NOVELTIES 2024

716 00

Heischmann

www.fleischmann.de

Fleischmann

INNOVATION MEETS TECHNOLOGY – A MASTERPIECE IN 1:160

FLEISCHMANN has completely new designed the high-tech Beilhack snow blower as a functional model!

You can find more information about the N-gauge highlight of 2024 on pages 54–57

Yleisc<u>hman</u>n

Dear FLEISCHMANN fans,

Miniaturisation and digitalisation do not stop at the N gauge and that is a good thing! With the Beilhack snow blower of the class 716, an absolute masterpiece is rolling onto the rails. Our designers have broken new ground. The smallest miniature motors are doing perfect work and highly sensitive sensors do the rest to make sure that all functions are in no way inferior to the larger original. No matter whether they are operating in the lowest speed range, rotating the impellers or the entire superstructure by 180 degrees, this model does it all. Of course, the action is also accompanied by appropriate sounds and rounded out with switchable lighting functions. This even delights the locomotive crew in the lovingly printed driver's cab. The Beilhack is an essential part of any collection. FLEISCHMANN proves once again what is possible today in the small track gauge.

For fans of Swiss railways, after the class Re 6/6, the class Re 4/4^{II} is also rolling onto the tracks in a complete and elaborate new design. Fine engravings, delicate bogies and finely finished roofs with pantographs know how to inspire.

And wagon fans will also get their money's worth: The T5 pocket wagon is a versatile vehicle that can be used in a variety of ways and, like the successful T2000, leaves nothing to be desired in terms of detailing.

Many highlights and special models are waiting for you! That's why we don't want to reveal all of our secrets and are giving the green light for the FLEISCHMANN innovations 2024!

Have fun browsing and discovering our innovations! Your FLEISCHMANN Team

Steam locomotives	6–22
Electric locomotives	23–52
Diesel locomotives	53–64
Start sets	65–67
Passenger coaches	68–71
Goods wagons	72–85
Train combinations	86–87
Where do i find what?	88–89
Imprint	90
Explanations	91

Content

FASCINATION OF N-GAUGE

TUNT













Fleischmann



Steam locomotive type GtL 4/4

58

R1

K.Bay.Sts.B.

Q2/2024

716001



The Bavarian GtL 4/4 was first put into service in 1911. Further locomotives were built with few changes to the design until 1927. These locomotives proved highly effective in operation and were some of the strongest Bavarian local railway engines with their output of 450 hp. A total of 117 locomotives were produced. Almost all the railway depots in Bavaria which served branch lines had GtL 4/4s in their fleet.

8



3-piece set: Goods wagons



K.Bay.Sts.B.



VO



■ Suitable for steam locomotive GtL 4/4, item no. 7160012



Steam locomotive class 56.20





10

Q2/2024

6660033

Ш

Glleh

151

Rigid close coupling with movable transitions between the wagons

One wagon with brakeman's cab

Each wagon features 2 moving sliding doors

NEM

Photomontage







Steam locomotive class 70.0

DB





The class 70.0 was a tender locomotive for light passenger trains. It was commissioned by the Royal Bavarian State Railways as the type Pt 2/3. Between 1909 to 1916, a total of 97 locomotives were constructed by Krauss in Munich. In order to optimise traffic on the local railways, a door was installed at the rear through which the stoker could enter the train to take over the conductor's duties. The doors were later partially removed to make room for a larger coal box.

3-piece set: Passenger train





Wagon set with three passenger coaches of the German Federal Railway.

R1



Steam locomotive 86 201

DB



R1

R1

LED

LED

Next18

- Finely-detailed wheels and trailing wheels with perforated spokes
- Metal die-cast chassis

Q2/2024 7160008 7170008 (1) Ш 87

After the end of the Second World War, 386 class 86 engines were located in West German territory. Most of these proved repairable, meaning that the DB had 378 locomotives of this class in 1952. Their range of tasks included, in addition to use as classic branch line trains, the regular hauling of express trains and shunting in freight train stations.

Steam locomotive 23 102





The Henschel company in Kassel had already received the order to prepare the construction drawings in September 1949, and delivered the first series of 15 machines in 1950. In addition to heavy passenger and light express service, it was also used for freight transport. It was approved for 110 km/h and had a power output of 1,314 kW. Of the 105 locomotives produced until 1959, the 23 102 was one of the last steam locomotives to be put into service by the German Federal Railway.







