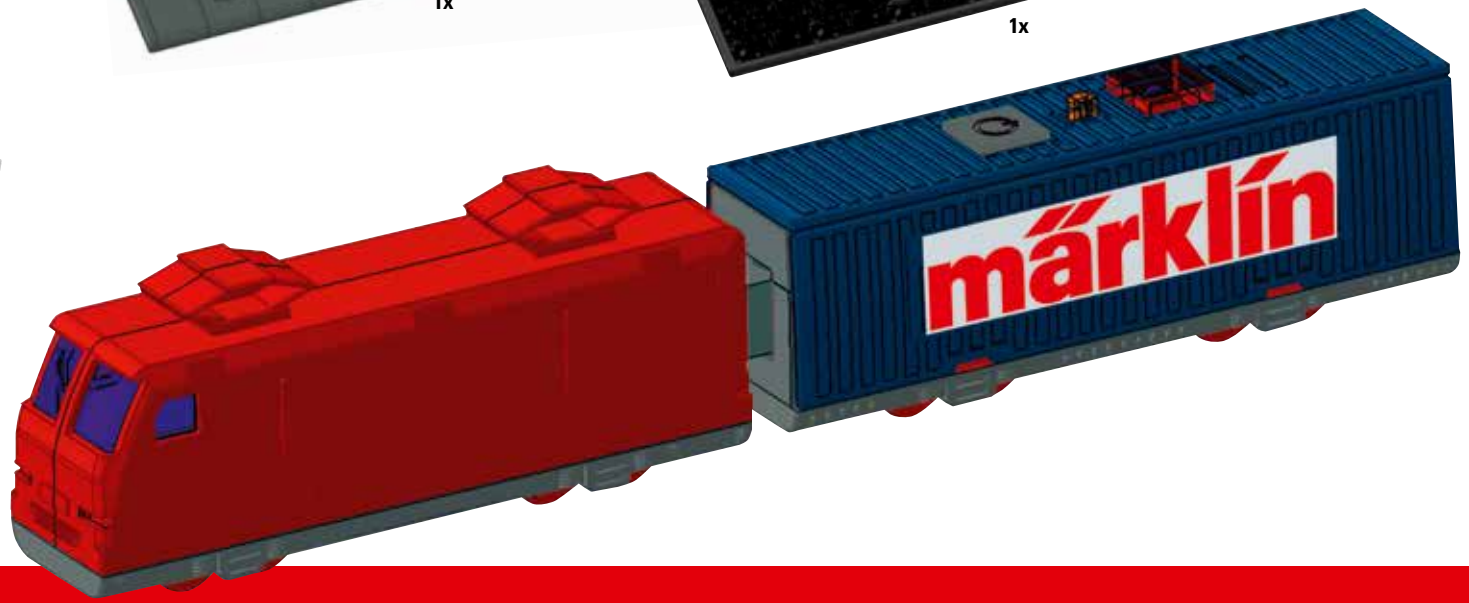
2x



1x



1x



Car Kits

44271 Stake Car (Click and Mix).
Stake car kit in a design for children.
Model: This is a car kit that can be put together with a few parts. The car has magnet couplers. The car is delivered in parts. The parts for this car can also be used with other kit cars.
Car length 12 cm / 4-3/4".

- **Maximum play fun with snap-together kits just right for children.**
- **Coupling cars easy as child's play with the use of magnet couplers.**

This stake car goes well with the 29370 "Freight Train" starter set. Other Click and Mix items are available under item numbers 36270, 44270, 44272, 44273, 44274, 44275, and 72205.

44272 Gondola (Click and Mix).
Gondola kit in a design for children.
Model: This is a car kit that can be put together with a few parts. The car has magnet couplers. The car is delivered in parts. The parts for this car can also be used with other kit cars.
Car length 12 cm / 4-3/4".

- **Maximum play fun with snap-together kits just right for children.**
- **Coupling cars easy as child's play with the use of magnet couplers.**

This gondola goes well with the 29370 "Freight Train" starter set. Other Click and Mix items are available under item numbers 36270, 44270, 44271, 44273, 44274, 44275, and 72205.

WARNING! Not suitable for children under 3 years. Sharp edges and points required for operation. Danger of choking due to detachable small parts that may be swallowed.

44273 Boxcar (Click and Mix).
Boxcar kit in a design for children.
Model: This is a car kit that can be put together with a few parts. The car has magnet couplers. The roof can be removed. The car is delivered in parts. The parts for this car can also be used with other kit cars.
Car length 12 cm / 4-3/4".

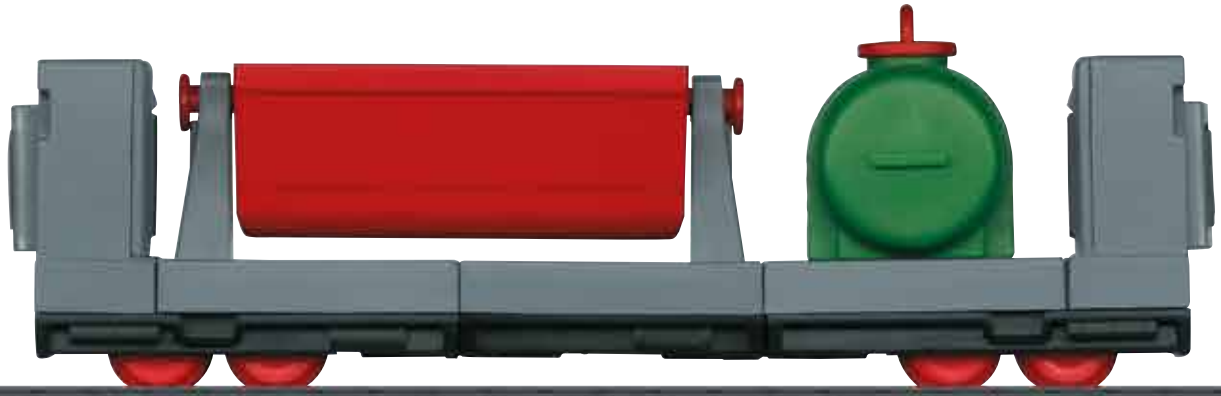
- **Maximum play fun with snap-together kits just right for children.**
- **Removable roof.**
- **Coupling cars easy as child's play with the use of magnet couplers.**

This boxcar goes well with the 29370 "Freight Train" starter set. Other Click and Mix items are available under item numbers 36270, 44270, 44271, 44272, 44274, 44275, and 72205.

44275 Four-Axle Low Side Car (Click and Mix).
Four-axle low side car with a dumping container and a regular container, as a kit in a design for children.
Model: This is a car kit that can be put together with a few parts. The car has magnet couplers. The dumping container can be tipped to both sides. The container can be removed from the car. The car is delivered in parts. The parts for this car can also be used with other kit cars.
Car length 16 cm / 6-5/16".

- **Maximum play fun with snap-together kits just right for children.**
- **Movable dumping container and a removable regular container.**
- **Coupling cars easy as child's play with the use of magnet couplers.**

This four-axle low side car goes well with the 29370 "Freight Train" starter set. Other Click and Mix items are available under item numbers 36270, 44270, 44271, 44272, 44273, 44274, and 72205.

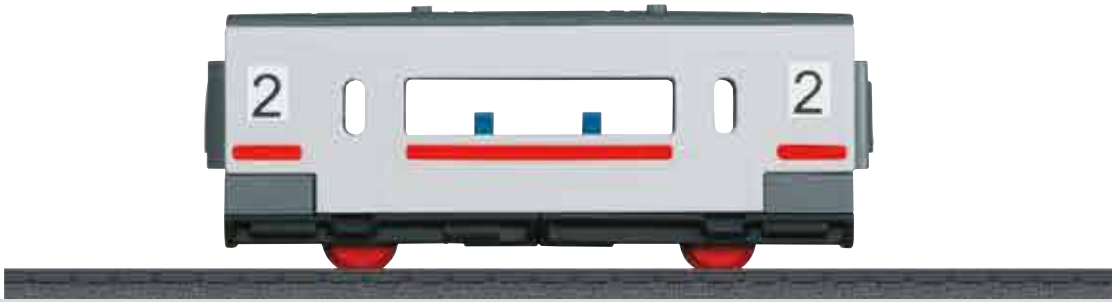


Car Kits

44274 Passenger Car (Click and Mix).
Passenger car kit in a design for children.
Model: This is a car kit that can be put together with a few parts. The car has magnet couplers. It also has an interior. The roof can be removed. The car is delivered in parts. The parts for this car can also be used with other kit cars.
Car length 12 cm / 4-3/4".

- **Maximum play fun with snap-together kits just right for children.**
- **Car includes an interior and a removable roof.**
- **Coupling cars easy as child's play with the use of magnet couplers.**

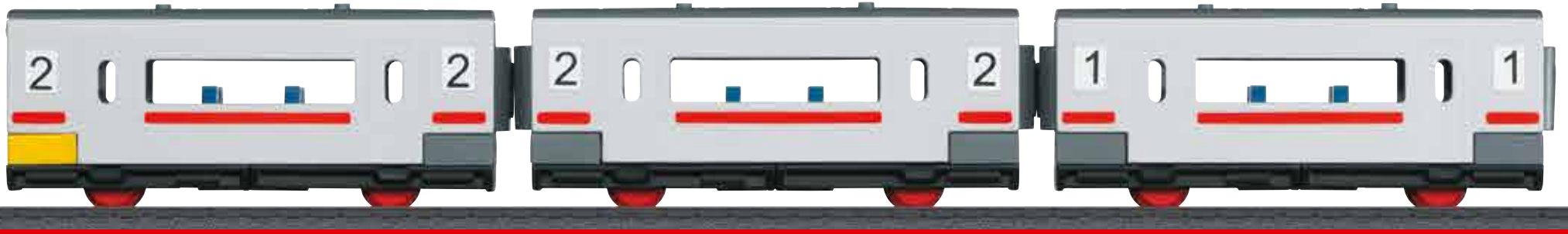
This passenger car goes well with the 29370 "Freight Train" starter set. Other Click and Mix items are available under item numbers 36270, 44270, 44271, 44272, 44273, 44275, and 72205.



44270 Passenger Car Set (Click and Mix).
Passenger car set consisting of 2 passenger car kits and a cab control car kit in a design for children.
Model: This set is 3 car kits that can be put together with a few parts. All of the cars have magnet couplers. The cars have interiors. The roofs can be removed. The cars are delivered in parts. The parts for these cars can also be used with other kit cars.
Total length for the cars 35.5 cm / 14".

- **Maximum play fun with snap-together kits just right for children.**
- **Cars include interiors and roofs that can be removed.**
- **Coupling cars easy as child's play with the use of magnet couplers.**

This passenger car set goes well with the 29370 "Freight Train" starter set. Other Click and Mix items are available under item numbers 36270, 44271, 44272, 44273, 44274, 44275, and 72205.



WARNING! Not suitable for children under 3 years. Sharp edges and points required for operation. Danger of choking due to detachable small parts that may be swallowed.

“Loading Station” Building Kit

72205 “Loading Station” Building Kit (Click and Mix).
Loading station with 3 different ways to load freight, as a building kit designed for children.
This building kit consists of a few parts that can be snapped together. The large tipping hopper can be tipped to both sides. The crane can be moved and has a magnet hook to lift different kinds of freight. The building kit also has a conveyor belt. All 3 modules can be set up individually or as the complete loading station. The building kit comes as individual parts. The parts for the loading station can also be used with other kit cars.

- **Maximum play fun with snap-together building kits designed for children.**
- **3 different ways to load freight that can also be set up individually.**
- **The ways to play with the loading station are designed to go best with the other kit items (Click and Mix).**

This loading station is the ideal add-on for the 29370 “Freight Train” starter set and the other Click and Mix items available under item numbers 36270, 44270, 44271, 44272, 44273, 44274, and 44275.

Starter Sets

29300 "ICE" Starter Set.
Prototype: High-speed train based on an ICE. Five-part train set.
Model: The train has a battery powered drive and magnet couplers between the individual cars. There is a permanently coupled unit consisting of a motorized diesel locomotive and a bi-level passenger car with a built-in battery holder. The train has 3 speed levels in both forward and reverse direction of travel, 3 sound functions, and triple headlights.
Train length 61 cm / 24-3/8".

- **Battery operated train with light and sound functions.**
- **Magnet couplers used to make coupling cars child's play.**
- **A very suitable toy for children ages 3 and above.**
- **Sturdy plastic track just right for children for fast setup and takedown – even on the floor.**
- **Batteries included.**

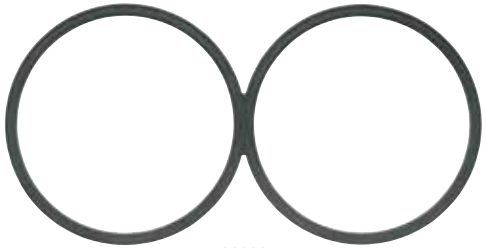
Contents: 22 sections of plastic curved track, 1 crossing, and an easy-to-use, wireless infrared controller. 4 each AA and 2 each AAA batteries included. The train can be operated with 2 different frequencies (A/B), thus allowing you to add a second battery train. This set can be expanded with the plastic track extension set 23300.

29209 "Regional Express" Starter Set.
Prototype: Passenger train based on a regional express. Five-part train set.
Model: The train has a battery powered drive and magnet couplers between the individual cars. There is a permanently coupled unit consisting of a motorized diesel locomotive and a bi-level passenger car with a built-in battery holder. The train has 3 speed levels in both forward and reverse direction of travel, 3 sound functions, and triple headlights.
Train length 61 cm / 24-3/8".

- **Battery operated train with light and sound functions.**
- **Magnet couplers used to make coupling cars child's play.**
- **A very suitable toy for children ages 3 and above.**
- **Sturdy plastic track just right for children for fast setup and takedown – even on the floor.**
- **Batteries included.**

Contents: 22 sections of plastic curved track, 1 crossing, and an easy-to-use, wireless infrared controller. 4 each AA and 2 each AAA batteries included. The train can be operated with 2 different frequencies (C/D), thus allowing you to add a second battery train. This set can be expanded with the plastic track extension set 23300.

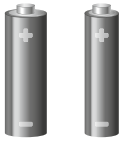
WARNING! Not suitable for children under 3 years. Sharp edges and points required for operation. Danger of choking due to detachable small parts that may be swallowed.



29300
150 x 76 cm / 59“ x 30“

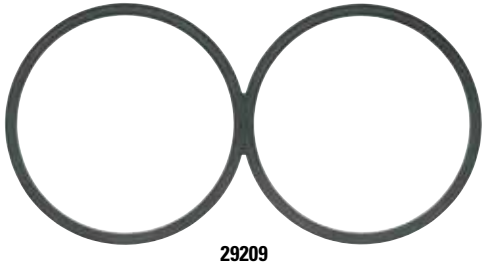
22x

1x



4x 2x

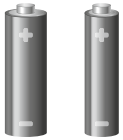
Functions	Battery train
Headlights	x
Station Announcements	x
Horn	x
Doors Closing	x



29209
150 x 76 cm / 59“ x 30“

22x

1x



4x 2x

Functions	Battery train
Headlights	x
Station Announcements	x
Horn	x
Doors Closing	x

New Tooling!

Starter Sets

29212 "TGV Duplex" Starter Set.
Prototype: High-speed train based on a TGV Duplex. Five-part train set.
Model: The train has a battery powered drive and magnet couplers between the individual cars. There is a permanently coupled unit consisting of a motorized end car and a bi-level passenger car with a built-in battery holder. The train has 3 speed levels in both forward and reverse direction of travel, 3 sound functions, and triple headlights.
Train length 63 cm / 24-13/16".

- **Battery operated train with light and sound functions.**
- **Magnet couplers used to make coupling cars child's play.**
- **A very suitable toy for children ages 3 and above.**
- **Sturdy plastic track just right for children for fast setup and takedown – even on the floor.**
- **Batteries included.**

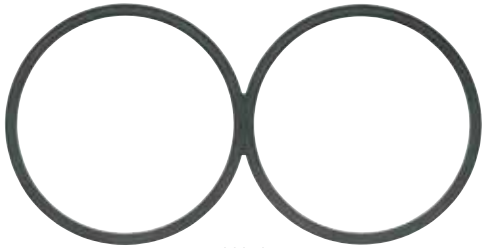
Contents: 22 sections of plastic curved track, 1 crossing, and an easy-to-use, wireless infrared controller. 4 each AA and 2 each AAA batteries included. The train can be operated with 2 different frequencies (C/D), thus allowing you to add a second battery train. This set can be expanded with the plastic track extension set 23300.

29303 "ICN" Starter Set.
Prototype: High-speed train based on an ICN. Five-part train set.
Model: The train has a battery powered drive and magnet couplers between the individual cars. There is a permanently coupled unit consisting of a motorized diesel locomotive and a bi-level passenger car with a built-in battery holder. The train has 3 speed levels in both forward and reverse direction of travel, 3 sound functions, and triple headlights.
Train length 61 cm / 24-3/8".

- **Battery operated train with light and sound functions.**
- **Magnet couplers used to make coupling cars child's play.**
- **A very suitable toy for children ages 3 and above.**
- **Sturdy plastic track just right for children for fast setup and takedown – even on the floor.**
- **Batteries included.**

Contents: 22 sections of plastic curved track, 1 crossing, and an easy-to-use, wireless infrared controller. 4 each AA and 2 each AAA batteries included. The train can be operated with 2 different frequencies (C/D), thus allowing you to add a second battery train. This set can be expanded with the plastic track extension set 23300.

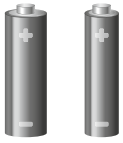
WARNING! Not suitable for children under 3 years. Sharp edges and points required for operation. Danger of choking due to detachable small parts that may be swallowed.



29212
150 x 76 cm / 59“ x 30“

22x

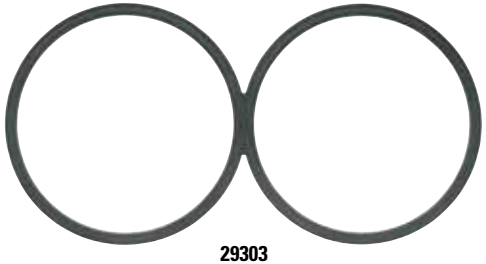
1x



4x 2x

Functions	Battery train
Headlights	x
Station Announcements FR	x
Horn	x
Doors Closing	x

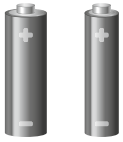
New Tooling!



29303
150 x 76 cm / 59“ x 30“

22x

1x



4x 2x

Functions	Battery train
Headlights	x
Station Announcements	x
Horn	x
Doors Closing	x

Eurostar

29208 "Eurostar" Starter Set (Battery).
Prototype: Five-part train set.
Model: The train has a battery powered drive and magnet couplers between the individual cars. There is a permanently coupled unit consisting of a motorized end car and a passenger car with a built-in battery holder. The train has 3 speed levels in both forward and reverse direction of travel, 3 sound functions, and triple headlights.
Train length 63 cm / 24-13/16".

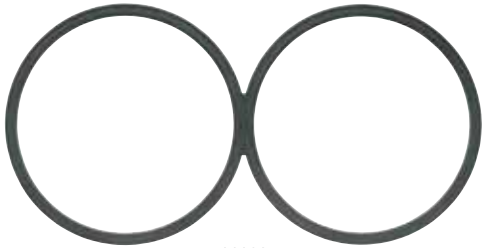
- **Battery operated train with light and sound functions.**
- **Magnet couplers used to make coupling cars child's play.**
- **A very suitable toy for children ages 3 and above.**
- **Sturdy plastic track just right for children for fast setup and takedown – even on the floor.**
- **Batteries included.**

Contents: 22 sections of plastic curved track, 1 crossing, and an easy-to-use, wireless infrared controller. 4 each AA and 2 each AAA batteries included. The train can be operated with 2 different frequencies (A/B), thus allowing you to add a second battery train. This set can be expanded with the plastic track extension set.

44107 Adapter Car.
Prototype: Gondola in a colorful paint scheme.
Model: The car has a magnet and a Relex coupler, for coupling cars from the Märklin my world assortment and cars from the model railroad area.
Car length 11.2 cm / 4-3/8".

- **This car allows you to have fun in both assortments.**

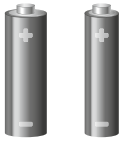
WARNING! Not suitable for children under 3 years. Sharp edges and points required for operation. Danger of choking due to detachable small parts that may be swallowed.



29208
150 x 76 cm / 59“ x 30“

22x

1x



4x 2x

Functions	Battery train
Headlights	x
Station Announcements – FR	x
Horn	x
Station Announcements – EN	x

23300 Plastic Track Extension Set.
Contents: 4 sections of straight track (length: 188.3 mm / 7-3/8“), 7 sections of straight track (length: 171.7 mm / 6-3/4“), 2 sections of curved track (turnout curves), 1 left turnout and 1 right turnout made of sturdy plastic just right for children. Instructions with different setup possibilities are included.

Ideal expansion of the Märklin my world starter sets to include either a passing siding or storage sidings.

4x 7x 2x 1x 1x

Märklin Start up – The Perfect Entry into the World of Model Railroading

HO

Any railroad fans looking for an easy entry into the world of electrically operated model trains are right on track with Märklin Start up. In the future, all Märklin products aimed at schoolchildren or returning model train fans will be brought together under this new assortment designation. These items enable a simple, uncomplicated start, but at the same time, they are also the foundation for a seamless transfer to the Märklin products for experienced model railroaders.

- The perfect entry or reentry into the world of Märklin
- Proven Märklin technology, a new type of play experience
- Exciting theme worlds
- Multi-faceted possibilities for expansion
- The high quality C Track system that can also be used by experienced model railroaders
- The locomotives and cars are compatible with the Märklin models for experienced model railroaders

Plug & Play is of course not an empty promise here. Märklin Start up always offers exactly the right product, based on the sturdy C Track system, for beginners and those individuals advancing up in the world of model railroading. These track sections with the proven click connection guarantee easy, fast setup and are naturally compatible with the entire Märklin H0 assortment.
The multi-faceted possibilities for expansion provide attractive ideas for all model railroaders wanting to expand their layouts. Exciting theme worlds round out the products offered.

Märklin Start up: full speed ahead for schoolchildren, beginners, and returning model train fans of any age!

“Construction Site” Starter Set

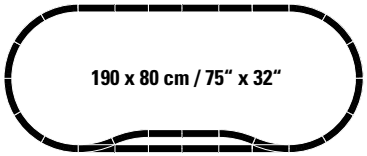
29183 “Construction Site” Starter Set. 230 Volts.
Prototype: Type DHG 500 industrial diesel locomotive. Krupp-Ardelt crane car with a boom support car. Low side car to transport a power shovel.
Model: The locomotive has a digital decoder and a special motor. 1 axle powered. Traction tires. The locomotive has triple headlights that change with the direction of travel, will work in conventional operation, and can be controlled digitally. The crane car has a cab that can be rotated, a boom that can be moved, and a hand crank for the crane line. The boom car has a support for the boom. The low side car has a metal model of a power shovel. All of the cars have Relex couplers.
Train length 48 cm / 18-7/8“.

- **Construction train with a locomotive, crane car, and a removable power shovel.**
- **Freedom of movement around the layout with the wireless IR controller.**

Contents: 12 no. 24130 curved track, 4 no. 24188 straight track, 1 base station, 7 no. 24172 straight track, 2 no. 24224 curved track, 1 no. 24612 right turnout and 1 no. 24611 left turnout. Switched mode power pack and a wireless infrared controller. This set can be expanded with the C Track extension sets and with the entire C Track program. The 74492 turnout mechanism can be installed in the turnouts.

The 78083 theme extension set is ideal as a realistic add-on to this set.

Digital Functions	Control Unit	Mobile Station	Mobile Station 2	Central Station
Headlight(s)	x	x	x	x
Direct control	x	x	x	x



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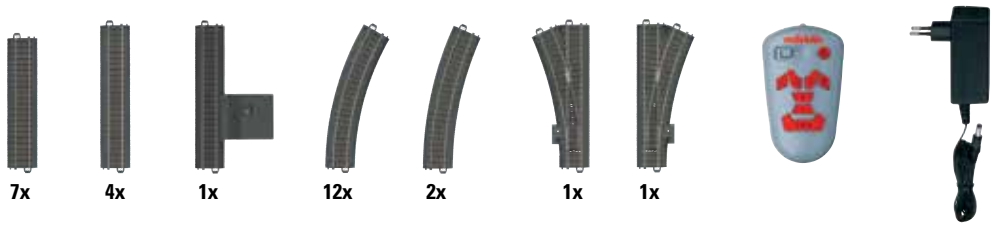

7x 4x 1x 12x 2x 1x 1x

WARNING! Not suitable for children under 3 years. Sharp edges and points required for operation. Danger of choking due to detachable small parts that may be swallowed.

“Construction Site” Theme Extension Set

78083 “Construction Site” Theme Extension Set.
Prototype: Low side car, boxcar, and dump car painted and lettered for a construction train. Modern design construction vehicle.
Model: All of the cars have Relex couplers.
Length of the freight car set 34.5 cm / 13-9/16“.

- **Track for expanding a C Track layout.**
- **A variety of ways to play with the inclusion of the construction vehicle and load.**

Contents: 5 no. 24188 straight track, 4 no. 24172 straight track, 1 no. 24224 curved track, 1 no. 24612 right turnout, and 1 no. 24977 track bumper. The construction vehicle is made of metal. “Gravel“ freight load included.

An extension set that goes well with the 29183 “Construction Site” starter set.

78083

4x **5x** **1x** **1x** **1x**

ICE 2

36712 ICE 2 High-Speed Train.
Prototype: German Railroad, Inc. (DB AG) class 402 InterCity Express. Four-part train: powered end car, open seating car, 1st class, Bord Restaurant dining car, and cab control car, 2nd class.

Model: The powered end car has a digital decoder and factory-installed sound functions that can be controlled. It also has a special motor. 2 axles powered. Traction tires. The headlights will work in conventional operation and can be controlled digitally in the powered end car (always on in the cab control car). The pantographs can be raised and lowered but are not wired to take power from catenary.
Train length 102.7 cm / 40-7/16".

- **Sound: horn and station announcement.**

24900 C1 C Track Extension Set.
Contents: 2 no. 24172 straight track, 1 no. 24224 curved track, 1 no. 24611 left turnout, 1 no. 24977 track bumper, and instructions.

For adding a storage siding to the C Track starter sets.

WARNING! Not suitable for children under 3 years. Sharp edges and points required for operation. Danger of choking due to detachable small parts that may be swallowed.

Digital Functions	Control Unit	Mobile Station	Mobile Station 2	Central Station
Headlight(s)	x	x	x	x
Horn	x	x	x	x
Station Announcements	x	x	x	x
Direct control	x	x	x	x

44210 Refrigerator Car.
Prototype: Privately owned car painted and lettered for the firm Griesson – de Beukelaer GmbH & Co. KG, Polch, Germany.
Model: The car has Relex couplers.
Length over the buffers 11.5 cm / 4-1/2".
DC wheel set 2 x 700580.

Märklin H0 – The Original

In the New Year, we will be enriching the large Märklin H0 assortment with new tooling for all sorts of motive power. We would like to present the top new items for 2014 in order to increase the anticipation:
One of the treasures in H0 Gauge is the VT 95.9 rail bus. This rail bus is similar to a street bus and starting in 1950, it continuously replaced steam locomotives on branch lines, since railroad operations on these lines could only be maintained with the economical operation provided by these units. The first production series in the original crimson paint scheme as the units looked around 1952/1953 is being presented by Märklin under item number 39950.
The class 41 steam freight locomotive with a tender in the older design version features especially detailed metal construction. The class 41 was taken into the German State Railroad's standard design locomotive program in 1934 for use as a new, fast freight locomotive. In addition to the classic freight service, this locomotive was also used for the fast livestock transport, which gave it the name "Ochsenlok" / "Ox Locomotive".
Of course, we have a completely new piece of tooling in the new items program in 2014 for our Insiders: the German Federal Railroad class E 93 heavy electric freight locomotive. Equipped with the new mfx+ digital decoder as well as many sound and light functions and controlled high-efficiency propulsion with a flywheel, this electric locomotive will surely be a star on your layout. As promised at the beginning, there are all sorts of motive power again among the new pieces of tooling. After powered rail cars, steam locomotives, and electric locomotives, the diesel locomotive is still missing of course. This is being presented by the NOHAB locomotive. These diesel locomotives known as the "Round Noses", "Potato Beetles", or also as the "Bulldogs" are being realized as models by five different Märklin H0 new items in versions for different countries. In 2013, Märklin introduced the world of operation with the new mfx+ decoders in order to increase your operating enjoyment with a still more realistic locomotive operating experience.
We are happy to report that we have developed additional innovations for this year: The mfx+ functions can now be seen on the model: The class 01 express steam locomotive with a tender (item number 39008) has a mechanism in the tender that lowers the coal load in order to show the coal usage from mfx+ operation.
Model railroading is becoming "alive" in the truest sense of the word. Built-in displays in the area of the doors on the powered rail car allow you to have your passengers virtually getting on and off at the station after the door opens. Get ready to be surprised on page 114!

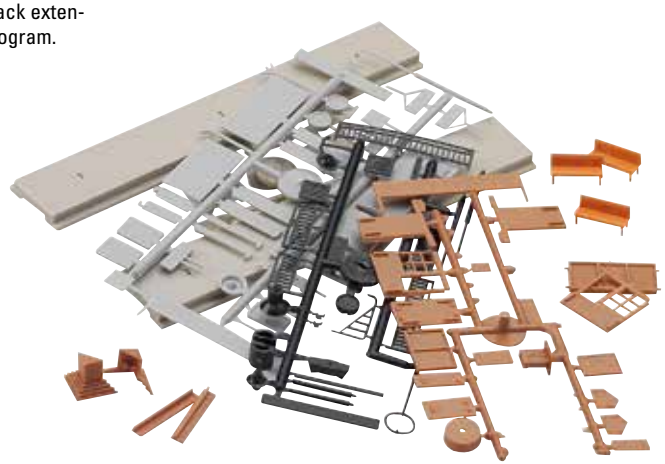
“German Federal Railroad Main Line Service” Digital Starter Set

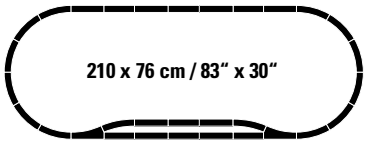
29711 “German Federal Railroad Main Line Service” Digital Starter Set. 230 Volts.
Prototype: German Federal Railroad (DB) class V 80 diesel locomotive and 4 different freight cars. The train looks as it did around 1967/68.
Model: The locomotive has a digital decoder and a special motor with a flywheel. 4 axles powered. Traction tires. The locomotive has triple headlights that change over with the direction of travel, will work in conventional operation, and can be controlled digitally. Maintenance-free LEDs are used for the lighting. The train has 1 type X 05 low side car, loaded with a contemporary model of a vehicle. The train has 1 type Om 12 gondola, 1 tank car painted and lettered for VTG, and 1 type Pwgs 41 freight train baggage car. All of the cars have close couplers with guide mechanisms. A plastic kit is also included.
Train length 61.0 cm / 24“.

- **Mobile Station including a pre-programmed locomotive card.**
- **Plastic kit included.**
- **Typical Era III train consist.**

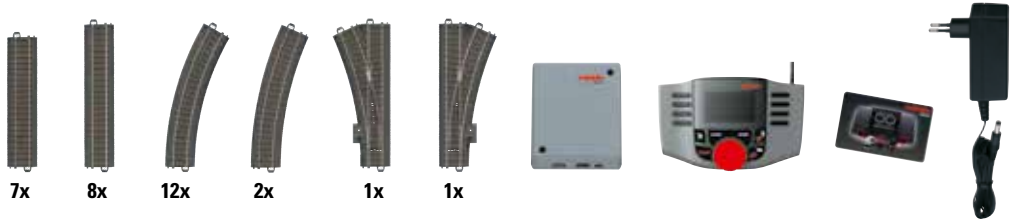
Contents: 12 no. 24130 curved track, 8 no. 24188 straight track, 7 no. 24172 straight track, 2 no. 24224 curved track, and 1 pair of no. 24612 and no. 24611 turnouts. Track connector box, switched mode power pack rated at 230 volts / 36 VA, and a Mobile Station with a locomotive card are included. An illustrated instruction book with many tips and ideas is included with the set. This set can be expanded with the C Track extension sets and with the entire C Track program.

Digital Functions	Control Unit	Mobile Station	Mobile Station 2	Central Station
Headlight(s)	x	x	x	x
Direct control	x	x	x	x





29711



“Era IV” Digital Mega Starter Set

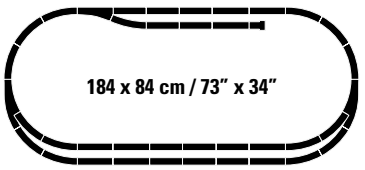
29043 “Era IV” Digital Mega Starter Set. 230 Volts.
Prototype: German Federal Railroad (DB) passenger train and freight train. Class 043 steam locomotive with an oil tender and a class 218 diesel locomotive. One type Aüm 203 passenger car, 1st class, and 2 type Büm 234 passenger cars, 2nd class. 4 VTG light weight standard design tank cars.
Model: Both locomotives have mfx digital decoders, controlled high-efficiency propulsion, and extensive sound functions. The steam locomotive has an articulated frame to enable it to negotiate sharp curves. It has 5 axles powered. Traction tires. A 7226 smoke unit can be installed in the locomotive. The steam locomotive has triple headlights that change with the direction of travel, will work in conventional operation, and can be controlled digitally. The diesel locomotive has 4 axles powered. Traction tires. It has a centrally mounted compact design motor. The diesel locomotive has triple headlights and 2 red marker lights that change with the direction of travel, will work in conventional operation, and can be controlled digitally.
Total length of the freight train with the class 043: 83.0 cm / 32-11/16“.
Total length of the passenger train with the class 218: 103.5 cm / 40-3/4”.

- **A complete digital railroad: 2 complete trains, Central Station, and a large C Track layout.**

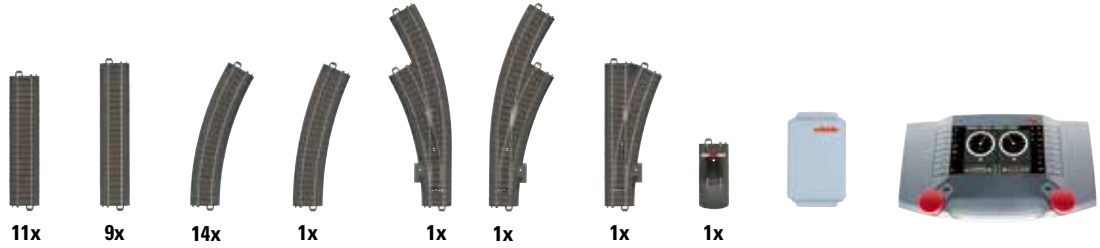
Contents: The set has a large C Track layout with 3 turnouts. It also has a Central Station. The set has a 60 VA switched mode power pack to provide power to the Central Station and to accessories. Hardware material for connections is included. Extensive setup and operating instructions are also included.

One-time series.

This set can be expanded with the C Track extension sets and with the entire C Track program. The 74491 turnout mechanism and the 74461 decoder can be installed in the turnouts.



29043



Digital Functions Class 043	Control Unit	Mobile Station	Mobile Station 2	Central Station
Headlight(s)	x	x	x	x
Smoke generator contact	x	x	x	x
Steam locomotive op. sounds	x	x	x	x
Locomotive whistle	x	x	x	x
Direct control	x	x	x	x
Sound of squealing brakes off		x	x	x
Letting off Steam		x	x	x
Whistle for switching maneuver		x	x	x
Air Pump		x	x	x

Digital Functions Class 218	Control Unit	Mobile Station	Mobile Station 2	Central Station
Headlight(s)	x	x	x	x
Diesel locomotive op. sounds	x	x	x	x
Horn	x	x	x	x
Direct control	x	x	x	x
Sound of squealing brakes off		x	x	x
Headlight(s): Cab2 End		x	x	x
Station Announcements		x	x	x
Station Announcements		x	x	x
Headlight(s): Cab1 End		x	x	x
Conductor's Whistle		x	x	x
Rail Joints		x	x	x

Class K Freight Steam Locomotive

37048 Steam Locomotive.
Prototype: Württemberg State Railways (K.W.St.E.) class K freight steam locomotive. The locomotive looks as it did around 1918.
Model: The locomotive has an mfx digital decoder and extensive sound functions. It also has controlled high-efficiency propulsion. The frame is designed to negotiate sharp curves and has side axle play. 6 axles powered. Traction tires. The 7226 smoke unit can be installed in the locomotive. The dual headlights change over with the direction of travel. They and the smoke unit that can be installed in the locomotive will work in conventional operation and can be controlled digitally. Maintenance-free warm white LEDs are used for the headlights. There is an adjustable close coupling between the locomotive and the tender.
Length over the buffers 23.5 cm / 9-1/4".

One-time series.

Digital Functions	Control Unit	Mobile Station	Mobile Station 2	Central Station
Headlight(s)	x	x	x	x
Smoke generator contact	x	x	x	x
Steam locomotive op. sounds	x	x	x	x
Locomotive whistle	x	x	x	x
Direct control		x	x	x
Sound of squealing brakes off		x	x	x
Air Pump		x	x	x
Whistle for switching maneuver		x	x	x
Sound of coal being shoveled			x	x
Injectors			x	x
Letting off Steam			x	x
Grate Shaken			x	x

46086 37048

Freight Car Set

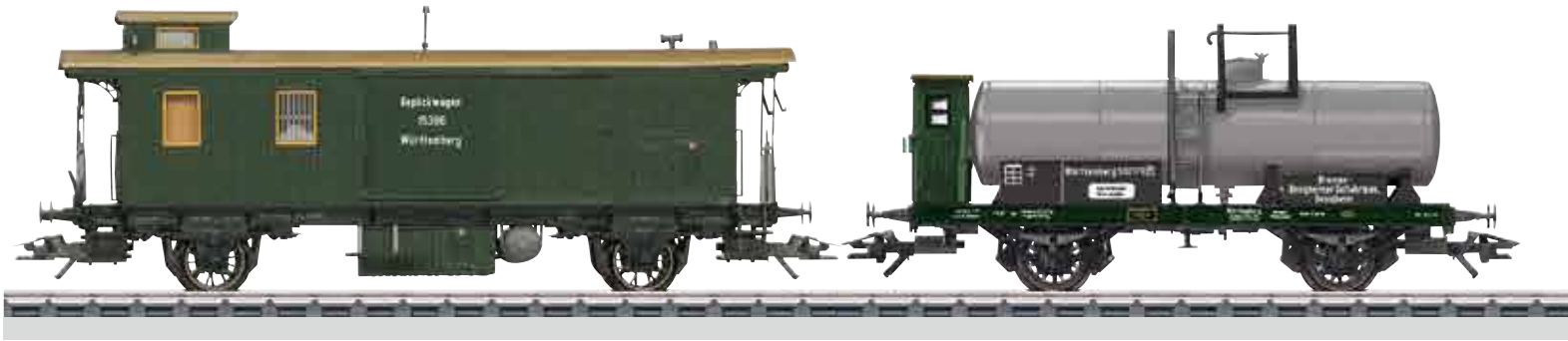
märklin HO

NEM | I | 15 +

46086 Freight Car Set.
Prototype: One type Gep baggage car with a service area and a pet compartment, one tank car with a brakeman's cab, one type Omk[u] association design gondola without a brakeman's cab, one wine barrel car with a brakeman's cab, one type Gml boxcar with a brakeman's cab, one type Omk[u] association design gondola with a brakeman's cab, and a type VOmz[u] high side gondola for large livestock. The cars look as they did around 1918.
Model: The two type Omk[u] gondolas are loaded with scale-sized coal. All of the cars have different car numbers.
Total length over the buffers approximately 74.2 cm / 29-1/4".
DC wheel set for cars 1, 4, and 5: 700630.
DC wheel set for cars 2 and 7: 36669200.
DC wheel set for cars 3 and 6: 700580.

One-time series.

A locomotive to go with these cars can be found under item number 37048.



“Borsig” Collector Edition

37545 Steam Freight Locomotive with a Tender.
Prototype: Royal Prussian Railroad Administration (KPEV) class G 8.1 steam freight locomotive, with a type 3 T 16,5 box-style tender. The locomotive looks as it did shortly after being delivered by Borsig in 1917. Locomotive number 9.936 in the delivery book of A. Borsig-Werke, Berlin-Tegel, Germany.
Model: The locomotive has an mfx digital decoder, controlled high-efficiency propulsion, and extensive sound functions. 4 axles powered. Traction tires. The locomotive and tender are constructed mostly of metal.

The 7226 smoke unit can be installed in the locomotive. The dual headlights change over with the direction of travel. They and the smoke unit that can be installed in the locomotive will work in conventional operation and can be controlled digitally. Maintenance-free warm white LEDs are used for the lighting. The engineer’s cab has interior details. There is a permanent close coupling between the locomotive and tender. Protective sleeves for the piston rods, brake hoses, and prototype couplers are included.
Length over the buffers 21.0 cm / 8-1/4“.

A suitable collector’s display case is included and is constructed of wood and glass with a backdrop relief of the characteristic Borsig gate of the Borsig locomotive works in Berlin-Tegel. There is an engraved metal plate with the builder number on the display case base. A high quality excerpt from the delivery book is included.

- **“Borsig Edition 3”.**
- **Suitable collector’s display case with a relief background for every model in the edition.**
- **Controlled high-efficiency propulsion and extensive sound functions.**
- **Excerpt from the Borsig delivery book included.**

One-time series (model 3 of 5).

Borsig – Pioneer Locomotive Builder of Europe.

