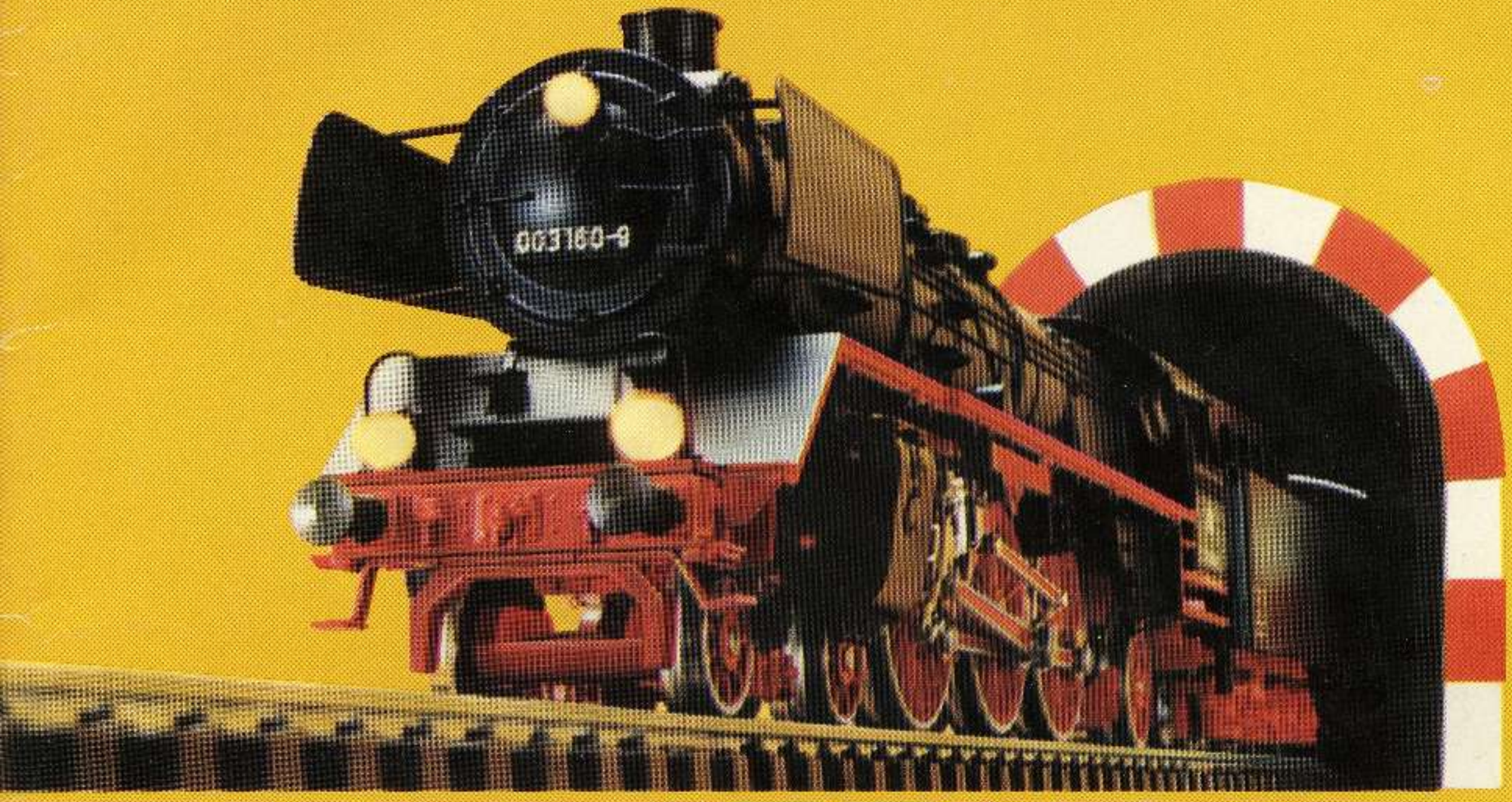


Märklin

1973 DI

Schutzgebühr DM 1.50

Märklin

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It is not possible for deliveries to be made direct from the factory to private individuals · We reserve the right to introduce modifications without prior notice. Orders will be executed subject to availability. The dimensions quoted are not guaranteed. This catalogue cancels all earlier issues.

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150 10 / 5

Märklin
mini-club

The smallest electric railroad in the world Scale 1:220

Märklin mini-club the big leisure time hit

Nothing like it has ever existed before. Never before has reality been presented in such fascinatingly small size and exciting detail. The track width of the smallest model railroad in the world is all of 6.5 mm ($^{17}/_{64}$"), its tank locomotive is hardly longer than a match. Mini-club will conjure up a wonder world on your table, all in full view, which you can reach from your armchair. No basement is required, no suite of rooms and you do not have to be a do-it-yourself fan either. The mini-club is a true leisure time hit and makes an exciting hobby into a portable leisure time game.

The maximum of pleasure in the minimum of space

Märklin mini-club, the smallest in the world, sets new, amazing standards. A model railway "in your hand luggage" is no longer a dream. Even a tea tray will do to serve up the magic of its remote-controlled models. Amazing possibilities are opened up. Your hobby kit can now quickly be put away under the table, or brought out from the cupboard, or hung on the wall like a picture. You can have ten minutes relaxation at any time just as easily as hours of pleasure in the evening, indoors or on the porch or terrace, or in the home of friends. The handy portable model railway has become a fact.

This is the most charming aspect of the smallest railway in the world. All the fuss and bother is reduced to a minimum. Mini-club is a game for lasting use, an absolute delight. Simply bring it out, connect it to the power supply and make complete escape the mini-club order of the day.

Mini-club locomotives must be operated only with a Märklin power pack 6711, 6720, 6727 or 6731.

Note

A reliable and stylish catenary system will be available shortly.

Märklin mini-club

Train sets Locomotives

All you want to know at a glance

Märklin mini-club bears the gauge designation Z (6.5 mm = $^{17}/_{64}$") Märklin mini-club is DC-operated. Everything carrying the name mini-club is of the renowned Märklin quality and is as hard-wearing, reliable and efficient as any other model railroad made by Märklin.

Mini-club locomotives must be operated only with a Märklin power pack 6711, 6720, 6727 or 6731.

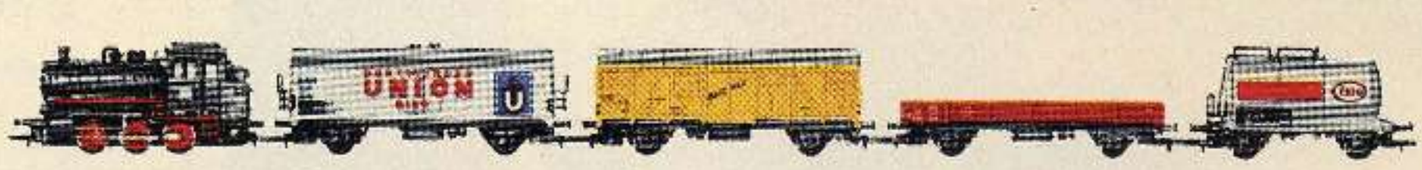
The illustrations of the various locomotives and cars are the same size as the models themselves.

The locomotives are fitted with suppressors, which, in conjunction with the anti-interference elements incorporated in the Märklin power packs 6711, 6720, 6727 or 6731 and the feeder track section 8590, ensure that the Regulations are complied with.

If radio interference should arise during operation, e. g. because the layout is too close to an antenna, or has not been assembled as specified in the instructions, then the interference should be eliminated immediately by moving the layout to some other place or modifying it.

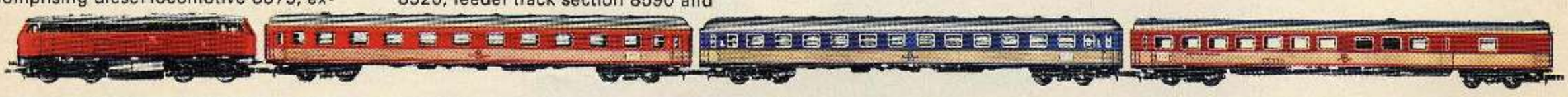
8900

Freight train (without power pack) · Comprising tank locomotive 8800, beer car 8601, box car 8606, low-sided gondola 8610, tank car 8612, 5 straight track sections 8500, 8 curved track sections 8510, feeder track section 8590 and ramp 8974 · Train 10" long · Interference suppression to comply with regulations



8901

Express train (without power pack) · Comprising diesel locomotive 8875, express coach 8720, express coach 8721, express diner car 8723, 5 straight track sections 8500, 8 curved track sections 8520, feeder track section 8590 and ramp 8974 · Train 17$^{1}/_{2}$" long · Interference suppression to comply with regulations



8800

Tank locomotive · A model of the 0-6-0 class 89 locomotive · 3 driven axles · Reversing by remote control · Mat black metal body · Die-cast zinc frame · Automatic coupling at each end · 1$^{7}/_{8}$" long over buffers



8864

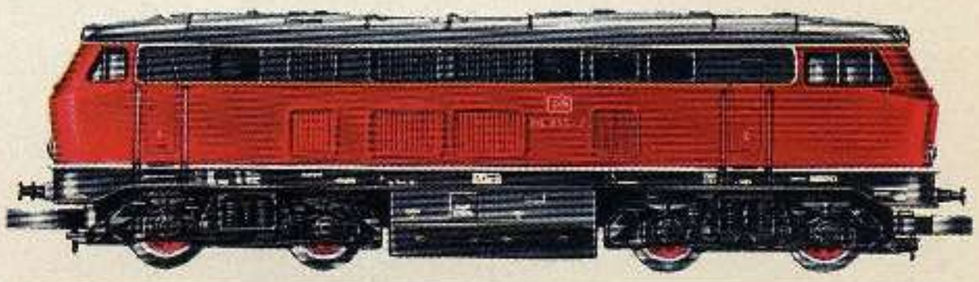
Diesel locomotive · A model of the German Federal Railways' class 260 0-6-0 locomotive · 3 driven axles · Reversing by remote control · Red metal body · Silver-colored roof · Die-cast zinc frame · Automatic coupling at each end · 2" long over buffers



8875

Diesel locomotive · A model of the German Federal Railways' class 216 4-4 locomotive · All axles driven · Reversing by remote control · Three working headlights at each end, changing over with change in direction · Red and grey plastic body · Die-cast zinc frame · Automatic coupling at each end · 3" long over buffers

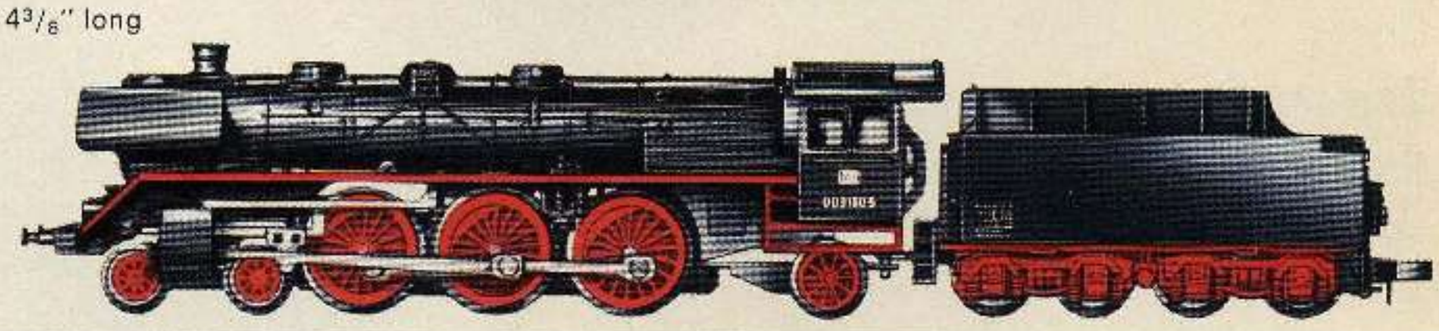
= 8953



8885

Express locomotive with tender · A model of the Federal German Railways' class 003 4-6-2 locomotive · 3 driven axles · Reversing by remote control · Three working headlights · Mat black metal body · Die-cast zinc frame · Automatic coupling on tender · 4$^{3}/_{8}$" long over buffers

= 8953



8803 NEW

Passenger train locomotive with tender · A model of the German Federal Railways class 24 2-6-0 locomotive · 3 driven axles · Reversing by remote control · Arranged for lighting insert 8953 for three headlights · Mat black body · Die-cast zinc frame · Automatic coupling on tender · 3$^{1}/_{4}$" long over buffers



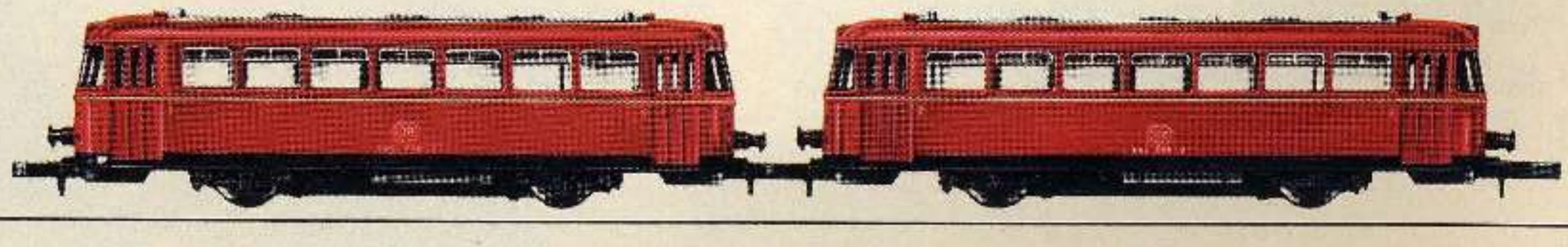
8816 NEW

Railbus · A model of the German Federal Railways' type 798 · Both axles driven · Reversing by remote control · Three working headlights at each end · Red plastic body · Die-cast zinc frame · 2$^{1}/_{2}$" long over buffers

= 8953

8817 NEW

Railbus trailer · A model of the German Federal Railways' type 998 · Arranged for lighting insert 8953 for three headlights · Red plastic body · Plastic frame · 2$^{1}/_{2}$" long over buffers

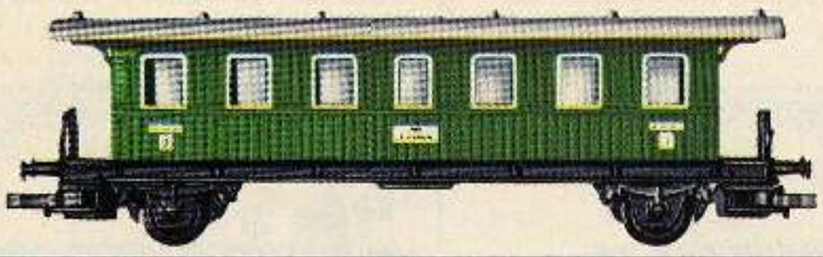


Märklin mini-club

Passenger cars
Express cars

8700

Passenger car · Platform and entrance at each end · Windows with cellon panes · $2^3/_8$" long



8701

Passenger car · Platform and entrance at each end · Windows with cellon panes · $2^3/_8$" long



8710

Express car · 1st class · A model of the German Federal Railways' car (A üm) · Windows inset in plastic frames · $4^7/_8$" long



8711

Express car · 2nd class · A model of the German Federal Railways' car (B üm) · Windows inset in plastic frames · $4^7/_8$" long



8712

Express baggage car · A model of the German Federal Railways' car (D üm) · Windows inset in plastic frames · $4^7/_8$" long



8713

Express diner car · A model of the German Federal Railways' car (WR üm) · Windows inset in plastic frames · $4^7/_8$" long



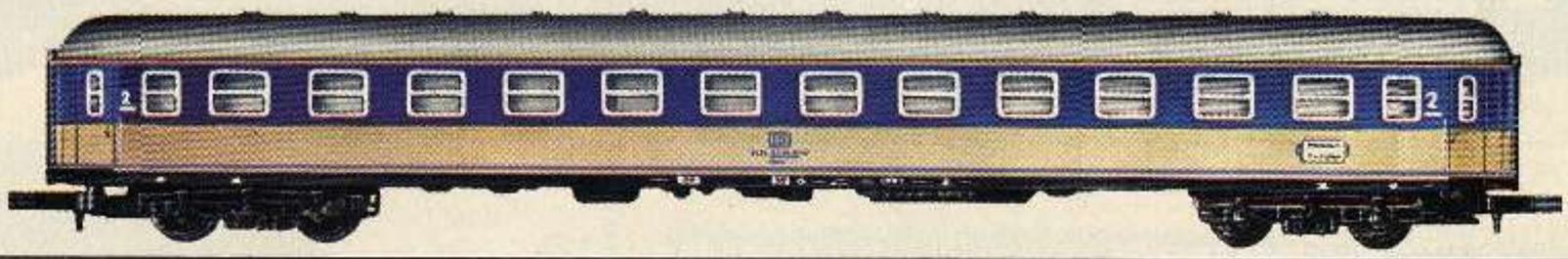
8720

Express car · 1st class · A model of the German Federal Railways' car (A üm) · Windows inset in plastic frames · $4^7/_8$" long



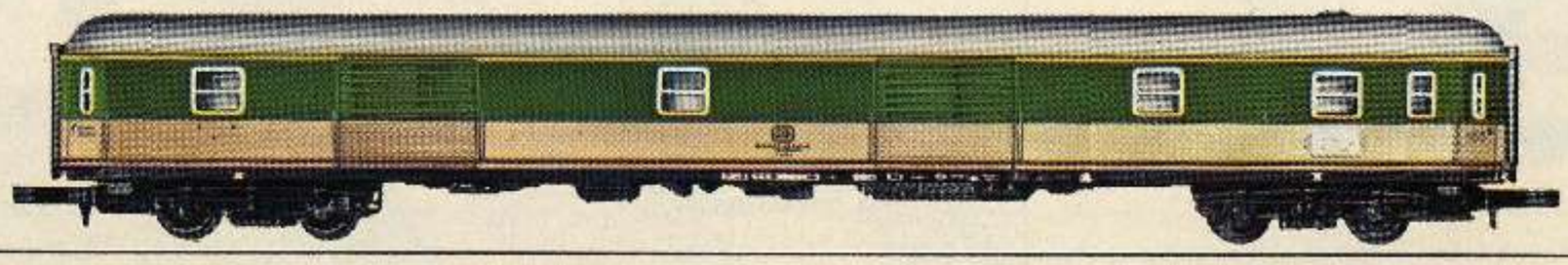
8721

Express car · 2nd class · A model of the German Federal Railways' car (B üm) · Windows inset in plastic frames · $4^7/_8$" long



8722

Express baggage car · A model of the German Federal Railways' car (D üm) · Windows inset in plastic frames · $4^7/_8$" long



8723

Express diner car · A model of the German Federal Railways' car (WR üm) · Windows inset in plastic frames · $4^7/_8$" long

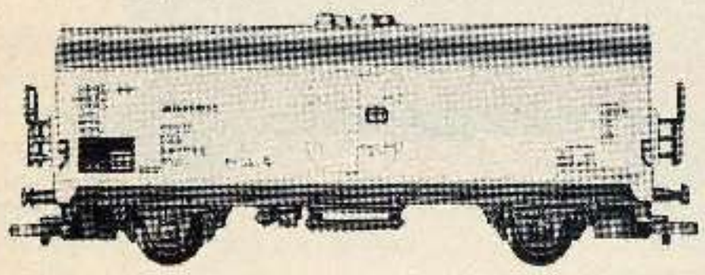


Märklin mini-club

Freight cars

8600

Refrigerator car · A model of a German Federal Railways' car (Ichqrs) · 2 3/8" long



8601

Beer car · A model of a car owned by the Dortmunder Union-Brauerei · 2 3/8" long



8602

Beer car · A model of a car owned by "Spatenbräu", Munich · 2 3/8" long



8603 NEW

Beer car · A model of a car owned by the Kulmbacher Mönchshof-Brauerei · 2 3/8" long



8605

Box car · A model of a German Federal Railways' car (Gbrs) · 2 3/8" long



8606

Box car · A model of a German Federal Railways' car (Ibbls) · 2 3/8" long



8609 NEW

Freight train baggage car (German Federal Railways' type Dg) · Doors which open on each side · 1 5/8" long



8610

Low-sided gondola · 2 3/8" long



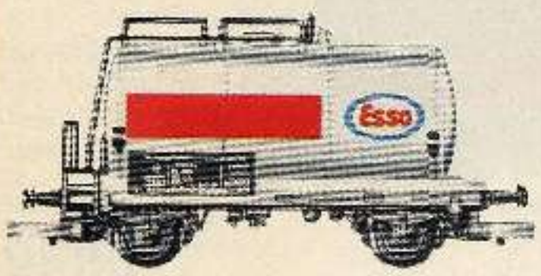
8611

Tank car · SHELL · 1 5/8" long



8612

Tank car · ESSO · 1 5/8" long



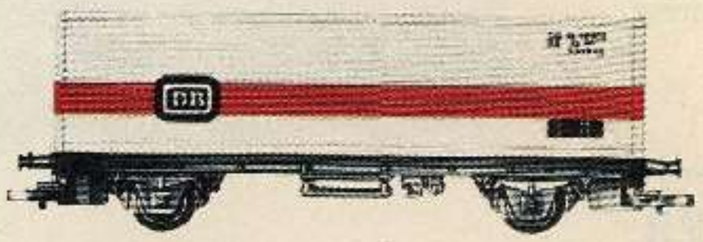
8613

Tank car · ARAL · 1 5/8" long



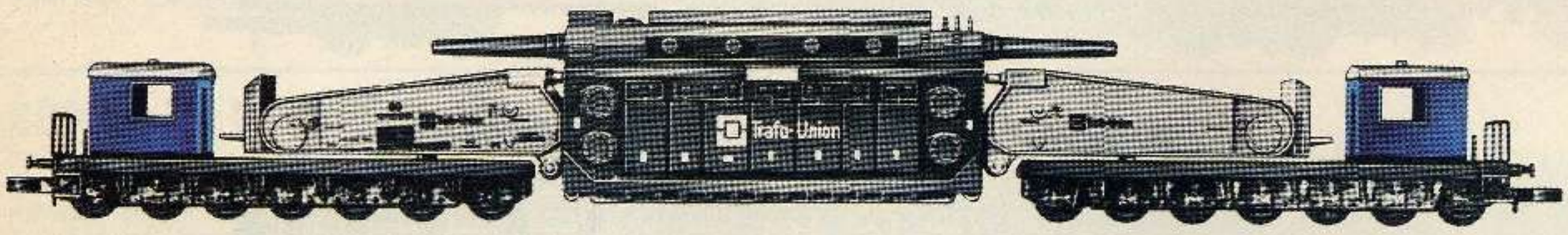
8615

Container car · DB · 2 3/8" long



8620 NEW

Depressed center flat car · Loaded with transformer · 6" long



8616

Container car · Sealand · 2 3/8" long



Märklin mini-club can be recognized by the club package with the characteristic teak-wood pattern.

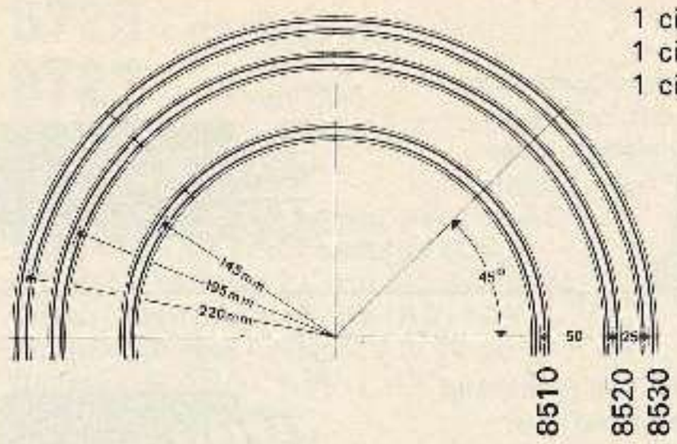


Märklin mini-club

Track sections

With a gauge of 6.5 mm ($^{17}/_{64}$"), the overall width of the track sections for the Märklin mini-club is about 11.5 mm ($^{7}/_{16}$"). The overall height is 2.5 mm ($^{1}/_{10}$"). The solid, corrosion-resistant rails are mounted on a plastic tie strip. The rails are connected together by means of rail joiners, such as are also used on the larger models. An additional clip on the tie strip increases the strength of the track section joints.

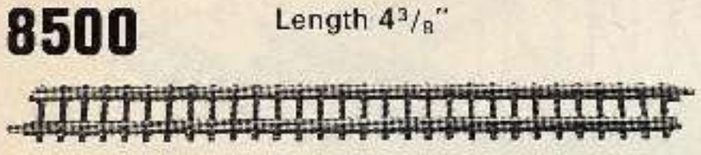
This drawing shows the three Märklin mini-club track circles with the radii, track spacing and angles.



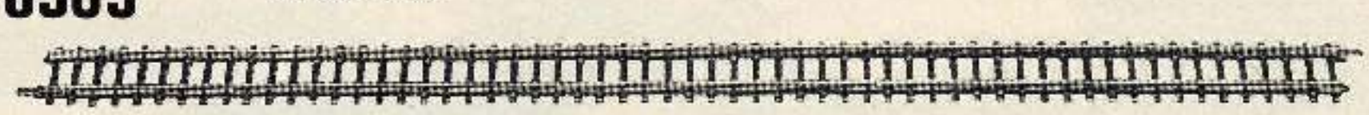
1 circle 8510 = 8 track sections
1 circle 8520 = 8 track sections
1 circle 8530 = 8 track sections

Straight track sections

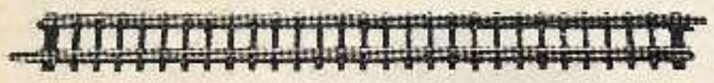
8500 Length $4^{3}/_{8}$"



8505 Length $8^{3}/_{4}$"



8506 Length $4^{5}/_{16}$"

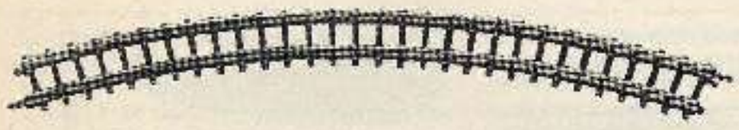


8507 NEW Length $4^{7}/_{16}$"

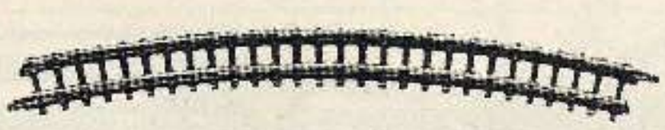


Curved track sections

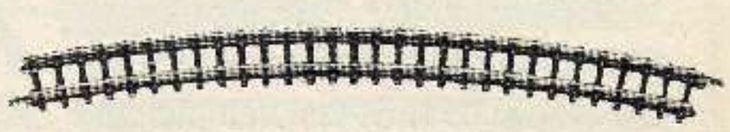
8510 Radius $5^{3}/_{4}$" · 45°



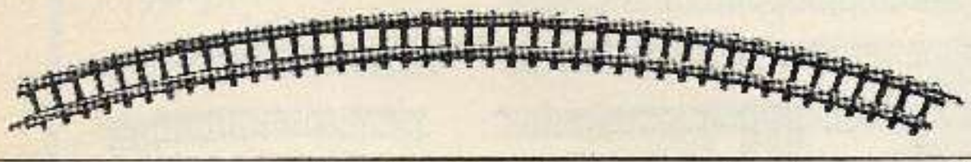
8521 NEW Radius $7^{3}/_{4}$" · 30°



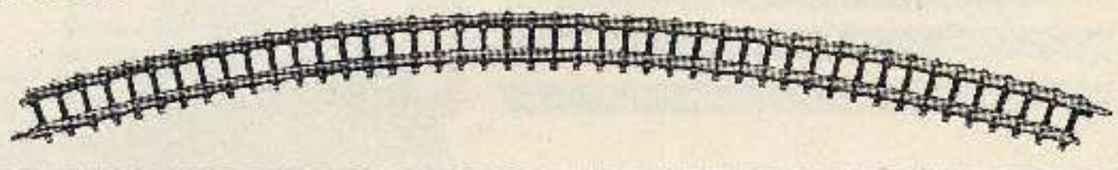
8531 NEW Radius $8^{3}/_{4}$" · 30°



8520 Radius $7^{3}/_{4}$" · 45°

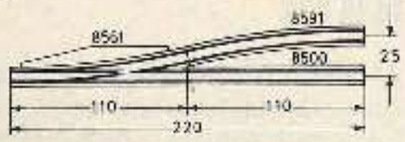


8530 Radius $8^{3}/_{4}$" · 45°

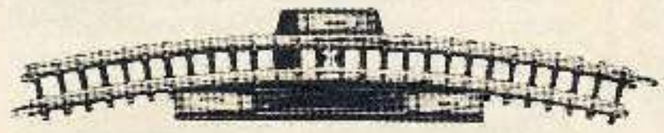


8591 Radius $19^{5}/_{16}$" · 13° · Corresponds to the curve of the turnouts 8561 and 8564 (see illustration)



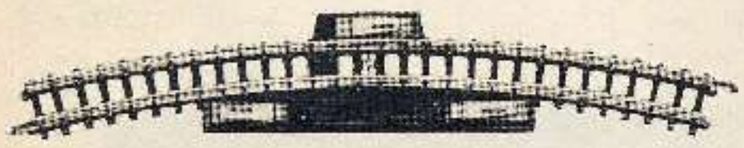


8529 NEW



Contact track section, curved · With terminals · For triggering switching operations by means of the passing train · Radius $7^{3}/_{4}$" · 30°

8539 NEW



Contact track section, curved · Similar to 8529 in construction and functioning, but with radius $8^{3}/_{4}$" · 30°

8599



Contact track section, straight · With terminals · For triggering switching operations by means of the passing train · Length $4^{3}/_{8}$"

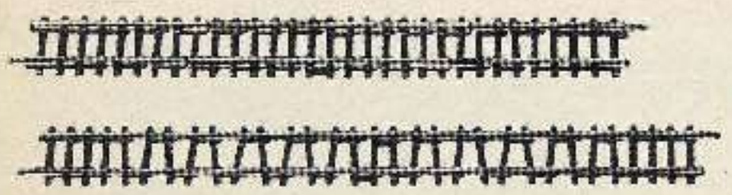
The contact track sections 8529, 8539 and 8599 enable solenoid-operated items to be controlled automatically by the passing train. They are actuated by the locomotive and can trigger various switching operations in either direction independently of the other. The control pulses are picked up from two terminals electrically isolated from one another.

8590



Feeder track section, straight · With suppressor · 2 terminals for connecting the leads supplied with it · Length $4^{3}/_{8}$"

8592 NEW



Track section, straight · To make up a length · 4" long extendable to $4^{5}/_{8}$"

8597



Uncoupling track section · For uncoupling automatic couplings · Uncoupling ramp operated either through the built-in solenoid by remote control, or by hand lever · Length $4^{3}/_{8}$"

8598

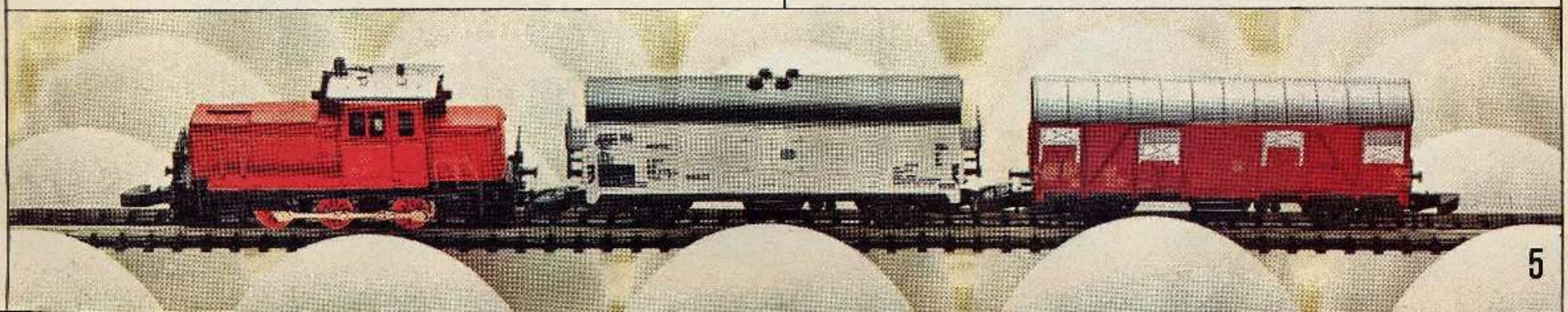


Isolating track section, straight · With terminals · The rail next to the terminals has a break in the middle · Length $4^{3}/_{8}$"

8559



Crossing · Angle 13° · Length of track sections $4^{7}/_{16}$"

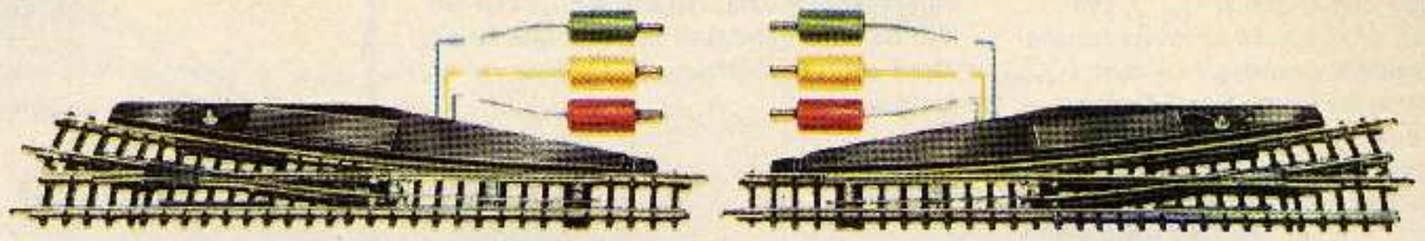


Märklin mini-club

Accessories

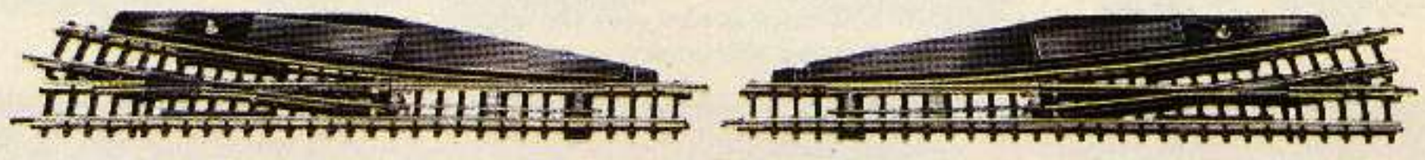
8561

Pair of solenoid-controlled turnouts · Comprising one r ght-hand and one left-hand turnout, both with double-solenoid operation · Additional manual lever · Angle 13° · Radius of turnout track $19^5/_{16}$" · Length of straight track $4^3/_8$"



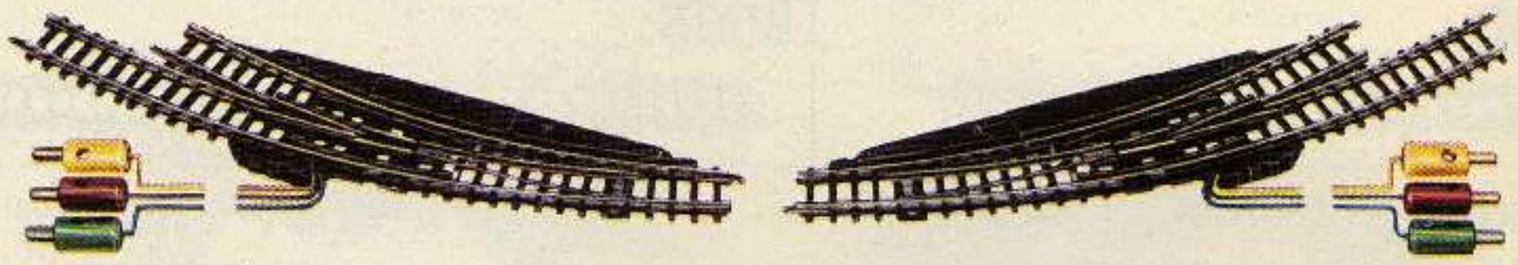
8564

Pair of manual turnouts · Comprising one right-hand and one left-hand turnout · Operated by hand lever · Angle 13° · Radius of turnout track $19^5/_{16}$" · Length of straight track $4^3/_8$"



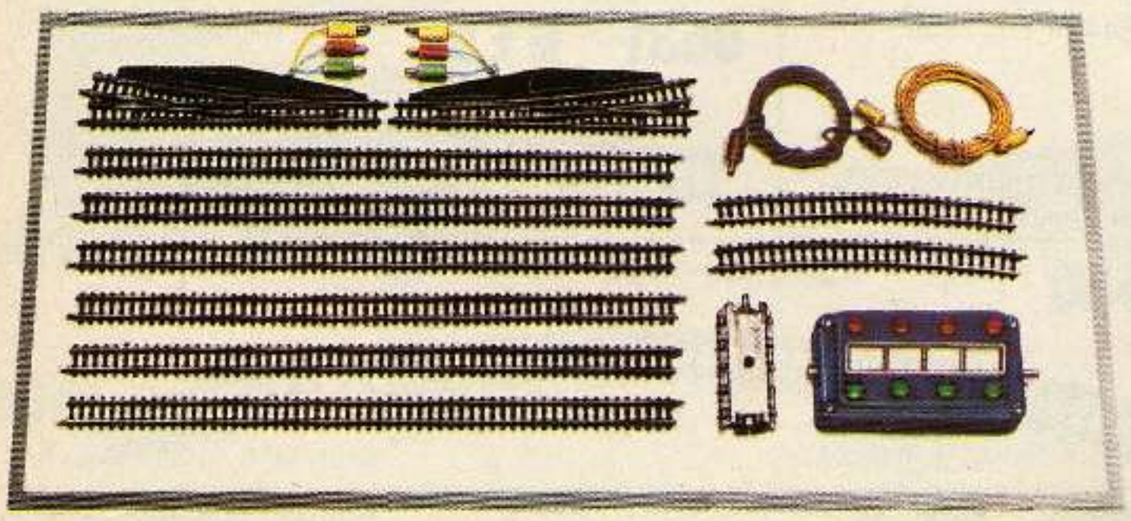
8567 NEW

Pair of solenoid-controlled curved turnouts · Comprising one right-hand and one left-hand inside turnout, both with double-solenoid operation · Additional manual lever · Length and radius of the turnout track as for track section 8521 · Length of the outside track section 5"



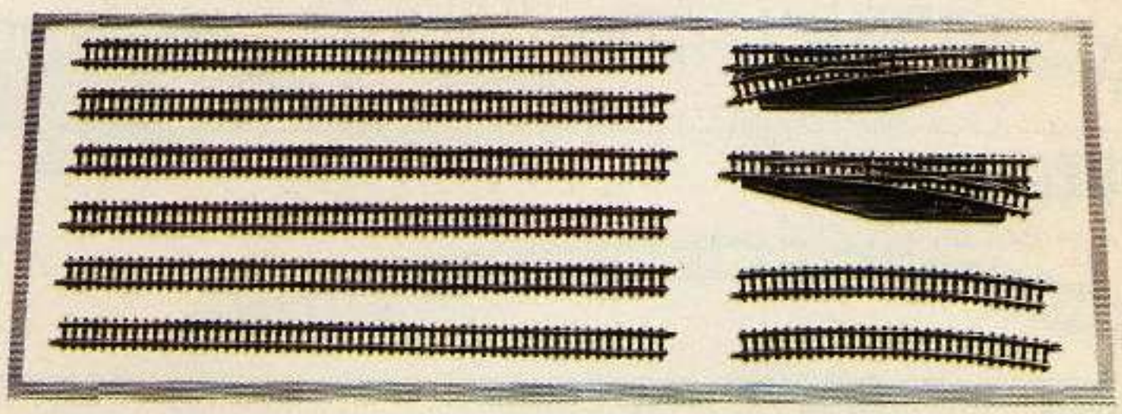
8490 NEW

Track extension kit · Contains 1 pair of solenoid operated turnouts 8561, 6 straight track sections 8505, 2 curved track sections 8591, 1 control panel 7072, 1 distributor panel 7209, 1 brown and 1 yellow lead and instructions for installing the turnouts and extending the layout



8491 NEW

Track extension kit · Contains 1 pair of manual turnouts 8564, 6 straight track sections 8505, 2 curved track sections 8591 and instructions for extending the layout



8910

Märklin mini-club Toporama · The true-to-nature model railroad landscape for an oval track with sidings · 4-color printing on synthetic paper · The printing shows the track layout with precise subdivisions, roads, paths, lakes and plan views of houses · Tufted grass-covered areas provide a sculptural effect · Size 1'7"×4'1"



8919

Märklin mini-club track layout pattern · Landscape laid out for an oval track with sidings, printed in 4 colors on strong hard-wearing material · The attractive arrangement of the landscape ensures a pleasing model layout · The tracks are printed on, with roads, paths, lakes and plan views of houses · Size $1'1^3/_4$"×$3'3^1/_2$"



A few examples of track layouts

Further suggestions are given in the Märklin mini-club Guide.

Fig. 1

1'6"×$1'1^1/_2$"

1 — 8500
8 — 8510
1 — 8590

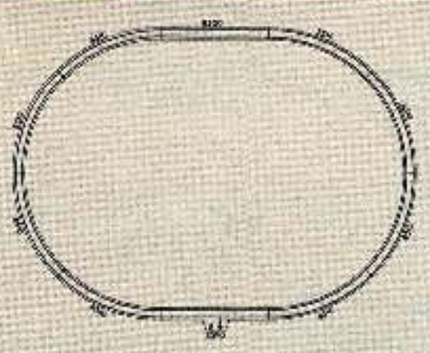


Fig. 2

3'5"×$1'7^1/_2$"

2 — 8500
8 — 8505
4 — 8520
6 — 8521
4 — 8530
2 — 8531
2 — 8567
2 — 8590
1 — 8951

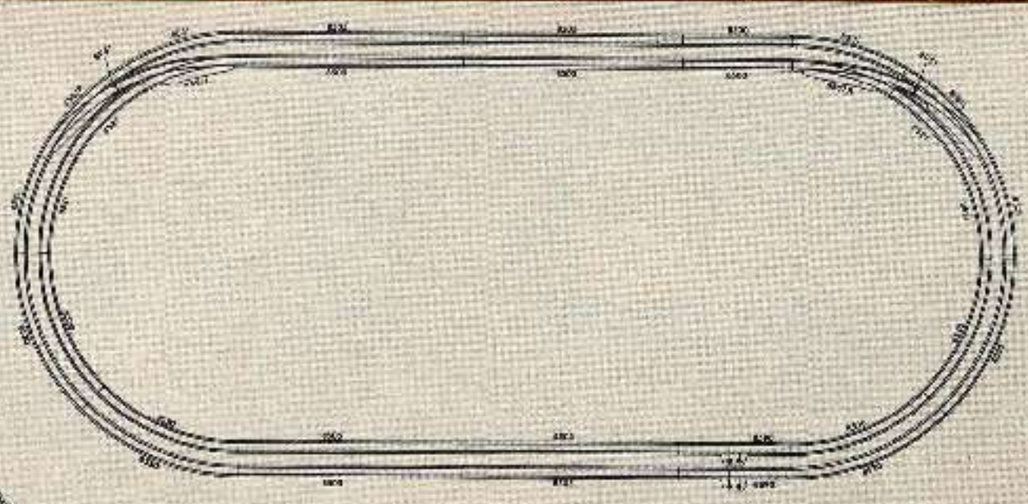
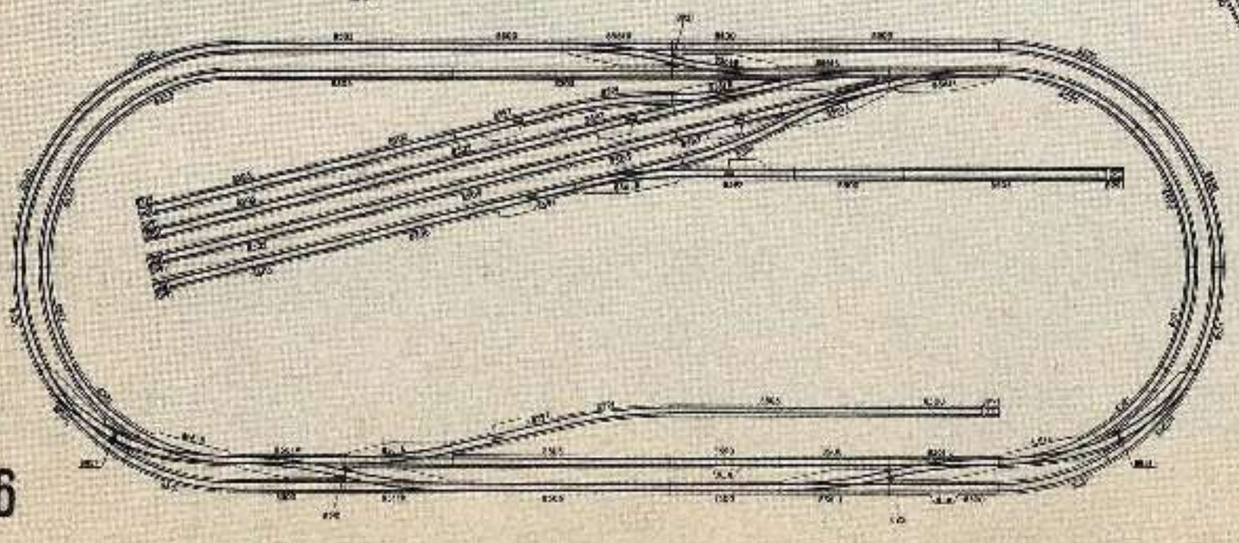


Fig. 3

4'2"×$1'7^1/_2$"

10 — 8500
14 — 8505
4 — 8520
6 — 8521
4 — 8530
2 — 8531
6 — 8561
2 — 8567
2 — 8590
3 — 8591
6 — 8597
1 — 8951
6 — 8991



Märklin mini-club

Accessories

6711 = 220 volt

Märklin mini-club power pack for 220 volt AC · One-knob control for adjusting the **track voltage (DC)** between 0 and 8 V and reversing switch · Output in the track circuit up to 8 VA, in the **lighting circuit (AC)** about 12 VA at 10 V · Blue plastic case · Weight 3 lb 10 oz · Dimensions $6^{1}/_{8}$" × $4^{5}/_{16}$" × $3^{1}/_{2}$"



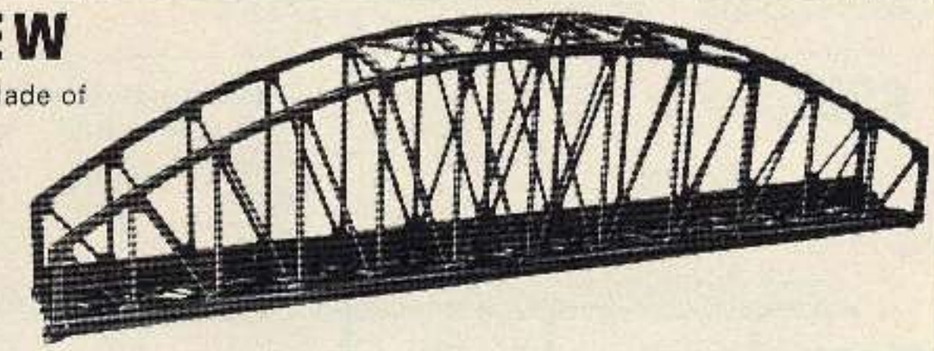
6720 = 100 volt Japan
6727 = 115 volt USA
6731 = 220 volt

Märklin mini-club power pack for AC · Output 12 VA · **Track voltage (DC)** adjustable between 2 V and 8 V · Reversing switch · **Lighting voltage (AC)** 10 V · Blue plastic case · Weight 2 lb 10 oz · Dimensions $4^{15}/_{16}$" × $5^{5}/_{16}$" × 3"



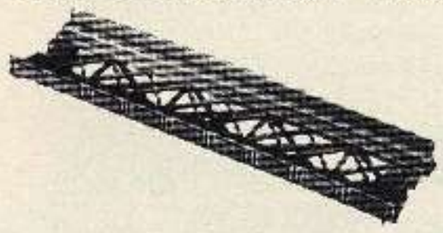
8975 NEW

Arched bridge · Made of plastic · Grey · Length $8^{5}/_{8}$"



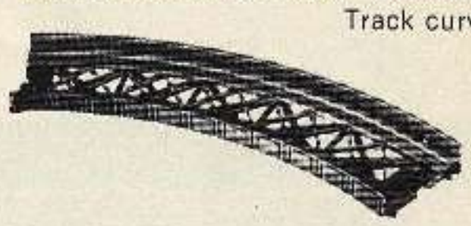
8976 NEW

Ramp section, straight · Length $4^{3}/_{8}$"



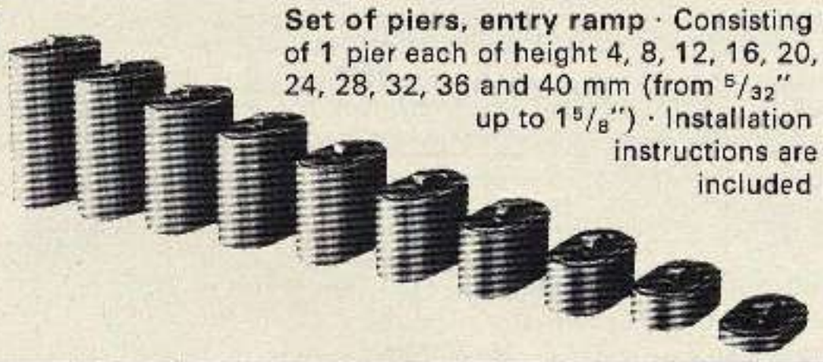
8977 NEW

Ramp section, curved · Radius $5^{3}/_{4}$" · Track curve 45



8978 NEW

Set of piers, entry ramp · Consisting of 1 pier each of height 4, 8, 12, 16, 20, 24, 28, 32, 36 and 40 mm (from $^{5}/_{32}$" up to $1^{5}/_{8}$") · Installation instructions are included