Conversion coach 1st/2nd class DB Q3/2024 AB4yge Photomontage 6260026 All coaches on this page are an ideal addition to the steam locomotives class 23, item no. 7160003, 7170003 and class 86, item no. 7160008, 7170008 NEM 946901 Ш 122 Conversion coach 2nd class DB Q3/2024 6260027 Photomontage B4yg 6260028 Item no. 6260028: Changed running number NEM 946901 Ш 122 Conversion coach 2nd class with baggage compartment DB 1 Q3/2024 6260029 Photomontage BD4yg Ш 122 NEM 946901







Steam locomotive 001 150-2

DB

- Version with open front apron and Witte wind deflectors
- Tender type 2'2' T 34
- Unobstructed view between boiler and chassis
- With switchable driver's cab and engine lighting in digital mode (714570)



Photomontage



NEM

Next18

LED

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R1

Locomotive 01 150 was delivered in 1935 with factory number 22698 by the Henschel & Sohn locomotive works in Kassel. It first proved its worth in the low mountain ranges in Hesse and Thuringia, from Bebra. It remained loyal to its Hessian homeland for thirty years. Darmstadt, Hanau, Frankfurt/M, Wiesbaden and Giessen were its stations and the main lines on the Rhine and Lahn rivers, over the Spessart hills and the Wetterau region, were its territory. It was retired in Hof in November 1973.



Steam locomotive 62 1007-4

DR



- The only class 62 locomotive to feature an EDP number
- Operating condition: 1970
- Model with a tightly soldered decoder built-in from factory (7170005)

Q1/2024 loc 7160005 Dc 3/1 del 7170005 Dcc 3/1 Ge Ep IV ▶ ■ 107 ∞.,∞∞ ●

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R1

The class 62 was developed and supplied by the Henschel company for the German State Railway Company (DRG) in the 1920s. These engines were two-cylinder superheated steam locomotives. A total of 15 engines were produced. Although the locomotives had already been built by 1928, the DRG did not procure the 62 003–015 until 1932. The reasons for the delay were low requirements and the excessively high price of the locomotives. After the Second World War, eight of these locomotives were retained by the railway company of the German Democratic Republic (Deutsche Reichsbahn). The 62 007 was the only one provided with an EDP numbering.













Steam locomotive 01 2226-7

DR



- Wagner smoke deflectors
- Unobstructed view between boiler and chassis
- With switchabel driver's cab and engine lighting in digital mode (714571)



Rendering



NEM

Next18

LED

......

R1

The twin-cylinder engines of class 01 are considered the first express train locomotives to be produced in accordance with the standard construction program. The first construction lots were equipped with wheels with an 800 mm diameter and were authorised for 120 km/h. From the 01 102, wheels with a diameter of 1000 mm were used, as were reinforced brakes, which meant the authorised maximum speed could be raised to 130 km/h. After the Second World War, the DR maintained the original design with the large Wagner smoke deflectors and the air and feed pumps in the smoke chamber niches.

Locomotive 01 226 remained with the railway company of the German Democratic Republic (Deutsche Reichsbahn) after the war. After conversion to the EDP numbering plan, it was renumbered 01 2226-7 and remained in service until 1973.



Steam locomotive 152 288





3-piece set: Open goods wagons



22







Electric locomotive class E 19



Fleischmann



Heischmann

Electric locomotive 103 232-5

DB





- Version with long driver's cab and single-arm pantograph
- With switchable headlight or tail light and machine room lighting in digital mode

Photomontage



In the 1960s, the class E 03 class was built as the most powerful electric locomotive up to this time. It was intended for use in passenger transport on the German Federal Railway. From 1970 and 1974, a total of 145 of these locomotives were built and officially designated as class 103.1. Visually, the 103s are still regarded as one of the most beautifully designed electric locomotives.

Ep IV	126	NEM	•••••• NEM 651	oo,•• LED	•**•• R1	Z21 Cab

Skirted dining coach

DB

Q4/2024

6260038



Epoch IV design with ocean blue/beige livery





26





2nd class express train coach with baggage compartment

2nd class express train coach



<u>Fleischmann</u>



Electric locomotive 169 005-6





Q2/2024 7560022 7570022 I\ 54 En

NEM 651

LED

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R1

On 24 January 1905, electric operation began on the 23.7 km long railway line into the Ammer valley. From 1930 onwards, the brawny LAG 5 - later redesignated the 169 005 - reinforced the electric locomotive fleet on the Oberammergau railway. In spite of its short length of 8.7 m, this little powerhouse was able to prove its worth. Over the decades, the railway became highly popular with all railway enthusiasts due to the level of comfort and idyllic surroundings of the Bavarian local railway. The era of the "Neinasechzga" in local transport on the Oberammergau railway came to an end in May 1981. On withdrawal of the old locomotives, a regular service was introduced and the charm of an incomparable era irretrievably disappeared.

