FLEISCHMANN Maßstab: PERFEKTION

Novelties & exclusive highlights!

www.fleischmann.de



Dear Fleischmann scale H0 fans,

13 1183

RM ATOM

browsing and flipping through and choosing from our latest Fleischmann H0 Autumn/Winter catalogue is the motto for collectors of historic steam locomotives, wagons and nostalgia models. Discover countless master pieces of technical engineering in the scale 1:81 on 140 pages – unrivalled as usual in its workmanship and extraordinary in its quality and attention to the detail. We hope that you gain interesting insights into our new products and wish you fun when expanding your railway track!

Your Fleischmann team





Manual work is the basis for our precision.

About Authenticity and Attention to details.

That is definitely a first-class train experience: with the Fleischmann H0 model trains, every ambitious fan of exclusive reproductions of yesterday's and modern railway classics which are checked for accuracy is able to give free reign to his/her passion. Due to the highest level of renowned engineering and the unmistakable Fleischmann stylistic elements, every miniature becomes a piece of art of international magnitude.

In combination with finely wrought handiwork, high-tech-components such as true-to-the-original sound effects, built-in DCC decoders or a flawless inscription technology, the mira-cles on tracks can experience an affectionate renaissance. We describe our thorough preci-sion which we have proven for decades as an established hobby which will always have stable value.



Moreover, thorough controls ensure absolute perfection.



FLEISCHMANN

FLEISCHMANN

P6 steam locomotive

The type P6 locomotives of the Prussian State Railway Administration (P.St.E.V.) were designed as universal locomotives. Their task was not only to haul passenger and goods trains; they should also haul express trains through the hilly countryside. The first vehicle was delivered in 1902 by the company "Hohenzollern" in Düsseldorf. The locomotives showed some distinct construction features which were typical for their construction engineer Robert Garbe – e.g. the narrow chimney which was situated far more at the front than it was usual and the special position of the boiler.



Available from spring 2011 on.

413701

•••• NEM

202

2 389,00 Despite the small drive wheel radius of 1.600 mm – the antetype's wheels only had 1.500 mm - the locomotives were permitted for a maximum speed of 90 km/h. The locomotives were coupled with trailing tenders type 2'2' T 21,5 (pr) or rather with a trailing tender type 3T 16. All in all 275 exemplars were built, whereas 110 locomotives had to be given to different countries in Europe as part of the reparations Germany was obliged to pay after World War I. 163 locomotives were classified as type series 37.0-1 of the German Railways (DRG) with running numbers from 37 001 to 163. The locomotives bearing numbers 37 201–206 were P 6 locomotives of the Lübeck-Büchener Railway (LBE) which, concerning construction, differed from the Prussian locomotives. After World War II, the few remaining P 6 were not reactivated neither by the German Railways nor by the Railway of the former GDR. Instead, until 1950, they were discharged and scrapped.

The Model.

413701 - trailing tender locomotive of the P.St.E.V., type P 6 (later construction series 370-1).

Livery true to the original and elaborate printing | Interior details of the driver's cab | Proto-typical view between boiler and chassis | Fully movable Heusinger control | Brake block ex-actly on the same height as the wheels | Free-standing hydraulic lines | Locomotive features a metallic pressure die casting chassis | Tender features a metallic pressure die casting cas-ing | Maintenance-free, 5-pin motor with centrifugal mass | Standard digital interface for the installation of a DCC decoder | Drive in tender onto 4 wheels | Double LED headlight at each end, changing depending on driving direction | Closecoupling between locomotive and ten-der | Automatic PROFI coupling with pre-uncoupling at each end | Standard NEM 362 cou-pling socket | Standard shaft with close coupler motion link at the front and the tender for true close coupling | Prepared for the installation of a smoke generator | Epoch I

Left picture: flawless. multicoloured printing livery in smooth silk mat.

Right picture: Interior cab design with finely detailed outer firebox rear panel.





Museum locomotive Oi 1-29 of the PKP.

The different models.

Trailing tender locomotive Prussian P 6 of the P.St.E.V, epoch I

Item no. 413701 "DC"	RRP 389,00 €
Item no. 413771 "DCC-Sound"	RRP 499,00 €
Item no. 393771 "AC-Sound"	RRP 499,00 €

Trailing tender locomotive 3.15 (former P 6) of the French North Railway, epoch II

Item no. 413702 "DC"	Price will be added later
Item no. 413772 "DCC-Sound"	Price will be added later

Museum locomotive Oi 1-29 (former 37 171 DRG) of the PKP, epochs III to V The only remaining P 6 / BR 370-1 "Locomotive Museum Warsaw"

Item no. 413703 "DC"	Price will be added later
Item no. 413773 "DCC-Sound"	Price will be added later

Recommended retail price. Subject to alterations

BR 13.10-12 steam locomotive of the DRG.

FLEISCHMANN



Unique series! Steam locomotive type 13.10-12 (Prussian S 6) of the DRG.

The Prussian S 6 was further developed from the type S 4. This locomotive was Germany's last two times coupled express train locomotive and at the time the heaviest one of the whole continent. During the time in which it had been constructed, the S 6 was said to be the most powerful passenger train locomotive of the K.P.E.V. The Fleischmann model is set in the early epoch II (a) of the DRG and is in the visually attractive state of the regional railway era.





3-axled heating boiler wagon, type Heiz 3i Pr 04, with smoke generator, of the K.P.E.V.

These special wagons were on duty during the epochs I to III. They were necessary because the longer passenger trains could not be heated sufficiently by the heating energy of the locomotive. Especially the passengers in the rearmost wagons suffered from this condition. Heating boiler wagons were not only used for steam locomotive powered trains, but also on electrified lines. The DB's use of heating boiler wagons was over around 1965 whereas the wagons of the DR remained in active duty until 1975/1976.



FLEISCHMANN

Steam locomotive series 230 G of the SNCF

"Here's to good neighbours!" Models of our European neighbours' prototypes enrich the Fleischmann product range.



BR 230 steam locomotive of the SNCF.

According to the regulations of the Treaty of Versailles, 13 exemplars of the type S 10 had to be handed over to Alsace-Lorraine. Some of these vehicles were taken over by the SNCF. A distinctive feature of the prototype is the Prussian trailing tender type 2'2'T 21,5. The Prus-sian-based vehicles of the 230 G were immensely popular with the French railway traffic. They were stationed in the depots of Metz and Thionville until the 1950s and even hauled express trains on the important connection Metz - Paris.





Steam locomotive group (BR) 999 of the FS.

All in all more than 1,300 T3 were constructed for the Prussian State Railway. But numerous other national and international railways, ranging from industrial railways to state railways, had these vehicles in their possession. These small locomotives were also active in Italy. There they were categorized as Gr 999.







"EA 11" steam locomotive of the "Porto di Savona" private railway. The prototype was in service in the port of Savona.



Steam locomotive "302" of the Società Veneta.

Altogether more than 1,300 T3 were constructed for the Prussian State Railway. But numerous other national and international railways, ranging from industrial railways to state railways, had these vehicles in their possession. These small locomotives were also active in Italy. Ideal wagons: 505201 (set).





Locomotives 22-50



Passenger coaches 52-85



86-105



Accessories 106-129

		Goods wagons	
Contents		Goods wagons Germany, epoch I - IV	
00110110		Goods wagons Austria ÖBB/BBÖ	101
		Goods wagons Switzerland SBB	
		Goods wagons Netherlands NS	
		Goods wagons France SNCF	
		Goods wagons DSB / FS	
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Passenger coaches Italy FS			
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UP-TO-DATE NOVELTIES

Up-to-date-novelties: quarter IV/2010 - January 2011



UP-TO-DATE NOVELTIES

Up-to-date-novelties: quarter IV/2010 - January 2011



EUROTRAIN°

) Info-Telefon: 051 21 / 51 11 11 Montag-Freitag: 9.00 – 17.00 Uhr

by idee+spiel

Dampflokomotive BR 81 der DB.

Neu: Die beliebte Rangierlok ist werksseitig realistisch gealtert und hat vorbildgerecht nur ein Spitzenlicht! Der Artikel ist exklusiv in den idee+spiel-Fachgeschäften erhältlich.

Für den schweren Verschubdienst lieferte Hanomag im Jahr 1928 eine Serie von 10 Lokomotiven der Baureihe 81, die in vielen Teilen mit den kleineren Maschinen der Baureihe 80 übereinstimmten. Während der DB-Zeit wurden die Loks hauptsächlich im Raum Oldenburg eingesetzt. Ein Exemplar ist der Nachwelt museal erhalten geblieben. Die Leistung der 11 m langen Lok betrug 860 PSi.



Elektrolokomotive BR 146 der DB Regio.

Die Lok hat eine beleuchtete Zugzielanzeige. Der Artikel ist exklusiv in den idee+spiel-Fachgeschäften erhältlich.





€ 189,00







3-teiliges Wagenset "DB Regio" der DB AG.

Das Set besteht aus einem Steuerwagen und zwei weiteren Reisezugwagen. Der Artikel ist exklusiv in den idee+spiel-Fachgeschäften erhältlich.





NEW PRODUCT

631181

Digital starter set "Passenger Train of the DRG".

Content: 1 digitally switchable steam locomotive with separate tender type BR 03 with DDC decoder and light change depending on driving directions, 4 express wagons, 1 Fleischmann multiMAUS, 1 transformer, 1 amplifier, 10 straight PROFI tracks (9 X 6101, 1 x 6103), 14 curved PROFI tracks(8 x 6120, 6 x 6122), 1 left curved track 6174, 1 right curved track 6175 (tracks are prepared for swithpoint light), 2 uncoupling tracks 6114, 1 rerailer 6480 and electric connection cables. The contained tracks form an oval with a radius R1 and a long fast track. **Size of train layout:** 145 cm x 81 cm.



Digital starter set with passenger train.

Content: 1 digitally switchable steam locomotive with separate tender type BR 13.10-12 with DDC decoder and light change depending on driving directions, 4 passenger carriages, 1 Fleischmann Multi-Mouse, 1 transformer, 1 amplifier, 10 straight PROFI tracks (9 X 6101, 1 x 6103), 14 curved PROFI tracks (8 x 6120, 6 x 6122), 1 left curved track 6174, 1 right curved track 6175 (tracks are prepared for swithpoint light), 2 uncoupling tracks 6114, 1 rerailer 6480 and electric connection cables. The contained tracks form an oval with a radius R1 and a long fast track. **Size of train layout:** 145 cm x 81 cm.

631081

HO



€ ⊭ 449,00





631082 DR €₽ III € ≌499,00

NEW PRODUCT

Digital starter set with express train.

Content: 1 digitally switchable steam locomotive with separate tender type BR 41 with DDC decoder and light change depending on driving directions, 3 express wagons, 1 Fleischmann Multi-Mouse, 1 transformer, 1 amplifier, 10 straight PROFI tracks (9 X 6101, 1 x 6103), 14 curved PROFI tracks (8 x 6120, 6 x 6122), 1 left curved track 6174, 1 right curved track 6175 (tracks are prepared for swithpoint light), 2 uncoupling tracks 6114, 1 rerailer 6480 and electric connection cables. The contained tracks form an oval with a radius R1 and a long fast track. **Size of train layout:** 145 cm x 81 cm.











Analogue starter set of the year 2011.

Content: 1 analogue diesel locomotive, class V 100.10, and three goods wagon, 1 cruise controller and power supply. Comes with PROFI tracks and connection cable.

NEW PRODUCT











NEW PRODUCT Starter set with goods train.

Content: Complete starter set with one multi-purpose tender locomotive type BR 89,0, two goods wagons, 1 cruise control and 1 power supply. Comes with PROFI tracks (2 x 6101, 10 x 6125) and connection cable.



€ 99,00

631001









6330 Start Set with Goods Train.

Complete starter set with mixed traffic tank engine, two goods trucks, one controller and plug-in transformer,

as well as an oval of ready-ballasted PROFI track (2 x 6101, 10 x 6120 – with connecting wires).







Startset Goods Train of the FS (Italy)

Contents: 1 steam locomotive, class 675, 3 goods trucks, 1 cruise control and 1 power supply. Comes with PROFI tracks (2 x 6101, 10 x 6125) and connection cable.



Start Set with Goods Train and Siding.

Complete starter set with a siding for an interesting operation. Conatining: 1 mixed traffic tank engine, 1 high sided goods truck, 1 stake wagon, 1 controller and 1 plug-in transformer. Ready ballasted PROFI track (7 x 6101, 10 x 6125, of which 1 with connecting wires, 1 buffer stop track 6116), 1 left hand point 6170. **Train length:** approx. 295 mm. The track contents will make up an oval of track with radius R 2 and a siding.



6101 67

6101

FLEISCHMANN

HO







NEW PRODUCT

631004

HO





Steam locomotive Bauart GtL 4/4 of the Königlich Bayerischen Staats-Eisenbahnen.



NEW PRODUCT

Steam locomotive T 9.3 of the Königlich Württembergischen Staats-Eisenbahnen.

393203





NEW PRODUCT

Steam locomotive BR T 16.1 of the K.P.E.V.

399402





The class 98.8, the Bavarian GtL 4/4, was first introduced in 1911 by the Bavarian State Railways. They continued to be made, with minor alterations up to 1927. The locomotives behaved themselves extremely well in operation, and, with a rating of 450 horse power, they were the most powerful Bavarian branch line locomotives. A total of 117 locomotives were made. Almost all railway depots in Bavaria which served branch lines had the GtL 4/4 in their stock

The T 9.3 were locomotives with a separate tender that were used for passenger as well as goods transportation. There were all in all 2060 locomotives of this type built for the K.P.E.V. The Königlich Württembergischen Staats-Eisenbahnen had ordered another 10 units.



NEW PRODUCT

403203

The T 16.1 in attractive country railway livery.

NEW PRODUCT







NEW PRODUCT

409802

HO



480901 Steam locomotive, class S 10.1 of the K.P.E.V.

The Prussian S 10.1 was the classic express locomotive of the K.P.E.V. On a test run st the LVA Grunewald they reached a phenominal top speed of 152 km/h.



390901





NEW PRODUCT

Steam locomotive class BR 13.10-12 (pr.S6) of the DRG.

481001

Ep II 211 ► •••••• NEM € 249,00

The Prussian S 6 is a rebuild of the original S 4. It was the last steam locomotive with double coupling in Germany and at the same time the heaviest locomotive on the continent. The S 6 was regarded as the most powerful passenger train locomotive of the K.P.E.V. in its time of origin. The FLEISCHMANN-Model comes in the earlier Epoche II appearance and is presented in the optically very attractive Länderbahn design.



Steam locomotive, class 76.0 of the DRG.

The Prussian T 10 locos (later: class 76.0) were used on the short line linking the two terminus stations of Frankfurt (Main) and Wiesbaden from 1909 onwards. The locos ran both forwards and backwards at speeds of up to 100 km/h and could develop 880 horse power. The valve gear and drive were very similar to that of the P 8, with a shortened boiler from the class P 6 (class 37.0-1).



Steam locomotive, class 77 (95) of the DRG.

Warm-white LED lighting. Axles with side-play for negotiating all Fleischmann track radii.

The engines from the Prussian class T 20, later the class 95.0, were amongst the giants of German tank engines, of which the first examples first saw service in 1922. The first ten locos were ordered as T20 Magdeburg 9201 - 9210, although delivered as 77 001 to 77 0101 as they were already designated to be classified as class 77. After 1923, they became the class 95 001 to 010.