When August Borsig opened his machinery building and iron casting company in 1837 in Berlin, probably no one suspected that out of it would come one of the largest locomotive builders in the world. As early as 1841 August Borsig built the locomotive BORSIG with the builder number 1 after painstaking investigation into the typical English and American locomotive types for that time. This locomotive impressed people with an improved valve gear and axle system and on July 21, 1841 won a contest against an English locomotive with a 10 minute head start. From this day the victorious path of Borsig locomotive building began that did not end until 1954 after more than 16,000 finished locomotives. During the era of steam locomotive building Borsig evolved all over Europe into the greatest and second largest locomotive builder worldwide. In honor of the 175th anniversary of the firm Borsig Märklin is issuing a five-part special series of sought after H0 models, which will end in 2016 on the 175th anniversary of steam locomotive building in Germany. Every year a locomotive with exquisite detailing and technically premium features will be issued as a one-time series. Each of these models will be delivered with a decorative display case whose backdrop will be designed with a high quality relief of the characteristic Borsig gate. In addition to the relief, the display case will be provided with an engraved metal plate showing the builder number from the delivery book. Each locomotive will also include an excerpt from the Borsig delivery book printed on high quality paper to round out this theme.

Digital Functions	Control Unit	Mobile Station	Mobile Station 2	Central Station
Headlight(s)	x	x	x	x
Smoke generator contact	x	x	x	x
Steam locomotive op. sounds	x	x	x	x
Locomotive whistle	x	x	x	x
Direct control	x	x	x	x
Sound of squealing brakes off		x	x	x
Air Pump		x	x	x
Whistle for switching maneuver		x	x	x
Letting off Steam		x	x	x
Sound of coal being shoveled			x	x
Grate Shaken			x	x

Class P8 Steam Locomotive

37028 Steam Locomotive.
Prototype: Royal Prussian Railroad Management (KPEV) class P8. The locomotive looks as it originally did with a box-style tender.
Model: The locomotive has an mfx digital decoder and extensive sound functions. It also has controlled high-efficiency propulsion. 3 axles powered. Traction tires. The dual headlights change over with the direction of travel, will work in conventional operation and can be controlled digitally. A 72270 smoke generator can be installed in the locomotive. The model is finely constructed with numerous details typical of the era and a detailed engineer's cab.
Length over the buffers 21.8 cm / 8-9/16".

One-time series.

A set of passenger cars to go with this locomotive can be found in the Märklin H0 assortment under item number 42041.

Digital Functions	Control Unit	Mobile Station	Mobile Station 2	Central Station
Headlight(s)	x	x	x	x
Smoke generator contact	x	x	x	x
Steam locomotive op. sounds	x	x	x	x
Locomotive whistle	x	x	x	x
Direct control	x	x	x	x
Sound of squealing brakes off		x	x	x
Whistle for switching maneuver		x	x	x
Sound of coal being shoveled		x	x	x
Letting off Steam			x	x
Air Pump			x	x
Grate Shaken			x	x

42041 37028

Class P10 Steam Passenger Locomotive

märklin HO

37939 Steam Passenger Locomotive with a Tender.
Prototype: German State Railroad Company (DRG) version of the Prussian class P10 steam passenger locomotive. Version without smoke deflectors and with a Prussian type 2´2´T 31,5 tender without additional coal bunker boards.
Model: The locomotive has an mfx digital decoder and extensive sound functions. It also has controlled high-efficiency propulsion. 4 axles powered. Traction tires. The locomotive and tender are constructed mostly of metal. The 72270 smoke unit can be installed in the locomotive. The dual headlights change over with the direction of travel. They and the smoke unit that can be installed in the locomotive will work in conventional operation and can be controlled digitally. Maintenance-free warm white LEDs are used for the lighting. There is an adjustable close coupling with a guide mechanism between the locomotive and tender. There is a close coupler with an NEM pocket and guide mechanism on the rear of the tender. Protective sleeves for the piston rods are included as detail parts.
Length over the buffers 26.3 cm / 10-3/8".

One-time series.

A passenger car set to go with this locomotive is available under item number 42767.

Digital Functions	Control Unit	Mobile Station	Mobile Station 2	Central Station
Headlight(s)	x	x	x	x
Smoke generator contact	x	x	x	x
Steam locomotive op. sounds	x	x	x	x
Locomotive whistle	x	x	x	x
Direct control	x	x	x	x
Air Pump		x	x	x
Whistle for switching maneuver		x	x	x
Letting off Steam		x	x	x
Sound of squealing brakes off			x	x
Sound of coal being shoveled			x	x
Grate Shaken			x	x

42767 37939

Express Train Passenger Car Set

42767 Express Train Passenger Car Set.
Prototype: 5 different German State Railroad Company (DRG) express train passenger cars. 1 type PPü standard design “Hecht” baggage car, 1 type ABBü Bavarian design coach, 1st/2nd class, 1 type WR4ü MITROPA dining car, 1 type AAü Sitzwagen standard design “Hecht” coach, 1st class, and 1 type WL4ü Pr MITROPA salon sleeping car. The cars look as they did around 1924.
Model: The models are highly detailed. All of the cars have interior details and close couplers with guide mechanisms.
Total length over the buffers 120.4 cm / 47-3/8“.

- **Train consist for an historic deluxe train around 1924.**
- **Highly detailed models.**

One-time series.

The motive power to go with this train is the P 10 passenger locomotive with a tender that is available in the Märklin H0 assortment under item number 37939.

42767 37939

Electric Powered Rail Car Train

Powered Rail Car Train Pioneer.

In 1914, the KPEV purchased a total of 6 three-unit powered rail car trains for the route in Silesia between Nieder Salzbrunn and Halbstadt with its many grades. These 6 trains were acquired to better manage the constantly increasing passenger volumes in this region. These rail car trains were initially designated as the E.T. 501-506, and they had a visually striking design that was based in part on the express train passenger cars commonly in use at that time with their clerestories, truss rods, and inset doors. The paint scheme in green/beige followed KPEV practice. The motor car located between the two cab control cars ensured good running characteristics on routes with curves. Since the passenger volumes into what was now Czechoslovakian Halbstadt almost died off after World War I, these rail car trains were used on other routes. These trains were subsequently taken into the DRG roster and painted in the cream/red scheme for powered rail cars at that time. After World War II, three of these trains came to Bavaria and were used there until 1959. The long years of service are proof of the successful and durable design from the pioneer days of rail car trains.

37287 Electric Powered Rail Car Train.

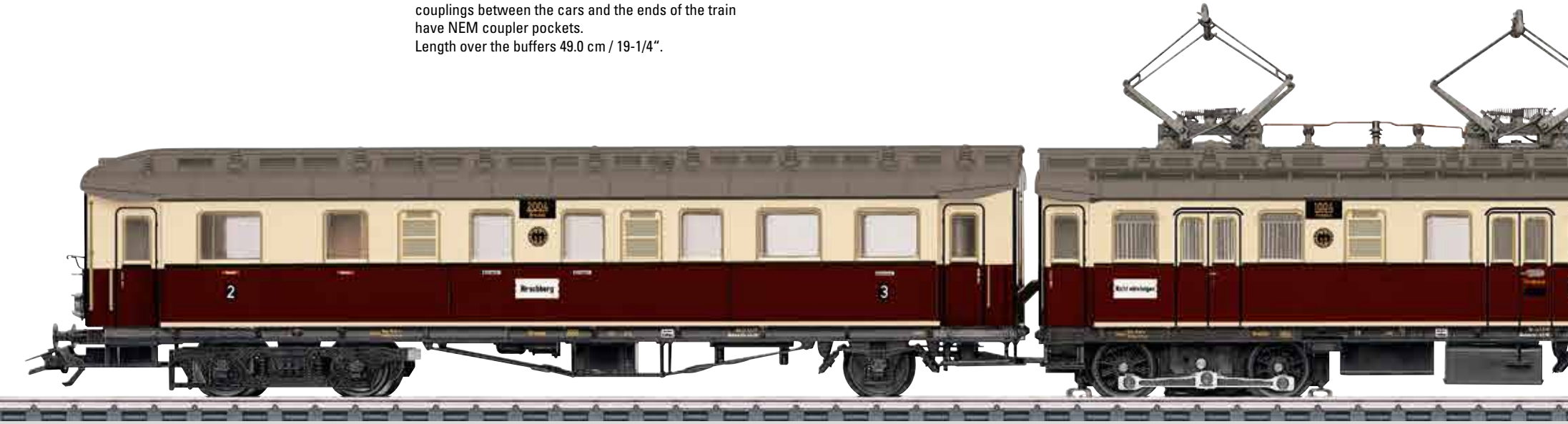
One-time series.

Prototype: German State Railroad Company (DRG) class elT Breslau 1004 (later the class ET 87) electric powered rail car train, wheel arrangement 2'1 + B'1 + 1 2'. Consisting of a type BC3ielS Breslau 2004 (later type ES 87 03a) control car "a" (with 1st and 2nd class), a type PwPost3ielT Breslau 1004 (later type ET 87 03) power car (with baggage and mail compartments), and a type CC3itrelS Breslau 2014 (later type ES 87 03b) control car "b" (with 3rd class compartments and baggage compartment). Authentic paint scheme for Era II. The train looks as it did around 1937.

Model: The train has an mfx digital decoder and extensive sound functions. It also has controlled high-efficiency propulsion and a prototypically powered center unit. 2 axles powered. Traction tires. The dual headlights change over with the direction of travel. Maintenance-free LEDs are used for the interior lighting. The headlights and interior lighting will work in conventional operation and can be controlled digitally. The passenger areas of the train have interior details. There is an open view in the engineer's cabs. The train has special close couplings between the cars and the ends of the train have NEM coupler pockets.

Length over the buffers 49.0 cm / 19-1/4".

Digital Functions	Control Unit	Mobile Station	Mobile Station 2	Central Station
Headlight(s)	x	x	x	x
Interior lights	x	x	x	x
Electric locomotive op. sounds	x	x	x	x
Locomotive whistle	x	x	x	x
Direct control	x	x	x	x
Sound of squealing brakes off		x	x	x
Blower motors		x	x	x
Conductor's Whistle		x	x	x
Bell		x	x	x
Pantograph Sounds			x	x



Class 73 Tank Locomotive

märklin HO

37138 Tank Locomotive.
Prototype: German State Railroad Company (DRG) class 73 (former D XII) tank locomotive. Road number 73 085. The locomotive looks as it did in the Twenties.
Model: The locomotive has an mfx digital decoder. It also has controlled high-efficiency propulsion with a flywheel in the boiler. 2 axles powered. Traction tires. The dual headlights change over with the direction of travel, will work in conventional operation, and can be controlled digitally. Maintenance-free warm white LEDs are used for the lighting. The locomotive has many separately applied details.
Length over the buffers 13.8 cm / 5-7/16".

One-time series.

Digital Functions	Control Unit	Mobile Station	Mobile Station 2	Central Station
Headlight(s)	x	x	x	x
Direct control	x	x	x	x

Class 41 Steam Freight Locomotive

The DB Class 41 with the Older Design Boiler.

The class 41 fast freight locomotive was part of the late developments in the German State Railroad's (DRG) standardized locomotive program. Different components were identical with the classes 06 and 45 developed at about the same time. A special design feature of the class 41 was also common to these other locomotives: Their wheel load could be set either at 18 or 20 metric tons in order to ensure wider use. The frame was a new development but the boiler was the same as on the class 03. The St47K had to be used as the material for the boiler due to the higher boiler pressure of 20 atmospheres or 290 pounds pressure per square inch. The Berlin Machinery Builder, Inc., formerly Louis Schwartzkopff, delivered the two sample units, road numbers 41 001 and 002, in 1936. These units were tested extensively. From 1938 on they were followed by 364 regular production locomotives that were improved somewhat and that were delivered by almost all of the German locomotive builders by 1941. Due to World War II, the DRG canceled another 70 locomotives already ordered and replaced them with the transition war designs and war design locomotives. As with other locomotives, the St47K boiler on the class 41 exhibited after a few years traces of metal fatigue since this boiler material was not resistant to aging and became susceptible to breakage at weld points. For that reason, the boiler pressure was initially reduced to 16 atmospheres or 232 pounds of pressure per square inch starting in the fall of 1941. Furthermore, the DRG purchased a total of 40 replacement boilers in 1943/44 that were made of the much more durable St34 boiler material.
After World War II, there were 220 locomotives on the DB's roster and 124 on the GDR's German State Railroad (DR) roster. Since both government railroads could not do without the class 41, numerous units were equipped with new boilers. On the DB 102 units were rebuilt and equipped with welded, high-performance boiler with a combustion chamber. Moreover, 40 units were converted to oil firing. On the units not rebuilt boiler damage could be kept within limits by not exceeding the lowered boiler pressure. Improved welding techniques in the meantime took care of the problems for the most part. The class 41 units with the older design boiler were retired for the most part in the Sixties and only a few units lasted until the computer renumbering system change to the class 041 in 1968. Road numbers 041 253 and 334 were stored at the maintenance facility at Cologne-Eifeltor in September of 1970 and were retired on November 27, 1970.

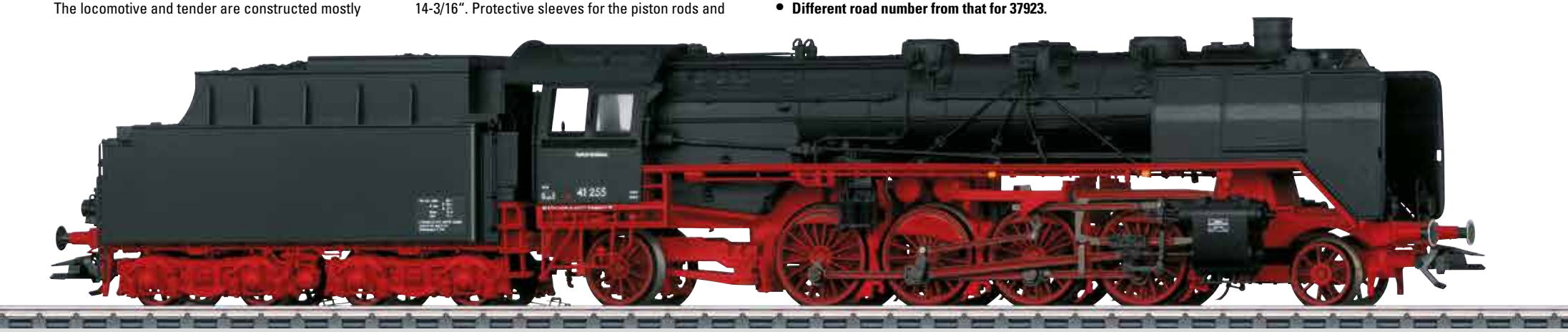
37924 Steam Freight Locomotive with a Tender.
Prototype: Class 41 steam freight locomotive with a tender. Older version painted and lettered for the German Federal Railroad (DB), with Wagner smoke deflectors, older design boiler, type 2´2´T34 standard design tender, DRG lanterns, without an inductive magnet, and with buffer plate warning stripes. Road number 41 255. The locomotive looks as it did around 1951.
Model: The locomotive has an mfx digital decoder. It also has controlled high-efficiency propulsion with a flywheel, in the boiler. 4 axles powered. Traction tires. The locomotive and tender are constructed mostly of metal. The 7226 smoke unit can be installed in the locomotive. The dual headlights change over with the direction of travel. They and the smoke unit that can be installed in the locomotive will work in conventional operation and can be controlled digitally. Maintenance-free warm white LEDs are used for the lighting. There is an adjustable close coupling with a guide mechanism between the locomotive and tender for different curves. There is a close coupler with an NEM pocket and guide mechanism on the front of the locomotive and the rear of the tender. Minimum radius for operation is 360 mm / 14-3/16". Protective sleeves for the piston rods and brake hoses are included as detail parts and can be mounted on the locomotive.
Length over the buffers 27.5 cm / 10-13/16".

- **New tooling for the class 41 in the version with the older design boiler.**
- **Especially fine metal construction.**
- **Partially open bar frame and many separately applied details.**
- **High-efficiency propulsion with a flywheel, in the boiler.**
- **Different road number from that for 37923.**

Digital Functions	Control Unit	Mobile Station	Mobile Station 2	Central Station
Headlight(s)	x	x	x	x
Smoke generator contact	x	x	x	x
Direct control	x	x	x	x

One-time series.

This model can be found in a DC version in the Trix H0 assortment under item number 22376.



Class 41 Steam Freight Locomotive

märklin HO

37923 Steam Freight Locomotive with a Tender.
Prototype: Class 41 steam freight locomotive with a tender. Older version painted and lettered for the German Federal Railroad (DB), with Witte smoke deflectors, older design boiler, type 2´2´T34 standard design tender, DB Reflex glass lamps, inductive magnet on one side, and buffer plate warning stripes. Road number 41 178. The locomotive looks as it did around 1965.
Model: The locomotive has the new mfx+ digital decoder and extensive sound functions. It also has controlled high-efficiency propulsion with a flywheel, in the boiler. 4 axles powered. Traction tires. The locomotive and tender are constructed mostly of metal. The 7226 smoke unit can be installed in the locomotive. The triple headlights change over with the direction of travel. They and the smoke unit that can be installed in the locomotive will work in conventional operation and can be controlled digitally. Maintenance-free warm white LEDs are used for the lighting. There is an adjustable close coupling with a guide mechanism between the locomotive and tender for different curves. There is a close coupler with an NEM pocket and guide mechanism on the front of the locomotive and the rear of the tender. Minimum radius for operation is 360 mm / 14-3/16". Protective sleeves for the piston rods and brake hoses are included as detail parts and can be mounted on the locomotive.
Length over the buffers 27.5 cm / 10-13/16".

- **New tooling for the class 41 in the version with the older design boiler.**
- **Partially open bar frame and many separately applied details.**
- **High-efficiency propulsion with a flywheel, in the boiler.**
- **A variety of operating and sound functions that can be controlled digitally.**
- **Equipped with the new mfx+ digital decoder.**
- **Operation possible in beginner, advanced, and expert modes.**
- **Simulated operating supplies usage.**
- **Realistic running characteristics such as constant speed.**
- **Simulated engineer's cab in the Central Station 2 display.**
- **Control of the model in the cab mode by means of the touchscreen on the Central Station 2.**
- **These new functions are only available in conjunction with the Central Station 2 starting with firmware Version 2.5.**

This model can be found in a DC version in the Trix H0 assortment under item number 22375.

Digital Functions	Control Unit	Mobile Station	Mobile Station 2	Central Station
Headlight(s)	x	x	x	x
Smoke generator contact	x	x	x	x
Steam locomotive op. sounds	x	x	x	x
Locomotive whistle	x	x	x	x
Direct control	x	x	x	x
Sound of squealing brakes off		x	x	x
Bell		x	x	x
Whistle for switching maneuver		x	x	x
Letting off Steam		x	x	x
Air pump / compressor			x	x
Sound of coal being shoveled			x	x
Grate Shaken			x	x
Injectors			x	x

Class 95.9 + VB 140 Rail Bus

39950 Rail Bus with a Trailer Car.
Prototype: German Federal Railroad (DB) class VT 95.9 powered rail bus with a class VB 140 trailer car. First production series, in the original crimson paint scheme, with a skylight window above the engineer's stand. The rail bus looks as it did when delivered and in operation around 1952/53.
Model: The rail bus has an mfx decoder and extensive sound functions. It also has controlled high-efficiency propulsion with a flywheel in the motor car. 2 axles powered. Traction tires. The rail bus has factory-installed interior lighting in the motor car and the trailer car. The rail bus has dual headlights and dual red marker lights that change over with the direction of travel, will work in conventional operation, and can be controlled digitally. The headlights at the Engineer's Stand 2 and 1 of the motor car can be turned off separately. Dual red marker lights are on for the trailer car depending on the position of the motor car. Maintenance-free warm white and red LEDs are used for the headlights, marker lights, and interior lighting, and they can be controlled together in digital operation. The rail bus units have a current-conducting drawbar coupling with a guide mechanism between them. An additional non-current-conducting drawbar coupling is included for use in multiple hookups of rail bus sets. When you have a maximum 4-part unit (2 double units), the red marker lights on the trailer car can be turned off by means of a switch. The engineer's stands and the cars' interiors in the motor car and trailer car allow an open view through the windows. Brake hoses are included and can be mounted on the rail buses.
Length of the two-unit set 28.2 cm / 11-1/8".

- **Completely new tooling.**
- **Extensive operating and sound functions included.**
- **Factory-installed interior lighting.**
- **Headlights on the motor car can be turned off separately in digital operation.**
- **Red marker lights on for the trailer car depending on the position of the motor car.**
- **Lighting with warm white and red LEDs.**

This model can be found in a DC version in the Trix H0 assortment under item number 22995.

Digital Functions	Control Unit	Mobile Station	Mobile Station 2	Central Station
Headlight(s)	x	x	x	x
Diesel locomotive op. sounds	x	x	x	x
Horn	x	x	x	x
Direct control	x	x	x	x
Sound of squealing brakes off		x	x	x
Headlight(s): Cab2 End		x	x	x
Conductor's Whistle		x	x	x
Headlight(s): Cab1 End		x	x	x
Doors Closing			x	x

VT 95.9 with the VB 142 (Rail Bus and Trailer Car).

The first rail buses arose from the desire as early as the Thirties to develop lightweight, modest vehicles that made use of parts and assemblies from trucks and street buses. Soon after the end of World War II, the German Federal Railroad recognized that operations on many uneconomical branch lines could be maintained against the growing competition on the roads only through the extensive use of such rail buses. In 1949, the car builder Uerdingen was therefore awarded the contract to develop such a vehicle. Eleven prototypes were placed into operation between March and August of 1950. The similarity to street buses was unmistakable. A wheelbase of 4,500 mm / 14 feet 9 inches, lightweight shock absorbers, as well as a truck trailer coupling were characteristic features. A Büssing motor with 110 horsepower output connected to a mechanical six-speed transmission mounted below the floor provided the drive system to one wheel set.
Road number VT 95 912 (later VT 95 9112) came in November of 1950 and was the last, above all groundbreaking pre-production unit. Special permission from the transport minister allowed the wheelbase on this rail bus to be lengthened to 6,000 mm / 19 feet 8 inches. Sufficient seating room was now available thanks to the lengthening of the car body. After exhaustive testing an entire family of rail buses came into being in the Fifties. A first series of 60 units of the single-motor VT 95 rolled out from the builders starting in 1952. The fixed wheelbase of 6,000 mm / 19 feet 8 inches remained but otherwise there several changes. The ends were now ellipsoidal in shape and were equipped with curved skylight windows. The skylight windows were done away with on later series. Three-part folding doors on the car ends allowed passengers to get on and off quickly. The short wheelbase of 4,500 mm / 14 feet 9 inches was kept on the accompanying trailer car, the class VB 140 (not designated as the class VB 142 until the end of 1953), but their shape was adapted to that of the motor cars. Lightweight Scharfenberg couplers now transferred the tractive and impact forces. Sprung shock absorber bales served elastically to absorb gentle contact with normal buffers. By 1955 five additional series with a total of 496 rail buses followed the first one, whereby the performance was continuously increased with the installation of 130 and later 150 horsepower motors. The DB finally replaced steam locomotives on numerous branch lines with these units, because operations on many lines could only be maintained at all with the extremely economical operation of the rail buses.

The single-motor rail buses (from 1968 on the class 795) were retired in large numbers starting in the mid-Seventies. The last one, road number 795 445, was pulled from service in 1983. Numerous 795 rail buses found a new lease on life in other countries and in Germany on museum railroads of course. Road number 795 240 (former VT 95 9240) belongs to the DB's museum roster.

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Tank Locomotives

Branch Line Legend.

The legendary DB class 98.3 (former Bavarian class PtL 2/2) branch line locomotives were seldom designated with their exact class number, because these nimble branch line units were much better known by the nickname "Glaskasten" / "Glass Box". The comparably roomy engineer's cab is the reason for this affectionate name. The cab surrounded a large part of the boiler and its luxurious glassed in area gave the engineer a good view of the tracks in both directions. Partially automatic coal firing enabled economical one-man operation of these locomotives. This meant they were predestined for lightweight branch line service.

36863 Tank Locomotive.
Prototype: Bavarian class PtL 2/2 local railroad locomotive as the class 98.3 "Glaskasten" on the German Federal Railroad (DB). The locomotive looks as it did in Era III around 1954.
Model: The locomotive has an mfx digital decoder. It also has a miniature motor in the boiler. 2 axles powered. Traction tires. The dual headlights change over with the direction of travel, will work in conventional operation, and can be controlled digitally. The inner boiler is constructed of metal. The locomotive has numerous separately applied handrails and grab irons. The boiler parts and other details are finely reproduced.
Length over the buffers 8.0 cm / 3-1/8".

One-time series.

Digital Functions	Control Unit	Mobile Station	Mobile Station 2	Central Station
Headlight(s)	x	x	x	x
Direct control	x	x	x	x

The following models of cars based on DB Era III prototypes go well with this locomotive: 43010, 43020, 43030.

37143 Tank Locomotive.
Prototype: German Federal Railroad (DB) class 89.70-75 tank locomotive. Former Prussian class T 3 branch line locomotive. Road number 89 7339. The locomotive looks as it did at the start of the Fifties.
Model: The locomotive has an mfx digital decoder and extensive sound functions. It also has a miniature motor in the boiler. 3 axles powered. Traction tires. The locomotive has a detailed frame with a representation of Allan valve gear. The dual headlights change over with the direction of travel, will work in conventional operation, and can be controlled digitally. Maintenance-free warm white LEDs are used for the lighting. There is an open view through the cab. The locomotive has many separately applied details. Brake hoses are included.
Length over the buffers 9.9 cm / 3-7/8".

- **Steam locomotive sounds for the first time.**

Digital Functions	Control Unit	Mobile Station	Mobile Station 2	Central Station
Headlight(s)	x	x	x	x
Steam locomotive op. sounds	x	x	x	x
Locomotive whistle	x	x	x	x
Direct control	x	x	x	x
Direct control	x	x	x	x
Sound of squealing brakes off		x	x	x
Whistle for switching maneuver		x	x	x
Letting off Steam		x	x	x
Air Pump			x	x
Sound of coal being shoveled			x	x
Grate Shaken			x	x
Injectors			x	x

37046 Tank Locomotive.
Prototype: German Federal Railroad (DB) class 80 tank locomotive. The locomotive looks as it did around 1958.
Model: The locomotive has an mfx digital decoder and extensive sound functions. It also has controlled high-efficiency propulsion. 3 axles powered. Traction tires. The dual headlights change over with the direction of travel, will work in conventional operation, and can be controlled digitally. The locomotive has many separately applied details.
Length over the buffers 11.1 cm / 4-3/8".

One-time series.

This locomotive can be found in a DC version under item number 22243.

Digital Functions	Control Unit	Mobile Station	Mobile Station 2	Central Station
Headlight(s)	x	x	x	x
Telex coupler on the front	x	x	x	x
Steam locomotive op. sounds	x	x	x	x
Locomotive whistle	x	x	x	x
Telex coupler on the rear	x	x	x	x
Sound of squealing brakes off		x	x	x
Sound of coal being shoveled		x	x	x
Whistle for switching maneuver		x	x	x
Direct control		x	x	x
Letting off Steam			x	x
Grate Shaken			x	x
"Switcher Double ""A"" Light"			x	x

39162 Steam Locomotive.
Prototype: German Federal Railroad (DB) class 42.90 Franco-Crosti freight locomotive. Version with Wagner smoke deflectors. The locomotive looks as it did around 1955.
Model: The locomotive has an mfx digital decoder and extensive sound functions. It also has controlled high-efficiency propulsion. 5 axles powered. Traction tires. The locomotive has an articulated frame to enable it to negotiate sharp curves. The locomotive also has cab and running gear lights. The headlights change over with the direction of travel, will work in conventional operation, and can be controlled digitally. Maintenance-free warm white LEDs are used for the lighting.
Length over the buffers 26.7 cm / 10-1/2".

One-time series.

This locomotive can be found in a DC version under item number 22429.

Digital Functions	Control Unit	Mobile Station	Mobile Station 2	Central Station
Headlight(s)	x	x	x	x
Light Function	x	x	x	x
Steam locomotive op. sounds	x	x	x	x
Locomotive whistle	x	x	x	x
Direct control	x	x	x	x
Sound of squealing brakes off		x	x	x
Engineer's cab lighting		x	x	x
Whistle for switching maneuver		x	x	x
"Switcher Double ""A"" Light"		x	x	x
Water Pump			x	x
Sound of coal being shoveled			x	x
Letting off Steam			x	x
Grate Shaken			x	x

Freight Car Set

Bavarian Design Milk Cars around 1958.

Special freight cars were purchased in Bavaria for milk transport service and above all especially for the transport of milk cans. The railroad transported milk cans in this manner from Bavarian dairy farmers who brought their products by wagon or tractor to the nearest station. The cars ran in scheduled passenger trains, which in those days enabled the fastest possible transport of perishable milk to the dairies in the city. Not until milk transport increasingly went over to truck transport at the end of the Fifties, beginning of the Sixties did the milk transport cars become superfluous. They then were given other jobs such as less-than-carload freight service. The light paint scheme was characteristic for these cars and was supposed to keep temperatures inside within limits. Another typical feature was the two narrow, opposed sliding doors on both sides. Since the cars were not loaded by forklift or hand truck, narrow doors worked out well. A load conductor or local personnel or even the farmer delivering the milk took care of manually loading the 40 liter / 10.5 gallon milk cans. There were several load restraints inside to secure the milk cans. The loading work at the short stops for the passenger trains could be taken care of relatively quickly through the two doors on both sides of the cars. In addition, the milk cans to be unloaded could be presorted during the trip and be placed ready for unloading at one of the doors. Since the milk transport car was run in passenger trains as a rule, it had a Westinghouse design air brake as well as electrical and steam heating lines. This allowed passenger cars running behind the milk car to be heated too. The wooden boards on the ends of the car had slots in them to allow wind to whistle into the car's interior in order to keep the milk somewhat cool during the trip. Riding in a milk transport car thus developed into a drafty experience.

NEM | III | 15 +

48816 Freight Car Set.
Prototype: 5 different German Federal Railroad (DB) car for a freight train with passenger accommodations (GmP). 1 type Bie "Donnerbüchse" / "Thunderbox" passenger car, 2nd class, 1 type LpwPost baggage car, 1 type Geh 20 boxcar in a reddish brown paint scheme (former Bavarian milk car), 1 type Geh 20 boxcar in a grayish white paint scheme (former Bavarian milk car), 1 type Omms55 gondola. All of the cars look as they did around 1958.

Model: The type Geh 20 boxcar (former Bavarian milk car) does not have a handbrake, does have a curved roof, and heating couplings. There are 2 separately applied steps below the sliding doors. The gondola has truss rods but no handbrake. It is loaded with mine timber. All of the cars have different car numbers and are individually packaged and marked.
Total length over the buffers 61.3 cm / 24-1/8".
DC wheel set per car 2 x 700580 and 2 x 32376004 (baggage car).

- **The former Bavarian design two-axle milk car with a curved roof is new tooling.**
- **Typical freight train with passenger accommodations (GmP).**

One-time series.

The class 64 and 86 tank locomotives go well as motive power with this freight car set.

Class 01.10 Steam Locomotive

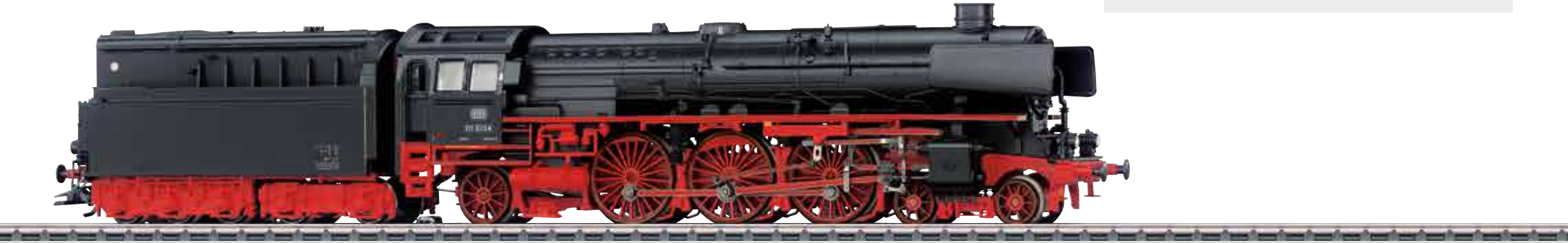
märklin HO

37105 Steam Locomotive.
Prototype: German Federal Railroad (DB) class 01.10 express steam locomotive with oil firing and Witte smoke deflectors. The locomotive looks as it did around 1966/67.
Model: The locomotive has an mfx+ digital decoder and extensive sound functions. It also has controlled high-efficiency propulsion. 3 axles powered. Traction tires. The 7226 smoke unit can be installed in the locomotive. The triple headlights change over with the direction of travel. They and the smoke unit that can be installed in the locomotive will work in conventional operation and can be controlled digitally. The running gear lights can also be controlled digitally. There is a close coupler with an NEM pocket on the tender. Protective sleeves for the piston rods are included as detail parts.
Length over the buffers 28.1 cm / 11-1/16".

- **Equipped with the new mfx+ digital decoder.**
- **Operation possible in beginner, advanced, and expert modes.**
- **Simulated operating supplies usage.**
- **Realistic running characteristics such as constant speed.**
- **Simulated engineer's cab in the Central Station 2 display.**
- **Control of the model in the cab mode by means of the touchscreen on the Central Station 2.**
- **These new functions are only available in conjunction with the Central Station 2 starting with firmware Version 2.5.**

One-time series.

Digital Functions	Control Unit	Mobile Station	Mobile Station 2	Central Station
Headlight(s)	x	x	x	x
Smoke generator contact	x	x	x	x
Steam locomotive op. sounds	x	x	x	x
Locomotive whistle	x	x	x	x
Direct control	x	x	x	x
Sound of squealing brakes off		x	x	x
Running gear lights		x	x	x
Whistle for switching maneuver		x	x	x
Air Pump		x	x	x
Letting off Steam			x	x
Sound of coal being shoveled			x	x
Grate Shaken			x	x



Express Train Passenger Car Set

42615 Express Train Passenger Car Set.
Prototype: 5 different design German Federal Railroad (DB) express train passenger cars. 1 end car with a baggage area, engine room, galley, and dining area, 3 intermediate cars, 1st/2nd class, 1 end car, 1st/2nd class, with an observation area. Train route Hamburg – Munich. The cars look as they did around 1954.

Model: All of the cars have factory-installed interior lighting. Warm white LEDs are used for the interior lighting. One car is already equipped with a pickup shoe. Current-conducting coupling drawbars in standard coupler pockets are already installed to provide power to the entire group of cars.
Total length over the buffers 126.5 cm / 49-13/16".
DC wheel set per car 4 x 700580.

One-time series.

Steam Locomotive with a Tender

37548 Steam Locomotive with a Tender.
Prototype: German Federal Railroad (DB) class 55 freight steam locomotive with a tender. Version without a surface pre-heater and without a piston-type feed pump. With buffer plate warning stripes. The locomotive looks as it did around 1959.
Model: The steam locomotive has an mfx digital decoder and extensive sound functions. It also has controlled high-efficiency propulsion in the boiler. 4 axles powered. Traction tires. The locomotive and tender are constructed mostly of metal. The 72270 smoke unit can be installed in the locomotive. The triple headlights change over with the direction of travel. They and the smoke unit that can be installed in the locomotive will work in conventional operation and can be controlled digitally. Maintenance-free warm white LEDs are used for the lighting. The engineer's cab has interior details. There is a permanent close coupling between the locomotive and tender. The locomotive has many separately applied details. Protective sleeves for the piston rods and brake hoses are included as detail parts.
Length over the buffers 21.0 cm / 8-1/4".

The freight car set to go with this locomotive can be found in the Märklin H0 assortment under item number 46089.

Digital Functions	Control Unit	Mobile Station	Mobile Station 2	Central Station
Headlight(s)	x	x	x	x
Smoke generator contact	x	x	x	x
Steam locomotive op. sounds	x	x	x	x
Locomotive whistle	x	x	x	x
Direct control	x	x	x	x
Sound of squealing brakes off		x	x	x
Air Pump		x	x	x
Whistle for switching maneuver		x	x	x
Letting off Steam		x	x	x
Bell			x	x
Sound of coal being shoveled			x	x
Grate Shaken			x	x

46089 37548

Freight Car Set

märklin HO

NEM | III | 15 +

46089 Set with 5 Freight Cars.
Prototype: Different German Federal Railroad (DB) freight cars in Era III around 1960. Type Pwgs 41 baggage car. Association Design type G 10 boxcar. Association Design type Om 12 gondola. Interchange design type Gr 20 boxcar. Interchange design type Rr 20 stake car.
Model: The baggage car has a roof cupola and separately brake rigging on the underbody. Both boxcars have sliding doors that can be opened. The stake car is loaded with two Porsche tractors. Stake are included that can be mounted on the car.
Total length over the buffers approximately 57.5 cm / 22-5/8".
DC wheel set per freight car 2 x 700580.
All of the cars are individually packaged and marked.

One-time series.

The locomotive to go with these cars can be found under item number 37548 in the Märklin H0 assortment.

Class 52 Steam Locomotive

37150 Steam Locomotive.
Prototype: German Federal Railroad (DB) class 52 steam locomotive. Version with a tub-style tender and Witte smoke deflectors. The locomotive looks as it did around 1953.
Model: The locomotive has an mfx digital decoder and extensive sound functions. It also has controlled high-efficiency propulsion. 5 axles powered. Traction tires. The locomotive's frame is articulated to enable the locomotive to negotiate sharp curves. The dual headlights change over with the direction of travel, will work in conventional operation and can be controlled digitally. A 7226 smoke generator can be installed in the locomotive. Piston rod protection sleeves are included and can be installed on the locomotive.
Length over the buffers 26.3 cm / 10-3/8".

One-time series.

Digital Functions	Control Unit	Mobile Station	Mobile Station 2	Central Station
Headlight(s)	x	x	x	x
Smoke generator contact	x	x	x	x
Steam locomotive op. sounds	x	x	x	x
Locomotive whistle	x	x	x	x
Direct control	x	x	x	x
Sound of squealing brakes off		x	x	x
Sound of coal being shoveled		x	x	x
Whistle for switching maneuver		x	x	x
Letting off Steam		x	x	x
Air Pump			x	x
Grate Shaken			x	x

37175 Steam Locomotive.
Prototype: German Federal Railroad (DB) class 52 steam locomotive. Version with a condensation tender. The locomotive looks as it did around 1950.
Model: The locomotive has an mfx digital decoder and extensive sound functions. It also has controlled high-efficiency propulsion. 5 axles powered. Traction tires. The locomotive has an articulated frame enabling it to negotiate sharp curves. The dual headlights change over with the direction of travel, will work in conventional operation, and can be controlled digitally. A 7226 smoke unit can be installed in the locomotive. Piston rod protection sleeves can be installed on the locomotive. Length over the buffers 26.3 cm / 10-3/8".

One-time series.

Digital Functions	Control Unit	Mobile Station	Mobile Station 2	Central Station
Headlight(s)	x	x	x	x
Smoke generator contact	x	x	x	x
Steam locomotive op. sounds	x	x	x	x
Locomotive whistle	x	x	x	x
Direct control	x	x	x	x
Sound of squealing brakes off		x	x	x
Blower Drive		x	x	x
Whistle for switching maneuver		x	x	x
Air Pump		x	x	x
Letting off Steam			x	x
Sound of coal being shoveled			x	x
Grate Shaken			x	x

Class Köf II Small Diesel Locomotive

36819 Small Diesel Locomotive.
Prototype: German Federal Railroad (DB) class Köf II. Version with an open cab.
Model: The locomotive has an mfx digital decoder and Telex couplers. 2 axles powered. Track adhesion magnets are included on the locomotive to improve pulling power. The locomotive has separately applied metal grab irons. The headlights will work in conventional operation and can be controlled digitally.
Length over the buffers 7.4 cm / 2-7/8".

- **Telex couplers.**
- **Headlights can be turned off separately.**

Digital Functions	Control Unit	Mobile Station	Mobile Station 2	Central Station
Headlight(s)	x	x	x	x
Telex coupler on the rear	x	x	x	x
Telex coupler on the front	x	x	x	x
Direct control	x	x	x	x
Headlight(s): Cab2 End		x	x	x
Headlight(s): Cab1 End		x	x	x

Class V 60 Diesel Locomotive

märklin HO

mfx III 15 +

37600 Diesel Locomotive.
Prototype: German Federal Railroad (DB) class V 60 switch engine. The locomotive looks as it did around 1960.
Model: The locomotive has an mfx digital decoder and extensive sound functions. It also has controlled high-efficiency propulsion and Telex couplers. 3 axles powered. Traction tires. The headlights will work in conventional operation and can be controlled digitally. The locomotive has metal handrails on the end platforms. Length over the buffers 12.0 cm / 4-3/4".

One-time series.

Digital Functions	Control Unit	Mobile Station	Mobile Station 2	Central Station
Headlight(s)	x	x	x	x
Telex coupler on the front	x	x	x	x
Diesel locomotive op. sounds	x	x	x	x
Horn	x	x	x	x
Telex coupler on the rear	x	x	x	x
Direct control		x	x	x
Rear Headlights off		x	x	x
Sound of squealing brakes off		x	x	x
Front Headlights off		x	x	x

Class V 160 Diesel Locomotive

37766 Diesel Locomotive.
Prototype: German Federal Railroad (DB) general-purpose locomotive in the pre-production version as the class V 160 “Lollo”. Paint scheme in the prototype scheme. Prototypically different vent and window arrangement on the sides. Road number V 160 005. The locomotive looks as it did around 1962.
Model: The locomotive has the new mfx+ digital decoder and extensive sound functions. It also has controlled high-efficiency propulsion with a flywheel, centrally mounted. All 4 axles powered by means of cardan shafts. Traction tires. The triple headlights and dual red marker lights change over with the direction of travel, will work in conventional operation, and can be controlled digitally. The headlights at Locomotive Ends 2 and 1 can be turned off separately. When the headlights at both ends of the locomotive are off, the double “A” lights are on. Maintenance-free warm white and red LEDs are used for the lighting. The locomotive has separately applied metal grab irons at the ends and on the sides. It also has a detailed buffer beam. Brake hoses are included and can be mounted on the locomotive. Length over the buffers 18.4 cm / 7-1/4“.