4-piece set: Freight train

DB

Q4/2024

6660044

IV







Electric locomotive class 141





Electric locomotive 151 077-5

(m m)

VI

121

NEM

Next18

DB AG	
Q2/2024 7560023 DC 4/1	Photomontage
	eige livery with DB AG logo d model with separately attached plug-in parts
Electric locomotive 182 536-3	Measuring train coach
DB AG	DB AG
Photomontage	Bim 547.5 Photomontage
Q4/2024 Design in DB network livery Switchable high beam and individually switchable headlight 	Q4/2024
7570026 Dcc ↓ 4/1 or tail light in digital mode	6260032

VI

(m m)

R1

165 II NEM

不 946901

Heischmann

ICE-T CLASS 411, DB AG

In 1994, Deutsche Bahn AG ordered multiple units with tilting technology from a consortium made up of Bombardier, Deutscher Waggonbau, DUEWAG, Fiat and Siemens in order to be able to connect curvy routes to the ICE network. The individual cars and components were produced in different plants. Due to the success of the concept, the order was increased once again, and the success of the ICE-T multiple unit has made it an important part of the long-distance fleets. It was important to the then-young DB AG Group that the new ICE-T and ICE 3 multiple units would herald a new era in long-distance transportation. The idea was that passengers would immediately notice that this was a completely new generation of vehicles thanks to the new and innovative design, which is why the Group did not impose many specifications on the designers at the time. That is why it is not surprising that class 411 and 415 multiple units are still modern vehicles that have already undergone several successful redesigns. With a maximum speed of 230 km/h, they still meet the current requirements of the ICE network and enjoy a high level of reliability.



Fleischmann



Fleischmann





2-piece set 2: Intermediate coaches ICE-T














Electric locomotive 101 019-8

DB AG

Q4/2024

7560003 7570003

VI

119

NEM

•••••• NEM 651

LED

- Model available exclusively from FLEISCHMANN
- With switchable shunting light, headlight or tail light in digital mode





Since summer 2023, DB AG electric locomotive 101 019 has had a special design! In cooperation between FLEISCHMANN and Fahrtziel Natur, the locomotive now displays a message of climate-friendly and, above all, car-free tourism on its large sides. In the cooperative project entitled "Fahrtziel Natur" (Destination Nature), the major German environmental organisations BUND, NABU, VCD and the Deutsche Bahn, together with national parks, nature parks and biosphere reserves within Germany, Austria and Switzerland are displaying their commitment. All these regions can be visited by train, which is very environmentally friendly. This was reason enough for FLEISCHMANN to support this unique cooperation. The Saxon Switzerland National Park in Germany and the Hohe Tauern National Park (Carinthia) in Austria were chosen as partners for this special locomotive. The designs show the impressive landscape of the region and make you want to see it for yourself! Exclusively at FLEISCHMANN, the special model of the "Fahrtziel Natur" locomotive will be available. Make sure to get this special model for your collection!



R1



Electric locomotive class 185.2



Fleischmann



Fleischmann ELECTRIC LOCOMOTIVE Re 4/4^{II}, SBB

The history of the Re 4/4^{II} began in 1960 with the order of six prototypes of a multi-purpose, high-powered locomotive featuring a very stocky design with the Bo'Bo' axle arrangement. Uncertainty as to the weight of the locomotives prevented definition of whether they should be designated as Ae or Re. For this reason, they were provided with the neutral designation "BoBo". This name, originally intended to be temporary, actually established itself as a synonym for the locomotives and has remained in use until today.

The prototypes proved their worth, and formed the prelude to what became by far the largest vehicle series ever produced in the Swiss Confederation. The first series, ordered in 1965 and totalling 49 locomotives, was delivered between January 1967 and November 1968. The locomotives featured only one single scissors pantograph. However, this design proved to have adverse effects in everyday operation.

From January 1969, all locomotives of the subsequent series were fitted with two single-arm pantographs and an adapted roof superstructure layout for reasons of space. The required reduction of the shock wave produced at train crossings meant that the front ends had to be slanted off more severely. For this reason, the locomotives were retrofitted with the tried and tested slant angle design of the Ae 6/6. This design also substantially improved the running characteristics. Furthermore, the locomotives had a new length over buffers of 15,410 mm. This also permitted enlargement of the driver's cab. With an output of 4,700 kW, the engines were able to achieve a maximum speed of 140 km/h. All the locomotives are equipped with multiple-unit control.

The locomotives of the class Re 4/4^{II} are considered general-purpose locomotives and were procured to haul heavy passenger and freight trains. Until 1985, a total of 277 locomotives were delivered to the SBB. One of the requirement profile stipulations was that the locomotives had to be able to cope with the small curve radii typical on Swiss railways, even at high speeds. The Re 4/4^{II} is still registered under very different class designations in Switzerland today, and still acts as a loyal workhorse in daily operations.