405501 BR 95 steam locomotive, of the DRG.

Warm-white LED lighting. With axles that can be moved sideways. Suitable for all FLEISCHMANN track radii.

The machines of the Prussian type T 20, the later type 95.0, could be found among the giants of the German tender locomotives. The first exemplars were brought into service in 1922. The 95 005 in the epoch II version is equipped with noticeable grab bars on the side of the pumps.





4117 Steam locomotive, class 17.10 of the DRG.



During the production run of the S 10, an order was passed to Henschel for the manufacture of a compound locomotive. This was to take into consideration a lower coal consumption. The S 10.1 classified loco was not actually based on the original S 10, but was a completely new construction. The four-cylinder compound motion was of the De Glehn type. Iin other words, the set back outer cylinders drove the second coupled axle, whilst the inner cylinders drove the first. The engines themselves were larger and more powerful than the S 10, and much more economical because of this type of motion. Between 1911 and 1914, 135 examples were produced in two batches for Prussian Railways and 17 for Alsace Lorraine. As three locos were given to foreign companies, as reparation, the Reichsbahn took over the remaining 132 as class 17.10-11, with the numbers 17 1001 - 17 1123 and 17 1145 - 17 1153. The 17 1055 (former Eastern 1135) has been preserved more or less in her original condition and belongs to the transport museum of Dresden.





Steam locomotive, class 18.5 of the DRG.

Prototypical reproduction of the four-cylinder compound motion, complete with inner cylinder motion.

The second construction period of the legendary Bavarian S 3/6 first began in the 1920's and ended in 1930/1931 with the last two locos from Henschel. In the 1950's, the DB modernised 30 of the class 18.5, reclassified as class 18.6.



Steam locomotive BR 54,15-17 of the DRG.

The locomotives G 3/4 of the Königlich Bayerischen Staatsbahn were build between 1919 and 1923. In comparison with the older G 3/4 N it was noticeable that it had a hot steam motor bogie, the drinking water pre heater, the larger and higher boiler and the reintroduced Adams axle. At the DRG the locomotive with the axle sequence 1'C was classified as BR 54.15-17 and was the most powerful steam locomotive in Europe however it was more economical then its predecessors. All of the 225 built units were taken over from the DRG and were reclassified with the operating numbers 54 1501-1725. Most of the locomotives were still intact after the II. World War. Despite that they were designed for goods transportation, the machines were also used in front of passenger trains. The last units were operated by the Bw Nuremberg Rfb.

2 dome model.



414404

Ep II

201 **••**

€ 1335,00

HO





414402 Steam locomotive of class bay. G 3/4 H of the DRG.

1920 saw the Bavarian State railways integrated into the DRG. The Bavarian G 3/4 H is now presented in the handsome livery of this "handover period".



(SPA)



414301 Steam locomotive, class 43 of the DRG.



Between 1927 and 1928, a total of 35 heavy goods engines of class 43 were delivered in two batches from the makers Henschel and Schwartzkopf. AThe first examples of the 1,880 horsepower loco with a speed of up to 70 km/h, did not have smoke deflectors.











Stem locomotive BR 43 of the DRG.

The heavy goods train locomotive BR 43 was produced between 1927 and 1928 by the companies Henschel and Schwartzkopff in altogether 35 units and delivered in two building series. The first units of the 1880 horse power strong and 70 km/h fast locomotive with separate tender had in the beginning no smoke deflectors.

Loco with PluX interface.



Steam locomotive, class 03.10 of the DRG.

The class 03.10 was a further development of the class 03 engines. The first 03.10 was built in 1939. It was planned to produce another 140 locos, although with the outbreak of the Second World War, and the production capabilities being switched to "wartime locos" for goods, only 60 engines were actually made.

Our model of this express loco has open inspection panels so that the lights surrounding the valve gear can be turned on (function f3) as well as prototypical sound.



NEW PRODUCT







394373







NEW PRODUCT

HO

Ep

••••• NEM € ⊭219,00

Set of rack and pinion construction train, of the DRB (Ep. IIb).

Welcome springtime! For the season which just starts in spring in the high mountains, the steeply sloping sections have to be essentially renewed due to the hard winter leaving his marks. This attractive set consists of a rack and pinion locomotive type E 69 and 4 construction train wagons. The train's load (not shown) is a visual highlight on its own: the flat wagon with swivel bolster transports 5 rack-rail tracks; one open goods wagon is loaded with ballast, the other one with wooden sleepers. The locomotive – affectionately called "Pauline" by the personnel – is able to run on both the FLEISCHMANN rack-rail tracks and on normal tracks without any problems.



NEW PRODUCT

2 piece supplement set for rack and pinion construction train, of the DRB (Ep. IIb). This 2 piece set is the ideal addition for item no 481103.





Steam locomotive type T 3 of the Zeche Zollern (Dortmund).

The locomotives of the series T 3 of the Prussian State Railway were without carrying axle, three times coupled tender locomotives and were already build according to standards. The first units were delivered by Henschel in 1882. In 1925 the Deutsche Reichbahn took over another 511 units of the T 3 as the series 89.70-75. Many units were also operated by private and company railways.

PRIVAT

401002







Steam locomotive BR 94.5-18 of the RAG.

Locomotives with separate tender of the Prusssian series T 16.1 were part of the stock of the Ruhrkohle AG until late into the 1970s.



NEW PRODUCT

409401

PRIVAT





405503 Steam locomotive, class 95 of the DR.

Warm-white LED lighting. Axles with side-play for negotiating all Fleischmann track radii. The engines from the Prussian class T 20, later the class 95.0, were amongst the giants of German tank engines, of which the first examples first saw service in 1922.



411501 Steam locomotive, class 89.62 of the DR.

Just a few T 3 engines are preserved today and when operational are used on museum trains. One of these, 89 6009 (before conversion 89 7403), exists as a museum loco of the DB AG in the Railway Museum based at the Dresden-Altstadt depot.



DR

DR

Ep III 174 ⊨ I ••••• NEM € 289,00



NEW PRODUCT

411704







BR 03.0-2 steam locomotive, of the DR.

The German Railways of the former GDR possessed 86 type 03.0-2 locomotives. The prototype of the FLEISCHMANN locomotive was coupled with a riveted tender type 2'2'T 32 and had still been equipped with the big Wagner smoke deflectors.



NEW PRODUCT

410302



€ 🗄 335,00



414302 Steam locomotive, class 43 of the DR.

Between 1927 and 1928, a total of 35 heavy goods engines of class 43 were delivered in two batches from the makers Henschel and Schwartzkopf. After 1945, all of the class 43 engines remained on the DR (East Germany). The last locos were based in the area of Cottbus up to 1967. 43 001 has been preserved as a museum loco.



DR



408605











Steam locomotive, class 39 of the DR.

Between 1958 - 1962 the DR took 85 engines of the class 39.0-2 (Prussian P 10) into a reconstruction programme. The basis of this extensive conversion was to fit them with a new, welded firebox chamber. The driver's cab came from another new style of loco, so that in conjunction with the Witte style smoke deflectors, a modern steam locomotive in a standard style was created. The main area of operations for this 110 km/h class was on passenger trains within the undulating routes of Saxony and Thüringia.









NEW PRODUCT BR 94.5-18 steam locomotive, of the DR.

HO

DR

409201



Even during the epoch IV, some exemplars of the type 94.5-18 remained in active service. The prototype of the FLEISCHMANN locomotive was stationed at the depot Nordhausen. The Prussian T 61.1 has an engine power output of 788 kW (1070 PS), weighs 85 tons and reached 60 km/h (forwards and backwards). Approximately 1250 locomotives of this type hauled goods and passenger trains on steeply sloping sections. Traditional depots of the DR (East) were, apart from Nordhausen, Arnstadt, Suhl and Meiningen. In 1977, the 94 1292 was restored as a museum vehicle at the Raw Meiningen.



4055 Steam locomotive, class 95 of the DB.



Ep III

174 ► ► ••••• NEM € 299,00

Warm-white LED lighting. Axles with side-play for negotiating all Fleischmann track radii.

The engines from the Prussian class T 20, later the class 95.0, were amongst the giants of German tank engines, of which the first examples first saw service in 1922. The DB received 14 locos. They were last in use, stationed at the Aschaffenburg depot, on banker duties for the heavy trains travelling up the steep gradients of the Spessart ramps between Laufach and Heigenbrücken.


Steam locomotive, class 70.0 of the DB.

The class 70.0 had an attractive appearance for a light passnger, tank engine. Her slim boiler and the huge distance between the leading bogie wheels and the driving wheels (4000mm diameter) together with the relatively large driver's cab made her stand out. The Bavarian State Railways put the first locos of the Pt 2/3 in service in 1909, the last ones came in 1916. All of the engines (2-6-0, top speed 65 km/h) were delivered by Krauss of Munich. The Deutsche Bundesbahn took the last engine out of swervice in 1963.

HO



4070



Steam locomotive BR 78.0-5 of the DB.

The category T 18 was the last locomotive with separate tender that was developed for the Prussian Staatseisenbahnen. It was designed 1912 as a locomotive for express and passenger trains that operated close to the border or in mass transit on shorter routes. Its power output and maximum speed were supposed to be somewhat equal to the P 8. It was Robert Garbe who designed this 2'C2' locomotive with separate tender for 100 km/h and with an axle load of 17 tons. It was built in the Vulkan-Werke in Stettin and got the classification T 18. The DB decommissioned the last locomotives in the middle of the 1970 from the depot in Rottweil. The 78 246 can presently be seen in the German Steam Locomotive Museum.



NEW PRODUCT





Steam locomotive, class 81 of the DB.

In 1928, the company of Hanomag delivered a series of 10 locos of class 81 designed for heavy banker duties. Many of the parts were similar to the smaller class 80 engines. During the DB period, many of the locos were stationed in the Oldenburg area. One example is kept as a preserved loco.



4081

DB









BR 86 steam locomotive, of the DB.

A part in the type program of the German Railways in the 20s was designated for a tender locomotive for mixed service on heavily frequented branch lines. Many German locomotive factories delivered this steam locomotive (also known as type 86) with nearly 800 exemplars to the German Railways between 1928 and 1943.



Alongside the class, 01, the class 03 were express locos of the Deutschen Bundesbahn (German Federal Railways. 154 engines were taken over by the DB. With their two metre tall driving wheels, and theri slim boiler, they were a particularly elegant looking locomotive. A total of 298 engines were in service. They developed 1,980 horepower and attained a top speed of 130 km/h. Just as did a few others of the class, the prototype is coupled with a standard riveted tender 2'2'T32.

88 543



NEW PRODUCT

HO









410701

DB

411901 Steam locomotive, class 18.4 of the DB.

Prototypical reproduction of the four-cylinder compound motion, complete with inner cylinder motion. The S 3/6 examples of the series "K" were still runing into the 1960's on the DB.







4118

DB

Ep III

246

••••• NEM

€ 169,00

Steam Locomotive, class 18.6 of the DB.

Prototypical reproduction of the four-cylinder compound motion, complete with inner cylinder motion.

At the beginning of the 1950's, there was a shortage of powerful express locomtoives on the DB. As a result, 30 engines of the class 18.5 were given a new, welded boiler with a new firebox. Even the driver's cab and fittings were changed on the class 18.6. The reconstruction works made these one of the most economical to operate of the DB fleet. They achieved almost impossible performance figures. They covered between 500 and 600 km per day, their longest run being the 372 km between Stuttgart and Hof. When they were finally taken out of service in 1965, the majority of them had around one million kilometres on the clock.



Steam locomotive, class 39.0-2 of the DB.

The prototype developed 1182 kW (1,620 horsepower), weighed 162 tons and could run forwards at 110 km/h and backwards at 50 km/h. A total of 260 locos were delivered to the Deutsche Reichsbahn Company from 1922 onwards, primarily hauling heavy passenger trains and expresses in the hilly areas. Version with Witte smoke deflectors, standard tender and white rimmed buffers.



Steam locomotive, class 54.15-17 of the DB.

The original class G 3/4 H of the Royal Bavarian State Railways were built between 1919 and 1923.

In comparison to the older class G 3/4 N, they were fitted with hot steam, water pre-heater, a larger and higher mounted boiler, plus the re-introduced Adams axle. Grouped together by the DRG as the class 54.15-17, they were the most powerful 2-6-0 steam loco in Europe, and more economical than their predecessors. All 225 examples constructed, were taken over by the DRG and received the operating numbers 54 1501 to 1725. The majority of the locos survived the Second World War. Although designed for goods trains, they were ofen used for passenger trains too. The last examples were based in Nürnberg Rbf depot.



413601

(DB)









NEW PRODUCT BR 065 steam locomotive, of the DB.

406501

HO

DB







NEW PRODUCT

Steam locomotive BR 086 of the DB.

408601

The DB stationed most units of the BR 086 in the epoch IV in Nuremberg for the Frankonian branch lines and the shunting depot of the area. The depot if Hof was also known territory for the 086. The DB decommissioned the last locomotive in 1974.









Steam locomotive, class 098 of the DB.

The class 98.8, the Bavarian GtL 4/4, was first introduced in 1911 by the Bavarian State Railways. They continued to be made, with minor alterations up to 1927. The locomotives behaved themselves extremely well in operation, and, with a rating of 450 horse power, they were the most powerful Bavarian branch line locomotives. A total of 117 locomotives were made. Almost all railway depots in Bavaria which served branch lines had the GtL 4/4 in their stock. The two last remaining Bavarian GtL 4/4 which used to be based in Schweinfurt in the 1960s, have become the darlings for railway fans. Towards the end of her career, 098 812 used to run on the branch line from Bad Neustadt (Saale) to Königshofen (im Grabfeld) snd pulled both passenger and freight trains. The loco is preserved in running condition as a museum locomotive by the Ulmer Eisenbahnfreunde



Steam locomotive BR 003 of the DB.

The series 03 was next to the series 01 the steam express train locomotive of the Deutsche Bundesbahn. The DB ordered 154 units of the machines. With its 2 m high driving wheels and coupler wheels and its narrow boiler it was an especially elegant locomotive. All in all 298 machines were put into service. Only during the epoch IV were the last units of the series 003 - 003 088, 003 131 and 003 268 - deposited 1972 in Ulm.









410301









HO

409801

NEW PRODUCT



PRIVAT

NEW PRODUCT

403401



Cog railway steam locomotive (similar to BR 91.3-18). For rack and pinion and regular tracks.





Due to the enormous climbing ability on rack and pin tracks this locomotive can master extraordinary elevation differences (up to 35%) in the smallest areas. The coupling 6514 shows the advantages of the FLEISCHMANN PROFI coupling real short coupling and pre uncoupling - also on routes with rack and pinion rails.

Electric locomotive, class 119 of the DB.

Parallel to the first two locomotives of the class E 19 (AEG) uilt in co-operation with Henschel and SSW, two additional locos of this class were made. As they were taken into service in 1940, locos E 19 11 and 12 were equipped for express travel at speed of up 225 km/h. The electric locos were permitted to run at 180 km/h, although the DRG were planning to opeate an express service between the "Reichsaxis" cities of Munich and Berlin. Thanks to the outbreak of the Second Wolrd War, the plans came to nothing. Later, the DB reduced their speeds to 140 km/h. Right up to the introduction of the class E 03, these four locos were the most powerful express electric locos on the DB. These elegant machines lived out their last days of servcie based at Nürnberg Hbf, from where they hauled fast trains to Munich and Probstzella.