8979 NEW

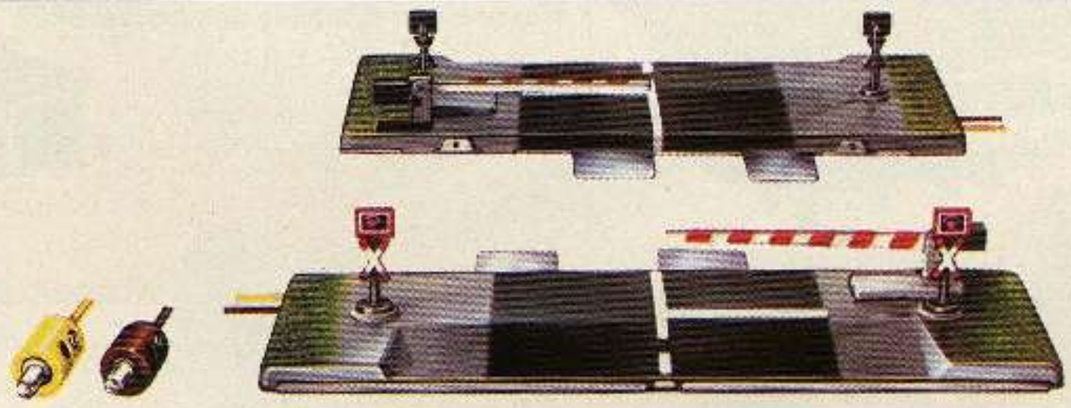
Set of piers, bridge · Consisting of 5 piers each $1^{5}/_{8}$" high



8992 NEW

Grade crossing with half barriers · Comprising two solenoid-operated barriers each with 2 red warning lights which light up when the barrier is closed · Size of each base $3^{3}/_{4}$" × $1^{1}/_{2}$"

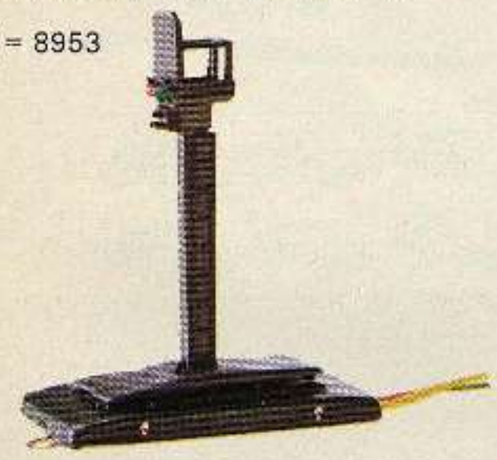
= 8953



8939

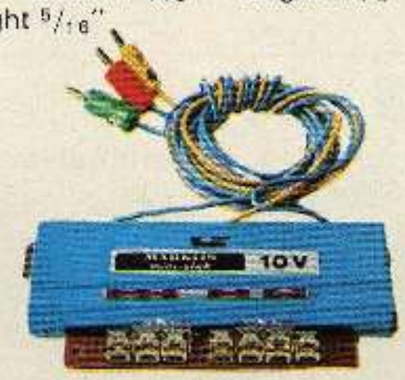
Illuminated home signal · Light changes from red (stop) to green (proceed) · 2 bulbs · Operated by universal remote controller 8945 or by the manual signal switch 8946 · Height $1^{6}/_{8}$"

= 8953



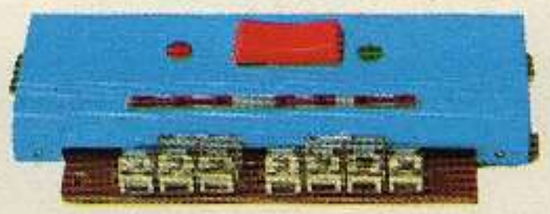
8945

Universal remote controller with 2 single-pole switches and a change-over switch for different circuits · Operating voltage 10 V · Double-solenoid operation · Actuated by contact track section, from control panel 7072 or by manual switch lever · Width $1^{3}/_{16}$" · Length $2^{3}/_{4}$" · Height $^{5}/_{16}$"



8946

Manual signal controller with 2 single-pole switches and a change-over switch, for controlling, e. g., the light changes in signal 8939 and the track current · Width $1^{3}/_{16}$" · Length $2^{3}/_{4}$" · Height $^{5}/_{16}$"



8950

Light socket with light insert and lead · For stations, buildings and the like

= 8953







Märklin mini-club

Accessories

8951

Pack of 10 turnout isolating clips · Made of plastic · For electrical isolation of rails at turnouts



8953

Light insert · With 10 V bulb · For use with light socket 8950 and for lighting locomotives



8974

Ramp · Made of plastic · Facilitates placing locos and cars on the track · Length 5 1/2" · Height 1/2"



8991

Buffer · Clips on to rails · Black · Buffer beam, white with red stripes · Length 5/8"



8999

Track fixing nails · 1/4" long · Pack of 100 nails

8987

Pair of carbon brushes for locomotives 8800, 8803 and 8864

8988

Pair of carbon brushes for locomotives 8816 and 8875

8989

Pair of carbon brushes for locomotive 8885

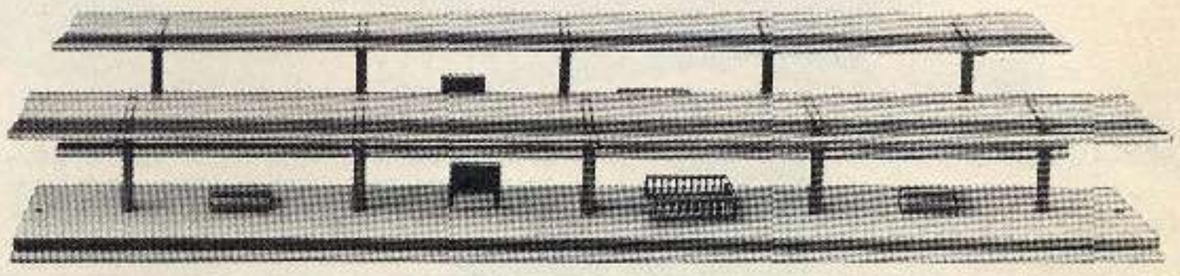
8960

Station building kit (Göppingen station) · Modern design · Floor area 9"×4 1/2" · Height 1 3/4" · Designed for mounting light socket 8950



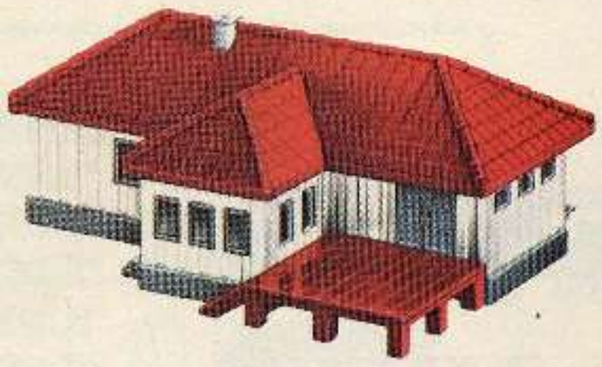
8961

Platform building kit · In two parts · Overall length 17" · Width 1 1/2" · Height 1"



8962

Station building kit (Dürnau Station) · Multi-purpose building with annex and loading ramp · Floor area 2 3/4"×2" · Height 1 1/4" · Designed for mounting light socket 8950



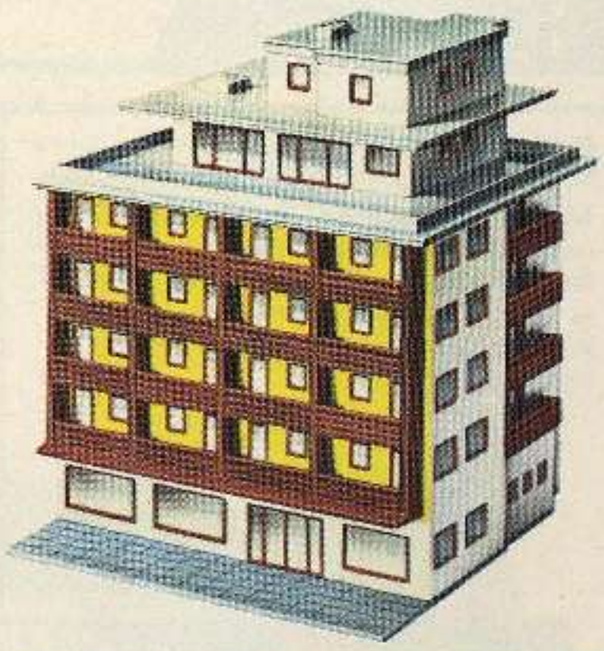
8964

Building kit, house with garage · Can be used as one or two-storey house · Floor area 3 1/2"×2 3/4" · Height 1 5/8" · Designed for mounting light socket 8950



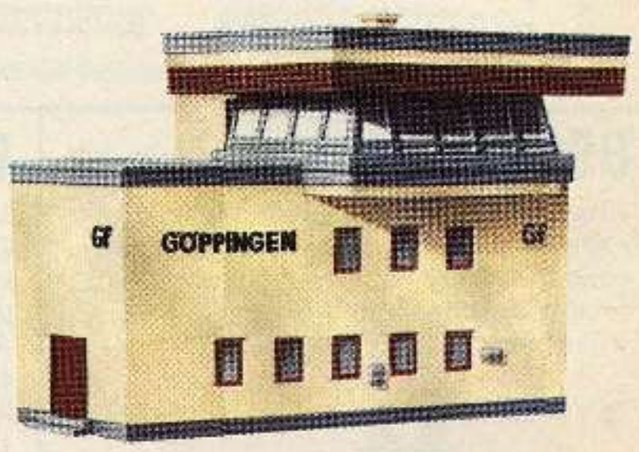
8963

Building kit, apartment house with penthouse · The two top sections can also be used individually as a bungalow and a kiosk · Floor area 3 3/8"×3 3/16" · Height 3 7/8" · Designed for mounting light socket 8950



8965 NEW

Building kit, signal box · Floor area 2 3/4"×1 1/2" · Height 1 5/8" · Designed for mounting light socket 8950



8973 NEW

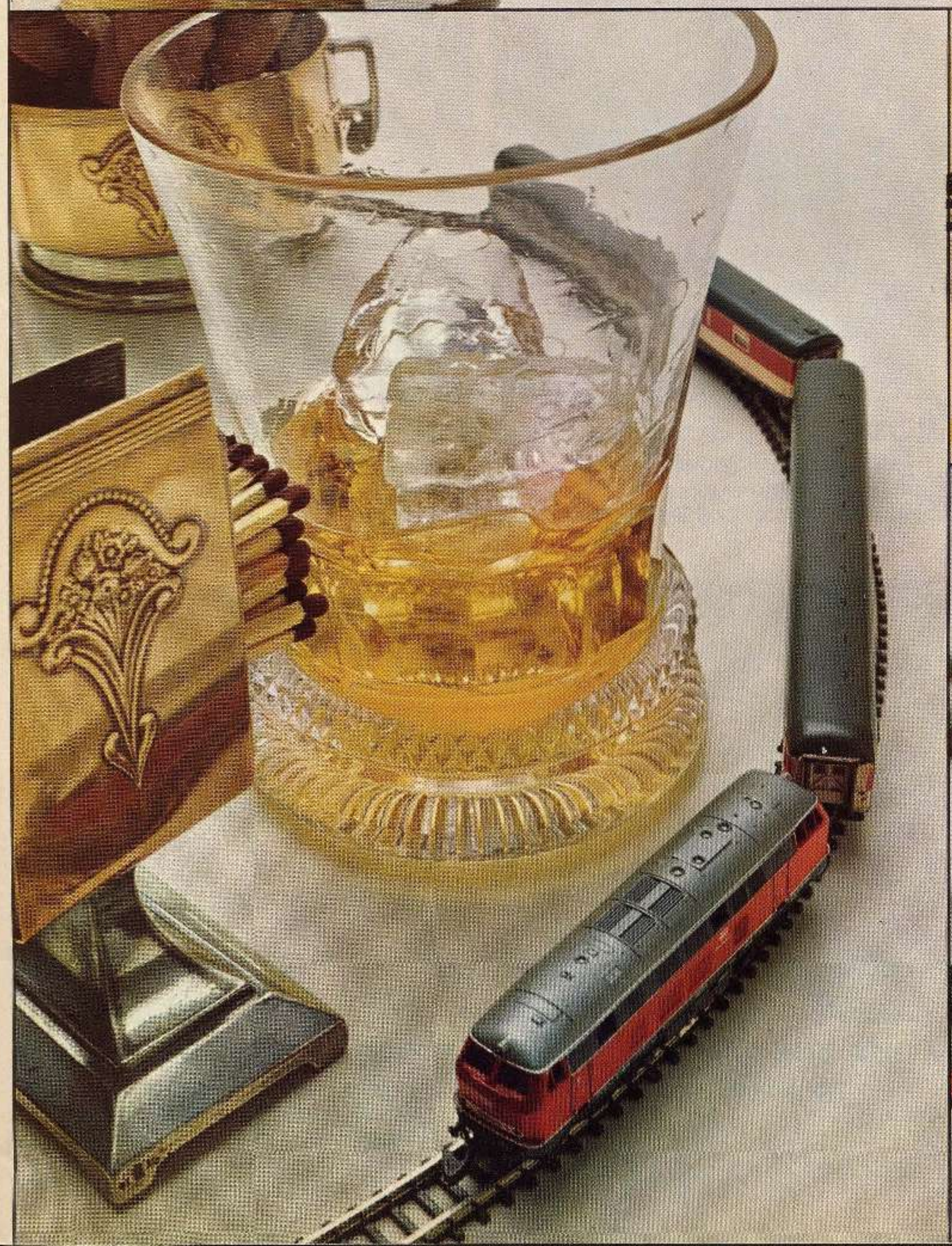
Pack containing different miniature automobiles

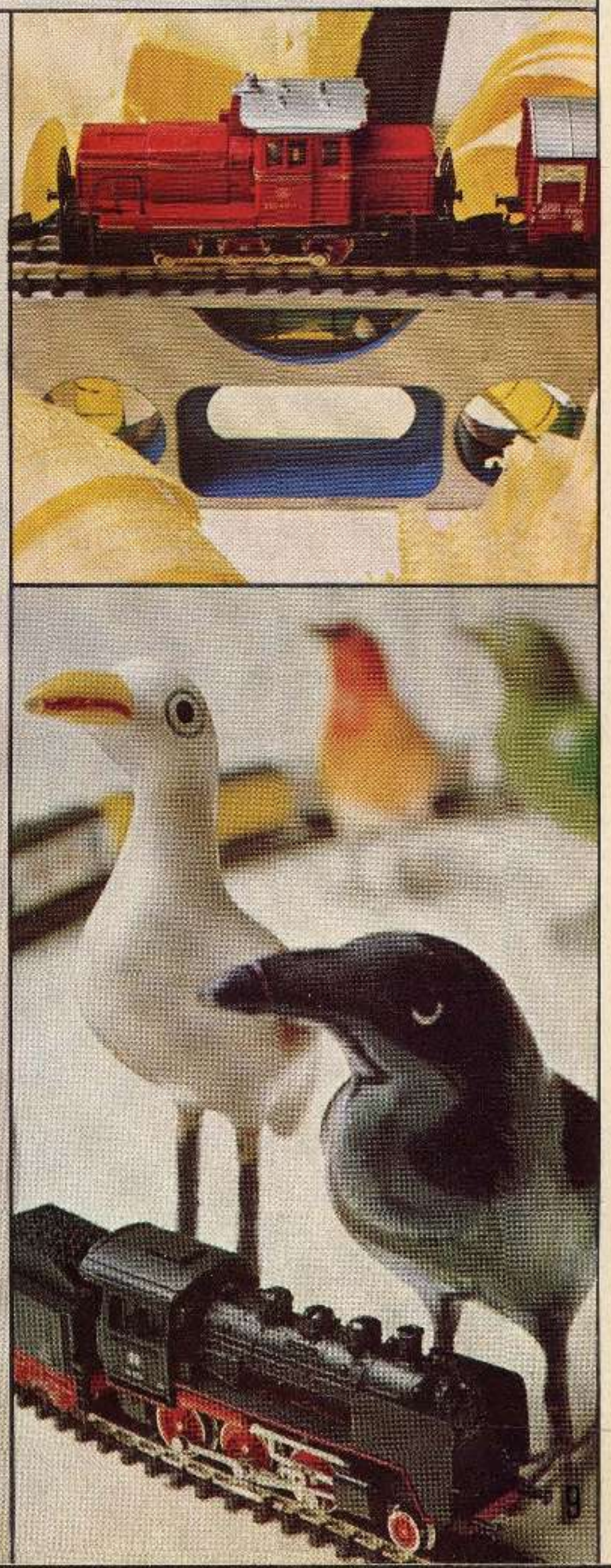




Märklin
mini-club







MärklinHO

Scale 1:87

All the information given below on the HO model railroad will be of interest to you

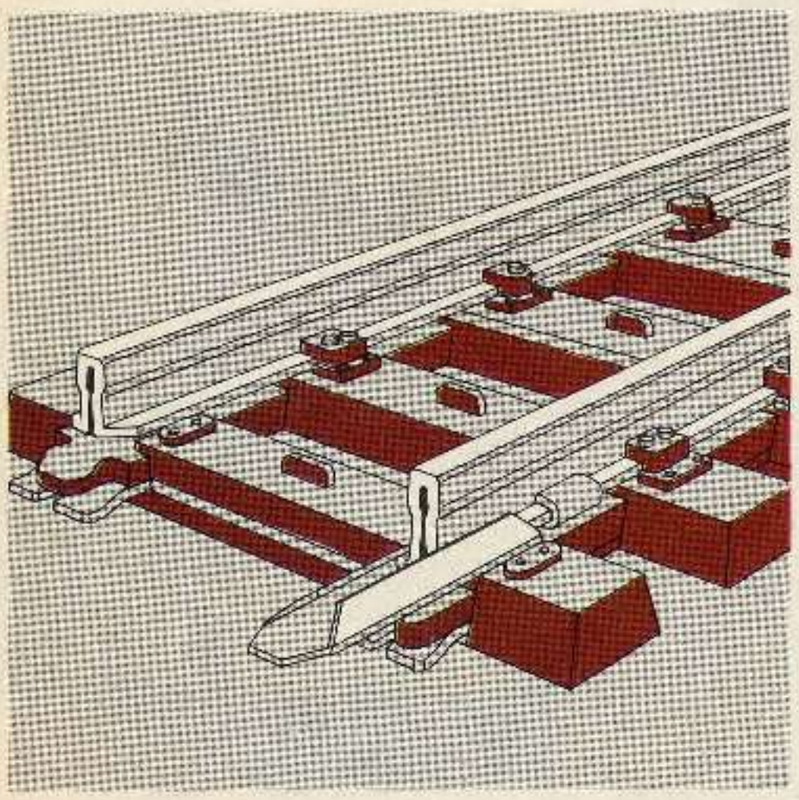
(even if you already have one).

Irrespective of whether your Märklin H0 model railroad layout is large or small, there is always scope for new developments, extensions and improvements. Yet each stage is in itself complete and deeply satisfying. From the first single little train in a setting of toddler's toys and cartons, up to the extensive layout of the enthusiast, equipped by using all of Märklin's ingenious techniques, in all cases the whole of the small or simple layout can be fully integrated into the bigger or more elaborate layout, with nothing left over unused. A model railroad offers infinite possibilities as a hobby, giving a chance to plan, design, invent and do-it-yourself, so that at any age, no matter whether you are 6 or 60, you can always come back to it and find something to do giving relaxation and pleasure.

The Märklin H0 Model Railroad offers special advantages inherent in the design philosophy:

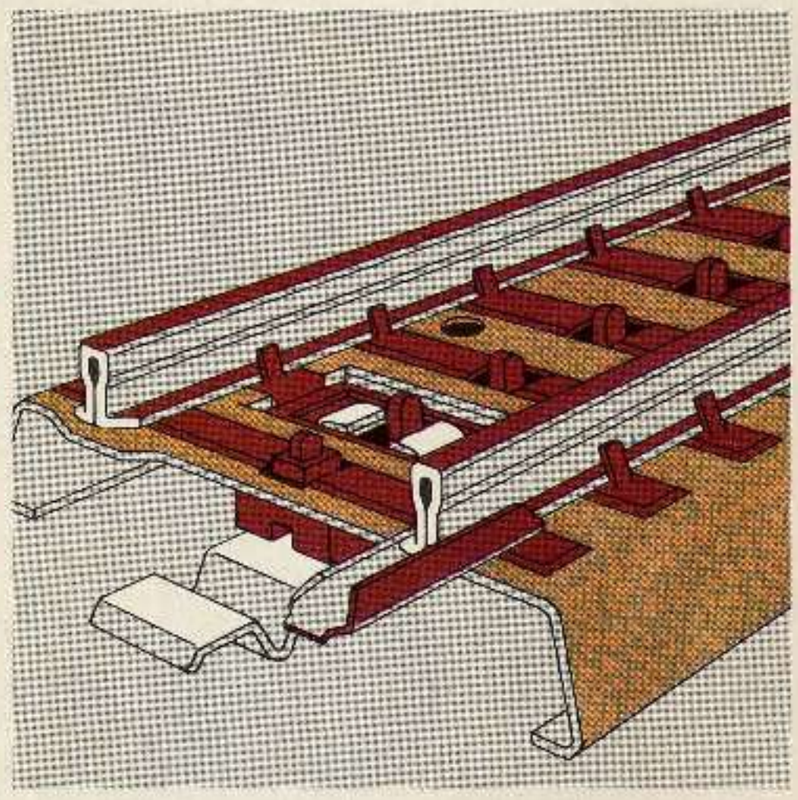
1. Power supply via the central conductor of the Märklin H0 track.
2. The exclusive use of alternating current for all parts of the Märklin H0 system.

These two together guarantee reliable power supply to the locomotive and electrical circuits, which are easy to follow in even the most complicated layouts. Everything is easy to understand and it is explained in addition in the instructions which accompany every item.



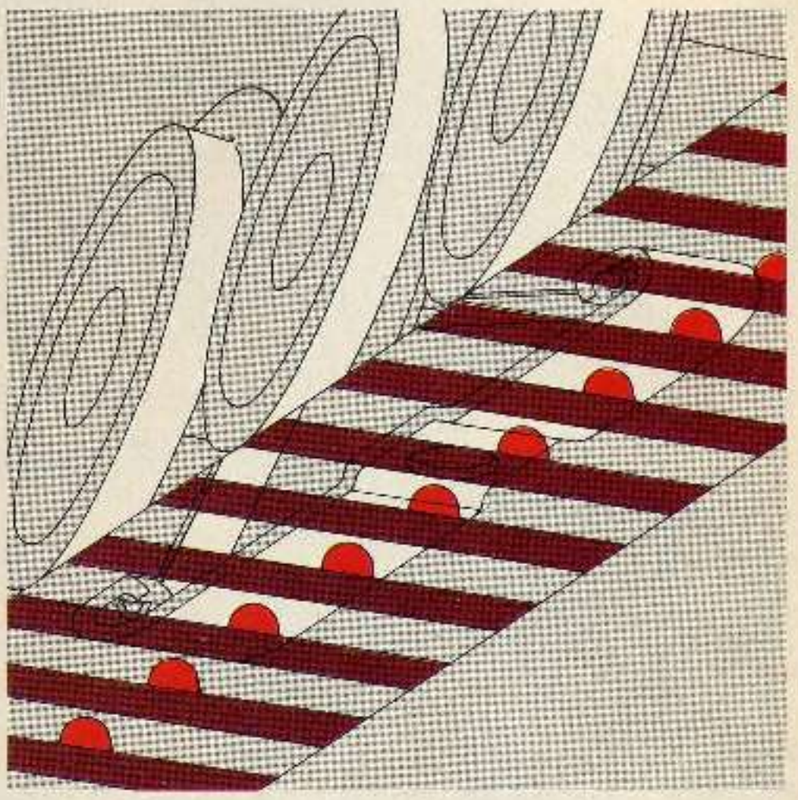
K track

Six-fold connection between track sections, comprising two rail clips, two sprung contacts on the central conductor and two couplings on the tie strip.



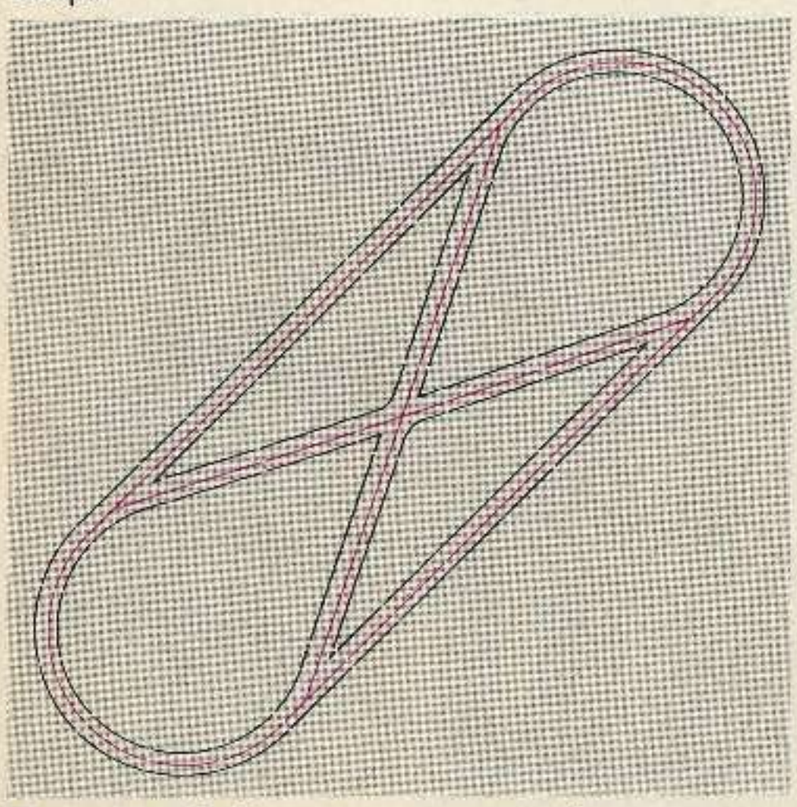
M track

Triple connection between track sections, comprising a sprung clip on the central conductor and the two rail clips.

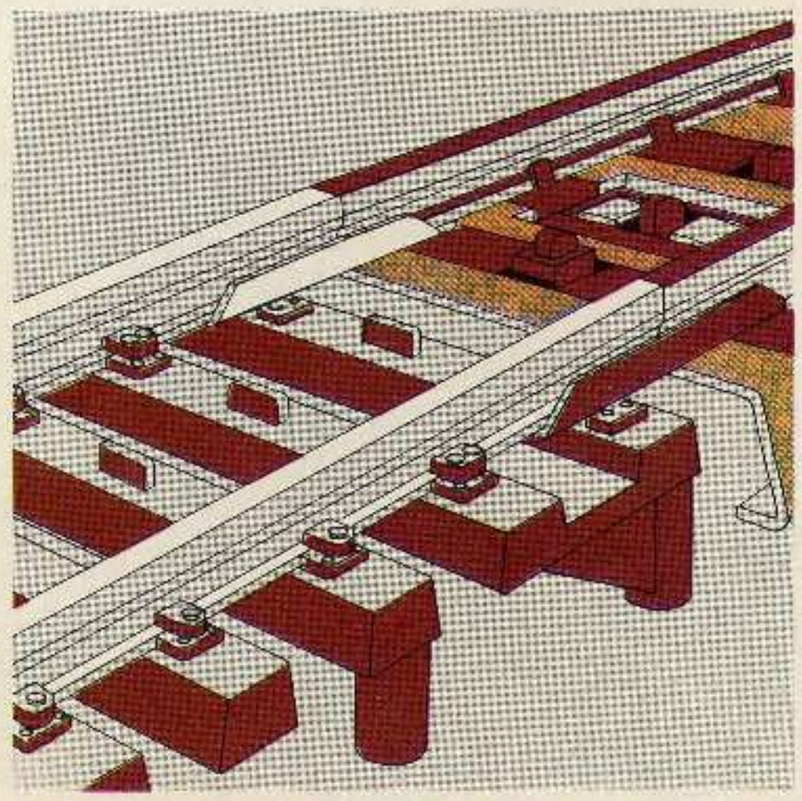


Reliable power supply

to the motor from the point contacts via the pick-up shoe. Return via the wheels of the locomotive on both sides.

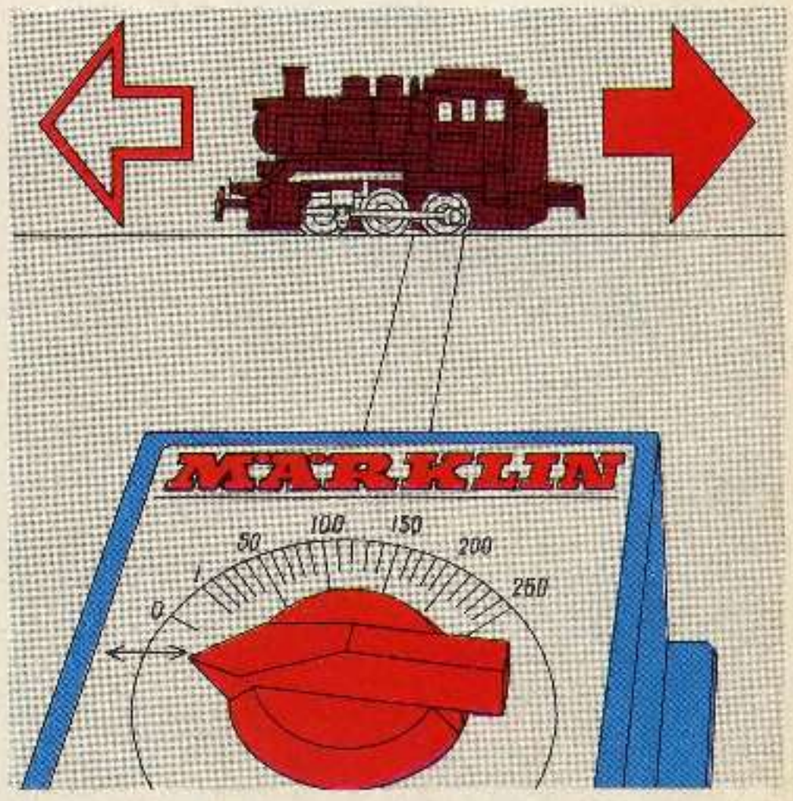


Easy-to-follow current paths without intricate circuitry



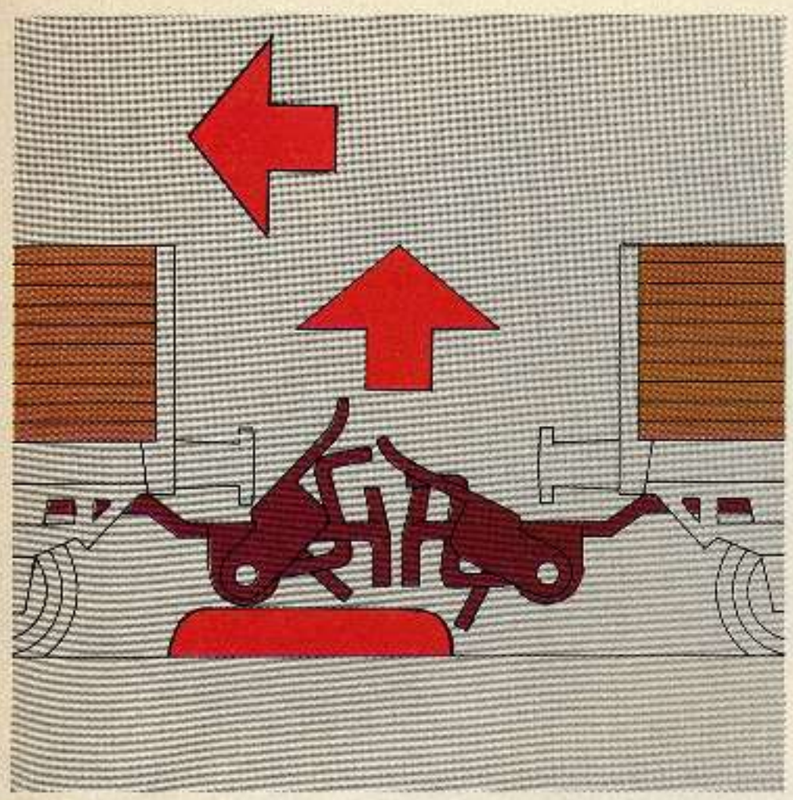
Adapter track sections

used to connect metal tracks to plastic tracks



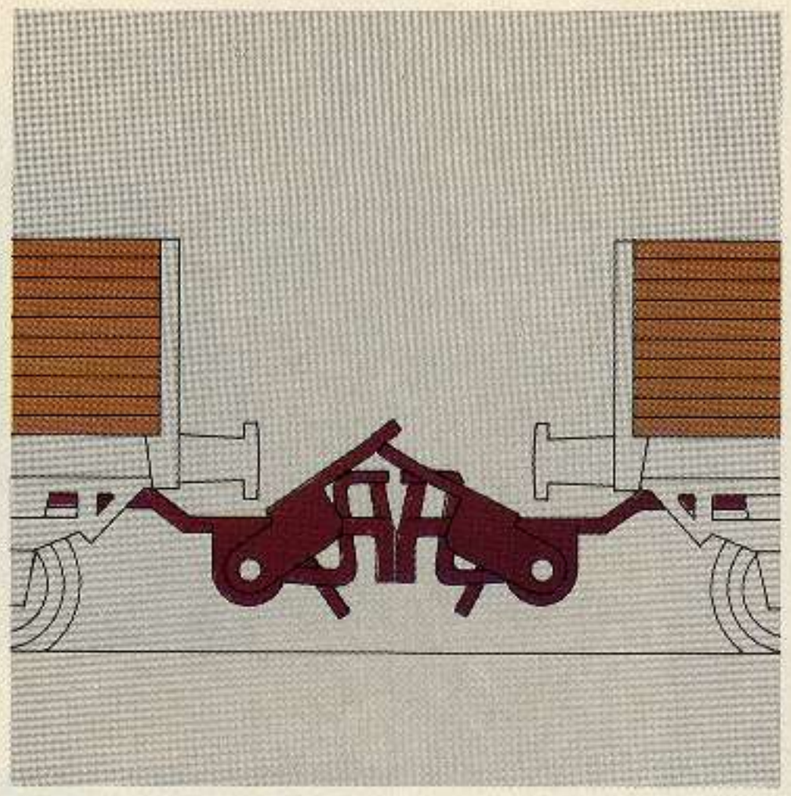
Reversing

of the locomotive by turning the control knob on the transformer anticlockwise (over-current pulse)



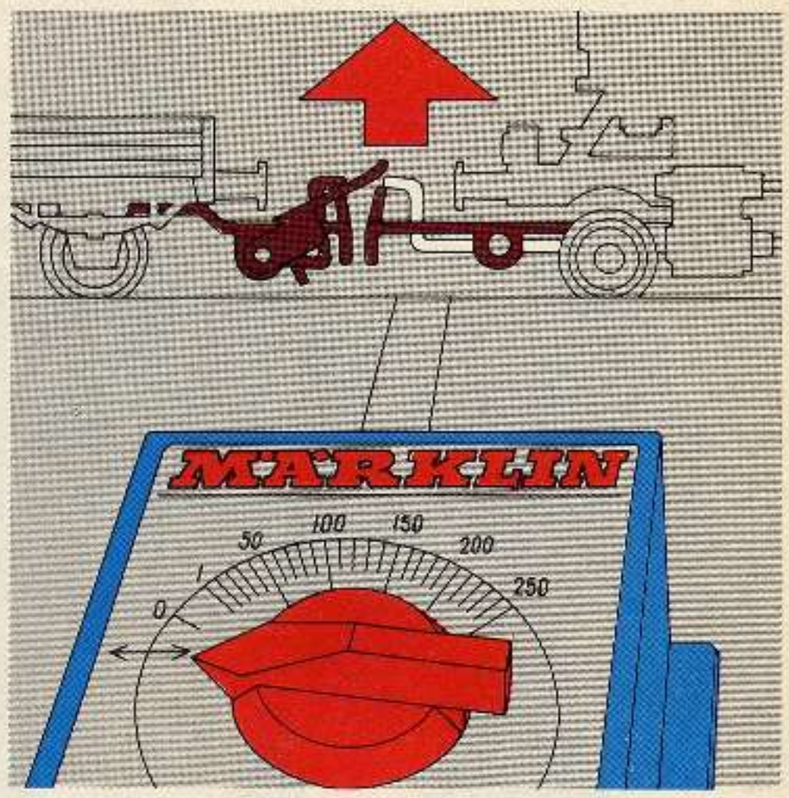
Automatic coupling

When the cars are brought into contact, the coupling automatically engages. At the uncoupling track, uncoupling can be carried out manually or by remote control.



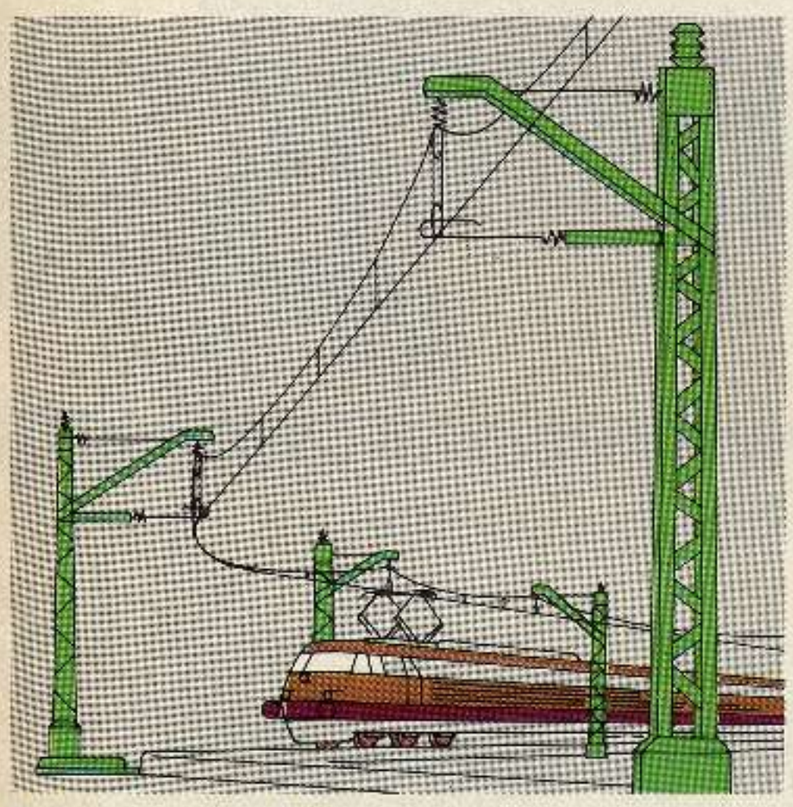
RELEX coupling

After uncoupling, the cars can be pushed for switching without the coupling re-engaging.



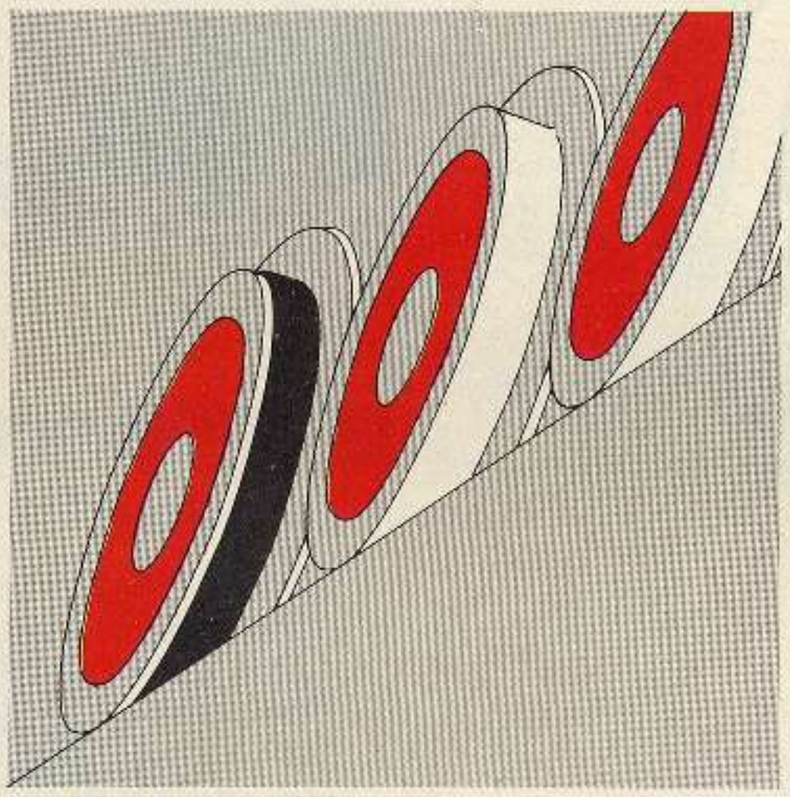
TELEX coupling

At any point in the layout uncoupling can be carried out by remote control from the transformer.



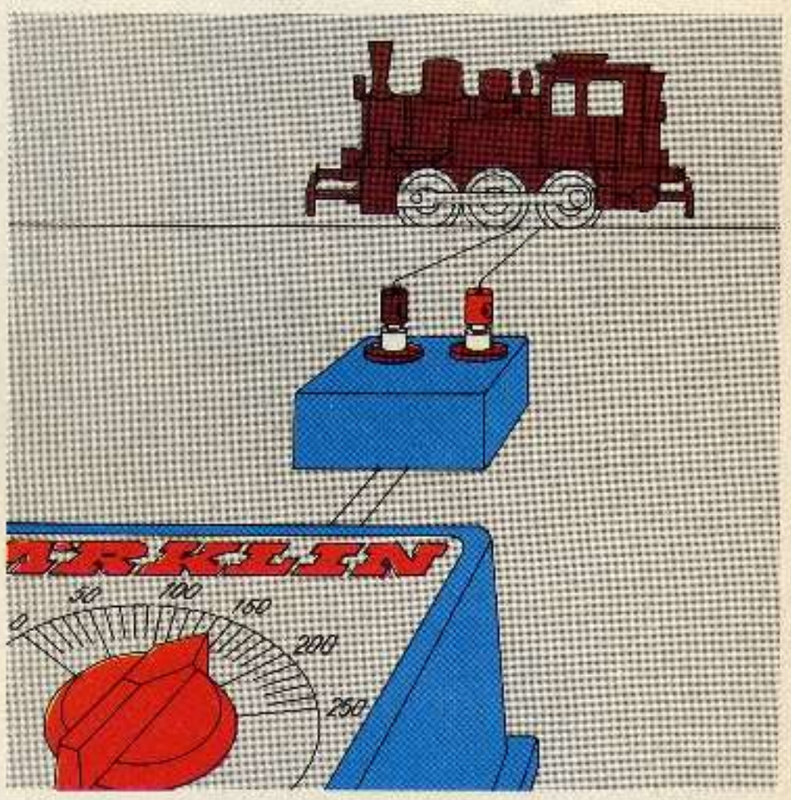
Catenary system

If the overhead conductor is wired up as a second circuit, two locomotives can be run independently of one another on the same track.



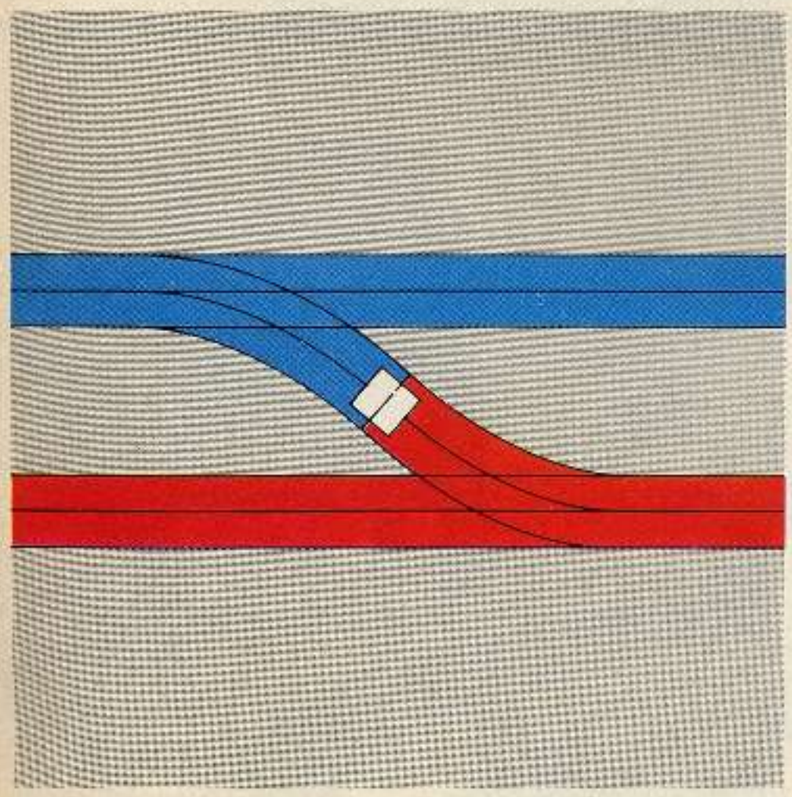
Rubber tires

used on every locomotive, increase the pulling power by improving the grip of the wheels on the rails.



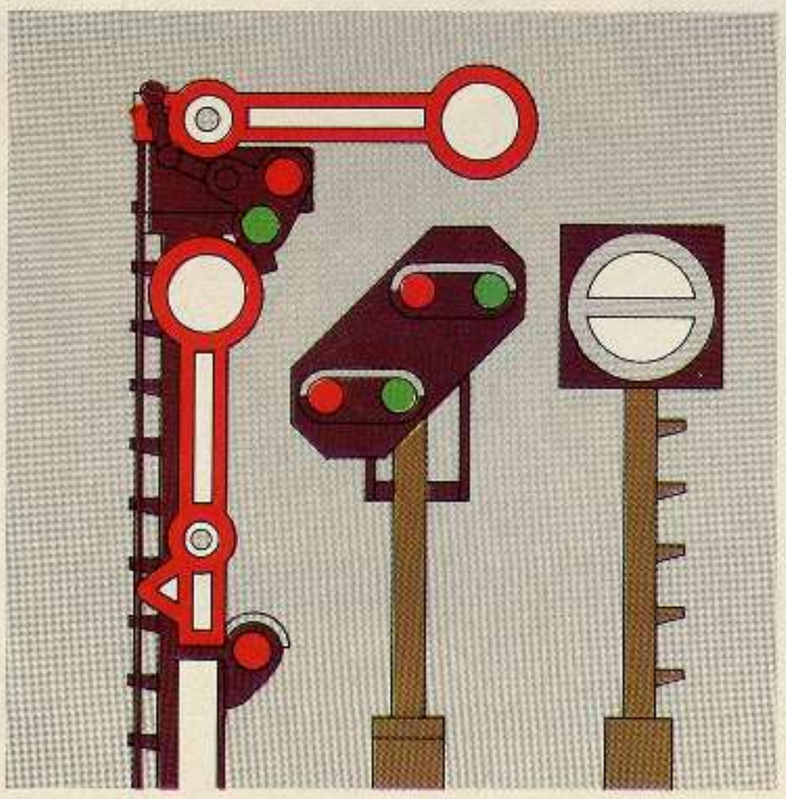
Interference suppression

All locomotives are fitted with condensers and choke coils to suppress radio interference. The locomotives bear the official German anti-interference symbol. Incorporation of the suppressor bridge 7223 and the exclusive use of Märklin items, which are matched as regards their suppression effect, together with the Märklin transformer stated, ensures that the statutory regulations on interference suppression will be complied with.



Circuit isolation

by means of the centre conductor insulator 5022 for metal tracks on the centre conductor insulator 7522 for plastic tracks. Isolating track sections are not needed.



Signals

enable trains to be controlled fully automatically.

To make a start





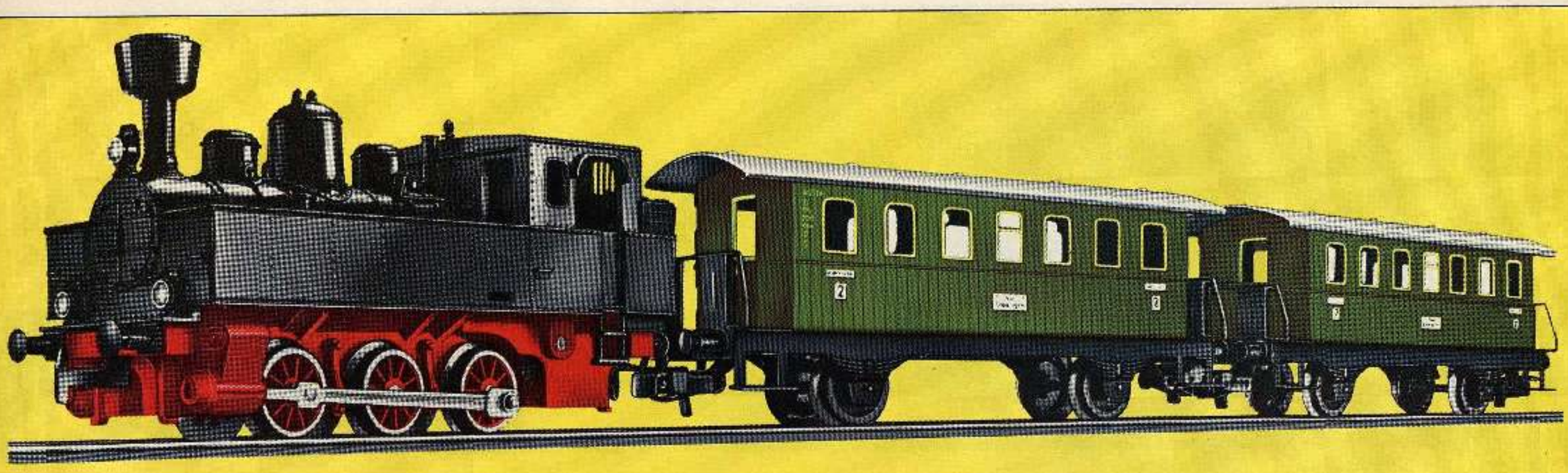
Everything big starts by being small

Almost every large model railway layout was once small. Never forget that. Particularly for children, to "start small" is always right and proper. With one of the basic sets you can make it considerably easier for yourself and your child to make a start on one of the most fascinating of hobbies. Each of the three sets is complete with train, oval track and transformer with connections for supplying current to train and lights. Naturally it gives special pleasure if, right from the start, the trains can make a "long" run, and if the cars can be switched. All you need is a supplementary track set to expand the track layout.