ELECTRIC LOCOMOTIVE Re 4/4["], SBB



Separately attached windscreen wipers



 Delicate pantograph design with invisible mounting



■ Handle rails on the access points made of metal







Prototypical designs with snow plough



Authentic reproduction of bogies



Train control magnet



SB Old 03/2024 722400 0 A1

Electric locomotive Re 4/4^{II} 11158



- Closed snow ploughs attached to the package
- With switchable headlight or tail light and driver's cab lighting in digital mode

Electric locomotive 421 389-8	
Ep IV-V = 96 = NEM Next18 CH R1 Z21 Cab	
732470 DGC ⊈) 4/1	





Electric locomotive Re 6/6 11673





NEM

Next18

CH

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R1

With an hourly output of 7,850 kW and a top speed of 140 km/h, the Re 6/6, which was first put into operation in 1972, is still considered one of the strongest locomotives in Switzerland today. To achieve high speeds on bends, the axle arrangement Bo'Bo'Bo' became the preferred model in comparison to the standard Co'Co'. The more complex three bogies - an advancement of the Re 4/4¹¹ - also proved highly advantageous with regard to wheel flange and track wear. The Re 6/6 are seen all over the place, whether in single traction, in multiple-unit control with other engines of its kind, and above all in freight transport, mainly as the so-called Re 10/10 together with an Re 4/4 " or Re 4/4 ".

44



Electric locomotive 193 110-4 "Goldpiercer"

+





Photomontage

Q4/2024				
7560027		DC	4/1	
7570027	DCC	4)	4/1	
Ep V			119	

Now the Railpool 193 110 "Goldpiercer" has also been painted for SBB Cargo International in the style of the previous Nightpiercer series. The "Goldpiercer" is already the seventh special locomotive that has been created on a Vectron. Like their predecessors (MRCE Vectron – also called the "Shadowpiercer"), the DACHINL locomotives will be given Swiss lake names. The choice of the 193 110 name "Zugersee" with the special design is not a coincidence, as it is Railpool's 300th new locomotive, which is why it also has discreet golden stripes.





Fleischmann TRAVELLING WITH CISALPINO

Cisalpino AG, founded in 1993, was a railway company based in Muri near Berne. It was a joint venture between SBB and Trenitalia. Cisalpino, abbreviated to CIS, represented both the company name and the trains operated by it.

The company used standard trains hauled by locomotives for several railway connections running between Switzerland and Italy. These were mainly formed using EuroCity large-capacity coaches of the SBB as well as other coach types of the FS. Some of these received a Cisalpino livery. In August 2005, Cisalpino rented some class 484 locomotives. They were used for cross-border EuroCity traffic between Berne, Geneva and Milan. This meant that a locomotive change was no longer necessary at the border, which shortened the transition and therefore the total travel duration.

These locomotives featured a striking design in silver, red and light blue. In this way, the class 484 was used to haul passenger trains for the first time. Due to delivery delays on new multiple units, Cisalpino continued operation of the six locomotives until the end of 2007.









Electric locomotive Re 484 018-7



			4
Q4/2024			
7560017 DC 4/1			
7570017 DCC (1) 4/1		■ With	four pa
Ep V-VI 🕨 118	NEM Next18		switch

- Photomontage
- With four pantographs for travelling between Italy and Switzerland
- With switchable headlight or tail light in digital mode

3-piece set: Cisalpino



Heischmann

Electric locomotive 1216 903-5





Electric locomotive 371 002-7

CD



- Finely-detailed model with separately attached plug-in parts
- Elaborate roof design with authentic pantographs
- With individually switchable headlight or tail light in digital mode

Q4/2024			
7560031	DC	4/1	
7570031	DCC 🕄	4/1	
Ep V-V		105	

In the 1980s, the CSD and the DR decided to procure dual-system locomotives in order to simplify the constantly increasing flow of traffic and operational processes in cross-border transport along the Berlin-Dresden-Prague line. The development of the Decin–Prague connection at a maximum speed of 160 km/h made it necessary to upgrade several locomotives. From 1994, six Czech class 372 locomotives were adapted for the faster international passenger trains and have since then run under the class designation 371 – "Turbobastard". The CD relocated these converted engines to the Prague depot.