The locos were indespensible, even as late as epoche IV.



Steam locomotive BR 230 of the SNCF.

According to the conditions that were outlined in the treaty of Versailles 13 unite of the series S 10 had to be given to Elsass-Lothringen. Some of these machines were taken over by the SNCF. One specialty of this exemplary Prussian loco was the tender 2'2'T 21,5.







HO



NEW PRODUCT



NEW PRODUCT BR 770 steam locomotive, of the ÖBB.

407001







411702 Steam locomotive, class 617 of the ÖBB.



After 1945, the three former Prussian S 10.1. locos remaining on Austrian soil, were taken over by the Österreichische Bundesbahn (Austrian Federal Railways) and were reclassified as class 617.1004, 617.1089 and 617.1099 living for a few more years until 1957.





Steam locomotive group (BR) 999 of the FS.



Steam locomotive "EA 11" of the "Porto di Savona" private railway.



Steam locomotive "302" of the Società Veneta.



Altogether more then 1300 T 3 were built for the Prussian State Railway but also for numerous other railways nationally and internationally from company railways to state railways. The small locomotive was also active in Italy where it was classified as GR 999.



HO

401003



Ep II 101 ⊨ ••••• NEM € 225,00

The original was in service in the port of Savona (Italien).

401004

NEW PRODUCT





built for the Prussian State Railway but also for numerous other railways nationally and internationally from company railways to state railways. The small locomotive was also active in Italy where it was classified as GR 999.

Altogether more then 1300 T 3 were



401005

PRIVAT



NEW PRODUCT Steam locomotive Gr 897 of the FS.

Steam locomotive Gr 897 of the FS.



409403



NEW PRODUCT

409404









Steam locomotive, class TΦ-033 of the SZD.



160 ⊨ ••••• NEM € 255,00 After the treaty of Versaille two units of the series T 16.1 were given to the Italian State Railway FS. Different operating number then Art. 409404.

After the treaty of Versaille two units of the series T 16.1 were given to the Italian State Railway FS. Different operating number then Art. 409403.

At least six examples of the ČSD type 455.2 came later as TΦ-033 to the Soviet State railways. Besides these, there were several locos previously of the class 86 to be found on State railways.

Steam locomotive BR 335.1 of the CSD.



Steam locomotive, class 455.2 of the CSD.



437.05 steam locomotive, of the ČSD.



The T 9.3 were locomotives with a separate tender that were used for passenger as well as goods transportation. Some units even strayed into former Czechoslovakia where they operated under the classification 335.1.



HO

403204





After the Second World War, 28 former examples of the class 86 became the CSD type 455.2 Six of them later went to the SZD.







One locomotive of the type series 56.20-29 (Prussian G 8.1) remained on the territory of the former ČSSR after 1945 and was classified as 437.05



NEW PRODUCT

415901

ČSD



408602 Steam locomotive, class TKt3 of the PKP.

After 1945, 44 examples of DRG class 86 remained in Poland, now classified as TKt3. Until around 1980 they were stationed in Zabrze and Zawadzki. Number 86 240, as Tkt3-16 has been preserved.



PKP





Steam locomotive class Pd5 of the PKP.

411301

PKP









NEW PRODUCT

509101

K.Bay.Sts.B.



NEW PRODUCT

509301

K.Bay.Sts.B.



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TTTT I

3rd class express coach, type C 4ü Pr08, of the K.P.E.V., with tail indicators. Ideal train loco: Art.-Nr. 480901.

Common of



6-axled, sleeping coach, type WL 6ü, of the K.P.E.V.





Ideal train loco: Art.-Nr. 480901.

Ideal train loco: Art.-Nr. 480901.

HO



580903

226 6445 € 1 57,50

1.

580902











Ideal train loco: Art.-Nr. 481001.

581005





NEW PRODUCT

581006 AR

Ep || 212 6445 € 54,90



4 axle 2nd/3rd class compartment car with brakeman's cab type BCpr04, DRG.



4 axle 3rd class compartment car with tail end indicators type C4pr04, DRG.

Ideal train loco: Art.-Nr. 481001.

Ideal train loco: Art.-Nr. 481001.

NEW PRODUCT 581007







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Ep II 105 ⊨ = 530 € 11,90

5051

(SP)



3rd. class coach, type Ci Pr 86, of the DRG.

Post-/baggage coach, type Pw Post i Pr84, of the DRG.



5057



5059







2nd./3rd. class coach, type BCL Bay05, of the DRG.



2nd./3rd. class coach, type BCi Pr86, of the DRG.



11

€ 1 36,00



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Ep || 105 |= |

5052



NEW PRODUCT	Post/luggage wagon of the "Bergheimer Lokal- bahn Aktiengesellschaft".	2nd class passenger wagon of the "Bergheimer Lokalbahn Aktiengesellschaft".	NEW PRODUCT	HO
Ep III 105 ■ ∞ 6530 € 35,50			PRIVAT Ep III 105 □ = 6530 € 25,50	
	2nd class passenger wagon of the "Bergheimer L	okalbahn Aktiengesellschaft".	NEW PRODUCT	
			505901	
			PRIVAT	
			Ep III 105 ⊨ = 	
	2 axle post/luggage wagon type Pw Posti (Pw Pos	sti pr 11), DRG.	NEW PRODUCT	
			506011	
			Ep 136 ⊨ = 	
	© Fleischmann H0 Autumn/Winter Catalogue 2010 www.fleischmann.de			57



Baggage coach, type Pwi bay 07, of the DRG.



2nd./3rd. class coach, type BCi bay 10, of the DRG.



3rd. class coach, type Ci bay 10, of the DRG.





2-axled, Bavarian style coaches were more or less an everyday sight on the DRG tracks in epoch II. It was not until the end of the 1950's that the last examples on the DB were taken out of service.



5091







HO



5090

(FF)

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Inset windows, of which some have protective grills. 4 opening sliding doors.



5150









The prototypes of the Prussian express coaches set the standard for the construction principles of the period. Gradually, from 1909, the Prussian standard bogies were replaced by the "Swan-necked" American style bogies. They were the first Prussian coaches to be fitted with this style of bogie. The coach body was made of wood and then clad in steel panels.





1st./2nd./3rd. class express coach, type ABC 4ü Pr09, of the DRG.





3rd. class express coach, type C 4ü (Pr08), of the DRG.









6-axled restaurant coach, type WR 6ü, of the MITROPA company.





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HO



5155

5156



Ep II 236 6445 € 57,50

563601 (AP)

NEW PRODUCT 2nd/3rd class express wagon type BC4yswe-30/50, DRG.

3rd class express wagon type C4ywe-30/50, DRG.

New: Wagon version with slidable lattice grate.

The four axle standard corridor carriages were delivered between 1930 - 1933. They had a chassis made out of steel and set-back front structures, two axle bogies type "Görlitz III leicht" and bufffers with 500 mm buffer plates. The side sheeting as well the roof sheets had been riveted.

New: Wagon version with slidable

lattice grates.

NEW PRODUCT

567620

RIE JIS

241

6452

€ 1 69,90

11

567706





-			the second second	AL CARD		a)	and the	
					-	-	1	
	3	Allender						
	Ivan.	(الجيور (ي			

NEW PRODUCT

3rd class express wagon with tail end indicators. Type C4ywe-30/50, DRG

New: Wagon version with slidable lattice grates and end indicators.









3-axled, 2nd. class coach, type B 3, of the DR. Some windows are open. Centre axle has sideplay.



3-axled, 2nd. class compartment coach with baggage compartment, type B 3tr, of the DR. Some windows are open. Centre axle has sideplay.



3-axled baggage van, type Pw 3, of the DR. Some windows have protective grills. Cente axle slides sideways.



576501

DR

HO



576601

DR



576901

DR

Ep	
130	
	6469
€ # 4	3,50



5797

1st./2nd. class express coach, type AB4ümpe, of the DR.

2nd. class express coach, type B4ümpe, of the DR.



The delivery period for the standard four-axled through coaches took from 1930 to 1933. They were fitted with a steel chasis and double-axle "Görlitz III light" bogies, with 500 mm buffers.

The bodywork and roof were riveted together.



Ep III 241 ⊨ = 755,50



577901 6-axled, sleeping coach, type WL 6ü, of the DR.





5741

1st. class express coach, type A4üe (AB4ü-35), of the DR.



€ 🗄 53,00













5065



2nd class, 3-axled coach with baggage compartment, type B 3 tr (C 3 tr pr 02), of the DB.

111 140 **5** 6469 € ≩ 48,50

5066

DB



2nd. class, 3-axled coach with baggage compartment, type B 3 tr (C 3 tr pr 02/04), of the DB.

11,903 compartment coaches of the original Prussian style were owned by the DB in 1952 – and this huge number despite the gaps in the fleet caused by the effects of the Second World War. True, the coach bodies were made of wood, and for the most part over half a century old, but the newly born Deutsche Bundesbahn could not do without them for local services and in particular commuter trains. Because there was lots of doors though, the entry and exit for the passengers was very fast, and at that time the construction of a successor type was out of the question purely on the grounds of costs.

3-axled baggage coach, type Pw 3 i (Pw 3 i pr 97), of the DB.





3-axled baggage coach, type Pw 3 (Pw 3 pr 99a), of the DB.





5068

DB







ļ	5069	
(DB	

Ep	Ep		
130	130		
€ an	43	3,50	



€ 44,50

1st./2nd. class, 3-axled coach, type AB 3 is (BC 3i pr 05), of the DB.





Baggage coach, type Pwi (Pwi-27), of the DB.



After the Second World War, the remaining numbers of the so-called "Thunderboxes" of both railways of the German States (East & West) were the mainstay of passenger traffic. Numerous vehicles belonging to the Deutsche Bundesbahn were fitted with new seating in the style of the B3yg coaches between 1951 and 1952. It was not until September 1973 that the "Thunderboxes" began to disappear, along with the closure of many their lines. Interesting to note though, that the cost of manufacture of one "thunderbox" was around an amazing 35.000 Reichsmarks (according to the version).

2nd. class, 3-axled coach, type B 3 itr

(CC 3 itr pr 07a), of the DB.

DB Ep III 140 6469 € 🗄 45,90

5064

HO

507301







DB









1st./2nd. class coach, type ABi (Ci-28), of the DB.



4-axled baggage coach, type Pw4 (Pw4pr04), of the DB.

After the Second World War, the remaining numbers of the socalled "Thunderboxes" of both railways of the German States (East & West) were the mainstay of passenger traffic. Numerous vehicles belonging to the Deutsche Bundesbahn were fitted with new seating in the style of the B3yg coaches between 1951 and 1952. It was not until September 1973 that the "Thunderboxes" began to disappear,along with the closure of many their lines. Interesting to note though, that the cost of manufacture of one "thunderbox" was around an amazing 35.000 Reichsmarks (according to the version).



507701





5685





The four-axled Prussian coaches were taken over from the former Deutschen Reichsbahn after the war, and for several years were owned by the DB. The compartment coaches are fitted with electric lighting, as they were in epoch III (and with battery boxes, generators) with altered air vents on the roof.



4-axled, 2nd. class compartment coach with baggage compartment, type B4tr (C4trpr04), of the DB.

4-axled, 1st./2nd. class compartment coach with brakeman's cab, type AB4 (BCpr04), of the DB.

4-axled, 2nd. class compartment coach, with tail indicators, type B4 (C4pr04), of the DB.

Post coach, type Post 4, of the DB.

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In the beginning, the young DB could not dispense with the services of the express coaches which dated back to the Lánderbahn period, even though they had reached a ripe old age. The coaches were not replaced until 1953 by the new "flat" sided, 26,4 m long new constructions.









5687

(DB)

Ep III 212 6445



(DB)

5690 DB



5678



€ 1,50





5691

4-axled, 1st./2nd. class express coach, type AB 4ü (pr. 07), of the DB.







4-axled, 3rd class coach, type C 4ü (Pr08), of the DB, with tail indicators.



2nd. class express coach,type B4ywe-30/50, of the DB.



1st./2nd. class express coach, type AB4yswe-30/55, of the DB.



2nd. class express coach, type B4ywe-30/50, of the DB.



The prototypes of the Prussian express coaches set the standards for coach production of the period. However, after 1909, the standard Prussian bogies were gradually replaced by the so-called "Swan-neck" bogies of the US style. These were the first Prussian coaches to be fitted with these bogies. The coach bodies were made of wood and then clad in steel panels.

DB

HO



5675

DB

Ep III

241

6452

€ 1 85,90

568301

With electronic red tail lighting.

The delivery time for the four-axled standard corridor coaches stretched from 1930 to 1933. They had a steel chssis, with cut-in ends, twoaxled, "Görlitz III light" and 500 mm buffes. As the bodyork and roof were also plated, they were riveted together.

The delivery time for the four-axled standard corridor coaches stretched from 1930 to 1933. They had a steel chssis, with cut-in ends, twoaxled, "Görlitz III light" and 500 mm buffes. As the bodyork and roof were also plated, they were riveted together.













One half of the original wagon once was a 2nd class seating wagon.



567705







Express baggage coach, type Pw4üe (Pw4üe-37), of the DB.





The express coaches of group 35/36 were the backbone of passenger traffic on the Deutsche Bundesbahn in epoche III. They were fitted with Görlitz style

bogies, concertina corridor connections and tapered roof ends.











5632

2nd. class express coach, type B4üwe (C4ü-35), of the DB.



€ 🗄 54,00




DSG

Express restaurant coach, type WR4ü[e] (WR4ü-35), of the DSG.

Express sleeping coach, type WLAB4ü[e] (WL4ü-37), of the DSG.

SPEISEWAGEN





5634 DB



5635



244 **6452** € 1 55,00

5638



€ 74,00

HO







Express restaurant coach, type WR4üm-64, of the DB. In 1964, the Deutsche Speisewa-

gengesellschaft DSG introduced the coach type WR4üm in service. This was the first newly developed restaurant coach for the trains of the DB, which previously had only been running with half-restaurant coaches or ones of much older construction.

HO



5605

DB



5607







5609



6454 € ≥ 71,00









Express baggage coach, type D4üm, of the DB.

2nd. class express coach, type B4üm-63, of the DB.

With electronic red tail lighting.





NEW PRODUCT 1st/2nd class local coach, type ABnb 703, of the DB.

564101





Now available as epoch III version!

The coach of the DB, also known as "Silberling", is a 26,4 m long vehicle with two double-doored entry areas conforming to the UIC-X guidelines. The name is derived from the radiator tanks which are made of polished stainless steel. The vehicle type "n" - the official description for the Silberling – was obtained 5.000 times in different versions between 1961 and 1980 and had been the most important vehicle for local traffic of the DB for a long time.

NEW PRODUCT 2nd class local coach, type Bnb 719, of the DB.





€ 49,90





2nd class local coach, type Bnb 719, of the DB.







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Construction wagons: One 3rd class 3 axle passenger wagons with luggage compartment and one 3rd class passenger wagon, DB.



Construction wagons: One 2nd/3rd class 3 axle passenger wagon and one 3rd class passenger wagon, DB.



Construction wagons: Two 3rd class 3 axle passenger wagons, DB.