MärklinHO

Basic sets in gift boxes



All train sets on this page have oval track and transformer with track and lighting connections. Full extension capability.

M

2900 = 100 volt for Japan
2901 = 110 volt
2902 = 110 volt for USA
2905 = 125 volt
2909 = 240 volt for England
2914 = 220 volt for Finland
2921 = 220 volt

Passenger train with transformer

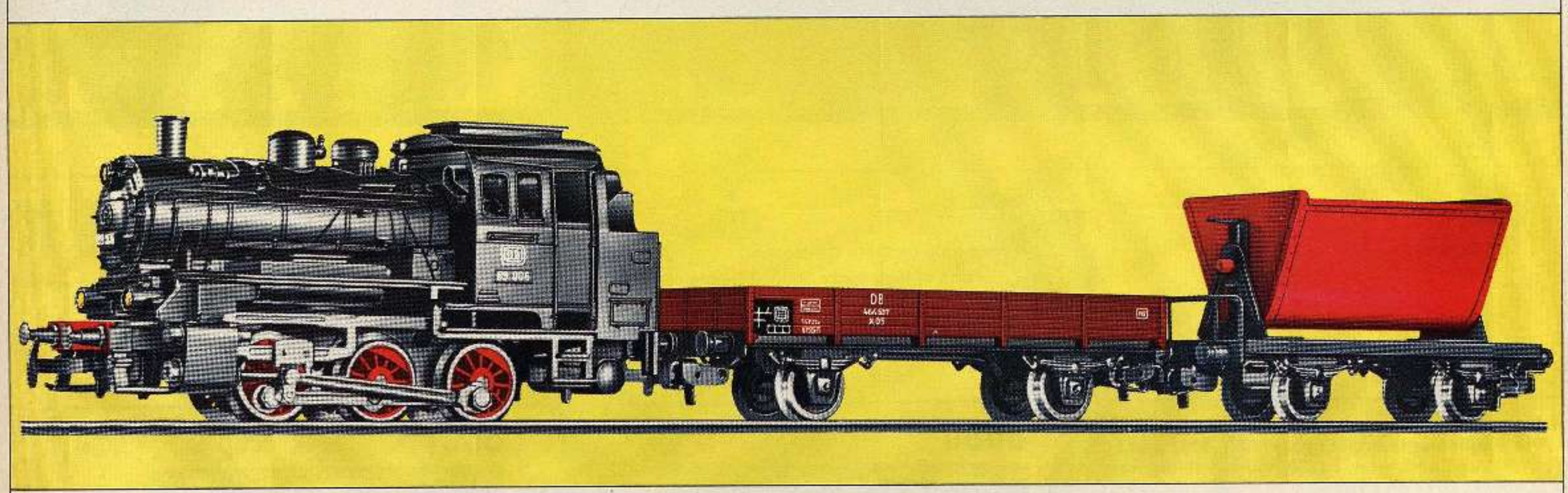
Consisting of tank locomotive, two passenger cars, 1 straight track section 5106, 1 feeder track section 5111, 8 curved track sections 5120 and 1 transformer · Length of train $13^3/_4$"

The transformer included in these gift sets, like all Märklin railroad transformers of the Groups 6500 and 6600, has connections for the track and for lighting or solenoid-operated items, and in addition will supply an overvoltage to reverse the locomotives. Bigger locomotives too, or additional turnouts or signals, can be operated by means of this transformer, which switches itself off if it is overloaded or if its temperature rises too much.

Connect the transformers only to an AC power supply

The transformers in these basic sets are not supplied separately.





M

2931 = 220 volt
2934 = 240 volt for England
2937 = 115 volt for USA
2938 = 110 volt
2961 = 125 volt
2965 = 100 volt for Japan

Freight train with transformer

Consisting of locomotive 3000, 2 freight cars, 12 curved track sections 5100, 1 straight track section 5106, 1 feeder track section 5111 and 1 transformer
Length of train $12^1/_2$"

M

2800 = 110 volt
2801 = 125 volt
2803 = 220 volt
2805 = 100 volt for Japan
2815 = 110 volt for USA
2818 = 220 volt for Finland

Freight train with transformer

Consisting of locomotive 3000, 2 freight cars, 12 curved track sections 2121, 1 straight track section 2100, 1 feeder track section 2190, 2 leads and 1 transformer · Length of train $12^1/_2$'

K

For enlarging the basic sets 2900—2921 and 2931—2965 we recommend the supplementary track sets 5090, 5091 and 5092 on page 52 and for the basic sets 2800—2818, the supplementary track set 2091 on page 57.

Exact descriptions of the items are given on pages 52 and 57.

5090



5091



5092



2091



MärklinHO

Train sets in gift boxes



Train sets without transformer, with oval track – full extension capability

The train sets are supplied in very attractive gift boxes.

3200 — M

Freight train (without transformer)

Consisting of locomotive 3000, 3 freight cars, 11 curved track sections 5100, 2 straight track sections 5106 and 1 feeder track section 5103 · Length of train 16½"



3203 — M

Freight train (without transformer)

Consisting of locomotive 3003, 3 freight cars, 11 curved track sections 5100, 2 straight track sections 5106 and 1 feeder track section 5103 · Length of train 21"

3183 — K

Freight train (without transformer)

Consisting of locomotive 3003, 3 freight cars, 12 curved track sections 2121, 1 straight track section 2100, 1 feeder track section 2190 and 2 leads · Length of train 21"

For enlarging sets 3200 and 3203 we recommend the supplementary track sets 5090, 5091 and 5092 on page 52 and for set 3183, the supplementary track set 2091 on page 57.

Accurate descriptions of these sets are given on pages 52 and 57.

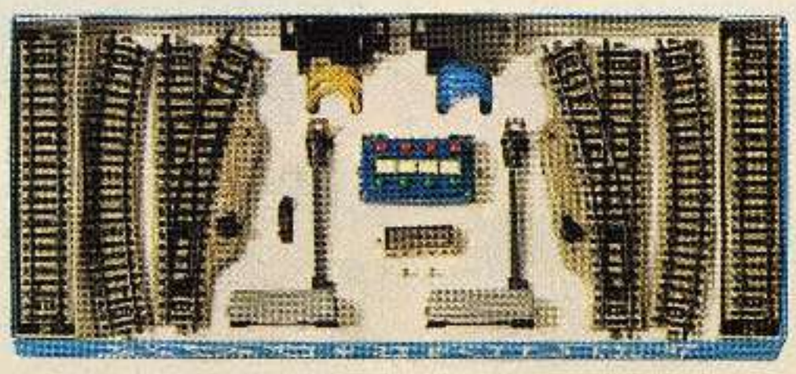
5090



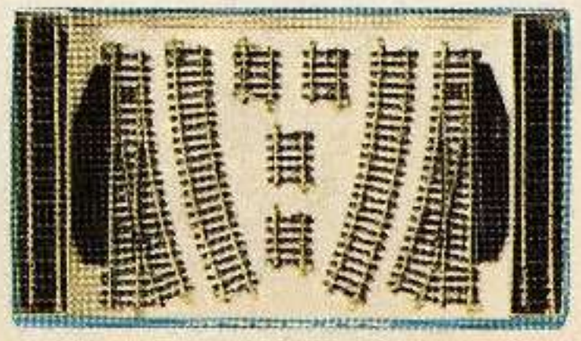
5091

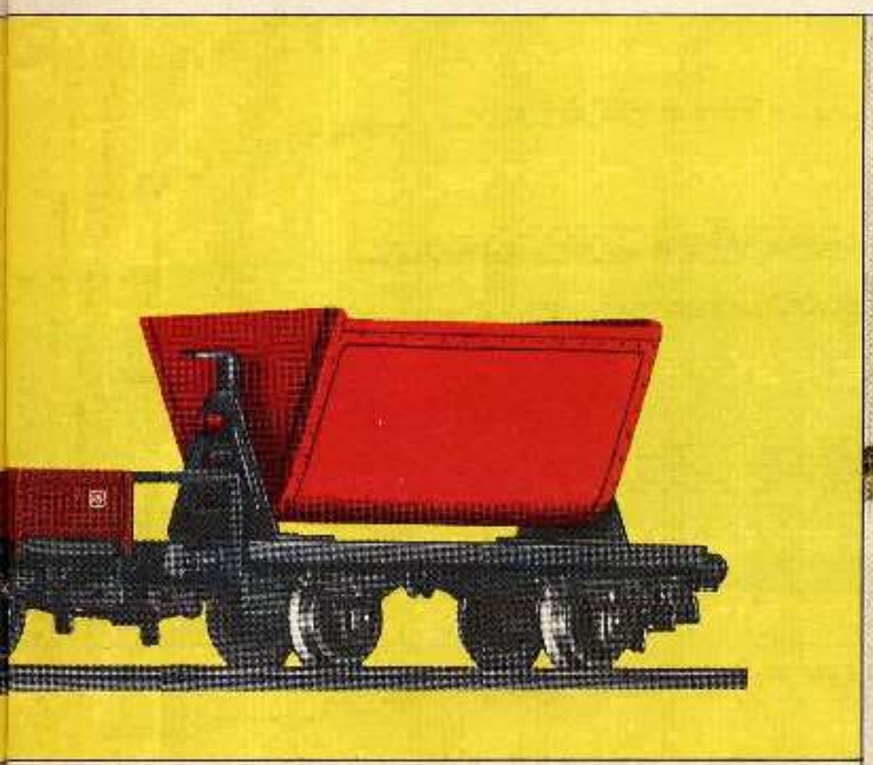


5092

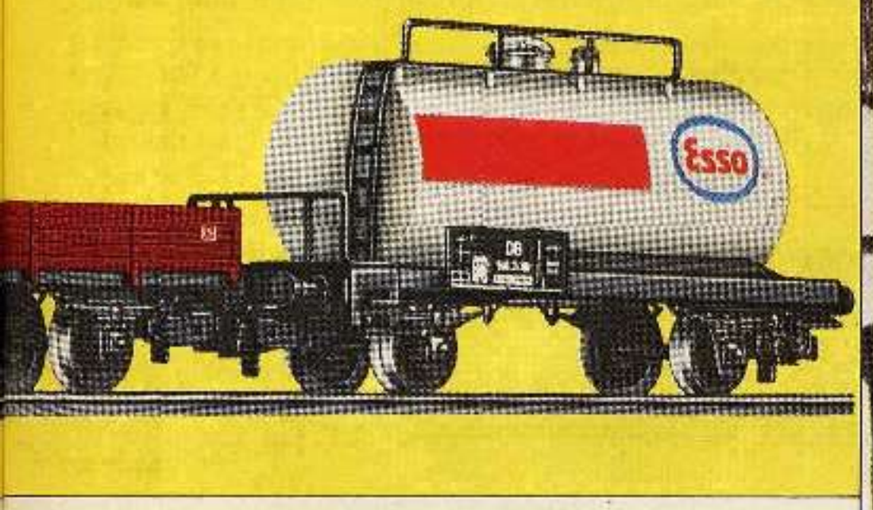


2091





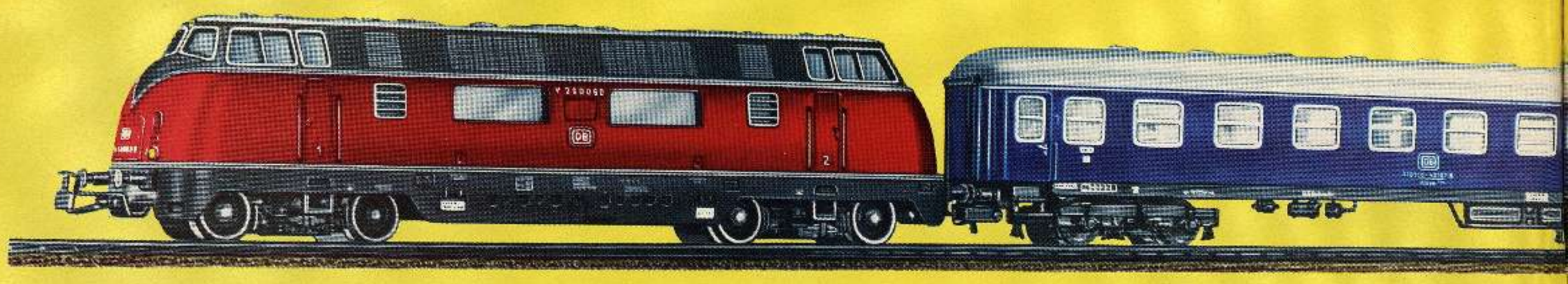


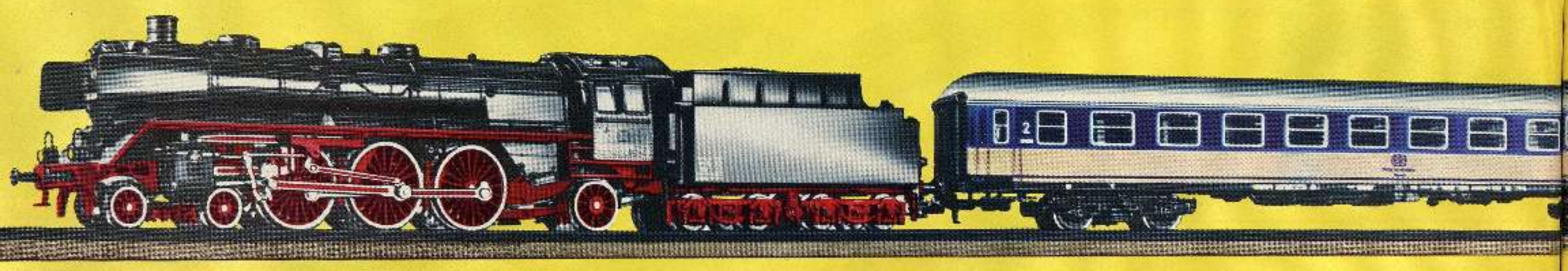


Gift boxes – a good idea

These bigger train sets not only have more cars and more track, they also have the advantage of being just as suitable for giving away as presents as for buying for oneself. What a good way to start on a bigger scale for example. The only extra purchase needed is one of the transformers on page 67 and the set is immediately ready to run.
Since these are bigger trains, a supplementary track set is highly recommended. This small outlay will considerably increase the fun to be got from the set. The pleasure grows in proportion to the length of the track.
In choosing a supplementary track set, you have not merely one, but several possibilities. That is another gratifying advantage. Amongst the sets 5090, 5091 and 5092 on page 52 and 2091 on page 57 you will certainly find the right one to suit you.

Train sets in gift boxes





Train sets without transformer, with oval track with full extension capability

3122

M

Express train (without transformer)

With diesel locomotive 3021, 2 express coaches with interior fittings, 1 baggage car with corridor, 11 curved track sections 5100, 1 feeder track section 5103 and 6 straight track sections 5106 · Length of train 38"

For enlarging the 3122 we recommend the supplementary track sets 5090, 5091 and 5092 on page 52.



Train sets in gift boxes





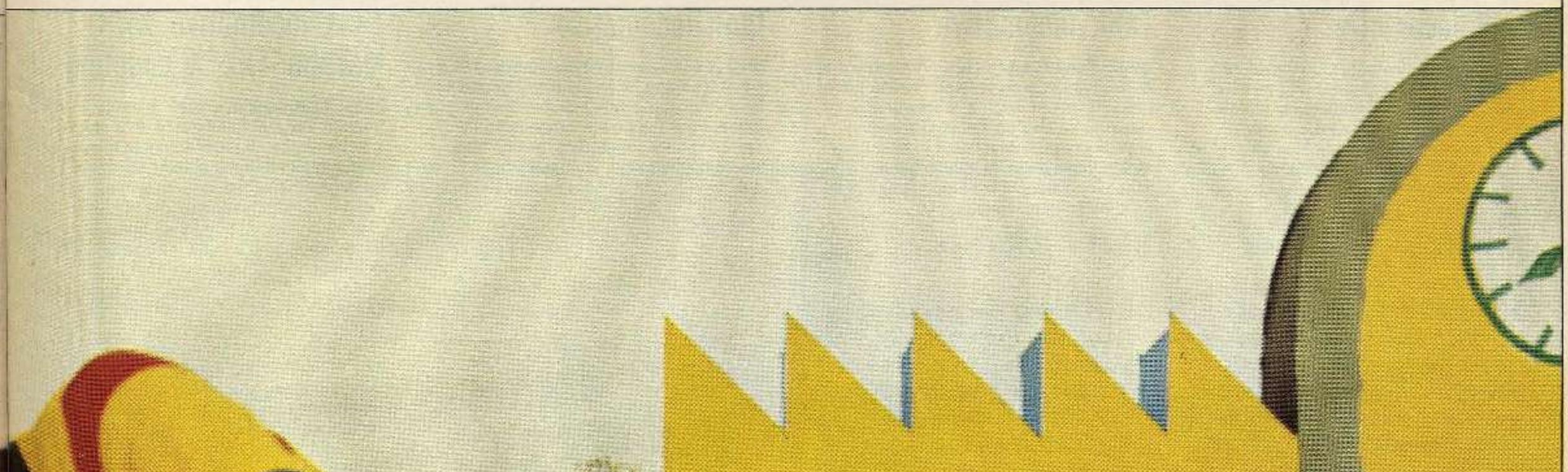
3185 NEW

3185 NEW

M

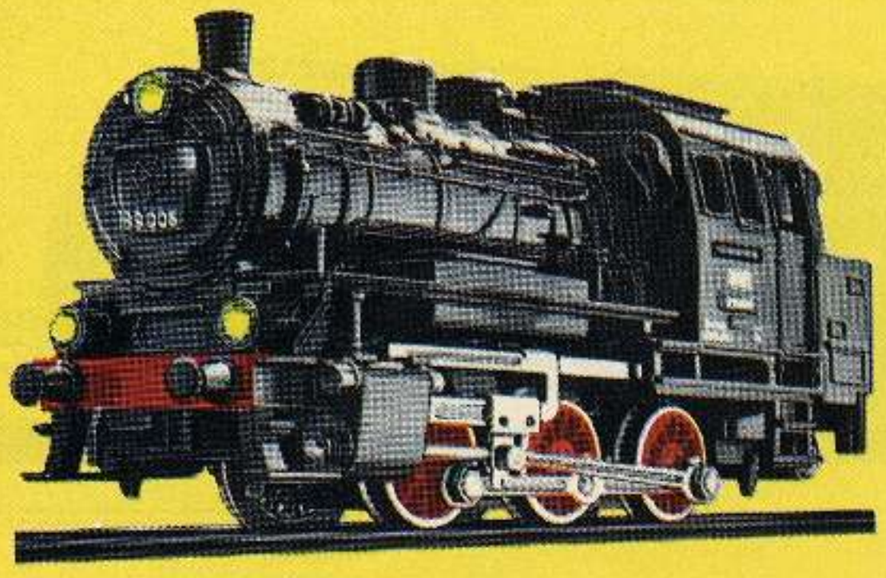
Express train with turnouts (without transformer)

With express locomotive 3085, 1 each passenger coaches 4092, 4093 and 4094, 11 curved track sections 5100, 1 feeder track section 5103, 19 curved track sections 5106, 1 straight track section 5108, 1 pair of solenoid-operated turnouts 5117, 1 control panel 7072 and 4 leads · Length of train 44"

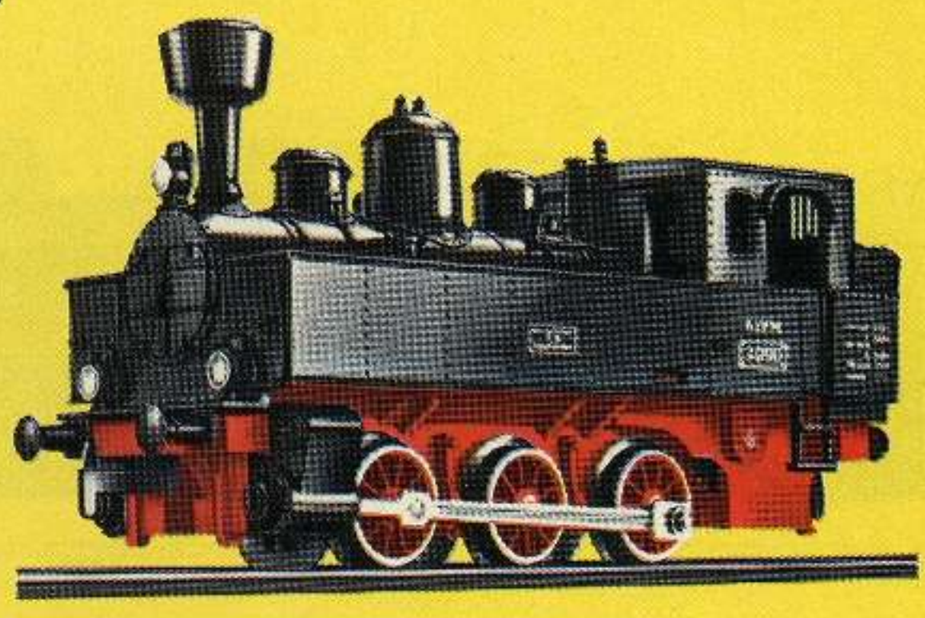


Steam locomotives

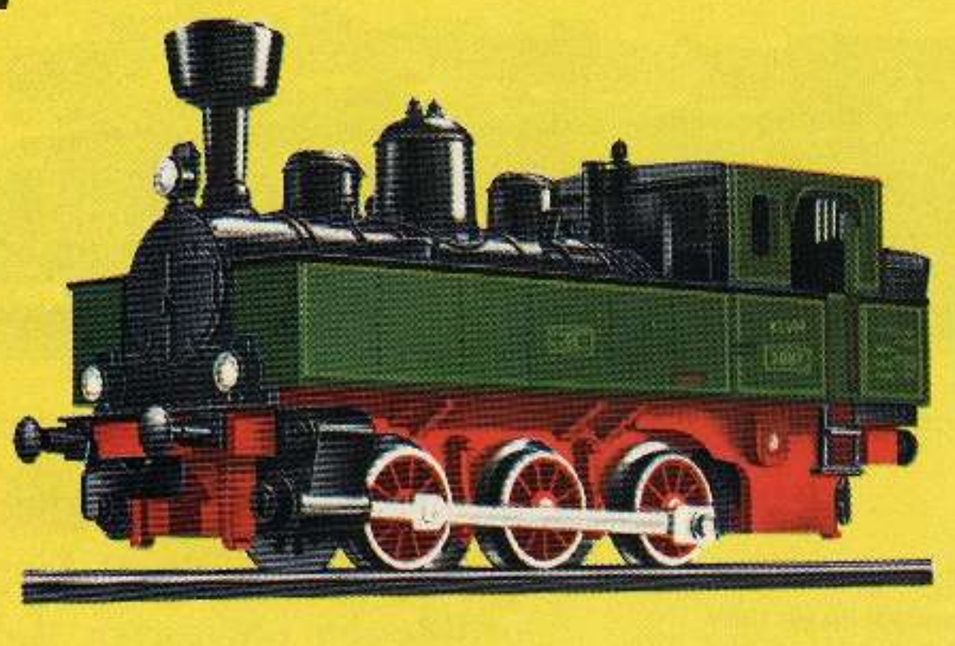
3000



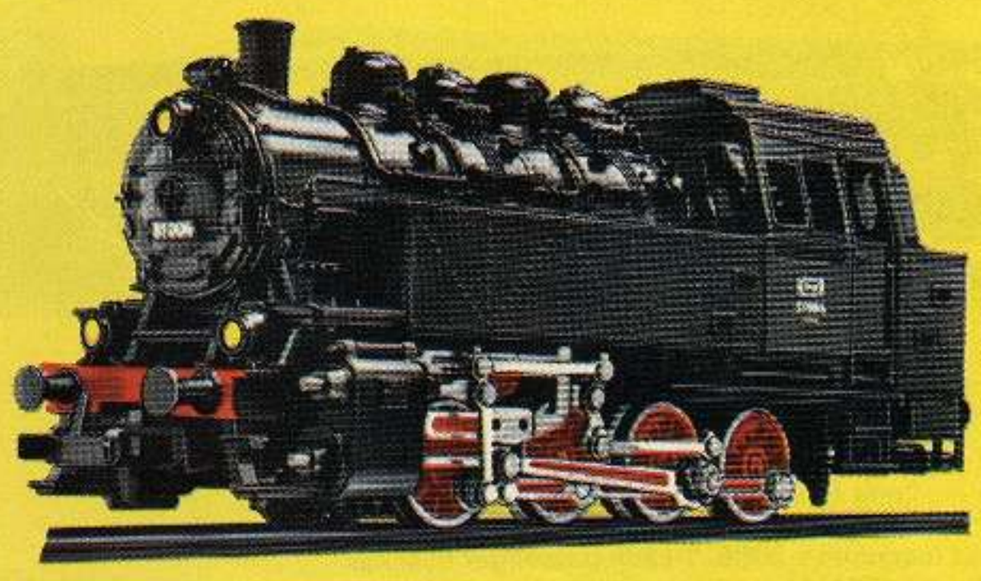
3090



3087



3031



3000
Tank locomotive

3000 Tank locomotive · A model of the 0-6-0 class 89 engine · 3 driven axles · 2 rubber tires to increase pulling power · Reversing by remote control · Three working headlights · Mat black plastic body · Die-cast zinc frame · Coupling hook at each end · $4^3/_8$" long over buffers

= 7154 = 7185 = 60010

Because of the many uses to which they can be put in passenger and freight train service and especially for switching work in switching yards, their attractive form and the ease with which they can be put on the

3087
Tank locomotive

3087 Tank locomotive · A model of a 0-6-0 type engine as used on secondary lines · 1 driven axle · 2 rubber tires to increase pulling power · Reversing by remote control · Mat black plastic body · Water tanks and drivers cab green · Die-cast zinc frame · Coupling hook at each end · $4^1/_4$" long over buffers.

= 7154 = 7185

track, many people favour these tank locomotives. Their ability to stay on curves at high speeds and to pull heavy loads, and their harmonious shape, are special advantages of these models.

3090
Tank locomotive

3090 Tank locomotive · A model of a 0-6-0 type engine as used on secondary lines · 1 driven axle · 2 rubber tires to increase pulling power · Reversing by remote control · Mat black plastic body · Die-cast zinc frame · Coupling hook at each end · $4^1/_4$" long over buffers

= 7154 = 7185

3031
Tank locomotive with Märklin TELEX coupling

3031 Tank locomotive · A model of the German Federal Railways' 0-8-0 class 81 · 4 driven axles · 2 rubber tires to increase pulling power · Simulated Heusinger valve gear · Reversing by remote control · Three working headlights at each end · Mat black metal body · Die-cast zinc frame · **Märklin TELEX coupling** at each end · 5" long over buffers

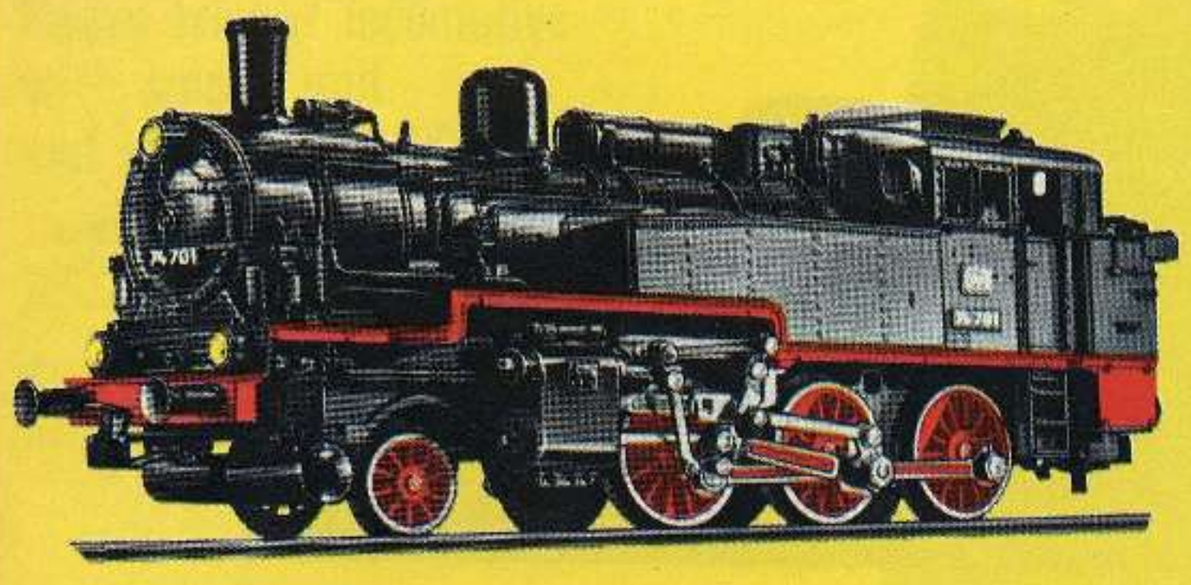
= 7154 = 7185 = 60010

The **Märklin TELEX coupling** enables the train to be uncoupled from the engine at any desired point on the system, by remote control from the transformer. The train can be coupled up again at any point, as with an automatic coupling. No extra accessories are needed.

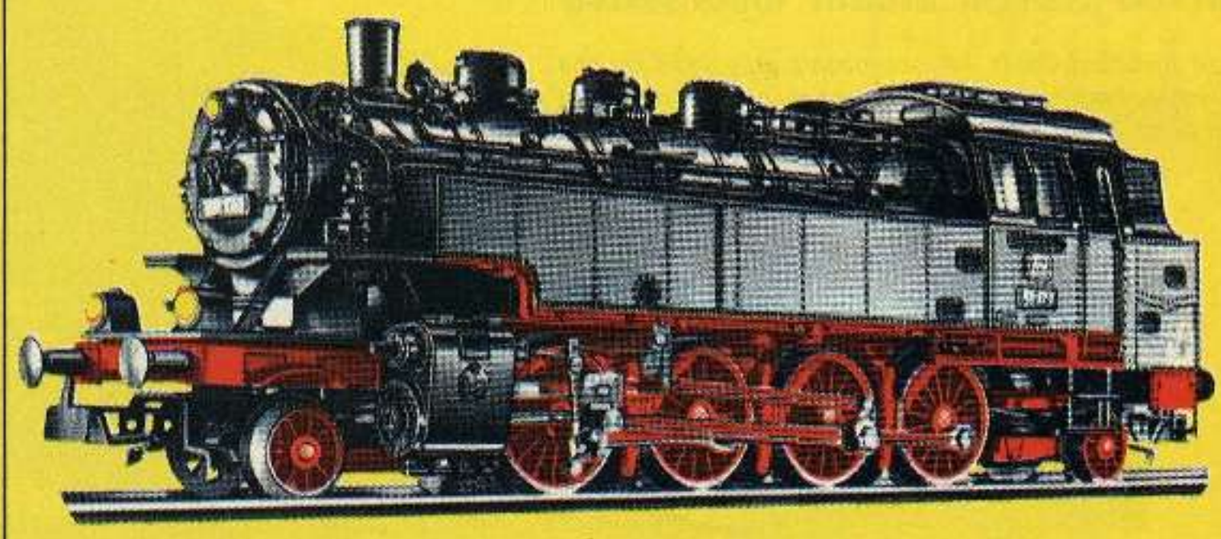
The following locomotives are equipped with Märklin TELEX coupling: 3031, 3047, 3065 and 3096.

Steam locomotives

3095



3096



3095
"BR 74", a very desirable Märklin model

The first superheated steam tank locomotives were put into service by the Berlin State Railways Directorate in 1902. They proved so successful that hundreds of engines of this type were used for suburban passenger services right up to the time when the Berlin Circle, Metropolitan and suburban lines were electrified in the nineteen-twenties. Over the years, nearly 1000 of these very reliable engines were built. When they were no longer required in Berlin they were allotted to numerous centers for use on short distance passenger services and for switching work. Their length was 38 ft. 8" to 39 ft. 8". Weighing approximately 70 t in working order, they could reach a speed of 50 miles an hour running either forward or backwards.

3095 Tank locomotive · A model of the German Federal Railways' 2-6-0 Class 74 engine · 3 driven axles · 2 rubber tires to increase pulling power · Simulated Heusinger valve gear · Reversing by remote control · Three working headlights · Mat black plastic body · Die-cast zinc frame · Coupling hook in front with advance uncoupler, automatic coupling at the rear with advance uncoupler (RELEX) · 5 1/4" long over buffers

= 7153 = 7185 = 60010

3096
"BR 86" Standard German Federal Railways' locomotive with Märklin TELEX coupling

The standard Class 86 locomotive was developed for freight and passenger service on busy secondary lines. The number of engines of this type used by the former German State Railways reached the respectable total of 774. After the war, the German Federal Railways took over 385 of them but only a few are still in service. Some of them were equipped with Krauss-Helmholtz frames which increased their speed from about 45 up to 50 miles an hour. The length of these locomotives is 46 ft. 6". With a weight of 88.5 tons in working order, the maximum axle load is 15.6 tons.

3096 Tank locomotive · A model of the German Federal Railways Class 86 2-8-2 locomotive · 4 driven axles · 2 rubber tires to increase pulling power · Simulated Heusinger valve gear · Reversing by remote control · Three working headlights at each end · Fully detailed mat black plastic body with many extras mounted · Die-cast zinc frame · **Märklin TELEX coupling** at each end · 6 1/4" long over buffers

= 7153 = 7164 = 60015

8396

The same model as 3096, but for two-rail DC operation (see page 23) and without TELEX coupling

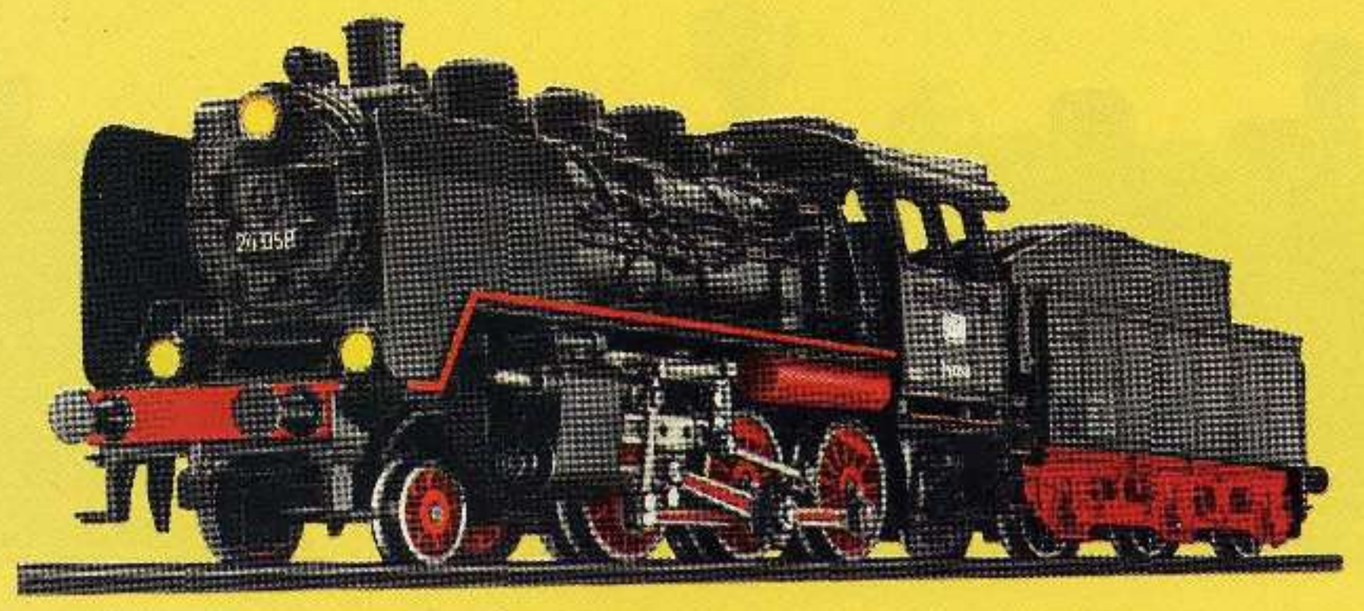
HAMO



3003

Mixed traffic steam locomotive

The standard Class 24 locomotive was used on the German Federal Railways for passenger and freight services. Its maximum speed was 56 miles an hour.

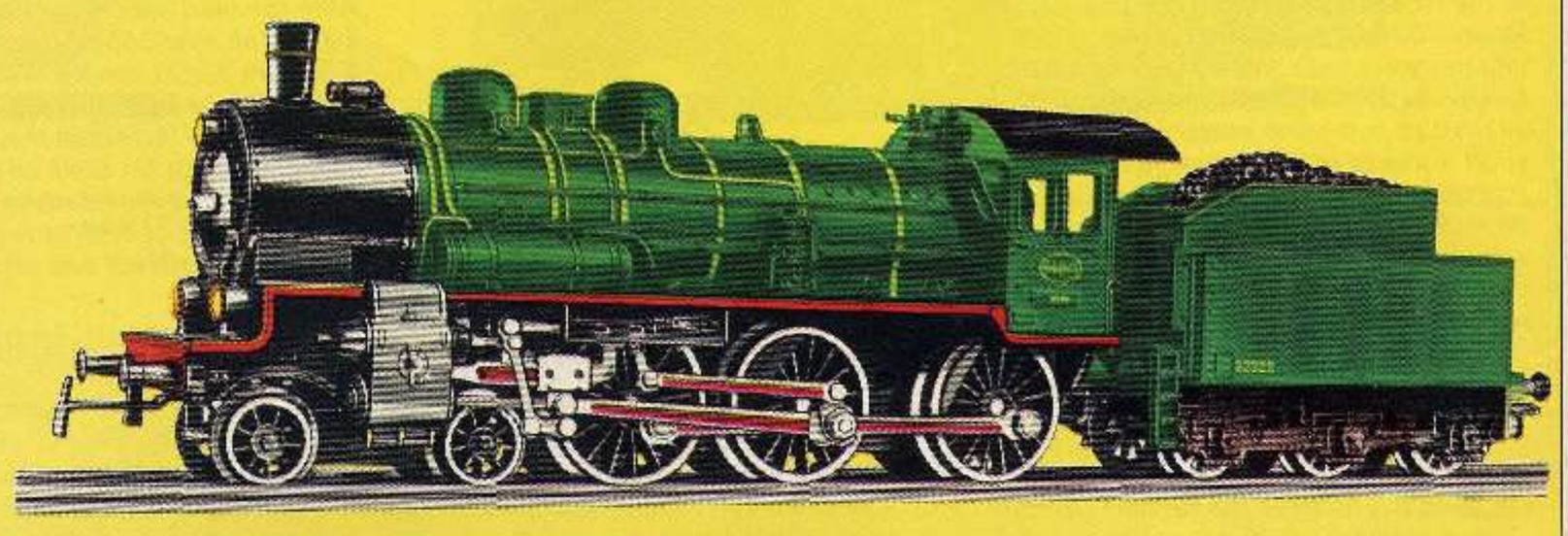


3003 Passenger locomotive with tender · A model of the German Federal Railways' 2-6-0 Class 24 engine · 3 driven axles · 2 rubber tires to increase pulling power · Simulated Heusinger valve gear · Reversing by remote control · Three working headlights · Mat black plastic body · Die-cast zinc frame · Coupling hook in front and automatic coupling with advance uncoupler (RELEX) on the tender · 8" long over buffers

= 7153 = 7185 = 60010

3086 NEW

Belgian State Railways' locomotive with tender



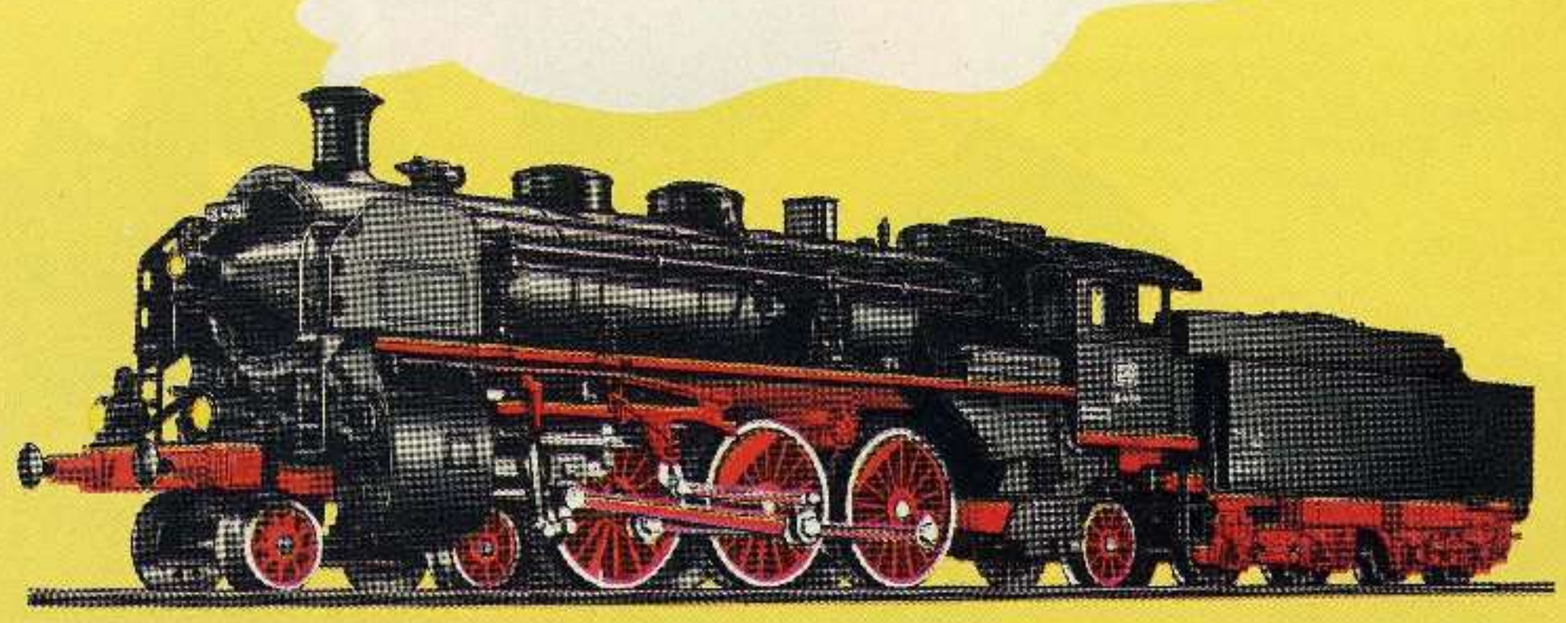
3086 Locomotive with tender · A model of the Belgian State Railways (SNCB) Class 64 4-6-0 locomotive · 3 driven axles · 2 rubber tires to increase pulling power · Simulated Heusinger valve gear · Reversing by remote control · Three working headlights · Green metal body, boiler rings and external piping bronze-coloured · Die-cast zinc frame · Coupling hook at front, automatic coupling with advance uncoupler (RELEX) on tender · $8\frac{1}{2}$" long over buffers

= 7152 = 7185 = 60015

3091

"BR 18" Express locomotive with smoke unit

Connoisseurs regard the Bavarian S 3/6 class locomotives, with their powerful cylinder group, clearly arranged underframe, fairings and typical flared smoke-stack, as the best looking of all steam locomotives. The S 3/6's, whose designation was later changed to Class 18⁴ by the German Federal Railways, were often used to pull international expresses, including the famous "Rheingold" not only because of their appearance but because of their excellent performance. They reached a maximum speed of 75 mph with a weight in working order of 92.3 tons. There were just over 69 feet long over the buffers. The last engine of this class, No. 18478, was taken out of service in July 1960.



8391

HAMO

The same model as 3091 but for two-rail DC operation (see page 23)

3091 Express locomotive with tender · A model of the 4-6-2 Class 18 German Federal Railways' locomotive (Bavarian S 3/6 series i) · 3 driven axles · 2 rubber tires to increase pulling power · Simulated Heusinger valve gear · Reversing by remote control · **Device to produce very realistic smoke** consisting of a smoke unit built into the locomotive and a capsule containing oil to produce smoke (refill capsule 0241 see page 64), with a syringe for filling up with oil · Three working headlights · Mat black metal body · Fully detailed valves and fittings · Die-cast frame · Automatic coupling with advance uncoupler (RELEX) on the tender · 10" long over buffers

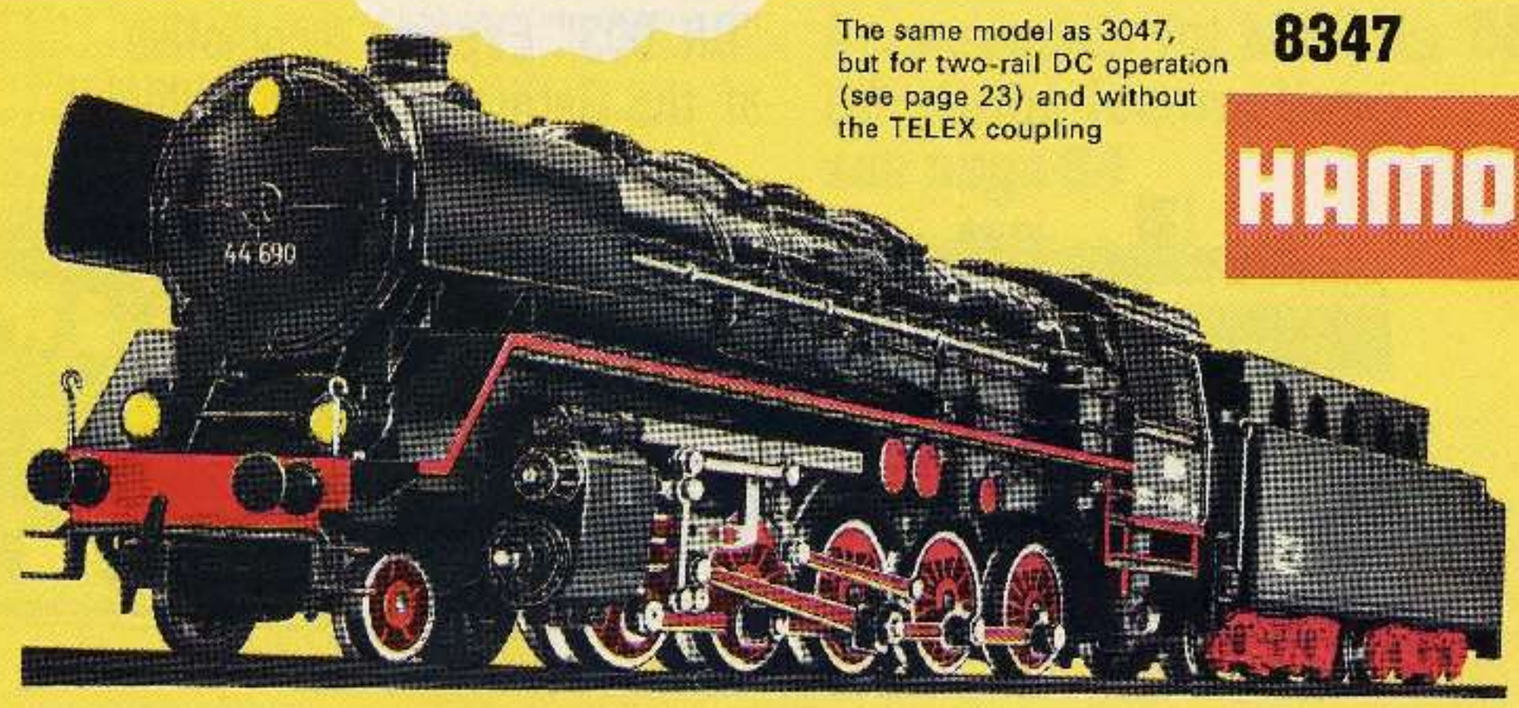
= 7152 = 7185 = 60015

Steam locomotives

3047

Heavy freight locomotive with smoke unit and Märklin TELEX coupling

This Class 44 is one of the most powerful steam locomotives in freight service on the German Federal Railways, devloping nearly 2000 HP. This majestic engine is seen on long distance runs in areas which have not yet been electrified. Because this magnificent locomotive makes such a particularly powerful impression, we have taken meticulous care in modelling it.