5	V-VI	(= =)	105	NEM	••••••	Next18	°°°,••	LED		R1	



Fleisch<u>man</u>n



Q1/2024		
732138	DC	4/1
732208	DCC 🗘	4/1
Ep V-V	1 (= =)	109

SNCF

The BB 22200 is a French electric locomotive class for use both on the SNCF's 1.5 kV electrified DC network and on the 25 kV 50 Hz electrified AC network. The design of these locomotives, with their so-called "nez cassé" (broken nose), was created by the Frenchman Paul Arzens, who was responsible for designing several SNCF locomotives around that time. In the years 1976 to 1986, a total of 205 locomotives in six different construction series were produced by Alstom. From the year 1999 onwards, the locomotives were distributed between the different business units. The locomotives which were issued to the freight transport sector were given the grey/green/white FRET livery.

V-VI	(= =)	109	NEM	*******	Next18	00 , • •	LED	 R1

Electric locomotive BB 126163





Electric locomotive 1753

NS



 Q3/2024

 732104
 DC
 4/1

 732174
 DCC
 ⊈)
 4/1

 Ep
 V
 Image: 109
 109

As a modernised version of the 1600 series, 81 engines of the 1700 series were procured from 1991 to 1994. They are characterised by the increased used of electronic components as well as the updated train control system and a different braking system. The 1753 locomotive was delivered by Alsthom in 1993. Until 2000, it was mostly used with double-decker trains. After that, the machine hauled domestic intercity trains and international trains such as the IC Amsterdam – Berlin (to Bad Bentheim). The IC Den Haag – Venlo with ICk passenger coaches were also part of its service. The 1753, like most 1700s, had no city coat of arms.

V	(m m)	109	NEM	********	Next18	°°,••	LED	ATTA.	R1

Electric locomotive EU46-523







Fleischmann BEILHACK SNOW BLOWER, DB AG

Since the beginning of the railway era, it has been necessary to clear snow from the tracks. The spectrum of railway service vehicles ranges from simple snow clearing plates to large snow ploughs and heavy-duty snow blowers. For the German Federal Railway, it became necessary to replace the old steam-powered snow blowers starting in the 1960s. Various compact heavy-duty wagons with Beilhack diesel snow blower units were tested the Alps, in the Allgäu region and abroad. A disadvantage of these vehicles was that an additional locomotive was used to drive them. A self-driving heavy-duty snow blower was developed to make snow removal even more efficient. It is approved for a speed of up to 120 km/h for transfers. Three identical twelve-cylinder diesel motors from Daimler are used in the machine. Each one has a power output of 405 kW. This means snow drifts of up to 3 metres can be cleared. A rim that can be rotated by 180° makes it possible to turn on the spot. This means it can master even the most difficult weather conditions.



Heischmann





BEILHACK SNOW BLOWER, DB AG



 Detailed reproduction of front and driver's cab



Finely-detailed railings and ladders



Separately attached exhaust system



Rendering



Large fully-functional blade wheels



Detailed reproduction of chassis



Elaborate printing of ladders



DB AG



NEW design



Self-driving model

Rotating blower wheels

Body rotatable by 180°

Elaborately designed model with numerous digitally switchable functions



Rendering







Diesel locomotive class V 100.20



DB



 Design in "antique red" livery
 With individually switchable headlight or tail light and switchable driver's cab lighting in digital mode

Photomontage



The class 212 is considered to be the direct sub-class of the V 100, as it was built according to the latter's development requirements. Only a more powerful engine with 993 kW was used in the locomotive. Used from 1962 to 1965 as class V 100.20, it was also intended for main and steep line service, in contrast to the V 100.10 used in branch line service. Because an enlarged cooling system proved expedient on the V 100.10 locomotives due to the increased engine power, the front end and the frame cover plate were extended from the V 100 2022 model onwards from 12,100 mm to 12,300 mm. The larger cooling system can be identified by its vertical slats in comparison to the horizontal slats on the other series locomotives. The locomotives were considered very sturdy and reliable and their running performance was strong and trouble-free. The machines were widespread in almost all of Germany.

Accumulator railcar 515 529-6 with control cab coach

NEM

Next18

LED

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R1









DB

For the series conversion of some of the popular V-160 family models, the DB ordered powerful turbines of the type AVCO Lycoming T53-L13 from the former Klöckner-Humboldt-Deutz works. These units were installed in the locomotives, now redesignated class 210, from the year 1970. The locomotives with the running numbers 210 001–008 were rapidly deployed to their intended main routes.

The express train "TEE Bavaria" and further heavy-duty fast trains were operated daily between the Bavarian state capital of Munich and Lindau.

	Ep IV	I 102	III NEM	Next18	°°,,●● LED	
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NEM

Next18

LED





put into service from 1962 to 1965 as class V 100.20, intended for main line and steep line services, in contrast to the V 100.10 used for branch line services. The locomotives were considered very robust and reliable, achieving high, trouble-free mileages. They were widespread in almost all of Germany.