NEW PRODUCT

509701

DB

Ep III





509801





509601

HO







As the DB was founded, they took over a large number of 3-axled coaches, which had already been in use on the previous regional state railways for many years. Even though these coaches did not match the standards of the time. they could not be dispensed with on economic grounds, so they decided on a conversion job. The coaches were fitted with a standard, steel bodywork and seating adequate for the period. Each second wagon was close-coupled, permitting a running speed of 100 km/h.



Ep IV

153

6469

€ 🗄 43,50







2nd. class, 3-axled coach, type B3yg 761, of the DB.



5098



5099









With electronic red tail lighting.

2nd. class local coach with baggage compartment, type BDyg 531, of the DB.



1st./2nd. class local coach, type AByg 503, of the DB.



2nd. class local coach, type Byg 515, of the DB.





In the 1950's, the Deutsche Bundesbahn had over 500 four-axled coaches which had started life in the Lánderbahn period. In the course of a modernisation programme, these coaches were renovated, creating the so-called "convert coaches": one 2nd class coach, one 1st/ 2nd composite coach and one 2nd class coach with baggage compartment. For a large number of years, these four-axled converted coaches were the backbone of local traffic.





5127

DB

5128



5129



€ 1 49,90

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DB









1st/2nd class express wagon type AB4yswe-30/55, DB.



The four axle standard corridor carriages were delivered between 1930 - 1933. They had a chassis made out of steel and set-back front structures, two axle bogies type "Görlitz III leicht" and bufffers with 500 mm buffer plates. The side sheeting as well the roof sheets had been riveted.



2nd class express wagon type B4ywe-30/50, DB.









NEW PRODUCT

2nd class express wagon type B4ywe-30/50, DB.

With electronic tail lighting.





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2nd. class cab-coach with baggage compartment, type BDymf 456, of the DB.



1st./2nd. class coach, type ABymf 411, of the DB.



2nd. class coach, type Bymb 421, of the DB.





One speciality: the control-cab coach; A small driver's cab was constructed on the right hand side, end of the coach, whilst on the other side was a small service compartment. In order to be still able to access the next coach in the train, a central corridor connection was made in between these compartments, fitted with doors which could be closed and surrounded by a moulded rubber cushion. Two windows on either side of the corridor connection gave view of the route.

The so-called "central entrance coaches" with their new standard length of 26.4 m, count amongst the first new construction programme on the DB. They were designed not only for local traffic but also for long distance routes. In order to reduce the amount of time spent waiting in the station, the coaches had 4 doors on each side. This made it possible to have a quick entry - and - exit, especially on commuter trains. A control cab coach for push-pull operation, matching these coaches, was soon developed. The permitted top speed of these coaches was 120 km/h.

Ideal train locos: 410301, 410371, 4131, 4235, 423602.



5664

5665







Ep IV 282 == 5454

€ 1,50



The prototypes of the Prussian express coaches set the standard for the construction principles of the period. Gradually, from 1909, the Prussian standard bogies were replaced by the "Swan-necked" American style bogies. They were the first Prussian coaches to be fitted with this style of bogie. The coach body was made of wood and then clad in steel panels.



1st / 2nd class express coach, type AB, of the SBB.



2nd class express coach, type B, of the SBB.



1st / 2nd class express coach, type AB, of the SBB.

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HO



825138

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825139





567616





567702



241 **6452** € 59,50





2nd class 3 axle passenger wagon with load compartment, CSD.



2nd class 3 axle passenger wagon with load compartment, CSD.





506101

ČSD



NEW PRODUCT

506210

ČSD



NEW PRODUCT







3 axle heating boiler wagon type Heiz 3i pr 04 with smoke generator, K.P.E.V.



4 piece set goods wagons of the K.P.E.V.

At the beginning there were about 150 heating boiler wagons of Prussian origin that did their services during the Epochs I - III. The heating boiler wagons

can generally be used behind three axle steam locos, Diesel locos and electric locos.

New: With smoke generator. Comes with interface for function decoder.



538281











523603

335 € 1 71,90



The set contains one boxcar for the transportation of margarine, two tank wagons and one three axle refrigerator wagon "VBMW".

2 part rail transport wagon set, type Sml, of the K.P.E.V.



The Prussian State railways were already using these wagons for 12m long loads of rails. Additonally other individual states were developing their own rail transport wagons, with over 1,000 examples being made between 1911 and 1926. The wagons were originally fitted with 12 side rungs, low sideboarding and loading cradles. The last wagons were removed from service in the 1970's.



5203 (AR)

SE IL

Open goods wagon, type Ovw "Würzburg", of the DRG.





5211 Open goods wagon, type O ("Schwerin"), of the DRG.





Goods van with brakeman's cab, type Gr 20, of the DRG.



€ 🖹 29,90

5330



Open goods wagon with brakeman's cab, type Bauart Ovw "Würzburg", of the DRG.







Boxcar "Karpfenzüchter" with brakeman's cab, of the DRG.



5204







5256



	Ep				
1	47	7	(= =)		
€	RRP	28,00			

NEW PRODUCT

530902



Ep II 147 ► ■ € 28,90

Ep II 113 € 37,50

534802

(FFR)



Refrigerated van with brakeman's cab, "Pilsner Urquell", operated by the DRG.

Goods van, type Gvwh "Stettin", of the DRG.

Cattle truck, type Vh "Altona", of the DRG.





5353







Goods van, type G 02 "Stettin", of the DRG.





98 € 31,50

Goods van with brakeman's cab, type Gvwh "Stettin", of the DRG.









l	Еp		
1	01		
€	RRP	31	l,50



Cattle wagon with brakeman's cab, type Vwh "Altona", of the DRG.





5368

115

€ 37,00

11

Goods van with end platforms ("Fakultativ-Wagen"), type Cigd, of the DRG.

This wagon, Nr. 5368, is also known as a "versatile wagon", which means that this 2-axled vehicle could be used either as a passenger coach or a goods van. Our version corrsponds to the passenger carrying variant.



3-acxled, train heating van, type Heiz 3i pr 04, of the DRG.



Goods van with brakeman's cab, type G 02 "Hannover", of the DRG.



Goods van with end platforms, type Gwi "**Magdeburg", of the DRG.** Variant of the "versatile wagon" without windows.



2 sliding doors. Train heating boiler mounted inside. Centre axle slides sideways.

From the former Prussian times, there were around 150 heating boiler wagons who managed to see service right into the DRG era. Principally, these 3-axled boiler wagons were uiversally used immediately behind steam, diesel and electric locos.













	Ξp	- 11	
1	15		
€	RRP	3	5,50



NEW PRODUCT

544902

Wagon for the transportation of carbonic acid of the company "Chemische Fabrik von Heyden", DRG. Ballast hopper wagon, type Talbot, of the DRG.

5505

(FF)

Ep || 80 ||

€ 1 29,00

NEW PRODUCT

530802

DR

Ep III

147

€ 1 33,50

HO







576001 DR

Ep ||| 136 |= |

€ 44,00

Railway service coach, type "Weimar", ex type Pw Posti, of the DR. Some windows protected by grills.









Leig wagon unit that contains two boxcars type Glleh "Dresden", DR.

Fixed short couplers with movable transitions between the wagons. 4 movable sliling doors. The Leig wagon unit contains 2 boxcars type "Dresden" that are short coupled and connected through transitions. Both wagons have small side windows. One boxcar comes with brakeman's cab.







5260 Open goods wagon, type O 10, of the DB.

Open goods wagon, with brakeman's cab, type O 10, of the DB.



DB



2 piece set with gondolas type O, DB











DB

€ ≩ 47,50

166

Rail transport wagon with brakes, type S 14 of the DB. Loaded with two tractors.



the second s

The Prussian State railways were already using these wagons for 12m long loads of rails. Additonally other individual states were developing their own rail transport wagons, with over 1,000 examples being made between 1911 and 1926. The wagons were originally fitted with 12 side rungs, low sideboarding and loading cradles. The last wagons were removed from service in the 1970's. The Prussian State railways were already using these wagons for 12m long loads of rails. Additonally other individual states were developing their own rail transport wagons, with over 1,000 examples being made between 1911 and 1926. The wagons were originally fitted with 12 side rungs, low sideboarding and loading cradles. The last wagons were removed from service in the 1970's.



DB



5300

DB

Güards van, type Pwg, of the DB. With interior fittings and two sliding doors.

Ep III 98 € 36,00



Goods van, type Gmhs 53, of the DB.

Multi part set construction set, DB.

"Magirus Eckhauber" with workshop wagon.

Güards van, type Pwg, of the DB. With interior fittings, 2 sliding doors as well as interior and 2 red tail lights.





HO

5301



5319



The electronic train tail lighting will operate on low voltage and remains brightly lit.





NEW PRODUCT

535203



Ep III € 1 99,50



Content: 1 boxcar, 1 gondola X 05 with a BREKINA bus, 1 gondola O 10 that carries gravel and 1 BREKINA lorry type

NEW PRODUCT Beer wagon "Würzburger Bürgerbräu" with brakeman's platform, DB.

534601





New: With smoke generator. Comes with interface for function decoder.

3 axle boiler wagons type Heiz 3i pr 04

with smoke generator, DB.

NEW PRODUCT

538282







Refrigerator wagon with brakeman's platform "Heinrich Baumgartner, DB.

"Heinrich Baumgarten

534603

NEW PRODUCT





At the beginning there were about 150 heating boiler wagons of Prussian origin that did their services during the Epochs

BREMERHAVEN-FISCHEREIHAFEN

I - III. The heating boiler wagons can generally be used behind three axle steam locos, Diesel locos and electric locos.

542402

DB

Ep III 101 ► 4 € 1 34,50 Tank wagon "DEA", in service of the DB, with brake platform.

Tank wagon "Dynamit Nobel" with brakeman's platform, DB.

NEW PRODUCT

544502

PRIVAT

E	Еp		
1	01	(= =)	
€	RRP	34	1,90



NEW PRODUCT

2 axle coal lorry of the mine GBAG.

are realistically aged.

526402 Privat

Ep III 105 ► ■ € 28,90



In the 1950s the two 4 axle coal lorries were typical for the mining and fee-

der lines of the mine Zeche "Zollern" (Ruhrgebiet) in the 1950s. The lorries

NEW PRODUCTCoductor wagon of the GBAG.536802The wagon is an ideal supplement to the articles 401002/391002,
526402, 526502, 526602.

Ep III 115 🗖

€ 1 37,90

PRIVAT



NEW PRODUCT

649501

€ 19,90

Set of "mine lorries" The wagon is an ideal supplement to the articles 401002/391002, 526402, 526502, 526602.

2 axle coal lorries with brakeman's platform of

the GBAG. In the 1950s the two 4 axle coal lorries were typical for the mining and feeder lines of the mine Zeche "Zollern" (Ruhrgebiet) in the 1950s. The lorries are realistically aged.



4 axle coal lorries with brakeman's platform of

the GBAG. In the 1950s the two 4 axle coal lorries were typical for
the mining and feeder lines of the mine Zeche "Zollern" (Ruhrgebiet) in the
1950s. The lorries are realistically aged.
00 00
1 - 25 - 25 - 2
GBAG GBAG GBAG GBAG
Landstein
and the section of th

Flat wagon type S 14 of the DB. Comes with 10 coal huntes.



NEW PRODUCT

526502

HO

PRIVAT

	Ep		
1	13		
€	RRP	29	9,90

NEW PRODUCT

526602

PRIVAT

	Ξp		
1	53	 	
€	RRP	34	4,90

NEW PRODUCT



	≣p		
1	66	(1	
€	RRP	68	8,90





Ep III 105 ■ ■ € 242,50

5568

DB





Ballast hopper wagon, type Talbot, of the DB.

5506







521601 **DR** Open goods wagon with brakeman's platform, type O, of the DR. Loaded with brown coal.

Ep IV 113 ■■ € 27,90



This special wagon will keep the rail surfaces clean. having the wagon pemanently running in a train will ensure the track is kept clean. Rotating cleaning discs will clean the rails without the need for any liquids. 2 spare discs are included inside the load. Works in either direction. Additional packs of 10 spare discs can be obtained via your dealer. (Part no: 35 5569)



Open goods wagon, type O 10, of the DR. Loaded with brown coal.

526001 DR

€ 1 24,90

IV

93



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HO

534602

113

€ 1 31,90

503304

DB

€ 🖹 26,50

IV

104

IV

NEW PRODUCT Beer wagon "DAB" with brakeman's cab, DB.

Tanker wagon "EVA", as used on the DB.

3 piece set hopper wagons type Talbot, DB.

The wagons come with different running numbers, they are loaded.

DORTMUNDER

DAS BIER VON WELTRUF

Goods van, type Gmhs 53, of the DB. With interior fittings. 2 opening sliding doors.



Tanker wagon, "SÜDZUCKER" with brakeman's platform, as operated by the DB.





Self-unloading hoppwe wagon, type 267, of the DB.

With operating side doors for automatic unloading of minerals over the unloader unit 6482 or the unloader track 6485.

IV		Ep	
	}	33	1
3,00	43	RRP	€



NEW PRODUCT

550503

DB





531001

DB





5423

101 ► ■ € 235,50

> 5525 DB

Tank wagon "KRALUPER PRAG" with brakeman's cab, St.E.G.



503301

Tanker wagon "MARTHA", as operated by the ÖBB.





520001

Lidded wagon with brakeman's cab, type K 15, der ÖBB.





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The historic tank wagon is shown at the Eisenbahnmuseum Luzná u Rakovnika and the Eisenbahnmuseum der Tschechischen Eisenbahnen (CD). On the grounds of the boiler room in Luzna u Rakovnika the Railway museum of the current Railway administration of the CD was founded in 1997. The boiler room is situated at the railway station Luzná u Rakovnika directly on the route Prag-Kladno-Chomutov. The museum is right next to a little birch copse which is the ideal scenery for the museum and the vehicles.



543703 Privat HO

	≣p	1]
1	01	(m m)	
€	RRP	32,90	

Chemical tanker wagon with brakeman's cab "Österreichische Stickstoffwerke Linz", as operated by the ÖBB.



4axled stake wagon with brakeman's cab, type SSk Köln, of the SBB.



544501



€ 141,90



528504



ľ	Ep			
153			(1 1)	
	RRP	44,50		

€



Goods van with brakeman's cab, type CHOK, of the NS.

The Dutch railways received the former DRG, type Gr Kassel, wagons as war reparations reclassifying them as numbers CHOK 14501 to 14508 and CHOK 14593 to 14599 for use on the NS wagon fleet.



534144 Refrigerated van "ZWANENBERG-OSS", as operated by the NS.

Goods van with brakeman's cab, type CHOK, of the NS.

The Dutch railways received the former DRG, type Gr Kassel, wagons as

war reparations reclassifying them as numbers CHOK 14501 to 14508

533001

 \Leftrightarrow





and CHOK 14593 to 14599 for use on the NS wagon fleet.

Tanker wagon "ESSO" with brakeman's platform, as operated by the NS.



E	Ēp		
1	01	(= =)	
€	RRP	34	4,00





NEW PRODUCT

530901

 \Leftrightarrow

Ep III

147

€ 🖹 33,50

Ep III 105 ► = € 24,00

3 piece set tank wagons, in service of the SNCF.