The same model as 3047, but for two-rail DC operation (see page 23) and without the TELEX coupling

8347

HAMO

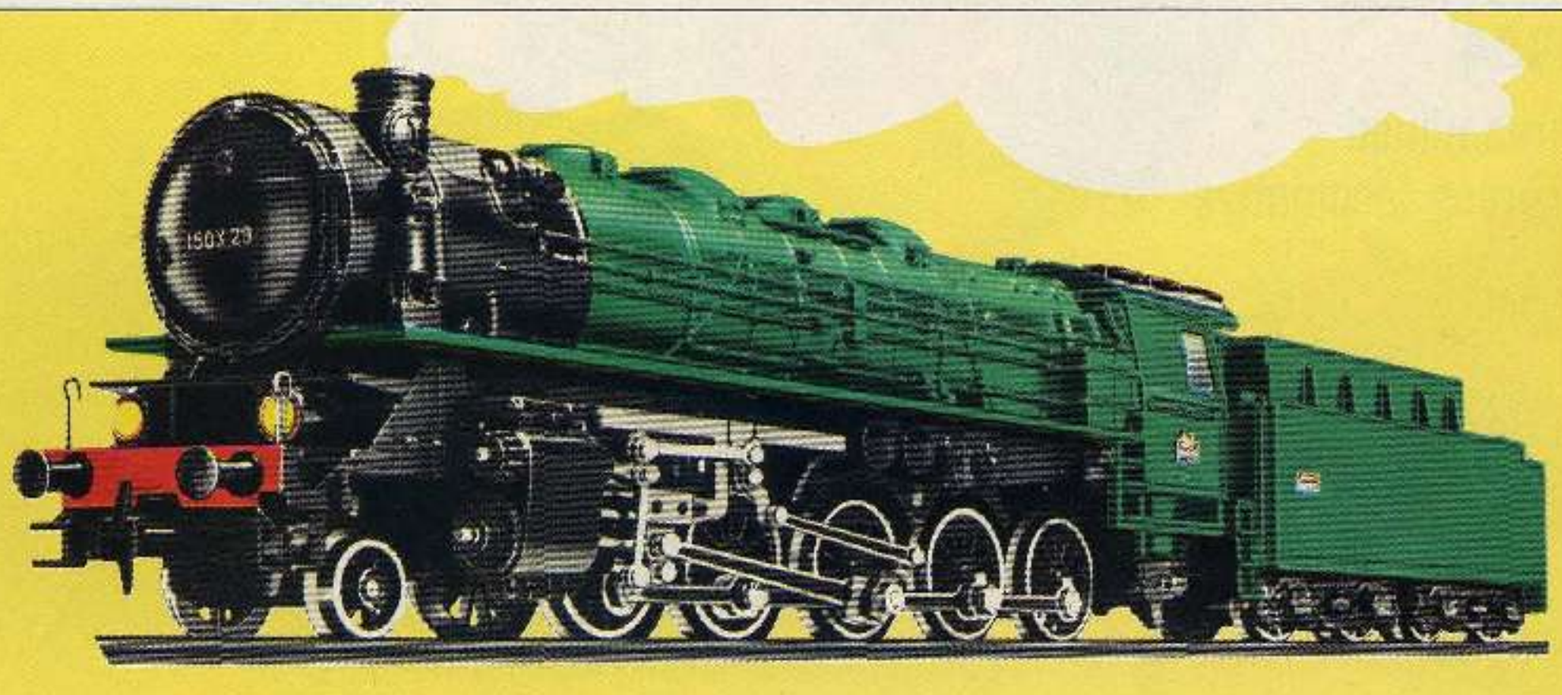
3047 Heavy freight locomotive with tender · A model of the German Federal Railways' Class 44 2-10-0 locomotive · The locomotive and tender are permanently connected together · Excellent running characteristics and easy running on curves are obtained in spite of the 5 driven axles, by dividing the frame into two different groups of driving wheels · 4 rubber tires to increase pulling power · Simulated Heusinger valve gear · Reversing by remote control · **Device for producing very realistic smoke,** consisting of the smoke unit fitted in the locomotive, substitute steam pipe, cleaning wire, tweezers and a capsule of oil for producing the smoke (refill capsule 0241 see page 64) · Three working headlights · Dull black metal body · Die-cast zinc frame · Coupling hook in front, **Märklin TELEX coupling** on the tender · 11" long over buffers

The **Märklin TELEX coupling** on the tender enables the train to be uncoupled from the tender at any point in the system, by remote control from the transformer. The train can be coupled up again at any point, as with an automatic coupling. No extra accessories are needed.

= 7153 = 7175 = 60010

3046

French Railways' heavy freight locomotive with smoke unit



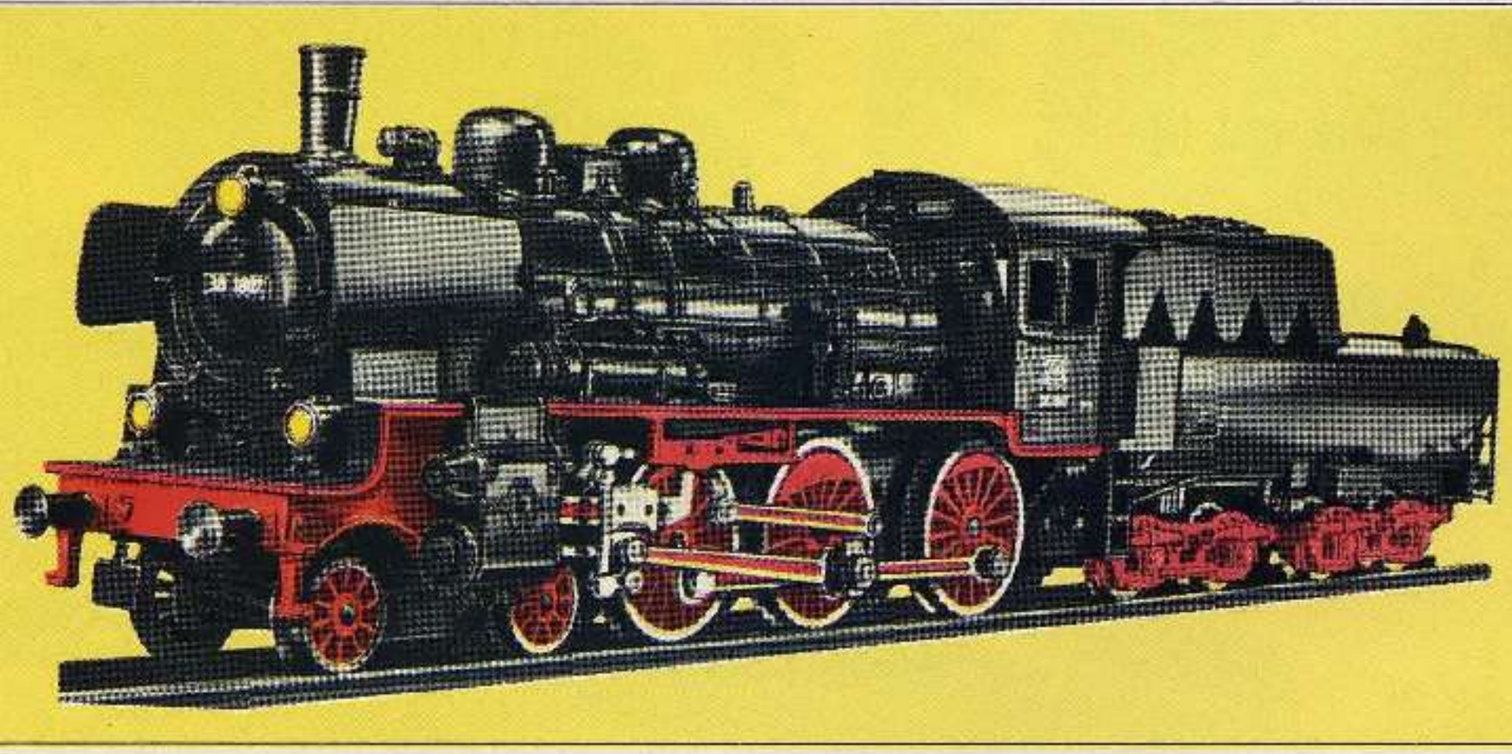
3046 Heavy freight locomotive with tender · A model of the Class 150 X 2-10-0 locomotive of the French State Railways (Société Nationale des Chemins de Fer Français or SNCF) · Excellent running characteristics and easy running on curves are obtained in spite of the 5 driven axles, by dividing the frame into two different groups of driving wheels linked together · 4 rubber tires to increase pulling power · Simulated Heusinger valve gear · Reversing by remote control · **Device for producing very realistic smoke,** consisting of a smoke unit fitted in the locomotive, substitute steam pipe, cleaning wire, tweezers and a capsule of oil for producing smoke (refill capsule 0241, see page 64) · 2 working headlights · Dark green metal body · Die-cast zinc frame · Coupling hook in front, automatic coupling with advance uncoupler (RELEX) on the tender · 11" long over buffers

= 7153 = 7175 = 60010

3098

The handsome "P 8" as a Märklin model

The P 8 was built in Berlin by Schwarzkopff as far back as 1906 and it was used by the Prussian State Railways for local and express services. Because of its reliability, it remained one of the preferred types of locomotive for many years in some of the regions in spite of it being approved for a maximum speed of 63 mph only. Altogether 3800 of these locomotives were built by a number of different firms. A few of them are still running on the Federal Railways' tracks.



8398

HAMO

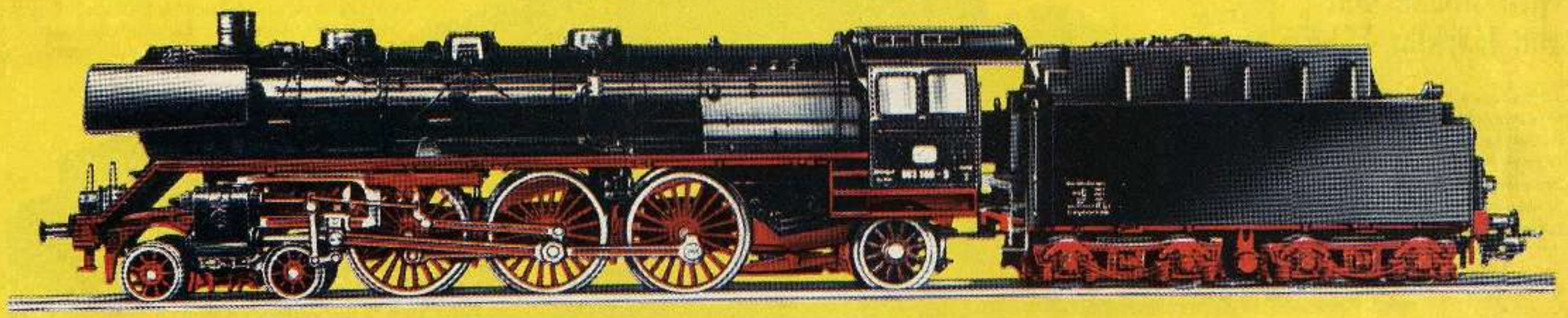
The same model as 3098, but for two-rail DC operation (see page 23)

3098 Locomotive with tender · A model of the German Federal Railways' Class 38 4-6-0 locomotive · 3 driven axles · 2 rubber tires to increase pulling power · Simulated Heusinger valve gear · Reversing by remote control · Three working headlights · Mat black metal body with detailed imitation of the valves and fittings on the boiler and in the driver's cab · Die-cast zinc frame · Trough shaped tender with two bogies · Coupling hook in front, automatic coupling with advance uncoupler (RELEX) on the tender · $9^{3}/_{8}$" over buffers

= 7152 = 7185 = 60015

3085 NEW

"BR 003" Express locomotive
of the German Federal Railways



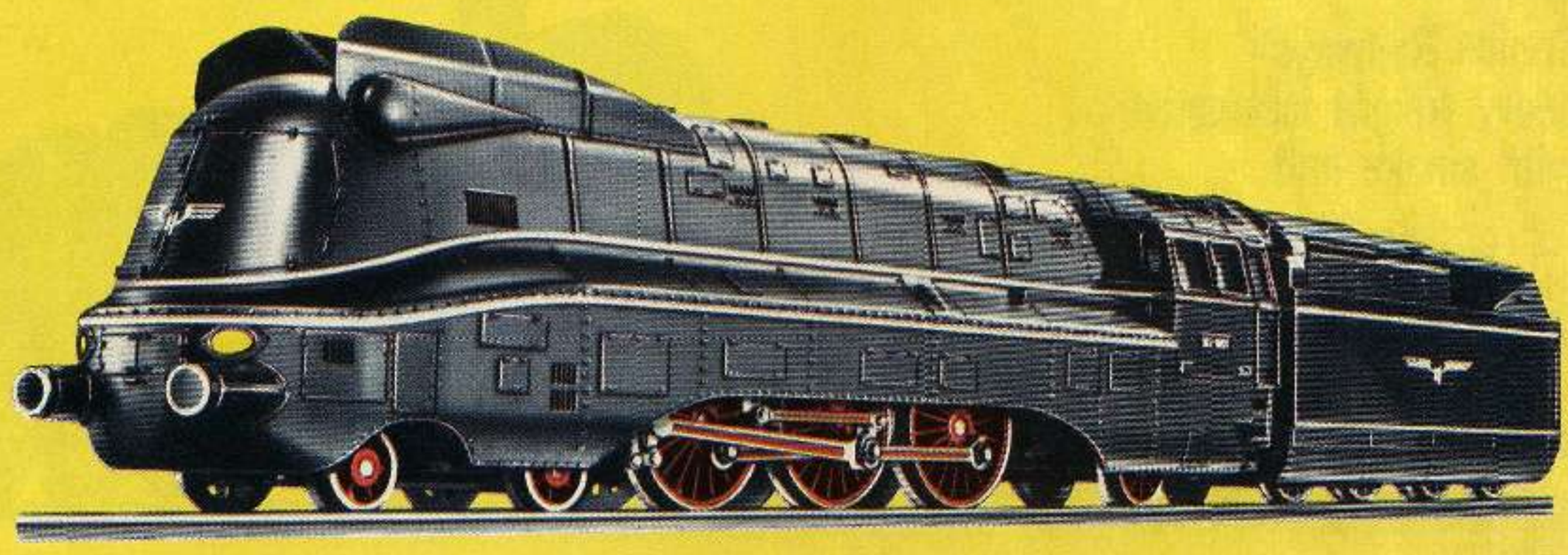
The former German State Railways used about 300 locomotives of the Class 03 (now called Class 003) as a somewhat lighter variant of Class 01, for pulling express trains on tracks which were not approved for axle loads of 20 t. They produced 1980 HP giving a top speed of 80 mph. Coupled to the tender T 32 the overall length over the buffers was 78 feet.

3085 Express locomotive with tender · A model of the German Federal Railways' Class 003 4-6-2 locomotive · 3 driven axles · 2 rubber tires to increase pulling power · Simulated Heusinger valve gear · Reversing by remote control · Three working headlights · Very finely detailed mat black metal body · Die-cast zinc frame · Automatic coupling with advance uncoupler (RELEX) on the tender · $10^3/_4$" long over buffers · **The locomotive is arranged for the smoke unit 7226 to be fitted (see page 64)**

= 7152 = 7164 = 60015

3094

Streamlined
express locomotive "03^{10}"



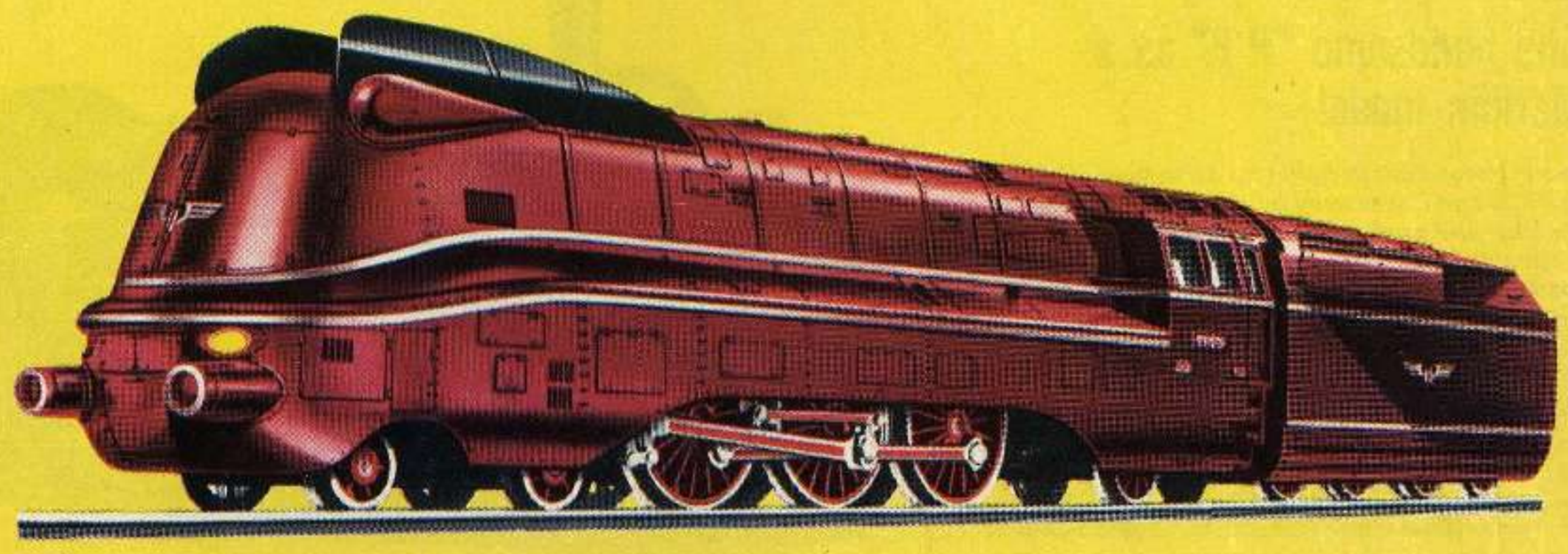
After streamlined fairings had proved themselves on other locomotives by reducing the wind resistance at high speeds, the Class 03^{10} locomotives with three-cylinder engines were put into service with streamlined fairings in 1937. For easier maintenance however the driving wheels were left uncovered. This class was developed as a lighter version of the Class 01 with an original axle load of 17 tons and a top speed of 85 mph.

3094 Streamlined express locomotive with tender · A model of the 4-6-2 Class 03^{10} locomotive · 3 driven axles · 2 rubber tires to increase pulling power · Simulated Heusinger valve gear · Reversing by remote control · 2 working headlights · Mat black streamlined metal body with silver stripes · Fully detailed cab and boiler valves and fittings · Die cast zinc frame · Automatic coupling with advance uncoupler (RELEX) on the tender · $10^3/_4$" long over buffers

= 7152 = 7185 = 60015

3089

"03^{10}" - Dark red finish



8389

HAMO

The same model as 3089, but for two-rail DC operation (see page 23)

3089 Streamlined express locomotive with tender · The same model as 3094, but with dark red streamlined body with silver stripes · Black wind deflectors

= 7152 = 7185 = 60015

Information

HAMO

HAMO locomotives for two conductor DC operation are fitted with permanent magnet motors. Reversal of direction is effected by reversing the polarity of the traction current. On electric locomotive types, the headlights change ends on reversing.
These models can be operated on any tracks which conform the NEM standards. A replacement set of couplings is supplied with each locomotive to enable rolling stock of other makes to be coupled up.
HAMO locomotives are made by Märklin.

Accessories for Märklin HO-gauge locomotives

see page 64

Pantographs
Pairs of carbon brushes
Oil bottles, Smoke oil
Reverser unit springs
Rubber tires
Current pick-up shoes
Light bulbs



Electric locomotives

3044
Electric switching locomotive "EA 800"

Locomotives of this type were designed for heavy track and switching service on industrial lines, and for transferring cars to mainline railroads. They can draw power either from overhead lines or from internal batteries. Maximum speed is approximately 35 mph. The locomotive with single-axle drive develops 39 000 lbs tractive force. It weighs 60 tons and is 35 feet long.



3044 Electric locomotive · A model of a multi-system industrial locomotive of Type EA 800 · Six-wheeled with all three axles driven · 2 rubber tires to increase pulling power · Reversing by remote control · Switch lever to permit selection of operation from the overhead line or the track contacts · Three working headlights at each end · Red plastic body · Single-bar pantograph mounted on roof · Die-cast zinc frame · Fully detailed journal boxes · Coupling hook at each end · 4 1/2" long over buffers

= 7154 = 7166 = 60015

3022
"194" Heavy electric freight locomotive

The Class 194 locomotive is the workhorse of the railways. The starting power of the six motors applies 6350 HP to the wheels. With a service weight of 120 tons they have a maximum starting tractive force of 40 tons. They reach a top speed of only about 56 mph it is true, but on the other hand, even with the heaviest freight train, no gradient is too much for them. 124 of these 70-foot long giants are in service on the German Federal Railways.



8322

HAMO

The same model as 3022, but for two-rail DC operation (see page 23)

3022 Electric freight locomotive · A model of the Federal German Railways 0-6-6-0 Class 194 locomotive · 3 driven axles · 4 rubber tires to increase pulling power · Reversing by remote control · 3 working headlights at each end · Switch lever for selecting operation from the overhead line or the track contacts · Two spring-loaded pantographs on roof · Green, three-section metal body · Silver-coloured roof · Inset windows with plastic frames · Automatic coupling with advance uncoupler (RELEX) at each end · 8 1/4" long over buffers

= 7153 = 7164 = 60015

3054
Express locomotive "103"

This is at present the most stylish, most powerful and fastest of the German Federal Railways' express electric locomotives. 62 feet long, its six axles are driven by six motors developing nearly 9000 HP. Its service weight is 112 t and the mighty tractive force of 32 t takes account of future requirements. On suitable tracks, expresses pulled by the "103" electric locomotives travel at maximum speeds of 125 mph. All the splendid features of the original are captured in the small Märklin model.



3054 Electric express locomotive · A model of the German Federal Railways' 0-6-6-0 Class 103 locomotive · 3 driven axles · 4 rubber tires to increase pulling power · Reversing by remote control · Three working headlights at each end · Switch lever for selecting operation from the overhead line or the track contacts · Die-cast zinc frame · Fixed buffer beams · Specially low centre of gravity · Plastic body in the TEE colours, beige and red · Aluminium-coloured roof superstructure · Inset windows with plastic frames · 2 spring-loaded pantographs on roof · Coupling hook at each end · 8 1/2" long over buffers

= 7153 = 7164 = 60015

Electric locomotives



3034
"141" The multi-purpose electric locomotive

The class 141 has an in-service weight of 66.4 tons and a length of 50 feet. The 4 traction motors develop about 3100 HP giving a maximum speed of 75 mph. It is used for passenger and freight services.

3034 Electric locomotive · A model of the German Federal Railways 0-4-4-0 Class 141 locomotive · 2 driven axles · 4 rubber tires to increase pulling power · Reversing by remote control · Three working headlights at each end · Switch lever for selecting operation from the overhead line or the track contacts · 2 spring-loaded pantographs on roof · Blue metal body · Fixed buffer beams · Silver-coloured roof · Coupling hook with advance uncoupler at each end · 7" long over buffers

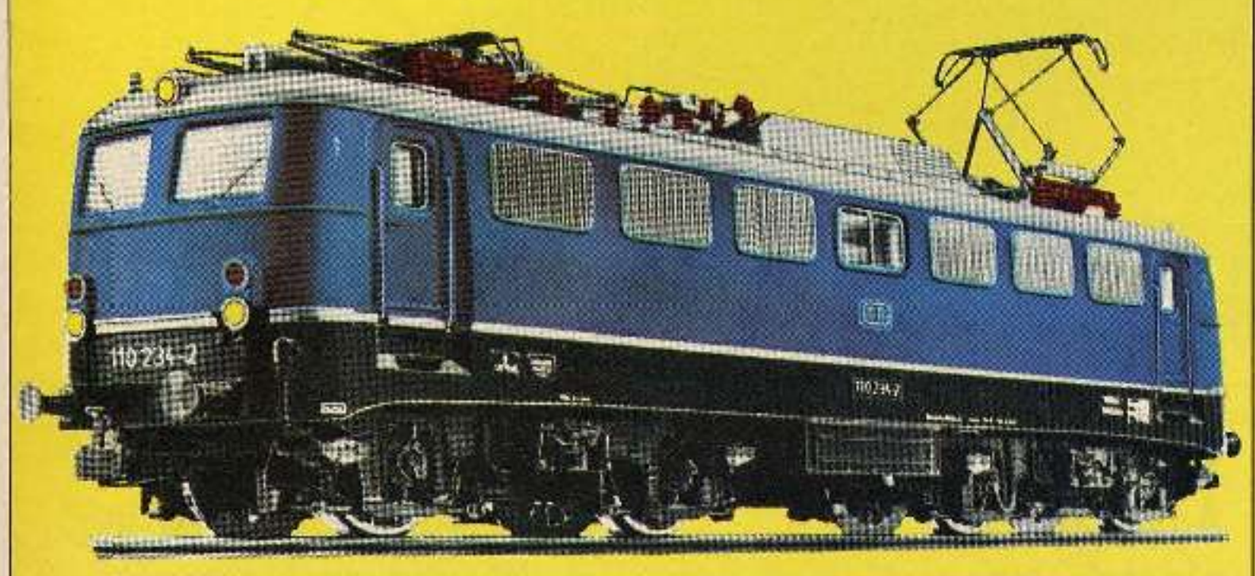
= 7153 | = 7164 | = 60015



3037

3037 Electric locomotive · A model of the German Federal Railways' Class 141 locomotive · Similar to 3034, except that the body is green

= 7153 = 7164 = 60015



3039
Electric express locomotive "110"

The electric locomotives of Classes 110 and 140 were purchased by the German Federal Railways from 1956 on. The "110" is used as an express locomotive with an authorised maximum speed of 90 mph, while the "140" is used as a freight locomotive with an authorised maximum speed of 70 mph. Both of them have four traction motors developing together about 5000 HP, but the power is transmitted to the driving wheels through different gears. The locomotives weigh 85 tons and are nearly 50 feet long over the buffers.

3039 Electric express locomotive · A model of the German Federal Railways' 0-4-4-0 Class 110 locomotive · 2 driven axles · 4 rubber tires to increase pulling power · Reversing by remote control · Three working headlights at each end · Switch lever for selecting operation from the overhead line or the track contacts · Blue metal body · Fixed buffer beams · Scale reproduction of all roof details · 2 spring-loaded pantographs on roof · Silver-coloured roof · Inset windows with plastic frames · Coupling hook with advance uncoupler at each end · $7^1/_8$" long over buffers

= 7153 = 7164 = 60015



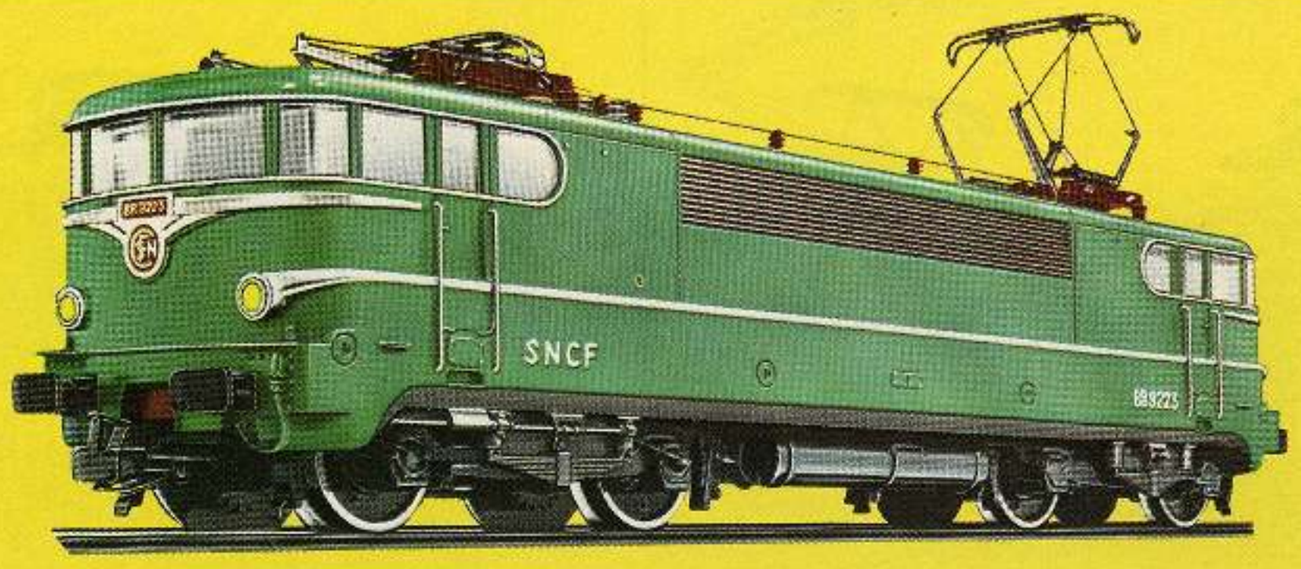
3040
"140" German freight locomotive

3040 Electric freight locomotive · A model of the German Federal Railways' 0-4-4-0 Class 140 locomotive · 2 driven axles · 4 rubber tires to increase pulling power · Reversing by remote control · Three working headlights at each end · Switch lever for selection of operation from the overhead line or the track contacts · Green metal body · Fixed buffer beams · Scale reproduction of the roof items · 2 spring-loaded pantographs on roof · Silver-coloured roof · Inset windows with plastic frames · Coupling hook with advance uncoupler at each end · $7^1/_8$" long over buffers

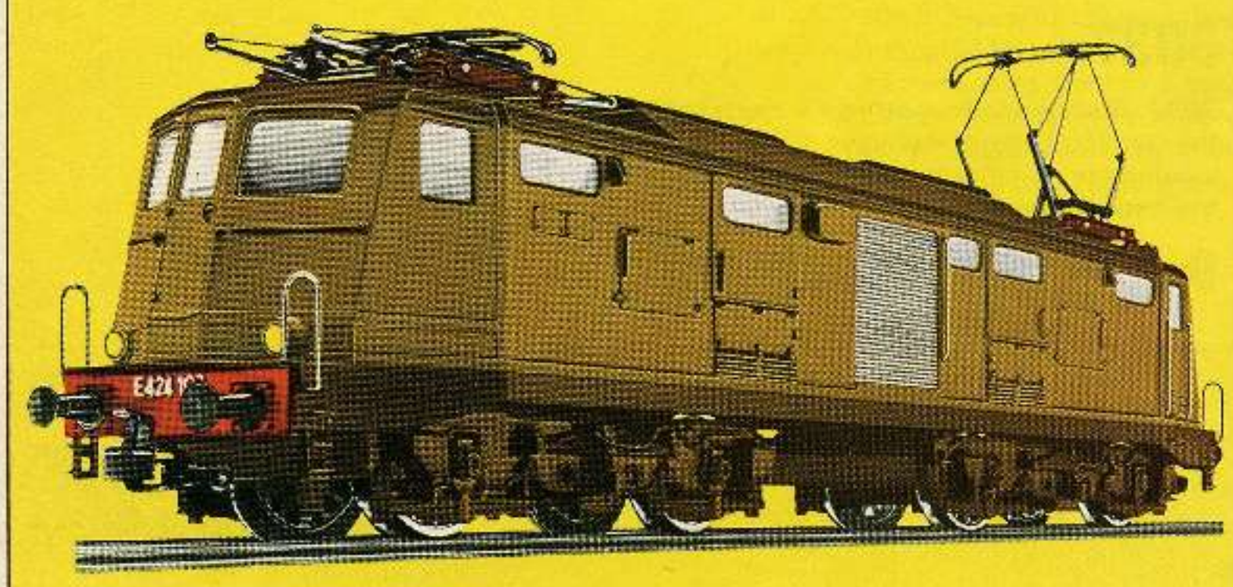
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Electric locomotives

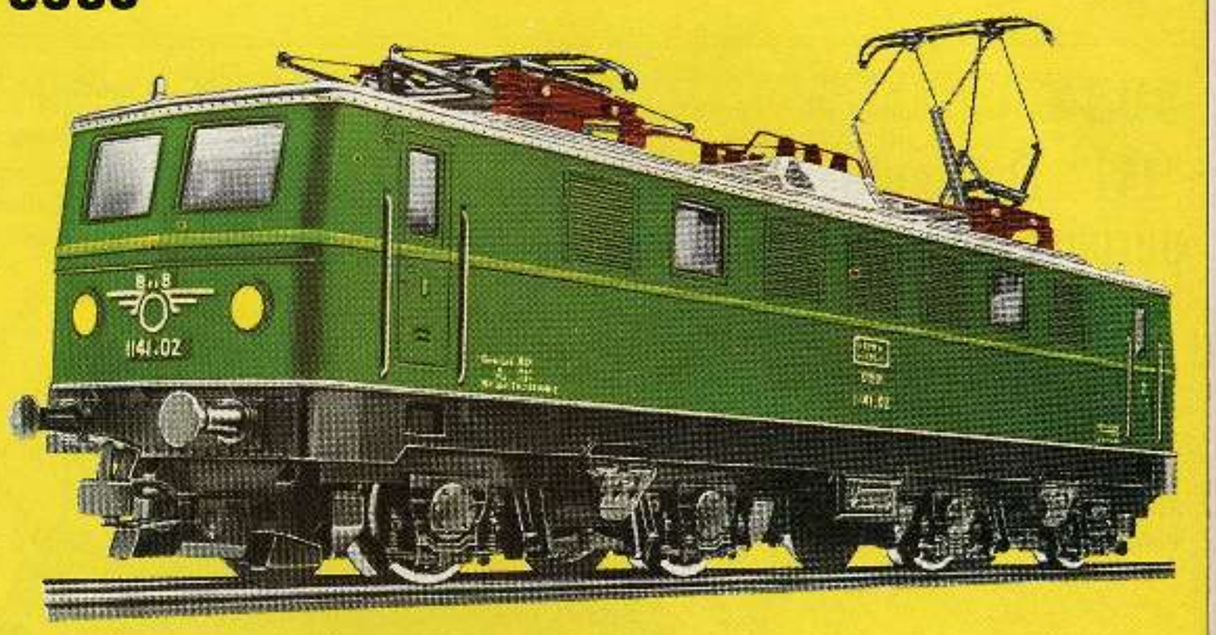
3038



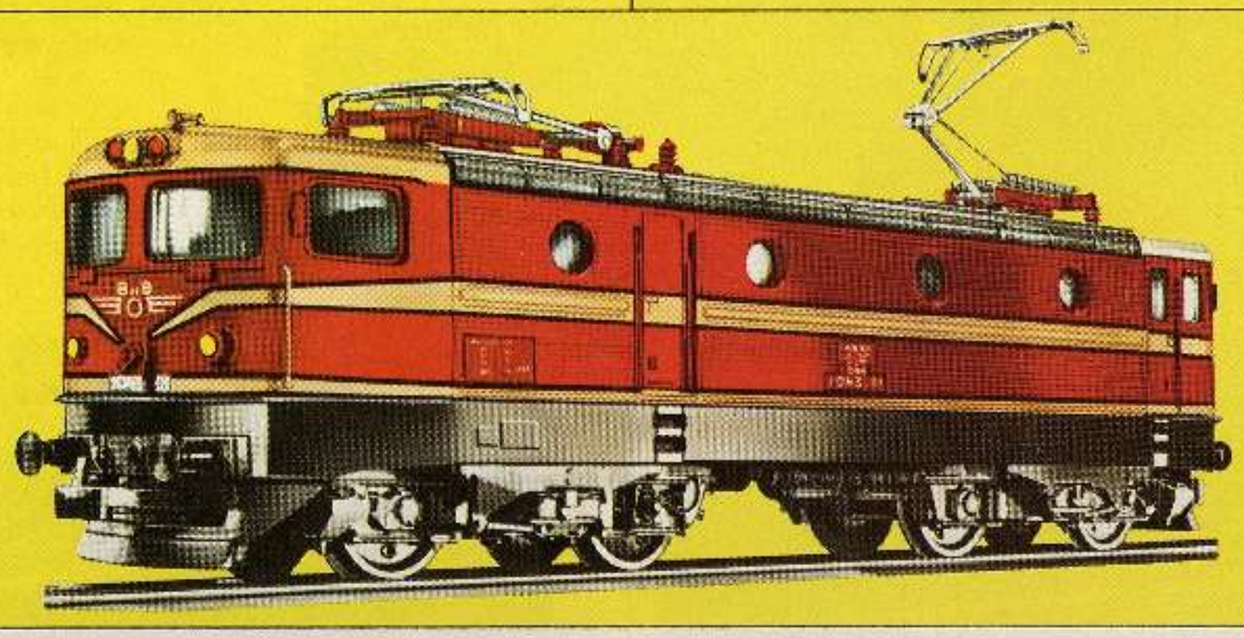
3035



3036



3041 NEW



3038
French high-power electric locomotive

The French prototype of our model 3038 runs on certain stretches of the French railways at a maximum speed of 100 mph. The locomotives of Class BB 9200 have four traction motors developing together 5500 HP. They weigh 80 tons.

3038 Electric locomotive · A model of the 0-4-4-0 Class BB 9200 locomotive of the French Railways (Société Nationale de Chemins de Fer Français or SNCF) · 2 driven axles · 4 rubber tires to increase pulling power · Reversing by remote control · 2 working headlights at each end · Switch lever for selecting operation from the overhead line or the track contacts · 2 spring-loaded pantographs on roof · Turquoise metal body · Fixed buffer beams · Coupling hook with advance uncoupler at each end · 7" long over buffers

= 7153 = 7164 = 60015

3035
Italian electric locomotive

3035 Electric locomotive · A model of the Italian State Railways' 0-4-4-0 Class E 424 locomotive · 2 driven axles · 4 rubber tires to increase pulling power · Reversing by remote control · 2 working headlights at each end · Switch lever for selecting operation from the overhead line or the track contacts · 2 spring-loaded pantographs on roof · Brown metal body · Fixed buffer beams · Coupling hook with advance uncoupler at each end · $6^7/_8$" long over buffers

= 7153 = 7164 = 60015

3036
Austrian electric locomotive

The Austrian Class 1141 electric locomotive is in service mainly in regions where the conditions are favorable as regards gradients and curves. The locomotive, which is used for mixed traffic, weighs 80 tons, develops 3400 HP, and has a top speed of 69 mph.

3036 Electric locomotive · A model of the Austrian State Railways' 0-4-4-0 Class 1141 locomotive · 2 driven axles · 4 rubber tires to increase pulling power · Reversing by remote control · 2 working headlights at each end · Switch lever for selecting operation from overhead wire or the track contacts · 2 spring-loaded pantographs on roof · Green metal body · Fixed buffer beams · Coupling hook with advance uncoupler at each end · $6^7/_8$" long over buffers

= 7153 = 7164 = 60015

3041 NEW
Austrian State Railways' multipurpose locomotive

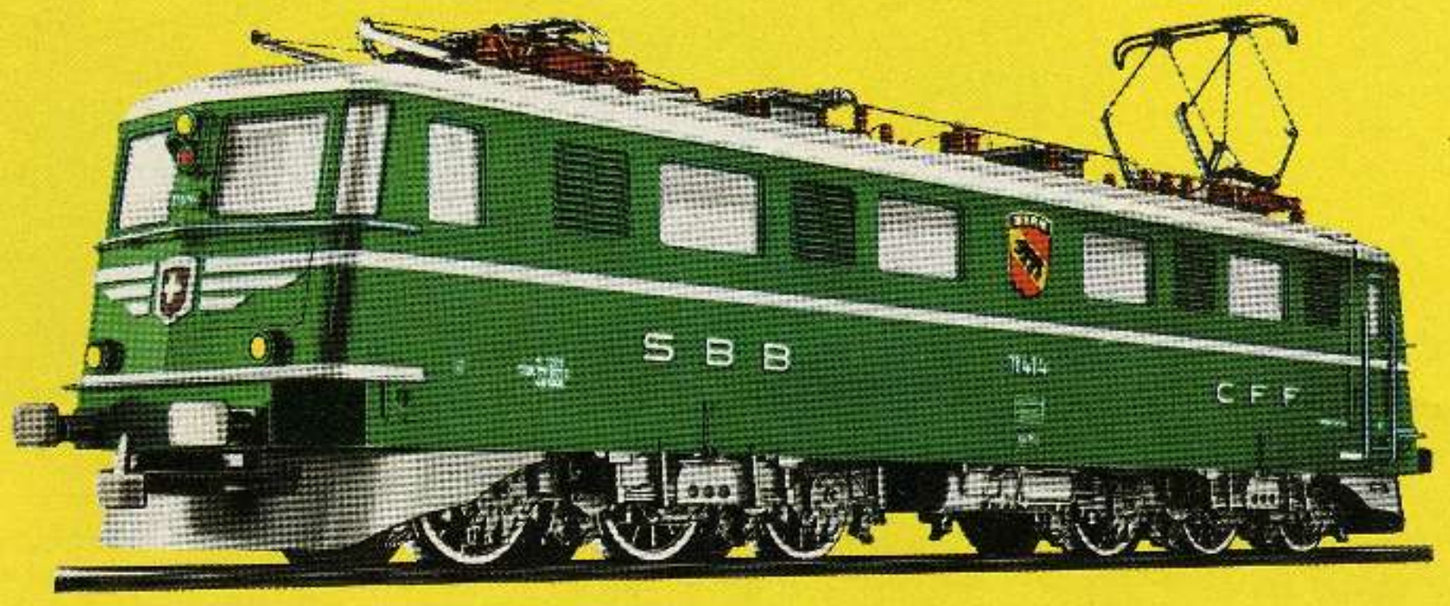
After extensive trial runs with this locomotive which was built by the Swedish firm ASEA, the Austrian State Railways acquired initially four of them. They were put into service under the designation class 1043. The $16^2/_3$ Hz AC picked up from the overhead line is converted into DC by thyristors. The 4 traction motors develop almost 5000 HP which give the 52 foot long engine, weighing 77.4 tons, a top speed of 84 mph.

3041 Electric multipurpose locomotive · A model of the Austrian Federal Railways's 0-4-4-0 Class 1043 locomotive · 2 driven axles · 4 rubber tires to increase pulling power · Reversing by remote control · Three working headlights at each end · Switch signal for selecting operation from the overhead line or the track contacts · Red plastic body · Inset windows with plastic frames · 2 single-bar pantographs on roof · Die-cast zinc frame with fixed buffer beams · Coupling hook at each end · $6^7/_8$" long over buffers

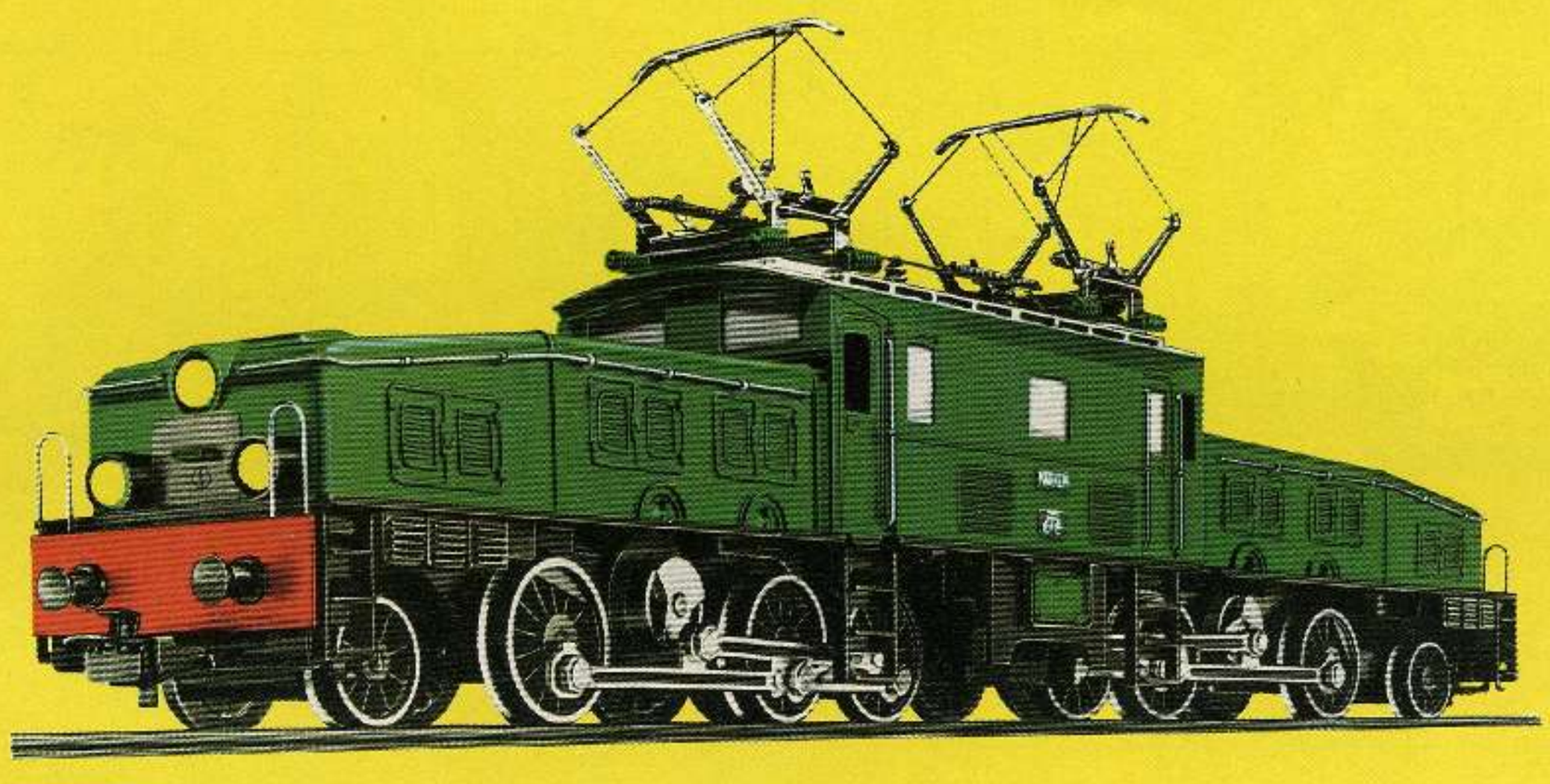
= 7153 = 7164 = 60015

Electric locomotives

3050



3015



3050

The Swiss Federal Railways' powerful multi-purpose locomotive

The Swiss Federal Railways ordered the Ae 6/6 for international passenger and express freight service. The locomotive weight of 120 tons and the 6000 HP developed by its six motors give it enormous starting and climbing power. The top speed is 80 mph. With all its giant power, it still has a particularly stylish appearance, which is reason enough for us to model it most accurately.

3050 Electric multi-purpose locomotive · A model of the Swiss Federal Railways' 0-6-6-0 Class Ae 6/6 locomotive · 3 driven axles · 4 rubber tires to increase pulling power · Reversing by remote control · Three working headlights at each end · Switch lever for selection of operation from the overhead wire or the track contacts · 2 spring-loaded pantographs on roof · Green metal body · Fixed buffer beams · Silver -coloured roof · Copied from the "Berne Canton" locomotive · Coupling hook at each end · $7^{7}/_{8}$" long · Crests of the other Swiss cantons are supplied with this locomotive

= 7153 = 7164 = 60015

3015

Swiss heavy electric freight locomotive "Crocodile"

This giant Swiss electric freight locomotive Be 6/8 on its eight axles, a real "King of the Mountains" is nicknamed "The Crocodile". It is undoubtedly the Swiss Railways' most impressive locomotive.

3015 Electric freight locomotive · A model of the Swiss Federal Railways' 2-6-6-2 Series Be 6/8 (Crocodile) locomotive · 6 driven axles · 2 rubber tires to increase pulling power · Because of its articulated construction, it can negotiate standard curves with ease · Reversing by remote control · Three working headlights at each end with automatic change-over · Switch lever for selecting operation from the overhead wire or the track contacts · 2 spring-loaded pantographs on roof · Green metal body · Automatic coupling with advance uncoupling (RELEX) at each end · $10^{1}/_{4}$" long over buffers

= 7153 = 7175 = 60000

Electric locomotives

3055
Electric locomotive of the Netherland Railways



3055 Electric locomotive · A model of the 0-6-6-0 Class 1200 locomotive of the Netherland Railways · 3 driven axles · 4 rubber tires to increase pulling power · Reversing by remote control · 3 working headlights on each end · Switch lever for selecting operation from the overhead line or the track contacts · Grey and yellow metal body · Fixed buffer beams · 2 spring-loaded pantographs on roof · Inset windows with plastic frames · Coupling hook at each end · $7^3/_4$" long over buffers

= 7154 = 7164 – 60015

3043
Interesting Swedish multi-purpose locomotive

In these engines of very modern design, the power at $16^2/_3$ c/s taken from the overhead lines is converted by thyristors to DC which drives the four traction motors delivering a total of almost 5000 HP. The locomotive, almost 52 feet long over the buffers, weighs 76 t and reaches 84 mph.



3043 Electric multi-purpose locomotive · A model of the Swedish State Railways' 0-4-4-0 Class Rc locomotive · 2 driven axles · 4 rubber tires to increase pulling power · Reversing by remote control · 4 working lights at each end · Switch lever for selecting operation from the overhead line or the track contacts · Orange-coloured plastic body · Inset windows with plastic frames · 2 spring-loaded pantographs on roof · Die-cast zinc frame with fixed buffer beams · Coupling hook at each end · $6^7/_8$" long over buffers

= 7153 = 7164 = 60015

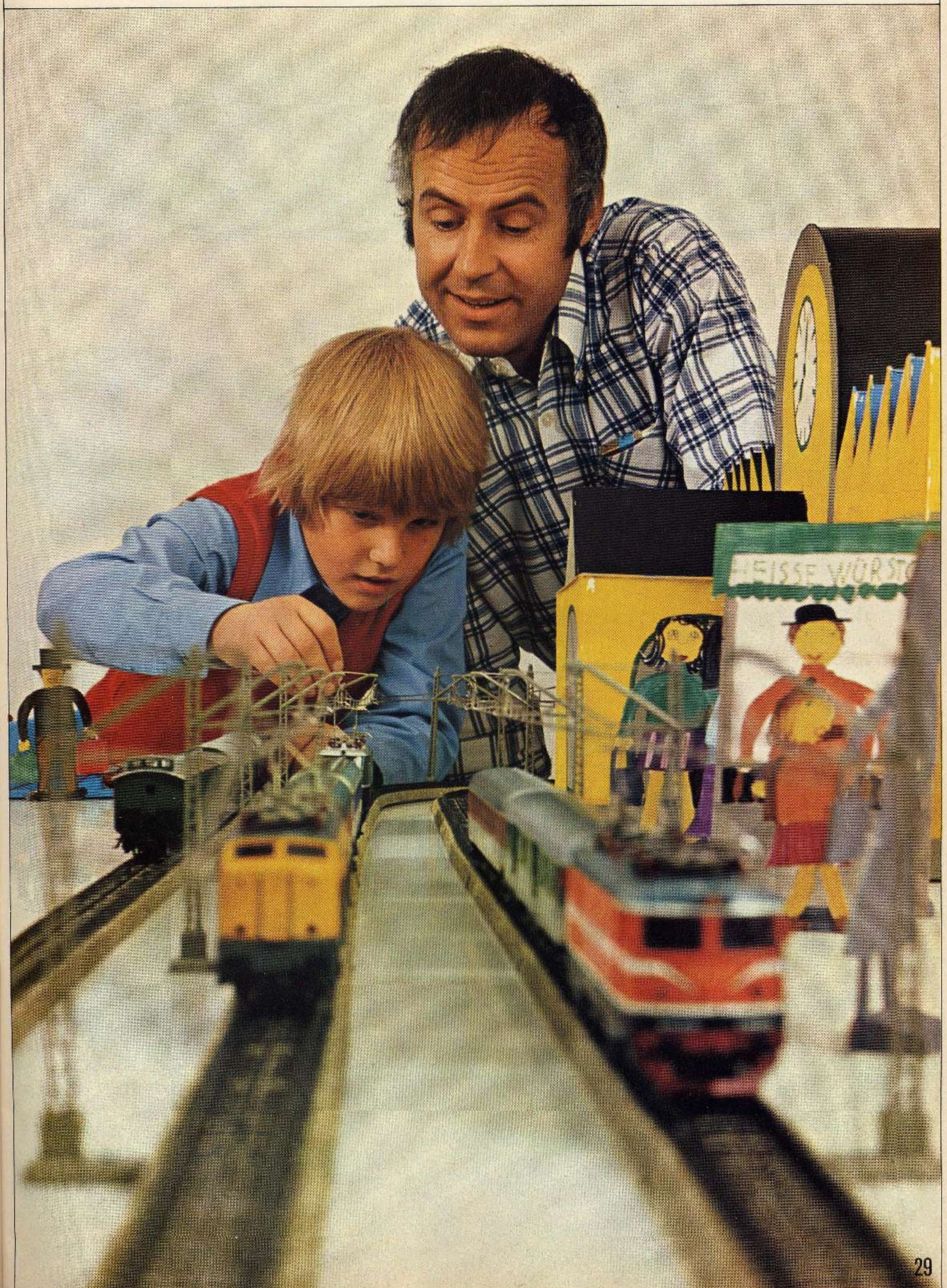
3030
Swedish electric locomotive

The class Da is operated by the Swedish State Railways (Statens Jarnvagar) as the standard electric locomotive for passenger and freight service. Since these locomotives have only one motor and the axle load at 15 or 17 t is low, they are fitted with connecting rod drive. This prevents the wheels of individual driven axles "running away" when starting from rest.