R1







7370005

V

c1

121

NEM

Next18

LED

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R1

Photomontage



Diesel locomotive 2016 902-5

RADVE



Photomontage



RailAdventure GmbH, with its headquarters in Munich, is the market leader for test and transfer runs of rail vehicles across the whole of Europe. The company possesses locomotives, coupling adapter wagons and braking wagons. In addition to various electric locomotives, RailAdventure also runs a Siemens EuroRunner diesel-electric locomotive for non-electrified lines with low axle loads. At the end of 2022, the locomotive was purchased by the Styrian Railway and then given the RailAdventure design.

									_
Ep VI	121	NEM	*******	Next18	°°•,••	LED	ANTRA.	R1	

Diesel locomotive class 2048

76

NEM

Next18

LED

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R1



62





Photomontage



After the German Federal Railway had class 211 locomotives taken out of service, also the Sersa AG bought a few of them. The Swiss railway technology group specializes in the superstructure of railways and focuses on classic core activities such as track construction, track maintenance, contact line construction, electrical systems, railway measurement systems and rail technology project management.

	Ep	V	(= =)	76	11		NEM		Next18	°°,••	LED	A****	R1
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2-piece set: Track maintenance train





Diesel-electric double locomotive L5

NS



- Frame trims with 8 sandboxes each
- Large loudspeaker with resonance body for powerful sound (725174)
- With individually switchable headlight or tail light, driver's cab lighting and machine room lighting in digital mode

Photomontage

As one of a total of four double locomotives of type D 311, this locomotive was put into service in 1942 by the German Wehrmacht as the D 311.04. It was intended for use with the "Schwerer Gustav 2" gun. However, manufacture of the gun was never completed, and the locomotive was therefore put into service in and around Calais. In September 1944, the locomotive ran aground on Dutch territory and was appropriated as spoils of war by the Dutch State Railways. Attempts to put the locomotive back into operation failed due to missing parts. Following mediation by a Haarlem-based scrap merchant, the locomotive returned to Germany, where it was returned to service in 1950/51 as the V 188 002, and remained in operation in the Franconian region until 1972.



					_						
Ер		(m m)	141	NEM		 Next18	°° , °°	LED	TTP.	R1	

R1

Diesel locomotive 363 723-3





From the middle of the 1950s, the German Federal Railway procured a total of 942 series V 60/V 60.1 locomotives for light and heavy-duty shunting services. The difference between the V 60 (260) and V 60.1 (261) series is the higher friction load of the class 261. During the course of remotorisation with Caterpillar engines from the middle of the 1990s, some engines were renamed class 363. After retirement, many of them were sold to private and factory railways both at home and abroad.





Heischmann

Analogue Starter Set: Steam locomotive class 80 with passenger train

CONTENTS:

- 1 Steam locomotive class 80
- 2 passenger coaches
- 1 electronic handheld controller
- 1 plug-in power supply
- Labels of different railway administrations enclosed

Ballast bed tracks for a track oval with radius R1 5 x 9101, 8 x 9120, 1 connection track. Size of track layout: 75 cm x 40 cm.





z21 start digital set: Diesel locomotive class 204 with goods train



66



z21 start digital set: Steam locomotive class 051 with crane train



CONTENTS:

- 1 Steam locomotive class 051 equipped at the factory with a fixed-soldered decoder
- 1 construction train wagon
- 1 four-piece crane train
- 1 z21 start
- 1 Z21 multiMAUS
- 1 plug-in power supply

The crane in detail:

(can be operated manually)

- Swing-out outriggers
- Rotatable crane house
- Height-adjustable crane boom
- The main flange is operated using a cable pull for lifting and lowering





Photomontage



Heischmann





Skirted mail wagon

DB

Q1/2024

6260005

111

Ер

(**= =**)

142

As a supplement to the express train wagon set, item no. 6260004



Post 4üe

NEM

不 946901

Following the construction of test wagons in the years 1936-38, the DRG put streamlined express train wagons into service. The windows and doors were installed completely flush in the exterior walls of the wagon; the side walls ran down over the actual end of the wagon and between the bogies. The "skirted wagon" thus achieved substantial reductions in wind resistance. The German Imperial Post and MITROPA also ordered wagons in this new form.