- **Equipped with the new mfx+ digital decoder.**
- **Operation possible in beginner, advanced, and expert modes.**
- **Simulated operating supplies usage.**
- **Realistic running characteristics such as constant speed.**
- **Simulated engineer’s cab in the Central Station 2 display.**
- **Control of the model in the cab mode by means of the touchscreen on the Central Station 2.**
- **These new functions are only available in conjunction with the Central Station 2 starting with firmware Version 2.5.**

Digital Functions	Control Unit	Mobile Station	Mobile Station 2	Central Station
Headlight(s)	x	x	x	x
Diesel locomotive op. sounds	x	x	x	x
High Pitch Horn	x	x	x	x
Direct control	x	x	x	x
Sound of squealing brakes off		x	x	x
Headlight(s): Cab2 End		x	x	x
Low Pitch Horn		x	x	x
Headlight(s): Cab1 End		x	x	x

Class E 44 Electric Locomotive

märklin HO

37442 Electric Locomotive.
Prototype: German Federal Railroad (DB) class E 44 general-purpose locomotive. The locomotive looks as it did around 1958.
Model: The locomotive has an mfx+ digital decoder and extensive sound functions. It also has controlled high-efficiency propulsion. 4 axles powered. Traction tires. The triple headlights and dual red marker lights change over with the direction of travel, will work in conventional operation, and can be controlled digitally. Maintenance-free warm white and red LEDs are used for the lighting.
Length over the buffers approximately 17.5 cm / 6-7/8".

- **Equipped with the new mfx+ digital decoder.**
- **Operation possible in beginner, advanced, and expert modes.**
- **Simulated operating supplies usage.**
- **Realistic running characteristics such as constant speed.**
- **Simulated engineer's cab in the Central Station 2 display.**
- **Control of the model in the cab mode by means of the touchscreen on the Central Station 2.**
- **These new functions are only available in conjunction with the Central Station 2 starting with firmware Version 3.0.**

One-time series.

This locomotive can be found in a DC version under item number 22442.

Digital Functions	Control Unit	Mobile Station	Mobile Station 2	Central Station
Headlight(s)	x	x	x	x
Station Announcements	x	x	x	x
Electric locomotive op. sounds	x	x	x	x
Locomotive whistle	x	x	x	x
Direct control	x	x	x	x
Sound of squealing brakes off		x	x	x
Headlight(s): Cab1 End		x	x	x
Whistle for switching maneuver		x	x	x
Headlight(s): Cab2 End		x	x	x
Compressor			x	x
Letting off Air			x	x
Conductor's Whistle			x	x

Class 038 Passenger Steam Locomotive

37988 Steam Passenger Locomotive with a Tub-Style Tender.
Prototype: German Federal Railroad (DB) class 038 (38.10-40) steam passenger locomotive with a tub-style tender. Former Prussian P 8. Boiler with 2 domes and Witte smoke deflectors. Road number 038 193-9. The locomotive looks as it did around 1968/69.
Model: The locomotive has an mfx digital decoder and extensive sound functions. It also has controlled high-efficiency propulsion. 3 axles powered. Traction tires. The 72270 smoke unit can be installed in the locomotive. Maintenance-free warm white LEDs are used for the lighting. There is a close coupling between the locomotive and tender. The engineer's cab is detailed. Brake hoses, prototype couplers, and protective sleeves for the piston rods are included as detail parts.
Length over the buffers 21.0 cm / 8-1/4".

Digital Functions	Control Unit	Mobile Station	Mobile Station 2	Central Station
Headlight(s)	x	x	x	x
Smoke generator contact	x	x	x	x
Steam locomotive op. sounds	x	x	x	x
Locomotive whistle	x	x	x	x
Direct control	x	x	x	x
Sound of squealing brakes off		x	x	x
Bell		x	x	x
Whistle for switching maneuver		x	x	x
Sound of coal being shoveled		x	x	x
Letting off Steam			x	x
Air Pump			x	x
Grate Shaken			x	x
Injectors			x	x

Class 023 Passenger Steam Locomotive

märklin HO

39234 Passenger Locomotive with a Tender.
Prototype: German Federal Railroad (DB) class 023 passenger steam locomotive with a tender. Road number 023 005-2. The locomotive looks as it did around 1972.
Model: The locomotive has an mfx digital decoder and extensive sound functions. It also has controlled high-efficiency propulsion with a flywheel, in the boiler. 3 axles powered. Traction tires. The triple headlights change over with the direction of travel. The headlights and the smoke generator that can be installed in the locomotive will work in conventional operation and can be controlled digitally. The headlights are maintenance-free, warm white LEDs. A 7226 smoke generator can be installed in the locomotive. The locomotive and tender are constructed mostly of metal. There is a close coupling with a guide mechanism between the locomotive and the tender. The front of the locomotive and the back of the tender have a close coupler with a guide mechanism and an NEM coupler pocket. Minimum radius for operation is 360 mm / 14-3/16". Brake hoses and piston rod protection sleeves are included as detail parts. Length over the buffers 24.5 cm / 9-5/8".

Digital Functions	Control Unit	Mobile Station	Mobile Station 2	Central Station
Headlight(s)	x	x	x	x
Smoke generator contact	x	x	x	x
Steam locomotive op. sounds	x	x	x	x
Locomotive whistle	x	x	x	x
Direct control	x	x	x	x
Sound of squealing brakes off		x	x	x
Whistle for switching maneuver		x	x	x
Letting off Steam		x	x	x
Sound of coal being shoveled			x	x
Grate Shaken			x	x
Air Pump			x	x
Injectors			x	x
Special Function			x	x

Class 003 Steam Locomotive

37958 Steam Locomotive.
Prototype: German Federal Railroad (DB) class 003 steam locomotive with Witte smoke deflectors. The locomotive looks as it did around 1970.
Model: The locomotive has an mfx digital decoder and extensive sound functions. It also has controlled high-efficiency propulsion. 3 axles powered. Traction tires. The 7226 smoke unit can be installed in the locomotive.

The triple headlights change over with the direction of travel. They and the smoke unit that can be installed in the locomotive will work in conventional operation and can be controlled digitally. Maintenance-free warm white LEDs are used for the lighting. Protective sleeves for the piston rods and brake hoses are included as detail parts.
Length over the buffers 27.5 cm / 10-13/16".

One-time series.

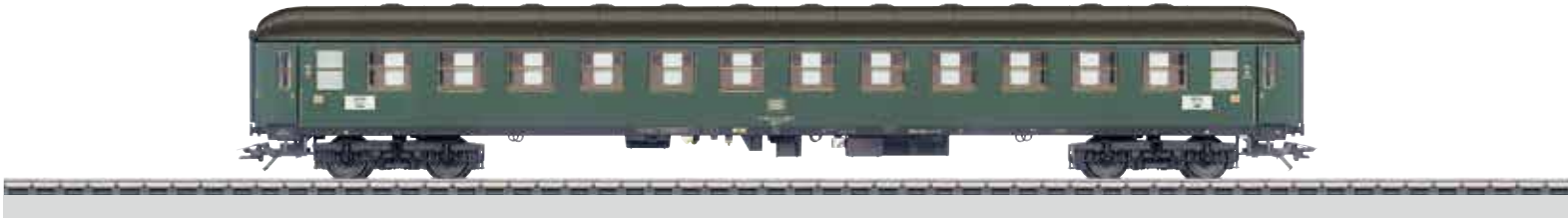
Digital Functions	Control Unit	Mobile Station	Mobile Station 2	Central Station
Headlight(s)	x	x	x	x
Smoke generator contact	x	x	x	x
Steam locomotive op. sounds	x	x	x	x
Locomotive whistle	x	x	x	x
Direct control	x	x	x	x
Sound of squealing brakes off		x	x	x
Air Pump		x	x	x
Whistle for switching maneuver		x	x	x
Letting off Steam		x	x	x
Sound of coal being shoveled			x	x
Grate Shaken			x	x
Injectors			x	x

43915 37958

Express Train Passenger Car Set

43915 Express Train Passenger Car Set.
Prototype: German Federal Railroad (DB) 1 type Aüm 203 compartment car, 3 type Büm 234 compartment cars, and 1 type WRüm 132 dining car. The cars look as they did around 1970.
Model: The 7319 current conducting couplings or the 72020/72021 current conducting couplers, the 73406 pickup shoe, the 73400/73401 lighting kit (2 per car), and the 73407 marker light kit can be installed in the cars. Total length over the buffers approximately 143 cm / 56-5/16".
DC wheel set: per car 4 x 700580.

One-time series.



Class 141 Electric Locomotive

Class E 41 – The Firecracker of the German Federal Railroad.
A total of 451 class E 41 locomotives were purchased between 1956 and 1971. For several decades, they left their stamp on more than just the commuter service from the Bavarian Alps to the German coast. This successful design can be considered as a general-purpose locomotive, since it was used as motive power for practically every kind of train service during its long service life. It did not last long in the rigorous S-Bahn service, because it did not have electric brakes required for it. Its traditional task remained commuter service, in particular in push/pull operation with "Silberlinge / Silver Coins" commuter cars. Due to the required low axle load distributed over 2 two-axle trucks, the E 41 could be used with no problem on electrified branch lines. The 4 traction motors on the locomotive represented a further development of the ET 30, and the Siemens-Schuckert Plant / SSW was responsible for the drive gear. They equipped the E 41 like the other standard design locomotives with a rubber ring drive gear system. The oil-cooled transformer was equipped with a relay layout on the low voltage side, which was the source of a characteristic noise on the class E 41. This locomotive soon picked up its nicknames "Champagne Cork" or "Firecracker" on the German Federal Railroad. More than a few railroad passengers, upon hearing this sound, thought the locomotive was damaged and were more or less irritated about it. The maximum speed for this 15.62 meter / 51 foot 3 inch long locomotive was 120 km/h / 75 mph. When the German Federal Railroad raised the maximum speed for express trains at the end off the Fifties to 140 km/h / 88 mph, E 41 locomotives coming after that were only painted in green, since the elegant blue was reserved only for fast locomotives in long distance service.
During its entire service life, the class E 41, from 1968 on the "141", had double-arm pantographs. Otherwise, it changed externally as the result of rebuilding and ran in Germany from the Alps to the North with three or five lights at each end, with or without rain gutters, with rounded or square cooling vents and in the color schemes that changed over time. The train safety systems were also adapted along the way and the "firecracker" was considered a proven, reliable design right up to the end of its service.

39414 Electric Locomotive.
Prototype: German Federal Railroad (DB) class 141. Chrome oxide green basic paint scheme. Version with double lamps, multiple forced air vents as high-performance vents with vertical fins and a continuous rain gutter. Road number 141 258-4. The locomotive looks as it did around 1971/72.
Model: The locomotive has an mfx digital decoder and extensive sound functions. It also has controlled high-efficiency propulsion with a flywheel, centrally mounted. 4 axles powered by means of cardan shafts. Traction tires. The triple headlights and dual red marker lights change over with the direction of travel, will work in conventional operation, and can be controlled digitally. The headlights at Locomotive End 2 and 1 can be turned off separately in digital operation. When the headlights are turned off at both ends, the double "A" lights are on. Maintenance-free, warm white and red LEDs are used for the lighting. The locomotive has separately applied metal grab irons. The engineer's cabs have interior details. The locomotive has separately applied roof walks. The locomotive has detailed buffer beams. Brake hoses and coupler hoses are included as detail parts. Length over the buffers 18.0 cm / 7-1/8".

Digital Functions	Control Unit	Mobile Station	Mobile Station 2	Central Station
Headlight(s)	x	x	x	x
Electric locomotive op. sounds	x	x	x	x
Locomotive whistle	x	x	x	x
Direct control	x	x	x	x
Sound of squealing brakes off		x	x	x
Headlight(s): Cab2 End		x	x	x
Bell		x	x	x
Headlight(s): Cab1 End		x	x	x
Station Announcements			x	x
Whistle for switching maneuver			x	x

Class 50 Steam Freight Locomotive

märklin HO

37819 Steam Freight Locomotive with a Tender.
Prototype: German Federal Railroad (DB) class 50 steam freight locomotive, with a coal tender as the standard type 2´2´T26 box-style tender in its original form. With Witte smoke deflectors, standard cab, long running boards in the front slanted up to the smoke box, DB Reflex glass lanterns, and inductive magnet on one side. Road number 051 013-1. The locomotive looks as it did around 1969 – 1970.
Model: The locomotive has an mfx digital decoder and extensive sound functions. It also has controlled high-efficiency propulsion. 5 axles powered. Traction tires. The locomotive and tender are constructed mostly of metal. The 7226 smoke unit can be installed in the locomotive. The triple headlights change over with the direction of travel. They and the smoke unit that can be installed in the locomotive will work in conventional operation and can be controlled digitally. Maintenance-free warm white LEDs are used for the lighting. There is an adjustable close coupling with a guide mechanism between the locomotive and tender for different curves. There is a close coupler with an NEM pocket and guide mechanism on the front of the locomotive and the rear of the tender. Minimum radius for operation is 360 mm / 14-3/16". Protective sleeves for the piston rods and brake hoses are included as detail parts and can be mounted on the locomotive.
Length over the buffers 26.4 cm / 10-3/8".

- **Especially fine metal construction.**
- **Partially open bar frame and many separately applied details.**
- **A variety of operating and sound functions that can be controlled digitally.**

One-time series.

Digital Functions	Control Unit	Mobile Station	Mobile Station 2	Central Station
Headlight(s)	x	x	x	x
Smoke generator contact	x	x	x	x
Steam locomotive op. sounds	x	x	x	x
Locomotive whistle	x	x	x	x
Direct control	x	x	x	x
Sound of squealing brakes off		x	x	x
Air Pump		x	x	x
Whistle for switching maneuver		x	x	x
Letting off Steam		x	x	x
Bell			x	x
Sound of coal being shoveled			x	x
Grate Shaken			x	x
Injectors			x	x

Class 150 Electric Locomotive

37853 Electric Locomotive.
Prototype: German Federal Railroad (DB) class 150 heavy freight locomotive. Chrome oxide green basic paint scheme. The largest class of standardized electric locomotives from the new construction program of the Fifties. With double lamps, multiple forced air vents, and continuous rain gutter. The locomotive looks as it did at the end of the Seventies / beginning of the Eighties.
Model: The locomotive has an mfx digital decoder and extensive sound functions. It also has controlled high-efficiency propulsion, centrally mounted. 4 axles powered by means of cardan shafts. Traction tires. The triple headlights and dual red marker lights change over with the direction of travel, will work in conventional operation, and can be controlled digitally. The headlights at Locomotive End 2 and 1 can be turned off separately in digital operation. When the headlights are turned off at both ends, the double "A" lights are on. Maintenance-free warm white and red LEDs are used for the lighting. The locomotive has separately applied metal grab irons on the sides and ends. The engineer's cabs have interior details in relief. Brake hoses and coupler hoses are included as detail parts that can be mounted on the locomotive.
Length over the buffers 22.4 cm / 8-13/16".

Digital Functions	Control Unit	Mobile Station	Mobile Station 2	Central Station
Headlight(s)	x	x	x	x
Electric locomotive op. sounds	x	x	x	x
Locomotive whistle	x	x	x	x
Direct control	x	x	x	x
Sound of squealing brakes off		x	x	x
Headlight(s): Cab2 End		x	x	x
Whistle for switching maneuver		x	x	x
Headlight(s): Cab1 End		x	x	x
Compressor			x	x
Letting off steam / air			x	x
Blower motors			x	x
Sound of Couplers Engaging			x	x
Operating Sounds 1			x	x
Sanding			x	x

Dump Car Set

märklin HO

NEM IV 15 +

46353 Dump Car Set.
Prototype: 5 German Federal Railroad (DB) type F-z 120 (former Ommi 51) 2-axle dump cars. 2 dump cars with hand brakes, with brakeman's stands, and with rail clamps. 3 dump cars without hand brakes, without brakeman's stands, and with rail clamps. The cars look as they did around 1983.
Model: The dump cars have detailed construction with partially open frames, separately applied rail clamps, and separately applied dump compartments. Some cars with and without separately applied brakeman's stands. All of the dump cars have different car numbers. All of the cars are individually packaged, with a master carton.
Total length over the buffers 53 cm / 20-7/8".
DC wheel set per dump car 2 x 700580.

- **Very finely detailed construction.**
- **Separately applied rail clamps on the car frames included.**
- **All of the cars have different car numbers and are individually packaged.**

Class 139 Electric Locomotive

37406 Electric Locomotive.
Prototype: German Federal Railroad (DB) class 139. The locomotive looks as it did in Era IV.
Model: The locomotive has an mfx digital decoder and extensive sound functions. It also has controlled high-efficiency propulsion. 4 axles powered. Traction tires. The triple headlights and dual red marker lights change over with the direction of travel, will work in conventional operation, and can be controlled digitally. Maintenance-free warm white and red LEDs are used for the headlights. The locomotive has separately applied metal grab irons.
Length over the buffers 18.9 cm / 7-7/16".

One-time series.

Digital Functions	Control Unit	Mobile Station	Mobile Station 2	Central Station
Headlight(s)	x	x	x	x
Electric locomotive op. sounds	x	x	x	x
Locomotive whistle	x	x	x	x
Direct control	x	x	x	x
Sound of squealing brakes off		x	x	x
Headlight(s): Cab2 End		x	x	x
Whistle for switching maneuver		x	x	x
Headlight(s): Cab1 End		x	x	x
Compressor			x	x
Letting off Air			x	x
Sanding			x	x

Marker Light Car Set

märklin HO

IV 15 +

46900 Marker Light Car Set.
Prototype: 3 type Eaos 106 gondolas with coal inserts. The cars look as they did around 1982.
Model: All of the cars have factory-installed red LED marker lights. Power pickup is done by means of pickup shoes. All of the cars have different car numbers. Length over the buffers per Eaos 16.1 cm / 6-3/8".

One-time series.

Ocean Blue / Beige – The Colors of the Seventies and Eighties

At the start of the Seventies, the new DB board decided to introduce a new paint scheme for locomotives and passenger cars. Since the use of steam locomotives was close to its end, there was nothing standing in the way of painting the upper half of the locomotive or car body in a light color. The DB board gave the DB design center the following parameters for the new color concept along the way: an elegant look, consistency of the train's image including the locomotive as well as including slight dirtying of the side walls by brake dust. The design center defined additional important conditions such as brightening up the ends of the locomotives for better recognition, aspects of economy such as painting and maintenance costs as well as durability and the costs for cleaning the locomotives and cars. At that time, the TEE and IC service with its extremely appealing crimson-beige locomotives and cars rated as elegant traveling. For that reason, the new color concept borrowed from it. However, it was changed in such a way that there was similarity but no danger of mistaking one for the other. As early as the spring of 1974 the new color concept was presented to the public with diesel locomotives 218 217 and 218 218. These units had a basic color of beige and as a contrasting color "crimson" (RAL 3004) or "ocean blue" (RAL 5020) in the window area, the roof, and a decorative stripe at the frame. The combination "ocean blue / beige" was to find application in general passenger service while TEE and IC trains were allowed to keep the color combination "crimson/beige". All the same, consideration was given on these color prototypes to the shape of the locomotives and they were given a thoroughly appealing paint scheme with a dark frame as well as a wider dark decorative stripe (similar to that of the 103) on both ends of the locomotive that extended back to the cab doors. In the case of a color separation carried out simply such as on the class 111, the existing vents on the sides would otherwise have had to be painted all in ocean blue. The DB at least tried to adapt the paint scheme to the shape in the case of newly delivered powered rail cars in the classes 472, 627, and 628. This was also quite successful with the diesel locomotives in the classes 211, 212, 213, 290, 291, 360, and 361. The results were considerably less than successful however for all standard design electric locomotives, older design electric locomotives in the classes 118, 144, and 194, the diesel locomotives in the classes 220 and 221 as well as the powered rail cars in the classes 427, 430, 456, 624, and 634. Despite all the criticism, the new color concept was consistently kept for twelve years. The few remaining witnesses to the ocean blue / beige color concept now enjoy cult status.

Class 110.3 Electric Locomotive

37013 Electric Locomotive.
Prototype: German Federal Railroad (DB) class 110.3. Express locomotive with aerodynamic ends, with the so-called “Pants Crease” look. Ocean blue / ivory paint scheme. Rebuilt version with rectangular Klatte vent grills, rectangular engine roof windows, without a continuous rain gutter, without skirting, and without buffer cladding. The locomotive looks as it did around 1985.
Model: The locomotive has an mfx digital decoder and extensive sound functions. It also has controlled high-efficiency propulsion, centrally mounted. 4 axles powered by means of cardan shafts. Traction tires. The triple headlights and dual red marker lights change over with the direction of travel, will work in conventional operation, and can be controlled digitally. Maintenance-free warm white LEDs are used for the headlights. The locomotive has separately applied metal grab irons. The engineer’s cab has interior details, and a separately applied control wheel. The locomotive has separately applied roof walks.
Length over the buffers 18.9 cm / 7-7/16“.

- **Extensive sound functions.**

Passenger cars to go with this locomotive can be found in the Märklin H0 assortment under item numbers 43912, 43923, 43924, 43932, and 43960.

Digital Functions	Control Unit	Mobile Station	Mobile Station 2	Central Station
Headlight(s)	x	x	x	x
Station Announcements	x	x	x	x
Electric locomotive op. sounds	x	x	x	x
Locomotive whistle	x	x	x	x
Direct control	x	x	x	x
Sound of squealing brakes off		x	x	x
Rear Headlights off		x	x	x
Conductor’s Whistle		x	x	x
Front Headlights off		x	x	x
Compressor			x	x
Letting off Air			x	x

43912 Express Train Passenger Car.
Prototype: German Federal Railroad (DB) type Am 203.0 compartment car. UIC-x standard design. 10 compartments, 1st class. Ocean blue / beige paint scheme. The car looks as it did in the Mid-Eighties.
Model: The entry doors have one-piece door windows. The entries have fold-up steps. The newly designed underbody is specific to the type of car. The trucks are Minden-Deutz heavy design (type 361) with disk brakes, without magnetic rail brakes, and with type G 150 axle generators at axle bearing R3. The 7319 current conducting couplings or the 72021 current conducting couplers, the 73406 pickup shoe, the 73400/73401 lighting kit (2 per car), and the 73407 marker light kit can be installed in the car. The minimum radius for operation is 360 mm / 14-3/16". A decal set is included.
Length over the buffers 28.2 cm / 11-1/8".
DC wheel set 4 x 700580.

- **Entry doors with one-piece door windows.**
- **Minden-Deutz heavy design (type 361) trucks.**
- **Newly designed underbody specific to the type of car.**

The electric locomotive to go with this car can be found in the Märklin H0 assortment under item number 37013.

43932 Express Train Passenger Car.
Prototype: German Federal Railroad (DB) type ABm 225 compartment car. UIC-x standard design. 5 compartments, 1st class, 12 compartments, 2nd class. Ocean blue / beige paint scheme. The car looks as it did in the Mid-Eighties.
Model: The entry doors have one-piece door windows. The entries have fold-up steps. The newly designed underbody is specific to the type of car. The trucks are Minden-Deutz heavy design (type 361) with disk brakes, without magnetic rail brakes, and with type G 150 axle generators at axle bearing R3. The 7319 current conducting couplings or the 72021 current conducting couplers, the 73406 pickup shoe, the 73400/73401 lighting kit (2 per car), and the 73407 marker light kit can be installed in the car. The minimum radius for operation is 360 mm / 14-3/16". A decal set is included.
Length over the buffers 28.2 cm / 11-1/8".
DC wheel set 4 x 700580.

- **Entry doors with one-piece door windows.**
- **Minden-Deutz heavy design (type 361) trucks.**
- **Newly designed underbody with fold-up steps specific to the type of car.**

The electric locomotive to go with this car can be found in the Märklin H0 assortment under item number 37013.

Express Train Passenger Cars

43871 Dining Car.
Prototype: German Federal Railroad (DB) type WRmh 132 dining car. Crimson/ivory paint scheme. Roof with vertical ends. The car looks as it did in the summer of 1985.
Model: The minimum radius for operation is 360 mm / 14-3/16". The underbody and skirting are specific to the type of car. The trucks are a Minden-Deutz design. The 7319 current conducting couplings or the 72020/72021 current conducting couplers, the 73400/73401 lighting kit (2 per car), the 73406 pickup shoe, and the 73407 marker light kit can be installed in the car. Train destination signs and car sequence numbers are included.
Length over the buffers 28.3 cm / 11-1/8".
DC wheel set 4 x 700580.

Express train passenger cars to go with this dining car can be found under item numbers 43912, 43923, 43924, and 43932 in the Märklin H0 assortment.

43923 Express Train Passenger Car.
Prototype: German Federal Railroad (DB) type Bm 234 compartment car. UIC-x standard design. 12 compartments, 2nd class. Ocean blue / beige paint scheme. The car looks as it did in the Mid-Eighties.
Model: The entry doors have one-piece door windows. The entries have fold-up steps. The underbody is specific to the type of car. The trucks are Minden-Deutz heavy design (type 361) with disk brakes, without magnetic rail brakes, and with type G 150 axle generators at axle bearing R3. The 7319 current conducting couplings or the 72021 current conducting couplers, the 73406 pickup shoe, the 73400/73401 lighting kit (2 per car), and the 73407 marker light kit can be installed in the car.
The minimum radius for operation is 360 mm / 14-3/16".
A decal set is included.
Length over the buffers 28.2 cm / 11-1/8".
DC wheel set 4 x 700580.

- **Entry doors with one-piece door windows.**
- **Minden-Deutz heavy design (type 361) trucks.**

The electric locomotive to go with this car can be found in the Märklin H0 assortment under item number 37013.

43924 Express Train Passenger Car.
Prototype: German Federal Railroad (DB) type Bm 234 compartment car. UIC-x standard design. 12 compartments, 2nd class. Ocean blue / beige paint scheme. The car looks as it did in the Mid-Eighties.
Model: The entry doors have one-piece door windows. The entries have fold-up steps. The newly designed underbody is specific to the type of car. The trucks have brake shoes and a separately applied generator. The 7319 current conducting couplings or the 72021 current conducting couplers, the 73406 pickup shoe, the 73400/73401 lighting kit (2 per car), and the 73407 marker light kit can be installed in the car. The minimum radius for operation is 360 mm / 14-3/16". A decal set is included.
Length over the buffers 28.2 cm / 11-1/8".
DC wheel set 4 x 700580.

- **Entry doors with one-piece door windows.**
- **Newly designed underbody specific to the type of car.**

The electric locomotive to go with this car can be found in the Märklin H0 assortment under item number 37013.

43960 Baggage Car.
Prototype: German Federal Railroad (DB) type Dms 905.0 baggage car. Ocean blue / beige paint scheme. Without entry doors at car end 1, with vertical roof ends. The car looks as it did around 1986.
Model: The minimum radius for operation is 360 mm / 14-3/16". The underbody is specific to the type of car. The trucks disk brakes and a separately applied generator. The 7319 current conducting couplings or the 72020/72021 current conducting couplers, the 73406 pickup shoe, the 73400/73401 lighting kit (2 per car), and the 73407 marker light kit can be installed in the car.
Length over the buffers 28.2 cm / 11-1/8".
DC wheel set 4 x 700580.

- **Prototypical tooling changes to the car floor and car body.**

The electric locomotive to go with this car can be found in the Märklin H0 assortment under item number 37013.

Together with models 43912, 43923, 43924, 43932, and 43871 this car allows you to make up a typical express train car consist for D-Zug expresses in Era IV.

43932 43924 43923 43912 43960 37013

Class 103.1 Electric Locomotive

37576 Electric Locomotive.
Prototype: German Federal Railroad (DB) class 103.1 electric locomotive in crimson/beige. With two rows of side vents, without end skirting, with buffer cladding, and single-arm pantographs. Used in IC service. The locomotive looks as it did at the start of the Eighties.
Model: The locomotive has an mfx digital decoder and extensive sound functions. It also has controlled high-efficiency propulsion. 3 axles powered. Traction tires. The triple headlights and dual red marker lights change over with the direction of travel, will work in conventional operation, and can be controlled digitally. The engine room lighting can be controlled separately in digital operation. Maintenance-free warm white and red LEDs are used for the lighting. The locomotive has separately applied metal grab irons. The locomotive has detailed roof equipment.
Length over the buffers 21.9 cm / 8-5/8".

Digital Functions	Control Unit	Mobile Station	Mobile Station 2	Central Station
Headlight(s)	x	x	x	x
Interior lights	x	x	x	x
Electric locomotive op. sounds	x	x	x	x
Locomotive whistle	x	x	x	x
Direct control	x	x	x	x
Sound of squealing brakes off		x	x	x
Headlight(s): Cab2 End		x	x	x
Conductor's Whistle		x	x	x
Headlight(s): Cab1 End		x	x	x
Station Announcements			x	x
Brake Compressor			x	x
Letting off Air			x	x
Switching maneuver			x	x

Heavy Coal Train

26593 Heavy Coal Train.
Prototype: German Federal Railroad (DB) unit train for volume freight. Class 151 in a double unit combination. Type Fad 167 hopper cars. The train looks as it did around 1979.
Model: The set has 1 locomotive with an mfx digital decoder and extensive sound functions. The locomotive has controlled high-efficiency propulsion. Traction tires. 1 locomotive has no motor and the 60941 high-efficiency motor set can be installed in it. Traction tires. Both locomotives are coupled to each other permanently. Triple headlights that change over with the direction of travel are present on both locomotives, will work in conventional operation, and can be controlled digitally. The double "A" lights can be controlled. The set has 10 hopper cars with different car numbers. The cars have load inserts with a layer of real coal. The train is weathered. Total length over the buffers approximately 177.9 cm / 70".

- **Impressive unit train with 10 cars.**
- **Second locomotive ready for installation of the 60941 high-efficiency motor set.**
- **All of the cars have different car numbers.**
- **Coal inserts sprinkled with a layer of real coal.**

One-time series.

A car display to go with this train can be found in the Märklin H0 assortment under item number 00797.

00797

Digital Functions	Control Unit	Mobile Station	Mobile Station 2	Central Station
Headlight(s)	x	x	x	x
Sound of Couplers Engaging	x	x	x	x
Electric locomotive op. sounds	x	x	x	x
Horn	x	x	x	x
Direct control	x	x	x	x
Sound of squealing brakes off		x	x	x
Rear Headlights off		x	x	x
Warning Sound		x	x	x
Front Headlights off		x	x	x
Compressor			x	x
Letting off Air			x	x

26593

Display Type Fad 167 Hopper Cars

00797 Display with 12 Type Fad 167 Hopper Cars.
Prototype: German Federal Railroad (DB) type Fad 167 hopper car, used to transport coal. Version with "Minden-Dorstfeld" type trucks.

Model: The cars have metal frames and end platforms. They also have different car numbers. The cars have load inserts with a layer of real coal. The cars are authentically weathered. Each car is individually packaged.

Length over the buffers per car 13.3 cm / 5-1/4", Total length approximately 159.6 cm / 62-7/8". DC wheel set per car 4 x 700580.

One-time series.

A train set to go with this car display can be found in the Märklin H0 assortment under item number 26593.

00797

26593

Diesel Locomotives

36428 Diesel Locomotive.
Prototype: German State Railroad (DR) class 132 "Ludmilla". The locomotive looks as it did around 1987.
Model: The locomotive has an mfx digital decoder and extensive sound functions. 4 axles powered. Traction tires. The triple headlights change over with the direction of travel, will work in conventional operation, and can be controlled digitally. Maintenance-free warm white LEDs are used for the headlights.
Length over the buffers 23.9 cm / 9-3/8".

One-time series.

Digital Functions	Control Unit	Mobile Station	Mobile Station 2	Central Station
Headlight(s)	x	x	x	x
Diesel locomotive op. sounds	x	x	x	x
Horn	x	x	x	x
Direct control	x	x	x	x
Sound of squealing brakes off		x	x	x
High Pitch Horn		x	x	x
Station Announcements		x	x	x
Low Pitch Horn		x	x	x
Conductor's Whistle			x	x
Rail Joints			x	x
Sanding			x	x
Sound of Couplers Engaging			x	x

36342 Diesel Locomotive.
Prototype: German Federal Railroad (DB) class 335 (Köf III) diesel switch engine in Era V. "Chinese Red" paint scheme. Version with front vent, radio remote control, and switching couplers.
Model: The locomotive has an mfx digital decoder. It also has controlled high-efficiency propulsion. Both axles powered. The triple headlights and dual red marker lights change over with the direction of travel, will work in conventional operation, and can be controlled digitally. Maintenance-free warm white LEDs are used for the headlights. The headlights can be turned off at both ends. The locomotive has a Telex coupler front and rear that can be controlled separately. There is an open view through the cab, and the grab irons are separately applied. Brake lines and switching couplers are included.
Length over the buffers 9.3 cm / 3-5/8".

- **Metal body and frame.**
- **Telex coupler front and rear.**
- **Warm white LEDs for lighting.**

Digital Functions	Control Unit	Mobile Station	Mobile Station 2	Central Station
Headlight(s)	x	x	x	x
Telex coupler on the rear	x	x	x	x
Telex coupler on the front	x	x	x	x
Direct control	x	x	x	x
Headlight(s): Cab2 End		x	x	x
Headlight(s): Cab1 End		x	x	x

mfx Commuter Train

37319 Electric Locomotive.
Prototype: DB Regio AG Baden-Württemberg class 111 general-purpose electric locomotive in Era VI.
Model: The locomotive has an mfx+ digital decoder and extensive sound functions. It also has controlled high-efficiency propulsion. 2 axles powered. Traction tires. The triple headlights and dual red marker lights change over with the direction of travel, will work in conventional operation, and can be controlled digitally. Maintenance-free warm white and red LEDs are used for the lighting.
Length over the buffers 19.1 cm / 7-1/2".

- **mfx+ digital decoder included.**
- **Simulated operating supplies usage.**
- **Realistic running characteristics.**
- **Extensive sound functions.**
- **Warm white and red LEDs for the lighting.**
- **Simulated engineer's cab in the Central Station 2 display.**
- **Control of the model in the cab mode by means of the touchscreen on the Central Station 2.**
- **These new functions are only available in conjunction with the Central Station 2 starting with firmware Version 3.0.1.**

Cars to go with this locomotive can be found in the Märklin H0 assortment under item numbers 43806, 43816, and 43831.

Digital Functions	Control Unit	Mobile Station	Mobile Station 2	Central Station
Headlight(s)	x	x	x	x
Train destination sign	x	x	x	x
Electric locomotive op. sounds	x	x	x	x
Locomotive whistle	x	x	x	x
Direct control	x	x	x	x
Sound of squealing brakes off		x	x	x
Rear Headlights off		x	x	x
Conductor's Whistle		x	x	x
Front Headlights off		x	x	x
Station Announcements			x	x
Brake Compressor			x	x
Letting off Air			x	x
Switching maneuver			x	x

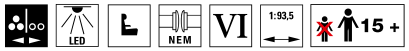
43806 Commuter Car.
Prototype: German Railroad, Inc. (DB AG) commuter car, 2nd class (type Bnrz 451.0). "Silberling" / "Silver Coin" design in the "Traffic Red" commuter service paint scheme with a rounded roof. Car number 50 80 22-34 094-9.
Model: The minimum radius for operation is 360 mm / 14-3/16". The underbody is specific to the car type. The trucks have disk brakes. The 7319 current-conducting couplings or the 72020/72021 current-conducting close couplers, the 73406 pickup shoe, the 73400/73401 (2 per car), and the 73409 marker light kit can be installed on this car.

Length over the buffers 28.2 cm / 11-1/8".
DC wheel set 4 x 700580.

The electric locomotive to go with this car can be found in the Märklin H0 assortment under item number 37319.

43816 Commuter Car.
Prototype: German Railroad, Inc. (DB AG) commuter car, 1st/2nd class (type ABnrz 418). "Silberling" / "Silver Coins" design in the "Traffic Red" commuter service paint scheme with a rounded roof. Car number 50 80 31-34 300-9.
Model: The minimum radius for operation is 360 mm / 14-3/16". The underbody is specific to the car type. The trucks have disk brake. The 7319 current-conducting couplings or the 72020/72021 current-conducting close couplers, the 73406 pickup shoe, the 73400/73401 (2 per car), and the 73409 marker light kit can be installed on this car.
Length over the buffers 28.2 cm / 11-1/8".
DC wheel set 4 x 700580.

The electric locomotive to go with this car can be found in the Märklin H0 assortment under item number 37319.



43831 Cab Control Car.
Prototype: German Railroad, Inc. (DB AG) cab control car, 2nd class with a bicycle compartment (type Bnrdzf 477). "Silberling / Silver Coin" design in the "Traffic Red" commuter service paint scheme. Modernized "Karlsruhe" end without the baggage area but with a bicycle compartment. Car no. 50 80 82-34 324-7.
Model: The minimum radius for operation is 360 mm / 14-3/16". The underbody is specific to the type of car. The trucks have disk shoes. The triple headlights / dual red marker lights change over with the direction of travel in analog and digital operation. Maintenance-free, warm white and red LEDs are used for the headlights and marker lights. The car has a trailing switch. The 7319 current conducting couplings or the 72020/72021 current conducting couplers and the 73400/73401 lighting kit (2 per car) can be installed in the car.
Length over the buffers 28.2 cm / 11-1/8".

When operated control car last (locomotive at the front of the train), a red marker lights shine.

The electric locomotive to go with this car can be found in the Märklin H0 assortment under item number 37319.

43831 43816 43806 37319

Commuter Train

43961 Baggage Car.
Prototype: German Railroad, Inc. (DB AG) type Dduu 498.1 baggage car. "Traffic Red" basic paint scheme. Without entry doors at car end 1, with vertical roof ends. The car looks as it did around 2003.
Model: The minimum radius for operation is 360 mm / 14-3/16". The underbody is specific to the type of car. The trucks disk brakes and a separately applied generator. The 7319 current conducting couplings or the 72020/72021 current conducting couplers, the 73406 pickup shoe, the 73400/73401 lighting kit (2 per car), and the 73407 marker light kit can be installed in the car. Length over the buffers 28.2 cm / 11-1/8".
DC wheel set 4 x 700580.

- **Prototypical tooling changes to the car floor and car body.**

The class 111 electric locomotive to go with this car can be found under item number 37319 in the Märklin H0 assortment.

Together with models 43806, 43816, and 43831 this car allows you to make up a typical commuter train car consist in Era V/VI.

37863 Diesel Locomotive.
Prototype: DB Schenker Rail Deutschland AG class 363 diesel switch engine. Diesel hydraulic drive with a jackshaft. The locomotive looks as it did around 2011.
Model: The locomotive has an mfx digital decoder and extensive sound functions. It also has controlled high-efficiency propulsion, centrally mounted. 3 axles and a jackshaft powered. Traction tires. The triple headlights will work in conventional operation and can be controlled digitally. The locomotive has Telex couplers front and rear that can be controlled separately in digital operation. It also has metal end handrails.
Length over the buffers 12.0 cm / 4-3/4".

- **Telex couplers for remote uncoupling from cars.**
- **Extensive sound functions.**
- **Double "A" light can be controlled.**

Digital Functions	Control Unit	Mobile Station	Mobile Station 2	Central Station
Headlight(s)	x	x	x	x
Telex coupler on the rear	x	x	x	x
Diesel locomotive op. sounds	x	x	x	x
Horn	x	x	x	x
Telex coupler on the front	x	x	x	x
Direct control		x	x	x
Rear Headlights off		x	x	x
Warning Sound		x	x	x
Front Headlights off		x	x	x
Sound of squealing brakes off			x	x
Switching maneuver			x	x
Brake Compressor			x	x
Operating sounds			x	x
Cab Radio			x	x
Rail Joints			x	x

Class 146.2 Electric Locomotive

märklin HO

37465 Electric Locomotive.
Prototype: German Railroad, Inc. (DB AG) class 146.2 electric locomotive. The locomotive looks as it did around 2012.
Model: The locomotive has an mfx digital decoder and extensive sound functions. It also has controlled high-efficiency propulsion. 4 axles powered. Traction tires.

The triple headlights and dual red marker lights change over with the direction of travel, will work in conventional operation, and can be controlled digitally. Lighted train destination signs, Maintenance-free warm white and red LEDs are used for the lighting.
Length over the buffers approximately 21.7 cm / 8-1/2".

Digital Functions	Control Unit	Mobile Station	Mobile Station 2	Central Station
Headlight(s)	x	x	x	x
Station Announcements	x	x	x	x
Electric locomotive op. sounds	x	x	x	x
Horn	x	x	x	x
Direct control	x	x	x	x
Sound of squealing brakes off		x	x	x
Headlight(s): Cab2 End		x	x	x
High Pitch Horn		x	x	x
Headlight(s): Cab1 End		x	x	x
Conductor's Whistle			x	x
Compressor			x	x
Letting off Air			x	x

Class 648.2 Diesel Powered Commuter Car

39730 Diesel Powered Commuter Car.
Prototype: German Railroad, Inc. (DB AG) class 648.2 (LINT 41) diesel powered commuter car. Version with low entries. The train looks as it did in 2011.
Model: The train has four built-in displays that represent the doors in digital operation and that can play back typical scenes for boarding and leaving the train. The train has an mfx digital decoder and extensive sound functions. It also has controlled high-efficiency propulsion located in the Jakobs truck. 2 axles powered. Traction tires. The train has factory-installed interior lighting. Maintenance-free warm white LEDs are used for the headlights and interior lighting. Yellow LEDs are used as in the prototype for the train destination signs. The headlights, train destination signs, interior lights, and dual red marker lights will work in conventional operation and can be controlled digitally. The frame and body have detailed construction, an open view, interior details with 29 standing and seated figures, a closed diaphragm, and a guide mechanism on the Jakobs truck between the train halves. The ends of the train have a representation of the center buffer couplers.
Total length 48.1 cm / 18-15/16".