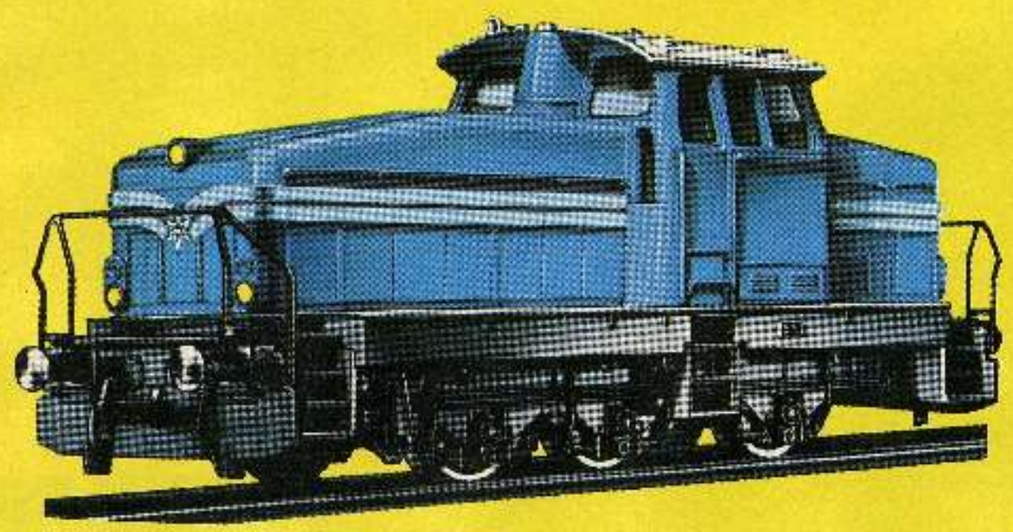
3030 Electric locomotive · A model of the Swedish State Railways' 2-8-2 Class Da locomotive · 3 driven axles · Jackshaft driven through gears · 2 rubber tires to increase pulling power · Reversing by remote control · Three working headlights at each end · Switch lever for selecting operation from the overhead line or the track contacts · 2 spring-loaded pantographs on roof · Brown metal body · Fixed buffer beams · Die-cast zinc frame · Automatic coupling with advance uncoupler (RELEX) at each end · $5^7/_8$" long over buffers

= 7153 = 7173 = 60015


HEISSE WÜRSTE

Diesel locomotives

3078



3078
Diesel hydraulic locomotive "DHG 500"

The "small" diesel locomotives with hydraulic transmission nevertheless measure about 40 feet long and have several hundred horsepower "under their hoods". The heavily loaded gears particularly, are especially robust, so that these locomotives can be used for long periods of time with an insignificant amount of servicing. These locomotives, which are typical of industrial locomotives (Märklin models 3078, 3080), have windows low down in the front side panels of the engineer's cab, allowing a clear view of the buffers for accurate switching.

3078 Diesel locomotive · A model of a 0-6-0 industrial locomotive known as the DHG 500 type · 3 driven axles · 2 rubber tires to increase pulling power · Reversing by remote control · Three working headlights at each end · Blue plastic body with decorative silver-coloured bands · Die-cast zinc frame · Coupling hook at each end · $4^3/_8$" long over buffers

= 7154 = 7166 = 60015

3080



3080
Industrial locomotive

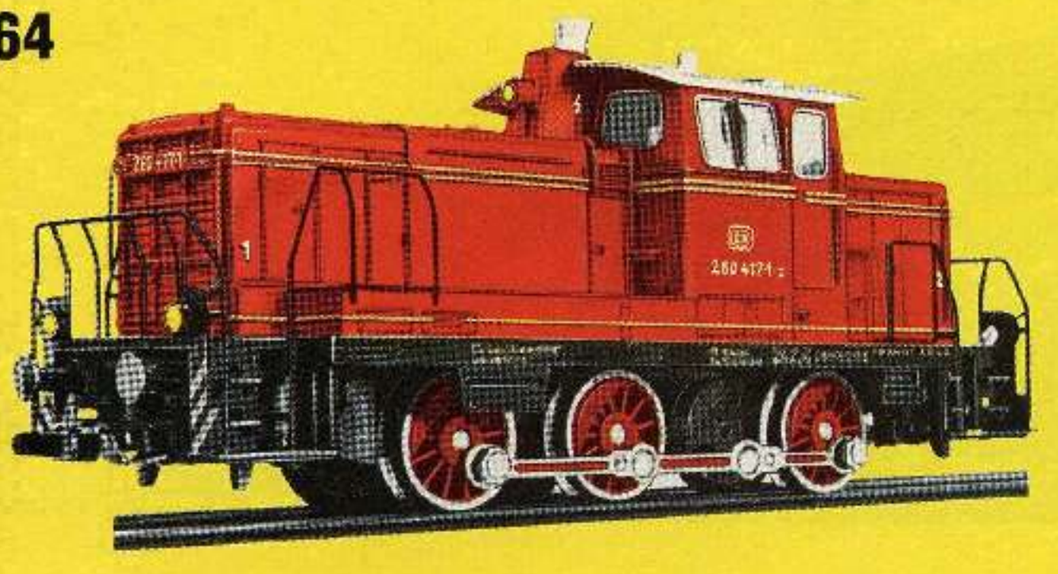
3080 Diesel locomotive · A model of a 0-6-0 industrial locomotive · 3 driven axles · 2 rubber tires to increase pulling power · Reversing by remote control · Yellow plastic body with dark decorative bands · Coupling hook at each end · $4^3/_8$" long over buffers

= 7154 = 7166



Diesel locomotives

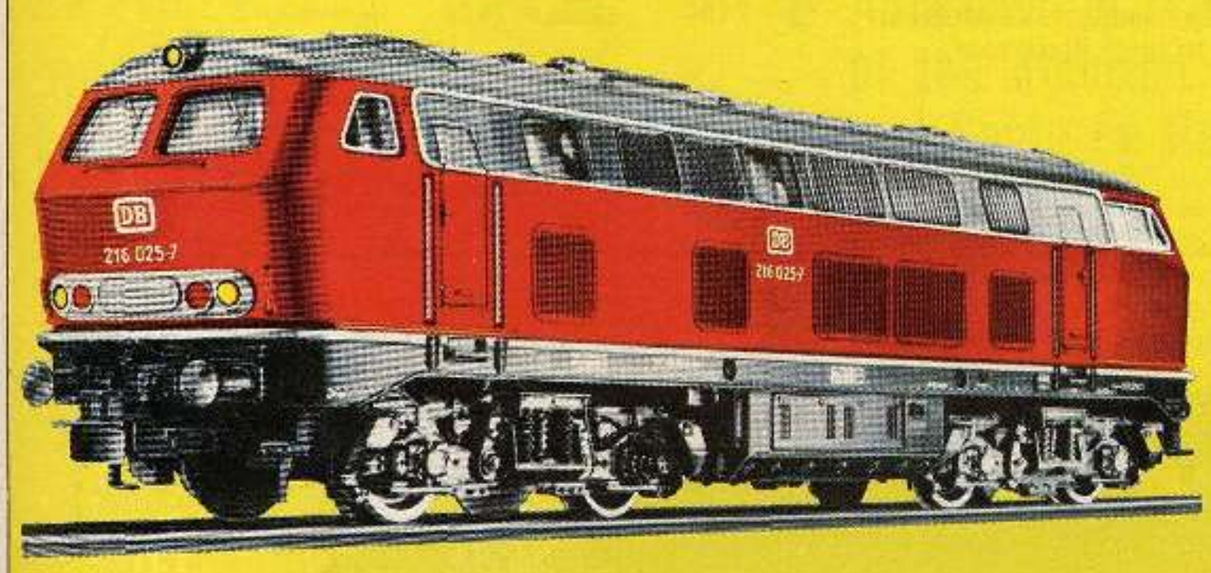
3065
3064



3072



3075



3021



3065
Diesel hydraulic switching locomotive "260" with TELEX coupling

3065 Diesel locomotive · A model of the German Federal Railways' 0-6-0 Class 260 locomotive · 3 driven axles · 2 rubber tires to increase pulling power · Reversing by remote control · Three working headlights at each end · Red plastic body · Inset windows with plastic frames · Die-cast zinc frame · **Märklin TELEX coupling** at each end · $4^3/_4$" long over buffers

= 7153 = 7185 = 60010

TELEX: see page 18

3064
with coupling hooks

3064 Diesel locomotive · A model of the German Federal Railways' Class 260 locomotive · Similar to 3065 but **without** Märklin TELEX coupling · Coupling hook with advance uncoupler at each end

= 7153 = 7185 = 60010

3075
Diesel locomotive "216"

The class 216 diesel locomotive is used for mainline service over medium distances. With full fuel tank it weighs 79 tons. It develops 1900 HP and reaches a maximum speed of 75 mph.

3075 Diesel locomotive · A model of the German Federal Railways' 0-4-4-0 Class 216 locomotive · 2 driven axles · 4 rubber tires to increase pulling power · Reversing by remote control · Three working headlights at each end · Red and grey plastic body · Grey roof · Inset windows with plastic frames and simulated windshield wipers · Die-cast zinc frame · Automatic coupling with advance uncoupler (RELEX) at each end · $7^1/_8$" long over buffers

= 7154 = 7164 = 60015

8375

The same model as 3075, but for two-rail DC operation (see page 23)

HAMO

3072
Diesel hydraulic locomotive "212"

The 212 is a multi-purpose diesel locomotive, 40 feet long and weighing 63.2 t in service order. The new types develop 1350 HP which are transmitted through universal drive shafts to the 4 axles arranged in two bogies. In order to use the tractive force of the powerful motor to meet requirements for passenger and freight service, a dual-ratio gear is provided which can be operated from the driver's cab.
In low gear the locomotive has the maximum tractive force but the top speed is then only 44 mph, while in high gear it reaches 65 mph.

3072 Diesel locomotive · A model of the German Federal Railways' 0-4-4-0 Class 212 locomotive · 2 driven axles · 4 rubber tires to increase pulling power · Reversing by remote control · Three working headlights at each end · Die-cast zinc frame · Fixed buffer beams · Red plastic body · Narrow front and rear ends to scale · Inset windows with plastic frames · Automatic coupling with advance uncoupler (RELEX) at each end $5^1/_2$" long over buffers · A suitable positioning of the motor has enabled the front and rear ends of model 3072 to be kept narrow as on the original

= 7154 = 7164 = 60010

3021
Diesel hydraulic express locomotive "220"

3021 Diesel locomotive · A model of the German Federal Railways' 0-4-4-0 Class 220 locomotive · 2 driven axles · 4 rubber tires to increase pulling power · Reversing by remote control · Red and grey metal body · Fixed buffer beams · Silver-grey roof · Coupling hook with advance uncoupler at each end · $8^1/_4$" long over buffers

= 7154 = 7183 = 60010

Diesel locomotives

3066

Belgian Railways' multi-purpose diesel locomotive

The Belgian multi-purpose diesel locomotive, Class 204, has diesel-electric drive. Developing 1750 HP it is engaged in hauling light freight trains as well as local and express passenger trains, reaching a maximum speed of about 87 mph.



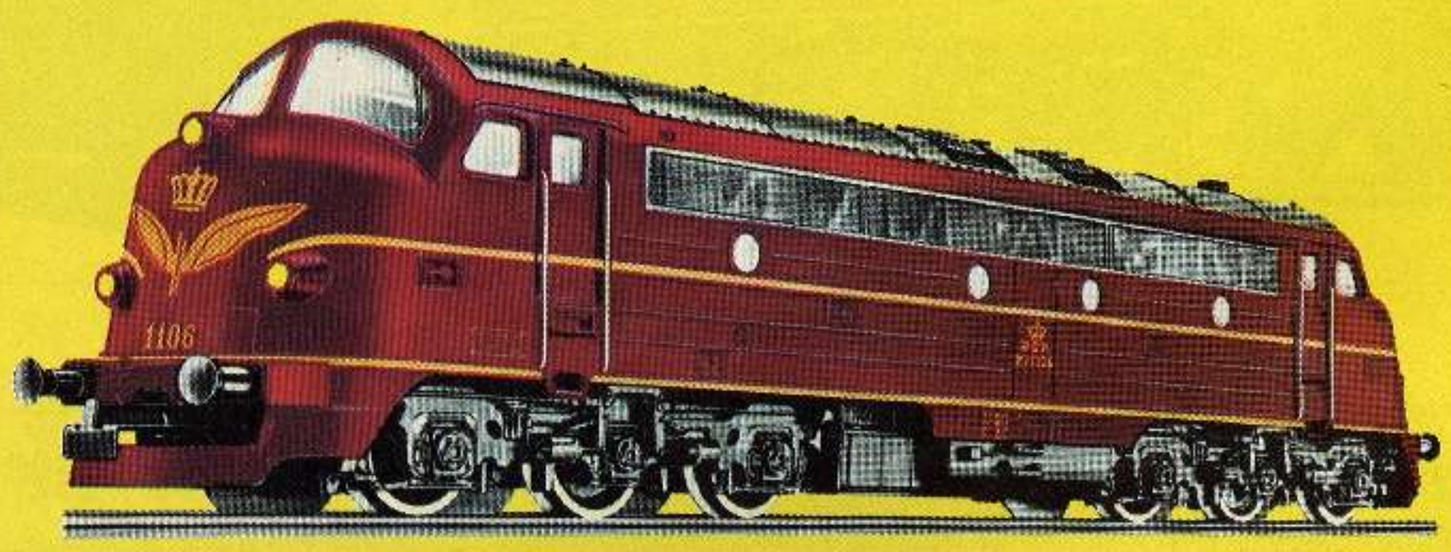
3066 Diesel locomotive · A model of the Belgian State Railways (SNCB) 0-6-6-0 Type 204 locomotive · 3 driven axles · 4 rubber tires to increase pulling power · Reversing by remote control · Three working headlights at each end · Green metal body · Fixed buffer beams · Black roof · Inset windows with plastic frames · Coupling hook at each end · 8" long over buffers

= 7154 = 7164 = 60015

3067

Danish Railways' diesel electric locomotive

The Danish State Railways Series My 1100 multi-purpose locomotive has diesel-electric drive, i. e., the current for the traction engines situated on the axles is produced by generators on the locomotive, the generators being driven by diesel engines. Amongst other services, they haul international expresses along the "Vogelflug" line (the line "as the crow flies"). This type of locomotive is very similar to the Belgian type 204.



3067 Diesel locomotive · A model of the Danish State Railways (DSB) 0-6-6-0 type My 1100 locomotive · 3 driven axles · 4 rubber tires to increase pulling power · Reversing by remote control · Three working headlights at each end · Red and brown metal body · Fixed buffer beams · Grey roof · Inset windows with plastic frames · Coupling hook at each end · 8" long over buffers

= 7154 = 7164 = 60015

3068

Norwegian Railways' multi-purpose diesel electric locomotive

Diesel operation is being used increasingly on the Norwegian State Railways' lines which are not yet electrified. The locomotive on which our model is based is known as type Di 3. Its 1900 HP motor gives it a top speed of 63 mph. Apart from the roof fittings, its relationship to the Belgian type 204 and the Danish type My 1100 is unmistakable.



3068 Diesel locomotive · A model of the Norwegian State Railways (NSB)'s 0-6-6-0 · Type Di 3 locomotive · 3 driven axles · 4 rubber tires to increase pulling power · Reversing by remote control · Three working headlights at each end · Red and brown metal body · Fixed buffer beams · Silver-coloured roof and roof fittings · Inset windows with plastic frames · Coupling hook at each end · 8" long over buffers

= 7154 = 7164 = 60015

Diesel locomotive



3060

American "F 7" Diesel locomotive of the Atchison Topeka and Santa Fé Railway

3060 Diesel locomotive · A model of the American Type F 7 0-4-4-0 locomotive, built by the Electro-motive Division of General Motors for the Atchison Topeka and Santa Fé Railway · 2 driven axles · 4 rubber tires to increase pulling power · Scale model lighting · Red and silver-coloured metal body · Coupling hook with advance uncoupler at cab end · Automatic coupling with advance uncoupler (RELEX) at rear end · $6^{7}/_{8}$" long

= 7154 = 7185 = 60015

4060

4060 Supplementary section, unpowered · Matching the diesel locomotive 3060 · Scale model lighting · Red and silver-coloured metal body · Coupling hook with advance uncoupler at cab end · $6^{7}/_{8}$" long

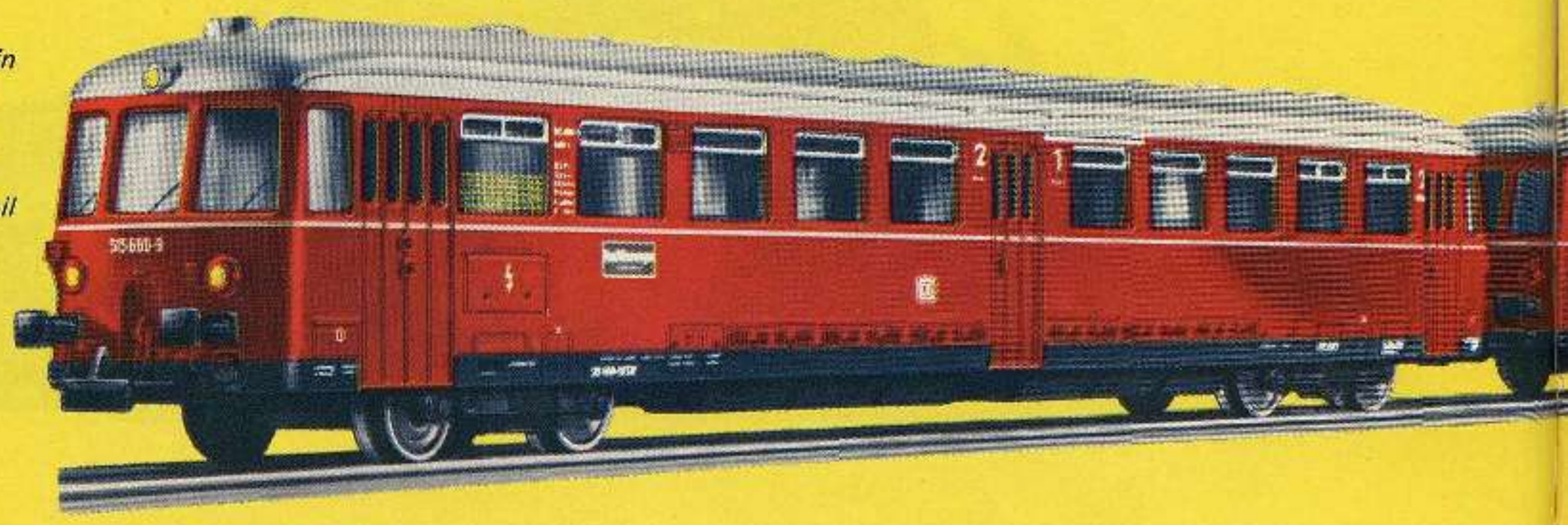
= 7166 = 60015



Motor rail trains

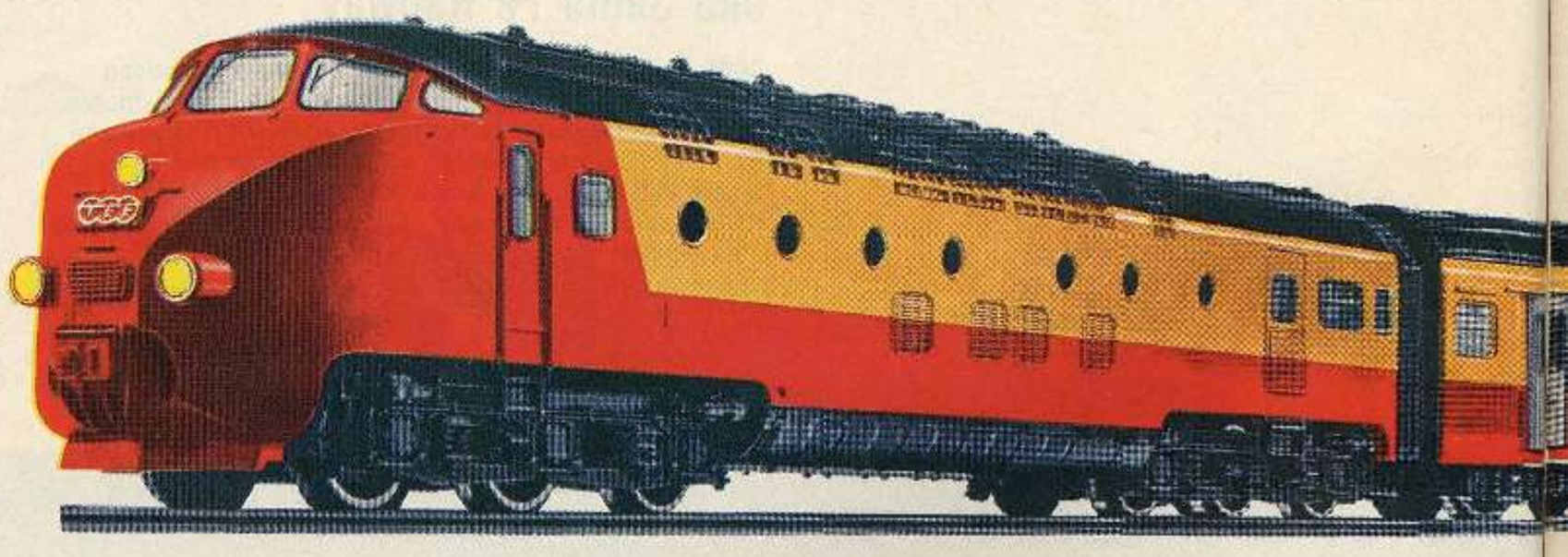
3076
Electric motor rail train

The battery driven motor rail cars, Class 515 — usually coupled to trailers 815 — are mostly used on main and secondary lines for express and local passenger services. Their range of operation is limited to about 200 miles by the capacity of the batteries carried as the source of power. Two motors, each developing 270 HP, give the train a top speed of about 60 mph. The motor rail car is 46 ft. in length and weighs 56 tons in service. The trailer is the same length and weighs 23 tons.



3071
4071
"TEE" Express train

Five complete trains of the Netherlands-Swiss TRANS-EUROP-EXPRESS are now in service, operating between Zurich and Amsterdam as the TEE "Edelweiss" and between Zurich and Munich as the TEE "Bavaria". Mostly they consist of 4 coaches. Three powerful diesel engines, developing together 2300 HP, give the train a speed of 87 1/2 mph. The windows in these trains do not open, since all coaches are fully air conditioned. As on all TEE trains there are only first-class cars, in which are 114 seats. The restaurant section has room for 32 diners. The TEE train illustrated consists of the 3-part unit 3071 which has been supplemented by the coach 4071 to bring it up to the make-up customary on the railways. The length of the 4-unit train is 37 3/4".

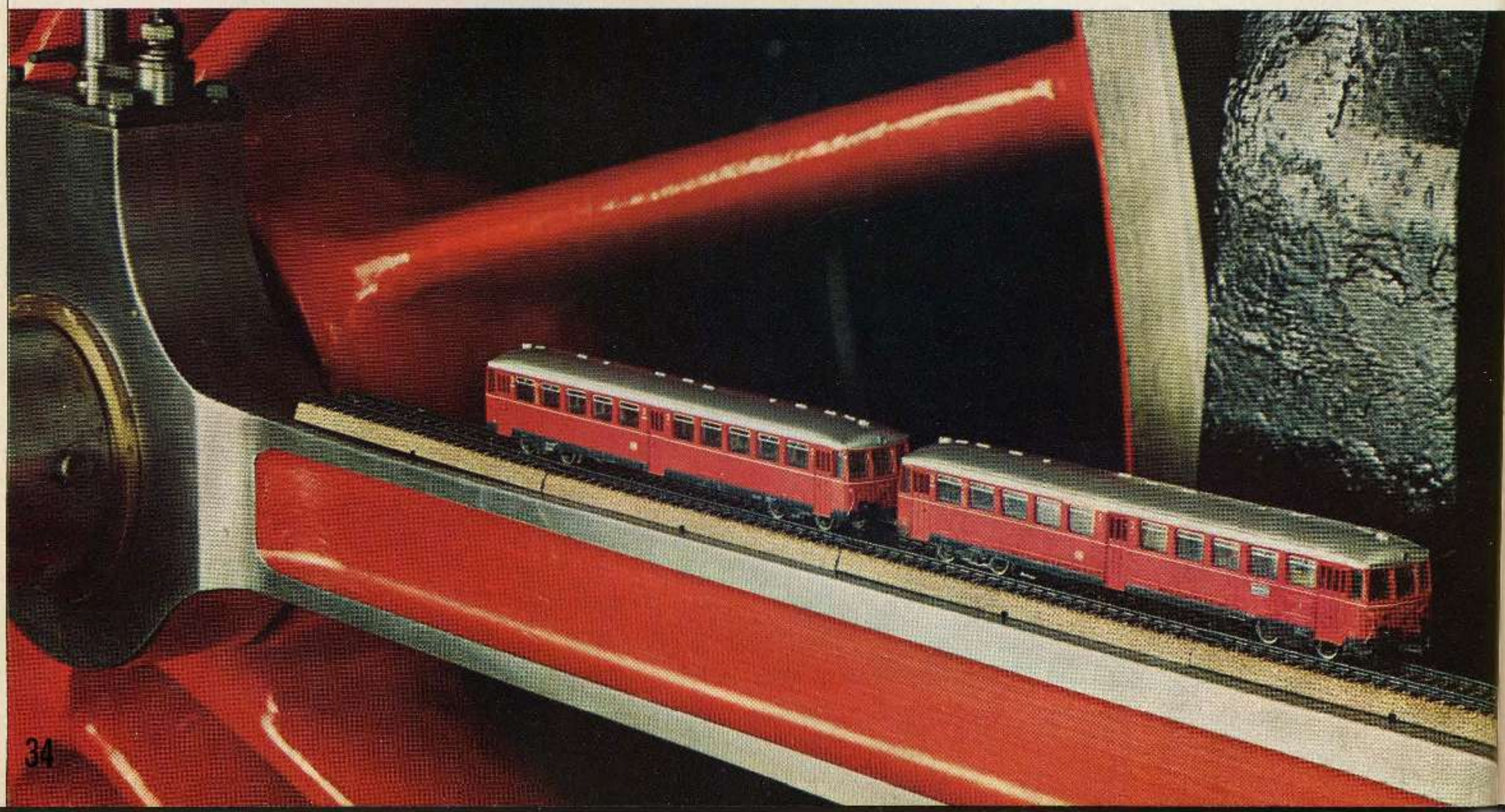


TEE

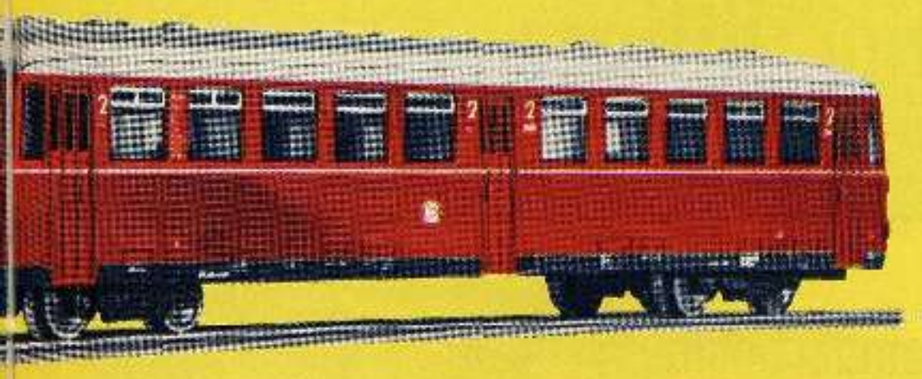
TRANS EUROP EXPRESS

3071 Three-unit TEE express train · A model of the Netherlands-Swiss TRANS-EUROP-EXPRESS train consisting of a locomotive, a combined first-class and restaurant car and a spacious first-class compartment car with engineers compartment · The model is 27 1/2" long

Locomotive: 3 driven axles · 4 rubber tires to increase pulling power · Reversing by remote control · Mat black die-cast zinc frame · Plastic body in TEE colours beige and red · Grey roof · Inset windows with plastic frames



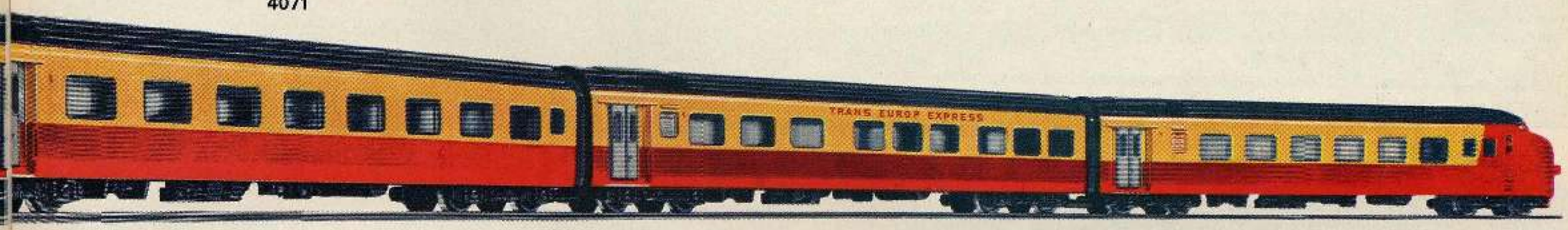
Railbus



3076 Two-unit electric rail train · A model of the German Federal Railways' battery-powered multiple unit 515/815
Motor rail car: 2 driven axles · 4 rubber tires to increase pulling power · Reversing by remote control · Red plastic body · Interior fittings · Interior lighting · Inset windows with plastic frames · Aluminium-coloured roof
Trailer: connected to the motor rail car by permanent coupling · Red plastic body · Interior fittings · Interior lighting · Inset windows with plastic frames · Aluminium-coloured roof
Motor rail car and trailer each have three headlights working when running forward changing automatically to two red lights when reversed · Coupling hook at each end of the train · 19 1/2" long over buffers

= 7154 = 7164 = 60015 w, 60001 r

4071



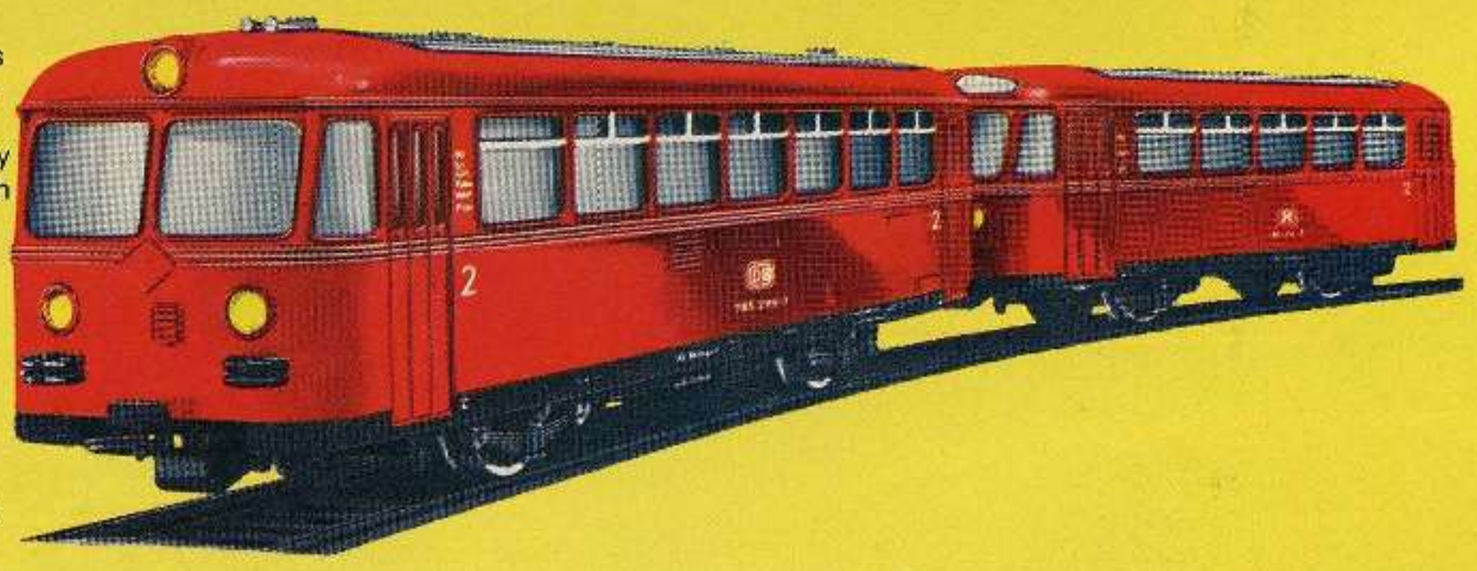
The other two cars: each with two trucks like the originals · Plastic body in the TEE colours beige and red · Grey roof · Inset windows with plastic frames

Special couplings connect the 3 units very close together · Specially tightly closing covers on the passage between cars · Three headlights and two red taillights at each end of the train lighting up to suit the direction of the train · A current pickup shoe at each end of the train, the front one in the direction of travel picking up the current

= 7154 = 7164 7175 = 60015 w 60001 r

4071 TEE First class compartment coach · 2 trucks true to the original · Grey roof · Inset windows with plastic frames · Movable covers for the corridor between coaches at both ends · Special coupling fitting TEE train only · Length 9"

3016
4018
Railbus with trailer



3016 Railbus · A model of the German Federal Railways 795 unit · 1 driven axle · 2 rubber tires to increase pulling power · Reversing by remote control · Three working headlights at each end · Interior lighting · Red plastic body Die-cast zinc frame · Symmetrical special coupling at each end for close-coupling the cars together · 5 7/8" long over buffers

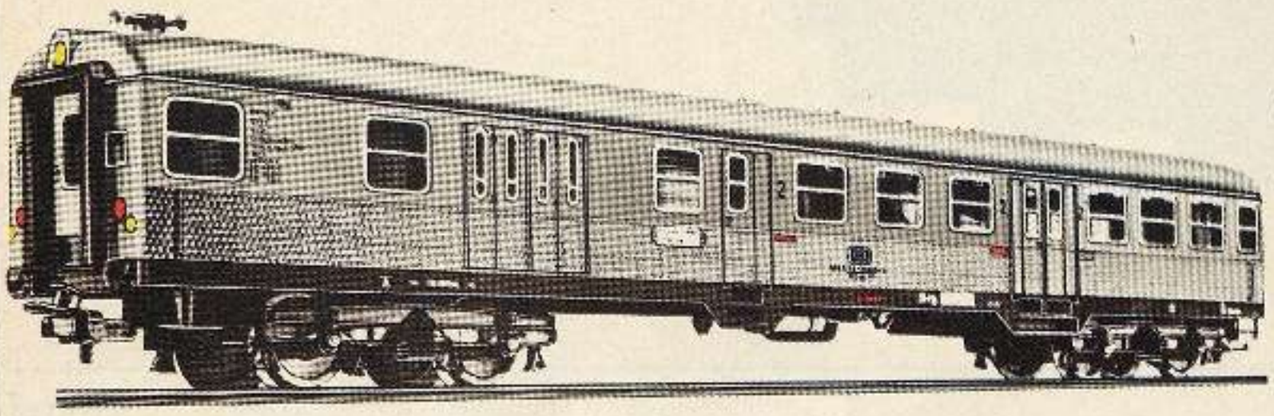
= 7153 = 7164 = 60010

4018 Railbus trailer · A model of the German Federal Railways' 995 unit · Red taillights at each end · Interior lighting · Red plastic body · Symmetrical special coupling to fit railbus only · 4 3/4" long over buffers

= 7175 = 60010

Local passenger coaches

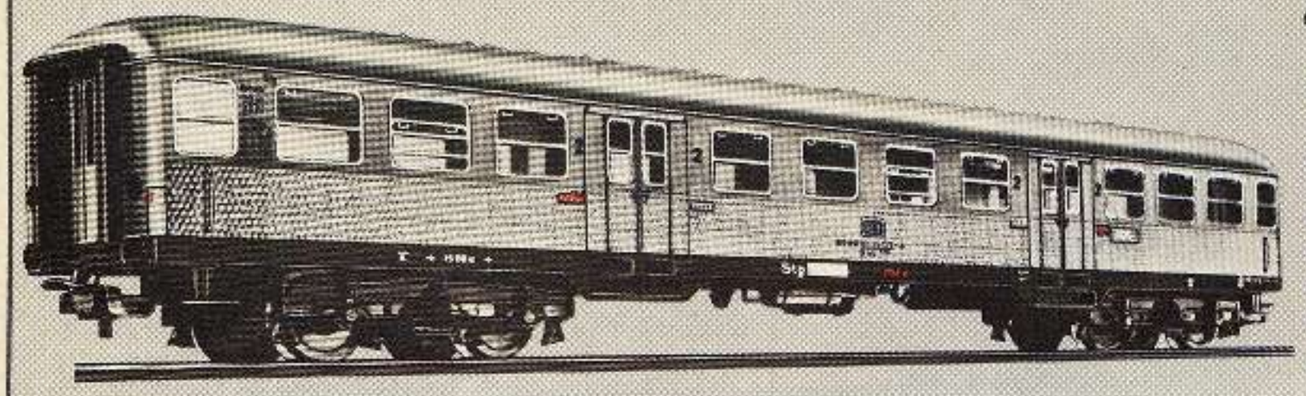
German Federal Railways' local passenger coaches with interior fittings



4081
with baggage compartment and driver's cab

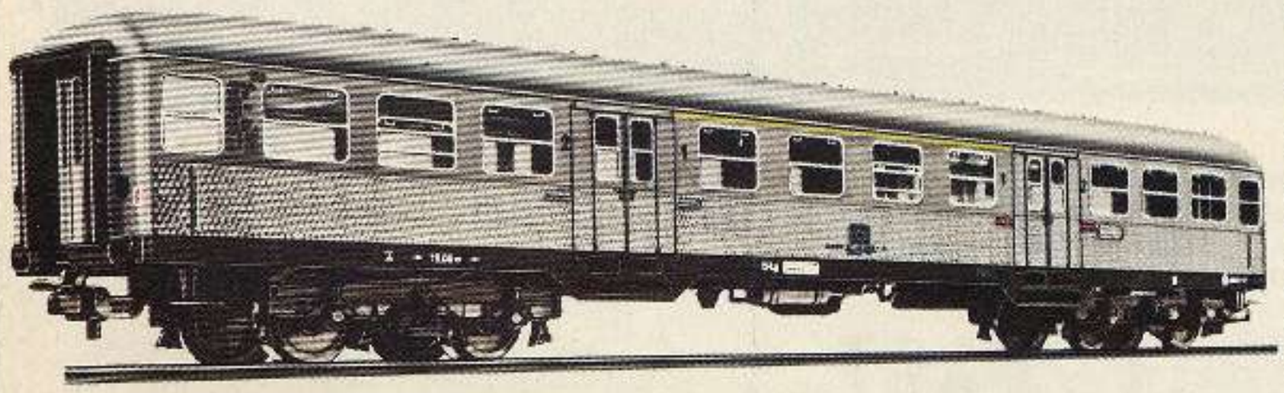
4081 Local passenger coach with baggage compartment and driver's cab · 2nd class · A model of the German Federal Railways' type BDnf · Stainless steel coloured coach body with peacocks-eye pattern. **Interior fittings** · Windows with plastic frames · Roof with dummy signal horn · Lights at the driver's cab end which change over automatically from three headlights to two red taillights when direction of travel is reversed · $9^1/_2$" long · Arranged for interior lighting set 7077 (see page 65)

= 7175 = 60000



4082

4082 Local traffic coach · 2nd class · A model of the German Federal Railways' type Bnb · Stainless steel coloured coach body with peacocks-eye pattern · **Interior fittings** · Windows with plastic frames · $9^1/_2$" long · Arranged for interior lighting set 7077 and current pick-up shoe 7198 (see page 65)



4083

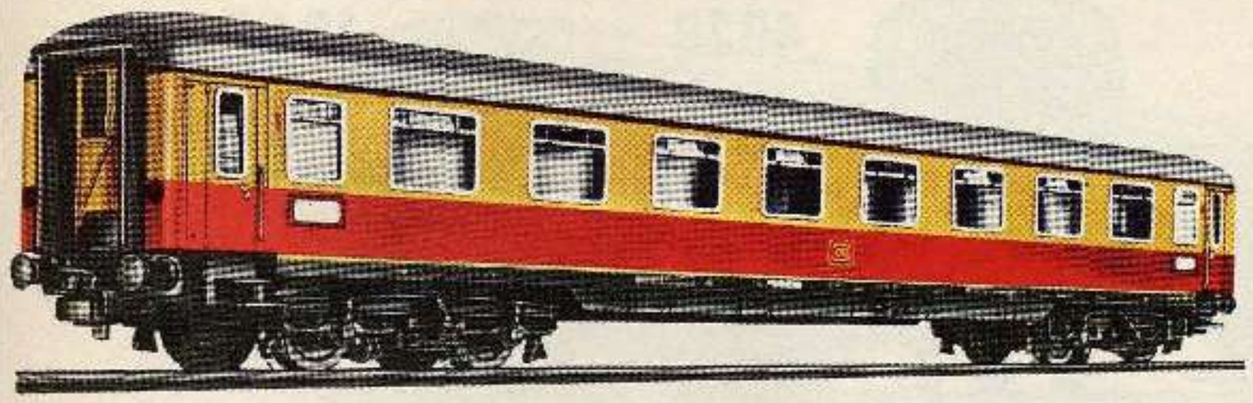
4083 Local passenger coach · 1st and 2nd class · A model of the German Federal Railways' type ABnb · Stainless steel coloured coach body with peacocks-eye pattern · **Interior fittings** · Windows with plastic frames · $9^1/_2$" long · Arranged for interior lighting set 7077 and current pick-up shoe 7198 (see page 65)



TEE coaches

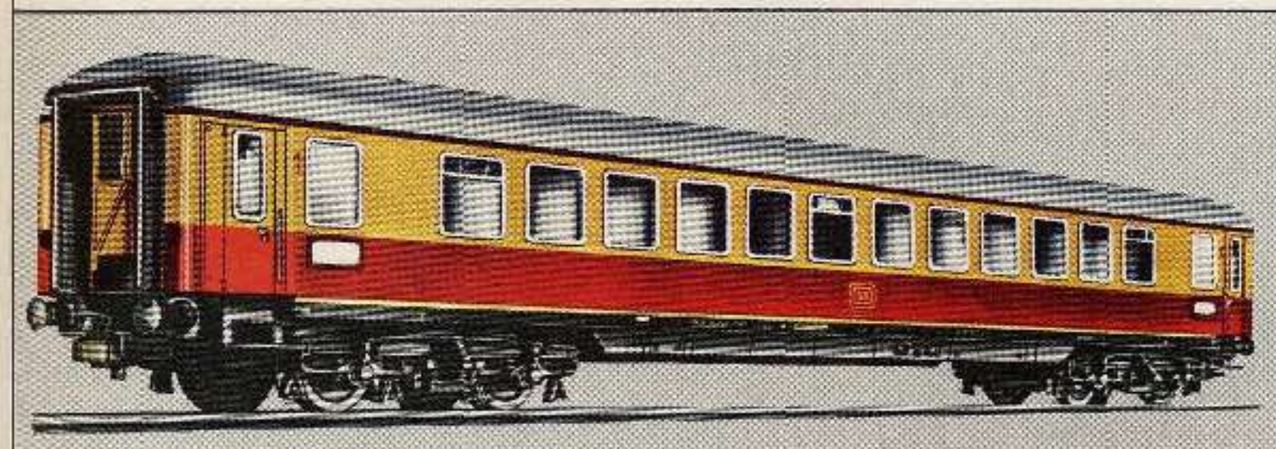
TEE coaches with interior fittings

We illustrate here the "show-pieces" of the German Federal Railways, the TEE coaches. They are the best equipped, the most comfortable and certainly the most handsome of the Federal Railways' coaches.



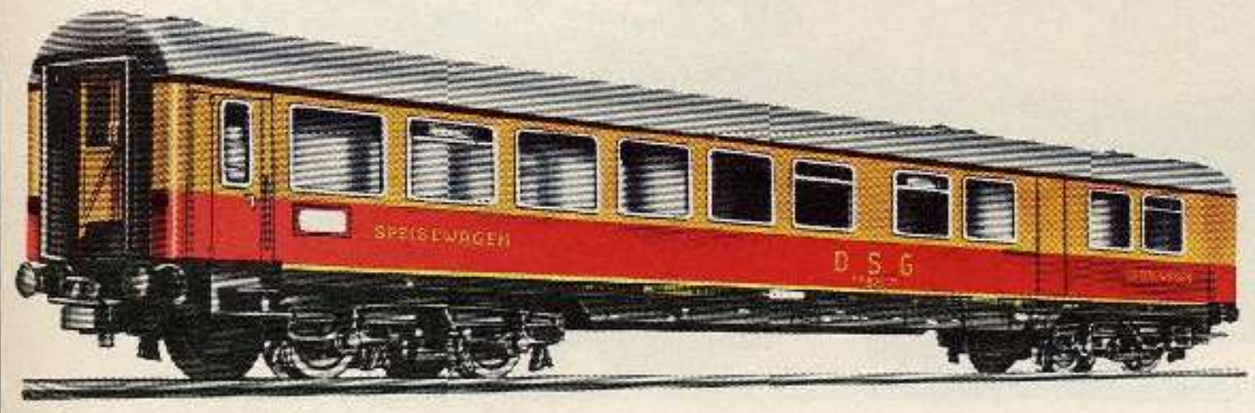
4085

4085 TEE compartment coach · 1st class · A model of the German Federal Railways' type Avm · Windows inset in plastic frames · **Interior fittings** with side corridor · 9½" long · Arranged for interior lighting set 7320 (see page 65)



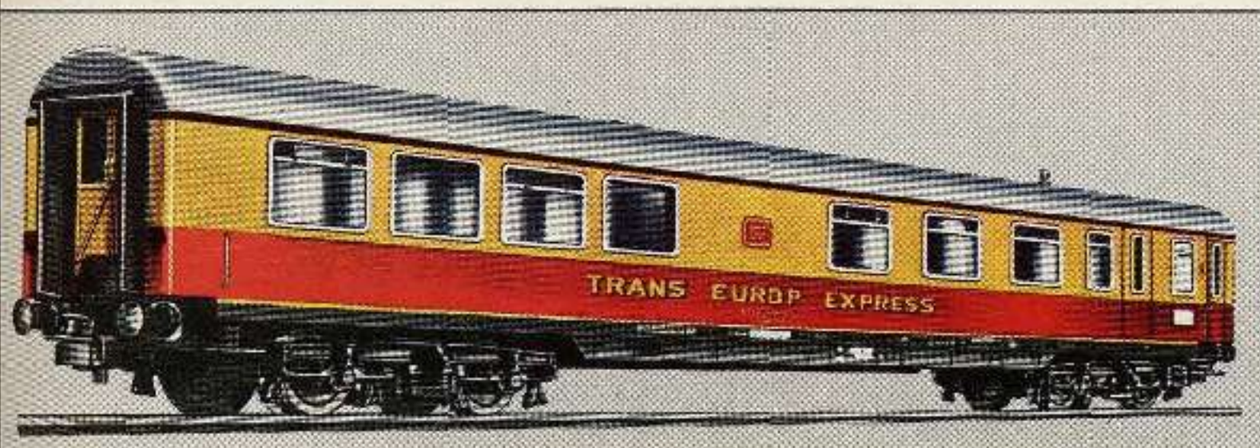
4086

4086 TEE open-interior coach · 1st class · A model of the German Federal Railways' type Apm · Windows inset in plastic frames · **Interior fittings,** seating arrangement 1—2 with central gangway · 9½" long · Arranged for interior lighting set 7320 (see page 65)



4087

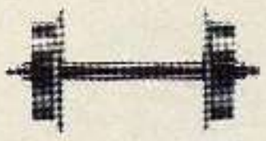
4087 TEE restaurant car · A model of the German Federal Railways' type WRm · Windows inset in plastic frames · **Interior fittings,** divided up into kitchen and restaurant compartments · 9½" long · Arranged for interior lighting set 7320 (see page 65)



4088

4088 TEE bar car · A model of the German Federal Railways' type ARDm · Windows inset in plastic frames · **Interior fittings,** divided up into bar, passenger and train crew's compartments · 9½" long · Arranged for interior lighting set 7320 (see page 65)





4089

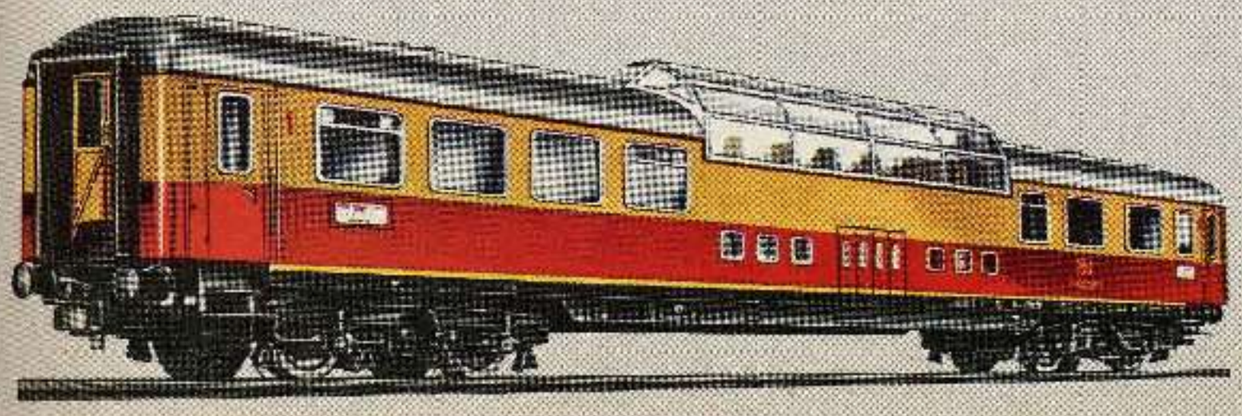
4089 TEE compartment coach · Similar to coach 4085, but with current pick-up, fittings for the interior lighting and taillights

= 7175 = 60015

7589

Märklin — HAMO
for two-rail DC operation

7589 Set of wheels · Comprising 4 axle sets · For converting the TEE coaches for two-rail DC operation



4090

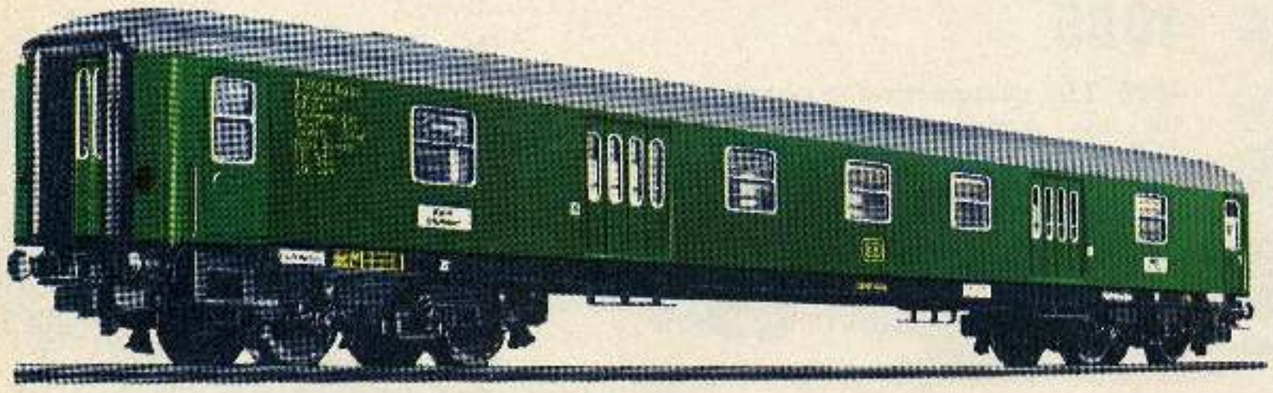
4090 TEE observation car · 1st class · A model of the German Federal Railways' type ADm · Windows inset in plastic frames · **Interior fittings** · Observation dome of transparent plastic · 9½" long · Arranged for interior lighting set 7322 (see page 65)

MärklinHO

Express coaches 9½" long

German Federal Railways' express coaches

The bodies of our express coaches are made of metal or plastic, with inset plastic window frames and panes. Door recesses and other important details together with the fine indelible lettering, are copied faithfully to scale from the original. The mat finish makes them look completely realistic. Everything is prepared for the interior lighting. The simulated trucks of Minden-Deutz design have movable side frames which even out any irregularities in the track so that the coaches run safely and very quietly, Simulated rubber beading or bellows are fitted where the coaches join up. Automatic coupling with advance uncoupler (RELEX).