2-piece set 1: Double-decker coaches

DR		DBmue
	DBmq	Photomontage
Q4/2024 6260041	floor of this coach was completely equipped with seats. It was first used in the southern urban centres and routes with high traffic volumes	
Ep IV F 1 334	HH NEM NEM 651 00,00 LED Control cab coach with w	white/red light change
2-piece set 2: Double-		
Q4/2024 6260042	DBmue	Photomontage
Ep IV 🕨 🖬 334	Suitable for double-decker coach set, item no. 6260041	


<u>Fleischmann</u>



Container carrier wagon double unit







2-piece set: Tank wagons











Pocket wagon T3

DB	AG	

Q2/2024 6660008

VI



- Metal die-cast chassis
- Loaded with a truck trailer from the LKW Walter forwarding company

High capacity sliding wall wagon

115

NEM



High capacity sliding wall wagon



RAILADVENTURE





Covered goods wagon



Loaded with coal

NEM

196

Ep

VI

Elaborately reproduced wagon undercarriage



2-piece set: Telescopic hood wagons





3-piece set: Gravel wagons





Photomontage



- Model with "WIR BAUEN FÜR SIE" (WE BUILD FOR YOU) inscriptions
- Fine treads, ladders and platform railings
- Ideal for building block trains



78





Fleischmann POCKET WAGON T5

As early as the beginning of the 1970s, the first pocket wagons were built and procured by several European railway administrations. Over time, these were adapted and further developed to meet the constantly increasing requirements. Versatility and flexibility are the key features of the T5 pocket wagon. It is used to transport mega-trailers and conventional semi-trailers with an internal height of between 2.55 and 3.0 metres. The length over buffer is 20,000 mm. For flexible use in combined transport, the pocket wagons feature folding latches with ISO pins on the longitudinal girder so that containers and swap bodies up to 45' can also be accommodated. Loading of 30' containers is also possible with this wagon type. The use of the T5 pocket wagon thus increases the flexibility of the train compositions and offers clear advantages in terms of availability for different loading units.

The pocket wagons are equipped with external longitudinal girders so that the so-called pockets, in which the wheels of the semi-trailers are deposited, have the smallest possible distance to the upper edge of the rail. This is necessary for compliance with the railway clearance gauge regulations. On the wagons there is a height-adjustable support frame in which the king pin of the semi-trailer is fixed. This has made the T5 an indispensable component for combined transport.









POCKET WAGON T5



■ Free-standing access points



Finely-detailed support frame



Free-standing shunter handles





Folding bar with realistic design

Rope anchor hooks in contrasting colours



Pocket wagon T5

WASCOSA		VALTER IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	d e s i g n
Sdgnss/T5 Q4/2024 6660039 Ep V-VI 125 MH NEM Pocket wagon T5	 Metal die-cast chassis Loaded with a truck trailer from the LKW Walter 	er forwarding company Pocket wagon T5	Photomontage
+	NEW design		NEW d e s i g n
HUPAC	Photomontage	WASCOSA	FERCAM Joint Contract of Contr
6660038	chöni forwarding company	0.172021	ck trailer from the Fercam forwarding company



NEM

Ер

VI

132



84

VI

172

NEM



Photomontage

2-piece set: Silo wagons	High capacity sliding wall wagon
HOLCIM	SBB Cargo
Uacns Photomontage Q4/2024 For the first time with new "Holcim" logo Ep VI I = 170 I = NEM I = 170 I = 170	Habbillos Photomontage Q4/2024 With separately attached handle rails Ep VI I 145 I MM NEM
2-piece set: Heavy-duty flat wagons	3-piece set: Pressurised gas tank wagons
NS	
S Photomontage Q1/2024 845608 Ep III	Zags Zags Q2/2024 Photomontage 849119 Photomontage
2 piece set: Stake wagons	
RUKTON RAIL	
Strukten	

Each of the 2 wagons carries a load (Kbs: 20',container; Res: rail profiles)

23

the state Kbs

NEM

210

Q2/2024

880908

VI

(m m)

Ер

85

Res



TRAIN COMBINATIONS

Bavarian branch line



7160012

Local transport of the German Federal Railway



Noble racer of the railway company of the German Democratic Republic



Double-decker of the railway company of the German Democratic Republic





"Hoover" Alpine train



Swiss freight transport





WHERE DO I FIND WHAT?

NOVELTIES

ltem no.	Page
714500	17
714501	21
714570	17
714571	21
715504	22
715584	22
721211	59
721212	63
721281	59
721282	63
725104	64
725174	64
732104	52
732138	51
732174	52
732208	51
732400	43
732402	43
732470	43
732472	43
734124	44
734126	44
734194	44
734196	44
740102	58
740172	58

ltem no.	Page
825739	79
825820	73
830254	79
831313	84
838321	79
838819	79
845608	85
849119	85
880908	85
5160003	66
5170004	67
5170005	66
5560001	24
5570001	24
6260005	69
6260019	48
6260020	19
6260021	19
6260022	19
6260023	12
6260026	15
6260027	15
6260028	15
6260029	15
6260030	49
6260031	49