- **4 built-in displays.**
- **Factory-installed interior lighting.**
- **Interior details with 29 seated and standing figures.**
- **mfx decoder with extensive sound functions.**
- **Lighted train destination signs.**

One-time series.

Digital Functions	Control Unit	Mobile Station	Mobile Station 2	Central Station
Headlight(s)	x	x	x	x
Right front doors	x	x	x	x
Diesel locomotive op. sounds	x	x	x	x
Right rear doors	x	x	x	x
Direct control	x	x	x	x
Left front doors		x	x	x
Interior lights		x	x	x
Left rear doors		x	x	x
Station Announcements		x	x	x
Sound of squealing brakes off			x	x
Horn			x	x
Headlight(s): Cab2 End			x	x
Conductor's Whistle			x	x
Headlight(s): Cab1 End			x	x
Light Function			x	x

S-Bahn Powered Rail Car Train

37506 S-Bahn Powered Rail Car Train.
Prototype: German Railroad, Inc. (DB AG) class 420 S-Bahn powered rail car train. The looks as it currently does in real life in the "Traffic Red" commuter service paint scheme. Road numbers 420 363-4, 421 363-3, 420 863-3.
Model: The train has an mfx digital decoder and extensive sound functions. It also has controlled high-efficiency propulsion. Four axles on the intermediate car are powered through cardan shafts. The frame for the intermediate car is constructed of die-cast metal. The lighting is done with warm white LEDs, and it will work in conventional operation. The train has triple headlights and dual red marker lights that change over with the direction of travel. The end cars have a pickup shoe changeover feature so that the pickup shoe at the front of the train is the one picking up power. Lighted destination signs along with the headlights / marker lights can be controlled digitally. There is a close coupler guide mechanism and electrical connections between the cars. The special coupling included with the train allows it to be coupled to other ET 420 units for prototypical operation. The train has factory-installed interior lighting. The bodies for the train are made of highly detailed plastic with many separately applied details such as grab irons, electrical connections, windshield wipers, antennas, whistles, and horns. The train has a multi-color interior. The ends of the train have a detailed representation of the Scharfenberg coupler (a dummy coupler). Different authentic destination signage is included with the train.
Length over the couplers 77.5 cm / 30-1/2".

- **Highly detailed scale construction.**
- **Prototypical interior details.**
- **Maintenance-free warm white LEDs for the lighting.**
- **5-pole skewed armature motor with a flywheel for silky smooth running characteristics.**
- **Pickup shoe changeover feature.**

Digital Functions	Control Unit	Mobile Station	Mobile Station 2	Central Station
Headlight(s)	x	x	x	x
Interior lights	x	x	x	x
Operating sounds	x	x	x	x
Warning Sound	x	x	x	x
Direct control	x	x	x	x
Sound of squealing brakes off		x	x	x
Rear Headlights off		x	x	x
Doors Closing		x	x	x
Front Headlights off		x	x	x

Powered Rail Car Train

37703 Powered Rail Car Train.
Prototype: German Railroad, Inc. (DB AG) class 401 ICE 1 InterCityExpress high-speed train. The train looks as it currently does in real life.
Model: The train is a five-part version. It has an mfx digital decoder and extensive sound functions. 2 axles powered. Traction tires. The train has factory-installed interior lighting. Warm white LEDs are used for the headlights and interior lighting. The frames for the powered end cars are constructed of metal. The headlights and interior lighting will work in conventional operation and can be controlled digitally.
Train length approximately 123.5 cm / 48-5/8".

One-time series.

The 37703 basic set can be expanded to an 8-part unit with the 43705 add-on set.

Digital Functions	Control Unit	Mobile Station	Mobile Station 2	Central Station
Headlight(s)	x	x	x	x
Conductor's Whistle	x	x	x	x
Locomotive operating sounds	x	x	x	x
Horn blast 1	x	x	x	x
Direct control	x	x	x	x
Doors Closing		x	x	x
Station Announcements		x	x	x
Horn blast 2		x	x	x
Stat. Announce. – Engl.		x	x	x
Sound of squealing brakes off			x	x

37703 43705 37703 43705 37703

Add-On Car Set

43705 Add-On Car Set.
Prototype: 2 x type Bvmz, 2nd class, and 1 x type Avmz, 1st class. Intermediate cars for the ICE 1.
Model: The 3 intermediate cars are an add-on to the 37703 train. The cars have special close couplings with guide mechanisms. The interior lighting is powered by means of continuous electrical connection in the entire train.
Total length approximately 79.2 cm / 31-3/16".

One-time series.

The 37703 basic set can be extended to an 8-part unit with the 43705 add-on car set.

“LINT” Diesel Powered Rail Car Train

37738 “LINT” Diesel Powered Commuter Rail Car Train.
Prototype: Bavarian Regiobahn BRB LINT 41 diesel powered commuter rail car train. Version as the “Puppenkistenzug” / Puppenkiste Marionette Theater Train. Use: Commuter service in the greater Augsburg area and Ingolstadt.
Model: The model has an mfx digital decoder and extensive sound functions. It also has controlled high-efficiency propulsion. The model also has a powerful can motor and a flywheel, mounted in a Jakobs truck. 2 axles powered. Traction tires. The model has factory-installed interior lighting. The headlights and interior lights are maintenance-free, warm white LEDs. The destination signs are prototypically correct with yellow LEDs. The headlights, interior lights, destination signs, and 2 red marker lights will work in conventional operation and can be controlled digitally. The running gear and the body are well detailed and there is a clear view through the windows. The model has interior details, a closed diaphragm, and a guide mechanism on the Jakobs truck between the two halves of the unit. Center buffer couplers are represented at the ends of the model. Total length 48.1 cm / 18-15/16“.

One-time series.

Special version with themes from the Augsburg Puppenkiste Marionette Theater.

This diesel powered rail car train can be found in a DC version in the Trix H0 assortment under item number 22377.

Digital Functions	Control Unit	Mobile Station	Mobile Station 2	Central Station
Headlight(s)	x	x	x	x
Interior lights	x	x	x	x
Diesel locomotive op. sounds	x	x	x	x
Warning Sound	x	x	x	x
Direct control	x	x	x	x
Sound of squealing brakes off		x	x	x
Rear Headlights off		x	x	x
Station Announcements		x	x	x
Front Headlights off		x	x	x
Doors Closing			x	x
Conductor’s Whistle			x	x

Gang Car / Freight Cars

Production of different versions of these vehicles as successors to the class KLV 01 was started in the Forties. The class KLV 04 was available as the type C3 (with a relatively large storage area) with a permanent superstructure and with a hinged roof, i.e. as a convertible, which was later rebuilt in part to a permanent superstructure due to the limited life span of the folding roof. The class KLV 04 was equipped with a 2-cylinder, 2-cycle motor and often had a 10 liter / approximately 2.5 gallon gasoline tank.

III 15 +

46779 District Inspector's Class KLV 04 Gang Car.
Prototype: German Federal Railroad (DB) 3-seat class KLV 04 district inspector's gang car, open variant without a roof.
Model: The superstructure is constructed of metal. The model has a prototypical paint scheme and lettering. The model also has interior details. It is not powered but can be rolled.
Length approximately 2.8 cm / 1-1/8".

One-time series.

VI 15 +

44209 Beer Car.
Prototype: Privately owned car painted and lettered for the brewery Bayerischen Staatsbrauerei Weihenstephan, Freising, Germany.
Model: The car has Relex couplers.
Length over the buffers 11.5 cm / 4-1/2".
DC wheel set 2 x 700580.

NEM V 15 +

47566 Tank Car.
Prototype: Privately owned car painted and lettered for On Rail GmbH. Tank car with a funnel-flow tank and a ladder at the end, registered in Germany.
Model: The tank car has a finely detailed, partially open frame. The platform and catwalk are separately applied. The tank car has type Y 25 trucks.
Length over the buffers 18 cm / 7-1/8".
DC wheel set 4 x 700580.

One-time series.

Switzerland

29463 "Swiss Rail Service" Digital Mega Starter Set. 230 Volts.

Prototype: Swiss Federal Railways (SBB/CFF/FFS) passenger train and freight train. A class 460 electric locomotive with advertising lettering and a class Ae 6/6 electric locomotive. A type Apm EuroCity express train passenger car, 1st class, and 2 type Bpm EuroCity express train passenger cars, 2nd class, in the current paint scheme. A type Rilns 16 four-axle sliding tarp car, a type Hbis sliding wall boxcar, a type Zans funnel-flow tank car, and a type Snps double stake car.

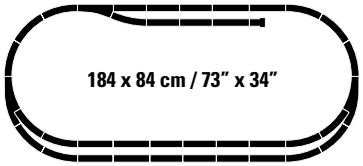
Model: Both locomotives have mfx digital decoders, controlled high-efficiency propulsion, and extensive sound functions. The class Re 460 electric locomotive has 2 axles powered and traction tires. It also has triple headlights and 2 red marker lights that change with the direction of travel, will work in conventional operation, and can be controlled digitally. The Re 460 has long-distance headlights that can be controlled digitally. The headlight / marker light changeover feature can be switched between the Swiss system and the white/red system. The class Ae 6/6 electric locomotive has 3 axles powered and traction tires.

Total length of the passenger train with the class Re 460: 101.8 cm / 40-1/16".
Total length of the freight train with the class Ae 6/6: 78.1 cm / 30-3/4".

- **A complete digital railroad: 2 complete trains, Central Station, and a large C Track layout.**

Contents: The set has a large C Track layout with 3 turnouts. It also has a Central Station. The set has a 60 VA switched mode power pack to provide power to the Central Station and to accessories. Hardware material for connections is included. Extensive setup and operating instructions are also included.

One-time series.



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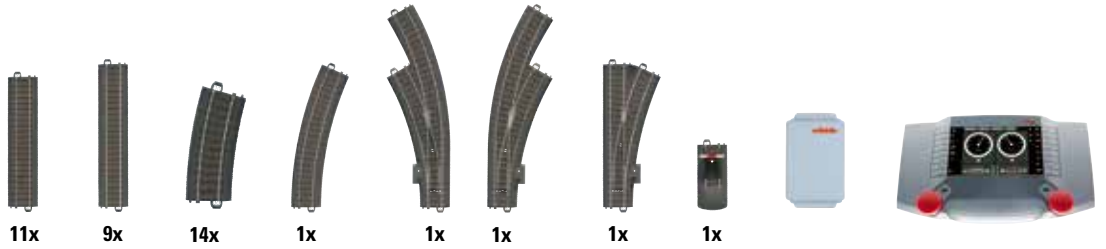

This set can be expanded with the C Track extension sets and with the entire C Track program. The 74491 turnout mechanism and the 74461 decoder can be installed in the turnouts.

Digital Functions BR 218	Control Unit	Mobile Station	Mobile Station 2	Central Station
Headlight(s)	x	x	x	x
Electric locomotive op. sounds	x	x	x	x
Locomotive whistle	x	x	x	x
Direct control	x	x	x	x
Sound of squealing brakes off		x	x	x
Headlight(s): Cab2 End		x	x	x
Main Relay		x	x	x
Headlight(s): Cab1 End		x	x	x
Brake Compressor		x	x	x
Blower motors		x	x	x

Digital Functions Re 460	Control Unit	Mobile Station	Mobile Station 2	Central Station
Headlight(s)	x	x	x	x
Light Function	x	x	x	x
Electric locomotive op. sounds	x	x	x	x
Horn	x	x	x	x
Direct control	x	x	x	x
Sound of squealing brakes off		x	x	x
Headlight(s): Cab2 End		x	x	x
Locomotive operating sounds		x	x	x
Headlight(s): Cab1 End		x	x	x
Long distance headlights		x	x	x

37547 TEE Electric Powered Rail Car Train.
Prototype: Swiss Federal Railways (SBB/CFF/FFS) class RAe four-system electric powered rail car train, 1st class. 6 part unit with 1 control car, 1 open seating car, 1 motor car with a galley, 1 bar car with an open seating compartment, 1 open seating car, and 1 control car. Crimson red / beige TEE basic paint scheme as RAe TEE 1052 "Cisalpin". Used in international TEE service from Milan via Domodossola – Simplon-Brig – Lausanne – Vallorbe – Dijon to Paris. The train looks as it did in the mid-Seventies.
Model: The train has the new mfx+ digital decoder and extensive sound functions mounted in the motor car. It also has controlled high-efficiency propulsion with a flywheel, centrally mounted in the motor car. 4 axles powered through cardan shafts. Traction tires. The triple headlights and dual red marker lights change over with the direction of travel, will work in conventional operation, and can be controlled digitally. The train has factory-installed interior lighting that can be controlled separately in digital operation. The cab lighting in engineer's cabs 1 and 2 can each be controlled separately in digital operation. Maintenance-free warm white and red LEDs are used for the lighting. The train has four different pantographs in an offset arrangement and detailed roof equipment. The train also has separately applied metal grab irons. The engineer's cabs and the passenger areas have interior details. There is a special close-coupled mechanical and electrical connection between the cars. Both end cars have pickup shoes, and the power pickup switches automatically to the pickup shoe at the front of the train. The ends of the train have a representation of the Scharfenberg coupler (non-working). Minimum radius for operation 360 mm / 14-3/16".
Train length approximately 161.0 cm / 63-3/8".

- **Equipped with the new mfx+ digital decoder.**
- **Operation possible in beginner, advanced, and expert modes.**
- **Simulated operating supplies usage.**
- **Realistic running characteristics such as constant speed.**
- **Simulated engineer's cab in the Central Station 2 display.**
- **Control of the model in the cab mode by means of the touchscreen on the Central Station 2.**
- **These new functions are only available in conjunction with the Central Station 2 starting with firmware Version 3.0.**

One-time series.

Digital Functions	Control Unit	Mobile Station	Mobile Station 2	Central Station
Headlight(s)	x	x	x	x
Interior lights	x	x	x	x
Electric locomotive op. sounds	x	x	x	x
Warning Sound	x	x	x	x
Direct control	x	x	x	x
Sound of squealing brakes off		x	x	x
Engineer's cab lighting		x	x	x
Stat. Announce. – Swiss		x	x	x
Engineer's cab lighting		x	x	x
Doors Closing			x	x
Conductor's Whistle			x	x
Pantograph Sounds			x	x
Rail Joints			x	x
"Switcher Double ""A"" Light"			x	x

37568 "Crocodile" Electric Locomotive.
Prototype: Swiss Federal Railways (SBB) class Be 6/8 II freight locomotive. Class from the first production series. A dark brown version as it originally looked around 1922, walk-over plates at the ends, small steps for brakemen, without a wrong track operation light, and without an inductive magnet. Locomotive road number 14268. A pine green version, with open buffers, with some cab doors sealed, without walk-over plates at the ends, with wide steps for brakemen, with a wrong track operation light, and with an inductive magnet. The locomotive looks as it did around 1963.
Model: The locomotive has an mfx digital decoder and extensive sound functions. It also has 2 controlled, high-efficiency propulsion systems with flywheels, 1 motor for each powered truck. 3 axles and jackshaft powered in each powered truck. Traction tires. The locomotive frame is articulated to enable the locomotive to negotiate sharp curves. The triple headlights and 1 white marker light (Swiss headlight / marker light code) change over with the direction of travel, will work in conventional operation, and can be controlled digitally. When the locomotive is running "light" the lighting can be changed to 1 red marker light. Maintenance-free warm white and red LEDs are used for the lighting. The locomotives have highly detailed metal construction with many separately applied details. The locomotive body comes in 3 parts with hoods that swing out separately. The roof equipment is detailed with safety grills beneath the pantographs.
Length over the buffers 22.3 cm / 8-3/4".

- **Highly detailed metal construction.**
- **mfx decoder with extensive sound functions.**
- **Locomotive powered with 2 high-efficiency propulsion systems, each with a flywheel.**

Digital Functions	Control Unit	Mobile Station	Mobile Station 2	Central Station
Headlight(s)	x	x	x	x
Marker light(s)	x	x	x	x
Electric locomotive op. sounds	x	x	x	x
Locomotive whistle	x	x	x	x
Direct control	x	x	x	x
Sound of squealing brakes off		x	x	x
Whistle for switching maneuver		x	x	x
Sound of Couplers Engaging		x	x	x
Stat. Announce. – Swiss		x	x	x
Letting off steam / air			x	x
Blower motors			x	x
Brake Compressor			x	x
Pantograph Sounds			x	x

Switzerland

37348 Electric Locomotive.
Prototype: Swiss Federal Railways (SBB) class Re 4/4 II (class 420) electric locomotive. Rebuilt version as part of the LION program. “Fire Red” basic paint scheme. The locomotive looks as it currently does in real life.
Model: The locomotive has an mfx digital decoder and extensive sound functions. It also has controlled high-efficiency propulsion. 2 axles powered. Traction tires. The triple headlights and 1 white marker light (Swiss light code) change over with the direction of travel, will work in conventional operation, and can be controlled digitally. When the locomotive is running “light” the lighting can be switched to 1 red marker light. The headlights at Locomotive End 2 and 1 can be turned off separately in digital operation. When the headlights are turned off at both ends of the locomotive, then the double “A” light is on as a red emergency light. Maintenance-free warm white and red LEDs are used for the lighting. The locomotive has separately applied metal grab irons on the sides and the ends. It also has a representation of the air conditioning on the sides. The couplers can be replaced by end skirting included with the locomotive.
Length over the buffers 17.1 cm / 6-3/4“.

- **Rebuilt version with new air conditioning, rear view mirror, and headlights.**

The class Re 4/4 II (class 420) electric locomotive goes well with the 5-part express train passenger car set, item number 43672, to make up a prototypical train for IC 187 on the route Stuttgart Hbf – Zürich HB.

Digital Functions	Control Unit	Mobile Station	Mobile Station 2	Central Station
Headlight(s)	x	x	x	x
Marker light(s)	x	x	x	x
Electric locomotive op. sounds	x	x	x	x
Locomotive whistle	x	x	x	x
Direct control	x	x	x	x
Sound of squealing brakes off		x	x	x
Headlight(s): Cab2 End		x	x	x
Long distance headlights		x	x	x
Headlight(s): Cab1 End		x	x	x
Conductor’s Whistle			x	x
Whistle for switching maneuver			x	x
Main Relay			x	x
Compressor			x	x

43672 37348

43672 InterCity Express Train Passenger Car Set.
Prototype: 5 different Swiss Federal Railways (SBB) InterCity express train passenger cars in the so-called EC-Refit design. 1 type Apm InterCity open seating car, 1st class. 4 type Bpm InterCity open seating cars, 2nd class. The cars look as they did in 2013 for IC 187 on the route Stuttgart Hbf – Zürich HB.
Model: All of the cars have train destination signs and different car numbers 301 to 305. They also have adjustable buffers. The 7319 current-conducting couplings or the 72020/72021 current-conducting, separable close couplers can be installed on the cars. All of the cars come individually packaged, with a master carton.
Total length over the buffers 133.0 cm / 52-3/8".
DC wheel set per car 4 x 700580.

- **Prototypical representation of IC 187 for the route Stuttgart Hbf – Zürich HB.**

The class Re 4/4 II electric locomotive to go with this car set can be found under item number 37348 in the Märklin H0 assortment.

Switzerland

37446 Electric Locomotive.
Prototype: SBB Cargo class 482 electric locomotive. The locomotive looks as it did around 2012.
Model: The locomotive has an mfx digital decoder and extensive sound functions. It also has controlled high-efficiency propulsion. 4 axles powered. Traction tires. The triple headlights and dual red marker lights change over with the direction of travel, will work in conventional operation, and can be controlled digitally. Long-distance headlights can also be turned on. The headlights / marker lights can be switched to the Swiss headlight / marker light code. Maintenance-free warm white and red LEDs are used for the lighting.
Length over the buffers approximately 21.7 cm / 8-1/2".

One-time series.

Digital Functions	Control Unit	Mobile Station	Mobile Station 2	Central Station
Headlight(s)	x	x	x	x
Light Function	x	x	x	x
Electric locomotive op. sounds	x	x	x	x
Horn	x	x	x	x
Direct control	x	x	x	x
Sound of squealing brakes off		x	x	x
Headlight(s): Cab2 End		x	x	x
High Pitch Horn		x	x	x
Headlight(s): Cab1 End		x	x	x
Long distance headlights			x	x
Compressor			x	x
Letting off Air			x	x

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TGV Lyria

37792 TGV Lyria High-Speed Train.
Prototype: TGV Lyria (train à grande vitesse) high-speed train, as a joint project of the French State Railways (SNCF) and the Swiss Federal Railways (SBB) in the version for service from Paris to Basle, Zürich, Bern, Lausanne, and Geneva. 2 powered end cars, 1 transition car (R1), 1st/2nd class, 1 transition car (R8), 2nd class. Powered rail car road number 4410. The train looks as it did in 2013.
Model: The train is a 4-part set. Both end cars (TK1 and TK2) are powered. The train has an mfx digital decoder and extensive sound functions. It has controlled, high-efficiency propulsion in both powered end cars, centrally mounted. 4 axles powered through cardan shafts in each end car. Traction tires. The train has factory-installed interior lighting. The triple headlights and dual red marker lights change over with the direction of travel. They and the interior lighting will work in conventional operation and can be controlled digitally. The third headlight for the French headlight code can be turned off separately in digital operation. The headlights and interior lighting are maintenance-free, warm white LEDs and the marker lights are maintenance-free red LEDs. The train has separately applied metal grab irons. It also has inset windshield wipers. The engineer's cabs in the powered end cars have interior details. A powered end car and a transition car are permanently coupled together in pairs and have special close couplings with a guide mechanism. There is an additional guide mechanism in the Jakobs truck. The transition cars have roof hoods. The end cars have a pickup shoe change-over feature so that the pickup shoe at the front of the train is the one picking up power. The interior lighting is powered through a continuous electrical connection through the entire train. Each powered end car has 2 different design single-arm pantographs. The pantographs work mechanically but are not wired to take power. The train is a scale reproduction. The minimum radius for operation is therefore 360 mm / 14-3/16", when there is sufficient clearance on both sides.
Length of the 4-part set 101 cm / 39-3/4".

- **Scale 1:87 reproduction.**
- **Factory-installed interior lighting.**
- **Extensive sound functions.**
- **Warm white LEDs for lighting.**
- **Both end cars powered.**
- **New roof hoods on the transition cars.**

One-time series.

The 37792 basic set can be expanded with the 43422, 43432, and 43442 extension sets to a prototypical 10-car unit.

Digital Functions	Control Unit	Mobile Station	Mobile Station 2	Central Station
Headlight(s)	x	x	x	x
Interior lights	x	x	x	x
Light Function1	x	x	x	x
Electric locomotive op. sounds	x	x	x	x
Horn	x	x	x	x
Direct control	x	x	x	x
Sound of squealing brakes off		x	x	x
Doors Closing		x	x	x
Whistle for switching maneuver		x	x	x
Conductor's Whistle		x	x	x
Station Announcements			x	x
Stat. Announce. – Fren.			x	x
Stat. Announce. – Swiss			x	x

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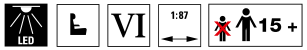
37792 43422 43442 43432 37792

TGV Lyria

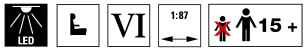


43422 Add-On Car Set 1 for the TGV Lyria.
Prototype: TGV Lyria (train à grande vitesse) high-speed train, as a joint project of the French State Railways (SNCF) and the Swiss Federal Railways (SBB) in the version for service from Paris to Basle, Zürich, Bern, Lausanne, and Geneva. 1 intermediate car (R2), 1st class, and 1 intermediate car (R3), 1st class with support frame and removed Wifi antenna. Powered rail car train road number 4410. The cars look as they did in 2013.
Model: 2-part add-on car set for lengthening the TGV Lyria high-speed train, item no. 37792, to a 10-car unit. The cars have factory-installed interior lighting with maintenance-free, warm white LEDs. The interior lighting is powered through a continuous electrical connection through the entire train. The two intermediate cars are permanently coupled together. There is a guide mechanism in the Jakobs trucks. Intermediate car R3 has a support frame and removed Wifi antenna. The cars are a scale reproduction. The minimum radius for operation is therefore 360 mm / 14-3/16", when there is sufficient clearance on both sides.
Length of the pair of cars 43 cm / 16-15/16".

- **Factory-installed interior lighting.**
- **Warm white LEDs for lighting.**
- **Intermediate car R3 is prototypical with a support frame and removed Wifi antenna.**
- **New roof hoods on the on both intermediate cars.**

One-time series.

The 37792 basic set can be expanded with the 43422, 43432, and 43442 extension sets to a prototypical 10-car unit.

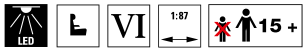


43442 Add-On Car Set 3 for the TGV Lyria.
Prototype: TGV Lyria (train à grande vitesse) high-speed train, as a joint project of the French State Railways (SNCF) and the Swiss Federal Railways (SBB) in the version for service from Paris to Basle, Zürich, Bern, Lausanne, and Geneva. 1 intermediate car (R4), bar car and 2nd class, and 1 intermediate car (R5), 2nd class. Powered rail car train road number 4410. The cars look as they did in 2013.
Model: 2-part add-on car set for lengthening the TGV Lyria high-speed train, item no. 37792, to a 10-car unit. The cars have factory-installed interior lighting with maintenance-free, warm white LEDs. The interior lighting is powered through a continuous electrical connection through the entire train. The two intermediate cars are permanently coupled together. There is a guide mechanism in the Jakobs trucks. Both intermediate cars have roof hoods. The cars are a scale reproduction. The minimum radius for operation is therefore 360 mm / 14-3/16", when there is sufficient clearance on both sides.
Length of the pair of cars 43 cm / 16-15/16".

- **Factory-installed interior lighting.**
- **Warm white LEDs for lighting.**
- **New roof hoods on the on both intermediate cars.**

One-time series.

The 37792 basic set can be expanded with the 43422, 43432, and 43442 extension sets to a prototypical 10-car unit.



43432 Add-On Car Set 2 for the TGV Lyria.
Prototype: TGV Lyria (train à grande vitesse) high-speed train, as a joint project of the French State Railways (SNCF) and the Swiss Federal Railways (SBB) in the version for service from Paris to Basle, Zürich, Bern, Lausanne, and Geneva. 1 intermediate car (R6), 2nd class, and 1 intermediate car (R7), 2nd class. Powered rail car train road number 4410. The cars look as they did in 2013.
Model: 2-part add-on car set for lengthening the TGV Lyria high-speed train, item no. 37792, to a 10-car unit. The cars have factory-installed interior lighting with maintenance-free, warm white LEDs. The interior lighting is powered through a continuous electrical connection through the entire train. The two intermediate cars are permanently coupled together. There is a guide mechanism in the Jakobs trucks. Both intermediate cars have roof hoods. The cars are a scale reproduction. The minimum radius for operation is therefore 360 mm / 14-3/16", when there is sufficient clearance on both sides.
Length of the pair of cars 43 cm / 16-15/16".

- **Factory-installed interior lighting.**
- **Warm white LEDs for lighting.**
- **New roof hoods on the on both intermediate cars.**

One-time series.

The 37792 basic set can be expanded with the 43422, 43432, and 43442 extension sets to a prototypical 10-car unit.

Austria

37684 Electric Locomotive.
Prototype: Austrian Federal Railways (ÖBB) class 1018.0 electric locomotive in a pine green basic paint scheme. Rebuilt version corresponding to the ÖBB standardization of this class starting in 1966. Road number 1018.04. The locomotive looks as it did about the start of the Seventies.
Model: The locomotive has an mfx digital decoder and a locomotive whistle sound that can be controlled. It also has controlled high-efficiency propulsion. 2 axles powered. Traction tires. The triple headlights and 1 red marker light change over with the direction of travel, will work in conventional operation, and can be controlled digitally. The headlights are the so-called "Stielaugen" / "Telescope Eyes". The headlights at locomotive ends 2 and 1 can be turned off separately in digital operation. When the headlights are turned off at both ends, the double "A" lights are on. Maintenance-free warm white and red LEDs are used for the lighting. The engineer's cabs and engine room have interior details. The body has numerous separately applied details. The locomotive has prototypical double-arm pantographs. It also has a finely detailed frame with prototypical reproduction of the quill drive wheels. The buffers are made of metal and are separately applied in convex and flat versions.
Length over the buffers 19.5 cm / 7-11/16".

- **ÖBB rebuilt version with so-called "Stielaugen" / "Telescope Eyes" headlights.**
- **Highly detailed metal body.**
- **mfx decoder with locomotive whistle sound.**
- **Warm white and red LEDs are used for the lighting.**

One-time series.

Digital Functions	Control Unit	Mobile Station	Mobile Station 2	Central Station
Headlight(s)	x	x	x	x
Locomotive whistle	x	x	x	x
Direct control	x	x	x	x
Headlight(s): Cab2 End		x	x	x
Headlight(s): Cab1 End		x	x	x

Austria

39841 Electric Locomotive.
Prototype: Austrian Federal Railways (ÖBB) class 1116 general-purpose locomotive. The locomotive looks as it did around 2006.
Model: The locomotive has an mfx digital decoder and extensive sound functions. It also has controlled high-efficiency propulsion. 4 axles powered. Traction tires. The triple headlights and dual red marker lights change over with the direction of travel, will work in conventional operation, and can be controlled digitally. Maintenance-free warm white LEDs are used for the headlights. The engineer's cabs have interior details. The locomotive has separately applied metal grab irons. Length over the buffers 22.5 cm / 8-7/8".

One-time series.

Passenger cars to go with this locomotive can be found in the 42728 set.

Digital Functions	Control Unit	Mobile Station	Mobile Station 2	Central Station
Headlight(s)	x	x	x	x
Long distance headlights	x	x	x	x
Electric locomotive op. sounds	x	x	x	x
Horn	x	x	x	x
Direct control	x	x	x	x
Sound of squealing brakes off		x	x	x
Headlight(s): Cab2 End		x	x	x
High Pitch Horn		x	x	x
Headlight(s): Cab1 End		x	x	x
Station Announcements			x	x
Conductor's Whistle			x	x
Compressor			x	x
Letting off Air			x	x

42728 39841

7330 | NEM | V | 15 +

42728 EC Express Train Passenger Car Set.
Prototype: 5 different Austrian Federal Railways (ÖBB) EC express train passenger cars. 2 type Ampz 18-71.0 open seating cars, 1st class , 2 type Bmz 21-71.0 compartment cars, 2nd class, and 1 type Bmpz 29-91 open seating car, 2nd class. The cars look as they did in Era V.
Model: The 7319 current-conducting couplings or the 72020/72021 current-conducting, separable close couplers can be installed on the cars.
Total length over the buffers approximately 132.0 cm / 52".
DC wheel set: per car 4 x 700580.

One-time series.

France

29255 “French Construction Train” Digital Starter Set. 230 Volts.

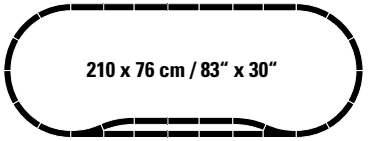
Prototype: French State Railways (SNCF) construction train. Class BB 22200 electric locomotive in an infra paint scheme. 1 Krupp-Ardelt crane car with a boom support car, 1 type Eaos gondola with a load insert of “sand”, and 1 type Gs boxcar.

Model: The locomotive has an mfx digital decoder and a controllable horn sound. It also has controlled high-efficiency. 2 axles powered. Traction tires. The locomotive has dual headlights and 2 red marker lights that change with the direction of travel, will work in conventional operation, and can be controlled digitally. The lighting is done with maintenance-free warm white and red LEDs. The crane car has a cab that can be rotated, a boom that can be moved, and a hand crank for the crane line. The boom car has a support for the boom.
Train length 68.4 cm / 26-15/16“.

Contents: 12 no. 24130 curved track, 8 no. 24188 straight track, 7 no. 24172 straight track, 2 no. 24224 curved track, and 1 pair of no. 24612 and no. 24611 turnouts. Track connector box, switched mode power pack rated at 230 volts / 36 VA, and a Mobile Station. An illustrated instruction book with many tips and ideas is included with the set. This set can be expanded with the C Track extension sets and with the entire C Track program.

One-time series.

Digital Functions	Control Unit	Mobile Station	Mobile Station 2	Central Station
Headlight(s)	x	x	x	x
Horn	x	x	x	x
Direct control	x	x	x	x
Headlight(s): Cab2 End		x	x	x
Headlight(s): Cab1 End		x	x	x



29255

7x 8x 12x 2x 1x 1x

29255

37167 Tank Locomotive.
Prototype: French State Railways (SNCF) class 050 TA (former class 94.5) freight tank locomotive. Green basic paint scheme with a black smoke box. Without a pre-heater and without a smoke stack attachment. Road number 050 TA 23.
Model: The locomotive has the new mfx+ digital decoder and extensive sound functions. It also has controlled high-efficiency propulsion with a flywheel in the boiler. 5 axles powered. Traction tires. The locomotive is constructed mostly of metal. A 72270 smoke unit can be installed in the locomotive. The dual headlights change over with the direction of travel. They and the smoke unit that can be installed in the locomotive will work in conventional operation and can be controlled digitally. Maintenance-free warm white LEDs are used for the lighting. Piston rod protection sleeves and brake hoses are included.
Length over the buffers 14.6 cm / 5-3/4".

- **Prototypical tooling changes, without a pre-heater and a smoke stack attachment, with a rounded cab roof.**
- **A wide variety of operating and sound functions that can be controlled.**
- **Equipped with the new mfx+ digital decoder.**
- **Operation possible in beginner, advanced, and expert modes.**
- **Simulated operating supplies usage.**
- **Realistic running characteristics such as constant speed.**
- **Simulated engineer's cab in the Central Station 2 display.**
- **Control of the model in the cab mode by means of the touchscreen on the Central Station 2.**
- **These new functions are only available in conjunction with the Central Station 2 starting with firmware Version 2.5.**

One-time series.

This model can be found in a DC version in the Trix H0 assortment under item number 22167.

Digital Functions	Control Unit	Mobile Station	Mobile Station 2	Central Station
Headlight(s)	x	x	x	x
Smoke generator contact	x	x	x	x
Steam locomotive op. sounds	x	x	x	x
Locomotive whistle	x	x	x	x
Direct control	x	x	x	x
Sound of squealing brakes off		x	x	x
Whistle for switching maneuver		x	x	x
Letting off Steam		x	x	x
Air Pump		x	x	x
Sound of coal being shoveled			x	x
Grate Shaken			x	x
Injectors			x	x
Sound of Couplers Engaging			x	x
"Switcher Double ""A"" Light"			x	x

Italy

36619 Electric Locomotive.
Prototype: GTS Rail, Italy class E 483 general-purpose electric locomotive. The locomotive looks as it did around 2011.
Model: The locomotive has an mfx digital decoder and extensive sound functions. It also has a special motor centrally mounted. 4 axles powered by means of cardan shafts. Traction tires. The triple headlights and dual red marker lights change over with the direction of travel, will work in conventional operation, and can be controlled digitally. The headlights at Locomotive End 2 and 1 can be turned off separately in digital operation. Maintenance-free warm white LEDs are used for the headlights.
Length over the buffers 21.7 cm / 8-1/2".

One-time series.

A freight car set to go with this locomotive can be found under item number 47039.

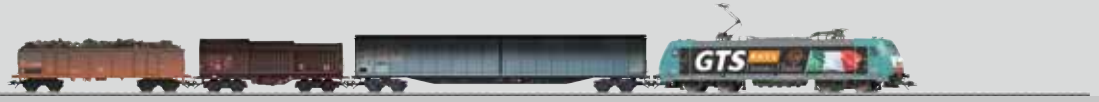
Digital Functions	Control Unit	Mobile Station	Mobile Station 2	Central Station
Headlight(s)	x	x	x	x
Operating Sounds 1	x	x	x	x
Electric locomotive op. sounds	x	x	x	x
Horn	x	x	x	x
Direct control	x	x	x	x
Sound of squealing brakes off		x	x	x
Headlight(s): Cab2 End		x	x	x
Whistle for switching maneuver		x	x	x
Headlight(s): Cab1 End		x	x	x
Brake Compressor			x	x
Blower motors			x	x
Rail Joints			x	x

47039 Freight Car Set.
Prototype: A type Habbillns sliding wall car, a type Shimmns-tu 708 steel coil transport car, painted and lettered for the German Railroad, Inc. (DB AG), and a type Eaos gondola, painted and lettered for the Italian State Railways (FS). The cars look as they did around 2011.

Model: All of the cars are authentically weathered.
Total length over the buffers approximately 57.6 cm / 22-11/16".
DC wheel set: per car 4 x 700580.

One-time series.

An electric locomotive to go with these cars can be found item number 36619.



47039 36619

mfx IV 15 +

37127 Electric Locomotive.
Prototype: Dutch State Railways (NS) class 1200 heavy general-purpose locomotive. Road number 1203. The locomotive looks as it did around 1970.
Model: The locomotive has an mfx digital decoder and extensive sound functions. It also has controlled high-efficiency propulsion. 4 axles powered. Traction tires. The triple headlights and dual red marker lights change over with the direction of travel, will work in conventional operation, and can be controlled digitally. Maintenance-free warm white and red LEDs are used for the lighting. The locomotive has separately applied metal grab irons. Brake hoses can be mounted on the buffer beam.
Length over the buffers 20.8 cm / 8-3/16".

- **Now with a centrally mounted motor.**
- **Four axles powered.**
- **Extensive sound functions included.**

One-time series.

Digital Functions	Control Unit	Mobile Station	Mobile Station 2	Central Station
Headlight(s)	x	x	x	x
Stat. Announce. – Dutch	x	x	x	x
Electric locomotive op. sounds	x	x	x	x
Horn blast 1	x	x	x	x
Direct control	x	x	x	x
Sound of squealing brakes off		x	x	x
Rear Headlights off		x	x	x
Conductor's Whistle		x	x	x
Front Headlights off		x	x	x
Compressor			x	x
Blower motors			x	x
Horn blast 2			x	x
Switching maneuver			x	x

mfx VI 15 +

37128 Electric Locomotive.
Prototype: Dutch State Railways (NS) class 1200 heavy general-purpose locomotive. Advertising design for the anniversary of 175 years of railroading in the Netherlands. The locomotive looks as it did in 2013.
Model: The locomotive has an mfx digital decoder and extensive sound functions. It also has controlled high-efficiency propulsion. 4 axles powered. Traction tires. The triple headlights and dual red marker lights change over with the direction of travel, will work in conventional operation, and can be controlled digitally. Maintenance-free warm white and red LEDs are used for the lighting. The locomotive has separately applied metal grab irons. Brake hoses can be mounted on the buffer beam.
Length over the buffers 20.8 cm / 8-3/16".

- **Advertising locomotive for the anniversary of 175 years of railroading in the Netherlands.**
- **Now with a centrally mounted motor.**
- **Four axles powered.**
- **Extensive sound functions included.**

One-time series.

Front Side

Rear Side

Digital Functions	Control Unit	Mobile Station	Mobile Station 2	Central Station
Headlight(s)	x	x	x	x
Stat. Announce. – Dutch	x	x	x	x
Electric locomotive op. sounds	x	x	x	x
Horn blast 1	x	x	x	x
Direct control	x	x	x	x
Sound of squealing brakes off		x	x	x
Rear Headlights off		x	x	x
Conductor's Whistle		x	x	x
Front Headlights off		x	x	x
Compressor			x	x
Blower motors			x	x
Horn blast 2			x	x
Switching maneuver			x	x

mfx Netherlands

37126 Electric Locomotive.
Prototype: Dutch State Railways (NS) class 1200 heavy general-purpose locomotive. Road number 1222.
Model: The locomotive has an mfx+ digital decoder and extensive sound functions. It also has controlled high-efficiency propulsion. 4 axles powered. Traction tires. The triple headlights and dual red marker lights change over with the direction of travel, will work in conventional operation, and can be controlled digitally. Maintenance-free warm white and red LEDs are used for the lighting. The locomotive has separately applied metal grab irons. Brake hoses can be mounted on the buffer beam.
Length over the buffers 20.8 cm / 8-3/16".

- **Now with a centrally mounted motor.**
- **Four axles powered.**
- **mfx+ digital decoder included.**
- **Extensive sound functions included.**
- **Simulated operating supplies usage.**
- **Realistic running characteristics.**
- **Simulated engineer's cab in the Central Station 2 display.**
- **Control of the model in the cab mode by means of the touchscreen on the Central Station 2.**
- **These new functions are only available in conjunction with the Central Station 2 starting with firmware Version 3.0.1.**

One-time series.

A car set to go with this locomotive can be found in the Märklin H0 assortment under item number 43543.