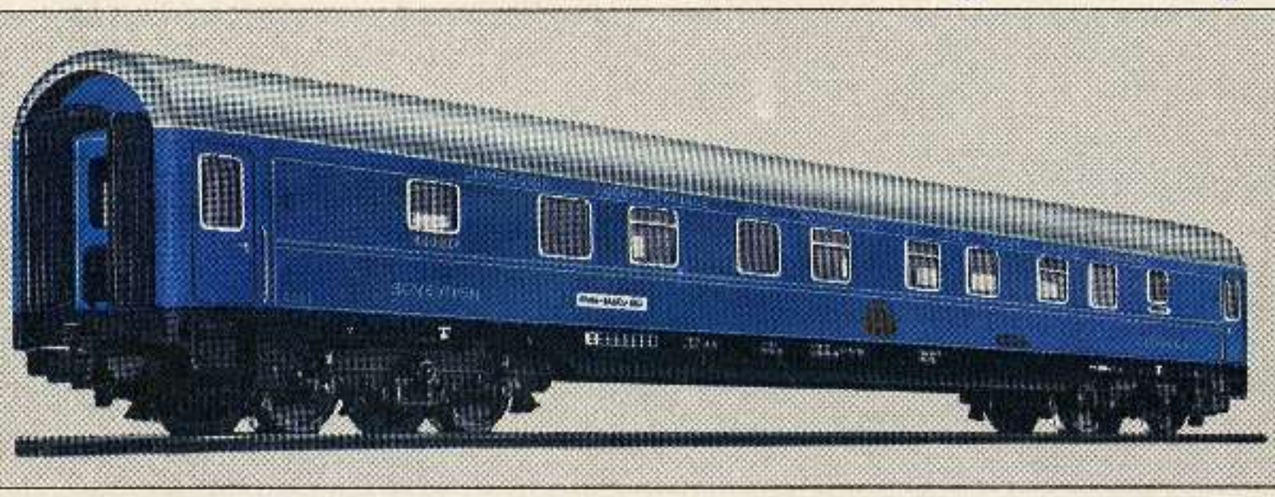


4026 4044

4026 Express baggage car · A model of the German Federal Railways' type D ym · Windows inset in plastic frames · 9½" long · Arranged for interior lighting set 7077 and current pick-up shoe 7198 (see page 65)

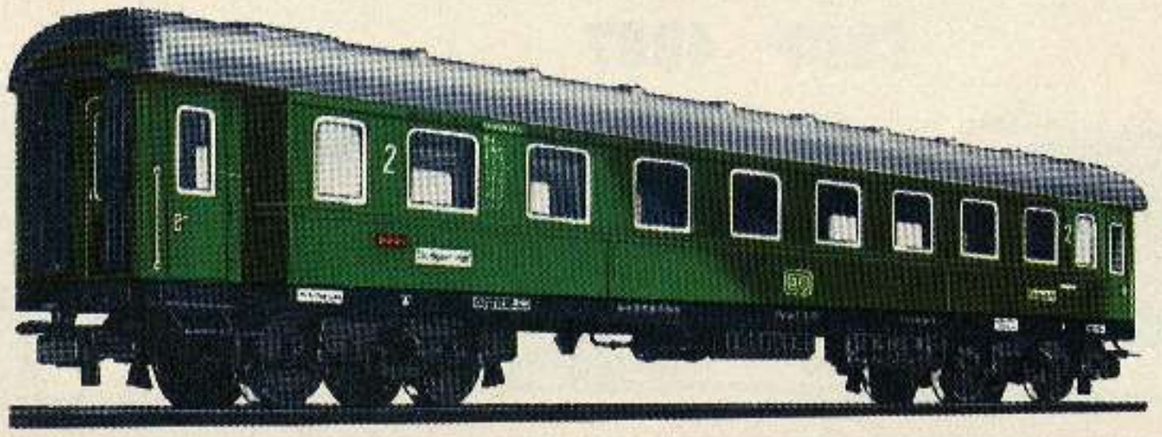
4044 Express baggage car · Similar to 4026, but with taillights and current pick-up shoe

= 7175 = 60015



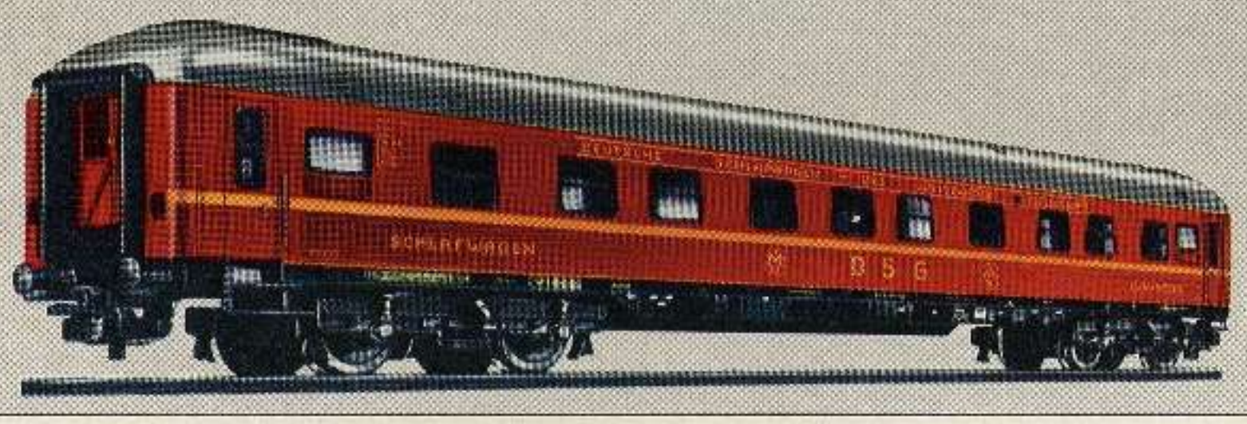
4029

4029 Express sleeping car · A model of the International Sleeping Car Co.'s type ISG No. 4581 · Windows inset in plastic frames · 9½" long · Arranged for interior lighting set 7077 and current pick-up shoe 7198 (see page 65)



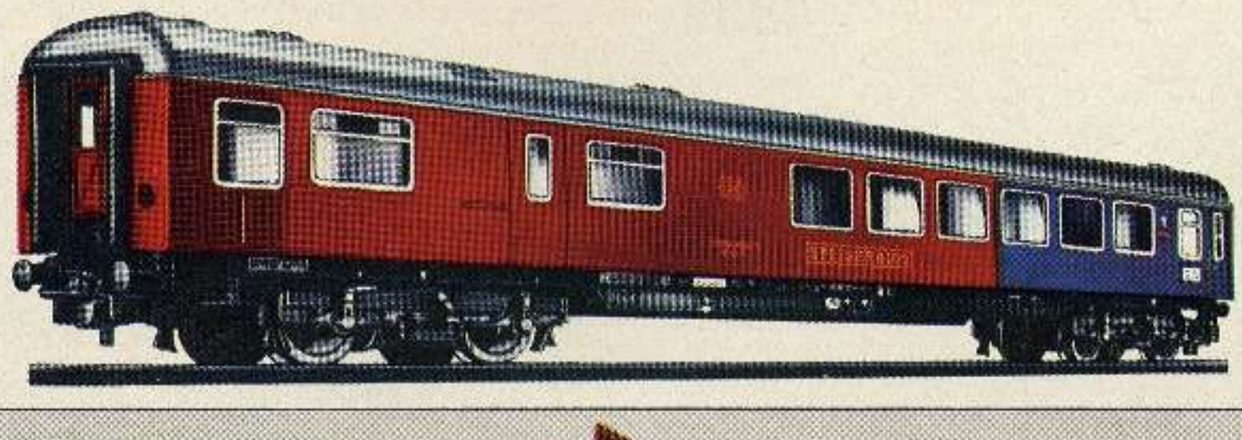
4037

4037 Express coach · 2nd Class, one of the older designs · A model of a type used by the German Federal Railways · Windows with plastic panes · 8⅝" long · Arranged for interior lighting set 7077 and current pick-up shoe 7198 (see page 65)



4064

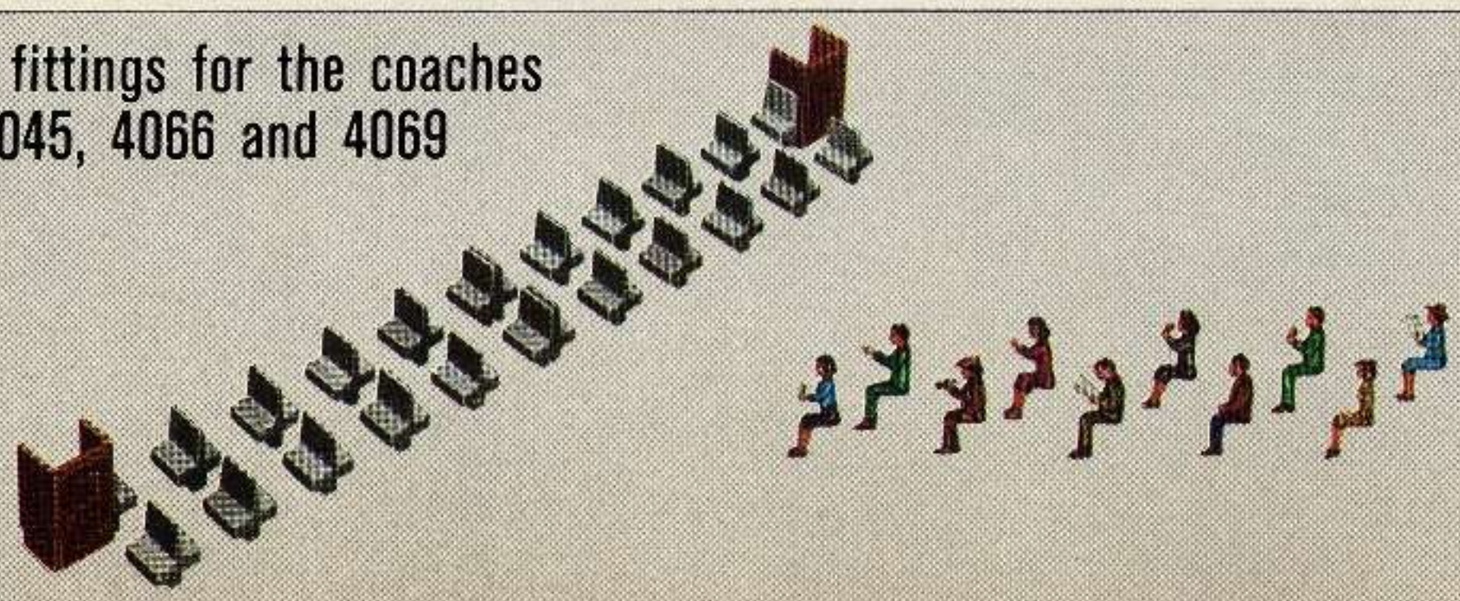
4064 Express sleeping car · 1st and 2nd Class · A model of the German sleeping and Restaurant Car Co.'s type WL AB üm, Series 33 200 · Windows inset in plastic frames · 9½" long · Arranged for interior lighting set 7320 (see page 65)



4078

4078 Express coach · 1st class with restaurant compartment · A model of the German Federal Railways' type AR üm 65 · 1st class compartment finished in blue on the outside, the restaurant compartment in red · Windows inset in plastic frames · 9½" long · Arranged for interior lighting set 7320 (see page 65)

Interior fittings for the coaches 4037, 4045, 4066 and 4069



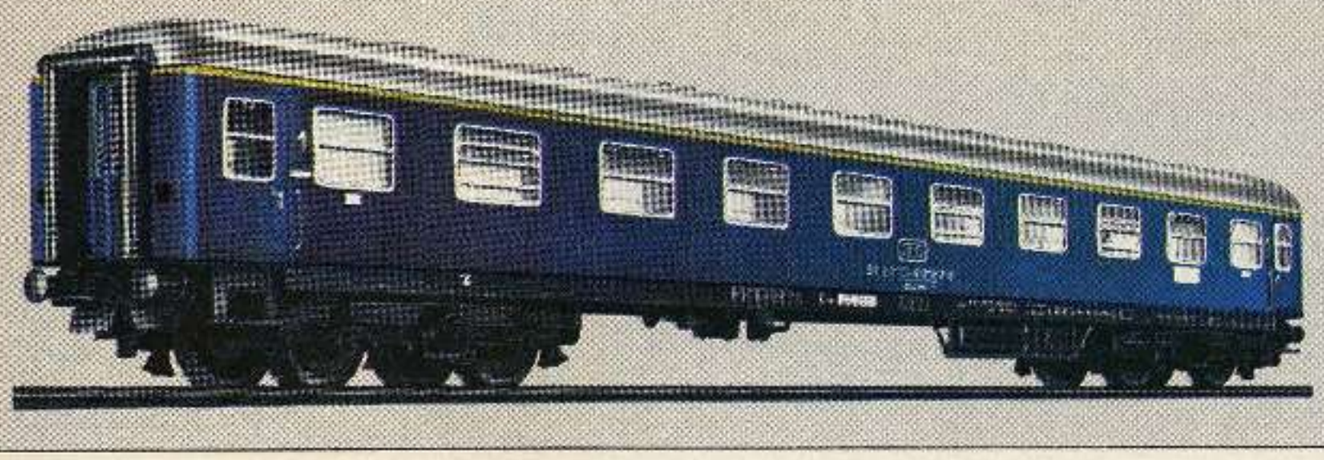
0225 0226

0225 Set of interior fittings for the express coaches, including 18 single color double seats, 6 single seats and 2 toilet compartments

0226 Set of 10 brightly painted passenger figures to supplement the interior fittings

The interior fittings and figures are made of finely detailed plastic, the figures being hand painted. Illustrated installation instructions are included with each set.

Express coaches with interior fittings 9½", 10⅝" long



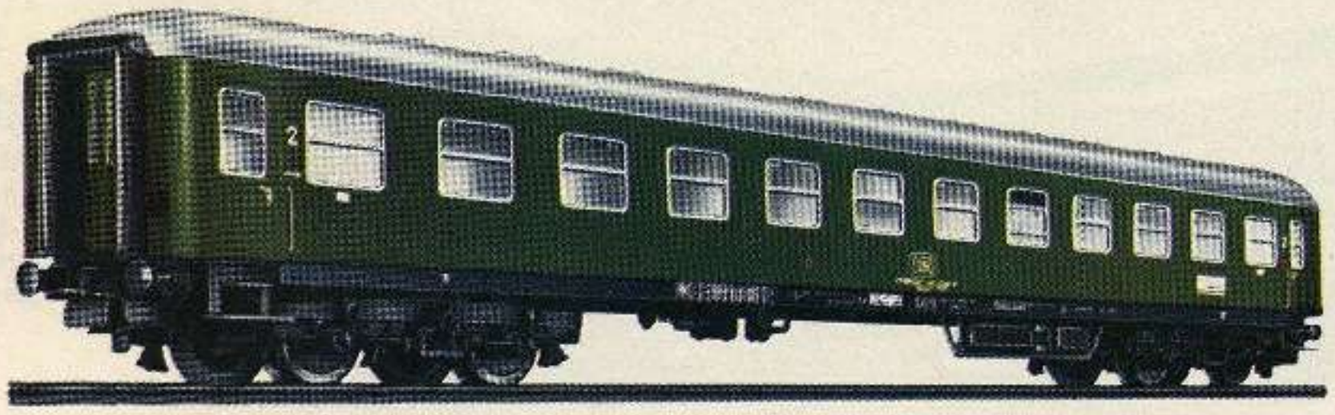


4051 4053

4051 Express coach · 1st class · A model of the German Federal Railways' type A üm · **Interior fittings** · Windows inset in plastic frames · 9½" long · Arranged for interior lighting set 7077 and current pick-up shoe 7198 (see page 65)

4053 Express coach · Similar to 4051 but with taillights and current pick-up shoe

= 7175 = 60015



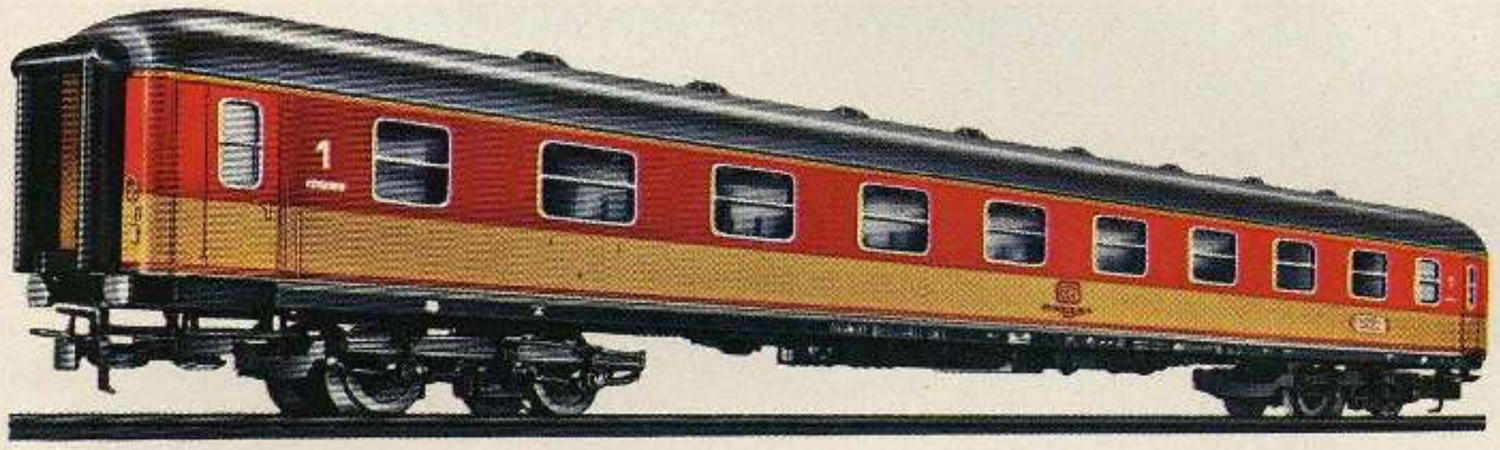
4052

4052 Express coach · 2nd class · A model of the German Federal Railways' type B üm · **Interior fittings** · Windows inset in plastic frames · 9½" long · Arranged for interior lighting set 7077 and current pick-up shoe 7198 (see page 65)



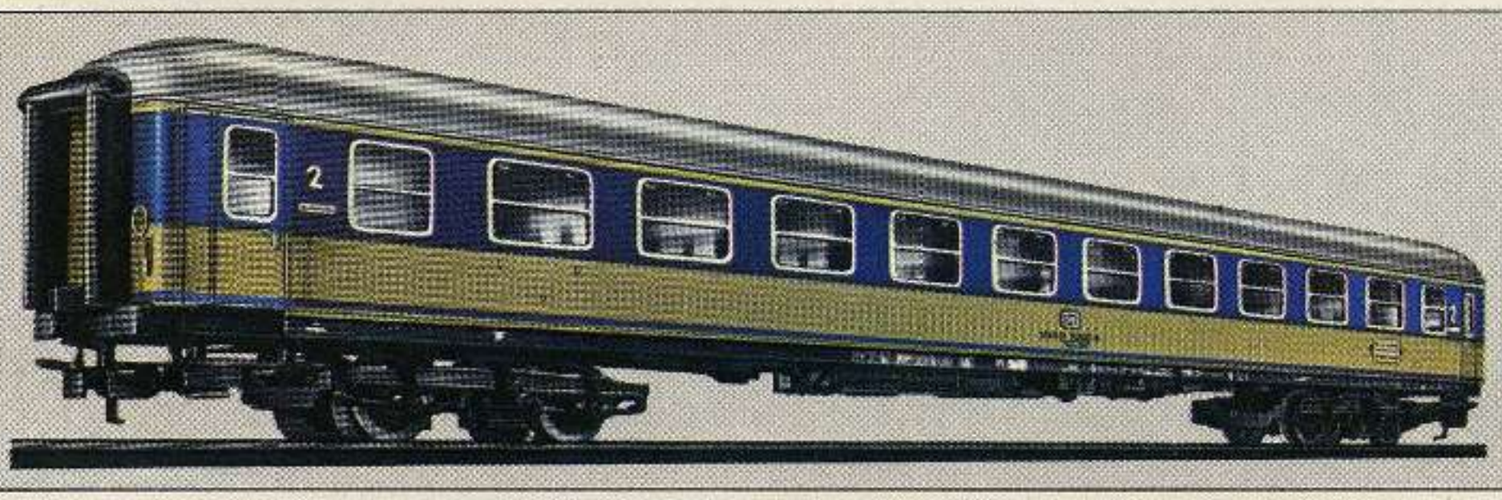
4054

4054 Express restaurant car · A model of the German Federal Railways' type WR üm 132 · **Interior fittings,** divided into kitchen and restaurant compartments · Windows inset in plastic frames · 9½" long · Arranged for interior lighting set 7320 (see page 65)



4091

4091 Express coach · 1st class · A model of the German Federal Railways' type A üm 201 · Plastic body · **Interior fittings** · Windows inset in plastic frames · 10⅝" long · Arranged for interior lighting set 7324 (see page 65)



4092

4092 Express coach · 2nd class · A model of the German Federal Railways' type B üm 234 · Plastic body · **Interior fittings** · Windows inset in plastic frames · 10⅝" long · Arranged for interior lighting set 7324 (see page 65)



4093

4093 Express baggage car · A model of the German Federal Railways' type D üm 902 · Plastic body · **Movable roller shutters** on each side · Windows inset in plastic frames · 10⅝" long · Arranged for interior lighting set 7324 (see page 65)

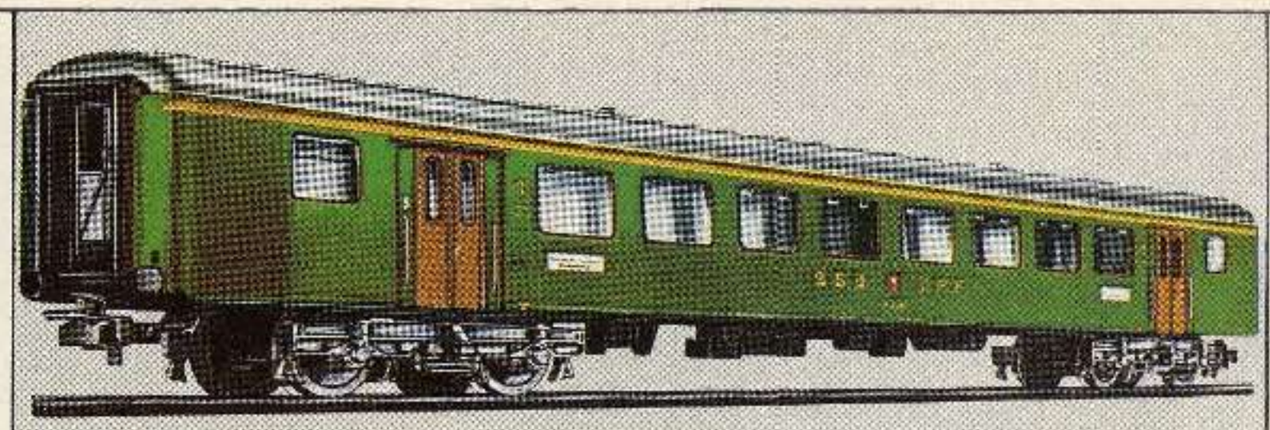


4094

4094 Express restaurant car · A model of the German Federal Railways' type WR ümh 132 · Plastic body · **Interior fittings,** divided into kitchen and restaurant compartments · Windows inset in plastic frames · 10⅝" long · Arranged for interior lighting set 7324 (see page 65)

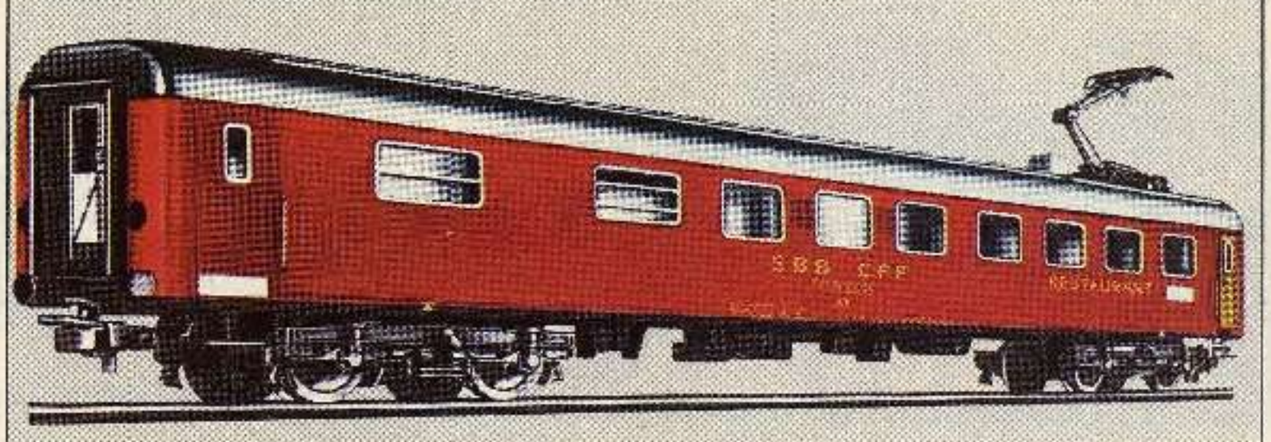
International express coaches

Light weight express coaches of the Swiss Federal Railways



4066

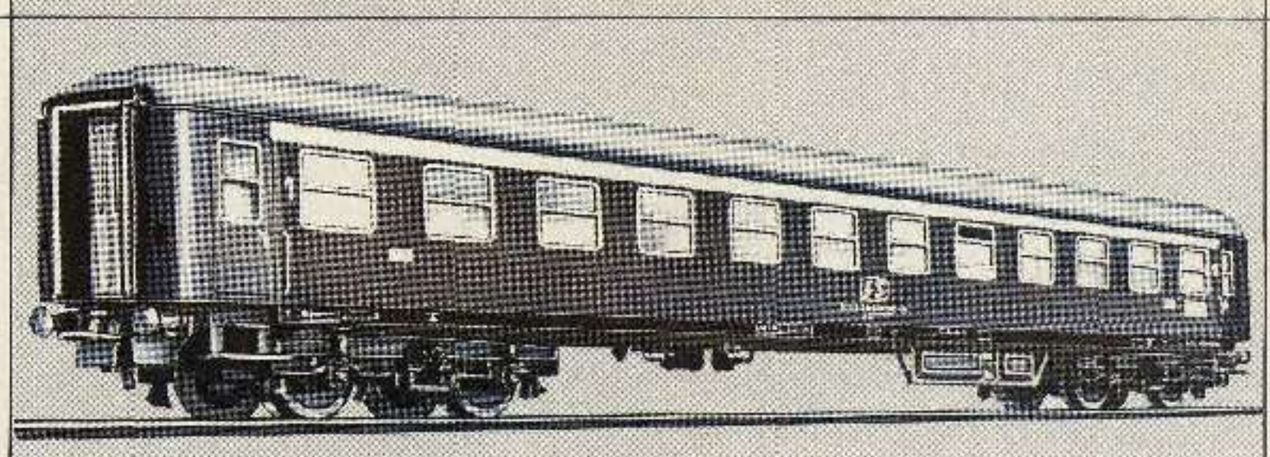
4066 Passenger coach · A model of the Swiss Federal Railways' 1st class coach of Series A 2500 · Windows inset in plastic frames · Roof with longitudinal ribs and simulated ventilators · 9½" long · Arranged for interior lighting set 7320 (see page 65)



4068

4068 Express restaurant car · A model of the Swiss Federal Railways' type RIC restaurant car · Windows inset in plastic frames · Screwed-on roof with longitudinal ribs · Single-bar pantograph on roof · 9½" long · Arranged for interior lighting set 7077 (see page 65)

Italian State Railways' express coach



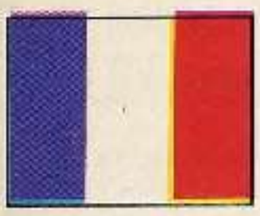
4063

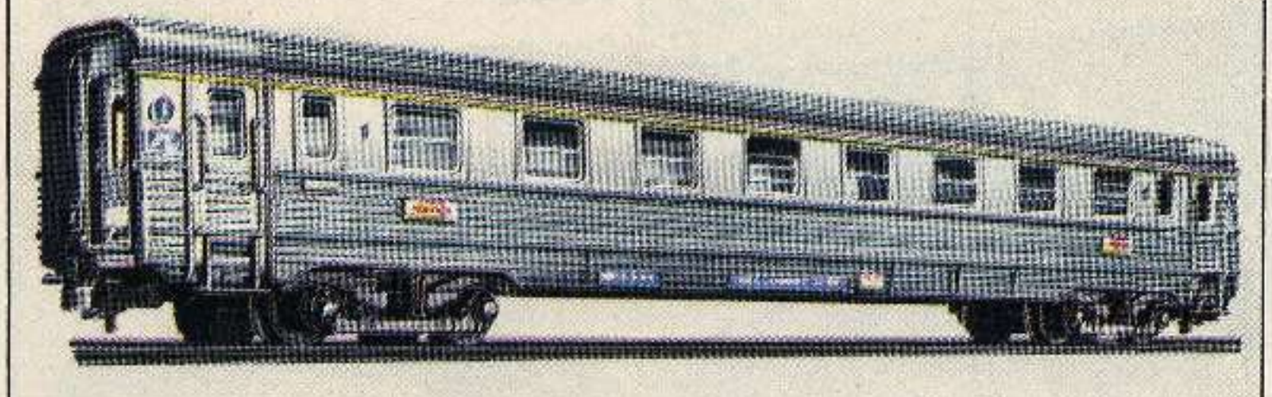
4063 Express coach · 1st class · A model of the Italian State Railways' type FS Az · **Interior fittings** · Windows inset in plastic frames · 9½" long · Arranged for interior lighting set 7077 and current pick-up shoe 7198 (see page 65)



International express coaches

Express coach of the French State Railways



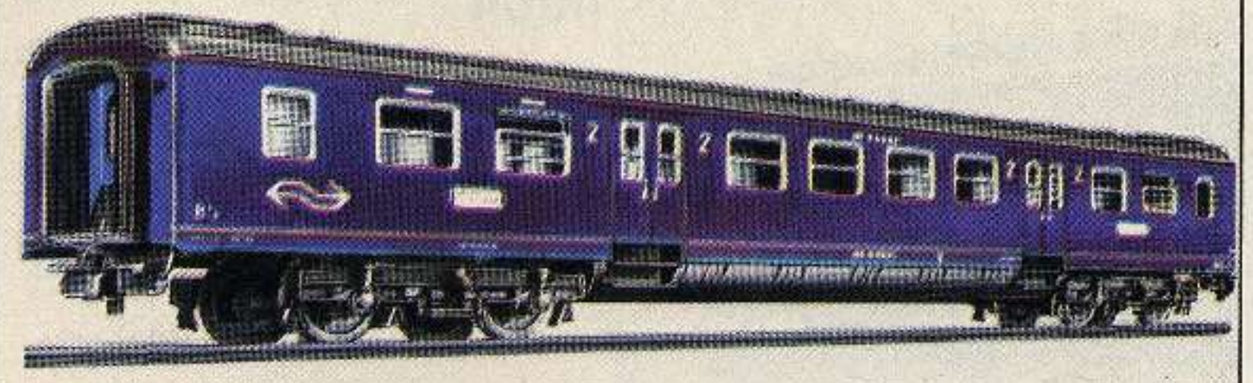


4076 NEW

4076 Express coach · 1st class · A model of the French State Railways' (SNCF) stainless steel type A8myfi · Plastic body · **Interior fittings** · Windows inset in plastic frames · 9 1/2" long · Arranged for interior lighting set 7197 (see page 65)

Express coach of the Netherlands Railways



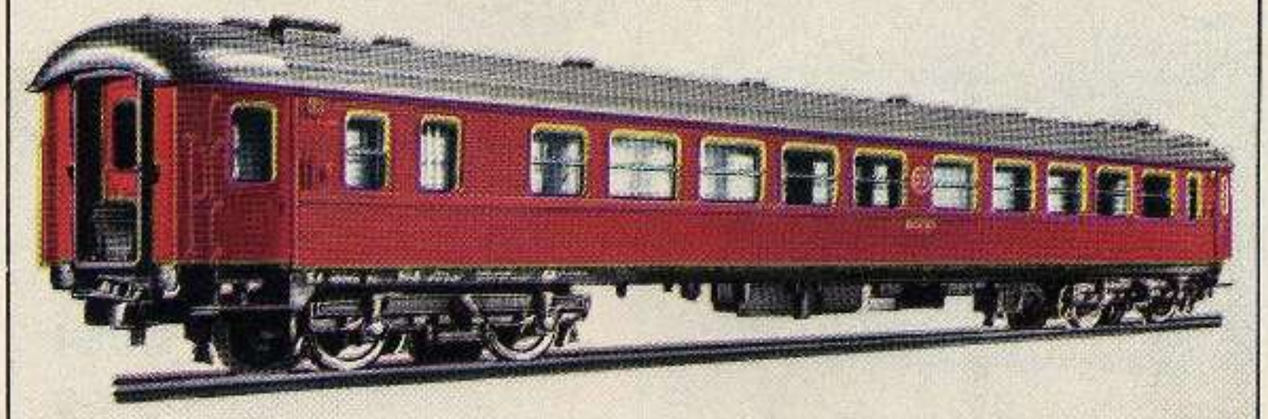


4049

4049 Express passenger coach · 2nd class · A model of the Netherlands Railways' type B 6600 · Windows inset in plastic frames · 9 1/2" long · Arranged for interior lighting set 7320 (see page 65)

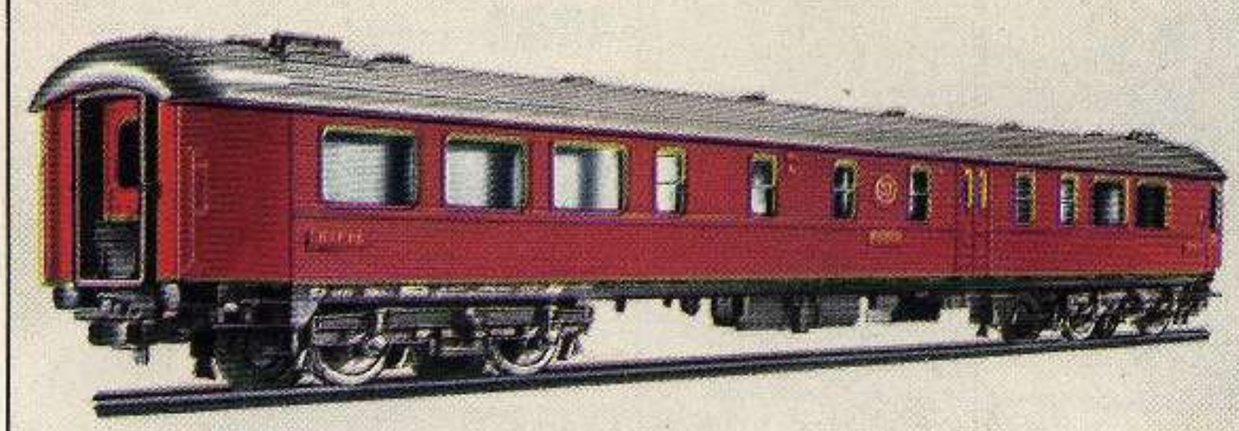
Express coaches of the Swedish State Railways





4072

4072 Express coach · 2nd class · A model of the Swedish State Railways' type Bo 1 · Plastic body · Windows inset in plastic frames · 9 3/8" long · Arranged for interior lighting set 7197 (see page 65)

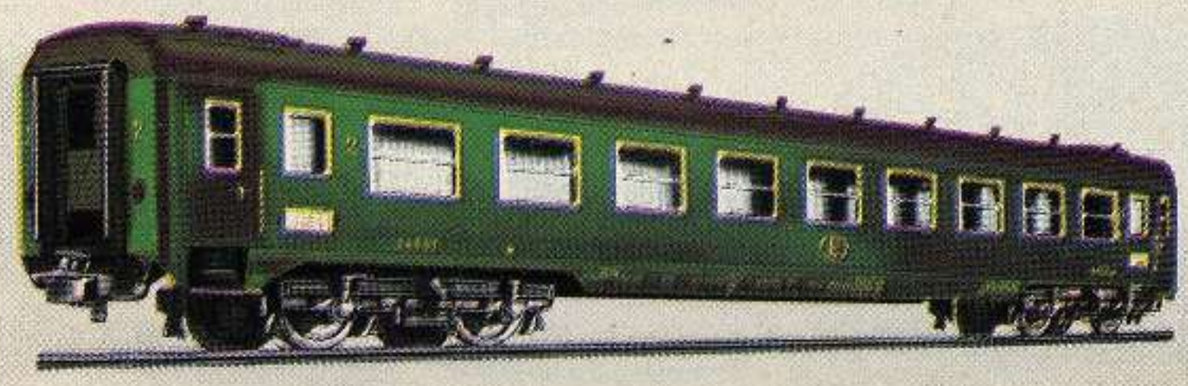


4073

4073 Express restaurant car · A model of the Swedish State Railways' type RBo 2 · Plastic body · Windows inset in plastic frames · 9 3/8" long · Arranged for interior lighting set 7197 (see page 65)

Express coach of the Belgian State Railways



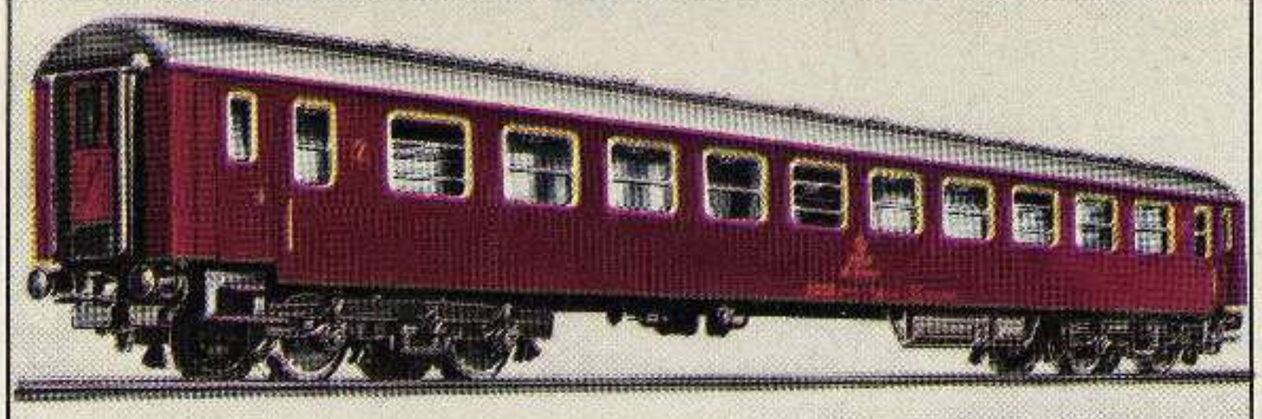


4069

4069 Express couchette car · 2nd class · A model of the Belgian State Railways' (SNCB) type RIC couchette car · Roof with simulated ventilators · Windows inset in plastic frames · 9 1/2" long · Arranged for interior lighting set 7320 (see page 65)

Express coach of the Danish State Railways





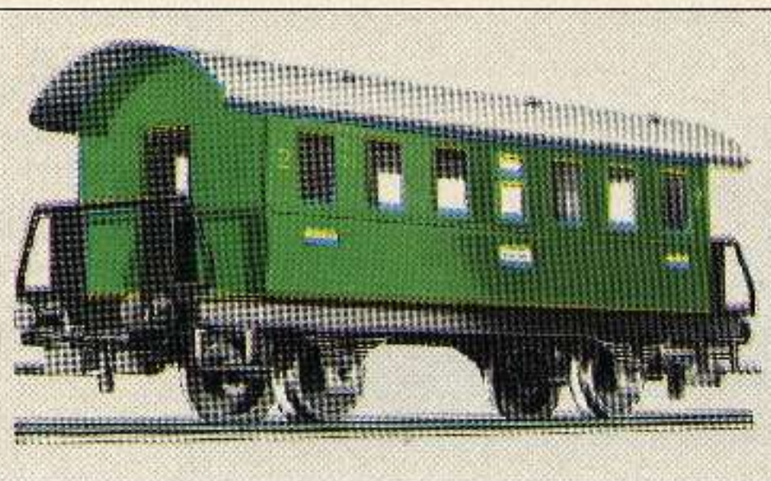
4045

4045 Express coach · 2nd class · A model of the Danish State Railways' (DSB) type B 2300 · Windows inset in plastic frames · 9 1/2" long · Arranged for interior lighting set 7077 and current pick-up shoe 7198 (see page 65)

The passenger and express coaches on pages 40/41 are equipped with automatic coupling and advance uncoupler (RELEX).

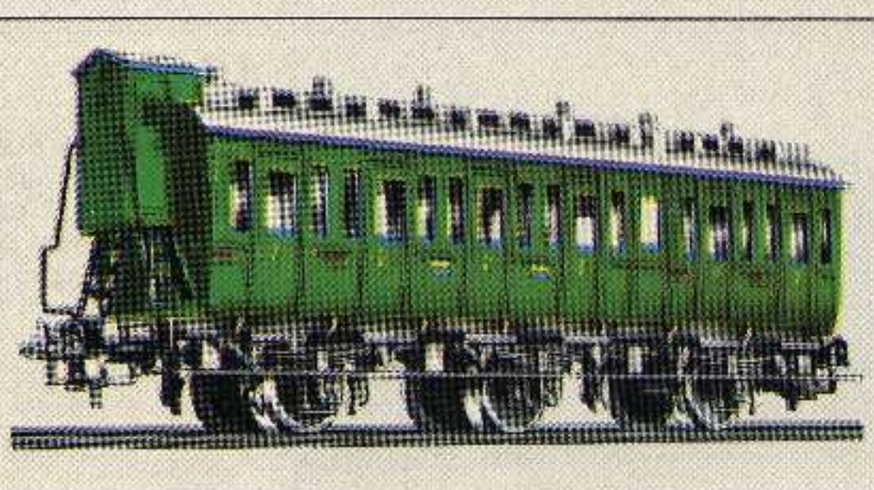
Passenger coaches

with automatic coupling and advance uncoupler (RELEX, see page 44)



4000

4000 Passenger coach · Platform and entrance at each end · Open windows · $4^{3}/_{8}$" long

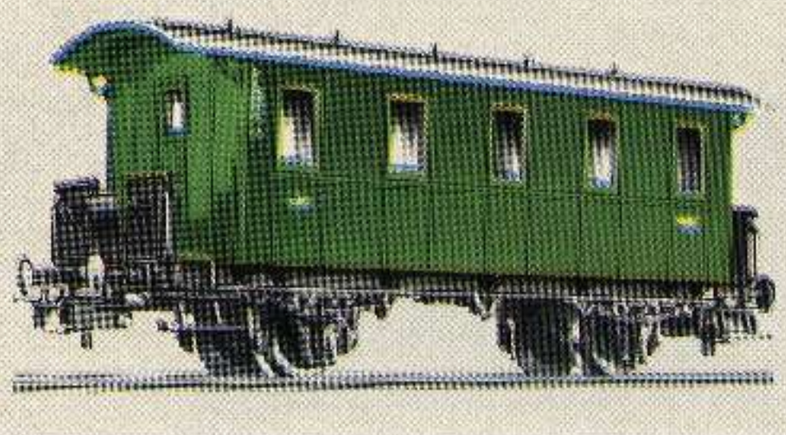


4004

4004 Compartment coach without brakeman's cab · Sides opening into 6 compartments · Windows glazed with cellon plastic · $5^{1}/_{4}$" long · Arranged for interior lighting set 7074 (see page 65)

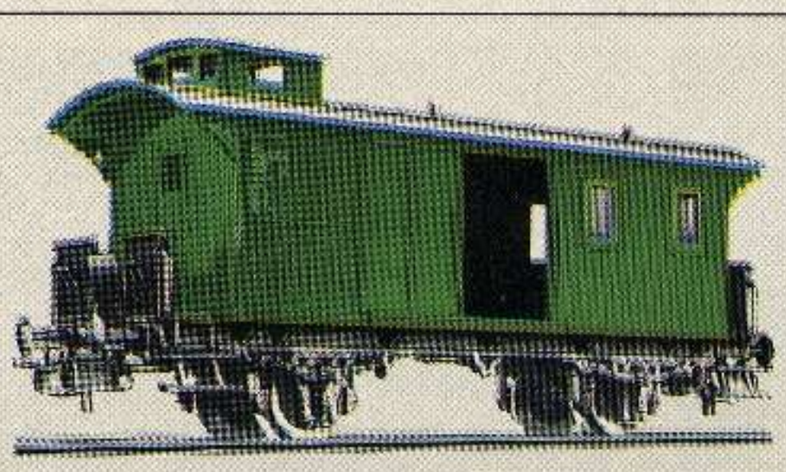
4005

4005 Compartment coach with brakeman's cab · Sides opening into 6 compartments · Windows glazed with cellon plastic · $5^{1}/_{4}$" long · Arranged for interior lighting set 7074 (see page 65)



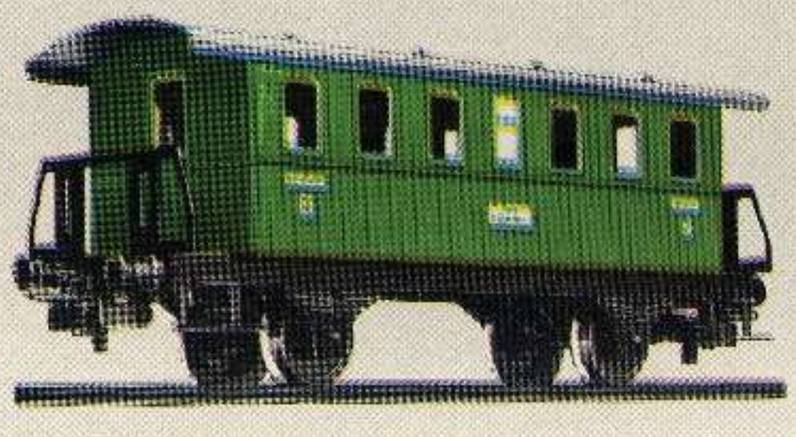
4007

4007 Passenger coach · A model of a private railroad coach · Platform and entrance at each end · Plastic body · Simulated roof ventilators · Windows inset in plastic frames · **Interior fittings** · $4^{1}/_{4}$" long · Arranged for interior lighting set 7323 (see page 65)



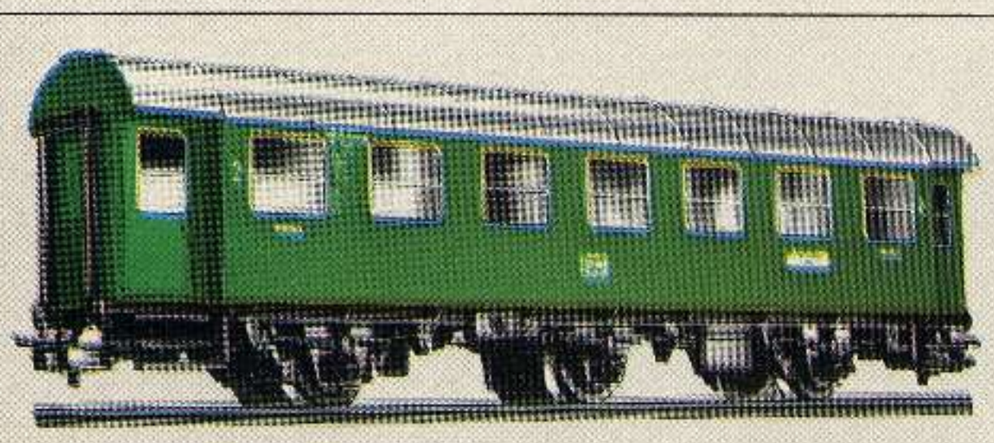
4008

4008 Baggage car · A model of the Stuttgart Railways' private car No. 0116911 · Platform and entrance at each end · Plastic body · Simulated ventilators and superstructure for conductor's cab · Windows inset in plastic frames · $4^{1}/_{4}$" long · Arranged for interior lighting set 7323 (see page 65)



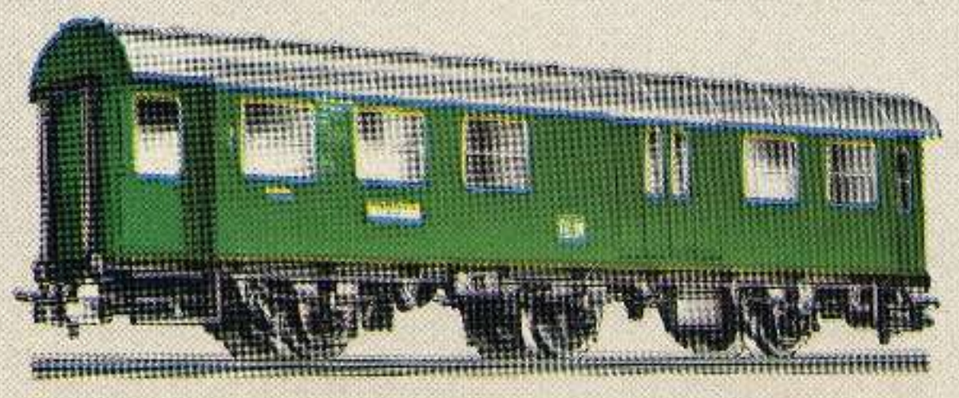
4040

4040 Passenger coach · Platform and entrance at each end · Open windows · $4^{3}/_{8}$" long



4079

4079 Passenger coach · A model of the German Federal Railways' type B3yge · Plastic body · Windows inset in plastic frames · Simulated rubber beading 6" long · Arranged for interior lighting set 7074 (see page 65)



4080

4080 Passenger coach with baggage compartment · A model of the German Federal Railways' type BD3yge · Plastic body · Windows inset in plastic frames · Simulated rubber beading · 6" long · Arranged for interior lighting set 7074 (see page 65)

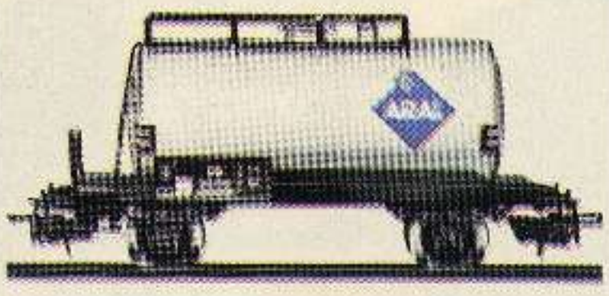
Freight cars 4500

Freight cars with plastic bodies and automatic coupling and advance uncoupler (RELEX, see page 44)

All the underframes of these cars are made of metal and painted mat black. All wheels are of die-cast zinc. The bodies are made of plastic. All lengths quoted are measured over the buffers.