Item no.	Page
6260032	31
6260033	27
6260034	27
6260035	27
6260036	27
6260037	27
6260038	26
6260041	71
6260042	71
6660002	79
6660008	75
6660010	79
6660018	76
6660020	76
6660022	73
6660030	84
6660031	73
6660032	10
6660033	10
6660034	22
6660035	77
6660036	84
6660037	84
6660038	83
6660039	83
6660040	83

ltem no.	Page
6660042	63
6660043	74
6660044	29
6660045	74
6660046	73
6660047	85
6660048	77
6660049	84
6660057	78
6660058	78
6660059	73
6660060	73
6660061	9
6660062	74
6660063	78
6660064	85
6660065	75
6660066	84
6660067	74
6660068	75
7160003	13
7160005	18
7160008	13
7160009	10
7160010	12
7160011	22

ltem no.	Page
7160012	8
7170003	13
7170005	18
7170008	13
7170009	10
7170010	12
7170011	22
7360005	61
7360013	64
7360014	62
7360016	58
7360017	62
7360018	61
7370001	57
7370005	61
7370013	64
7370014	62
7370016	58
7370017	62
7370018	61
7560003	37
7560006	26
7560015	30
7560017	48
7560018	38
7560019	30

Item no.	Page
7560020	51
7560021	38
7560022	29
7560023	31
7560024	49
7560025	39
7560026	31
7560027	45
7560028	52
7560029	39
7560030	24
7560031	50
7570003	37
7570006	26
7570015	30
7570017	48
7570018	38
7570019	30
7570020	51
7570021	38
7570022	29
7570023	31
7570024	49
7570025	39
7570026	31
7570028	52





ltem. no.	Page
7570027	45
7570029	39
7570031	50
7760006	34
7760007	34
7760008	34
7770006	34

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SYMBOLS OF RAILWAY OPERATORS

ÖBB BBÖ	Austrian Federal Railways
K.Bay.Sts.B.	Royal Bavarian State Railways
K.P.E.V.	Royal Prussian Railway
DRG	German State Railway Company (up until 1937)
DRB	German State Railway (1937-1949)
DR	German State Railway (after 1945)
DB	German Federal Railways (1951-1993)
DB AG	German Bahn AG (since 1.1.1994)
SBB	Swiss Federal Railways (SBB-CFF-FFS)
BLS	BLS AG, private rail company (Swiss)
SNCF	National French Railways
SNCB	National Railway Company of Belgium
NS	Dutch Railways
CFL	Luxembourg National Railways
RENFE	Spanish Railways
FS	Italian State Railways
RZD	Russian Railways
DSB	Danish State Railways
ČSD	Czechoslovak State Railways
ČD	Czech Railways
РКР	Polnische Staatsbahnen
AAE	Ahaus Alstätter Eisenbahn private Railway Company
SŽ	Slovenian Railways

EPOCH EXPLANATION

Ep I	Epoch I:	approx. 1870 – 1920
Ep II	Epoch II:	approx. 1920 – 1945
Ep III	Epoch III:	approx. 1945 – 1968
Ep IV	Epoch IV:	approx. 1968 – 1994
Ep V	Epoch V:	1994 – 2006
Ep VI	Epoch VI:	since 2007

COUNTRY EXPLANATION





LEGEND

000000	Item number
Q1-4/2022	Release: 1^{st} - 4^{th} quarter of the same year
Ep III	Epoch
221	Overall length
5/2	Drive on X-axles / X-axles have traction tyres
DC	Direct current DC
DCC 🞝	Direct current DC with sound
DCC	DCC (Digital)
NEM 651	6-pole interface NEM 651
Next18	Next18 interface
II- NEM	Coupler pocket according to NEM standards 355 with close-coupling mechanism
00 00	Triple headlights on the front
00000	White head lights changeover
00,• 00,••	White/red head light changeover
∞,,•• CH	Head light changeover according to the original model (e. g. Swiss)
LED	LED illumination
•	Electric illumination (light bulbs)
••	Tail light (passenger coaches)
本	Interior lighting
· 9452	Interior lighting installation kit
T LED	Interior lighting LED
	Digital version with buffer capacitor
Stra R1	Minimum drivable radius
Z21 Cab	Z21 driver's cab available

NEW ITEM NUMBER SYSTEM



Item groups in detail

1	0	Electronics
4	0	Accessories
5	1	Start Set
5	3	Start Set "Premium"
5	5	Trainset
5	7	Trainset "Premium"
6	1	Passenger coaches "Start"
6	2	Passenger coaches
6	5	Goods wagons "Start"
6	6	Goods wagons
7	1	Steam locomotives
7	3	Diesel locomotives
7	5	Electric locomotives
7	7	Railcars

Gauge / technical design in detail





N-DCC / DCC-Sound



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