547202

SNEF





NEW PRODUCT	Lidded gondola, type K 15, DSB.	2 piece set tank wagons "dfo" with brakeman's platform, DSB.	NEW PRODUCT
520002			542609
DSB			DSB
Ep III 101 ⊨ ■ € ≅ 26,90	B B B B B B B B B B B B B B B B B B B		Ep IV 205 ■ ■ € 12 62,90
NEW PRODUCT	Gondola with brakeman's cab type O 02, FS.	Gondola type O, FS.	NEW PRODUCT
521205			521102
FS			FS
Ep III 84 ⊨ ■ € 26,50			Ep II 76 ■ ■ € 21,00
591301	Lidded wagon, type Sdw, of the PKP.	Accompanying wagon for goods trains,	NEW PRODUCT
PKP	With 6 operating lids.	type Pwg, of the PKP. With luggage compartment furnishing and two moveable sliding doors.	530004
Ep 76 =		A AA	PKP
€ 232,50			Ep III 98 ■ ■ € 2 36,50

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HO

539701 ČSD

High capacity grain carrying wagon with brakeman's cab, type Saz, of the CSD.



521301

ČSD

Ep IV

76 € 1 25,50



Lidded wagon without brakeman's platfrom, type Zu 6, of the CSD.

Lidded wagons were mainly used for transportation of weather susceptible minerals like cement, gypsum, chalk or grain. They were loaded using a hopper, conveyor belt or mechanical grabs.



NEW PRODUCT

Stake wagon with brakeman's platform type Rs, CSD.

525601







Refrigerated van with brakeman's cab, type Sph, "PIWO", of the PKP

534801 PKP

Ep III

€ 1 34,50

113



Open goods wagon with brakeman's platform, type Vtu, of the CSD.

ČS	D

E	p	111	
113			(= =)
€	RRP	23	3,50



Tanker wagon "Shell", as operated by the MAV.







Open goods wagon with brakeman's cab, type Omu of the SZD.



Goods van with brakeman's cab, type G, of the SZD.











521502 Open goods wagon, type Omu, of the SZD.







535201





Goods van, type G, of the SZD.

Your Hobby rolls on this Track

the ready-ballasted PROFI-track

Realistic looking with an easily understandable track geometry – that makes it simple for the **The Track Geometry** beginner and can easily be built up into larger model railway layouts. A super-layout grows With only a few different track pieces, the PROFI-track system enables an operational model step by step from the original purchase of a Start Set with PROFI-track together with corresponding track sets and individual track pieces.

The Track Foundation

The fine, precision engraved ballast bed with its irregular outer edges gives an excellent reproduction of the ballast shape, even down to identifying each individual stone. The past with PROFI-track.

The width and height of the ballast bed has been so selected so that when laying tracks in the station area a closer distance between parallel tracks can be obtained without the The "intelligent" Points ballast getting in the way. If a broader ballast bed is required, then colour matched scatter material is available.

Separate from the grey/brown ballast, you can even pick out the grain on the dark brown wooden sleepers of the PROFI-track. Also prototypical are the so called "Skl 3" tension clips with rib plates.

The Tracks

The full-profile rails of the PROFI-tracks consist of a high value nickel-silver alloy with ideal **The Turntables** current conducting properties even over long stretches. Special "Click" rail joiners ensure a The electrically driven "small" or "big" super-model turntables - in each case they are the foguarantee a good conductivity at rail joints.

railway to be constructed. The well thought out, easily understandable track geometry within a grid system, apart from diagonal tracks and a few special tracks, utilises only "full" or "half" straight or curved tracks. Track feed clips and switching accessories can be simply attached to the track as necessary. Curved tracks with 4 standard radii, a flexible ballasted track, with which one can "curve" extremely large radii, straight-, curved-, three-way points, double slips and express points all make it possible for practically all desired track configurations. Operalaborious task of ballasting the track - especially around the points - is now a thing of the tional tracks complete the layout, like uncoupler tracks for hand or electric operation as well as buffer stop tracks, even with level crossings.

The points are available with hand lever for manual operation. By simply clipping on an electric motor, all manual points can be converted to electrical operation at any time. All points are constructed as "thinking" points. A flick of the wrist, and the current will only flow in the direction in which the points are set. As delivered, all points are live points, which means that all tracks permanently conduct power. The "thinking" points allow locos, or loco hauled trains, to be stored in sidings or passing loops without any additional wiring.

lasting, secure fastening for PROFI-tracks - even if they have been laid on the floor - and cal point of a loco depot. Due to their wise technology concept - each track exit only receives power when the turntable is lined up with it - that means they can think too!



From manual points to control panel points. Electric motors simply clip on – and they're ready! By removing the wire bridge-clips Fleischmann points become "thinking" points with stop function. The super-rail joiners fit together with an audible "click" and hold the tracks securely together.



The Fleischmann PROFI-track can be trodden on, because the ballast bed, sleepers and rail profile are one complete unit.

The PROFI-Track System - from the "simplest" grid on you can build up the most complicated track configuration.



Straight Tracks

The "Basis" Track

The foundation of the layout construction using PROFI-track is the 200 mm long track piece 6101. Geometrically derived from it are the tracks with a "half" length: track 6103 as well as the uncoupler tracks 6111 and 6114.

Diagonal Tracks

Tracks 6102 and 6107 are for diagonal use in the track shape. E.g. the crossover section of a double-slip can be exchanged for two tracks 6102 each 105 mm long.

The 10 mm long track 6107 is then particularly important if a standard point is built in diagonally. The straight 200 mm long section lies diagonally, and must therefore, in order stay within the grid, be extended by 10 mm.

Flexible Rack Rail

For the construction of rack & pinion sections, the flexible rack rail is optimally designed so that – outside of points and uncouplers – it can be glued onto every straight and curved PROFI-track. Using rack locos, gradients of up to 35% can be climbed.

Uncoupler Tracks

Whether with manual operation (6114) or electrical operation (6111) – if an uncoupler track is introduced into the trackwork, then at this point locos and wagons can be uncoupled.

The uncoupler track 6111 combines good looks with operational needs. The motor is hidden within the track bed. Below baseboard mounting is not necessary.




Flexible Tracks

Gently curving parade stretches can be easily laid out using this special track 6106 or 6109, which just like all the other PROFItracks, is equipped with ballast bed. Also graded curves, i.e. the gradual curvature from the straight into a curve, are easily made using the flexible tracks. A track for true experts! For each track you will need two rail joiners (6436).

Flexible concrete-sleeper track

Track with concrete sleepers is used for long distance and regional areas for high speed running. The system is naturally also used for routes with tilting trains as well as passenger and goods traffic. Because of the complimentary design and the easyto-clean surface, the concrete sleepers are ideal for use on tracks within the station. Tracks with both wooden and concrete sleepers can often be found next to each other on all railways.



Curved Tracks

As standard, you can make up four different track circles from the curved tracks available:

Track Radius R1

For radius 1, the circle has a radius of 356.5 mm - measured from the middle point to track centre - and an outer diameter of 746 mm. There are two tracks in radius R1: a whole track 6120 (36°) and a half track 6122 (18°). Ten tracks 6120 are required to make up a complete circle (10 x 36° = 360°).

Track Radius R2

The second radius R2 is 420 mm and has an outer diameter of 873 mm. Also here, there is a whole (36°) track (6125) and a half (18°) track (6127) available.



Standard curved track, 36° (Radius R2). Radius: 420 mm.

10 pieces make up a circle. Outer diameter 873 mm. RRP € 3,80



Half curved track, 18° (Radius R2). Radius: 420 mm. 20 pieces make up a circle. Outer diameter 873 mm. RRP € 3,50

Standard curved track, 36° (Radius R1).

radiuRadius: 356,5 mm. 10 pieces make up a circle. Outer diameter of 746 mm. RRP € 3,50

6122 Half curved track, 18° (Radius R1). Radius: 356,5 mm. 20 pieces make up a circle.



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Track Radius R3

In the third radius R3 there is a whole (18°) track 6131 with a radius of 483.5 mm and an outer diameter of 1000 mm.

Track Radius R4

The fourth radius R4 is 547 mm with an outer diameter of 1127 mm. Track 6133 (18°) is used here. All four radii have a parallel distance of 63.5 mm.

Special Radius

Track 6138 is the universal opposite curve for standard-, express-, three-way points and double slips as well as 18° crossings. When connected directly onto the curved branch-off of a point or - similarly one on which a 6107 has been connected - then the parallel distance of 63.5 mm is achieved on the straight once more. The track 6139 is a special track, that comes into use with the turntables 6152 C and 6154 C.

"Thinking" Points

As delivered, all points are so called live points, i.e. all track exits conduct electricity and can be run over by any powered vehicle. If the two wire bridge clips are taken out of the point, then the current only flows in the track exit for which the point is set. This makes it possible to store trains without power, without any additional wiring. For example, a fast express can pass a stored



Points set to "straight on" - the red diesel loco will stand still.



goods train on a parallel track.

Removing the wire bridge clip – from every FLEISCH-MANN point - makes an electrical "thinking" point.



Points set to "branch-off" - the steam loco will stand still.



6131



Radius: 483,5 mm. 20 pieces

1127 mm.

1000 mm. RRP € 3.80



RRP € 3.80



6138

Curved track, 18°. Radius: 647 mm. 20 pieces make up a circle. Outer diameter make up a circle. Outer diameter make up a circle. Outer diameter 1327 mm. This is the opposite curve for the points. RRP € 3,80



Radius: 788 mm. Special track for turntable exits.

RRP € 4,10

"Thinking". Electric point motors can be clipped on later. The point can be fitted with the illuminated point lantern 6438. RRP € 20,90

Standard left hand point, for

6170 W

manual operation.

Length: 200 mm.



Standard right hand point, for manual operation. length: 200 mm.

"Thinking". Electric point motors can be clipped on later. The point can be fitted with the illuminated point lantern 6438. RRP € 20,90





6174 W

Left hand curved point for manual operation.

"Thinking". Electric point motor can be clipped on later. The point can be fitted with the illuminated point lantern 6438. RRP € 25,50



Right hand curved point for manual operation.

6178

Left hand express point

Thinking". Electric point motor

for manual operation,

can be clipped on later.

length: 300 mm.

RRP € 34,90

"Thinking". Electric point motor can be clipped on later. The point can be fitted with the illuminated point lantern 6438. **RRP \in 25.50**



On the express points the power pick-up is enhanced by the 9.5° floating, current conducting frog.

These points – just as in the prototype – cannot be slipped through, otherwise a short circuit may occur. The points must always be set in the right direction for the running vehicle. Because of their slim geometry, they lend themselves extremely well to the construction of the modern high-speed routes.



Right hand express point for manual operation, length: 300 mm.

Thinking". Electric point motor can be clipped on later. **RRP € 34.90**

Standard Points

The standard points 6170 and 6171 are the foundations for variable running operations on the model railway layout. Branch-offs from the straight can be made up with them. Extensive track layouts in the station area as well as storage sidings or industrial yards are made possible with them.

The length of the straight section of the standard point is 200 mm, corresponding to one 6101. The branch-off section of the point corresponds to a curved track 6138.

By connecting track 6138 onto the branch-off part of the point, the distance of 63.5 mm is once again achieved in the parallel track.

In the area around the frog of the point, the points are fitted with contact surfaces so that the flanges of the wheels can pick up power. The frog angle is 12°.

The points are fitted with sprung point blades, so that they can be run through from the frog end, even if the points are set in the opposite direction. The points are available for manual operation. Of course, the manual points can be fitted with electric motors later. This point motor can be mounted above the baseboard surface, or even underneath the baseboard. It is then necessary to cut a hole in the baseboard to accommodate the point motor.

Curved Points

Using the curved points, you can change from one track circle with radius 1 into another circle of radius 2 – and round the other way. In this way you can save on the space required, especially in the station area, and at the same time extend the usable track length of a platform. Therefore lots of start sets include this handy type of points. The inner curve of the curved points corresponds to curved track 6120. Basically, these points should be built into the parting point first of all, i.e. the crossing from inner to outer tracks begins with a curved point in the inner track at the start of the quarter arc. The technical arrangement of curved points corresponds to that of the standard points: improved current pick-up in the frog area, conversion possibilities to "thinking" points, control panel switching with clip-on point motors for above or below baseboard operation.

Express Points

A gentle curve away from the straight into the curve is the domain of the express point.

The straight track is 300 mm long, which corresponds to a track combination of 6101 plus 6103. Extended by use of track 6103 and the express point fits into the 20 cm grid once again. The curve 6138 is used as the opposite curve for these points.

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Three-way Point

It is best utilised to make up routes of points where space is confined. The length of the straight is 200 mm. The two branch-off tracks correspond to track 6138, which also serves as the opposite curves. Each of the two sets of sprung point blades can be set using the two point levers. The point motors can be fitted later, and the points can be switched to be "thinking" points.

Crossings

HO

The length of the crossing straight track of the 36° crossing 6160 is 105 mm, which corresponds to a diagonal track 6102. The application of this crossover is the connection between two parallel tracks with a distance of 95 mm. On each of the two 18° crossings 6162 and 6163, the straight track is 200 mm long and the crossing track 210 mm long. Track 6138 serves as the opposite curve leading to a parallel track distance of 63.5 mm. The two tracks which cross over each other are electrically separated, so that two different track circuits can cross.

Double-Slips

The geometry of the double-slips 6164 and 6165 corresponds to an 18° crossing: Length of the straight track 200 mm and the crossing track 210 mm.



Using the point lever or the electric point motor, this double-slip can be used to set up two routes: crossing or branch-off.

Just as for the 18° crossover, there is a left and right hand 18° double-slip, according to which way the crossing route diverts from the straight.

As delivered, all track exits deliver power into one circuit. By removing the wire bridge clips the crossing tracks become electrically isolated from each other. On the "crossing" setting, another track circuit can be traversed. On the "branch-off" setting, the current is separated at the centre of the slip.



6157 W

Manual three-way point. Length: 200 mm.

"Thinking". Electric point motors can be clipped on later. The point can be fitted with the illuminated point lantern 6438. **RRP € 49.90**



6160 Crossover track, 36°,

 Crossover track, 36°,
 Crossover

 length: 105 mm.
 cross

 RRP € 16,90
 RRP



6162 Crossover track, left hand crossing, 18°, length: 200 mm. RRP € 19,90



6163 Crossover track, right hand crossing, 18°, length: 200 mm. RRP € 19,90



6164 Double slip for manual operation, 18°, left hand crossing, length: 200 mm. "Thinking". Electric point motors can be clipped on later. RRP € 56.00

6165 Double slip for manual operation, 18°, right hand crossing, length: 200 mm. "Thinking". Electric point motors can be clipped on later. RRP € 56,00





6190 Track Pack. Station Set.

Contents: 8 straight tracks (7 x 6101, 1 x 6103), 2 uncoupler tracks 6114, 6 curved tracks 6122, 1 pair of curved points 6174 /6175.

RRP € 119,00



6194 Track Pack. Platform Set.

Contents: 11 straight tracks (10 x 6101, 1 x 6103), 2 uncoupler tracks 6114, 2 curved tracks 6138, 1 let hand point 6170, 1 right hand point 6171, 1 double slip 6164. **RRP € 165.00**



644020 Illuminated point lantern for PROFI track. To clip onto point motors 644110/644210. RRP € 11,00



6191

Track pack. Shunter Set.