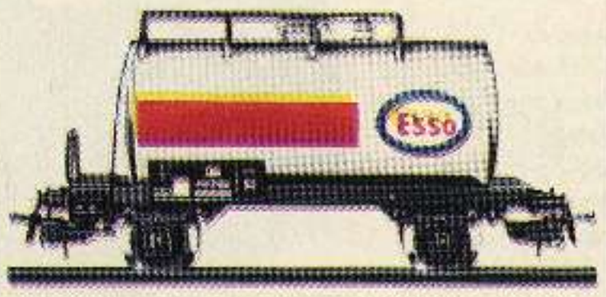
4500

4500 Tank car · ARAL · 4" long



4501

4501 Tank car · ESSO · 4" long



4502

4502 Tank car · SHELL · 4" long



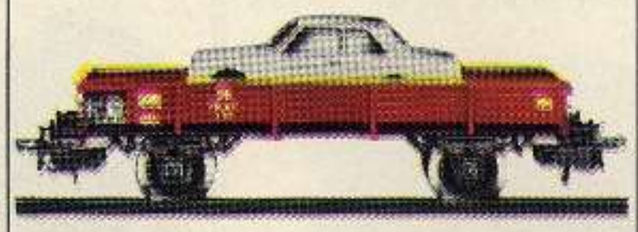
4503

4503 Low-sided car · 4" long



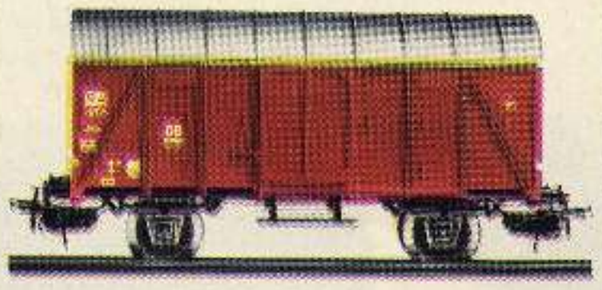
4504

4504 Low-sided car · Loaded with miniature automobiles · 4" long



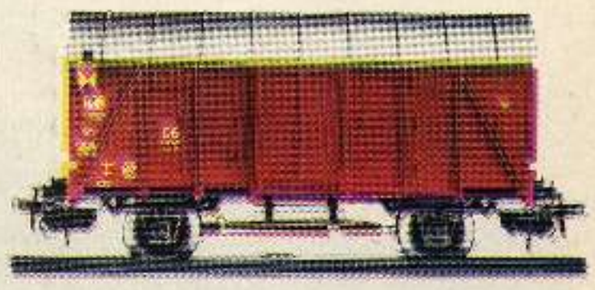
4505

4505 Box car · 4" long



4506

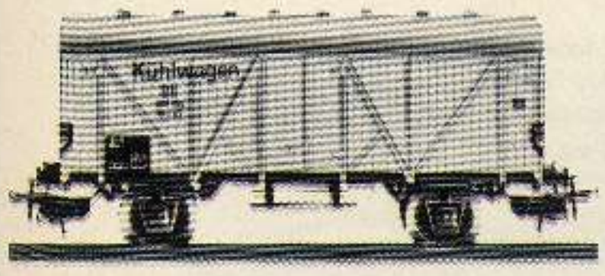
4506 Box car · Working taillights placed at side · Current pick-up shoe · 4" long



= 60010

4508

4508 Refrigerator car · 4" long



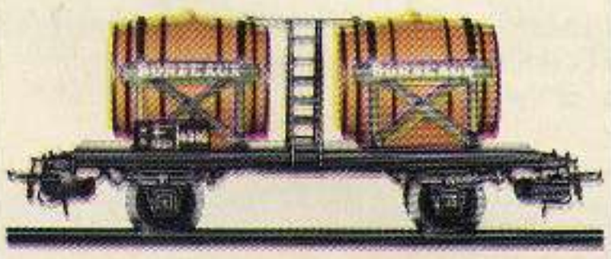
4509

4509 Banana car · 4" long



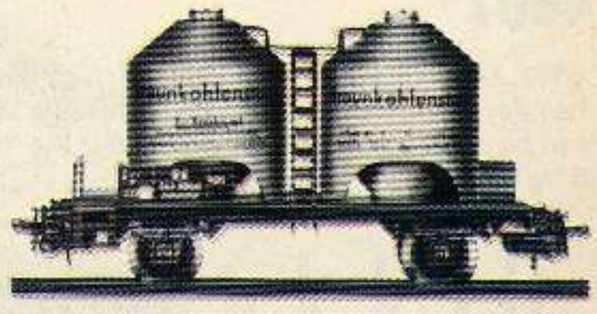
4510

4510 Wine car · 4" long



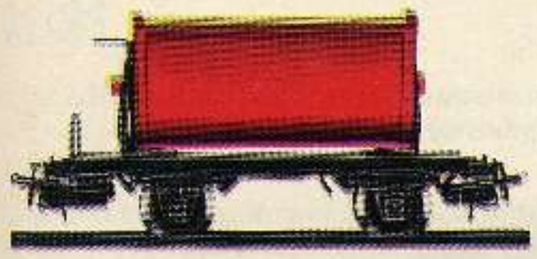
4511

4511 Pulverised coal car · 4" long



4513

4513 Dump car · Will dump to either side · With locking lever · $3\frac{3}{8}$" long



4514

4514 Low-sided car · $7\frac{1}{4}$" long



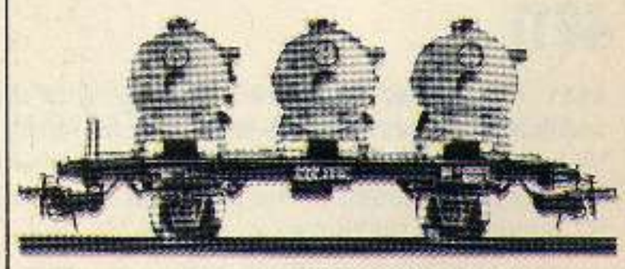
4517

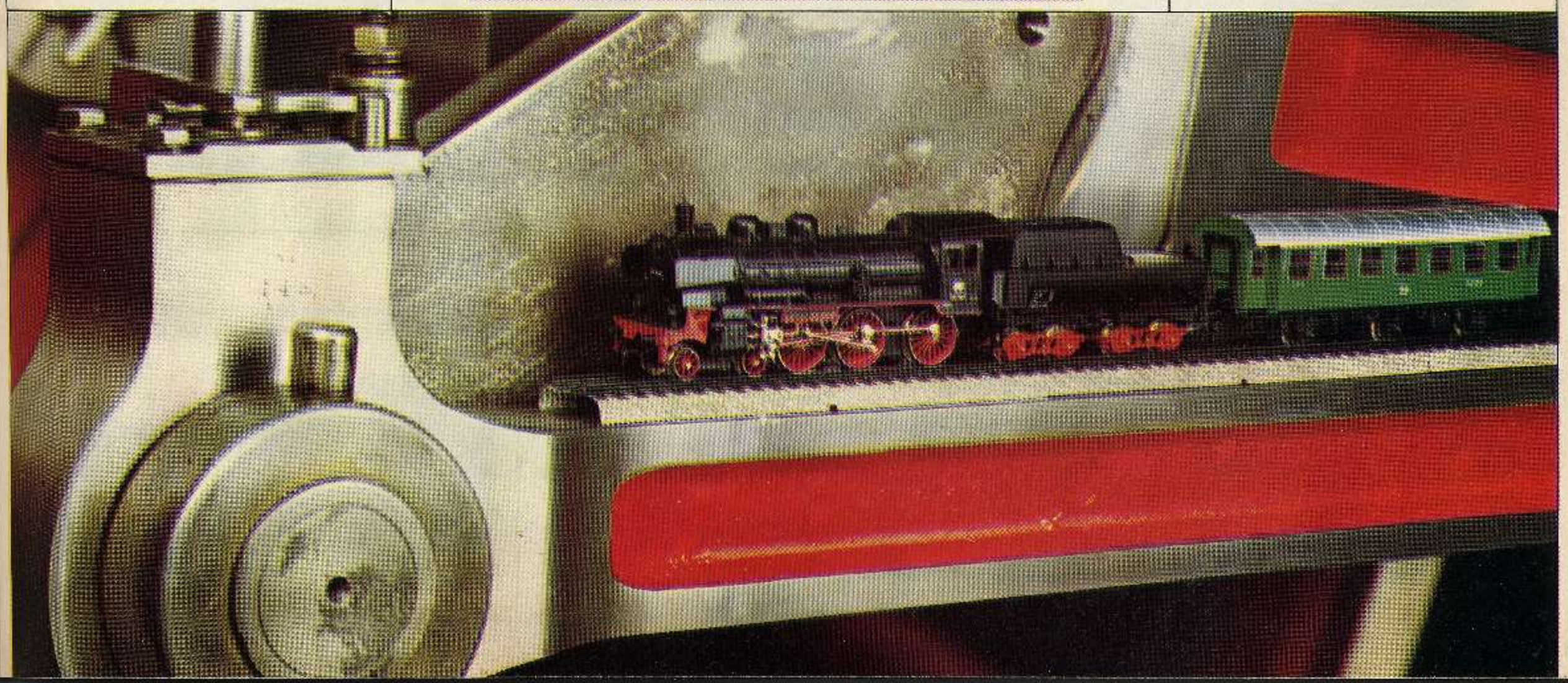
4517 Covered flat car · $7\frac{1}{4}$" long



4520

4520 Chemical container car · BAYER · **Containers can be removed by crane 7051** · $4\frac{1}{4}$" long





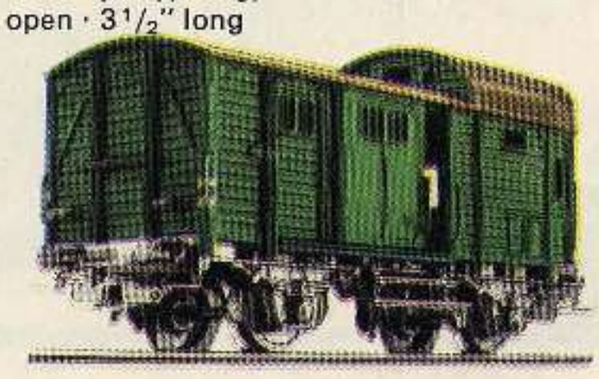
Scale model freight cars 4600

Scale model freight cars with automatic coupling and advance uncoupler (RELEX)

We have specially worked out the details of these models. The RELEX coupling is quite essential for realistic switching. When the coupling has been opened by means of an uncoupling track section, the catch of the coupling remains open so that the car can be pushed away or allowed to roll down a ramp.

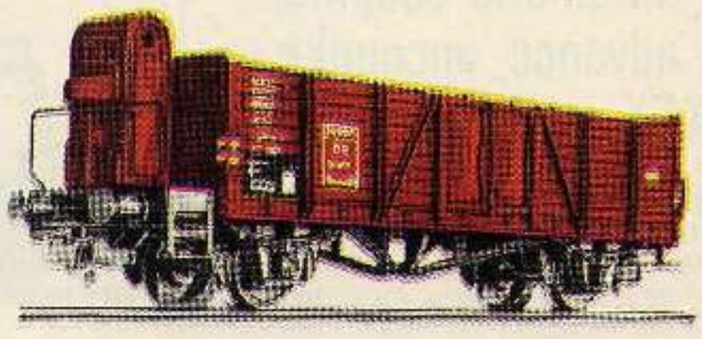
4600

4600 Freight train baggage car (German Federal Railways' type Dg) · Doors on both sides which will open · 3 1/2" long



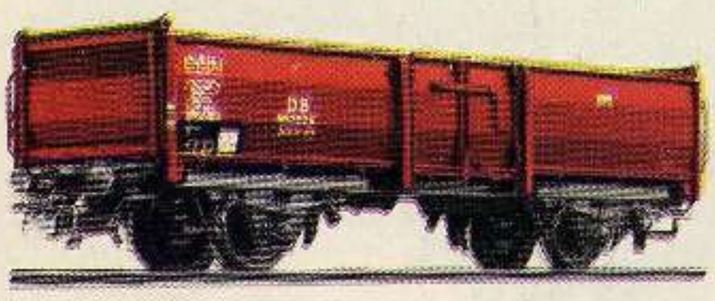
4601

4601 Open freight car with brakeman's cab (German Federal Railways' type Omm 33) · 4 3/8" long



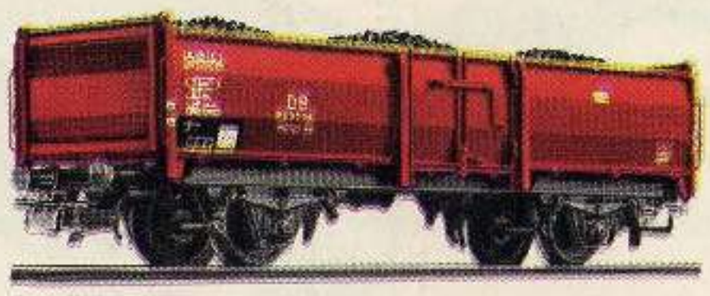
4602

4602 Open freight car (German Federal Railways' type Omm 52) · 4 3/8" long



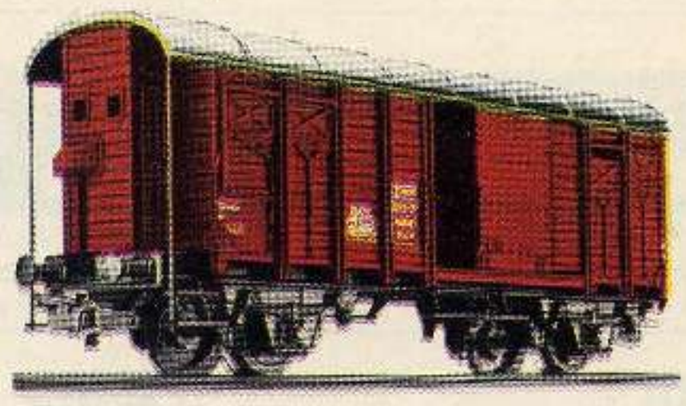
4604

4604 Open freight car (German Federal Railways' type Omm 52) · With romovable load simulating coal · 4 3/8" long



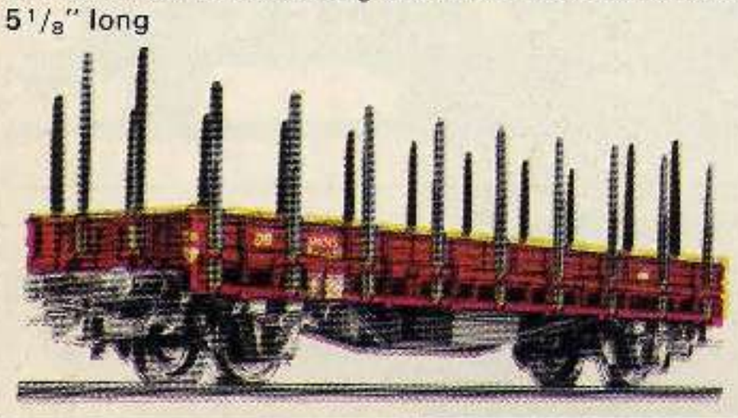
4605

4605 Box car with brakeman's cab of the Swiss Federal Railways (SBB-K³) · Doors on both sides which will open · 4 1/4" long



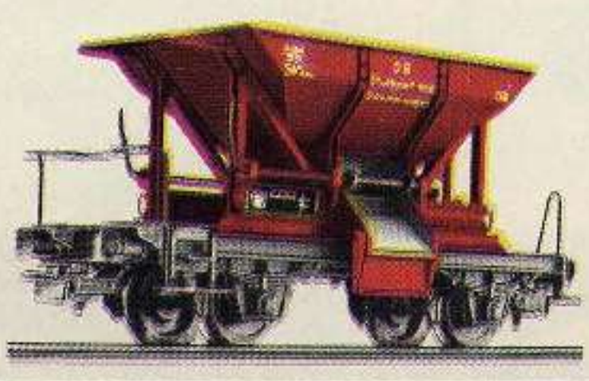
4607

4607 Low side car with stakes (German Federal Railways type Rmms 33), with removable stakes which can be stored in the sliding box under the floor of the car · 5 1/8" long



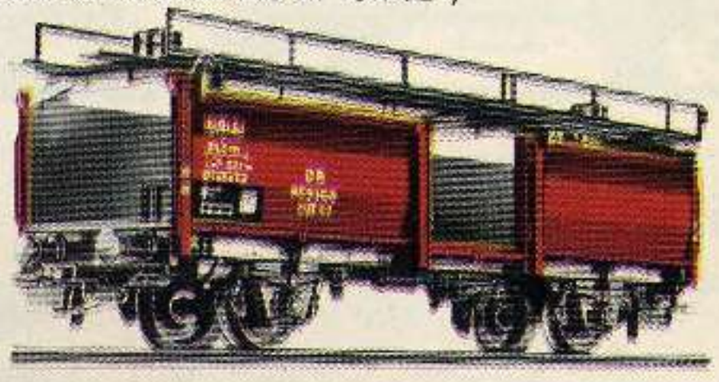
4610

4610 Ballast car with unloading doors operated by hand lever · 3 3/4" long



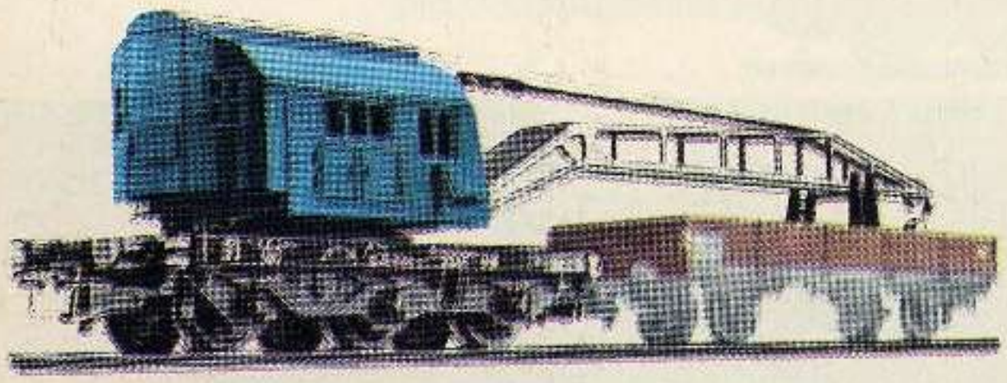
4612

4612 Automobile transporter with loading ramp · Not loaded · 4 3/8" long · (On the German Federal Railways two transporters are always coupled together to form a unit known as an "Off 52")



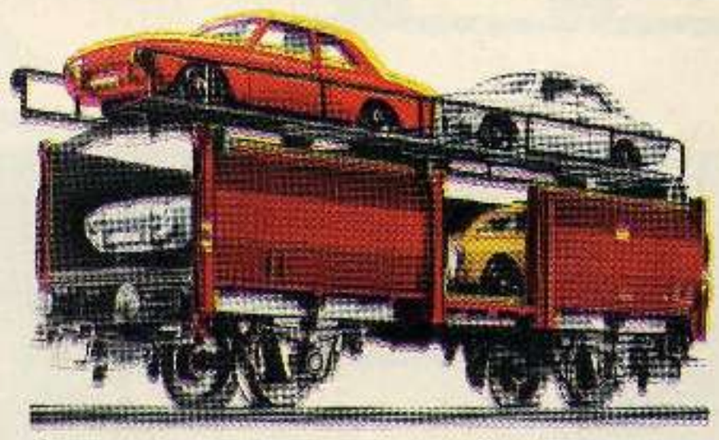
4611

4611 Crane car with slewing crane, with movable boom and boom support · Crane hook can be raised and lowered by handle · Underframe 3 1/2" long · (Low-sided car 4503 is not included in the price but is recommended for moving the crane car)



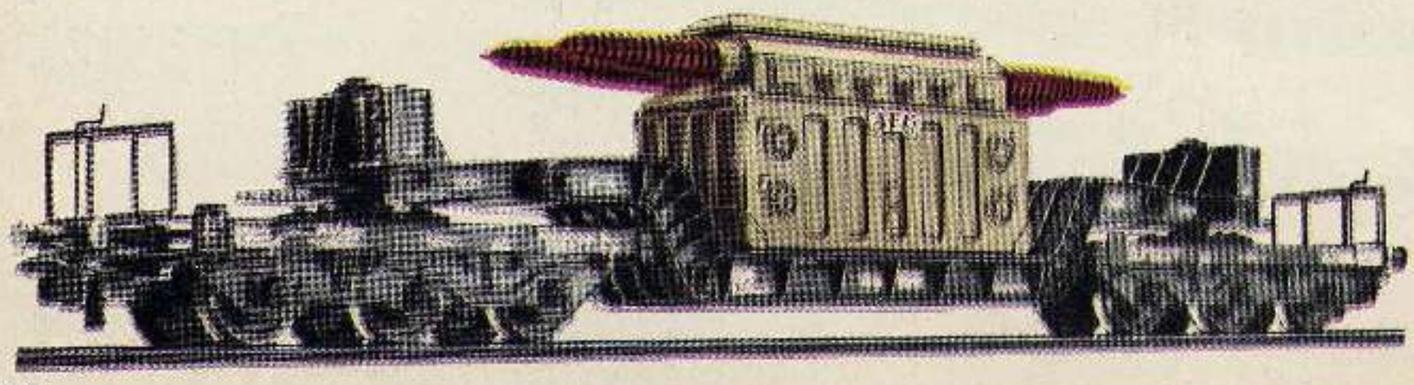
4613

4613 Automobile transporter with loading ramp · Loaded with miniature automobiles · 4 1/2" long



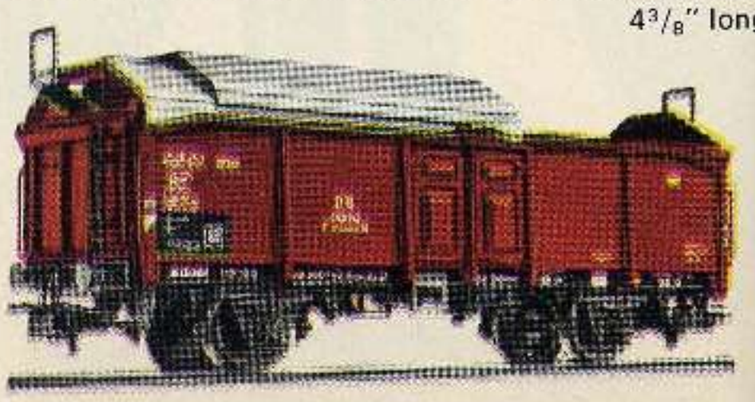
4617

4617 Depressed center flat car · Loaded with a transformer · 9 7/8" long



4619

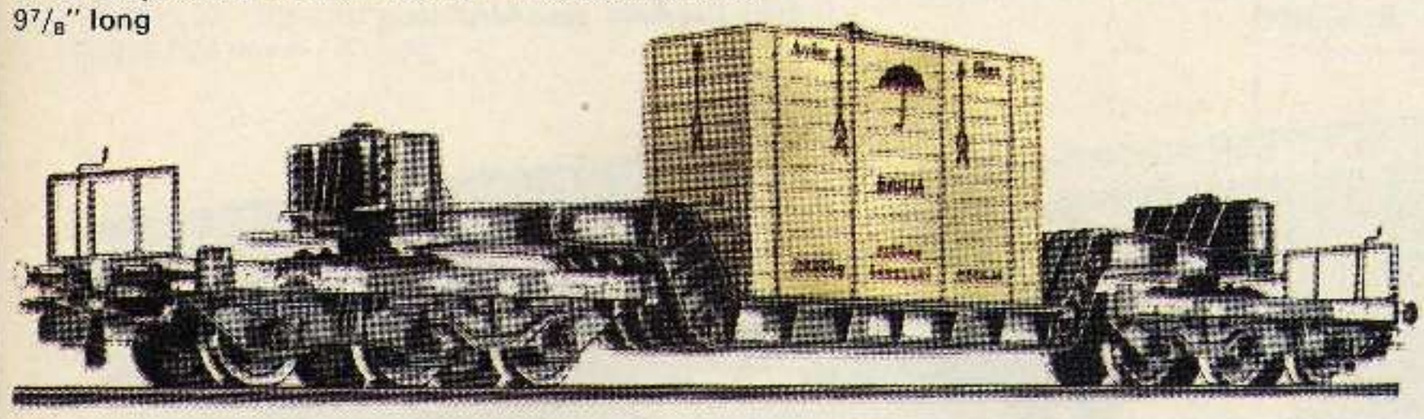
4619 Sliding-roof car (German Federal Railways' type Kmmks 51) · The two halves of the roof will slide open · 4 3/8" long



Scale model freight cars 4600

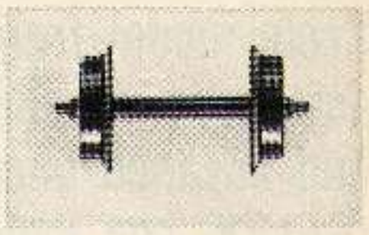
4618

4618 Depressed center flat car · Loaded with crate · $9^7/_8$" long



Märklin-HAMO Sets of wheels

for two-rail DC operation



7587

7587 Wheel set consisting of 3 axle sets · For converting the cars 4611, 4617 and 4618 to two-rail DC operation

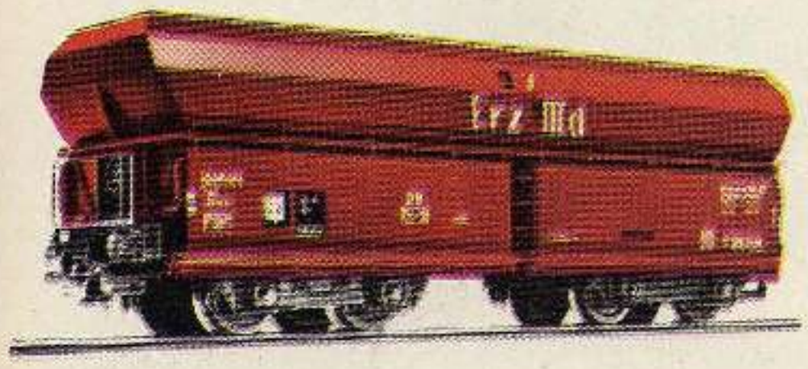
7588

7588 Wheel set consisting of 4 axle sets · For converting all cars of the 4600 series (except 4611, 4617, 4618, 4631, 4633, 4635, 4644, 4646, 4657, 4659, 4664 and all freight cars with 4 axles) to two rail DC operation

4624

This type of car is used in international traffic for transporting coal, coke, ore, etc, generally in complete trains which are not broken up until they reach their final destination.

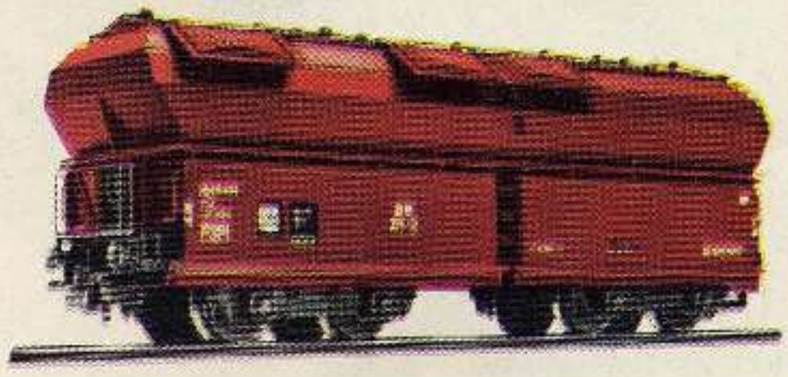
4624 High-capacity freight car · A model of the German Federal Railways type OOtz 50 · $5^1/_4$" long



4626

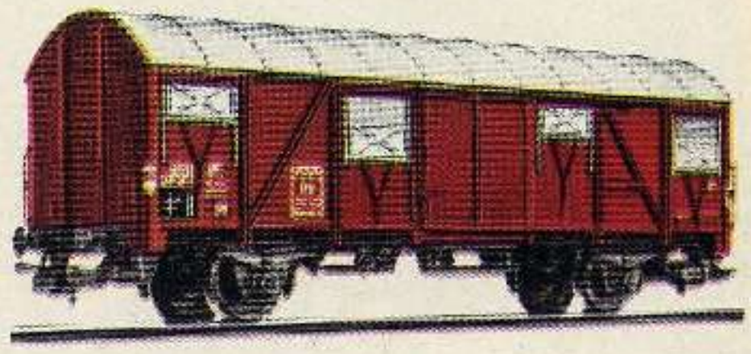
On a number of high-capacity freight cars fixed covers are fitted so that bulk materials which need protection from the elements, e. g. grain, can also be carried.

4626 High-capacity freight car with hinged roof covers · A model of the German Federal Railways' type KKt 57 · All the covers will open · $5^1/_4$" long



4627

4627 Box car · A model of the German Federal Railways' type GImmehs 57 · $5^1/_4$" long



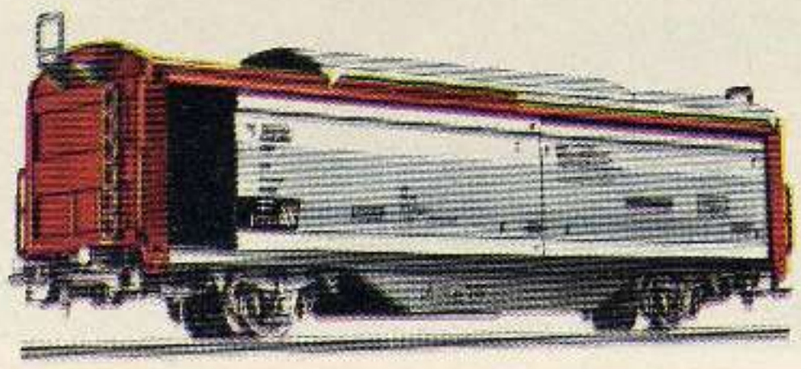
4632

4632 Beer tank car · $7^3/_4$" long



4633

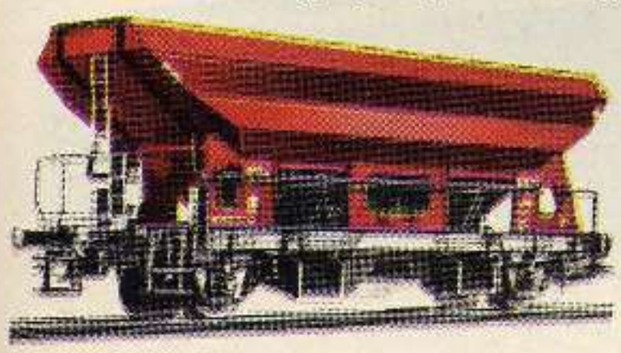
4633 Freight car with sliding sides and roof (DB-KImmgks 66) · The halves of the roof and the sides will slide open · $6^1/_4$" long



4631

4631 Side dumping car with opening doors · A model of the German Federal Railways' type Otmm 70 · $4^3/_8$" long

The discharging doors can be opened by hand-lever or by remote control using the uncoupling track sections 5112 (page 50) and 2197 (page 55).



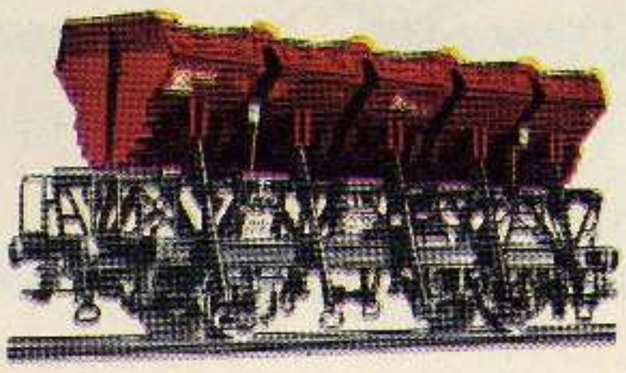
4634

4634 Beer tank car · A model of a car belonging to the Dortmunder Union-Brauerei · Roof with simulated ventilators · $5^1/_4$" long



4635

4635 Dump car · A model of the German Federal Railways' type Ommi 51 · Tips after the center holding-bar is unfastened · $4^1/_8$" long

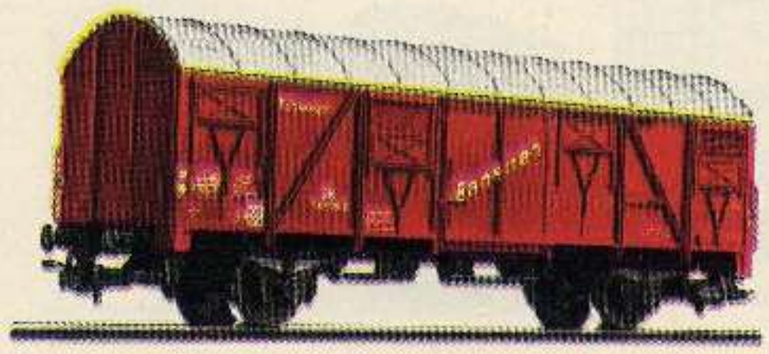


Scale model freight cars 4600

Scale model freight cars with automatic coupling and advance uncoupling (RELEX, see page 44)

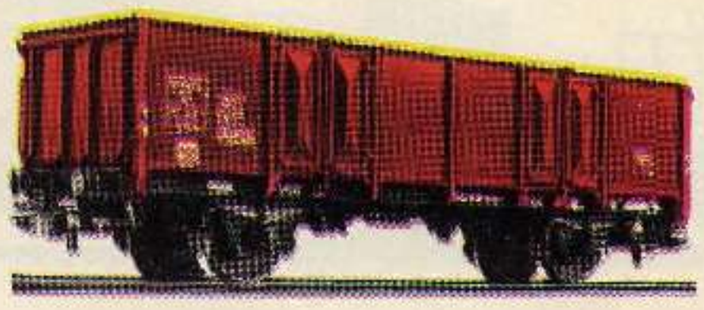
4637

4637 Box car · A model of the German Federal Railways' type Tnomehs 59 · 5 1/4" long



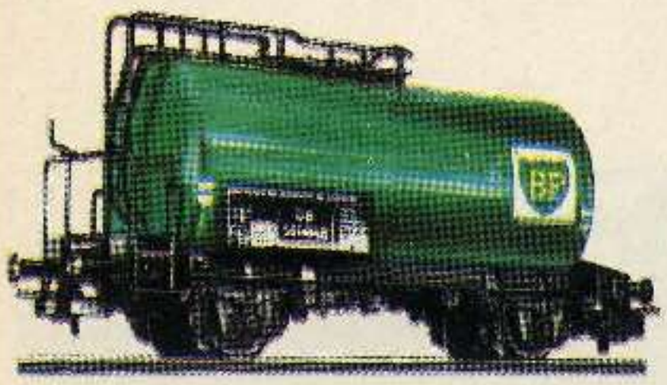
4639

4639 Open freight car · A model of a Netherlands State Railways' car · 4 3/8" long



4644

4644 Tank car · A model of the standard tank car, with BP markings · 4 1/8" long



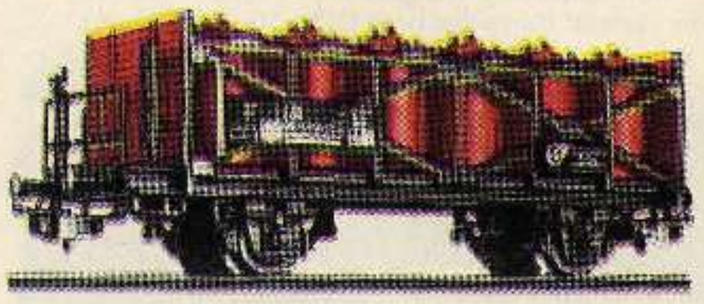
4646

4646 Tank car · A model of the standard tank car, with ARAL markings · 4 1/8" long



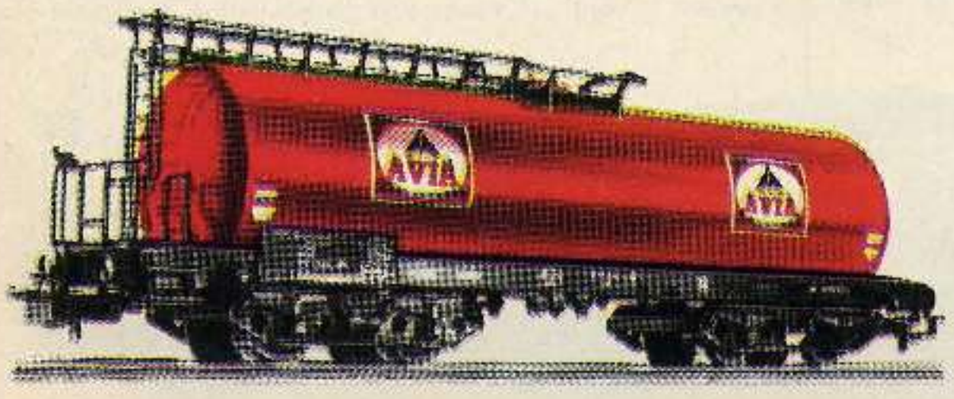
4657

4657 Acid container car · A model of an acid container car belonging to the German Federal Railways · 12 simulated acid containers made of plastic · 4 3/8" long



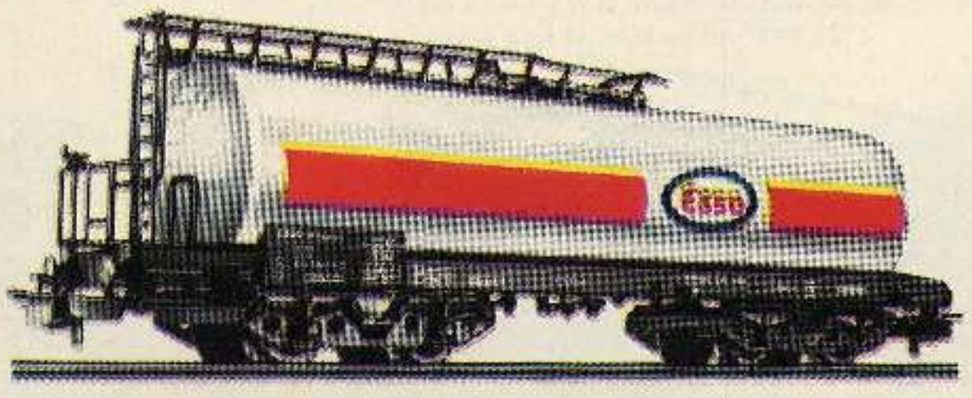
4649

4649 Tank car · AVIA · 6 1/2" long



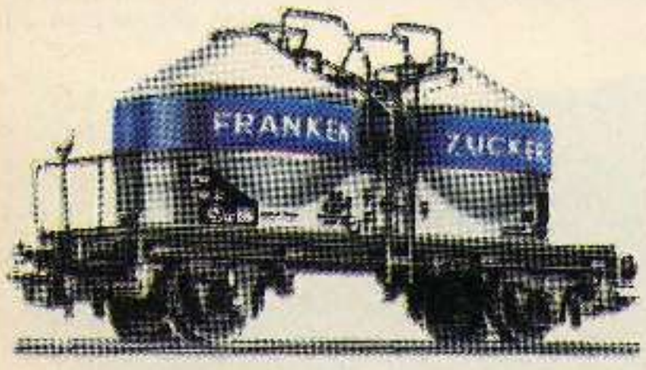
4650

4650 Tank car · ESSO · 6 1/2" long



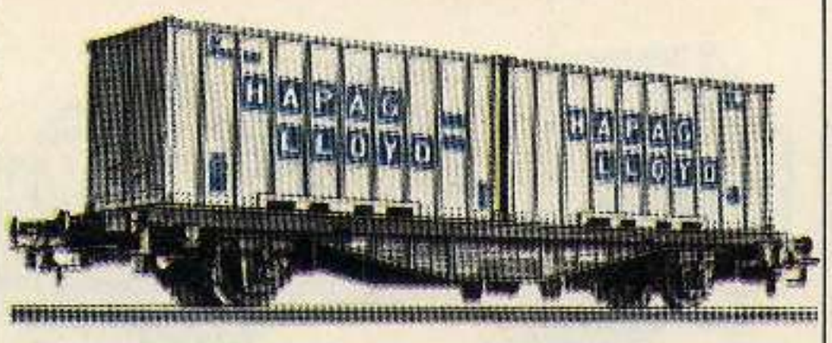
4658

4658 Car for fine bulk material · A model of the German Federal Railways' type Kds 54 in use as a private car of the Franken-Sugar Co · 4" long



4659

4659 Container car · A model of the German Federal Railways' "Berlin" type container car · Loaded with 2 removable containers · 6" long



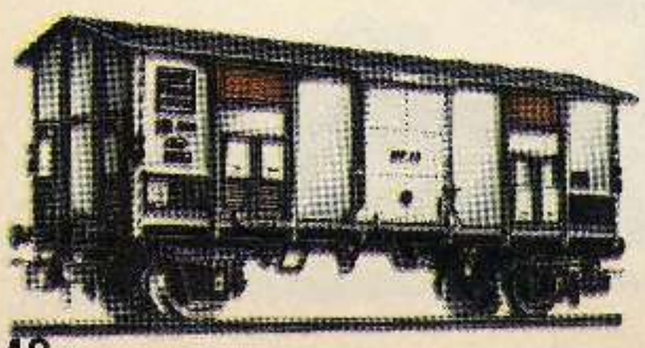
4660

4660 Beer car · A model of a car owned by the Kulmbacher Mönchshof-Bräu · Roof with simulated ventilators · 5 1/4" long



4550

4550 Box car · A model of an Italian State Railways' car · 4 1/4" long



4666

4666 Beer car · A model of a car owned by the Würzburger Hof Brewery · Roof with simulated ventilators · 5 1/4" long



4667 NEW

4667 Beer car · A model of a car owned by the Bavaria St. Pauli Brewery · Roof with simulated ventilators · 5 1/4" long

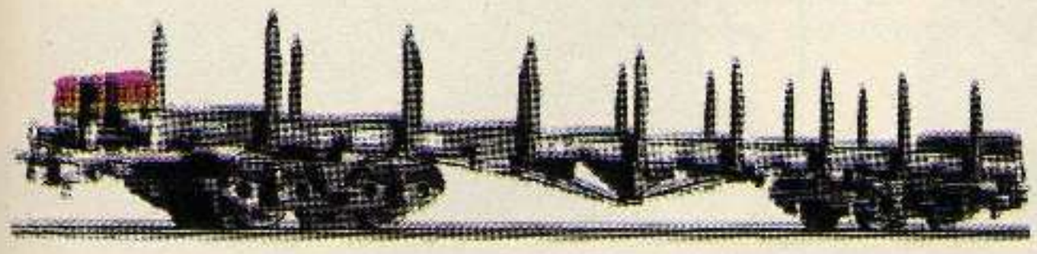


MärklinHO

Scale model freight cars

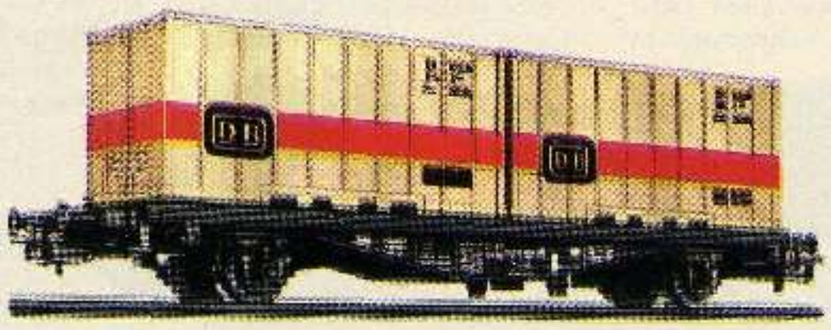
4663

4663 Flat car · A model of the German Federal Railways' type SSlmas 53 · Die-cast zinc metal body · Side stanchions fold down · 9" long



4664

4664 Container car · A model of the German Federal Railways' "Berlin" type container car · Loaded with 2 removable containers · 6" long





4575 American freight cars

4575 Gondola · A "Dixie" line model · $7^{7}/_{8}$" long



4571

4571 Box car · A model of a Western Pacific Railroads' 50-ton box car · Roof walk mounted on roof · Doors which will open on both sides · 8" long



4576

4576 Caboose · Roof superstructure with walkway and ladders · $3^{1}/_{8}$" long



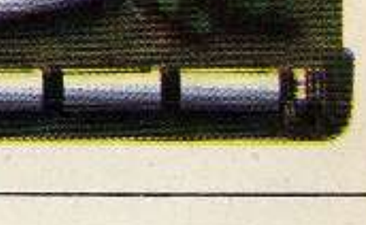
4577

4577 Caboose · Roof superstructure with walkway and ladders · $3^{1}/_{8}$" long



Märklin-HAMO Sets of wheels

for two-rail DC operation



7587

7587 Wheel set consisting of 3 sets of axles · For converting the cars 4611, 4617 and 4618 to two-rail DC operation

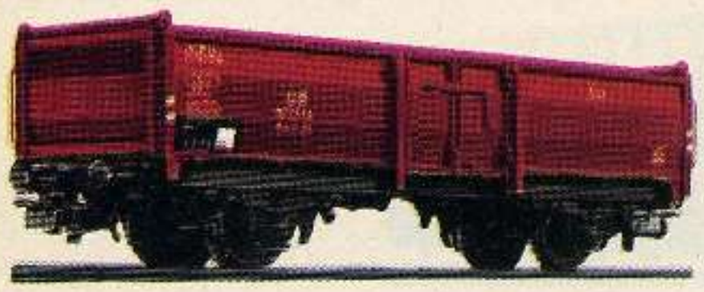
7588

7588 Wheel set consisting of 4 sets of axles · For converting all cars of the 4600 series (except 4611, 4617, 4618, 4631, 4633, 4635, 4644, 4646, 4657, 4659, 4664 and all freight cars with 4 axles) to two-rail DC operation

Car kits

4902

4902 Open freight car kit
Assembled kit 4902



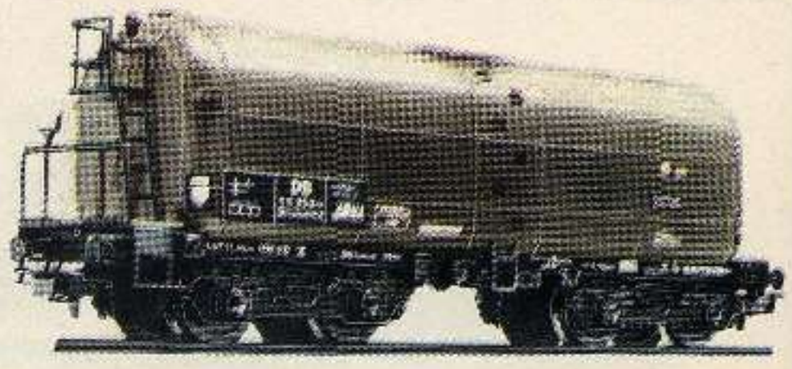
4918

4918 Refrigerator car kit
Assembled kit 4918



4921

4921 High-capacity tank car kit
Assembled kit 4921



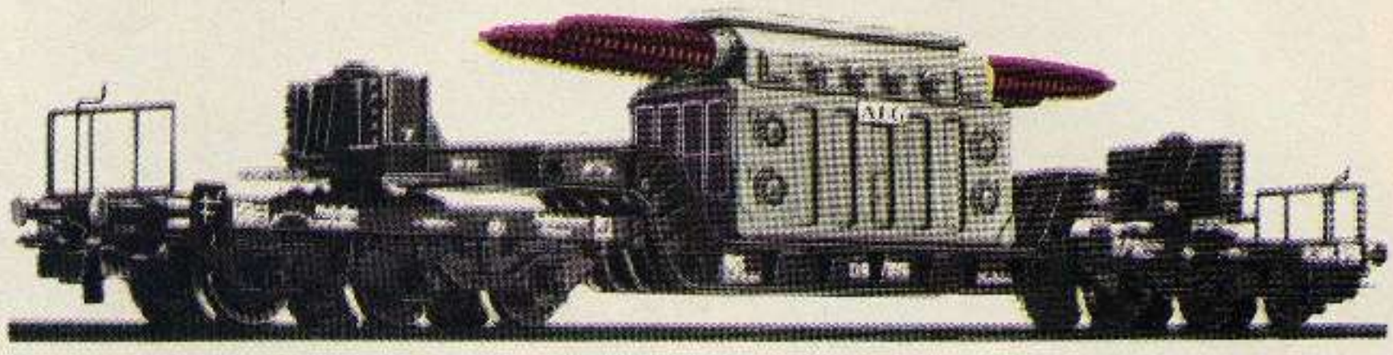
4912

4912 Derrick car kit
Assembled kit 4912



4917

4917 Depressed center flat car kit
Assembled kit 4917



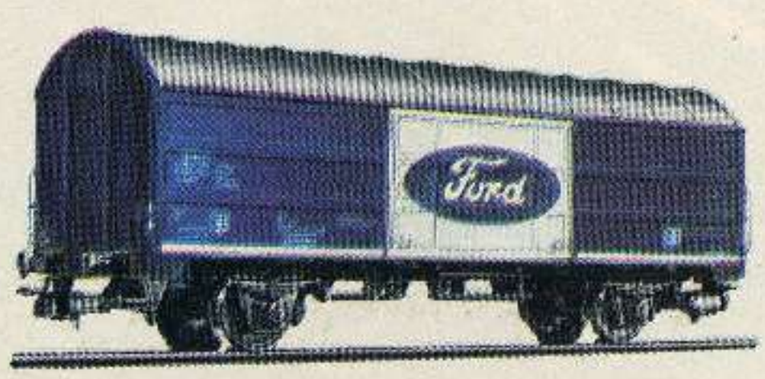
4934

4934 Beer car kit
Assembled kit 4934



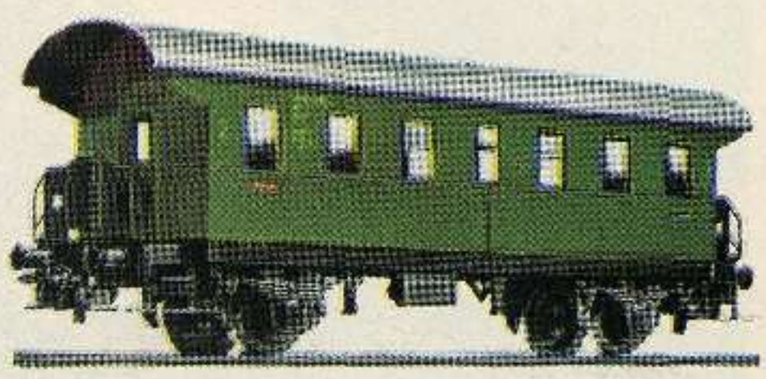
4937

4937 Box car kit
Assembled kit 4937



4802

4802 Passenger coach kit
Assembled kit 4802



Car kits

These car kits enable you to build your own cars. Each kit includes the necessary illustrated instructions and all the kits include automatic couplers and advance uncouplers (RELEX). To assemble them the only tools needed are a screwdriver and a pair of pliers, with a hammer in addition for car 4902.