Digital Functions	Control Unit	Mobile Station	Mobile Station 2	Central Station
Headlight(s)	x	x	x	x
Stat. Announce. – Dutch	x	x	x	x
Electric locomotive op. sounds	x	x	x	x
Horn	x	x	x	x
Direct control	x	x	x	x
Sound of squealing brakes off		x	x	x
Rear Headlights off		x	x	x
Conductor's Whistle		x	x	x
Front Headlights off		x	x	x
Compressor			x	x
Blower motors			x	x
Warning Sound			x	x
Switching maneuver			x	x

43543 37126

73150 | NEM | V | 15 +

43543 Commuter Car Set.
Prototype: 4 different Belgian State Railways (SNCB/NMBS) M2 series commuter cars, leased to the Dutch State Railways (NS). 2 type M2 B11 commuter cars, 2nd class. 1 type M2 B8D commuter car with a baggage area, 2nd class. 1 type M2 A5B5 commuter car, 1st/2nd class. Crimson basic paint scheme. The cars look as they did at the start of the Nineties.
Model: The cars have separately inset, graduated window frames. The 7319 current-conducting couplings or the 72020/72021 current-conducting close couplers can be installed on all of these cars. The cars have different car numbers. All of the cars come individually packaged and marked, with a master carton.
Total length over the buffers 110.6 cm / 43-1/2".
DC wheel set per car 4 x 700580.

One-time series.

The electric locomotive to go with this car set can be found under item number 37126 in the Märklin H0 assortment.

Netherlands

37697 2 Diesel Locomotives.
Prototype: Class 6400 general-purpose locomotive in a lashup of 2 units. Locomotives painted and lettered for DB Schenker Rail Nederland NV.
Model: The locomotives have an mfx digital decoder and sound functions. One locomotive also has controlled high-efficiency propulsion. 4 axles powered. Traction tires. The triple headlights and dual red marker lights at the external ends of the locomotives change over with the direction of travel, will work in conventional operation, and can be controlled digitally. Maintenance-free warm white LEDs are used for the headlights. Double "A" lights can be turned on. Both locomotives each have a Telex coupler. The locomotives are permanently coupled to one another.
Length over the buffers 33 cm / 13".

- **Class 6400 with Telex couplers for the first time.**
- **New roof equipment with additional antennas.**
- **Double unit lashup with headlight / marker light changeover at the external ends fo both locomotives.**
- **Double "A" lights can be turned on.**

One-time series.

Digital Functions	Control Unit	Mobile Station	Mobile Station 2	Central Station
Headlight(s)	x	x	x	x
Telex coupler on the rear	x	x	x	x
Diesel locomotive op. sounds	x	x	x	x
Horn	x	x	x	x
Telex coupler on the front	x	x	x	x
Direct control		x	x	x
Rear Headlights off		x	x	x
Switching maneuver		x	x	x
Front Headlights off		x	x	x
Sound of squealing brakes off			x	x

NEM VI 15 +

47212 Sliding Tarp Car Set.
Prototype: 3 different short, four-axle sliding tarp cars, types Shimmns-tu 718 to Shimmnss. Two of them sliding tarp cars painted and lettered for the firm On Rail GmbH, one a sliding tarp car painted and lettered for the firm AAE. All of the cars leased to Railion Netherlands NV. The cars look as they currently do in real life.
Model: All of the cars have closed tarps. The cars have type Y 25 welded trucks. All of the cars have different car numbers and are individually packaged. There is also a master package.
Length over the buffers for each car 13.8 cm / 5-7/16".
DC wheel set per car 4 x 700580.

One-time series.

Belgium

37163 Tank Locomotive.
Prototype: Belgian State Railways (SNCB) class 98 (former class 94.5) freight tank locomotive. Green basic paint scheme with a black smoke box and gold boiler bands. Road number 98.016.
Model: The locomotive has an mfx digital decoder and extensive sound functions. It has controlled, high-efficiency propulsion with a flywheel, mounted in the boiler. 5 axles powered. Traction tires. The locomotive is constructed mostly of metal. A 72270 smoke generator can be installed in the locomotive. The dual headlights change over with the direction of travel. They and the smoke generator that can be installed in the locomotive will work in conventional operation and can be controlled digitally. The headlights are maintenance-free, warm white LEDs. Protective piston rod sleeves and brake hoses are included.
Length over the buffers 14.6 cm / 5-3/4".

- **Prototypical changes.**
- **Slanted smoke stack.**
- **Rounded engineer's cab roof.**
- **Low coal bunker attachment.**
- **Particularly finely detailed construction with many separately applied parts.**
- **A variety of operating and sound functions included that can be controlled.**

One-time series.

Digital Functions	Control Unit	Mobile Station	Mobile Station 2	Central Station
Headlight(s)	x	x	x	x
Smoke generator contact	x	x	x	x
Steam locomotive op. sounds	x	x	x	x
Locomotive whistle	x	x	x	x
Direct control	x	x	x	x
Sound of squealing brakes off		x	x	x
Whistle for switching maneuver		x	x	x
Letting off Steam		x	x	x
Air Pump		x	x	x
Sound of coal being shoveled			x	x
Grate Shaken			x	x
Injectors			x	x
Generator Sounds			x	x
Sound of Couplers Engaging			x	x

37245 Electric Locomotive.
Prototype: Belgian State Railways (SNCB/NMBS) class 140 general-purpose locomotive in a green basic paint scheme. The locomotive looks as it did in Era III around 1960.
Model: The locomotive has an mfx digital decoder and extensive sound functions. It also has controlled high-efficiency propulsion. 2 axles powered. Traction tires. The dual headlights and dual red marker lights change over with the direction of travel, will work in conventional operation, and can be controlled digitally. Maintenance-free warm white and red LEDs are used for the lighting. The engineer's cabs have interior details. The locomotive has metal grab irons and other details separately applied. The couplers can be replaced by end skirting.
Length over the buffers 21.0 cm / 8-1/4".

- **Extensive sound functions for the first time.**

One-time series.

Digital Functions	Control Unit	Mobile Station	Mobile Station 2	Central Station
Headlight(s)	x	x	x	x
Marker light(s)	x	x	x	x
Electric locomotive op. sounds	x	x	x	x
Horn	x	x	x	x
Direct control	x	x	x	x
Sound of squealing brakes off		x	x	x
Pantograph Sounds		x	x	x
High Pitch Horn		x	x	x
Conductor's Whistle		x	x	x
Rail Joints			x	x
Blower motors			x	x

NOHAB Locomotives

The famous American F7/FP7 diesel locomotives of the Electro-Motive Division (EMD of General Motors, GM) were the basis for the NOHAB units also known as the "Round Noses", "Potato Beetles", or "Bulldogs". However, the direct prototype of the NOHABs did not come from America rather from Australia, since a rather European clearance gauge prevailed here and a six-axle bi-directional variant was also built by an Australian licensee. At the start of the Fifties, the European licensing variant AA16 was developed from this unit at GM/EMD. Its box body rode on two three-axle Flexicoil trucks with all of the wheel sets powered in both trucks or just the outer wheel sets of the trucks. The power transmission was done with the proven GM drive train with DC power transmission, whereby the main generator flange-mounted to the diesel motor powered the axle-suspended traction motors for the powered wheel sets. The type GM 567 two-stroke diesel motor was a slow-turning unit that was water-cooled and that could be controlled in eight speed steps. Finally, this rather archaic diesel electric – based on the GM regular production models of the Thirties and Forties – was no longer the latest level of technology, but it had proven itself over the years in thousands of locomotives.

European licensees of the type AA16 were initially the Swedish firm "Nydqvist och Holm Aktiebolag" (NOHAB) and later also the Belgian Société Anglo-France-Belge (AFB) as a sub-licensee of NOHAB. The Danish State Railways (DSB) were the first to order the NOHAB "Round Noses" in 1952, and between 1954 and 1965 they placed the more powerful variant, the MY 1101-1154, and the lighter and less powerful MX 1001-1045 in service. From 1954 on the Norwegian State Railways (NSB) tested the NOHAB pre-production locomotive extensively and took them into their roster in 1957 as the Di 3.602. At the same time additional NOHABs were ordered that were designated as the classes Di 3.603-623 and Di 3b.641-643 between 1957 and 1960. At the start of the Sixties extended its feelers to Hungary. The Hungarian State Railways (MAV) ordered a total of 20 units similar to the Di 3.623 they tested. These units were delivered to Hungary in two groups M61.001-020 in 1963/64.

In 1954, the Belgian State Railways (SNCB) ordered a total of 40 NOHABs from the Belgian sub-licensee AFB. These units saw the light of day between 1955 and 1957 in three classes: class 202 (1,720 horsepower, 120 km/h / 75 mph, with steam heating), class 203 (1,720 horsepower, 120 km/h / 75 mph, without steam heating), class 204 (1,900 horsepower, 140 km/h / 88 mph, with steam heating). From January 1, 1973 on, the class designations were 52, 53, and 54. Since the Luxembourg State Railways (CFL) urgently needed powerful diesel road engines, four of the units originally intended for Belgium were transferred to the CFL in April of 1955 as road numbers 1601-1604 and four additional locomotives were ordered for the SNCB.

The last regularly scheduled use of the "Round Noses" on the aforementioned state railroads ended in 2001. Several remained preserved however as operational museum locomotives. Part of the Scandinavian NOHABs were sold and began a second career with private transport firms. A pair of Danish MY units even came to Germany this way where with a little bit of luck you can still see them today.

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Belgium

39672 Diesel Locomotive.
Prototype: Belgian State Railways (SNCB/NMBS) class 204 diesel locomotive. NOHAB general-purpose locomotive in the green paint scheme of Era III.
Model: The locomotive has an mfx digital decoder and extensive sound functions. It also has controlled high-efficiency propulsion, centrally mounted. 4 axles powered by means of cardan shafts. Traction tires. The triple headlights and dual red marker lights change over with the direction of travel, will work in conventional operation, and can be controlled digitally. The headlights at Locomotive End 2 and 1 can be turned off separately in digital operation. The cab lighting can be turned off separately in digital operation at Locomotive End 1 and 2. Maintenance-free, warm white and red LEDs are used for the lighting. The locomotive has separately applied metal grab irons. The engineer's cabs and the engine room have interior details in relief.
Length over the buffers 21.7 cm / 8-1/2".

- **Completely new tooling.**
- **Metal body and frame.**
- **mfx digital decoder.**
- **Extensive sound functions.**
- **Numerous light functions that can be controlled separately in digital operation.**
- **Warm white and red LEDs for the lighting.**

One-time series.

A car set to go with this locomotive can be found under item number 43544 in the Märklin H0 assortment.

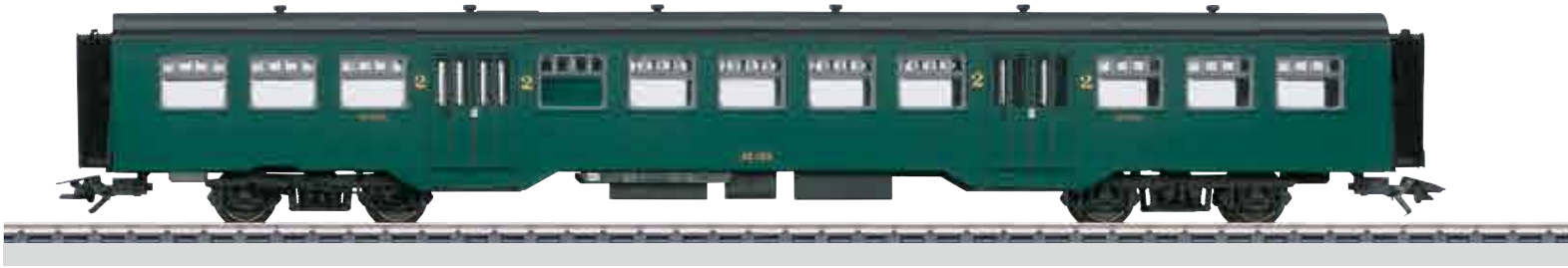
Digital Functions	Control Unit	Mobile Station	Mobile Station 2	Central Station
Headlight(s)	x	x	x	x
Diesel locomotive op. sounds	x	x	x	x
Horn	x	x	x	x
Direct control	x	x	x	x
Sound of squealing brakes off		x	x	x
Rear Headlights off		x	x	x
Conductor's Whistle		x	x	x
Front Headlights off		x	x	x
Whistle for switching maneuver			x	x
Switching maneuver			x	x
Engineer's cab lighting			x	x
Engineer's cab lighting			x	x

43544 39672

43544 Commuter Car Set.
Prototype: 4 different Belgian State Railways (SNCB/NMBS) M2 series commuter cars. 1 type M2 A5B5 commuter car, 1st/2nd class. 2 type M2 B11 commuter cars, 2nd class. 1 type M2 BD commuter car with a baggage area, 2nd class. Green basic paint scheme.
Model: The cars have separately inset, graduated window frames. The 7319 current-conducting couplings or the 72020/72021 current-conducting close couplers can be installed on all of these cars as well as the 73150 interior lighting kit. The cars have different car numbers. All of the cars come individually packaged, with a master carton.
Total length over the buffers 110.6 cm / 43-1/2".
DC wheel set per car 4 x 700580.

One-time series.

The diesel locomotive to go with this car set can be found in the Märklin H0 assortment under item number 39672.

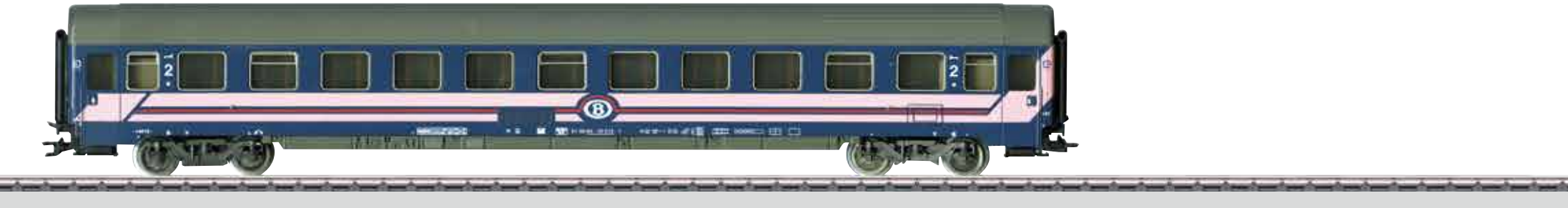


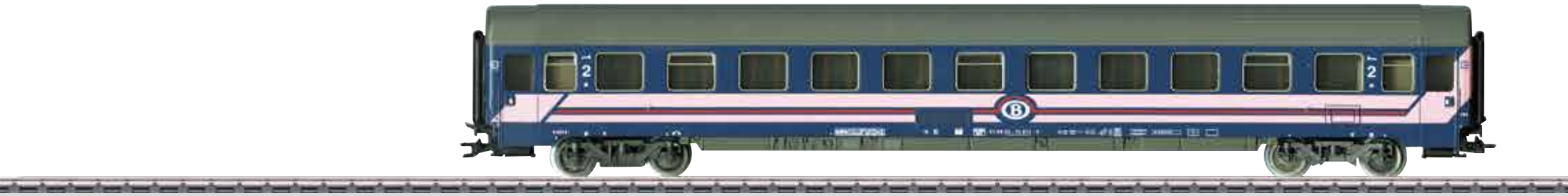
Belgium

42742 Express Train Passenger Car Set.
Prototype: 2 type I6 Eurofima compartment cars, 2nd class, and 1 type I6 compartment car, 1st class, painted and lettered for the Belgian State Railways (SNCB). The cars look as they currently do in real life.
Model: The 7319 current-conducting couplings or the 72020/72021 current-conducting, separable close couplers can be installed on all of the cars.
Total length over the buffers 53.0 cm / 20-7/8".
DC wheel set per car 4 x 700580.

One-time series.

The ideal add-on for the Eurofima car set under item number 42741.





Luxembourg

39673 Diesel Locomotive.
Prototype: Luxembourg State Railways (CFL) class 1600 diesel locomotive. NOHAB general-purpose locomotive in the wine red paint scheme of Era III.
Model: The locomotive has an mfx digital decoder and extensive sound functions. It also has controlled high-efficiency propulsion, centrally mounted. 4 axles powered by means of cardan shafts. Traction tires. The triple headlights and dual red marker lights change over with the direction of travel, will work in conventional operation, and can be controlled digitally. The headlights at Locomotive End 2 and 1 can be turned off separately in digital operation. The cab lighting can be turned off separately in digital operation at Locomotive End 1 and 2. Maintenance-free, warm white and red LEDs are used for the lighting. The locomotive has separately applied metal grab irons. The engineer's cabs and the engine room have interior details in relief.
Length over the buffers 21.7 cm / 8-1/2".

- **Completely new tooling.**
- **Metal body and frame.**
- **mfx digital decoder.**
- **Extensive sound functions.**
- **Numerous light functions that can be controlled separately in digital operation.**
- **Warm white and red LEDs for the lighting.**

One-time series.

Digital Functions	Control Unit	Mobile Station	Mobile Station 2	Central Station
Headlight(s)	x	x	x	x
Diesel locomotive op. sounds	x	x	x	x
Horn	x	x	x	x
Direct control	x	x	x	x
Sound of squealing brakes off		x	x	x
Rear Headlights off		x	x	x
Conductor's Whistle		x	x	x
Front Headlights off		x	x	x
Whistle for switching maneuver			x	x
Switching maneuver			x	x
Engineer's cab lighting			x	x
Engineer's cab lighting			x	x

Luxembourg

NEM | III | 15 +

46083 Freight Car Set.
Prototype: 4 Luxembourg State Railways (CFL) type Klagenfurt two-axle high side gondolas. The cars look as they did in Era III.

Model: All of the cars have load inserts with a layer of real, scale-sized coal. All of the cars have different car numbers.

Total length over the buffers approximately 47.5 cm / 18-11/16".
DC wheel set: per car 2 x 700580.

One-time series.

43813 Commuter Car Set.
Prototype: 3 different Luxembourg State Railways (CFL) "Silberling" design commuter cars in a green paint scheme. 1 commuter car, 1st/2nd class, 1 commuter car, 2nd class, and 1 commuter car, 1st/2nd class with a baggage area.
Model: The minimum radius for operation is 360 mm / 14-3/16". The cars have underbodies and trucks specific to their designs. 7319 current-conducting couplings or 72020/72021 current-conducting couplers, the 73406 pickup shoe, and the 73400/73401 interior lighting (2 each per car), and the 73409 marker light kit can be installed on the cars.
Total length over the buffers 84.6 cm / 33-5/16".
DC wheel set 12 x 700580.

- **All of the cars are individually packaged.**

One-time series.

Denmark

39670 Diesel Locomotive.
Prototype: Danish State Railways (DSB) class MY 1100 diesel locomotive. NOHAB general-purpose locomotive in the wine red paint scheme of Era III.
Model: The locomotive has an mfx digital decoder and extensive sound functions. It also has controlled high-efficiency propulsion, centrally mounted. 4 axles powered by means of cardan shafts. Traction tires. The triple headlights and dual red marker lights change over with the direction of travel, will work in conventional operation, and can be controlled digitally. The headlights at Locomotive End 2 and 1 can be turned off separately in digital operation. The cab lighting can be turned off separately in digital operation at Locomotive End 1 and 2. Maintenance-free, warm white and red LEDs are used for the lighting. The locomotive has separately applied metal grab irons. The engineer's cabs and the engine room have interior details in relief.
Length over the buffers 21.7 cm / 8-1/2".

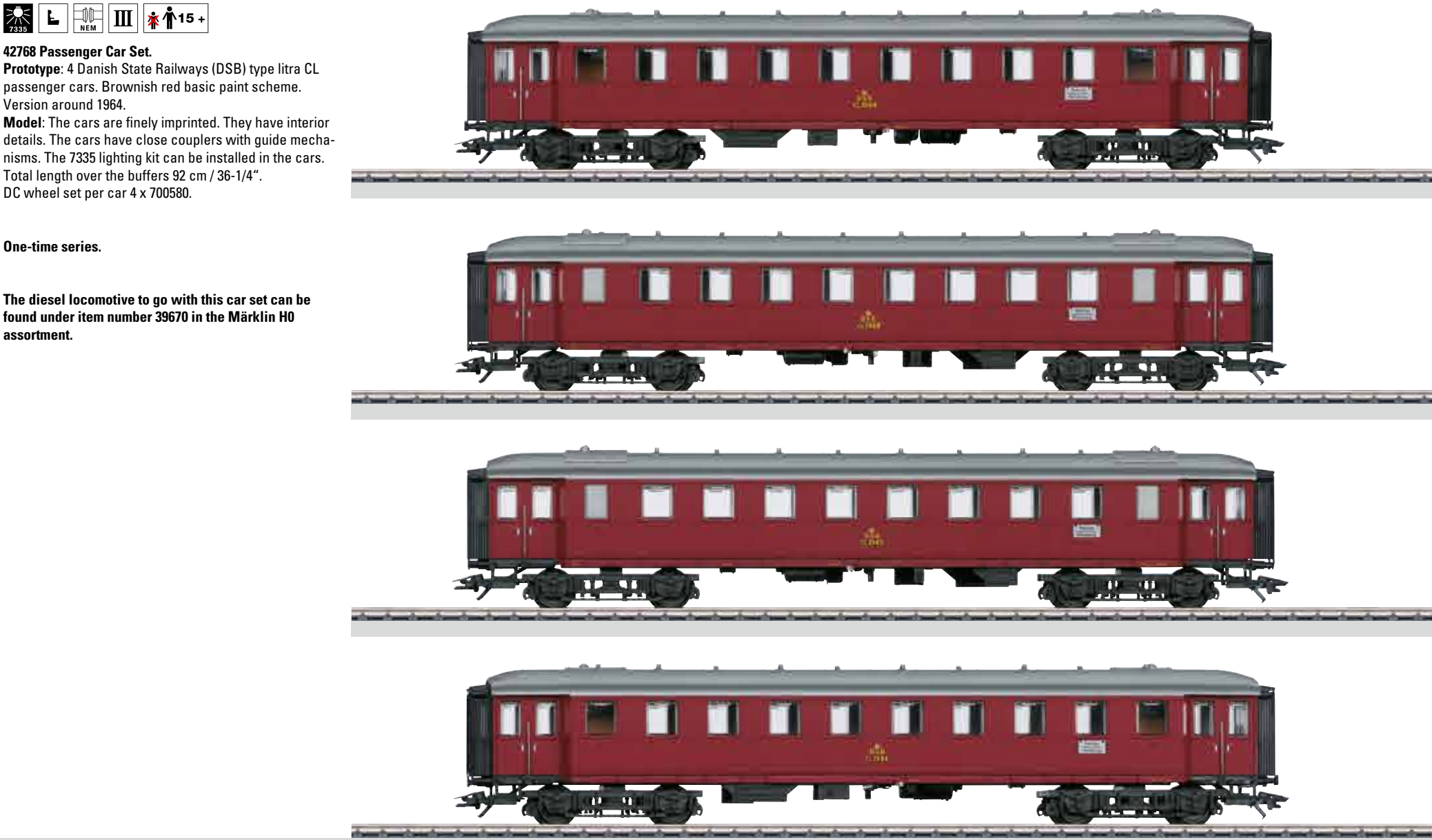
- **Completely new tooling.**
- **Metal body and frame.**
- **mfx digital decoder.**
- **Extensive sound functions.**
- **Numerous light functions that can be controlled separately in digital operation.**
- **Warm white and red LEDs for the lighting.**

One-time series.

A car set to go with this locomotive can be found under item number 42768 in the Märklin H0 assortment.

Digital Functions	Control Unit	Mobile Station	Mobile Station 2	Central Station
Headlight(s)	x	x	x	x
Diesel locomotive op. sounds	x	x	x	x
Horn	x	x	x	x
Direct control	x	x	x	x
Sound of squealing brakes off		x	x	x
Rear Headlights off		x	x	x
Conductor's Whistle		x	x	x
Front Headlights off		x	x	x
Whistle for switching maneuver			x	x
Switching maneuver			x	x
Engineer's cab lighting			x	x
Engineer's cab lighting			x	x

42768 39670



42768 Passenger Car Set.
Prototype: 4 Danish State Railways (DSB) type litra CL passenger cars. Brownish red basic paint scheme. Version around 1964.
Model: The cars are finely imprinted. They have interior details. The cars have close couplers with guide mechanisms. The 7335 lighting kit can be installed in the cars. Total length over the buffers 92 cm / 36-1/4".
DC wheel set per car 4 x 700580.

One-time series.

The diesel locomotive to go with this car set can be found under item number 39670 in the Märklin H0 assortment.

Denmark

39674 Diesel Locomotive.
Prototype: Danish State Railways (DSB) class MY 1100 diesel locomotive. NOHAB general-purpose locomotive in the black and red paint scheme of Era IV.
Model: The locomotive has an mfx digital decoder and extensive sound functions. It also has controlled high-efficiency propulsion, centrally mounted. 4 axles powered by means of cardan shafts. Traction tires. The triple headlights and dual red marker lights change over with the direction of travel, will work in conventional operation, and can be controlled digitally. The headlights at Locomotive End 2 and 1 can be turned off separately in digital operation. The cab lighting can be turned off separately in digital operation at Locomotive End 1 and 2. Maintenance-free, warm white and red LEDs are used for the lighting. The locomotive has separately applied metal grab irons. The engineer's cabs and the engine room have interior details in relief.
Length over the buffers 21.7 cm / 8-1/2".

- **Completely new tooling.**
- **Metal body and frame.**
- **mfx digital decoder.**
- **Extensive sound functions.**
- **Numerous light functions that can be controlled separately in digital operation.**
- **Warm white and red LEDs for the lighting.**

One-time series.

Digital Functions	Control Unit	Mobile Station	Mobile Station 2	Central Station
Headlight(s)	x	x	x	x
Diesel locomotive op. sounds	x	x	x	x
Horn	x	x	x	x
Direct control	x	x	x	x
Sound of squealing brakes off		x	x	x
Rear Headlights off		x	x	x
Conductor's Whistle		x	x	x
Front Headlights off		x	x	x
Whistle for switching maneuver			x	x
Switching maneuver			x	x
Engineer's cab lighting			x	x
Engineer's cab lighting			x	x

39671 Diesel Locomotive.
Prototype: Norwegian State Railways (NSB) class Di3 diesel locomotive. NOHAB general-purpose locomotive in the brown paint scheme of Era III.
Model: The locomotive has an mfx digital decoder and extensive sound functions. It also has controlled high-efficiency propulsion, centrally mounted. 4 axles powered by means of cardan shafts. Traction tires. The triple headlights and dual red marker lights change over with the direction of travel, will work in conventional operation, and can be controlled digitally. The headlights at Locomotive End 2 and 1 can be turned off separately in digital operation. The cab lighting can be turned off separately in digital operation at Locomotive End 1 and 2. Maintenance-free, warm white and red LEDs are used for the lighting. The locomotive has separately applied metal grab irons. The engineer's cabs and the engine room have interior details in relief.
Length over the buffers 21.7 cm / 8-1/2".

- **Completely new tooling.**
- **Metal body and frame.**
- **mfx digital decoder.**
- **Extensive sound functions.**
- **Numerous light functions that can be controlled separately in digital operation.**
- **Warm white and red LEDs for the lighting.**

One-time series.

Digital Functions	Control Unit	Mobile Station	Mobile Station 2	Central Station
Headlight(s)	x	x	x	x
Diesel locomotive op. sounds	x	x	x	x
Horn	x	x	x	x
Direct control	x	x	x	x
Sound of squealing brakes off		x	x	x
Rear Headlights off		x	x	x
Conductor's Whistle		x	x	x
Front Headlights off		x	x	x
Whistle for switching maneuver			x	x
Switching maneuver			x	x
Engineer's cab lighting			x	x
Engineer's cab lighting			x	x

Norway

36334 Switch Engine.
Prototype: Norwegian State Railways (NSB) class El 10 electric switch engine in a reddish brown basic paint scheme. Locomotive road number 10.2505. The locomotive looks as it did at the end of the Sixties / beginning of the Seventies.
Model: The locomotive has an mfx digital decoder. It also has a miniature can motor with a flywheel. 3 axles and a jackshaft powered. Traction tires. The locomotive has dual headlights front and rear that will work in conventional operation and can be controlled digitally. The headlights are maintenance-free warm white LEDs. The locomotive has separately applied roof equipment. It also has separately applied metal grab irons. Brake hoses and prototypical couplers can be installed on the buffer beam.
Length over the buffers 11.2 cm / 4-7/16".

One-time series.

Digital Functions	Control Unit	Mobile Station	Mobile Station 2	Central Station
Headlight(s)	x	x	x	x
Direct control	x	x	x	x

37756 Heavy Ore Locomotive.
Prototype: Swedish State Railways (SJ) class Dm heavy ore locomotive as a 2-part side rod electric locomotive. Used on the ore line Lulea – Kriruna – Narvik. Series 1200 with road numbers 1205+1206. Brown basic paint scheme, large headlights, engineer's cab doors in the old arrangement, large snowplows (Norrland plows) and SAB rubber spring wheels. The locomotive looks as it did around 1965, before the installation of the middle part.
Model: The locomotive has the new mfx+ digital decoder and extensive sound functions. It also has 2 controlled, high-efficiency propulsion systems with flywheels, 1 motor in each locomotive unit with an engineer's cab. All 4 driving axles powered in each locomotive unit with an engineer's cab. Traction tires. The dual headlights and a red marker light change over with the direction of travel, will work in conventional operation, and can be controlled digitally. An additional third wide beam headlight above on the locomotives can be controlled digitally. The engine room lighting as well as the cab lighting in Engineer's Cabs 1 and 2 can each be controlled separately in digital operation. An additional marker light can be controlled digitally. Maintenance-free warm white and red LEDs are used for the lighting. This locomotive has highly detailed metal construction with many separately applied details. The roof equipment is detailed with large vent attachments and compressed air tanks. Both locomotive units are permanently coupled together. There is a close coupling mechanism between the locomotive units. Marker signs for the front end of the locomotive are included separately.
Length over the buffers 29.2 cm / 11-1/2".

- **Equipped with the new mfx+ digital decoder.**
- **Operation possible in beginner, advanced, and expert modes.**
- **Simulated operating supplies usage.**
- **Realistic running characteristics such as constant speed.**
- **Simulated engineer's cab in the Central Station 2 display.**
- **Control of the model in the cab mode by means of the touchscreen on the Central Station 2.**
- **These new functions are only available in conjunction with the Central Station 2 starting with firmware Version 3.0.**

One-time series.

Digital Functions	Control Unit	Mobile Station	Mobile Station 2	Central Station
Headlight(s)	x	x	x	x
Light Function	x	x	x	x
Electric locomotive op. sounds	x	x	x	x
Horn	x	x	x	x
Direct control	x	x	x	x
Light Function1		x	x	x
Engineer's cab lighting		x	x	x
Whistle for switching maneuver		x	x	x
Engineer's cab lighting		x	x	x
Light Function 2			x	x
Sound of squealing brakes off			x	x
Sound of Couplers Engaging			x	x
Blower motors			x	x
Brake Compressor			x	x
Pantograph Sounds			x	x

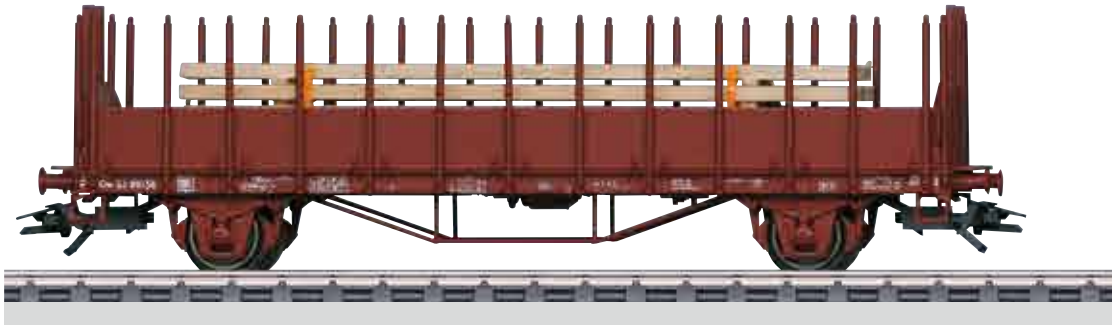
46372 46372 37756

Sweden

NEM | III | 15 +

47733 Freight Car Set.
Prototype: 3 type Oms stake cars and 2 sliding roof / sliding wall cars painted and lettered for the Swedish State Railways (SJ). The cars look as they did in the Mid-Sixties.
Model: The stake cars have a load of wood. All of the cars have different car numbers.
Total length over the buffers approximately 66.5 cm / 26-3/16".
DC wheel set: per car 2 x 700580.

One-time series.



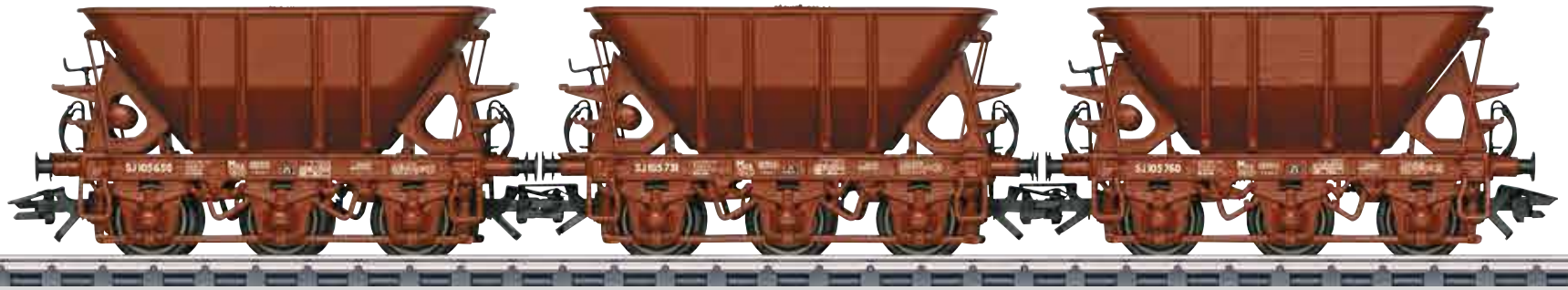
NEM IV 15 +

46372 Freight Car Set.
Prototype: 6 Swedish State Railways (SJ) three-axle ore cars in a brown basic paint scheme, for use on the ore rail line Lulea – Kiruna – Narvik. Type Mas IV, with brakeman's platforms and hand brake wheels. The cars look as they did around 1970.

Model: The ore cars have detailed construction with partially open floors. They have a detailed representation of the axle bearings with springs and brake rigging. The ore car bodies are constructed of metal. All of the cars have brakeman's platforms and brake wheels. All of the ore cars have different car numbers. The ore cars have load inserts and are loaded with real, scale-sized iron ore.
Total length over the buffers 44 cm / 17-5/16".
DC wheel set per ore car 3 x 700580.

One-time series.

The ideal add-on to the 46370 and 46371 ore car sets.



46372 46372 37756

Sweden

37943 Heavy Diesel Locomotive.
Prototype: Class T44 heavy diesel locomotive, privately owned locomotive painted and lettered for Swedish line Green Cargo. The locomotive looks as it did about 2006.
Model: The locomotive has an mfx digital decoder and extensive sound functions. It also has controlled high-efficiency propulsion, centrally mounted. 4 axles powered through cardan shafts. Traction tires. The 4-light headlights and a red marker light change over with the direction of travel, will work in conventional operation, and can be controlled digitally. Additional light functions can be controlled digitally. The headlights are maintenance-free, warm white LEDs. The locomotive has a representation of the engineer's cab interior. It also has separately applied metal grab irons.
Length over the buffers 17.7 cm / 6-15/16".

- **mfx decoder with diesel locomotive sounds.**
- **Different light functions that can be controlled digitally.**
- **All axles powered.**
- **New handrails on the sides and ends.**

One-time series.

Digital Functions	Control Unit	Mobile Station	Mobile Station 2	Central Station
Headlight(s)	x	x	x	x
Light Function1	x	x	x	x
Diesel locomotive op. sounds	x	x	x	x
Light Function 2	x	x	x	x
Direct control	x	x	x	x
Sound of squealing brakes off		x	x	x
Warning Sound		x	x	x
Switching maneuver		x	x	x
Rail Joints		x	x	x

37942 Heavy Diesel Locomotive.
Prototype: Heavy diesel locomotive, road number 5, (class T44), privately owned locomotive painted and lettered for the Swedish-Norwegian ore railroad MTAS, for switching ore cars in the ore harbor of Narvik. The locomotive looks as it did in 2010.
Model: The locomotive has an mfx digital decoder and extensive sound functions. It also has controlled high-efficiency propulsion, centrally mounted. 4 axles powered through cardan shafts. Traction tires. The 4-light headlights and a red marker light change over with the direction of travel, will work in conventional operation, and can be controlled digitally. Additional light functions can be controlled digitally. The headlights are maintenance-free, warm white LEDs. The locomotive has a representation of the engineer's cab interior. It also has separately applied metal grab irons.
Length over the buffers 17.7 cm / 6-15/16".

- **mfx decoder with diesel locomotive sounds.**
- **Different light functions that can be controlled digitally.**
- **All axles powered.**
- **New handrails on the sides and ends.**

One-time series.

Digital Functions	Control Unit	Mobile Station	Mobile Station 2	Central Station
Headlight(s)	x	x	x	x
Light Function1	x	x	x	x
Diesel locomotive op. sounds	x	x	x	x
Light Function 2	x	x	x	x
Direct control	x	x	x	x
Sound of squealing brakes off		x	x	x
Warning Sound		x	x	x
Switching maneuver		x	x	x
Rail Joints		x	x	x

37419 Electric Locomotive.
Prototype: Swedish private railroad TAGAB class Rc 2. Upper headlights / marker lights as on the Austrian class 1043 locomotives. Red single-arm pantographs, older design snowplow. The locomotive looks as it currently does in real life.
Model: The locomotive has an mfx digital decoder and extensive sound functions. It also has controlled high-efficiency propulsion. 2 axles powered. Traction tires. The triple headlights change over with the direction of travel, will work in conventional operation, and can be controlled digitally
Length over the buffers 18.0 cm / 7-1/8".

One-time series.

Digital Functions	Control Unit	Mobile Station	Mobile Station 2	Central Station
Headlight(s)	x	x	x	x
Station Announcements	x	x	x	x
Electric locomotive op. sounds	x	x	x	x
Horn	x	x	x	x
Direct control	x	x	x	x
Sound of squealing brakes off		x	x	x
Conductor's Whistle		x	x	x
Whistle for switching maneuver		x	x	x
Compressor		x	x	x
Letting off Air			x	x
Switching maneuver			x	x

USA

"The Train of the Stars" – The Super Chief.

When the Union Pacific Railroad (UP) introduced its new "streamliner train", the "City of Los Angeles" in 1936 (Chicago – Los Angeles), the Atchison, Topeka & Santa Fe Railway (Santa Fe) countered with its own deluxe train, the "Super Chief", as early as May 12, 1936. This very first "Super Chief" initially still consisted of heavyweight Pullman cars, because the new streamline stainless steel lightweight cars were still under construction at the Budd Company. This new super train was to be pulled at the same time by new diesel locomotives, also with streamlined styling.
In May of 1937 it was finally done: Budd presented a "streamliner" train as an all-Pullman sleeping car train, without competition in style, design, and luxury. The famous designed Sterling McDonald found expression in the interior details the longstanding relation between the railroad and the Indians of the Southwest. Whenever possible McDonald made use of authentic Indian colors such as turquois and copper, samples and even authentic wall murals and paintings. In addition, he integrated as decorative elements a combination of rare and exotic woods such as ebony, teak, satinwood, bubinga, and Macassar, which gave the Super Chief an additional air of extravagant elegance.

A new train naturally needed new, elegant locomotive, which were delivered at the same time by General Motors EMD in the form of the E-1 diesel models with a streamlined hood. A new color scheme was used for the first time here in red, yellow, and silver – later designated as the "Warbonnet" design, which was supposed to symbolize the headdress of an Indian with waving feathers. A speed record that still stands was reached on the Santa Fe during a test run even before the scheduled introduction of the new Super Chief to regular service. The 3,584.5 kilometer / 2,240.3 mile long route Chicago – Los Angeles was covered on freshly renewed track in 36 hours and 20 minutes with an average speed of 97 km/h / 60 mph and peak speeds of 160 km/h / 100 mph. The scheduled travel time was 39 hours and 45 minutes.

The extra fare Super Chief quickly developed into an extremely exclusive and super comfortable shuttle train for Hollywood Greats, who commuted from New York's Broadway to Sunset Boulevard in Los Angeles, and who let themselves be pampered to and from Chicago in the luxurious prestige train of the Santa Fe. The list of passengers read like a "Who's Who" in Hollywood, which included among others Frank Sinatra, Zero Mostel, Janet Leigh, Ella Fitzgerald, Elizabeth Taylor, Paul Newman, Gloria Swanson, Alan Ladd, Vincent Price, Margaret Truman, and many others. The special attraction of the train was of course the five star meals prepared by top chefs as well as its other first class services. In addition to engineer's, conductors, and brakemen, sleeping car conductors, luggage porters, dining car stewards, waiters, chefs, bartenders, lounge attendants, hair dressers, and other service personnel together with two squads of cleaners and maintenance teams provided for the welfare of the passengers.

At the start of the Fifties and well into the second half of the Sixties, the famous class F7 diesel locomotives pulled the Super Chief. These locomotives were also in the "Warbonnet" design. The train was able to maintain its extremely high quality of service right up to the end of passenger trains on the Santa Fe on May 1, 1971. After that, the government owned Amtrak took over passenger train service in the USA and used the legendary name for another three years. Santa Fe took away the right to continue using the name due to the extreme deterioration of the quality of service under Amtrak management. Therefore, the train ran initially as the Southwest Limited and after a compromise between Amtrak and Santa Fe it has been run as the Southwest Chief.