Contents: 7 straight tracks (6 x 6101, 1 x 6103), 1 uncoupler track 6114, 2 buffer stop tracks 6116, 2 curved tracks 6138, 1 left hand point 6170, 1 right hand point 6171. **RRP € 99.00**

61950 Electro-Set for PROFI track.

To convert all manual points (straight, curved, three-way and double slips) to electrical operation from the control panel. Contents: 1 switch 6920 for 2 points, as well as 1 point motor 644110 and 644210 for left and right hand points. One electro-set will be sufficient to electrify the points in each of the track packs 6190, 6191, 6192 and 6193. For set 6194 you will need two electro-sets. **RRP € 52,00**



6192 Track Pack. Parallel Set.

Contents: 14 straight tracks (13 x 6101, 1 x 6103), 8 curved tracks (6 x 6125, 2 x 6127) 1 pair of curved points 6174/ 6175. **RRP € 124.00**



6193

Track Pack. Three-way point set.

Contents: 10 straight tracks 6101, 2 uncoupler tracks 6114, 2 buffer stop tracks 6116, 2 curved tracks 6138, 1 three-way point 6157. RRP € 119.00



6438 Illuminated point lanterns.

Point lantern for later fitting, alternatively for a right or left point, or for a three-way point. Illminated by maintenance-free diodes. Independently powered from the points. Measuremnt of the point lantern socket: 19 x 10 mm. Suitable for all points indicated by "W" of the PROFI-track system. **RRP € 15,70**



644110 Left hand point motor for PROFI track. Prepared to accept the clip-in illuminated point lantern 644020. RRP € 15.30



644210 Right hand point motor for PROFI track. Prepared to accept the clip-in illuminated point lantern 644020. RRP € 15.30

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6152 C

Electrically Operated Turntable, with electrically switchable track exits using the turntable control switch 6910. Length of the turning bridge: 310 mm.

The turntable is prototypically mounted in a recess and fitted with accurate details. As delivered, there are 6 exit tracks and 4 overrun ends. The exit tracks can be unclipped and repositioned as desired, or extended using the turntable extension set 6153 right up to the complete 48 exits.

The "thinking" turntable: using the switch 6910, will determine the rotation direction in order to access the desired exit. The power feed is activated within the turning bridge. The power to the track exit with which the turntable is lined up, either left or right, can be fed with power using the switch 6910. All other track exits remain isolated (even those opposite each other). A maximum of 48 track exits can be controlled and electrically operated without the need for any additional wiring. **RRP € 379,00**



6153

Extension set for the PROFI-track turntable 6152 C. For 2-rail operation with nickel silver tracks. RRP € 26,50



The "thinking" turntable:







6154 C

Electrically Operated Turntable and switchable track exits with nickel silver track. Length of the turning bridge: 183 mm. Suitable for PROFI track and other nickel silver track systems. With turntable switch 6910.

The turntable is prototypically mounted in a recess and fitted with accurate details. As delivered, there are 6 exit tracks and 4 overrun ends. The exit tracks can be unclipped and repositioned as desired, or extended using the turntable extension set 6155 right up to the complete 24 exits. **The "thinking" turntable:** using the switch 6910, will determine the rotation direction in order to access the desired exit. The power feed is activated within the turning bridge.

The power to the track exit with which the turntable is lined up, either left or right, can be fed with power using the switch 6910. All other track exits remain isolated (even those opposite each other). A maximum of 48 track exits can be controlled and electrically operated without the need for any additional wiring. **RRP € 349,00**



6155 Extension set for the smaller turntable 6154. The set contains 3 exit tracks and 3 over-run ends.

RRP € 19,50





* Märklin is a registered trademark of the company of Gebr. Märklin & Cie. GmbH, Göppingen.

6915

Turntable Controller with track pre-selection.

The modern turntable controller is suitable to operate the FLEISCHMANN turntables and for the Märklin* turntable , Art.-Nr. 7286. An LCD display shows the position of the turntable bridge, the installation of every active track exit and additional functions. Symbols of the funcions make it easy to opeate. each track exit is directly controllable. Rotating the turntable through 360° is also protected agianst short circuit. No alterations are required to be made to the turntables.

RRP € 199,00

6437

Transitional rail joiner.

To connect HO tracks with a 2,5 mm rail profile height with tracks having a 2,1 mm rail profile height.

By simply removing the factory mounted rail joiner and exchanging it for the 6437 joiner, the turntable 6154 and its track exiits 6155 can be connected to tracks with 2,1 mm rail profile height.

RRP € 6,40



6476

Loco Roundhouse (kit).

Suitable for use with the turntables 6152 C and 6154 C. 3 loco stalls set at 7,5° angles with 8 opening doors. Outstandingly detailed plastic parts, loads of individual parts for individual decoration. The doors are operated by locos leaving and entering the shed. One set of doors is set at the rear of the shed to run straight through if desired. Several roundhouse kits can be set up alongside each other to make up a large shed.



Tip for modelmakers! Light leader accessory No. 6459 will fit into the loco shed 6476.

RRP € 104,00



6197

Ungated level crossing for PROFI track. With rerailing section and 2 warning crosses. Track length: 100 mm. RRP € 12,25



6199

Reverse loop set to easily cope with the problem of reverse loops.

Consisting of isolating rail joiners, and two directional track sections, each 100 mm long, in the form of ungated level crossings. Not suitable for digital operations. RRP € 33,20

9921

Track stencil for Fleischmann PROFI-track. An absolutely essential aid for individual layout planning. Transparent, yellow plastic, scale 1 : 10. RRP € 16,60

6200

Semaphore Distant Signal. With electric, double spool action (end-off switching) and train control.

Prototypical moving signal disc and light change. Finely detailed height of mast approx. 60mm, with two fixing holes. RRP € 55,50

6205

Single-arm, semaphore main signal.

With electric, double spool action (end-off switching) and train control. Prototypical moving signal arm and light change red/ green. Finely detailed. height of mast approx. 110 mm, with two fixing holes. RRP € 51,90

6206

RRP € 81,50

Double-arm, semaphore main signal.

With electric, double spool action (end-off switching) and train control. Prototypical moving yellow lights. signal arm and light change red/ green. Finely detailed. height of mast approx. 110 mm, with two fixing holes.

6221

Colour light distant signal.

Mounted on a screw-down base, with three connecting wires, for two green and two Mast height: approx. 64 mm.

RRP € 35,30

6226

Colour light main signal.

Mounted on a screw-down base, with three connecting wires, for green and red lights. Mast height: approx. 91 mm. RRP € 35,70



To connect up the automatic train control for our semaphore signals all that is required is two single The colour light signals can be controlled by either of the switpole feed clips 6431, two single pole feed wires 9401 as well as two isolating rail joiners 6433. (Examples and hints are shown in the leaflet accompanying the signals.)

ches 6901 and 6921, as well as the relay 6955 or even by the "thinking points".

117

6434

"Click" Metal rail joiner for PROFI track sec-

tions. (20 pieces). To join tracks both mechanically and electrically. Not suitable for flexible track 6106 (use 6436). RRP € 6,10



6437

Transitional rail joiner. To connect HO tracks with a 2,5 mm rail profile height with tracks having a 2,1 mm rail profile height. RRP € 6,40



6479 Ballast scatter material for H0 track beds (150 g). To ballast the track beds. RRP € 4,40



6431 Track Feed Clip (1-pole). The track feed clips can only be clipped in at the joints where two rails meet. The single feed is for isolating sections or signal control sections. RRP € 3,00



6435 Magnetically operated reed contact switch. To operate points, relays, etc. with a momentary impulse as the train passes above. Use in conjunction magnets 942601 and 942701 fastened to the train. RRP € 16,40



6518 Spare brushes and springs. pair of round brushes with springs. RRP € 3,00



6599 FLEISCHMANN lubricating oil. For lubricating all vehicles. RRP € 6,40



Metal rail ioiner.

Can be used to join the flexible track, 6106/6109, or Fleischmann trackwork to other track systems. RRP € 6.10

6410

6436

Track fixing screws (into wood) (1 Gross = 144 screws). For fixing tracks, rack rails, signals, relays and switches.

THEFTEREESE

9479 Track ballast. Finely grained ballast scatter to go between tracks. RRP € 5,60

Connecting wires with flat contact springs. Single pole connecting wires and clips for train control operation of semaphore signals.

RRP € 3,30

Switching Magnet. To activate the switch contacts 6435. To fix onto the underside of vehicles. Surface area 7x7 mm, height 5 mm. RRP € 2,80

RUUMAN 📾 6519 tinning @ Spare brushes and springs. RRP € 3.00



6433 Isolating rail joiner (12 pieces). To

electrically isolate section of track. The mechanical connection of the tracks is maintained, whilst the electricity is cut off. Can be used on any part of the layout. RRP € 3,80

9409

Track Fixing Nail. Nail length approx. 7 mm (approx. 500 pieces) in a plastic container.

RRP € 5,60



6430

Track Feed Clips (2-pole). Track feed clips can only be clipped onto the track at each joint where the tracks meet. To save using a feed track. RRP € 4,50

6432

Switch contact rail, single pole. For automatic

impulse switching of points, signals, etc. activated by the passage of the loco. Can be inserted anywhere in the layout. RRP € 4,50



942701

Switch magnet, round. Ø 5 mm, height 3 mm. For fixing to the underside of vehicles to activate the switch contacts 6435. RRP € 2,80



6595 Track cleaning rubber. For manually cleaning the rail surfaces and wheels. RRP € 10.20



6480 Railer for locos and wagons. RRP € 4,40



RRP € 10,70

9401

942601





6482

Unloading hopper for automatic mineral unloading.

Suitable for the self-unloading hopper (with operating doors), consisting of approach ramp, unloading hopper.

The unit is only operated by the loco pushing the trucks through. The loco cannot run through.

RRP € 23,30



1457

AC centre rail pick-up shoe for double-deck coaches. The AC centre rail pick-up shoe collects the current to illuminate the interior light unit 6460 on all double-deck coaches. RRP € 11.30



1458

AC centre rail pick-up shoe. The AC centre rail pick-up shoe collects the current to illuminate the interior light of 4-axled coaches. RRP € 12,20



6561 Exchange wheel set for AC operation.

Not isolated!. To convert all FLEISCHMANN 4-axled wagons with spoked wheels (except wagons which should be fitted with 6560) for use on 3-rail, centre pick up AC voltage tracks. Axle length: 25 mm. **RRP € 2,20**



6562 Exchange spoke wheel set for AC operation.

Not isolated!. To convert FLEISCHMANN coaches with spoked wheels for use on 3-rail, centre pick up AC voltage tracks. Axle length: 23.5 mm. **RRP \notin 2,80**



1459 AC centre rail pick-up shoe.

The AC centre rail pick-up shoe collects the current to illuminate the interior light unit for 4-axled coaches with a length of 282 mm. **RRP € 9,60**

6560

Exchange wheel set for AC operation.

Not isolated!. To convert all 2- and 3-axled FLEISCHMANN wagons fitted with disc wheels, as well as all 4-axled wagons with a length of 282 mm, and additional coaches, such as 5630 - 35/5740 - 45 and several goods wagons for use on 3-rail, centre pick up AC voltage tracks. Axle length: 24 mm. **RRP € 2,20**



6563

Exchange double spoke wheel set for AC operation.

Not isolated!. To convert all FLEISCHMANN goods wagons (excpet 5285) fitted with spoked wheels for use on 3-rail, centre pick up AC voltage tracks. Axle length: 24 mm. **RRP € 2,80**





Interior lighting unit for passenger coaches of length 244 mm. Current consumption approx. 50 mA. RRP € 20,00



6452 Interior lighting unit. RRP € 25,00



For passenger coaches of length 264 mm RRP € 20,50



6465 Interior lighting unit. For models 5060,5760 and 576001. RRP € 11,70



Interior lighting unit for passenger coaches. RRP € 28,30



6447 Interior lighting unit. RRP € 11,60



Interior lighting unit. For passenger coaches of length 282 mm and for Art. 5654. RRP € 25,00



Light leader accessory. Tip for modelmakers: No. 6459 fits also into the loco shed 6476. RRP € 11,00







00006530 Spare bulb, clear. 14 V, with screw fitting, E 5. **RRP € 2.50**



00006533 Spare bulb, green. 14 V, with push-in fitting, Ø 3 mm.. **RRP € 3,30**



14 V, with push-in fitting, Ø 5 mm.. RRP € 2,90



00006534 Spare bulb, yellow. 14 V, with push-in fitting, Ø 3 mm.. **RRP € 3,30**

00009530 Interior lighting bulb. With 2 connecting wires. RRP € 3.30



00006538 Spare bulb, clear. 8 V, with push-in fitting, Ø 3 mm. RRP € 3,30

00006536

Spare bulb - clear.

With leads, Ø 3 mm.

RRP € 6,20





00006532 Spare bulb, red. 14 V, with push-in fitting, Ø 3 mm.. **RRP € 3,30**

AL.		

00006535 Spare bulb - clear. With bayonet fixing, Ø 3 mm. **RRP € 3,30**

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00009531 Spare bulb - red. With bayonet fixing, Ø 3 mm. RRP € 4,00

For simultaneous operation of both digital- and traditional D. C. vehicles, the bulbs of the D. C. vehicles should be replaced by the corresponding higher voltage bulbs for digital operation.

Clip-in couplings



6515 FLEISCHMANN "swallow tail", clip-in PROFI coupling.

For vehicles with NEM 362 coupling socket. RRP € 1,50



6509 FLEISCHMANN "swallow-tail" plug-in coupling. For vehicles with NEM 362 coupling socket without close-coupling. RRP € 1,60

386515

FLEISCHMANN-PROFI "swallow-tail" clip-in coupling (bulk pack). For NEM 362 coupling socket. Contents 50 pieces 6515. RRP € 43,90

6510

RRP € 1,60

with close-coupling.

FLEISCHMANN "swallow-tail" clip-in coupling. For vehicles with NEM 362 coupling socket,



6514 Fleischmann "swallow tail", clip-in

PROFI coupling. For use on rack and pinion locos and coaches with close-coupling on on rack track. Shorter uncoupler pin so that it does not foul the central rack. RRP € 2,20



RRP € 1,60

"Swallow tail", clip-in exchange coupling. For vehicles with NEM 362 coupling socket.

Slot couplings



6516 FLEISCHMANN PROFI, rivet and slot coupling. RRP € 1.60



386516 FLEISCHMANN-PROFI "swallow-tail" clip-in coupling (bulk pack). Contents 50 pieces 6516.

RRP € 47,30

6526

6520 FLEISCHMANN coupling with rivet and slot fitting. RRP € 1,60



Exchange coupling with rivet and slot fitting. RRP € 2.20



6528 Spare coupling with rivet and slot fitting. For vehicles as per 6526/6527. RRP € 2.20



Spare coupling with rivet and slot fitting. For locos: 4232, 4234, 4350, 4380, 4381, 4933 (1. Series). RRP € 2,60



6527

Spare coupling with rivet and slot fitting. RRP € 2,70



Button couplings



6517 FLEISCHMANN PROFI lug-fitting coupling. RRP € 1,90



FLEISCHMANN coupling with lug fitting. RRP € 1,60



6524 Exchange coupling with lug fitting. RRP € 2,30



6570 PROFI coupling head. To slide onto the coupling mounting 6575 and 6576 and adapter 6572. Adjustable

coupling height. RRP € 1,70



6579

Height mounting guide for PROFI coupling head 6570.