26496 Santa Fe Super Chief.
Prototype: Atchison, Topeka & Santa Fe Railway (AT & SF) triple unit (A-B-B) EMD F 7 diesel locomotive with 6 streamliner passenger cars. The train ran under the name "Super Chief" between Chicago (IL) and Los Angeles (CA). Locomotive road number 305.
Model: The locomotive has an mfx digital decoder with extensive sound functions. It also has controlled high-efficiency propulsion in the A unit and in one B unit. 2 axles in each of the units powered. Traction tires. The headlights will work in conventional operation and can be controlled digitally. A Mars light can be controlled separately. The lighted side number boards and the position lights can be controlled digitally. Maintenance-free warm white LEDs are used for the lighting. The engineer's cab has interior lighting. There is a permanent drawbar between the locomotive units. The locomotive has current-conducting couplings. It also has separately applied metal grab irons. All of the cars have factory-installed LED interior lighting that can be controlled digitally. The interior lighting is supplied by means of a continuous electrical connection through the entire train. All of the cars have current-conducting couplers that can be uncoupled. The observation car has marker lights.
Total train length approximately 205 cm / 80-3/4".

- **Limited to 1,500 pieces worldwide!**
- **Numbered certificate of authenticity included.**
- **Warm white LEDs for the lighting.**
- **Lighted number boards and position lights.**
- **Mars light.**
- **Engineer's cab with interior details.**
- **Current-conducting couplers.**
- **All of the cars with factory-installed LED interior lighting.**
- **Observation car with marker lights.**

One-time series.

Digital Functions	Control Unit	Mobile Station	Mobile Station 2	Central Station
Headlight(s)	x	x	x	x
Interior lights	x	x	x	x
Diesel locomotive op. sounds	x	x	x	x
Horn	x	x	x	x
Direct control	x	x	x	x
Sound of squealing brakes off		x	x	x
Number Board Lights		x	x	x
Bell		x	x	x
Mars Light		x	x	x
Sound of Couplers Engaging			x	x
Rail Joints			x	x
Cab Radio			x	x

SOO Line F7 with a Caboose.

The class F7/FP7 "Bulldogs" from General Motors EMD built between 1949 and 1953 developed into a real sales hit on American railroads. Here the saying was proven that it is simpler to count the railroads that did not buy the F7 than it is to remember which ones had the F7 in service. The F7s were everywhere! Fifty railroads bought the F7 new and more than 75 North American railroads had them in service over the years. Their classification "F" (= freight) certainly showed the original intended purpose at EMD chiefly in freight service, but due to its existing heating boiler for steam heat the F7 initially developed into the classic diesel locomotive in American passenger service in the Fifties. The F7 had 1,500 horsepower and 4,221 units were built. They were divided into three sub-classes: The F7A with a cab at one end came to 2,366 units, the cab-less F7B reached 1,483 units, and the lengthened FP7 equipped with a larger water tank for the steam heat came in at 372 units. It was thus no wonder that the rather unknown Soo Line Railroad also had several of the F7 series on its roster. More precisely, it was 26 F7A units, 6 F7B units, and 6 FP7 units. Two units have remained preserved: FP7 road number 500 as a memorial locomotive in Ladysmith, WI and FP7 road number 2500 as an operational museum locomotive at the Lake Superior Railroad Museum in Duluth, MN.

The history of the Soo Line Railroad is interesting: Prominent business people from Minneapolis founded the Minneapolis, Sault Ste. Marie and Atlantic Railroad in 1883. It quickly became the Soo Line due to the pronunciation of "Sault". The Soo Line was planned as a railroad to transport the grain products from Minnesota's farmers and mills und quickly to eastern markets. The line was renamed Minneapolis, St. Paul and Sault Ste. Marie Railroad as early as 1888 and the route network was gradually expanded throughout the upper Midwest to Canada. In 1909, the Soo Line took over the Wisconsin Central Railway in the form of a least agreement. Finally, in 1961 the Minneapolis, St. Paul and Sault Ste. Marie Railroad merged officially with the Wisconsin Central Railway and the Duluth, South Shore and Atlantic Railroad under the new name Soo Line Railroad. In 1985, the Soo Line acquired the remainder to the bankrupt Milwaukee Road. In the Nineties, the Canadian Pacific Railway as a shareholder of many years took over the railroad completely and ended its existence as an independent business.

39620 Diesel Electric Locomotive with a Caboose.
Prototype: SOO Line General Motors EMD F7. Three units consisting of an A unit, a B unit, and an A unit. SOO Line caboose.
Model: The locomotive has an mfx digital decoder with extensive sound functions. It also has controlled high-efficiency propulsion in the A units. 2 axles in each of the units powered. Traction tires. The headlights change over with the direction of travel, will work in conventional operation, and can be controlled digitally. The lighted side number boards and the position lights change over with the direction of travel, will work in conventional operation, and can be controlled digitally. A Mars light can be controlled separately. Maintenance-free warm white LEDs are used for the lighting. The engineer's cab has interior lighting. There is a permanent drawbar between the locomotive units. Snowplows are included as detail parts that can be mounted on the locomotive. The caboose has a frame and detailed floor constructed of metal. The brake rigging, end handrails, grab irons, and many other details are separately applied. The caboose has detailed trucks and special wheel sets. Length of the F7 over the couplers approximately 52 cm / 20-1/2".
Length of the caboose over the couplers approximately 14.5 cm / 5-3/4".

- **Warm white LEDs for the lighting.**
- **Lighted number boards and position lights.**
- **Mars light.**
- **Engineer's cab with interior details.**

One-time series.

Digital Functions	Control Unit	Mobile Station	Mobile Station 2	Central Station
Headlight(s)	x	x	x	x
Number Board Lights	x	x	x	x
Diesel locomotive op. sounds	x	x	x	x
Low Pitch Horn	x	x	x	x
Direct control	x	x	x	x
Sound of squealing brakes off		x	x	x
Mars Light		x	x	x
Bell		x	x	x
Sound of Couplers Engaging		x	x	x
Letting off Air			x	x
Rail Joints			x	x
Cab Radio			x	x

USA

NEM III 15 +

45645 American Freight Car Set.
Prototype: 5 different freight cars from several American railroads.
1 type 105A tank car painted and lettered for Clark Oil Refinery, 1 each type R-40-14 refrigerator car painted and lettered for Des Moines Packing Company and the Black Hills Packing Company, 1 40 foot hopper car painted and lettered for New York, New Haven and Hartford Railroad, and 1 type A-50-19 double-door boxcar painted and lettered for Great Northern Railway.

Model: The frame or floors are constructed of metal. The cars have detailed trucks with special wheel sets. The cars also have ladders and other details separately applied. The sliding doors can be opened. The roof walks, ladders, brake layout, and other details are separately applied. The couplers can be replaced with other makes. All of the cars are individually packaged.
Length of the car set over the couplers approximately 77 cm / 30-5/16".
DC wheel sets per car 4 x 320552 (NEM), 4 x 320389 (RP25).

One-time series.

USA

45657 American Freight Car Set.
Prototype: 5 different freight cars from several American railroads. 1 type 105A tank car painted and lettered for Lion Oil Company, 1 type R-40-14 refrigerator car painted and lettered for Iowa Beef Packers Inc., one each standard design 40 foot single-door boxcar painted and lettered for Southern Pacific and Boston & Maine, and 1 type A-50-19 double-door boxcar painted and lettered for New York Central Railroad.
Model: The frame or floors are constructed of metal. The cars have detailed trucks with special wheel sets. The sliding doors can be opened. The roof walks, ladders, brake layout, and other details are separately applied. The couplers can be replaced with other makes. All of the cars are individually packaged.
Length of the car set over the couplers approximately 76 cm / 29-15/16".
DC wheel sets per car 4 x 320552 (NEM), 4 x 320389 (RP25).

One-time series.

45658 North American Freight Car Set.
Prototype: 5 different freight cars from several North American railroads. 1 type R-40-14 refrigerator car painted and lettered for Canadian National Railroad, 1 each type S-40-12 livestock car painted and lettered for Great Northern and Chicago & North Western RR, 1 40 foot hopper car painted and lettered for Minneapolis & St. Louis, and 1 type A-50-19 double-door boxcar painted and lettered for Union Pacific RR.
Model: The frame or floors are constructed of metal. The cars have detailed trucks with special wheel sets. The sliding doors can be opened. The roof walks, ladders, brake layout, and other details are separately applied. The couplers can be replaced with other makes. All of the cars are individually packaged.
Length of the car set over the couplers approximately 78 cm / 30-11/16".
DC wheel sets per car 4 x 320552 (NEM), 4 x 320389 (RP25).

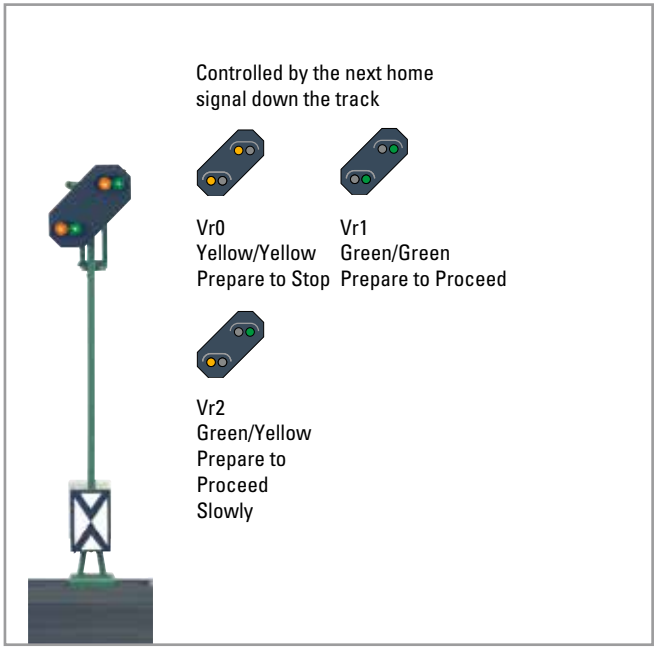
One-time series.

Products bearing Chicago and North Western Railway are made under trademark license from the Union Pacific Railroad Company.

Signals

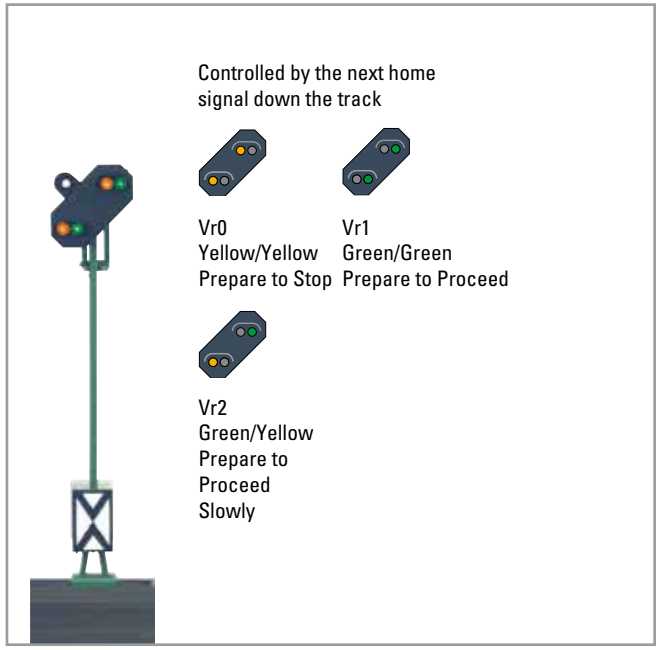
76480 Color Light Distant Signal.
Prototype: German Federal Railroad (DB) standard design distant signal. Distant signal with 3 settings: “Prepare to Stop” – yellow/yellow (Vr0), “Prepare to Proceed” – green/green (Vr1), and “Prepare to Proceed Slowly” – green/yellow (Vr2).
Model: The signal has an integrated electronic signal circuit. It can be connected to the separate signal decoder of the home signal to which it is assigned. It can be used for all home signals. All of its functions can be controlled from the signal decoder for the home signal. For digital operation, the signal decoder for the home signal assigns the configuration and the address.
Height without base 61 mm / 2-3/8“.

- **This distant signal can be used with all home signals.**
- **Signal aspects for this signal are automatically assigned when it is connected to a signal decoder.**



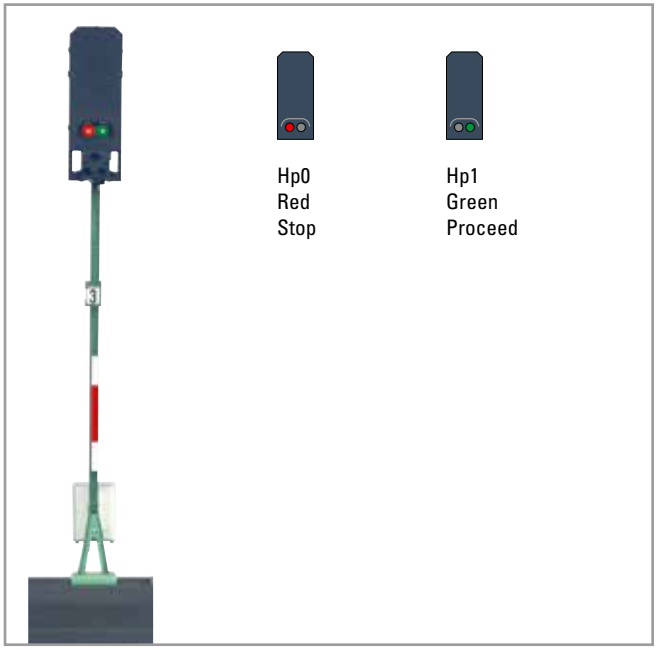
76481 Color Light Distant Signal with Additional Light.
Prototype: German Federal Railroad (DB) standard design distant signal with additional light. Distant signal with 3 settings: “Prepare to Stop” – yellow/yellow (Vr0), “Prepare to Proceed” – green/green (Vr1), and “Prepare to Proceed Slowly” – green/yellow (Vr2). The white additional light means that the distance between the distant and the home signal is less than the regular braking distance.
Model: The signal has an integrated electronic signal circuit. It can be connected to the separate signal decoder of the home signal to which it is assigned. It can be used for all home signals. All of its functions can be controlled from the signal decoder for the home signal. For digital operation, the signal decoder for the home signal assigns the configuration and the address.
Height without base 61 mm / 2-3/8“.

- **This distant signal can be used with all home signals.**
- **Signal aspects for this signal are automatically assigned when it is connected to a signal decoder.**



76491 Color Light Home Signal.
Prototype: German Federal Railroad (DB) standard design block signal. 2 settings: “Stop” – red (Hp0) and “Proceed” – green (Hp1).
Model: The signal has an integrated electronic signal circuit and 1 separate signal decoder. Control of all functions can be done in the digital system with the signal decoder included with the signal, or in conventional operation with a 72760 control box. The signal decoder can be installed under C Track or under the layout. For digital operation, the configuration and the address can be assigned and tested before installation of the signal. Connections for controlling train movements and for 1 distant signal are on the signal decoder.
Height without base 78 mm /3-1/16“.

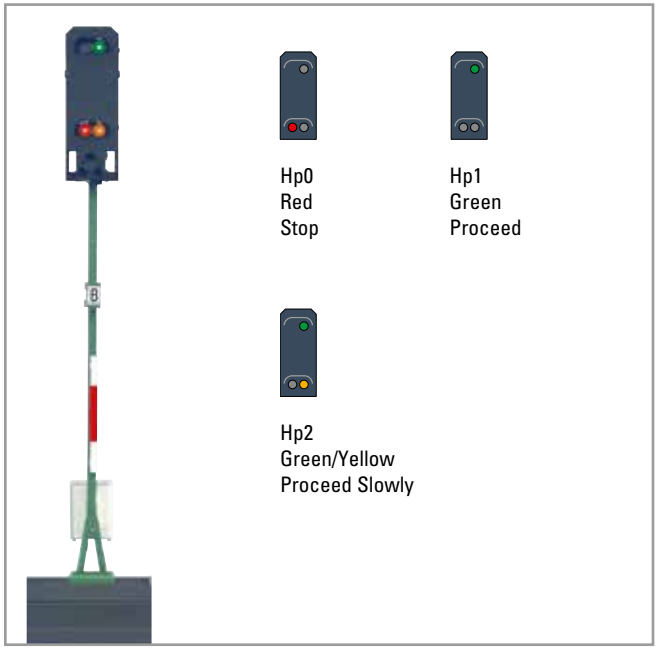
- **Block signal for use on main lines.**
- **An appropriate distant signal by itself is item no. 76480 and 76481, or a distant signal on the same mast with other signals, item no. 76495 and 76496.**



mfx DCC 15+

76493 Color Light Home Signal.
Prototype: German Federal Railroad (DB) standard design entry signal.
3 settings: "Stop" – red (Hp0), "Proceed" – green (Hp1) and "Proceed Slowly" – green/yellow (Hp2).
Model: The signal has an integrated electronic signal circuit and 1 separate signal decoder. Control of all functions is possible in the digital system with the signal decoder included with the signal, or in conventional operation with a 72760 control box. The signal decoder can be installed under C Track or under the layout. For digital operation, the configuration and the address can be assigned and tested before the installation of the signal. Connections for controlling train movements and for 1 distant signal are on the signal decoder.
Height without base 78 mm / 3-1/16".

- **Entry signal for use before stations.**
- **An appropriate distant signal by itself is item no. 76480 and 76481, or a distant signal on the same mast with other signals, item no. 76495 and 76496.**



mfx DCC 15+

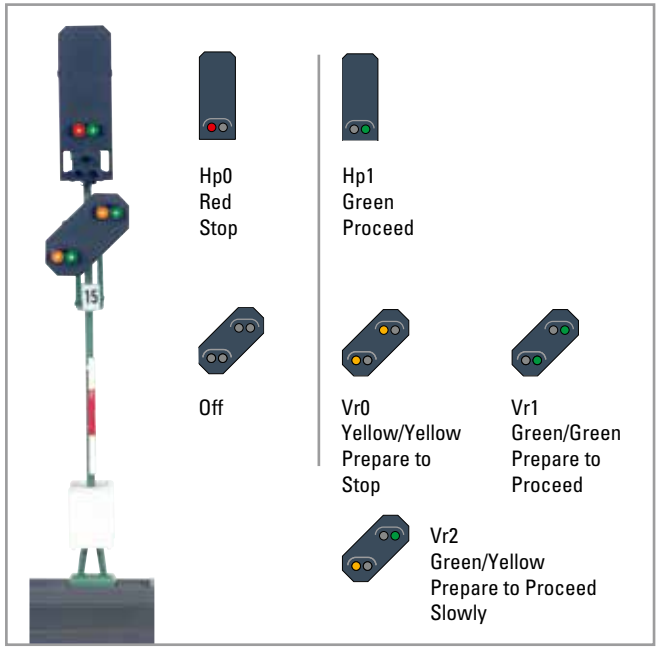
76494 Color Light Home Signal.
Prototype: German Federal Railroad (DB) standard design exit signal.
4 settings: "Stop" – red/red (Hp00), "Proceed" – green (Hp1) and "Proceed Slowly" – green/yellow (Hp2,) as well as "Stop, Switching Permitted" – red/white/white (Hp0/Sh1).
Model: The signal has an integrated electronic signal circuit and 1 separate signal decoder. Control of all functions is possible in the digital system with the signal decoder included with the signal, or in conventional operation with a 72760 control box. The signal decoder can be installed under C Track or under the layout. For digital operation, the configuration and the address can be assigned and tested before the installation of the signal. Connections for controlling train movements and for 1 distant signal are on the signal decoder.
Height without base 78 mm / 3-1/16".

- **Exit signal for use in station areas.**
- **An appropriate distant signal by itself is item no. 76480 and 76481, or on entry signal, item no. 76497.**
- **Built-in yard signal with white light.**

mfx DCC 15+

76495 Color Light Home Signal with a Color Light Distant Signal.
Prototype: German Federal Railway (DB) standard design block signal with a distant signal on the same signal mast. Home signal with 2 settings like item no. 76491. Distant signal with 3 settings like item no. 76480 / 76481.
Model: The signal has 2 built-in electronic signal circuits and 1 separate signal decoder. The distant signal can be used for all home signals. Control of all functions is possible in the digital system with the signal decoder included with the signal, or in conventional operation with a 72760 control box. The signal decoder can be installed under C Track or under the layout. For digital operation, the configuration and the address can be assigned and tested before the installation of the signal. Connections for controlling train movements and for 1 additional distant signal are on the signal decoder.
Height without base 78 mm / 3-1/16".

- **2 signals on one mast without additional connections.**
- **Block signal for use on main lines.**
- **Distant signal for use before a block signal or an entry signal.**

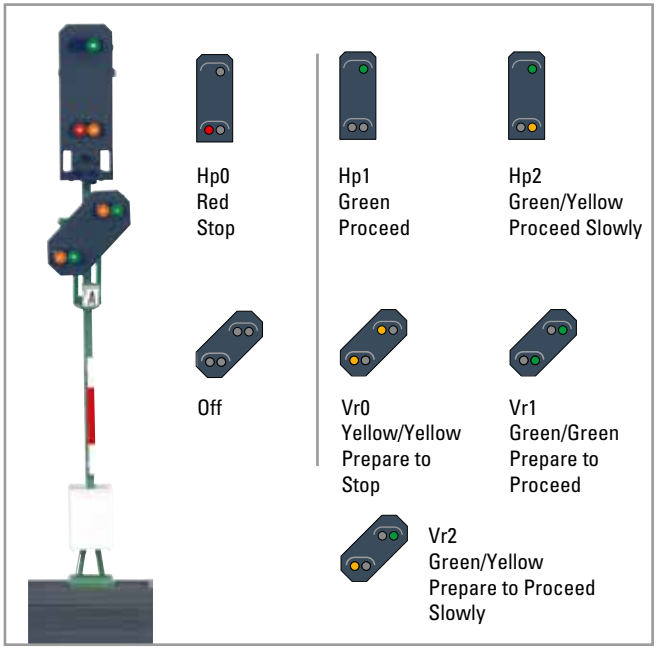


Signals

mfx DCC 15+

76497 Color Light Home Signal with a Color Light Distant Signal.
Prototype: German Federal Railway (DB) standard design entry signal with a distant signal on the same signal mast. Home signal with 3 settings like item no. 76493. Distant signal with 3 settings like item no. 76480 / 76481.
Model: The signal has 2 built-in electronic signal circuits and 1 separate signal decoder. The distant signal can be used for all home signals. Control of all functions is possible in the digital system with the signal decoder included with the signal, or in conventional operation with a 72760 control box. The signal decoder can be installed under C Track or under the layout. For digital operation, the configuration and the address can be assigned and tested before the installation of the signal. Connections for controlling train movements and for 1 additional distant signal are on the signal decoder.
Height without base 78 mm / 3-1/16".

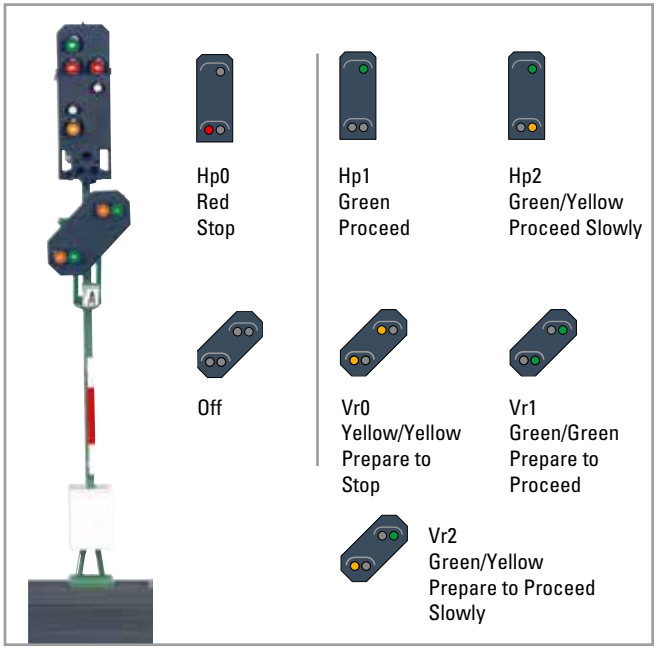
- **2 signals on one mast without additional connections.**
- **Entry signal for use before stations.**
- **Distant signal for use before an exit signal.**



mfx DCC 15+

76496 Color Light Home Signal with a Color Light Distant Signal.
Prototype: German Federal Railway (DB) standard design exit signal with a distant signal on the same signal mast. Home signal with 4 settings like item no. 76494. Distant signal with 3 settings like item no. 76480 / 76481.
Model: The signal has 2 built-in electronic signal circuits and 1 separate signal decoder. The distant signal can be used for all home signals. Control of all functions is possible in the digital system with the signal decoder included with the signal, or in conventional operation with a 72760 control box. The signal decoder can be installed under C Track or under the layout. For digital operation, the configuration and the address can be assigned and tested before the installation of the signal. Connections for controlling train movements and for 1 additional distant signal are on the signal decoder.
Height without base 78 mm / 3-1/16".

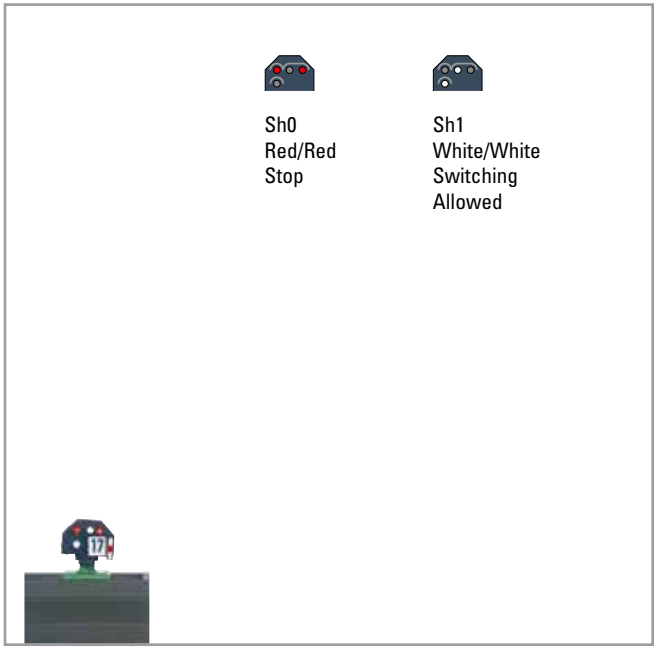
- **2 signals on one mast without additional connections.**
- **Exit signal for use in station areas, or for entry to the main line.**
- **Distant signal for use before a block signal or an entry signal.**



mfx DCC 15+

76471 Color Light Track Block / Yard Signal.
Prototype: German Federal Railroad (DB) standard design yard signal. Dwarf signal without a mast. 2 settings: "Stop" – red/red (Sh0) and "Proceed" – white/white (Sh1).
Model: The signal has an integrated electronic signal circuit and 1 separate signal decoder. There is a plug contact on the narrow base of the signal housing. The signal housing has a small lens hood. Control of all functions is possible in the digital system with the signal decoder included with the signal, or in conventional operation with the 72760 control box. The signal decoder can be installed under C Track or under the layout. For digital operation, the configuration and the address can be assigned and tested before installation of the signal. Connections for controlling train movements are on the signal decoder.
Height without base 10 mm / 3/8".

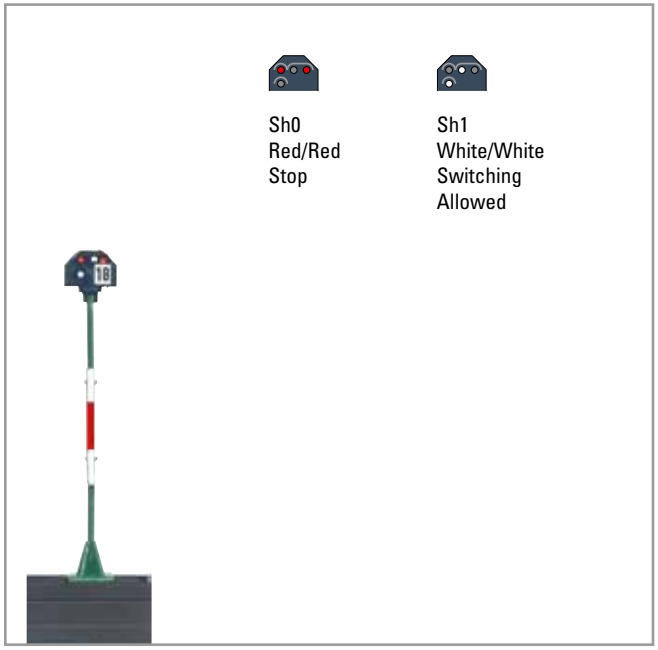
- **Yard signal for use in switching areas.**
- **Signal housing on a prototypically narrow base.**
- **The Sh1 aspect is correct with 2 white lights.**



mfx DCC 15 +

76472 Color Light Track Block / Yard Signal.
Prototype: German Federal Railroad (DB) standard design yard signal. High mounted signal with tubular mast. 2 settings: "Stop" – red/red (Sh0) and "Proceed" – white/white (Sh1).
Model: The signal has an integrated electronic signal circuit and 1 separate signal decoder. Control of all functions is possible in the digital system with the signal decoder included with the signal, or in conventional operation with a 72760 control box. The signal decoder can be installed under C Track or under the layout. For digital operation, the configuration and the address can be assigned and tested before installation of the signal. Connections for controlling train movements are on the signal decoder.
Height without base 50 mm / 1-15/16".

- **Yard signal for use in switching areas.**
- **Prototypical thin pipe mast.**
- **The Sh1 aspect is correct with 2 white lights.**



15 +

72760 Signal Control Box for Advanced Signals.
Signal control box for the 70361, 70381, 70391, 70392, 70411, 70412, and 70421 semaphore/target signals and for the 764xx series color light signals. This control box is for operating up to 4 signals. A multi-conductor cable with plugs is included for connecting control boxes together.

Mini-Club – The Finest

People involved with Z Gauge are subtle connoisseurs; they appreciate the exclusive and gladly allow themselves to be seduced by the new. Regardless of whether you are now an enthusiast for these precious collector pieces, a self-confessed railroad fan, or a practicing model railroader: With Miniclub you own the smallest mass-produced electric trains in the world that show their true size in a scale of 1:220.
We want to present several highlights of this smallest gauge in order to make the next few pages of Miniclub new items even more appealing:
An attractive new item awaits our Insider club members this year: the frequently requested German Federal Railroad class 64 steam locomotive. This completely new piece of tooling will captivate your with fine detailing and a frame and body constructed of metal. Four different DB standard design main line passenger cars are coming out to go with this Insider locomotive. All of the cars have individual car numbers and are not available separately.
As in every year, there is also an Insider annual car in Z Scale in 2014 for the club members. The type Kmmks 51 two-axle sliding roof car is a totally new piece of tooling of a new car type.

For fans of America, there is the Union Pacific E 8 A unit diesel electric locomotive among other things. This model will win you over with it new powerful motor and high pulling power. The extensive, prototypical paint scheme and lettering will thrill every model railroader in love with detail.

The theme of coal transport is playing a very important role with Miniclub in 2014. The coal transport train set with the class 86 and three type Otmm 57 dump cars makes up a prototypical train for transporting coal as used by the DB. The locomotive has been extensively reworked and is equipped with headlights, fully functioning valve gear and side rods, and other delightful details. Two car sets (item numbers 82370 and 82379) can be added to lengthen this train set.

In addition to many new items in the area of rolling stock, there have also been developments in the accessory assortment. Newly design straight track as well as newly designed flex track with the prototypical look of concrete ties is now available to enable you to reproduce the current look of railroad tracks.
You can also expand your layout with a technically reworked turntable that also has new colors. Included with the turntable are a locomotive shed and a building for the railroad maintenance facility management.

Coal Transport Train Set

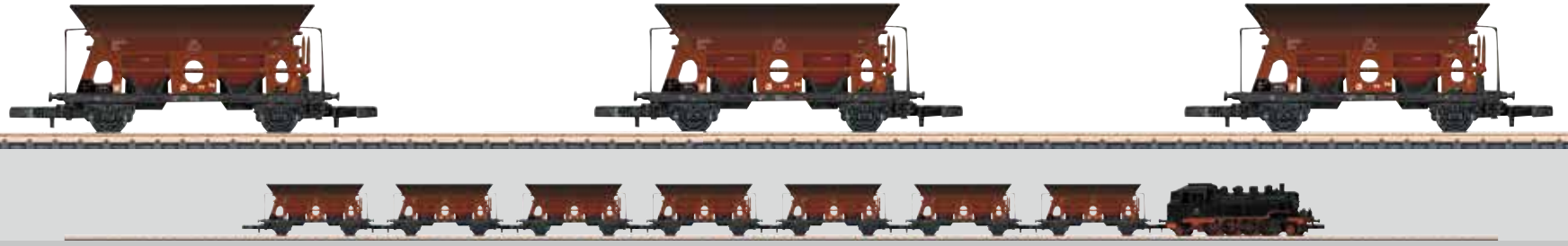
III 15 +

81379 Coal Transport Train Set.
Prototype: German Federal Railroad (DB) class 86 steam locomotive and three type Otmm 57 dump cars, used to transport coal.
Model: The model of the class 86 steam locomotive has been extensively reworked compared to earlier versions and now has fully functional valve gear, imitations of the brakes, and other details in addition to headlights. The type Otmm 57 dump cars are lightly weathered. The locomotive and the cars have the correct paint schemes applied finely. All of the wheels are black nickel-plated. These models are not available separately.
Length over the buffers approximately 195 mm / 7-11/16".

The perfect add-on for this train set is the 82379 and/or 82370 car sets.

One-time series.

5 Year Warranty**



82379 81379

mini-club

Coal Transport Add-On Set

III 15 +

82379 Coal Transport Add-On Set.
Prototype: Four German Federal Railroad (DB) type Otmm 57 dump cars, conveyor belt for loading the cars, and 1 Büssing truck with a trailer.
Model: The type Otmm 57 dump cars are lightly weathered. The cars and the truck are correctly and finely painted. All of the wheels are black nickel-plated. A laser-cut kit of a conveyor belt for loading coal is included. This kit is made of architectural quality cardstock. A model of a Büssing truck with a trailer for transporting coal is included and is lightly weathered. These models are not available separately.
Length over the buffers approximately 180 mm / 7-1/8".

The perfect add-on for the 81379 train set.

One-time series.

5 Year Warranty**

** 5 year warranty on all MHI / Exclusiv items and club items (Märklin Insider and Trix Club) starting in 2012.

Z Insider Models for 2014

The Class 64 – The "Bubikopf" as a Jack-of-all-Trades (almost).

Between 1928 and 1940, many famous locomotive builders in Germany participated in creating the class 64. As part of the standard design program for the German State Railroad Company, the class 64 was also closely related to other locomotive classes, in particular the class 24, which supplied the boiler and the frame for the driving wheels. A total of 520 units were built of this 12.4 meter / 40 foot 8-3/16 inch long standard design passenger tank locomotive with a 2-6-2T wheel arrangement. Due to its lower axle load and maximum speed of 90 km/h / 56 mph, it could be used on almost all routes, and its successful design allowed a broad range of applications. Its home base was passenger train service, but lightweight fast passenger trains and many a freight train were also among its tasks, which it mastered with bravura. World War II and the division of Germany left behind deep traces in the case of the class 64. The German Federal Railroad acquired 278 locomotives; 115 went to the German State Railroad of East Germany and one locomotive remained in Austria. Like many other classes, the class 64 also acquired a nickname. A modern woman's hairstyle of the time (bobbed hair) was the inspiration for this sturdy, compact locomotive. To what extent this was flattering to the world of women or to the profession of hairstylists is debatable, but to the German Federal Railroad the class 64 was a reliable partner for crews and passengers right up to its retirement in 1974. The museum locomotives that have been preserved enjoy endless popularity.

88740 Steam Tank Locomotive.
Prototype: German Federal Railroad (DB) class 64 steam locomotive as it looked in Era III.
Model: The locomotive is completely new tooling and is finely detailed. The locomotive body and frame are constructed of metal. There is a reproduction of the brake rigging, rail clearance devices, etc. on the underside of the locomotive. The locomotive has finely detailed valve gear and side rods. It also has larger buffer plates. The triple headlights change over with the direction of travel. Warm white LEDs are used for the headlights. The locomotive has a 5-pole motor. All 3 coupled axles are powered. The wheels are black nickel-plated. Length over the buffers approximately 57 mm / 2-1/4".

- **Metal locomotive frame and body.**
- **Finely detailed side rods / valve gear.**
- **Reproduction of the braking rigging and rail clearance devices.**
- **5-pole motor.**
- **Warm white LEDs for the headlights.**

The 88740 steam locomotive is being produced in a one-time series only for Insider members.

The 87509 car set can be added to the 88740 locomotive to make a prototypical train consist.

5 Year Warranty**

87509 **88740**

mini-club

© Otto Blaschke, Sammlung Estler

III 15 +

87509 Passenger Car Set.
Prototype: 4 different German Federal Railroad (DB) standard design main line passenger cars as they looked in Era III. 2 type Bie standard design passenger cars, 2nd class, 1 type ABiwe standard design passenger car, 1st/2nd class. 1 type Pwie standard design baggage car.
Model: The 4 different passenger cars are finely painted and lettered. All of the cars have individual car numbers. These models are not available separately.
Total length 252 mm / 9-15/16".

One-time series only for Insider members.

The perfect add-on for the 88740 steam locomotive.

5 Year Warranty**

** 5 year warranty on all MHI / Exclusiv items and club items (Märklin Insider and Trix Club) starting in 2012.

Passenger Train

II 15 +

88910 Passenger Locomotive with a Tender.
Prototype: German State Railroad Company (DRG) class 18.4 passenger locomotive with "wind splitter" cab.
Model: This model has been reworked in many points. It has dual headlights with warm white LEDs. There is a signal lamp (non-working) that can be plugged into the upper part of the end of the locomotive as in the prototype. The locomotive has fine detailing with a representation of the brakes, rail clearance devices, larger buffer plates, detailed side and drive rods and protective sleeves for the piston rods on the inboard cylinders reproduced. The paint scheme is extensive. The locomotive has a 5-pole motor. All of the driving axles are powered. The locomotive has to be used on a radius of 195 mm / 7-11/16" or greater due to the finely constructed nature of the side rods and drive rods and the details.
Length over the buffers 84 mm / 3-5/16".

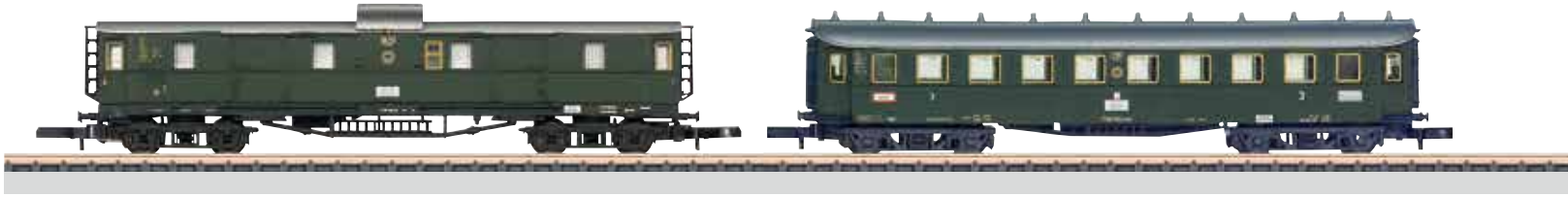
- **Reworked finely detailed model.**

Item number 88910 is the perfect motive power for the 87301 passenger car set.

II 15 +

87301 Passenger Car Set.
Prototype: 2 type C4ü Bay11 express train passenger cars, 3rd class, one type ABC4ü Wü 11 express train passenger car, 1st/2nd/3rd class, and one type Pw4 Ps 04 baggage car, all painted and lettered for the German State Railroad Company (DRG).
Model: All of the cars have correct paint schemes, finely done. All of the wheels are black nickel-plated. These models are not available separately.
Length over the buffers approximately 350 mm / 13-3/4".

The express locomotive to go with the 87301 car set can be found under item number 88910.



87301 88910

88087 Electric Locomotive.
Prototype: German State Railroad Company (DRG) class E 19 as it looked in Era II.
Model: This E 19 correctly realizes the dark red prototype locomotive. The locomotive has a finely executed paint scheme and lettering. It also has a 5-pole motor. All of the driving axles are powered. The triple headlights change over with the direction of travel. They are maintenance-free, warm white LEDs.
Length over the buffers approximately 76 mm / 3".

88224 Heavy Electric Freight Locomotive.
Prototype: German State Railroad (DR) class E 94. Version is a bluish gray paint scheme with olive green roof. The locomotive looks as it did around 1940.
Model: Warm white LEDs are used for the headlights and they change over with the direction of travel. The locomotive has a 5-pole motor. Both hoods are constructed of metal. Both trucks powered. The locomotive is finely and prototypically painted and lettered.
Length over the buffers 85 mm / 3-3/8".