Using this height guide, the coupling head 6570 fited to the mountings 6572, 6574, 6575 and 6576 can be set to the correct height. RRP € 3,90



6572

Adapter for PROFI coupling head 6570 (adjustable height). Suitable for all vehicles fitted with slot coupling 6516 or 6520. RRP € 1,20



RRP € 1,00

6575 **Coupling mounting for PROFI** coupling head 6570. For ROCO vehicles fitted with coupling 40273.



6576 Coupling mounting for PROFI coupling head 6570.

For fitting to older ROCO vehicles. RRP € 1,00



6522 Coupling centre spring. To automatically realign the coupling into the central position. Only for vehicles without close-coupling mechanism. RRP € 0,80



6574 Close-coupling conversion set. To fit to older wagons which do not have closecoupling.2 per pack, including the coupling head 6570 (adjustable height). RRP € 11,90



6578 Distance guide. To install the close-coupling set 6574. RRP € 4,20



HO

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6940

Distributor box. 2 pole for 10 connections each side.





6941

Connection box. To extend and connect up to 10 wires.

RRP € 10,60



Slow-down resistance. To automatically slow down the trains, for example on the approach to a red signal. Settable resistance from 10 to 35 Ω using the sliding regulator. Not suitable for use on digital layouts.

RRP € 17,90

6950

Track diode. The track diode bridges over isolating connections in just one direction (for running though signaled sections in the opposite direction) or protecting the ends of hidden sidings. Not suitable for use with digital layouts. RRP € 9,90

6955



Universal relay. 2 separate banks of switches (i.e for automatic switching of light signals, train control, etc. Current output 3 A at 25 V per switch contact.

RRP € 40,30



The Fleischmann finger tip control panel

Simple to plug together, clear indication panels.

A robust control panel of Fleischmann switches to make up a model railway signal box. All switches have indicator panels (e. g. to number the points) and are clearly marked to indicate their function. Simple for the model railway beginner to connect up. Dimensions approx.: length 60 mm x width 33 mm x height 34 mm.



6920

6921

Signal switch.

RRP € 15.50

without electric motor.

Point switch. To operate two points, or two double slips. RRP € 13,60

With train control - to operate colour light signals



6922 Impulse switch. To operate four uncouplers. RRP € 13,80

6923 On / off switch. For example to turn power on/ off to circuits, isolated sections or lighting, etc.

RRP € 13.80



6924 Reverse switch. To reverse the direction of running. RRP € 15,70



6925 Three-way point switch. To operate a three-way point. RRP € 17,20



6927 Signal switch. To operate single-arm semaphore signals. RRP € 13,90



6928 Signal switch. To operate double-arm semaphore signals. RRP € 14,40

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Track-diagram control panel

- dependable and simple to use. The point switches are put into the track diagram in exactly the same position as on the layout, all the signals, isolating sections, even the turntable can be reliably controlled. The build up method is childishly simple. All pieces are ready to screw down.



6900

Point switch. To operate one electric point. RRP € 12,00



6901 Signal switch..

With train control for colour light signals without electric motor RRP € 16,20



6902

Impulse switch. For operating uncoupler tracks, or momentary power feed to isolated sections. RRP € 9,30



6903 On / off switch.

To turn power on / off to circuits, isolated sections, lighting, etc. RRP € 10.20



6904 Reversing switch. For example to alter the running direction.

RRP € 13,50



6905

Momentary reversing switch. For example in reversing loops. RRP € 14,40



6907 Signal switch. To operate single-arm semaphore signal, with electric motor. RRP € 14,60





6908

Turntable switch. To operate the electric turntables with electrically

Three-way point switch.

To operate a three-way point.

RRP € 36.20

switchable track exits.



Track symbols. Contents; 10 track symbols with securing feet. RRP € 17,60



6912 Point symbol. Symbol for manual point. RRP € 2,90

6911



6913 Crossing symbol. For crossovers 15° or 30°. RRP € 2,90



6914 Turntable symbol. RRP € 5,90



6918 Signal switch. To operate double-arm semaphore signals with electric motor. RRP € 16,40

Please select one of the following transformers or controllers most suited to your model layout:

- The controller set 6725 is best suited to smaller layouts, with just one loco, a few wagons, points and signals. (The current requirements of this set should not exceed 850 mA, otherwise the larger transformer 6706 should be used.)
- For a layout with illuminated coaches and lights on the layout, then the transformer 6735 would be our recommendation.
- For a larger layout with several locos, illuminated coaches and quantity of illuminated accesories, then the transformer
 6755 would be the best choice.
- A light transformer 6706, can be used in addition, if you plan to have a large number of points, street lights or similar accessories.

As a general rule: The current consumption of all of the locos, points and lighting which you wish to use, should not be more than that of the power output of the selected transformer, otherwise it can be overloaded and switch itself off, or the accessories (i.e. point motors) will not function properly.





6706 Light transformer for high performance.

14V~/3,2A constant AC supply for lighting and electrically operated accessories.

This transformer is a powerful source for feeding electrically operated accessories, i.e. signals, point motors, relays, lighting and other similar items. It is protected against overload by an inbuilt thermo switch.

Easy connection to the layout by using the practical pressure clips.

RRP € 85,00

6725 Controller set.

14 V=/0,6 A (600 mA) controllable DC power for track feed. Separate output for lighting or signals and point motor connections. Maximum power rating 850 mA.

This controller set is best suited for beginners and running just one train. It consists of one controller 6720 and plug-in transformer 6710, designed to compliment each other. The controller gives a definite forwards and backwards control and speed settings. The control knob clicks gently into a zero position. Automatic overload protection. easy connection to the layout using the pressure connection clips.

RRP € 63,50



FLEISCHMANN

MSF-TRAFO 6735

14 V=/0,55 A (550 mA) controllable DC power for track feed. 14V \sim /0,5A (500 mA) constant AC power for lighting, signals and point motors.

This controller / transformer guarantees good running qualities with its multisensible speed controller and definite forwards and backwards control. Automatische overload protection. The controller gives a definite forwards and backwards control and speed settings. The control knob clicks gently into a zero position. Automatic overload protection. easy connection to the layout using the pressure connection clips.

RRP € 74,90



6755 "MSF" controller / transformer.

15V=/1,1 A (1100 mA) controllable DC power for track feed. 14V~/1 A (1000 mA) constant AC power for lighting, signals or point motors.

The ideal large transformer for all requirements. Extremely powerful, with a short circuit indicator light for both track feed and AC feed. With multisensible speed controller and definite forwards and backwards control. Automatische overload protection. The controller gives a definite forwards and backwards control and speed settings. The control knob clicks gently into a zero position. Automatic overload protection. easy connection to the layout using the pressure connection clips. **RRP € 99,90**





680201

Upgrade version 2.00 for Twin-Centre 6802.

Current upgrade for the control centre Twin-Centre (6802) on CD-ROM (possible to assign 12 control keys, and many more functions, incl. update 1.10) RRP €19,95



687301 DCC-Decoder with integrated 6-pin plug with out connecting wires. For DCC operation as per NMRA standards. For locos with a 6-pin NEM 651 decoder socket. Maximum load: 1800 mA. Size: (max.): 16,3 x 9,5 x 3,4 mm. RRP € 38,20



686401

Function decoder (for DC or digital operation).

The function decoder 686401 is a decoder designed merely for switching of functions on and off on a DCC system, for example, lights. It has not motor connection and can be installed in ordinary coaches, or similarly a control cab coach, to change the headlights or simply to turn the interior lighting on or off. It will even work on standard DC layouts to change the lights prototypically. The decoder has 4 outputs of which two are for the white/red light changeover. Two additional outputs can be activated by functions f1 or f2 of the controller. These allocations can be changed as desired. Each output can cope with a load of 200mA. The brightness of each output can be set individually (dimmed), or can be used to operate flashing lights.

RRP € 13,90



687401 DCC-Decoder with 6-pin plug. For DCC operation as per NMRA standards. For locos with a 6-pin NEM 651 decoder socket. Maximum load: 1800 mA. Length of connecting wires: approx. 80 mm. Size: (max.): 16,3 x 9,5 x 3,4 mm. RRP € 43,30



69687401 DCC-Decoder without plug. One 6-pole plug and one

8-pole plug are included. For DCC operation as per NMRA standards. With 11 connecting wires to convert DC locos to digital operation. Fitting is recommended by a specialist dealer. Maximum load: 1800 mA. Length of connecting wires: approx 150 mm. Size: (max.): 16,3 × 9,5 × 3,4 mm. RRP € 46,90



687501 DCC-Decoder with 8-pin plug. For DCC operation as per NMRA standards. For locos with an 8-pin NEM 652 decoder socket. Maximum load: 1800 mA.

length of connecting wires: approx 80 mm. Size: (max.): 16,3 x 9,5 x 3,4 mm.

RRP € 43,30

Practical for "pure" digital model railway operation: The reset functions have been extended and the protection improved. All ouputs are protected against short circuit by switching off, as well as being protected against overheating.

686702

€ 189,00

The new *multi*ZENTRALEPRO

All the central control a model railway needs

The central control unit is the heart of any digitally-controlled model railway. This is where all information arrives, is processed and is passed on. In creating this unit, Fleischmann's development team has taken a somewhat different approach, rather than just developing another run-of-the-mill control unit: it wanted this one to be small and flexible. The result was the *multiZ*ENTRALE^{PRO}.

The new *multiZ*ENTRALEPRO is a full-scale central control unit for your model railway. As opposed to other central control units, it gives you complete freedom to move around when used together with a *multi*MAUS or the brand new *multi-*MAUS^{PRO}. Its many new functions, including the ability to read out decoder data, many connection options for additional locomotive controls or *multi*MAUSes and a separate feedback bus, show that all kinds of sophisticated control tasks in your model railway setup can be carried out easily and economically by this new central control unit.

A USB port provides a simple interface to the world of PCs, not only for installing future updates, but above all for connection to the Rocomotion PC software supplied along with this set.

- Wireless central control
 unit for use with several multiMAUSesPRO
- · Built-in antenna
- **3 RocoNet slave ports** for connecting cable-bound locomotive controls and *multi*MAUSes^{PRO}.
- Outputs for programming and main track. Switched over automatically when the *multi*MAUS programming menu is called up.
- Short-circuit-proof main track output.

Output current of up to 3.2 A, integrated overheating protection and current-limiter.



- LED status indicators. Keep an eye on things at a glance.
- Data read-out capability.

Used in conjunction with a *multi*MAUS and the new *multi*MAUS^{PRO}, the unit can read out and modify the data of your DCC decoders.

- Separate feed-back bus. For connecting up the ROCO feed back module 10787.
- USB port.

Greater comfort thanks to direct contact to a PC, especially when used in conjunction with the Rocomotion PC software included in the package.

The new multiMAUSPRO

The new standard in model railway controls

Since its market launch a few years ago, *multi*MAUS has become a standard for digitally-controlled model railways. Its ease of use, attractive price and, last but not least, its ergonomic shape have already won the hearts of many model railway fans.

Now Fleischmann is setting a new standard with *multi*MAUS^{PRO}. This unique combination of cutting-edge wireless communications and the newly-developed *multi*ZENTRALE^{PRO} control unit shows how seriously Fleischmann's development team takes its customers' needs. Simply follow your train without losing control of the rest of your layout or of the other trains running on it. Use the new route controls to define routes more or less as you travel by. Drive a model double-heading train, just like the real thing, while looking at it directly and without having to remain seated at the central controls.

The handy *multi*MAUS format has been retained, together with the simple, and an intuitive user interface. And you know that you will be able to use it for many years to come thanks to its update compatibility.

- Off-the-shelf batteries or accumulators (3xAAA)
- Long battery life thanks to energy-saving mode



Low-battery warning

Greater flexibility – no need to bother about cable lengths.





Wireless in accordance with digital communications **Extensive effective radius**The digital communications standard ensures a good connection to your *multi*ZENTRALE^{PRO} at all times. standard IEEE 802.15.4

- **Double-heading:** Simultaneous control of two locomotives pulling the same train.
- Routing control: Miniature layout mimic diagram in your multiMAUSPRO.
- Controls for up to 9999 locomotives, 2048 turn-outs and solenoid-operated articles
- Single-handed operation, for both right-handed and lefthanded people
- Ergonomic for both young and old
- Clearly legible display
- Brightness control for display background illumination

HO

Explanation of symbols



Epoch-classifications

Ep 🚺	
BBII K Bur Sn. B JAANFEEE PROVE UNS	Vehicles with colors and lettering of the national and private railroad era, approx. 1870 to 1920
Ep II	
Lender Bechlahr E 71 33 Beleven V	Vehicles from the period after the major national railroad networks were built (DRG, DBÖ, SBB, etc.) approx. 1920 to 1945.
Ep III	
E41004	Fifties and Sixties vehicles on Europe's rails with corresponding lettering, approx. 1945 to 1968.
Ep IV	
III 189-7	Vehicles with computer-compatible UIC lettering, from approx. 1968 to 1985.
Ep V	
DB 111 068 - 3	Vehicles of the most recent period in current color design, from approx. 1985 (since 1994 with DB-AG logo).
Ep VI	
	Locomotives and cars are now (2007 -) marked by a 12-digit UIC number.

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PRICES The prices specified in this catalogue are the manufacturer's suggested retail prices at the time the catalogue went to press. We explicitly reserve the right to make price adjustments at any time.

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5127	79	5633	73	6152	114
5128	79	5634	73	6153	114
5129	79	5635	73	6154	115
5150	60	5638	73	6155	115
5151	60	5664	81	6157	112
5152	60	5665	81	6160	112
5155	61	5666	81	6162	112
5156	61	5675	71	6163	112
5203	89	5676	71	6164	112
5204	89	5677	71	6165	112
	00	5678	69	6170	110
5211	89	0010			
5211 5256	89	5679	70	6171	110
					110 111

Where to find?