III 15 +

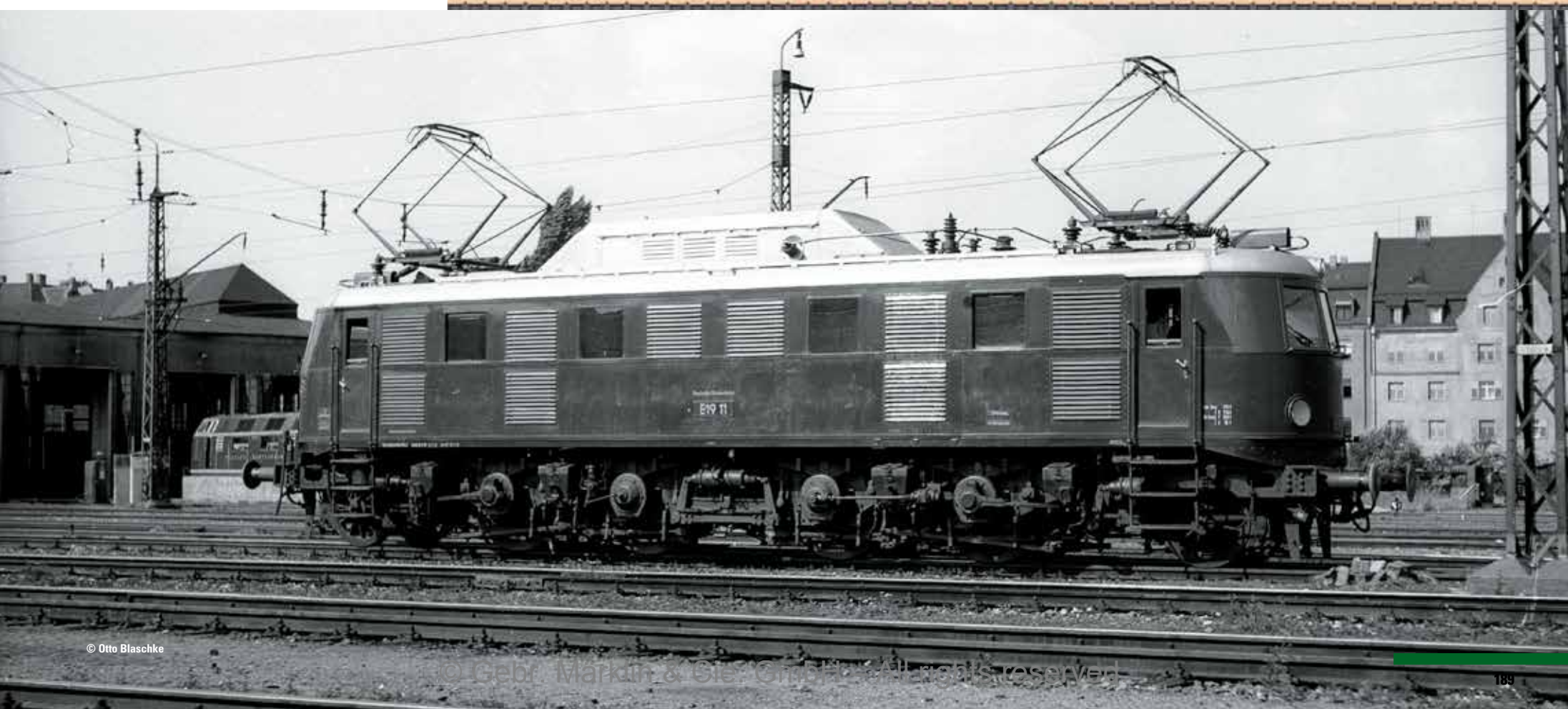
88011 Express Train Locomotive with a Tender.
Prototype: German Federal Railroad (DB) class 01 as it looked in Era III. Standard design locomotive with a welded tender and Witte smoke deflectors.
Model: The locomotive is finely detailed. The locomotive body is constructed of metal with inset cab windows. The locomotive has a reproduction of the brakes, inductive magnet, rail clearance devices, etc. on the locomotive underbody, and free-standing headlights. It has finely detailed valve gear and side rods. The locomotive has a 5-pole motor. All 3 coupled axles powered. Warm white LEDs are used for the headlights. The tender has spoked wheels.
Length over the buffers approximately 112 mm / 4-3/8".

- **Locomotive frame and body constructed of metal.**
- **Finely detailed side rods and valve gear.**
- **Reproduction of brake rigging, inductive magnet, etc.**
- **5-pole motor.**
- **Window inserts on the cab.**
- **LED headlights.**

III 15 +

82370 Coal Transport Car Set.
Prototype: 2 type BT 10 flat cars for type pa containers, one type Otmm 57 dump car, one type OOtz 50 hopper car, painted and lettered for German Federal Railroad (DB).
Model: The flat cars for containers and the OOtz hopper car have load inserts of coal. All of the cars have correct paint schemes, finely done. All of the wheels are black nickel-plated. These models are not available separately.
Length over the buffers approximately 180 mm / 7-1/8".

88086 Electric Locomotive.
Prototype: German Federal Railroad (DB) class E 19.
Model: This E 19 is new tooling with improved, correct realization of the prototype locomotive. The locomotive has a finely executed paint scheme and lettering. It also has a 5-pole motor. All of the driving axles are powered. The triple headlights change over with the direction of travel. They are maintenance-free, warm white LEDs. Length over the buffers approximately 76 mm / 3".



Freight Car Display

III 15 +

82559 Car Display with 10 Different Type GI 11 Freight Cars.
Prototype: 10 German Federal Railroad (DB) Era III type GI 11 Association Design boxcars. 4 of the cars without handbrakes, 3 cars with a brakeman's platform, and 3 cars with a brakeman's cab.
Model: All of the cars are extensively painted and lettered and have individual car numbers. The metal wheel sets are black nickel-plated. The cars are individually packaged in the sales display.
Length over the buffers 56 mm / 2-1/4" (cars with a brakeman's cab and a brakeman's platform) and approximately 53 mm / 2-1/8" (cars without handbrakes).

- **10 individually packaged cars from which to choose.**
- **At specialty dealers in a well-arranged display.**

82559

mini-club

© T. Estler

III 15 +

86395 Beer Car Set. Consisting of 3 Cars.
Prototype: 3 different privately owned beer cars painted and lettered for the Kulmbacher breweries “Reichelbräu Kulmbach”, “Kulmbacher Mönchshof-Bräu”, and “Sandlerbräu Kulmbach”. All of the cars were used on the German Federal Railroad (DB).
Model: There are different versions of the cars’ ends. 2 cars have raised brakeman‘s platforms, 1 car has had its brakeman‘s stand removed.
Total length 120 mm / 4-3/4“.

- **Cars with a raised brakeman’s platform and a reproduction of the hand crank as a tooling change.**

IV 15 +

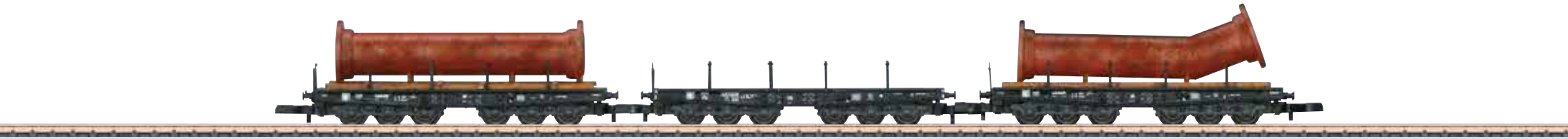
88786 Diesel Locomotive.
Prototype: German Federal Railroad (DB) class 218 diesel locomotive in the ocean blue / beige paint scheme with the rather rare ocean blue roof color.
Model: Both trucks powered. The triple headlights and red marker lights change over with the direction of travel. Maintenance-free warm white and red LEDs are using for the lighting. The paint scheme and lettering are finely executed.
Length over the buffers approximately 75 mm / 2-15/16“.

IV 15 +

82349 Heavy-Duty Flat Car Set with a Load of Flanged Pipe.

Prototype: 3 German Federal Railroad (DB) type Sammp 705 flat cars. Six-axle design with a single flat load surface.

Model: One car is loaded with corner flanged pipe made of metal, with holes in the flange on a load frame, one car is loaded with a flanged pipe made of metal, also produced with holes in the flange, on a load frame. One car has no load. Stake are included and can be installed on the cars. These cars are not available separately. Total length over the buffers 185 mm / 7-1/4".



Class 110 Electric Locomotive

88385 Electric Locomotive.
Prototype: German Railroad, Inc. (DB AG) class 110 electric locomotive painted and lettered as in Era V.
Model: The locomotive is the Era V version with round buffers. There is a selector screw switch inside the locomotive for catenary operation. The locomotive has larger buffer plates. Both trucks powered. Warm white LEDs are used for the triple headlights that change over with the direction of travel. The locomotive has dark nickel-plate wheel treads.
Length over the buffers 76 mm / 3".

The 87809 car can be added to this locomotive to make a prototypical train.

87809 88385

mini-club

“Mintlinge” Passenger Car Set

V 15 +

87809 DB AG “Mintlinge” Passenger Car Set.
Prototype: Era V passenger car set consisting of 2 type Bn 434 passenger cars, 2nd class, and 1 type ABn 404 passenger car, 1st/2nd class.
Model: This 3-part car set consists of one 1st/2nd class car and two 2nd class cars. All of the cars are extensively and finely painted and lettered. The cars have black nickel-plated metal wheels.
Total length over the buffers approximately 360 mm / 14-3/16“.

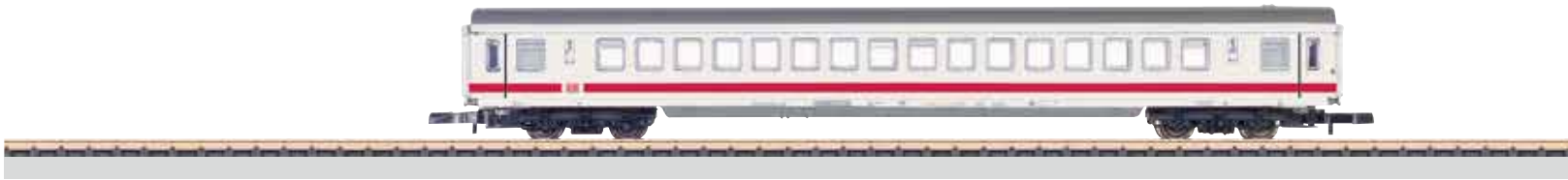
Intercity Car Set

V 15 +

87755 Intercity Car Set.
Prototype: 3 different Era V German Railroad, Inc. (DB AG) Intercity passenger cars, consisting of 1 type Apmz 121.2 passenger car, 1 type ARkimbz 262.4 passenger car, 1 type Bpmz 291.2 passenger car.
Model: This is a 3-part car set consisting of two 1st class cars and one 2nd class car. All of the cars are extensively and finely painted and lettered. The cars have black nickel-plated metal wheels.
Total length over the buffers approximately 360 mm / 14-3/16".

These cars are in a special edition and are not available separately.

The 87755 car set can be an add-on to the cars from the 81870 starter set.



81870 87755 81870

mini-club

Class W 232.01 Diesel Locomotive

"Therese" motive power of the former so-called cement clinker train for the former Ernst Schauffele Schienenverkehrs GmbH. The cement clinker train ran on the route Berlin – Harburg (Schw) – Berlin East Harbor and transported cement clinkers, which were loaded on an inland ship in the Berlin East Harbor and brought for further processing.

88132 Heavy Diesel Locomotive.
Prototype: Class W 232.01 heavy diesel locomotive painted and lettered for the former rail transport company Ernst Schauffele Schienenverkehrs GmbH.
Model: The locomotive has a 5-pole motor. Both trucks powered. The triple headlights and red marker lights change over with the direction of travel. Maintenance-free white and red LEDs are used for the lighting.
Length over the buffers approximately 95 mm / 3-3/4".

- **Maintenance-free LEDs for lighting.**
- **Fine detailing, paintwork, and lettering.**

82434 88132

mini-club

Car Set

V 15 +

82434 Single-Body/Single-Side Dump Car Set.
Prototype: 6 single-side dump cars. Privately owned cars painted and lettered for the firm Ernst Schauffele GmbH, Stuttgart, Germany. Use on the German Railroad, Inc. (DB AG).

Model: All of the cars have different car numbers and a load insert of "cement clinkers". The cars can be tipped. These cars are a special edition and are not available separately.
Total length 362 mm / 14-1/4".

The 88132 locomotive and the earlier 82431 car set can be added to this car set to make a prototypical train.

88578 Electric Locomotive.
Prototype: German Railroad, Inc. (DB AG) class 150 heavy freight locomotive. Chrome oxide green version in Era V.
Model: The locomotive is mostly new tooling. The running gear has been improved particularly compared to earlier versions of this locomotive. It is an Era V version with Klatte vent grills, engine room windows that are not divided into parts and that have rounded corners, and rectangular buffers. The locomotive a red DB AG logo. The slotted switch for selecting catenary operation has been moved to the interior of the locomotive. Both trucks are powered. The triple headlights are warm white LEDs that change over with the direction of travel. The wheel treads are dark nickel-plated.
Length over the buffers 88 mm / 3-1/2".

One-time series.

88219 Diesel Locomotive.
Prototype: German Railroad, Inc. (DB AG) class 213 lightweight general-purpose locomotive in a "Traffic Red" paint scheme.
Model: The locomotive has a 5-pole motor. All axles on both trucks powered. Maintenance-free white and red LEDs are used for the lighting.
Length over the buffers 60 mm / 2-3/8".

- **Fine detailing.**
- **Warm white / red LEDs for the headlights / marker lights.**
- **Extensive paintwork and lettering.**

Sliding Tarp Cars

VI 15 +

86355 "VTG" Sliding Tarp Car Set.
Prototype: Type Shimmns freight cars painted and lettered for VTG AG, Hamburg, Germany. The cars look as they currently do in real life.
Model: The 4 sliding tarp cars are extensively and finely painted and prototypically lettered.
The cars have close coupler hooks.
Length over the buffers approximately 220 mm / 8-5/16".

- **Close coupler.**

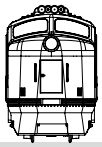
Commuter Train

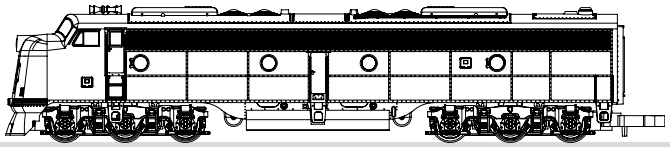
81444 German Railroad, Inc. (DB AG) Commuter Train.
Prototype: German Railroad, Inc. (DB AG / DB Regio) commuter train: class 143 electric locomotive, B-B wheel arrangement. 1 type DBza 751 bi-level car, 2nd class, 1 type DABza 756.0 bi-level car 1st/2nd class, 1 type DBbzfa 761.2 bi-level cab control car.
Model: The train has a class 143 electric locomotive. The 2 bi-level car and 1 bi-level cab control car have the correct paint scheme, finely done, for the current DB Regio AG color scheme. All axles on the locomotive powered. The locomotive can be switched between catenary and track operation. Warm white LEDs are used for the lighting. All of the wheels on the locomotive and cars are black nickel-plated. When operated control car first (locomotive at the rear of the train), triple headlights shine. When operated control car last (locomotive at the front of the train), a red marker lights shine.
Length over the buffers approximately 444 mm / 17-1/2".

III – V 15 +

88627 American E 8 Diesel Electric Locomotive.
Prototype: General Motors EMD class E 8 six-axle A unit painted and lettered for Union Pacific.
Model: The locomotive is completely new tooling. It has a new powerful motor. 2 axles powered on each truck. Traction tires for high pulling power. Warm white LEDs are used for the headlights. The locomotive is finely detailed and has extensive, prototypical paintwork and lettering. It also has the Märklin system coupler front and rear. Road number 938.
Length approximately 96 mm / 3-3/4".

This model is a cooperative project with the firm AZL.



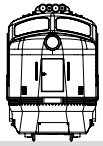


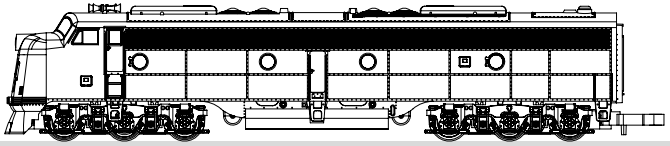
© Paul Greenfield

III – V 15 +

88628 American E 9 Diesel Electric Locomotive.
Prototype: General Motors EMD class E 9 six-axle A unit painted and lettered for Southern Pacific.
Model: The locomotive is completely new tooling. It has a new powerful motor. 2 axles powered on each truck. Traction tires for high pulling power. Warm white LEDs are used for the headlights. The locomotive is finely detailed and has extensive, prototypical paintwork and lettering. It also has the Märklin system coupler front and rear. Road number 6049.
Length approximately 96 mm / 3-3/4".

This model is a cooperative project with the firm AZL.





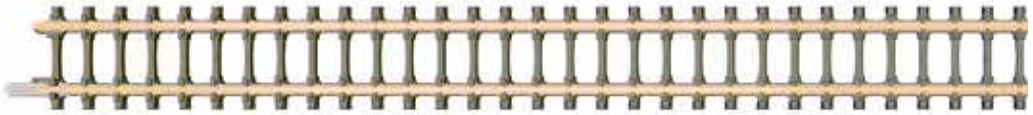
© Ian Jancoski

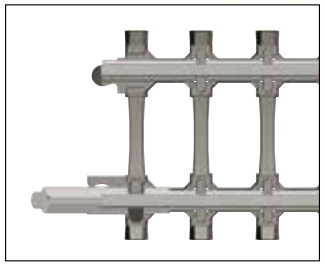
Accessories

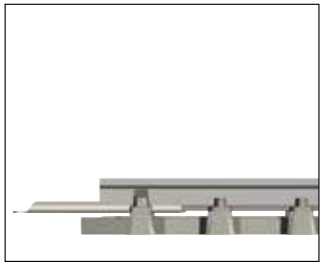
15 +

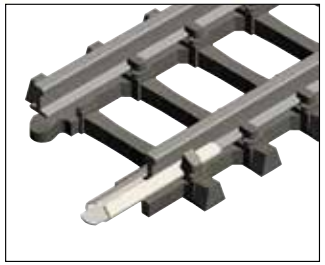
85051 Straight Track with the Look of Concrete Ties.
Length 220 mm / 8-5/16".
Newly designed track with the look of gray concrete ties. Now you can reproduce the current look of railroad track.

- **New tooling.**
- **Prototypical tie geometry and tie color.**





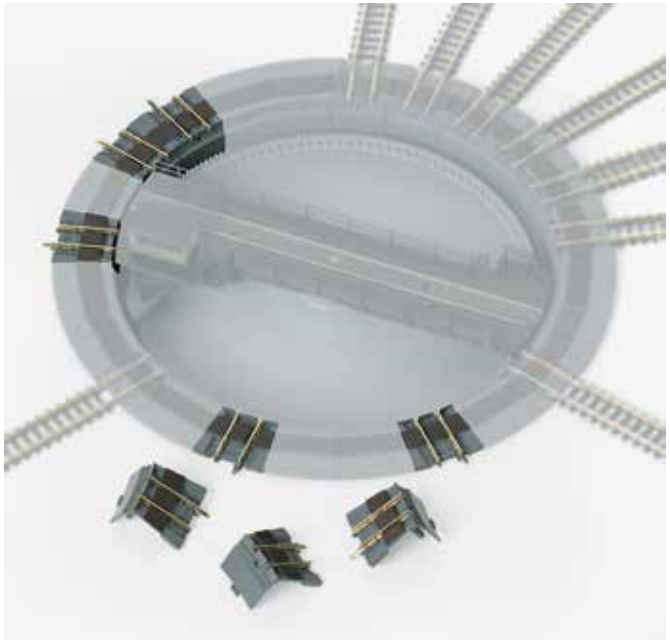




15 +

89971 Expansion Set for the Turntable.
This set consists of 8 track connection edge segments for attaching to the edge of the turntable. The turntable can be expanded to 24 track connections with 2 expansion sets. The color scheme goes with the 89982 turntable.

Expanding the 89982 turntable to 24 track connections.



15 +

85941 Flex Track.
Length 660 mm / 26".
This is new track with the prototypical look of gray concrete ties so that you can reproduce the current look of railroad track. Cutting the tie strip makes it flex track. Cut the rails and tie strip and install new rail joiners (8954).

Turntable with Accessories

15 +

89982 Turntable with Accessories.
The turntable is designed for sunken installation for flush mount on a layout baseboard. It has 8 spoke tracks on the outer edge of the turntable pit. It can be expanded to 24 spoke tracks with the 89971 edge segments that can be snapped onto the turntable pit.
The turntable has extensive detailing and prototypical paintwork. The model has been technically reworked and has been given new colors compared to older versions. It is operated by remote control using a controller included with it. It has a 5-pole electric motor for a drive mechanism. There is automatic shutoff of power to all tracks not lined up and in contact with the turntable deck.
A Z power pack is included for a finer feel in operating locomotives onto the turntable and from the turntable to the stall tracks, as well as in the entire railroad maintenance facility area. The necessary power supply is also included.

External turntable diameter 170 mm / 6-11/16".
Deck length 132 mm / 5-3/16".
The diameter of the opening required for installation on a baseboard is 145 mm / 5-11/16".

Also included are 2 each 3-stall roundhouses which can be converted to 6-stall locomotive sheds. Also included is a model of a building for the management of a railroad maintenance facility. These cardstock building kits are precision laser-cut from high-quality architectural grade cardstock and can be built with cements available from your local hobby dealer. Also included are 6 block sections of track to stop the locomotives automatically.

Märklin 1 – The True Size

Model or reality? However you approach our 1 Gauge models – the view will thrill you. The large scale of 1:32 allows perspectives like in real life; the limits to reality become blurred. Massive proportions, a perfect finish, numerous details – everything is exactly focused on the prototype.
Get an idea of our fantastic new items for 2014 in 1 Gauge:

The new tooling for the "Gläserne Zug" / "Glass Train" powered observation car is the beginning.
At the start of the Thirties, the German State Railroad tried to make traveling by train more attractive in order to compete with the increasing popularity of the Omnibus. Special powered observation cars were built to this end in which you had a good view of the outside from all of the seats. Initially they were used only in Southern Germany and Austria but they spread increasingly farther. The "Gläserne Zug" / "Glass Train" as the class 491 as it looked around 1977 and as the class ET 91 as it looked around 1965.

Have you already discovered the great P8 locomotives? These newly developed locomotives will win you over with highly detailed metal construction and many details such as a smoke generator with steam chuffing synchronized to the wheels, cylinder steam, and a steam whistle. The P8 is coming out in three different era versions and they thus reflect a piece of express train history.
The perfect combination with the P8 locomotives are the "Silberlinge" / "Silver Coins" commuter cars. This car set will be a must for every collector with its true-to-life reproduction of the peacock's eye pattern and the car bodies with finely detailed plastic construction.

We are presenting another steam locomotive highlight in the form of the class 24 as it originally looked with small Wagner smoke deflectors. This locomotive was nicknamed the "Steppenpferd" / "Prairie Pony". It was designed as a passenger locomotive for the long, flat branch lines in East and West Prussia. It was soon used as a general-purpose locomotive. Our model has controlled high-efficiency propulsion and extensive sound and operating functions.

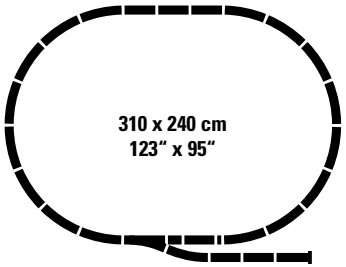
“Freight Train” Digital Starter Set

55045 “Freight Train” Digital Starter Set.
Prototype: German Federal Railroad (DB) branch line freight train: Class 80 tank locomotive, type RIlmms 56 stake car, type Omm 55 high side gondola, and standard design tank car with a brakeman‘s platform as a privately owned car painted and lettered for the firm Aral.
Model: The locomotive has a metal frame. It also has an mfx digital decoder with controlled high-efficiency propulsion and extensive sound functions. The locomotive can be operated with AC power, DC power, Märklin Digital, and DCC. All axles powered. Traction tires. The headlights will work in conventional operation and can be controlled digitally. The doors can be opened.
Length over the buffers 30.5 cm / 12“.

The 2-axle stake car has a standard frame with truss rods. The stakes can be removed.
Length over the buffers 31.5 cm / 12-3/8”.
The 2-axle high side gondola has a standard frame with truss rods.
Length over the buffers 31.5 cm / 12-3/8“.
The 4-axle tank car is a self-supporting design. It has a brakeman‘s platform, ladders, and a catwalk.
Length over the buffers 38.5 cm / 15-1/8”.
The minimum radius for operation of the train is 1,020 mm / 40-1/8“.

Contents: 7 no. 5903 straight track, 1 each no. 5916 and 5917 straight track. 17 no. 5935 curved track, 1 no. 5977 right turnout (without the supplemental adjustment section) as well as 1 track bumper. 230 volt / 36 VA switched mode power pack. No. 60653 Mobile Station digital controller. No. 60112 digital connector box. Connecting hardware and track clips.
Space required for the track layout is approximately 310 x 240 cm / 123” x 95“.

Digital Functions	Control Unit	Mobile Station	Mobile Station 2	Central Station
Headlight(s)	x	x	x	x
Generator Sounds	x	x	x	x
Steam locomotive op. sounds	x	x	x	x
Locomotive whistle	x	x	x	x
Direct control	x	x	x	x
Sound of squealing brakes off		x	x	x
Sound of coal being shoveled		x	x	x
Bell		x	x	x
Whistle for switching maneuver		x	x	x
Letting off Steam			x	x
Grate Shaken			x	x



Class P8 Steam Locomotive with a Tender

55381 Steam Locomotive with a Tender.
Prototype: Royal Prussian State Railways (K.P.E.V.) class P8 steam locomotive with a tender. Later the class 38.10-40.
Model: The locomotive has a frame, superstructure, tender, and applied parts constructed mostly of metal. This is a highly detailed model with many separately applied parts and a detailed engineer's cab. The locomotive has an mfx digital decoder, controlled high efficiency propulsion, and a sound generator with operating sounds synchronized with the wheels as well as extensive sound functions. It can be operated with AC power, DC power, Märklin Digital, or DCC. 3 axles powered. The locomotive has a built-in smoke unit with smoke exhaust and cylinder steam synchronized with the wheels. The dual headlights have a light color correct for the era and change over with the direction of travel. The headlights and the smoke generator will work in conventional operation and can be controlled digitally. The lighting is maintenance-free, warm white LEDs. The locomotive has engine cab, and fire box lights. The locomotive has a reproduction of the prototype coupler on the front and a claw coupler on the rear of the tender. An accessory package with a reproduction of the prototype coupler, a claw coupler, and a figure of a locomotive engineer and a fireman is included with the locomotive.
Minimum radius for operation 1,020 mm / 40-3/16".
Length over the buffers 58.1 cm / 22-7/8".

- **Completely new tooling.**
- **Highly detailed metal construction.**
- **A smoke generator with smoke exhaust and cylinder steam synchronized with the wheels included.**
- **Operating sounds synchronized with the wheels and controlled by the load.**
- **Smoke box door with many original details, can be opened.**
- **Headlights with a light color correct for the era und warm white LEDs.**
- **Two-color fire box flickering light.**
- **Engine cab lighting included.**
- **mfx decoder for operation with AC power, DC power, Märklin Digital, or DCC.**

Digital Functions	Control Unit	Mobile Station	Mobile Station 2	Central Station
Headlight(s)	x	x	x	x
Smoke generator	x	x	x	x
Steam locomotive op. sounds	x	x	x	x
Locomotive whistle	x	x	x	x
Direct control	x	x	x	x
Engineer's cab lighting		x	x	x
Sound of coal being shoveled		x	x	x
Whistle for switching maneuver		x	x	x
Sound of squealing brakes off			x	x
Letting off Steam			x	x
Air Pump			x	x
Water Pump			x	x
Injectors			x	x
Grate Shaken			x	x

Boxcar

58681 Freight Car.
Prototype: German State Railroad Company (DRG) type Grhs “Oppeln” boxcar.
Model: The complete car body is finely constructed plastic with many separately applied details. The car frame is constructed of metal. The sliding doors can be opened. The minimum radius for operation is 600 mm / 23-5/8“.
Length over the buffers 30.6 cm / 12”.

Class 38.10-40 Steam Locomotive

55383 Steam Locomotive with a Tender.
Prototype: German Federal Railroad (DB) class 38.10-40 steam locomotive with a tender, with Wagner smoke deflectors. Former Prussian P8.
Model: The locomotive has a frame, superstructure, tender, and applied parts constructed mostly of metal. This is a highly detailed model with many separately applied parts and a detailed engineer's cab. The locomotive has an mfx digital decoder, controlled high efficiency propulsion, and a sound generator with operating sounds synchronized with the wheels as well as extensive sound functions. It can be operated with AC power, DC power, Märklin Digital, or DCC. 3 axles powered. The locomotive has a built-in smoke unit with smoke exhaust and cylinder steam synchronized with the wheels. The dual headlights have a light color correct for the era and change over with the direction of travel. The headlights and the smoke generator will work in conventional operation and can be controlled digitally. The lighting is maintenance-free, warm white LEDs. The locomotive has engine cab and fire box lights. The locomotive has a reproduction of the prototype coupler on the front and on the rear of the tender. An accessory package with a reproduction of the prototype coupler, a claw coupler, and a figure of a locomotive engineer and a fireman is included with the locomotive.
Minimum radius for operation 1,020 mm / 40-3/16".
Length over the buffers 58.1 cm / 22-7/8".

- **Completely new tooling.**
- **Highly detailed metal construction.**
- **A smoke generator with smoke exhaust and cylinder steam synchronized with the wheels included.**
- **Operating sounds synchronized with the wheels and controlled by the load.**
- **Smoke box door with many original details, can be opened.**
- **Headlights with a light color correct for the era and warm white LEDs.**
- **Two-color fire box flickering light.**
- **Running gear lights included.**
- **Engine cab lighting included.**
- **mfx decoder for operation with AC power, DC power, Märklin Digital, or DCC.**

Digital Functions	Control Unit	Mobile Station	Mobile Station 2	Central Station
Headlight(s)	x	x	x	x
Smoke generator	x	x	x	x
Steam locomotive op. sounds	x	x	x	x
Locomotive whistle	x	x	x	x
Direct control	x	x	x	x
Engineer's cab lighting		x	x	x
Sound of coal being shoveled		x	x	x
Bell		x	x	x
Whistle for switching maneuver		x	x	x
Sound of squealing brakes off			x	x
Letting off Steam			x	x
Running gear lights			x	x
Water Pump			x	x
Generator Sounds			x	x
Injectors			x	x
Grate Shaken			x	x

15 +

02421 Smoke Fluid (without figure).
This is a large refill bottle with 250 ml / 8.45 oz. especially for 1 Gauge models with cylinder steam or for all smoke units.

“Silberlinge” Commuter Car Set

58341 “Silberlinge” Commuter Car Set.
Prototype: 3 German Federal Railroad (DB) “Silberling / Silver Coin Design” commuter cars. 2 commuter cars (B4nb-59), 2nd class, car numbers 41215 Stg and 41221 Stg. 1 commuter car (AB4nb-59), 1st/2nd class, car number 31028 Stg.
Model: The car bodies are finely constructed of plastic with complete detailed interiors and many separately applied details. The cars reproduce the original, typical “peacock’s eye” pattern. The cars have detailed underbodies specific to the car types. The trucks are Minden-Deutz designs with brake shoes and separately applied generators. Each car has built-in interior lighting and marker lights that can be controlled digitally with the factory-installed digital decoder. The interior lighting will work in conventional operation. Maintenance-free, warm white LEDs are used for the interior lighting. The couplers have close coupler mechanisms. All of the cars have a scale length at 82.5 cm / 32-1/2”. The minimum radius for operation is 1,020 mm / 40-1/8” (1,550 mm / 61” for operation with parallel curves).
Total length over the buffers 248 cm / 97-5/8”.

- **New tooling.**
- **Car bodies finely constructed of plastic with many separately applied details and with a representation of the “peacock’s eye” pattern true to the original.**
- **The cars have a scale length at 82.5 cm / 32-1/2”.**
- **Digital decoders for controlling the interior lighting and marker lights included.**

One-time series.

Digital Functions	Control Unit	Mobile Station	Mobile Station 2	Central Station
Interior lighting	x	x	x	x
Interior lighting, 2nd class	x	x	x	x
Lighting at the entry	x	x	x	x
Marker light(s)	x	x	x	x
Marker light(s)	x	x	x	x
Interior lighting, 2nd class		x	x	x
Lighting at the entry		x	x	x
Marker light(s)		x	x	x
Marker light(s)		x	x	x
Interior lighting			x	x
Interior lighting, 2nd class			x	x
Interior lighting, 1st class			x	x
Lighting at the entry			x	x
Aisle lighting			x	x
Marker light(s)			x	x
Marker light(s)			x	x

The "Silberlinge / Silver Coins" – A DB Success Story.

The German Federal Railroad car designated as "Silberling / Silver Coin" is a car adhering to the UIC-X guidelines. It is 26.4 meters / 86 feet 7-3/8 inches long and has 2 entry areas with double doors. The name derives from the car bodies constructed of polished stainless steel. The car group "n", the official designation for the "Silberling", was purchased in a group of 5,000 units between 1961 and 1980 and in different designs. For a long time it was the most widely used car in commuter service on the DB. Depending on the design, these cars tip the scales at 31-40 metric tons and are authorized for a maximum speed of 120-140 km/h / 75-88 mph. The pure 2nd class car has seating for 96, in the mixed class car there is seating for 30 in 1st class and for 46 in 2nd class. The German Federal Railroad placed different cab control cars into service for push/pull operation, which was often done with the class E 41/141. The "Rabbit Hutch", a cab control car with extremely cramped space for the locomotive engineer was replaced by the later "Karlsruher Kopf" type cab control car. This cab control car also had a baggage area, but more importantly a modern, generously arranged engineer's cab. The name derives from the maintenance facility in Karlsruhe, where the cab control cars were rebuilt.
The "Silberling" was a universal car, from commuter service to express train, even used as reserve cars in Inter-Zone trains to Berlin. The "n" cars had steam, diesel, and electric locomotives for motive power, and, like many other DB cars, were run in different paint schemes. However, although they have been ignored in mint green, "traffic red", or countless forms of Graffiti, they have remained the "Silberlinge" in popular usage. Presently, these cars are in used on the DB AG in the "traffic red" paint scheme, and similar classes based on the construction principles for the "Silberlinge" can be found in Luxembourg, the Netherlands, and Poland, for example.

“Silberling” Commuter Cab Control Car

58342 “Silberling” Commuter Cab Control Car.
Prototype: German Federal Railroad (DB) “Silberling / Silver Coin Design” commuter cab control car (BD4nf-59), 2nd class with a baggage compartment. “Rabbit hutch” end with a baggage area and rubber tube diaphragm. Car number 96426 Stg.
Model: The car body is finely constructed of plastic with complete detailed interior and many separately applied details. The car reproduces the original, typical “peacock’s eye” pattern. The car has a detailed underbody specific to the car type. The trucks are Minden-Deutz designs with double brake shoes and separately applied generators. The car has a built-in mfx decoder with extensive sound functions as well as digitally controlled interior lighting and marker lights. The interior lighting will work in conventional operation. Maintenance-free, warm white LEDs are used for the interior lighting. The couplers have close coupler mechanisms. The car has a scale length at 82.5 cm / 32-1/2“. The minimum radius for operation is 1,020 mm / 40-1/8” (1,550 mm / 61“ for operation with parallel curves).
Length over the buffers 82.5 cm / 32-1/2”.

- **New tooling.**
- **Car body finely constructed of plastic with many separately applied details and with a representation of the “peacock’s eye” pattern true to the original.**
- **The car has a scale length at 82.5 cm / 32-1/2”.**
- **mfx decoder with extensive sound and light functions included.**

One-time series.

Digital Functions	Control Unit	Mobile Station	Mobile Station 2	Central Station
Interior lighting	x	x	x	x
Interior lighting, 2nd class	x	x	x	x
Cab lighting	x	x	x	x
Lighting at the entry	x	x	x	x
Baggage area lighting	x	x	x	x
Headlights 3 x white		x	x	x
Marker light 2 x red		x	x	x
Horn		x	x	x
Bell		x	x	x
Rear headlights off			x	x
Conductor’s whistle			x	x
Station announcement			x	x
Doors closing			x	x
Surrounding sounds / station			x	x
Surrounding sounds 1			x	x
2nd conductor’s whistle			x	x

Class 24 Steam Locomotive

55247 Steam Locomotive with a Tender.
Prototype: German Federal Railroad (DB) class 24 "Steppenpferd" / "Prairie Pony" passenger locomotive. Original version with small Wagner smoke deflectors.
Model: The locomotive has a frame, running boards, boiler, and cab floor constructed of metal. The remaining parts are made of high quality plastic. The locomotive has an mfx digital decoder, controlled high efficiency propulsion, and extensive sound functions. It can be operated with DC power, AC power, Märklin Digital, or DCC. 3 axles powered. The locomotive has a built-in smoke unit. The dual headlights change over with the direction of travel. The headlights and the smoke generator will work in conventional operation and can be controlled digitally. The engineer's cab has interior details. The locomotive has many separately applied details. The locomotive has a reproduction of the prototype coupler on the front and a claw coupler on the rear of the tender. An accessory package with a reproduction of the prototype coupler, a claw coupler, and a figure of a locomotive engineer and a fireman is included with the locomotive.
Minimum radius for operation 1,020 mm / 40-3/16".
Length over the buffers 53 cm / 20-7/8".

- **Tooling change with small Wagner smoke deflectors.**
- **Operating sounds synchronized with the wheels.**
- **Flickering fire box light.**

One-time series.

Digital Functions	Control Unit	Mobile Station	Mobile Station 2	Central Station
Headlight(s)	x	x	x	x
Smoke generator	x	x	x	x
Steam locomotive op. sounds	x	x	x	x
Locomotive whistle	x	x	x	x
Direct control	x	x	x	x
Engineer's cab lighting		x	x	x
Water Pump		x	x	x
Bell		x	x	x
Whistle for switching maneuver			x	x
Sound of squealing brakes off			x	x
Letting off Steam			x	x
Brake Compressor			x	x
Sound of coal being shoveled			x	x
Generator Sounds			x	x
Injectors			x	x
Grate Shaken			x	x

Class E 10.1 Electric Locomotive

55012 Electric Locomotive.
Prototype: German Federal Railroad (DB) class E 10.1. Express locomotive with a squared off body, 5 headlights / marker lights, continuous rain gutter, and high-efficiency vents. Cobalt blue basic paint scheme. The locomotive looks as did it around 1964.
Model: The frame and the truck frames are constructed of metal. The superstructure is constructed mostly of metal. The locomotive has an mfx digital decoder, controlled high-efficiency propulsion, and extensive sound functions. It can be operated with AC power, DC power, Märklin Digital, and DCC. The locomotive has a powerful, centrally mounted motor and drives all of the axles in both trucks by means of cardan shafts. In digital operation the double arm pantographs can be raised and lowered by motors. The white headlights and red marker lights are LEDs. They will work in conventional operation and can be controlled digitally. White LED lights are on in the engineer's cab at the front of the locomotive, depending on the direction of travel. The doors for the engineer's cab can be opened. The cabs have interior details and Engineer's Cab 1 has a figure of a locomotive engineer. There are metal grab irons and many other separately applied details: DB sign plates, antenna, windshield wipers, a whistle, buffer beams with sprung buffers, and separately applied brake lines. The locomotive comes from the factory with claw couplers mounted on it; they can be replaced by 2 reproduction prototype couplers that are included with the locomotive.
The minimum radius for operation is 1,020 mm / 40-1/8".
Length over the buffers 51.5 cm / 20-1/4".

- **In digital operation, the double arm pantographs can be raised and lowered by motors.**

One-time series.

Digital Functions	Control Unit	Mobile Station	Mobile Station 2	Central Station
Headlight(s)	x	x	x	x
Engineer's cab lighting	x	x	x	x
Electric locomotive op. sounds	x	x	x	x
Locomotive whistle	x	x	x	x
Direct control	x	x	x	x
Station Announcements		x	x	x
Pantograph 1		x	x	x
Conductor's Whistle		x	x	x
Pantograph 2		x	x	x
Sound of squealing brakes off			x	x
Rear Headlights off			x	x
Front Headlights off			x	x
Compressor			x	x
Letting off Air			x	x

Class E 40 Electric Locomotive

55014 Electric Locomotive.
Prototype: German Federal Railroad (DB) class E 40. Freight locomotive with a squared off locomotive body, 5 headlights, continuous rain gutter, and a high-performance vents. Chrome oxide green basic paint scheme. The locomotive looks as it did around 1967.
Model: The frame and the truck frames are constructed of metal. The superstructure is constructed mostly of metal. The locomotive has an mfx digital decoder, controlled high-efficiency propulsion, and extensive sound functions. It can be operated with AC power, DC power, Märklin Digital, and DCC. The locomotive has a powerful, centrally mounted motor and drives all of the axles in both trucks by means of cardan shafts. In digital operation the double arm pantographs can be raised and lowered by motors. The white headlights and red marker lights are LEDs. They will work in conventional operation and can be controlled digitally. White LED lights are on in the engineer's cab at the front of the locomotive, depending on the direction of travel. The doors for the engineer's cab can be opened. The cabs have interior details and Engineer's Cab 1 has a figure of a locomotive engineer. There are metal grab irons and many other separately applied details: DB sign plates, windshield wipers, a whistle, buffer beams with sprung buffers, and separately applied brake lines. The locomotive comes from the factory with claw couplers mounted on it; they can be replaced by 2 reproduction prototype couplers that are included with the locomotive.
The minimum radius for operation is 1,020 mm / 40-1/8".
Length over the buffers 51.5 cm / 20-1/4".

- **In digital operation, the double arm pantographs can be raised and lowered by motors.**

One-time series.

Digital Functions	Control Unit	Mobile Station	Mobile Station 2	Central Station
Headlight(s)	x	x	x	x
Engineer's cab lighting	x	x	x	x
Electric locomotive op. sounds	x	x	x	x
Locomotive whistle	x	x	x	x
Direct control	x	x	x	x
Sound of Couplers Engaging		x	x	x
Pantograph 1		x	x	x
Whistle for switching maneuver		x	x	x
Pantograph 2		x	x	x
Sound of squealing brakes off			x	x
Rear Headlights off			x	x
Front Headlights off			x	x
Compressor			x	x
Letting off Air			x	x
Sanding			x	x

58229 58228 55014

“Loading Wood” Freight Car Set

58228 “Loading Wood” Freight Car Set.
Prototype: Two German Federal Railroad (DB) high side gondolas. One type Omm 52 gondola with a brakeman‘s platform and one type Omm 52 gondola without a brakeman‘s platform / cab. The cars are loaded with sawn and stacked logs.
Model: The frame and car body are high quality plastic with numerous separately applied parts (brake rigging, brakeman‘s grab irons, steps, etc.). The load insert is made of real wood. Each car is securely packaged. The minimum radius for operation is 600 mm / 23-5/8“.
Total length over the buffers 62.9 cm / 24-3/4“.