6178	111	6510 122	6902 125	401002 31	414302 34	521102 103	538282 96	580908 88
6179	111	6511 122	6903 125	401003 47	414303 29	521201 86	539701 104	581001 54
6190	113	6514 122	6904 125	401004 47	414371 28	521202 86	542402 96	581002 54
6191	113	6515 122	6905 125	401005 47	414372 34	521204 86	542605 102	581003 54
6192	113	6516 122	6906 125	403203 23	414373 29	521205 103	542609 103	581004 54
6193	113	6517 122	6907 125	403204 49	414401 41	521301 104	543702 105	581005 55
6194	113	6518 118	6908 125	403401 44	414402 28	521502 105	543703 101	581006 55
6197	116	6519 118	6910 125	405501 26	414404 27	521601 98	543704 92	581007 55
6199	116	6520 122	6911 125	405502 25	415901 49	521602 104	543705 92	581008 87
6200	117	6521 122	6912 125	405503 32	415971 49	521603 105	543706 92	581103 30
6205	117	6522 122	6913 125	406501 42	417171 29	521604 94	544501 101	591301 103
6206	117	6523 122	6914 125	407001 46	431901 45	522301 99	544502 96	619501 113
6221	117	6524 122	6915 115	407801 37	480901 24	522501 99	544902 93	631001 20
6226	117	6526 122	6918 125	408601 42	481001 24	523601 94	547202 102	631004 21
6330	20	6527 122	6920 124	408602 50	481103 30	523603 87	550503 100	631081 17
6336	21	6528 122	6921 124	408603 49	503301 101	523604 88	563001 84	631082 18
6410	118	00006530 121	6922 124	408604 48	503304 100	523606 97	563601 61	631102 19
6412	108	00006531 121	6923 124	408605 34	505201 84	523607 88	564101 76	631181 16
6430	118	00006532 121	6924 124	408606 39	505701 57	523901 99	564201 76	644020 113
6431	118	00006533 121	6925 124	408675 34	505801 57	525601 104	564202 76	644110 113
6432	118	00006534 121	6927 124	409201 36	505901 57	526001 98	567504 80	644210 113
6433	118	00006535 121	6928 124	409401 31	506011 57	526402 97	567616 83	649501 97, 119
6434	118	00006536 121	6940 124	409402 23	506101 85	526502 97	567619 82	680201 127
6435	118	00006538 121	6941 124	409403 48	506111 58	526602 97	567620 62	686401 127
6436	118	00006539 121	6950 124	409404 48	506210 85	528504 101	567621 80	686702 128
6437	115, 118	6560 119	6954 124	409801 43	506211 58	530004 103	567701 82	686703 129
6438	113	6561 119	6955 124	409802 23	506301 85	530601 93	567702 83	687301 127
6444	108	6562 119	9401 118	410301 43	506311 58	530802 93	567703 62	687401 127
6445	120	6563 119	9409 118	410302 33	506411 58	530901 102	567704 80	687501 127
6447	120	6570 122	9479 118	410371 43	506901 84	530902 89	567705 72	825130 82
6452	120	6572 122	00009530 121	410372 33	507301 67	531001 100	567706 62	825138 83
6454	120	6574 122	00009531 121	410701 39	507701 68	533001 102	568301 71	825139 83
6455	120	6575 122	9921 116	410771 39	509001 54	534144 102	568601 84	942601 118
6458	120	6576 122	74046 25	411301 50	509101 54	534601 96	569101 70	942701 118
6459	120	6578 122	74117 26	411501 32	509201 52	534602 100	576001 93	69687401 127
6465	120	6579 122	386515 122	411701 45	509301 52	534603 96	576501 63	
6469	120	6595 118	386516 122	411702 46	509601 77	534801 104	576601 63	
6476	116	6599 118	390901 24	411704 33	509701 77	534802 90	576901 63	
6479			391002 31	411901 40			577901 64	
6480	118	6725 126	393203 23	411971 27	512901 80	535203 95	578703 99	
6482	119	6735 126	394371 28	412202 35	515101 82	536201 91	580901 52	
6485	119	6755 126		413601 41	515302 60			
6486		6900 125		413671 41	520001 101			
6509	122	6901 125	399402 23	414301 28	520002 103	538281 87	580904 53	

Important spare and additional parts for locomotives

item no	traction tyres	Brushes/springs	Bulb	Profi-coupling	Hook coupling	AC- coupling	Replacement motor	Decoder	Centre pick-up shoe	item no	traction tyres	Brushes/springs	Bulb	Profi-coupling	Hook coupling	AC- coupling	Replacement motor	Decoder	Centre pick-up shoe
Steam loo	omotives									Steam loc	omotives								_
4046	00544009	6518	LED	6515	6510	6511	00504046	687401	-	413701	00544007	*	LED	6515	6510	6511	*	*	-
4055	00544006	Maintenance-free	LED	6515	6510	6511	00504055	687301	-	414301	00544007	Maintenance-free	00006535	6515	6510	6511	00504103	687401	-
4070	-	6518	00006535	6515	6510	6511	00504071	687401	-	414302	00544007	Maintenance-free	00006535	6515	6510	6511	00504103	687401	-
4081	00544007	6518	LED	6515	6510	6511	00504081	687401	-	414303	00544007	Maintenance-free	LED	6515	6510	6511	00504103	687401	-
4117	00544007	Maintenance-free	00006535	6515	6510	6511	00504138	687401	-	414401	00544007	6518	LED	6515	6510	6511	50414401	687401	-
4118	00544007	Maintenance-free	00006538	6515	6510	6511	00504118	687401	-	414402	00544007	6518	LED	6515	6510	6511	50414401	687401	-
4119	00544007	Maintenance-free	00006538	6515	6510	6511	00504118	687401	-	414404	00544007	6518	LED	6515	6510	6511	50414401	687401	-
401002	-	6518	00006535	6515	6510	6511	00504011	687401	-	415901	00544007	*	00006535	6515	6510	6511	*	*	-
401003	-	6518	00006535	6515	6510	6511	00504011	687401	-	Sound loc	omotives								
401004	-	6518	00006535	6515	6510	6511	00504011	687401	-	74046	00544009	6518	LED	6515	6510	6511	00504046	ESU LS 3.0	-
401005	-	6518	00006535	6515	6510	6511	00504011	687401	-	74117	00544007	Maintenance-free	00006535	6515	6510	6511	00504138	ESU LS 3.5	-
403203	00544006	6518	00006535	6515	6510	6511	00504030	687401	-	408675	00544006	6519	00006535	6515	6510	6511	41408671	ESU LS 3.5	-
403204	00544006	6518	00006535	6515	6510	6511	00504030	687401	-	410371	00544007	Maintenance-free	00006535	6515	6510	6511	00504103	ESU LS 3.5	-
405501	00544006	Maintenance-free	LED	6515	6510	6511	00504055	687301	-	410372	00544007	Maintenance-free	00006535	6515	6510	6511	00504103	ESU LS 3.5	-
405502	00544006	Maintenance-free	LED	6515	6510	6511	00504055	687301	-	410771	00544007	Maintenance-free	00006535	6515	6510	6511	00504103	ESU LS 3.5	-
405503	00544006	Maintenance-free	LED	6515	6510	6511	00504055	687301	-	411971	00544007	Maintenance-free	00006538	6515	6510	6511	00504118	ESU LS 3.5	-
405504	00544006	Maintenance-free	LED	6515	6510	6511	00504055	687301	-	413671	00544007	Maintenance-free	LED	6515	6510	6511	00504103	ESU LS 3.5	-
406501	00544009	6519	00006535	6515	6510	6511	04040561	687401	-	413771	00544007	*	LED	6515	6510	6511	*	*	-
407001	-	*	00006535	6515	6510	6511	*	*	-	414372	00544007	Maintenance-free	00006535	6515	6510	6511	00504103	ESU LS 3.5	-
407801	00544009	*	00006535	6515	6510	6511	*	*	-	414373	00544007	Maintenance-free	00006535	6515	6510	6511	00504103	ESU LS 3.5	-
408601	00544006	6519	00006535	6515	6510	6511	41408601	687301	-	415971	00544007	*	00006535	6515	6510	6511	*	*	-
408602	00544006	6519	00006535	6515	6510	6511	41408602	687401	-	417171	00544007	6519	00006535	6515	6510	6511	50417171	ESU LS 3.5	-
408603	00544006	6519	00006535	6515	6510	6511	41408603	687401	-	Ellok	1	1			1		1		
408604	00544006	6519	00006535	6515	6510	6511	41408604	687401	-	431901	00544009	Maintenance-free	00006538	6515	6510	6511	00504103	687501	-
408605	00544006	6519	00006535	6515	6510	6511	41408605	687401	-	AC locom	otives	1			1		1		
408606	00544006	6519	00006535	6515	6510	6511	41408606	687401	-	391002	00544007	6518	00006535	6515	6510	6511	00504011	-	00692024
409201	00544006	*	00006530	6515	6510	6511	*	*	-	393203	00544006	6518	00006535	6515	6510	6511	00504030	-	00692022
409401	00544006	*	00006530	6515	6510	6511	*	*	-	394373	00544007	Maintenance-free	00006535	6515	6510	6511	00504103	-	*
409402	00544006	*	00006530	6515	6510	6511	*	*	-	399401	00544006	6519	00006530	6515	6510	6511	40399401	-	00692023
409403	00544006	*	00006530	6515	6510	6511	*	*	-	399402	0000544006	6519	00006530	6515	6510	6511	40399402	-	00692023
409404	00544006	*	00006530	6515	6510	6511	*	*	-			1							
409801	-	6519	75409801	6515	6510	6511	40409801	687401	-	Exchange	bulbs								-
409802	-	6519	75409802	6515	6510	6511	40409802	687401	-				analogue	00006530		Digital	00066530		
410301	00544007	Maintenance-free	00006535	6515	6510	6511	00504103	687401	-				analogue	00006531		Digital	00066531		
410302	00544007	Maintenance-free	00006535	6515	6510	6511	00504103	687401	-				analogue	00006532		Digital	00066532		
410701	00544007	Maintenance-free	00006535	6515	6510	6511	00504103	687401	-				analogue	00006533		Digital	00066533		
411301	00544007	Maintenance-free	00006535	6515	6510	6511	00504113	687401	-				analogue	00006534		Digital	00066534		
411501	-	6518	00006535	6515	6510	6511	00504011	687401	-				analogue	00006535		Digital	00066535		
411701	00544007	Maintenance-free	00006535	6515	6510	6511	00504138	687401	-				analogue	00006536		Digital	00066536		
411702	00544007	Maintenance-free	00006535	6515	6510	6511	00504138	687401	-				analogue	00009530		Digital	00069530		
411901	00544007	Maintenance-free	00006538	6515	6510	6511	00504118	687401	-				analogue	00009531		Digital	00066532		
412202	00544007	Maintenance-free	LED	6515	6510	6511	00504103	687401	-	Light cha	naina unit		analogue	6540		Digital	66540		
	00544007	Maintenance-free	00006535	6515	6510	6511	00504103	687401		-	for BR 111, 141	010	1		1	1	1	1	1

* = unknown at the time of going to press

Important spare and additional parts for coaches and wagons

				1	1				1									
item no	Interior lighting	Bulb	Tail lighting	Profi-coupling	Hook coupling	AC- coupling	DC wheels	AC wheels	Pick up shoe	item no	Interior lighting	Bulb	Tail lighting	Profi-coupling	Hook coupling	AC- coupling	DC wheels	AC wheels
Passenger coach			1.	1			1	1 -		Goods wagons						-		-
5051-5059	-	00006530	-	6515	6510	6511	00534012	6562	-	5203/5204	-	-	-	6515	6510	6511	00534019	6562
5061-5069	6496	00006535	-	6515	-	6511	00534003	6560	-	5211	-	-	-	6515	6510	6511	00534035	6563
5074	6447	00006530	-	6515	6510	6511	00534003	6560	-	5256-5261	-	-	-	6515	6510	6511	00534003	6560
5090-5092	6449	00006535	-	6515	-	6511	00534019	6562	-	5285	-	-	-	6515	6510	6511	00534051	-
5096-5099	6469	00006535	-	6515	6510	6511	00534003	6560	-	5300	-	-	-	6515	6510	6511	00534003	6560
5127-5129	6445	00009530	-	6515	6510	6511	00534009	6561	1458	5301	-	00006530	-	6516	6520	6523	00534003	6560
5150-5152	6445	00009530	-	6515	6510	6511	00534009	6561	1458	5319 / 5330 5353	-	-	-	6515 6515	6510 6510	6511 6511	00534003	6560
5155/5156	6445	00009530	-	6515	6510	6511	00534009	6561	-	5355 / 5360			-	6515	6510	6511	00534019	
5600-5609	6454	00009530	6451	6515	6510	6511	00534036	6560	1459	5366	-	-	-	6515	6510	6511	00534019	6562
5630-5638	6452	00006535	-	6515	6510	6511	00534003	6560	1458	5368 / 5369	-	-	-	6515	6510	6511	00534035	6563
5664	6463	00009530	-	6515	6510	6511	00534036	6560	692011	5382	-	-	-	6515	6510	6511	00534055	-
5665/5666	6454	00009530	-	6515	6510	6511	00534036	6560	1459	5397	-	-	-	6515	6510	6511	00534048	-
5675-5677	6452	00006535		6515	6510	6511	00534003	6560	1458	5423	-	-	-	6515	6510	6511	00534003	6560
5678-5691	6445	00009530	-	6515	6510	6511	00534009	6561	1458	5505 / 5506	-	-	-	6515	6510	6511	00534055	-
5741-5746	6452	00006535	-	6515	6510	1	00534003	6560	1458	5525	-	-	-	6515	6510	6511	00534036	6560
			-			6511				5568	-	-	-	6515	6510	6511	00534041	-
5797/5798	6452	00006535	-	6515	6510	6511	00534003	6560	1458	5568	Replacer	ment grinding o	lisc item n	00355569 6515	6510	0514	00504000	050
505201	-	00006530	-	6515	6510	6511	00534012	6562		520001/520002 521201-521205	-	-	-	6515	6510	6511 6511	00534003 00534035	6560
505701-505901	-	00006530	-	6515	6510	6511	00534012	6562		521301			-	6515	6510	6511	00534033	6560
506011	6465	0006530	-	6515	6510	6511	00534012	6560		521502-521604	-	-	-	6515	6510	6511	00534055	-
506101-506301	6469	00006535	-	6515	6510	6511	00534012	6560		522301	-	-	-	6515	6510	6511	00534003	6560
506901	6469	00006535	-	6515	6510	6511	00534012	6560		522501	-	-	-	6515	6510	6511	00534003	6560
507301/507701	6447	00006530	-	6515	6510	6511	00534003	6560	-	523601-523607	-	-	-	6515	6510	6511	00534055	-
509001-509301	6469	00006535	-	6515	6510	6511	00534019	6562		523901	-	-	-	6515	6510	6511	00534055	-
509601-509801	6469	00006535	-	6515	6510	6511	00534019	6560		525601	-	-	-	6515	6510	6511	00534055	-
512901	6445	00009530	-	6515	6510	6511	00534019	6561		526001-526602	-	-	-	6515	6510	6511	00534055	-
515101	6445	00009530	-	6515	6510	6511	00534009	6560	1458	530004	-	-	-	6515	6510	6511	00534055	-
515302	6445	00009530	-	6515	6510	6511	00534009	6560	1458	530601	-	-	-	6515	6510	6511	00534003	6560
563601	6452	00006535	-	6515	6510	6511	00534003	6560	1459	526001-526602	-	-	-	6515	6510	6511	00534055	-
564101-564202	6454	00009530	-	6515	6510	6511	00534036	6560	1459	530004-535203 536201	-	-	-	6515 6515	6510 6510	6511 6511	00534055 53414400	-
567619-567621	6452	00006535	-	6515	6510	6511	00534003	6560	1458	536702	-			6515	6510	6511	00534055	-
567701-567706	6452	00006535	-	6515	6510	6511	00534003	6560	1458	538281/538282	-	-	-	6515	6510	6511	00534055	-
568301	6445	00009530	-	6515	6510	6511	00534009	6561	1458	539701	-	-	-	6515	6510	6511	53419700	-
569101	6445	00009530	-	6515	6510	6511	00534009	6561		542402-550503	-	-	-	6515	6510	6511	00534055	-
576001	6465	00006535	-	6515	6510	6511	00534003	6560		578703	-	-	-	6515	6510	6511	00534111	-
576501-576901	6469	00006535	-	6515	6510	6511	00534003	6560										
	6445	00009530	-	6515	6510	6511	00534003	6561										
577901 581001-581008	6445	00009530	-	6515	6510	6511	00534009	6561	1458									

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