Additional cars for “Loading Wood” can be found under item number 58229.

III 15 +

58229 "Loading Wood" Freight Car Set.
Prototype: Three different German Federal Railroad (DB) freight cars. One type Omm 52 gondola with a brakeman's platform, one type R 10 stake car with a brakeman's platform, and one type Kmmks 51 sliding roof car without a brakeman's platform / cab. The gondolas and stake car are are loaded with sawn and stacked logs.

Model: The frame and car body are high quality plastic with numerous separately applied parts (brake rigging, brakeman's grab irons, steps, etc.). The load insert is made of real wood. Each car is securely packaged. The minimum radius for operation is 1,020 mm / 40-1/8". Total length over the buffers 102.9 cm / 40-1/2".

Additional cars for "Loading Wood" can be found under item number 58228.

58229 58228 55014

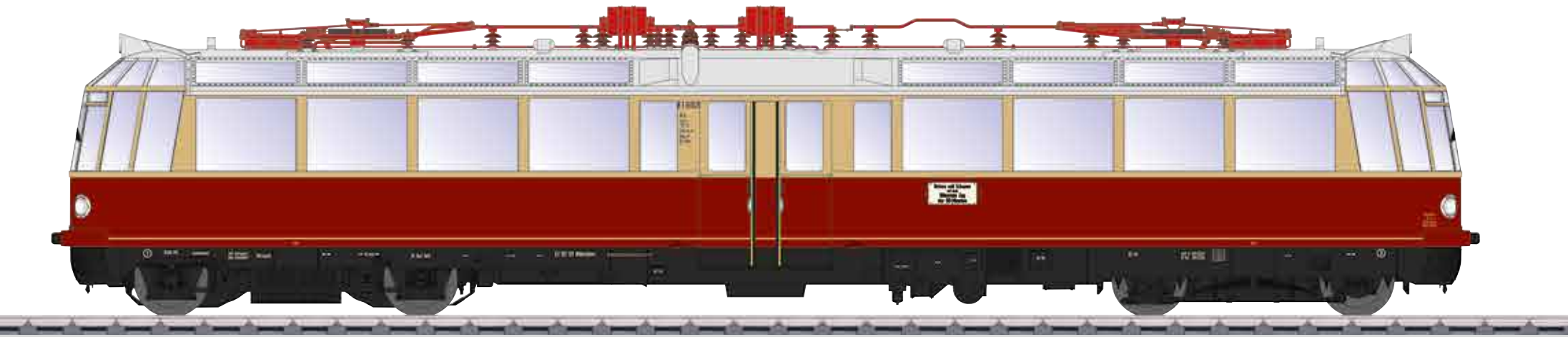
“Glass Train”

55919 Powered Observation Rail Car.
Prototype: German Federal Railroad (DB) class ET 91 “Glass Train” electric powered observation car. The car has simple lamps on the ends, an air whistle on the roof instead of a horn, and 2 double-arm pantographs. Crimson / beige paint scheme. The car looks as it did around 1965.
Model: The frame is constructed of metal, the body of finely constructed metal/plastic with separately applied details (metal grab irons, windshield wipers, air whistle, etc.). The trucks have prototypically different wheelbases. The car has an mfx digital decoder, controlled high-efficiency propulsion, and extensive sound functions. It can be operated with AC power, DC power, Märklin Digital, and DCC. LEDs are used for the white headlights and red marker lights. They will work in conventional operation and can be controlled digitally. The car has factory-installed interior lighting. The interior lighting can be dimmed as a digital auxiliary function. The car has detailed interior details. A set of 20 figures is included. There are two double-arm pantographs on the roof. In digital operation, the pantographs can be raised and lowered by motors.
The minimum radius for operation is 1,020 mm / 40-1/8“.
Length over the buffers 64.4 cm / 25-3/8”.

- **Completely new tooling.**
- **Highly detailed model.**
- **20 figures included.**
- **Version with two double-arm pantographs.**
- **Pantographs that can be raised and lowered by motors in digital operation. Im**
- **mfx decoder for operation with AC power, DC power, Märklin Digital, and DCC.**

© T. Horn, www.glaesernerzug.de

Digital Functions	Control Unit	Mobile Station	Mobile Station 2	Central Station
Headlight(s)	x	x	x	x
Interior lights	x	x	x	x
Electric locomotive op. sounds	x	x	x	x
Locomotive whistle	x	x	x	x
Direct control	x	x	x	x
Greeting		x	x	x
Pantograph 1		x	x	x
Light Function1		x	x	x
Pantograph 2		x	x	x
Sound of squealing brakes off			x	x
Doors Closing			x	x
Conductor’s Whistle			x	x
Bell			x	x
Station Announcements			x	x
Letting off Air			x	x
Rail Joints			x	x



mfx IV 15 +

55918 Powered Observation Rail Car.
Prototype: German Federal Railroad (DB) class 491 "Glass Train" electric powered observation car. With double lamps on the ends, speaker, and train radio antenna as well as double-arm and single-arm pantographs. Silver aluminum / Olympia blue paint scheme. The car looks as it did around 1977.
Model: The frame is constructed of metal, the body of finely constructed metal/plastic with separately applied details (metal grab irons, windshield wipers, speaker, antenna, etc.). The trucks have prototypically different wheelbases. The car has an mfx digital decoder, controlled high-efficiency propulsion, and extensive sound functions. It can be operated with AC power, DC power, Märklin Digital, and DCC. LEDs are used for the white headlights and red marker lights. They will work in conventional operation and can be controlled digitally. The car has factory-installed interior lighting. The interior lighting can be dimmed as a digital auxiliary function. The car has detailed interior details. A set of 20 figures is included. There is a double-arm and a single-arm pantograph on the roof. In digital operation, the pantographs can be raised and lowered by motors. The minimum radius for operation is 1,020 mm / 40-1/8". Length over the buffers 64.4 cm / 25-3/8".

- **Completely new tooling.**
- **Highly detailed model.**
- **20 figures included.**
- **Version with a double-arm and a single-arm pantograph.**
- **Pantographs that can be raised and lowered by motors in digital operation.**
- **mfx decoder for operation with AC power, DC power, Märklin Digital, and DCC.**

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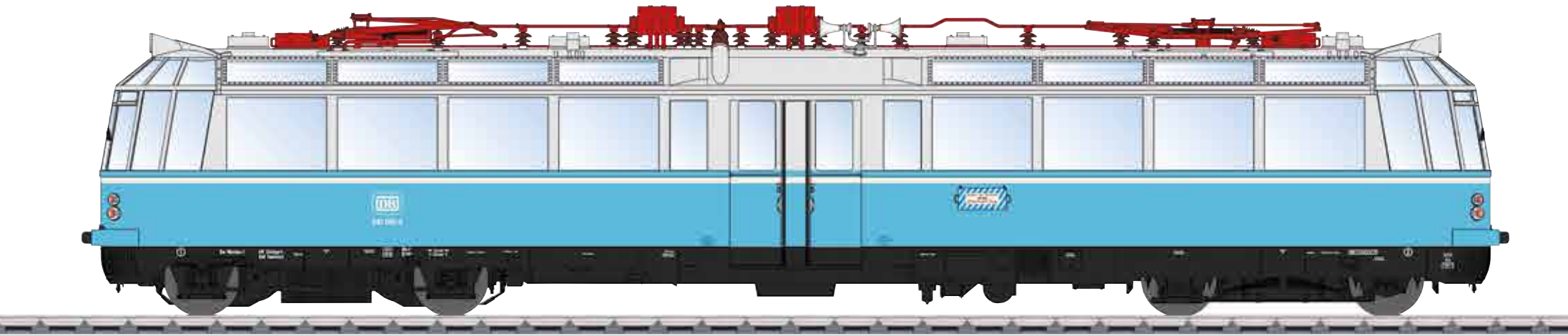
Digital Functions	Control Unit	Mobile Station	Mobile Station 2	Central Station
Headlight(s)	x	x	x	x
Interior lights	x	x	x	x
Electric locomotive op. sounds	x	x	x	x
Warning Sound	x	x	x	x
Direct control	x	x	x	x
Greeting		x	x	x
Pantograph 1		x	x	x
Light Function1		x	x	x
Pantograph 2		x	x	x
Sound of squealing brakes off			x	x
Doors Closing			x	x
Conductor's Whistle			x	x
Bell			x	x
Station Announcements			x	x
Letting off Air			x	x
Rail Joints			x	x



Class 038.10-40 Steam Locomotive

55384 Steam Locomotive with a Tender.
Prototype: German Federal Railroad (DB) class 038.10-40 steam locomotive with a tender, with Witte smoke deflectors. Former Prussian P8.
Model: The locomotive has a frame, superstructure, tender, and applied parts constructed mostly of metal. This is a highly detailed model with many separately applied parts and a detailed engineer's cab. The locomotive has an mfx digital decoder, controlled high efficiency propulsion, and a sound generator with operating sounds synchronized with the wheels as well as extensive sound functions. It can be operated with AC power, DC power, Märklin Digital, or DCC. 3 axles powered. The locomotive has a built-in smoke unit with smoke exhaust and cylinder steam synchronized with the wheels. The dual headlights have a light color correct for the era and change over with the direction of travel. The headlights and the smoke generator will work in conventional operation and can be controlled digitally. The lighting is maintenance-free, warm white LEDs. The locomotive has running gear, engine cab, and fire box lights. The locomotive has a reproduction of the prototype coupler on the front and a claw coupler on the rear of the tender. An accessory package with a reproduction of the prototype coupler, a claw coupler, and a figure of a locomotive engineer and a fireman is included with the locomotive.
Minimum radius for operation 1,020 mm / 40-3/16".
Length over the buffers 58.1 cm / 22-7/8".

- **Completely new tooling.**
- **Highly detailed metal construction.**
- **A smoke generator with smoke exhaust and cylinder steam synchronized with the wheels included.**
- **Operating sounds synchronized with the wheels and controlled by the load.**
- **Smoke box door with many original details, can be opened.**
- **Headlights with a light color correct for the era und warm white LEDs.**
- **Two-color fire box flickering light.**
- **Running gear lights included.**
- **Engine cab lighting included.**
- **mfx decoder for operation with AC power, DC power, Märklin Digital, or DCC.**

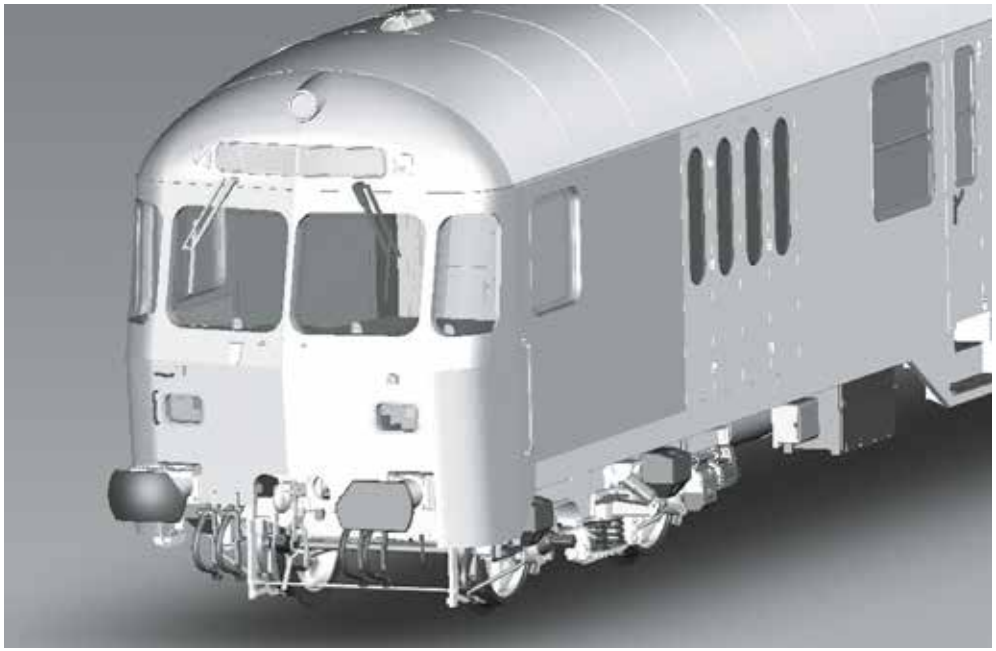
Digital Functions	Control Unit	Mobile Station	Mobile Station 2	Central Station
Headlight(s)	x	x	x	x
Smoke generator	x	x	x	x
Steam locomotive op. sounds	x	x	x	x
Locomotive whistle	x	x	x	x
Direct control	x	x	x	x
Engineer's cab lighting		x	x	x
Sound of coal being shoveled		x	x	x
Bell		x	x	x
Whistle for switching maneuver		x	x	x
Sound of squealing brakes off			x	x
Letting off Steam			x	x
Running gear lights			x	x
Water Pump			x	x
Generator Sounds			x	x
Injectors			x	x
Grate Shaken			x	x

“Silberling” Commuter Cab Control Car

58344 “Silberling” Commuter Cab Control Car.
Prototype: German Federal Railroad (DB) “Silberling” / “Silver Coin Design” commuter cab control car (Bdnf 735), 2nd class with a baggage compartment. “Karlsruhe” end with a baggage area and an orange-colored warning stripe. Car number 508082–11530-6.
Model: The car body is finely constructed of plastic with complete detailed interior and many separately applied details. The car reproduces the original, typical “peacock’s eye” pattern. The car has a detailed underbody specific to the car type. The trucks are Minden-Deutz designs with double brake shoes and separately applied generators. The car has a built-in mfx decoder with extensive sound functions as well as digitally controlled interior lighting and marker lights. The interior lighting will work in conventional operation. Maintenance-free, warm white LEDs are used for the interior lighting. The couplers have close coupler mechanisms. The car has a scale length at 82.5 cm / 32-1/2“. The minimum radius for operation is 1,020 mm / 40-1/8” (1,550 mm / 61“ for operation with parallel curves).
Length over the buffers 82.5 cm / 32-1/2”.

- **New tooling.**
- **Car body finely constructed of plastic with many separately applied details and with a representation of the “peacock’s eye” pattern true to the original.**
- **The car has a scale length at 82.5 cm / 32-1/2“.**
- **mfx decoder with extensive sound and light functions included.**

One-time series.



Digital Functions	Control Unit	Mobile Station	Mobile Station 2	Central Station
Interior lighting	x	x	x	x
Interior lighting, 2nd class	x	x	x	x
Cab lighting	x	x	x	x
Lighting at the entry	x	x	x	x
Baggage area lighting	x	x	x	x
Headlights 3 x white		x	x	x
Train destination sign		x	x	x
Marker light 2 x red		x	x	x
Horn		x	x	x
Rear headlights off			x	x
Conductor’s whistle			x	x
Station announcement			x	x
Doors closing			x	x
Surrounding sounds / station			x	x
Surrounding sounds 1			x	x
2nd conductor’s whistle			x	x

“Silberlinge” Commuter Car Set

58343 “Silberlinge” Commuter Car Set.
Prototype: 3 German Federal Railroad (DB) “Silberling / Silver Coin Design” commuter cars. 2 commuter cars (Bnb 719 and Bnb 720), 2nd class, car numbers 508022-12232-1 and 508022-11435-1. 1 commuter car (ABnb 703), 1st/2nd class, car number 508031-53259-1.
Model: The car bodies are finely constructed of plastic with complete detailed interiors and many separately applied details. The cars reproduce the original, typical “peacock’s eye” pattern. The cars have detailed underbodies specific to the car types. The trucks are Minden-Deutz designs with double brake shoes and separately applied generators. Each car has built-in interior lighting and marker lights that can be controlled digitally with the factory-installed digital decoder. The interior lighting will work in conventional operation. Maintenance-free, warm white LEDs are used for the interior lighting. The couplers have close coupler mechanisms. All of the cars have a scale length at 82.5 cm / 32-1/2”. The minimum radius for operation is 1,020 mm / 40-1/8” (1,550 mm / 61” for operation with parallel curves).
Total length over the buffers 248 cm / 97-5/8”.

- **New tooling.**
- **Car bodies finely constructed of plastic with many separately applied details and with a representation of the “peacock’s eye” pattern true to the original.**
- **The cars have a scale length at 82.5 cm / 32-1/2”.**
- **Digital decoders for controlling the interior lighting and marker lights included.**

One-time series.

Digital Functions	Control Unit	Mobile Station	Mobile Station 2	Central Station
Interior lighting	x	x	x	x
Interior lighting, 2nd class	x	x	x	x
Lighting at the entry	x	x	x	x
Marker light(s)	x	x	x	x
Marker light(s)	x	x	x	x
Interior lighting, 2nd class		x	x	x
Lighting at the entry		x	x	x
Marker light(s)		x	x	x
Marker light(s)		x	x	x
Interior lighting			x	x
Interior lighting, 2nd class			x	x
Interior lighting, 1st class			x	x
Lighting at the entry			x	x
Aisle lighting			x	x
Marker light(s)			x	x
Marker light(s)			x	x

The "Silberlinge / Silver Coins" – A DB Success Story.

The German Federal Railroad car designated as "Silberling / Silver Coin" is a car adhering to the UIC-X guidelines. It is 26.4 meters / 86 feet 7-3/8 inches long and has 2 entry areas with double doors. The name derives from the car bodies constructed of polished stainless steel. The car group "n", the official designation for the "Silberling", was purchased in a group of 5,000 units between 1961 and 1980 and in different designs. For a long time it was the most widely used car in commuter service on the DB. Depending on the design, these cars tip the scales at 31-40 metric tons and are authorized for a maximum speed of 120-140 km/h / 75-88 mph. The pure 2nd class car has seating for 96, in the mixed class car there is seating for 30 in 1st class and for 46 in 2nd class. The German Federal Railroad placed different cab control cars into service for push/pull operation, which was often done with the class E 41/141. The "Rabbit Hutch", a cab control car with extremely cramped space for the locomotive engineer was replaced by the later "Karlsruher Kopf" type cab control car. This cab control car also had a baggage area, but more importantly a modern, generously arranged engineer's cab. The name derives from the maintenance facility in Karlsruhe, where the cab control cars were rebuilt.
The "Silberling" was a universal car, from commuter service to express train, even used as reserve cars in Inter-Zone trains to Berlin. The "n" cars had steam, diesel, and electric locomotives for motive power, and, like many other DB cars, were run in different paint schemes. However, although they have been ignored in mint green, "traffic red", or countless forms of Graffiti, they have remained the "Silberlinge" in popular usage. Presently, these cars are in used on the DB AG in the "traffic red" paint scheme, and similar classes based on the construction principles for the "Silberlinge" can be found in Luxembourg, the Netherlands, and Poland, for example.

Class 218 Diesel Locomotive

55716 Diesel Locomotive.
Prototype: German Federal Railroad (DB) class 218 general-purpose diesel hydraulic locomotive.
Model: The locomotive has an mfx decoder and extensive sound functions. This locomotive can be run with AC power, DC power, Märklin Digital, and DCC. It has a centrally mounted high-efficiency motor with power transmitted by means of a central gear box and cardan shafts to transfer gear boxes in both trucks, all axles powered. Traction tires. The headlights and red marker lights will work in conventional operation and can be controlled digitally. The locomotive has engineer's cabs with interior details and a figure of a locomotive engineer in the front cab. The engine room has details in relief. The claw couplers installed at the factory can be replaced by 2 reproduction prototype couplers included with the locomotive.
Minimum radius for operation 1,020 mm / 40-3/16".
Length over the buffers 51.5 cm / 20-1/4".

One-time series.

Digital Functions	Control Unit	Mobile Station	Mobile Station 2	Central Station
Headlight(s)	x	x	x	x
Station Announcements	x	x	x	x
Diesel locomotive op. sounds	x	x	x	x
High Pitch Horn	x	x	x	x
Direct control		x	x	x
Conductor's Whistle		x	x	x
Rear Headlights off		x	x	x
Low Pitch Horn		x	x	x
Front Headlights off			x	x
Sound of squealing brakes off			x	x
Rail Joints			x	x

IV 15 +

58801 Gondola.
Prototype: German Federal Railroad (DB) type Eaos 106 high side gondola.
Model: The frame and car body are made of plastic with many separately applied details. The load insert has a layer of real coal. The upper area of the car is authentically weathered. The minimum radius for operation is 1,020 mm / 40-1/8".
Length over the buffers 43.8 cm / 17-1/4".

IV 15 +

58802 Gondola.
Prototype: German Federal Railroad (DB) type Eaos 106 high side gondola.
Model: The frame and car body are made of plastic with many separately applied details. The load insert has a representation of scrap. The upper area of the car is authentically weathered. The minimum radius for operation is 1,020 mm / 40-1/8".
Length over the buffers 43.8 cm / 17-1/4".

Central Station

15 +

60215 Central Station.
In addition to the widely used protocols Motorola, mfx, and DCC, the Central Station combines a large color touch screen with 2 locomotive controllers for easy, convenient control of locomotives. The representation of locomotives can be done with color images. Furthermore, the Central Station has a built-in Märklin Digital locomotive database as well as 2 built-in locomotive card readers (for saving locomotive data on a locomotive card or for quickly calling up a locomotive by inserting its card in the reader). mfx locomotives are automatically recognized and taken into the locomotive list with all of their characteristics. There is also a powerful booster for providing power to the layout for train and accessory current, 20 Keyboards (DCC: 128) for controlling up to 320 (DCC: 2,048) solenoid accessories, a track diagram control board as well as a route controller (including shuttle train control), all of this built into the Central Station. The Central Station can be used in multiples, i.e. with the optional cable (60123) several Central Stations (60214 and/or 60215) can be operated together on a layout, whereby joint and separated configurations can be maintained in the CS2 for the layout areas to be controlled. The Central Station has a built-in USB host (for a mouse, keyboard, or USB stick) as well as a network connection for communication with a personal computer. Maximum load at the feeder track: 5 amps, maximum load at the programming track: 1.2 amps. A maximum output power of 58 VA and a maximum current of 3 amps is available, when the CS2 is used with the 60061 switched mode power pack (only a 230 volt version of the 60061 is available). A maximum current of 5 amps is available for the 60215 when used with the 60101 switched mode power pack (recommended only for 1 Gauge) (only a 230 volt version of the 60101 is available). Make sure that the wire to the track is larger than 0.5 mm² in cross section or 20 gauge wire or larger!
Dimensions 320 x 190 x 80 mm / 12-5/8" x 7-1/2" x 3-1/8".

- **Märklin Digital multiple protocol controller (Motorola, mfx, mfx+, DCC).**
- **Large color touch screen and 2 locomotive controllers.**
- **2 built-in locomotive card readers.**
- **Network connections and USB port.**
- **Built-in Märklin Digital locomotive database.**
- **Up to 16 controllable locomotive functions.**
- **Built-in Keyboard and Memory.**
- **Built-in track diagram control board.**

Update 3.5.x
- **Different background images can be selected.**
- **Day/night brightness adjustment.**
- **Quick selection of locomotive addresses.**

Update 3.6.x
- **Model time can be represented.**
- **Your own schedules can be generated.**
- **Sound reproduction by means of external speakers.**
- **Sounds can be played individually at the Central Station.**
- **Extensive possibilities for automating a model railroad layout.**

Metal Construction Set

15 +

10891 "Tower Slewing Crane" Metal Construction Set.
Model: This is a Märklin "Tower Slewing Crane" metal construction set with approximately 1,050 parts. It is a one-time special edition of the "emblem" of the metal construction set series in the first half of the 20th century. This metal construction set is being produced in a one-time series as a special edition for the anniversary "100 Years of Märklin Metal Construction Sets". The color for the parts is mostly charcoal gray, similar to the start of the metal construction set series. All of the individual parts are packaged in a wooden case.

- **Special color scheme.**
- **Specially designed anniversary packaging.**

Special edition exclusively for the anniversary "100 Years of Märklin Metal Construction Sets".

MÄRKLIN

METALL-BAUKASTEN

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It's quite easy to become a member in the Märklin Insider Club: Just fill out the membership form (for example: at our web site www.maerklin.com) and send it to us.

Märklin Insider-Club
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73009 Göppingen
Germany
Telephone +49 (0) 7161/608-213
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E-mail insider-club@maerklin.com
Internet www.maerklin.com

The annual membership costs Euro 79.95, CHF 129.90, US $109.00 (status as of 2014), including the annual car, an annual chronicle, a year's subscription to the Märklin Magazine, the catalog, the Club News, etc.

The Club services at a glance:

✘ ***All 6 issues of the Märklin Magazine***
The leading magazine for model railroaders! Existing subscriptions can be carried over. The current subscription price of Euro 33.00 is included in your membership dues.

✘ ***The Insider Club News 6 times a year***
You'll experience everything about "your brand and your club" in 24 pages and six times a year. Background articles, a look over our shoulders in the production area, and at the makers of your railroad provide deep insight into the world of Märklin.

✘ ***Exclusive Club Models***
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Re-live the highlights of the Märklin model railroading year on DVD whenever and as often as you like.

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Club members benefit from lower prices when they book seminars that we arrange.

✘ ***Favorable shipping terms from the Online Shop***
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The services listed here are for 2014.
We reserve the right to make changes.

Märklin Insider Club · Registration Form

märklin INSIDER

☒ Yes, I want to become a member of the Märklin Insider Club

☐ Mr. ☐ Mrs./Ms.

Title

*Last Name, First Name (please print)

* Street, Number

*Additional address information (Apt. No. etc.)

*Postal Code/Zip Code *City/State/Province

*Country

Telephone *Birth Date (DD/MM/YYYY)

@ E-mail address

Desired language for communication

☐ German ☐ English
☐ French ☐ Dutch

I would like to receive my annual car either in

☐ **H0 Gauge** or ☐ **Z Gauge**

(Both are not possible – even for an extra charge)

I am particularly interested in

☐ **1 Gauge** ☐ **H0 Gauge** ☐ **Z Gauge**

☐ **Live Steam** ☐ **Replicas**

I receive my Märklin Magazin as a direct subscription from the Märklin publishing office

☐ **Yes,** my Subscription No. ☐ **no**

Fields marked with * must be completed.

I am paying my one year membership fee of EUR 79.95/CHF 129.90/$ 109.00 U.S. Funds (as of 2014):

☐ by means of the following direct debit authorization
(possible in all countries in the Euro payment region and in Switzerland):

I hereby authorize you, subject to revocation, to debit my checking account to pay for the club membership fee

IBAN

BIC

Bank

Name and address of the account holder (if different from the address given above)

*Last Name, First Name (please print)

*Street, Number

*Postal Code *City/State/Province

CH

☐ By payment order that I receive with the invoice.

All Countries

☐ Bank transfer (after receipt of invoice)

By credit card: ☐ Mastercard ☐ Visa

Name of the cardholder

Credit card no.

until /

If my account cannot cover this amount, the bank is under no obligation to honor it.

Membership Conditions
Register now and become a member. Your personal club year begins with the date of your payment. You will receive all future Club services for 12 months. Retroactive services are no longer possible.

Hand the order form in at your Märklin MHI dealer and then pick up the Club car of the year, catalog and Club models here.

Right of Cancellation
The membership is automatically extended by one year if it is not cancelled in writing by the deadline of 6 weeks before the end of your personal Club year. In the USA the commercial law in effect there applies to right of cancellation.

Subject to change.

Right of Withdrawal:
You can cancel your membership in writing within two weeks without giving a reason. To do this, please contact us at the following address.

Märklin-Insider-Club – Postfach 9 60 – 73009 Göppingen, Germany.

The deadline begins with the mailing of this application. Mailing in the cancellation promptly willl be sufficient to ensure the deadline. I have taken notice of my right of withdrawal.

Data protection notice:

☐ I agree that my data will be stored and may be used by Märklin companies to keep me informed of products, events and other activities. In accordance with Article 28 section 4 of the Federal Data Protection Act I may revoke this agreement at any time.

☐ My data shall be used only for this one Märklin Insider Club transaction and shall not be used for any other contact, marketing or promotional purposes.

You can withdraw your consent at anytime by e-mail at insider-club@maerklin.com or by letter to the club address appearing on the other side of this form, and this withdrawal will be effective in the future.

Date Signature Date Signature Date Signature

NH 2014

REPLY
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73009 Göppingen
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Annual Club Car for 2014 in H0 and Z

H0 Z

* These offers are not binding; the right to make alterations is reserved.
** Subject to availability

The Club team is available by telephone to members
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Telephone	+ 49 / (0) 71 61 / 608-213
Fax	+ 49 / (0) 71 61 / 608-308
E-mail	insider-club@maerklin.com
Internet	www.maerklin.com

märklin H0

NEM III 15 +

48164 H0 Insider Annual Car for 2014.
Prototype: Two-axle, old-timer Bavarian design tank car, with a brakeman's cab. Privately owned car painted and lettered for the firm Bolte & Co. KG, Hannover, Germany, used on the German Federal Railroad (DB). The car looks as it did about the end of the Fifties.

Model: The car is a version with a brakeman's cab. The car has numerous separately applied details.
Length over the buffers 10.4 cm / 4-1/8".
DC wheel set 2 x 32376004.

One-time series in 2014 only for Märklin Insider members.

5 Year Warranty**

märklin Z

III 15 +

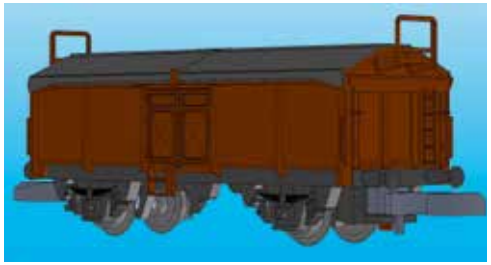
80324 Z Gauge Insider Annual Car for 2014.
Prototype: German Federal Railroad (DB) type Kmmks 51 two-axle sliding roof car.

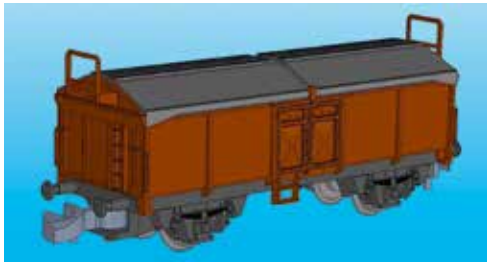
Model: The car is completely new tooling. The car body is made of imprinted, finely detailed plastic and is prototypically lettered.
Length over the buffers approximately 46 mm / 1-13/16".

- **New tooling.**
- **New type of car as a sliding roof car.**

One-time series in 2014 only for Märklin Insider members.

5 Year Warranty**





** 5 year warranty on all MHI / Exclusiv items and club items (Märklin Insider and Trix Club) starting in 2012.

Museum Cars

48114 H0 Museum Car Set for 2014.
Prototype: Two-axle beer refrigerator car with a brakeman's cab, Württemberg design. Privately owned car painted and lettered for brewery Brauerei zum Rad, Göppingen, Germany. Used on the German Federal Railroad (DB). Krupp Mustang truck as a beer delivery truck, with graduated flatbed, painted and lettered for the brewery Brauerei zum Rad, Göppingen, Germany. The railroad car and the delivery truck look as they did around 1959.
Model: The beer car is painted and lettered for "Staufen Bräu" from the brewery Brauerei Rad, Göppingen, Germany.
Length over the buffers 11 cm / 4-5/16".
The model of a truck is a combination of metal and plastic. Painted and lettered as a beer delivery truck for the brewery Brauerei Rad. A total of 60 beer crates can be loaded on the graduated flatbed. 60 beer crates and 60 loads of bottles included in a plastic bag for loading on the graduated flatbed. Truck length 10 cm / 3-15-16". DC wheel set for the beer car 2 x 700270.

- **60 beer crates and 60 loads of bottles included to be loaded on the truck.**

One-time series.
Available only at the Märklin Museum in Göppingen.

80025 Z Museum Car Set for 2014.
Prototype: Privately owned refrigerator car used on the German Federal Railroad (DB), with advertising lettering "Staufen Bräu" for the brewery Brauerei zum Rad, Göppingen, Germany. Büssing delivery truck with a flatbed, tarp, and advertising sign.
Model: The car and the truck have extensive paint and lettering.
Length over the buffers 40 mm / 1-9/16".
Truck constructed of metal in a realistic paint scheme.

One-time series.
Available only at the Märklin Museum in Göppingen.

Packaged in an extensively decorated metal tin.

58958 1 Gauge Museum Car for 2014.
Prototype: Two-axle beer refrigerator car with a brakeman's cab, Association design. Privately owned car painted and lettered for brewery Brauerei zum Rad, Göppingen, Germany. Used on the German Federal Railroad (DB). The car looks as it did around 1959.
Model: The beer car is painted and lettered for "Staufen Bräu" from the brewery Brauerei Rad, Göppingen, Germany. The doors can be opened. The minimum radius for operation is 600 mm / 23-5/8".
Length over the buffers 30.0 cm / 11-13/16".

One-time series.
Available only at the Märklin Museum in Göppingen.

Repair Service / Warranty

Märklin Direct Service.
The authorized Märklin dealer is your contact for repairs and conversions from analog to digital. We can do conversions in our repair department in Göppingen for dealers without their own service department as well as for consumers. After the model has been examined, you will receive a cost quotation including details of the work to be done and the cost for reliable shipping. If you would personally like to drop off and pick up models in Göppingen, please see our Service Point in the Märklin Museum.

Hours of operation at the Service Point
in the Märklin Museum, Reutlinger Straße 2,
Göppingen, Germany:
Monday through Saturday from 10:00 AM to 6:00 PM

Gebr. Märklin & Cie. GmbH
Reparaturservice
Stuttgarter Straße 55-57
D-73033 Göppingen
Telephone: +49 (0) 7161/608-222
Fax: +49 (0) 7161/608-225
E-mail: service@maerklin.de

Manufacturer's Warranty.
The firm of Gebr. Märklin & Cie. gives a manufacturer's warranty for different products via the legal guarantee rights available to you vis-à-vis your authorized Märklin dealer as your contractual partner. The extent and terms of this warranty can be found in the instructions or the warranty documentation accompanying the product or they can be found on our regional Internet pages.

General Notes

General Notes.
Märklin products adhere to the European Safety Guidelines (EC Standards) for toys. If you are going to enjoy these products with the highest possible level of safety, it is assumed that you will use the individual products in accordance with these guidelines. Instructions for the correct hookup and handling are therefore given in the instruction manuals accompanying the products. These instructions must be followed. We recommend that parents discuss the operating instructions with their children before the products are used for the first time. This will guarantee many years of safe enjoyment with your model railroad.
Some important items of general importance are summarized below.

Connections for Track Layouts.

Use only Märklin switched mode power packs for operating our model trains (applies only to Europe; normal transformers are still sold in North America). Use only switched mode power packs from the current product program, since these switched mode power packs conform to the current safety standards and approval guidelines. Pay close attention to the guidelines in the instructions for use.
Switched mode power packs are not toys. They are used to supply power to a model railroad layout.

In addition to these general notes, you should pay close attention to the instructions for use, which accompany Märklin products in order to maintain operating safety.

Age Information and Warnings.

WARNING! Not suitable for children under 3 years. Sharp edges and points required for operation. Danger of choking due to detachable small parts that may be swallowed.

For adults only.

Important Service Information

Deutschland

Service Center
Ersatzteilberatung, Fragen zu Technik, Produkten und Reparaturaufträgen
(Montag bis Freitag 10.00 – 18.30 Uhr)
Telefon 0 90 01/ 608 -222
(nur aus dem Inland*)
+49 (0) 7161/608-222
(nur aus dem Ausland)
Fax +49 (0) 7161/608-225
E-Mail service@maerklin.de

USA

Technical Hotline
Contact Person: Dr. Tom Catherall
Telephone 801-367-1042
E-mail tom@marklin.com

Warranty
Wm. K Walthers, Inc.
5601 W. Florist Ave.
Milwaukee, WI 53218, USA
Toll Free Phone (866) 833-1468
Phone (414) 527-0770
Fax (414) 527-4423
(ATTENTION MARKLIN WARRANTY)
E-mail custserv@walthers.com
Hours of operation
Mondays through Fridays 8:00 AM – 5:00 PM CST

Niederlande

Technische hotline
Maandag t/m donderdag: 09.00 – 13.00 uur
en 13.30 – 17.00 uur
Aanspreekpartner: G. Keuterman
Telefoon +31 (0) 74 - 2664044
E-mail techniek@marklin.nl

België / Belgique

Technische hotline
Maandag van 20.00 – 22.00 uur
Zondag van 10.00 – 12.00 uur
Aanspreekpartner: Hans Van Den Berge
Telefoon +32 (0) 9 245 47 56
E-mail customerservice@marklin.be

Hotline technique
le lundi de 20h00 à 22h00
le dimanche de 10h00 à 12h00
Contact : Hans Van Den Berge
Téléphone +32 (0) 9 245 47 56
E-mail customerservice@marklin.be

Schweiz / Frankreich / Italien

Technische Hotline
Dienstag, Donnerstag und Samstag von 14.00 – 18.00 Uhr
Ansprechpartner: Alexander Stelzer
Telefon +41 (0) 56/667 3663
Fax +41 (0) 56/667 4664
E-Mail service@marklin.ch

Hotline technique
les mardi et jeudi de 14h00 à 18h00
Contact : Alexander Stelzer
Téléphone +41 (0) 56/667 3663
Fax +41 (0) 56/667 4664
E-mail service@marklin.ch

Linea diretta tecnica
Martedì e giovedì dalle
ore 14.00 alle 18.00
Interlocutore: Alexander Stelzer
Telefono +41 (0) 56/667 3663
Fax +41 (0) 56/667 4664
E-Mail service@marklin.ch

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Explanation of Symbols

märklin


Metal locomotive frame.


Metal frame and mostly metal locomotive body.


Locomotive body chiefly made of metal.


Metal frame and locomotive body.


Metal car frame.


Metal car frame and body.


Car body chiefly made of metal.


Märklin close couplers with pivot point.

Märklin close couplers in standard pocket with pivot point.

Märklin close couplers in standard pocket with guide mechanism.


Märklin magnet couplers.


Lokomotive/car has sprung buffers.


Automatic claw couplers can be replaced with reproduction prototype couplers.


Plug-in base for easy installation and removal.


Built-in interior details.


Power supply can be switched to operate from catenary.


Universal locomotive with a Delta electronic circuit. Operation can be done with a Märklin transformer, with the Märklin Delta System, with the Märklin Digital System (Motorola format), and with Märklin Systems.


Digital locomotives or digital device for the Märklin Digital System (Motorola format).

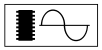

Digital locomotive with high-efficiency propulsion. Adjustable maximum speed and acceleration/braking delay. Special motor with electronically supported load compensation or compact can motor with a bell-shaped armature. Operation can be done with a Märklin transformer, with the Märklin Delta System, with the Märklin Digital System (Motorola format), and with Märklin Systems. 1 controllable auxiliary function (function) in digital operation.

Digital decoder with additional, digitally controlled functions (f1, f2, f3 or f4) when operated with the **6021 Control Unit**. The functions present depend on how the locomotive is equipped. Standard function (function) active during conventional operation.

Digital decoder with up to 16 digitally controllable functions when operated with the **60212/60213/ 60214/60215 Central Station**. With up to 9 functions with the **60652/60653 Mobile Station.** With up to 5 functions with the **6021 Control Unit.** Available functions depend on how the locomotive is equipped.

Digital decoder mfx+ (Märklin World of Operation).

DCC decoder.


Locomotive with controlled, adjustable C Sine propulsion. Operation can be done with a Märklin transformer, with the Märklin Delta System, with the Märklin Digital System (Motorola format), and with Märklin Systems.

Locomotive with controlled, adjustable Softdrive Sine propulsion. Operation can be done with a Märklin transformer, with the Märklin Delta System, with the Märklin Digital System (Motorola format), and with Märklin Systems.


Locomotive with 5-pole motor.


Built-in sound effects circuit.


Single headlight at the front.


Single headlights that change over with the direction of travel.


Dual headlights at the front.


Dual headlights front and rear.


Dual headlights that change over with the direction of travel.


Triple headlights at the front.


Triple headlights front and rear.


Triple headlights that change over with the direction of the travel.


Triple white headlights in front, dual lights at the rear, each change with the direction of travel.


Four-light headlights that change over with the direction of travel.


One red marker light.


Dual red marker lights.


Dual headlights and dual red marker lights that change over with the direction of travel.

Triple headlights and two red marker lights that change over with the direction of travel.

Triple headlights and a red marker light that change over with the direction of travel.

Triple headlights and a white marker light that change over with the direction of travel.

Built-in interior lighting.

Interior lighting can be installed (example: with 7330).

Built-in LED interior lighting.

LED interior lighting can be installed.

Märklin exclusive special model – produced in a one-time series. The Märklin-Händler-Initiative / Märklin Dealer Initiative is an international association of medium size toy and model railroad specialty dealers (MHI INTERNATIONAL).

Era I (1835 to 1925)

Era II (1925 to 1945)

Era III (1945 to 1970)

Era IV (1970 to 1990)

Era V (1990-2006)

Era VI (2006 to the present)

märklin

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www.maerklin.com

We reserve the right to make changes and delivery is not guaranteed. Pricing, data, and measurements may vary. We are not liable for mistakes and printing errors. Some of the models shown in the photographs are hand samples. The regular production models may vary in details from the models shown.

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If these edition of the presentation book does not have prices, please ask your authorized dealers for the current price list.

243493 – 01 2014