The models 4802, 4918, 4921, 4934 and 4937 are available only in kit form.



MärklinHO

M-track

Märklin M-tracks (M = metal) for trouble-free layout

Here we show our proven metal track. The special feature of this track is the covered current conductor in the roadbed with stud contacts at the centre of the track. The long current collectors between the wheels of the locomotives slide over these contacts.
Each track section consists of the roadbed, which looks very realistic with its rock ballast and strong ties, and the two rails which are electrically connected to the roadbed. At the opposite ends of each rail is a joiner.
The current-carrying rail has spring contact tongues at both ends, which lock together when the track sections are joined, the joiners mentioned sliding over the outer rails at the same time. The result is the reliable electrical contact which is a mark of the Märklin system and at the same time the track sections are held firmly together mechanically.
The screws needed for mounting the track when sound deadening strips 7171 (see page 52) are used are included. When sound deadening strips are not used, the screws 7299 (see page 50) are recommended.

Fig. 1

This drawing shows the three Märklin M-track circles with their radii, track intervals and angles and also the number of track sections required for a half circle.

1 circle 5200 = 12 track sections
1 circle 5100 = 12 track sections
1 circle 5120 = 8 track sections

Fig. 1

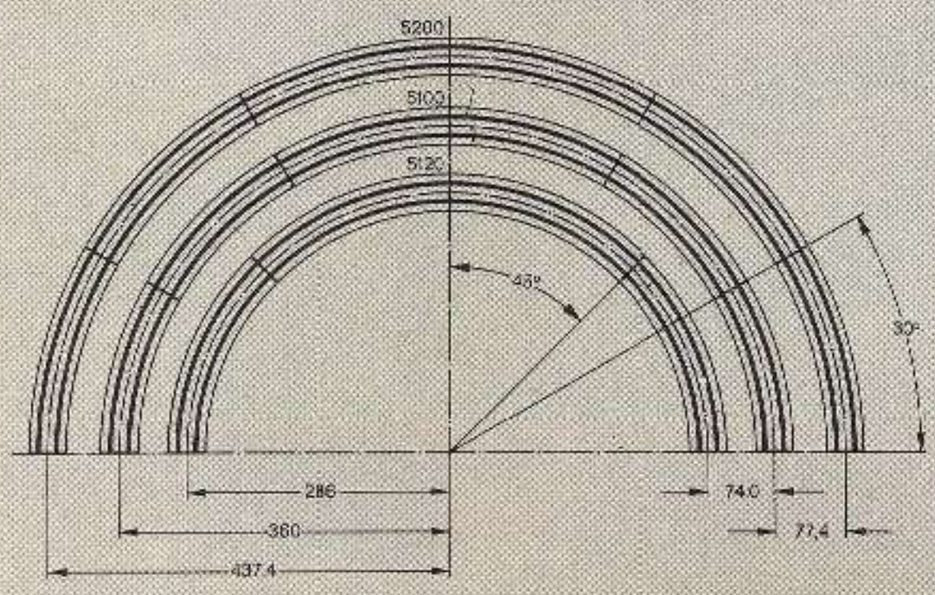
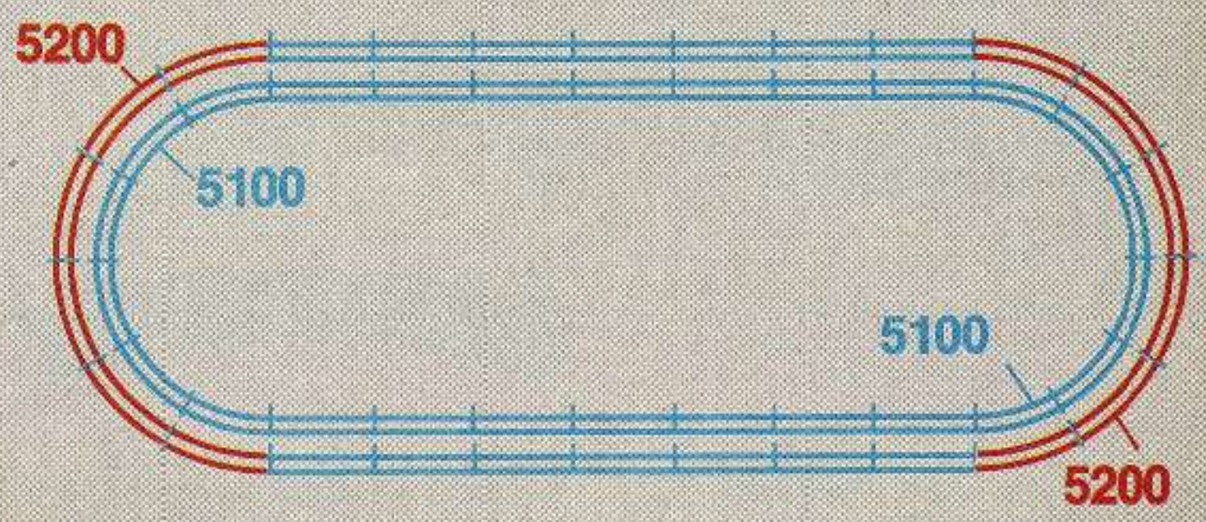


Fig. 2

Track sections of the 5200 series are intended for extending an existing layout made up of 5100 series track. This enables concentric circles to be laid with a track center spacing of 3" (measured from contact stud to contact stud) and an operating clearance between the tracks of 1 1/2". The 5202 or 5140 turnouts are used to cross from the inner to the outer loop. The construction of the 5200 track sections is similar to that of the 5100 series (all metal with contact studs).

Fig. 2



How the different Märklin M-track circles compare

Fig. 3

One section of track can be insulated from another by means of the insulator piece 5022 (see page 54), or a piece of ordinary cardboard. **No special insulating track section is needed,** *so space is saved.*

Fig. 3

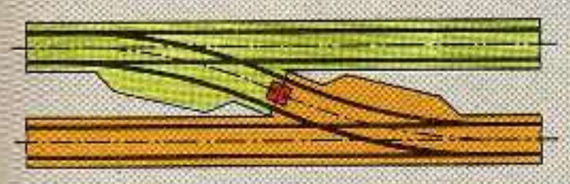


Fig. 4

A special feature of the Märklin track is the **excellent current feeding qualities.** *When one of the rail joiners is bent, which can always happen on a model railroad, this has no effect because the second joiner will still join the track sections and make electrical contact perfectly satisfactorily. No soldered joints are needed.*

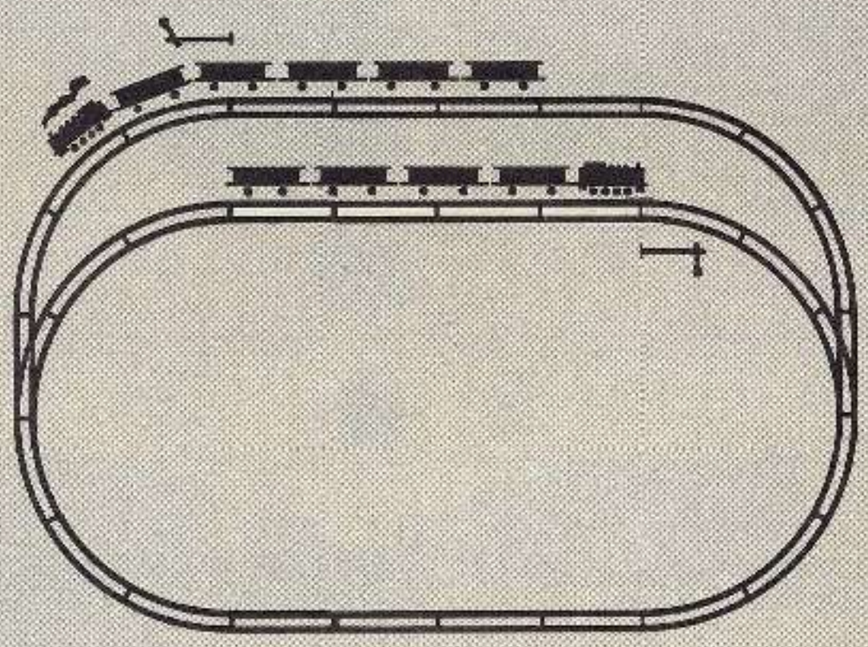
Fig. 4



Fig. 5

On track layouts with sidings or branches off the main line, locomotives or trains can run in the same direction or in opposite directions. No special reversing arrangement is necessary, nor do the terminals on the transformer have to be switched over. This is one of the advantages of the Märklin system.

Fig. 5



MärklinHO

M-track for a trouble-free layout

Curved track sections 5100 for standard circle

Twelve 5100 track sections for a circle with outside diameter of 30".

5100
Full length = 30°



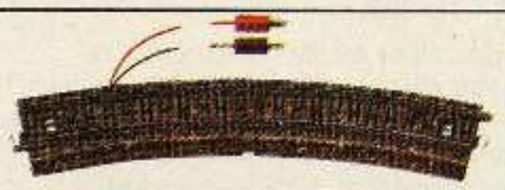
5101
Half length = 15°



5102
Quarter length = 7° 30'



5103
Feeder track section, curved · Full length = 30° · 2 connecting leads



5147
Switching track section, curved · Half length = 15°



Switching track sections

The switching track sections (5146, 5147, 5213) are only half as long as the contact track sections and so save space. Moreover they can trigger one function in each direction of travel, i. e. two in all; they can do this at the same time on one or more magnetically operated items. The switching track sections are operated from the current pickups on the locomotives.

5120
Track with small radius for branch lines and industrial sidings



Curved track section · Full length = 45° · 8 track sections form a circle with an outside diameter of 24" · Even the big Märklin locomotives and coaches can negotiate this curve · Only if there is a direct reverse curve, at least one full length straight track section must be interposed for a locomotive like the 3047 or an express coach · The 5120 track sections can be used in conjunction with all types of turnouts and track sections

Straight track sections 5100

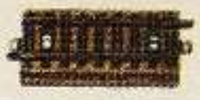
5106
Full length = 7"



5107
Half length = $3^1/_2$"



5129
Make-up section · Length $2^3/_4$"



5108
Quarter length = $1^3/_4$"



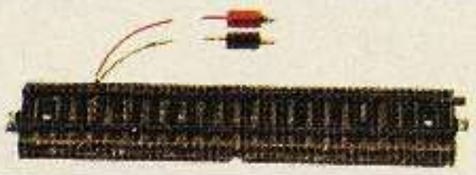
5109
$^3/_{16}$ length = $1^5/_{16}$"



5110
$^1/_8$ length = $^7/_8$"



5111
Feeder track section, straight · Full length = 7" · 2 connecting leads



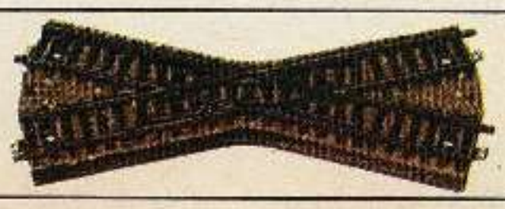
5146
Switching track section, straight · Half length = $3^1/_2$"



5105
Contact track section, straight · Full length = 7"



5114
Crossing · Length $7^5/_8$" – 30° · The crossing center conductors are electrically insulated from one another



Curved track sections 5200 for large parallel curve

Twelve 5200 track sections for a circle with outside diameter of 36".

5200
Full length = 30°



5206
Length = 24° 17' · Matches the curve of the turnout 5202



5201
Half length = 15°



5205
Length = 5° 43' · This section used with 5206 is equal to 5200



5213
Switching track section, curved · For parallel curve · Half length = 15° · Construction and operation as for 5146/5147



5208
Make-up section, straight · Length $^5/_{16}$"



5210
Make-up section, straight · Length $^5/_8$"



5211
Crossing · Crossing angle $48^1/_2$° · Length $3^7/_8$" · The crossing center conductors are electrically insulated from one another



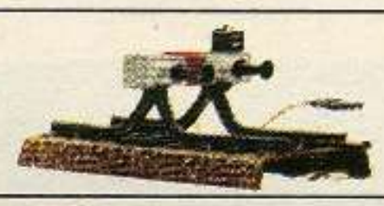
7299
Flush wood screws for mounting metal track · In packets of 200



7190
Buffer stop · Die-cast zinc buffer beam · $2^3/_4$" long



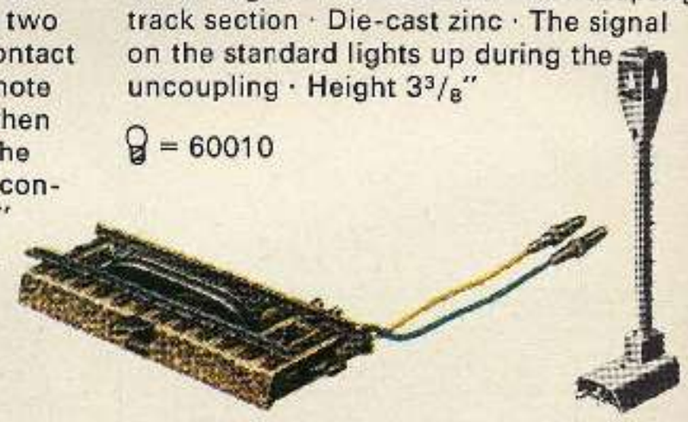
7191
Buffer stop with working signal light · Die-cast zinc buffer beam · $2^3/_4$" long
= 60000

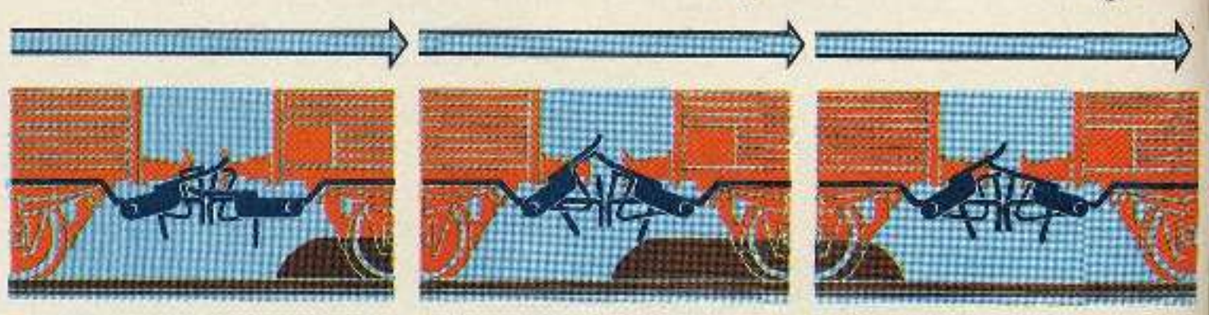


5112
5112 Uncoupling track section for releasing automatic couplings · The two ramps on the right and left of the contact studs are raised magnetically by remote control and release the couplings when the button on the control panel or the manual switch lever is operated · 2 connecting leads · Length of track $3^1/_2$"

5113
5113 Light standard for the uncoupling track section · Die-cast zinc · The signal on the standard lights up during the uncoupling · Height $3^3/_8$"

= 60010





The coupling is released by raising the ramp.
The RELEX coupling is designed so that it remains "open" after uncoupling, which means that the coaches or cars can be pushed, or dropped off at any required point, without the couplings closing again.

Rail operations only become realistic when it is no longer necessary to uncouple locomotives from trains, or cars from one another, by hand. This can be achieved by the use of the uncoupling track section with its light standard whose signal lights up when the uncoupler is operated. When the coupling between locomotive and coach or between coach and coach is near the uncoupler light, pressing the control panel button will open the coupling and the detached coach or section of train remains standing. Coaches with the advance uncoupler (RELEX) can then be pushed back again by the locomotive under remote control without the coupling closing again.

Märklin M-turnouts and how to use them

Märklin M-turnouts and how to use them

When laying out a siding parallel to the main track using the 5117 and 5121 turnouts (Fig. 1), form the reverse curve by using curved track 5100 (distance between track centers 3$^{7}/_{8}$"). With the 5202 (Fig. 2) or 5214 (Fig. 3) turnouts on the other hand, use the track section 5206 to form the reverse curve. The turnout, which is shorter by $^{1}/_{5}$ in the curve, gives a reduced distance of 3" between track centers.

The electromagnetic turnouts 5117, 5140 and 5202 and the double switch slips 5128 and 5207 are operated by double solenoids. When crossed in the reverse direction, the points of all the turnouts are opened up by the wheels of the rolling stock. The turnouts return automatically to their initial setting. The working signal lights show the setting of the turnout. Further turnouts can be joined directly on to either end of the turnout section.

At least four solenoid-operated turnouts can be connected to one control panel (see page 63).

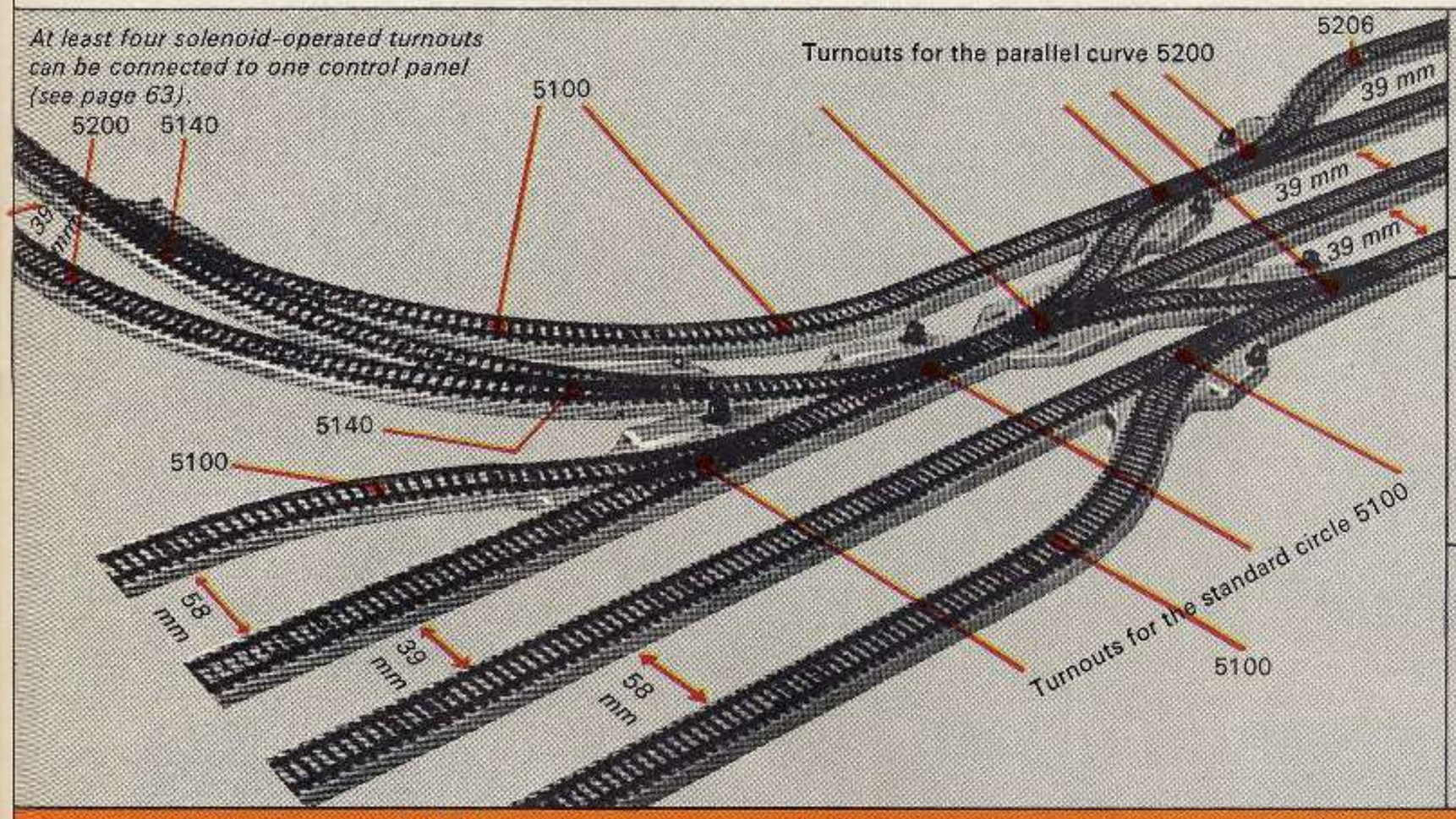


Fig. 1

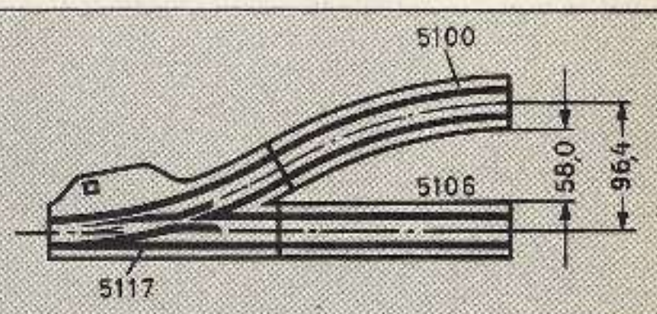


Fig. 2

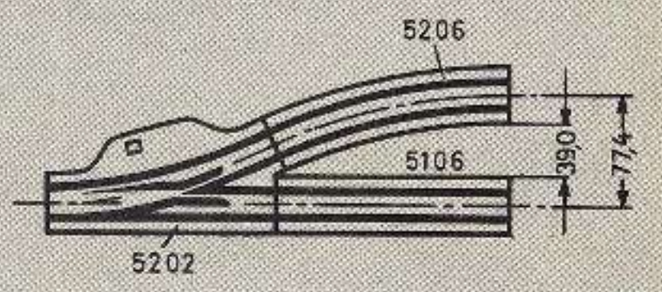
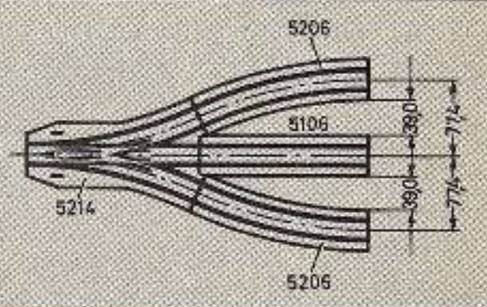


Fig. 3



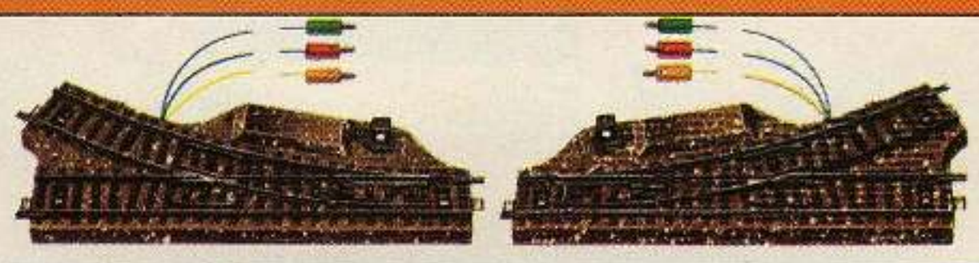
Märklin M-turnouts 5100 with spring points

operated by double solenoids for remote control

5117

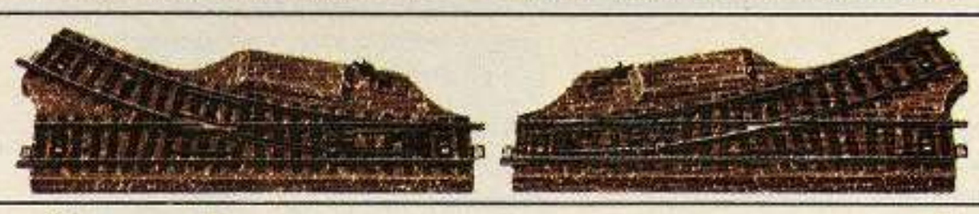
5117 Pair of solenoid-operated turnouts · Consisting of one right-hand and one left-hand turnout, each operated by a double solenoid · Working signal lights · The track lengths are the same as for track sections 5100 and 5106

= 60000



5121

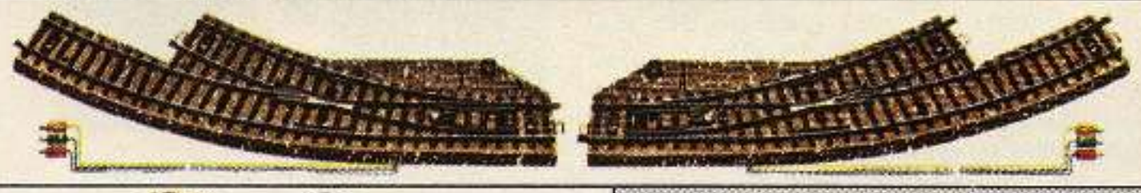
5121 Pair of manually operated turnouts · Track dimensions as for 5117



5140

5140 Pair of solenoid-operated curved turnouts · Consisting of one right-hand and one left-hand inside-curve turnout, each operated by double solenoid · Working signal lights · Length and curvature of the branch tracks as for track section 5100 · Length of the outer curve 10$^{1}/_{2}$"

= 60000



If the curved turnouts are included in the layout, the train when already in the curve can change from one track to the other. The narrow interval between the parallel curves of the track (3") is maintained and space is saved for a longer overtaking section (Fig. 4).

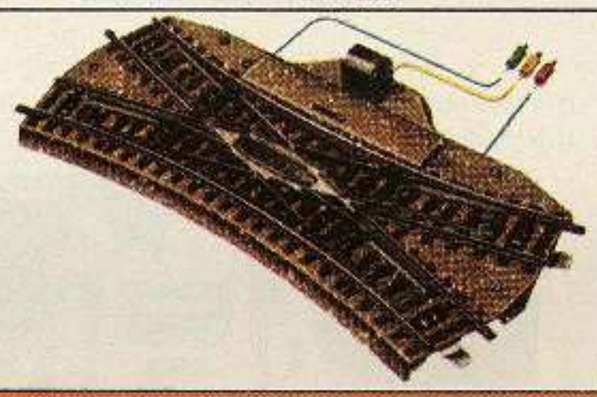
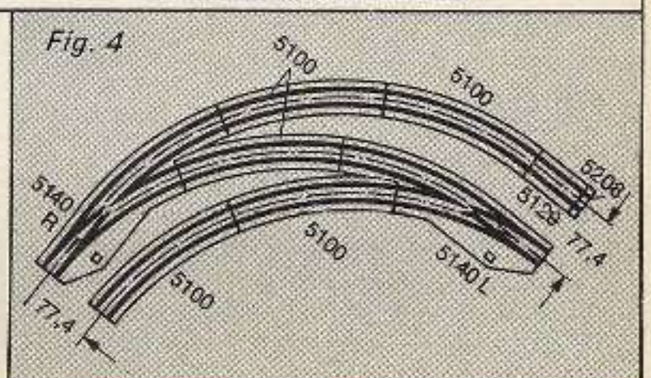


Fig. 4



5128

5128 Double slip switch · 30° crossing angle · Operated by double solenoid · Working electric signal lights which change to show the setting of the points (crossing or curve) · Manual switching lever to permit setting by hand · Length of straight section 7$^{9}/_{16}$" · The curvature is the same as for track section 5100

= 60000

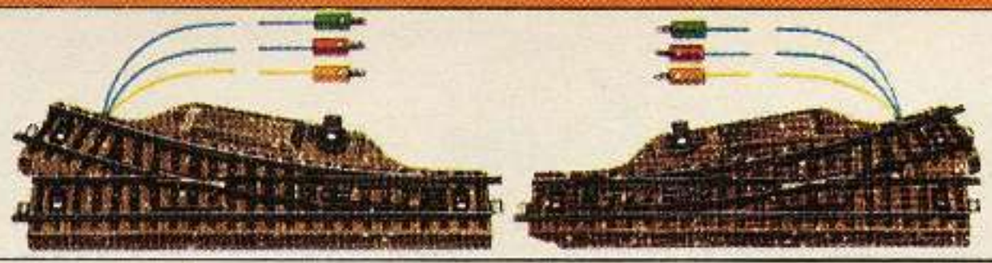
Märklin M-turnouts 5200 with sprung points

operated by double solenoids for remote control

5202

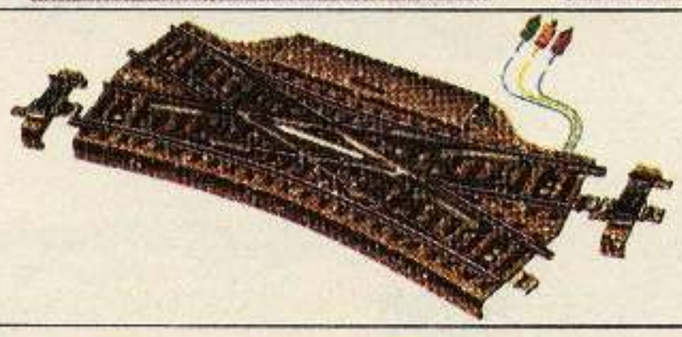
5202 Pair of solenoid-operated turnouts · Consisting of one right-hand and one left-hand turnout, each operated by double solenoid · Working signal lights · The track lengths are as for track sections 5206 and 5106

= 60000



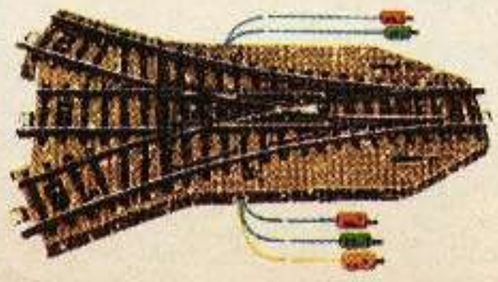
5207

5207 Double slip switch · Enables the track spacing of 3" to be maintained, operated by double solenoid · Manual switch lever on the drive case · Length of straight section 7" · The curve is the same as for 5202 and 5206 · Two make-up sections 5208, each $^{5}/_{16}$" long, are included



5214

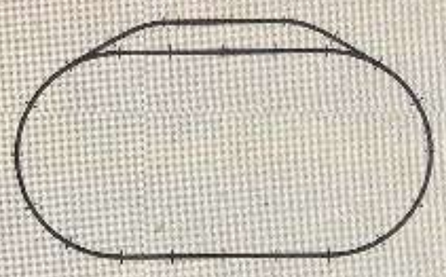
5214 Symmetrical three-way turnout operated by 2 double solenoids · Two hand levers for manual setting of the points · 5 connecting leads · Length of the straight track 7" · Radius of the branch tracks 18", the same as for the outer circle track · When used in conjunction with the track section 5206, the 3" track center spacing can be maintained on both sides (see Fig. 3 above)

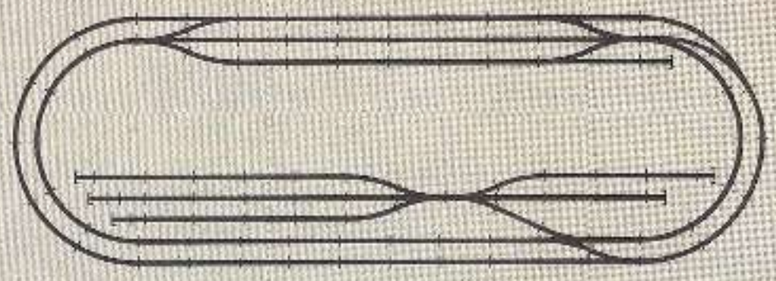


M-track for further extensions

Some simple HO gauge track plans for M-tracks

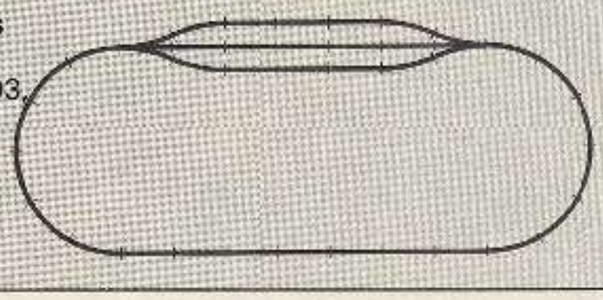
Oval with passing track
Size: 58¼"×33½"
Track sections: 11×5100, 1×5103, 10×5106, 1×5108, 1 pair of turnouts 5117 or 5121

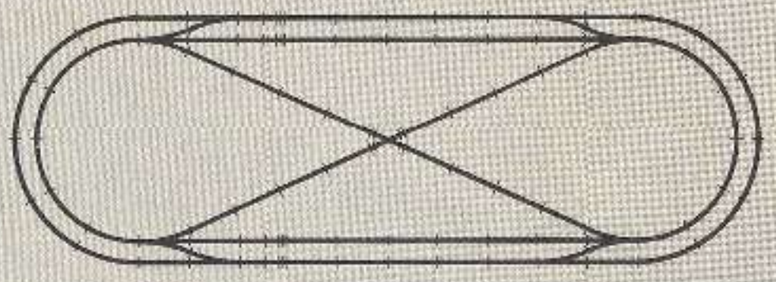




Double-track oval with passing track and sidings
Size: 107"×36¼"
Track sections: 11×5100, 1×5103, 61×5106, 1×5107, 3×5108, 1×5111, 1×5140, 10×5200, 2×5202, 4×5206, 1×5207, 4×5214

Oval with two passing tracks
Size: 80¾"×33½"
Track sections: 11×5100, 1×5103, 18×5106, 4×5206, 2×5214

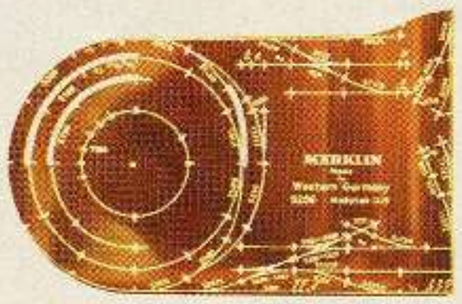




Double-track oval with double reversing loop
Size: 106¼"×36¼"
Track sections: 11×5100, 1×5103, 43×5106, 4×5107, 4×5108, 4×5110, 1×5111, 12×5200, 2×5202, 4×5208, 4×5210, 1×5211, 4×5214

0206

0206 Track planning template for M-track sections (series 5100/5200) · On the template the track sections, turnouts, crossings, etc. are cut out on a scale of 1:10 and they can easily be transferred on to paper with a sharp pencil



7171

7171 Sound deadening strips packed in 50's with 50 flush wood screws for quiet train operation · If the tracks are mounted on a plywood board, the trains as they move, naturally make some, but not excessive, noise to the rhythm of the wheels · If it is desired to dampen this noise down to about half, it is recommended that the tracks, turnouts and crossings should be laid on sound deadening strips · This makes no difference in the mounting of the catenary system



0321

Märklin track layouts, H0 gauge, for M-tracks 5100 and 5200 · Simple track plans · 24 pages



0351

Märklin track layouts, H0 gauge, for M-tracks 5100 and 5200 · An outstanding guide · 86 pages

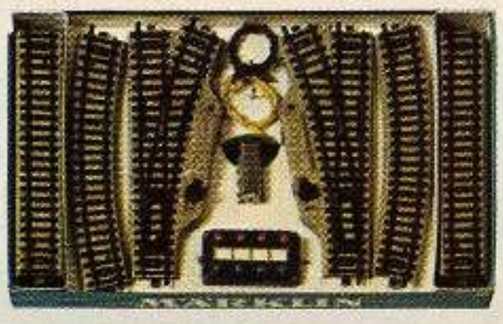
For an exact description of these booklets, see page 68



M-track extension packs

5090

5090 Track extension pack for extending a track oval · Contents: 10 straight track sections 5106, 1 pair of solenoid-operated turnouts 5202, 2 curved track sections 5206, 1 control panel 7072, 1 distributor panel 7209, 2 wood screws for fixing the control panel, 2 cables and instructions for installing the turnouts and extending the layout



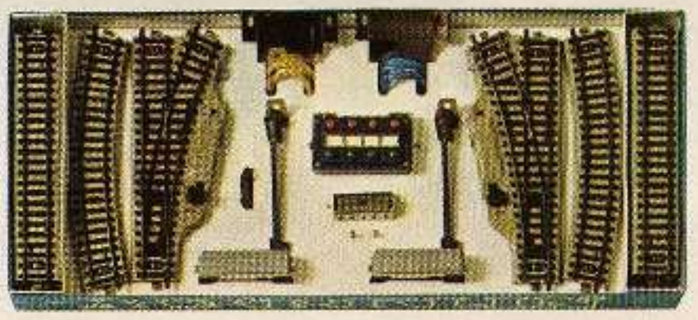
5091

5091 Track extension pack for extending a single oval track · Contents: 2 curved track sections 5100, 10 straight track sections 5106, 1 pair of turnouts 5121 for manual operation and instructions for carrying out the extension to the layout



5092

5092 Track extension pack for extending a single oval track · Contents: 13 straight track sections 5106, 1 pair of solenoid-operated turnouts 5202, 2 curved track sections 5206, **2 home signals 7039**, 1 control panel 7072, 1 distributor panel 7209 and 5 cables, together with 2 wood screws for fixing the control panel · With instructions for installing the turnouts and signals and extending the layout

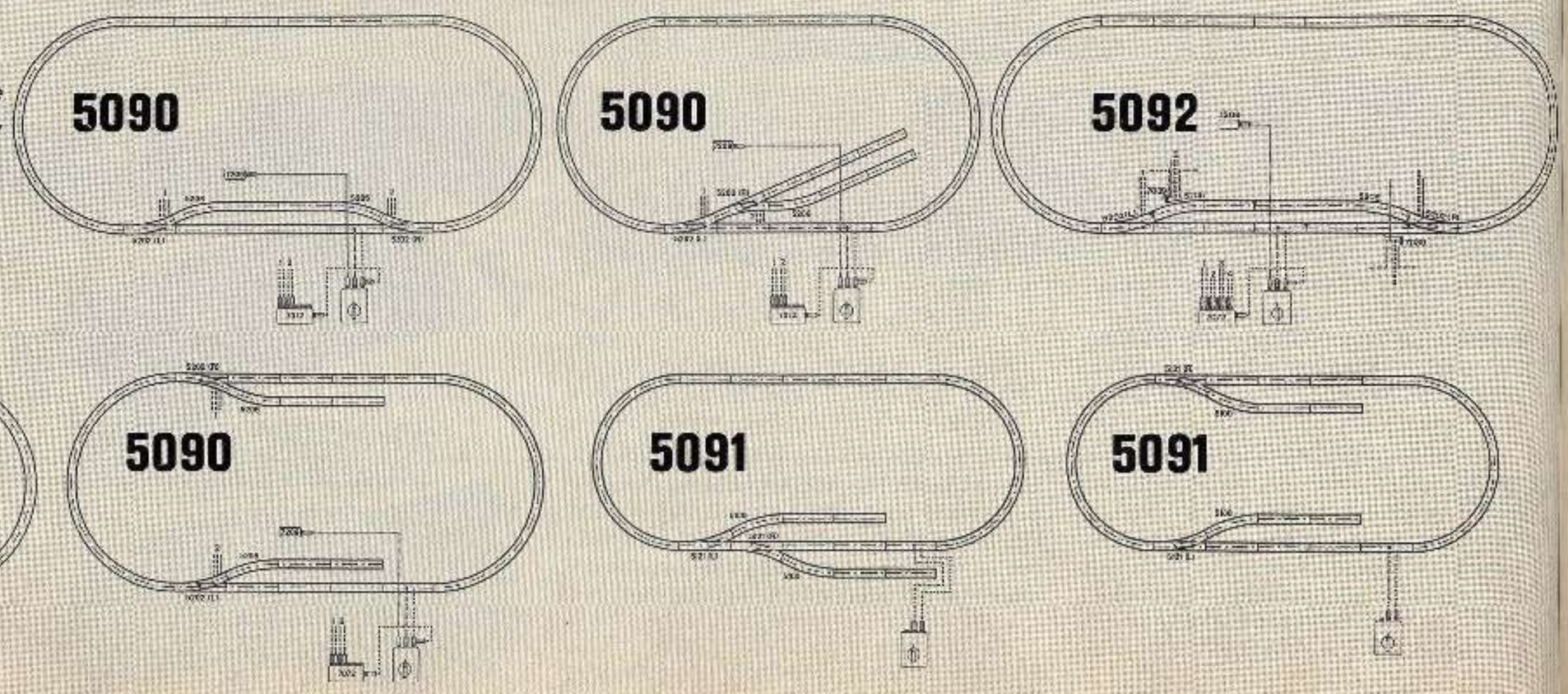


The pack 5092 contains **signals** *which make the operation of the layout particularly interesting.*

The track layouts in gift sets 2900—2921, 2931—2965, 3122, 3200 and 3203 in particular, can be extended by using track extension sets 5090, 5091 and 5092.

Some examples

of how these track extension sets can be used to extend the gift sets 2900—2921, 2931—2965, 3122, 3200 and 3203.

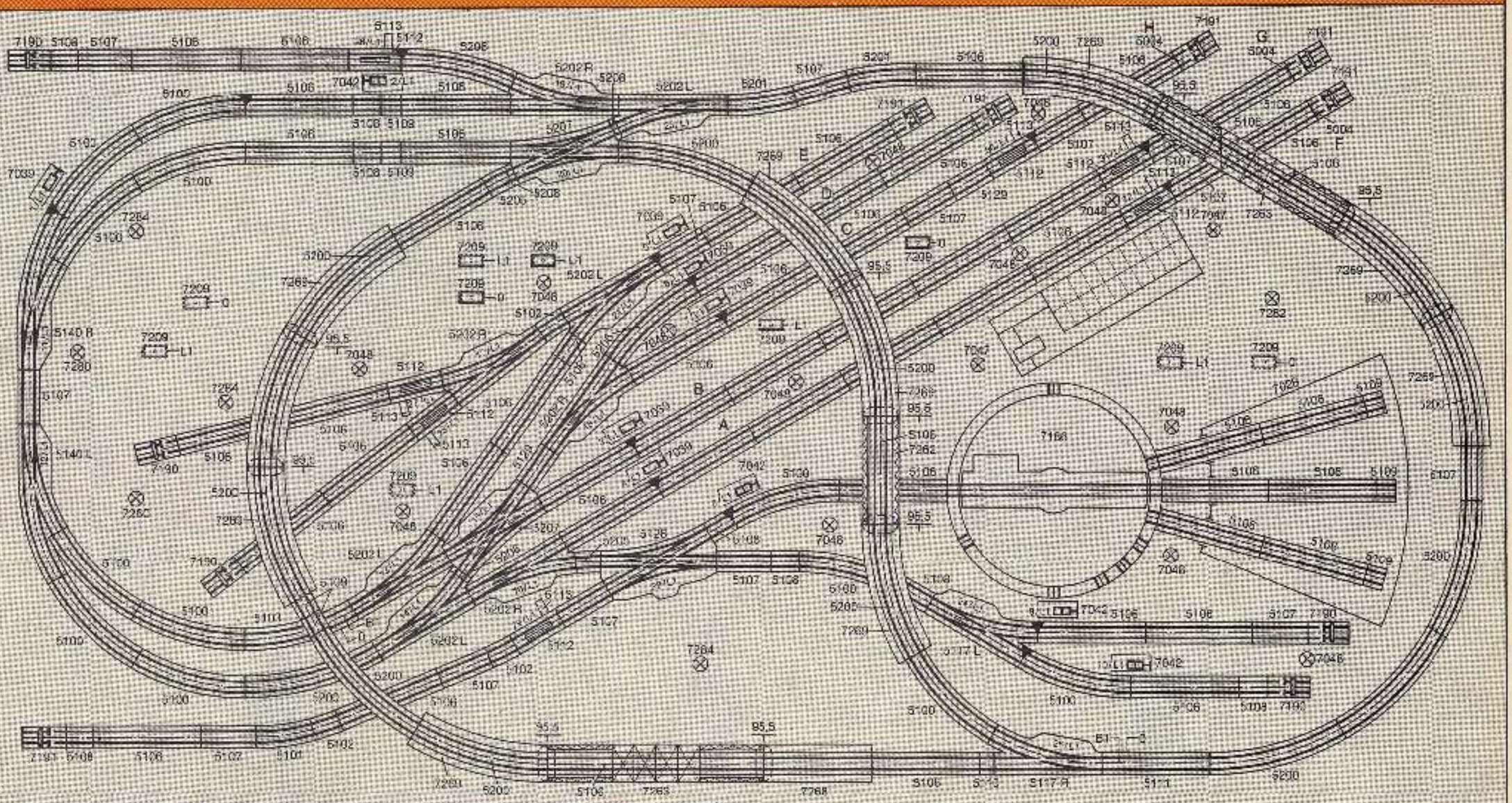


Märklin HO

M-track plan

Track plan for a Märklin HO gauge layout using M-tracks 98½" × 51"

Sections of this track plan are shown on pages 47, 56, 59 and 61

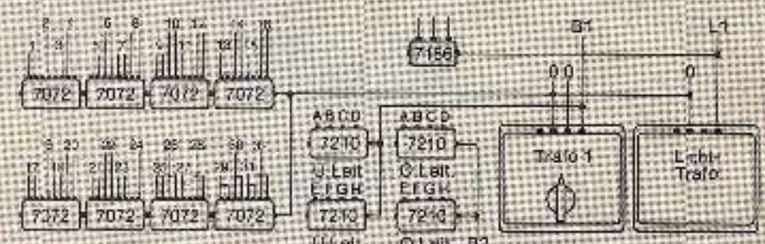


Parts list

For building this model railroad layout, the folowing items were used:

1 Transformer 30 VA
1 Lighting transformer 40 VA

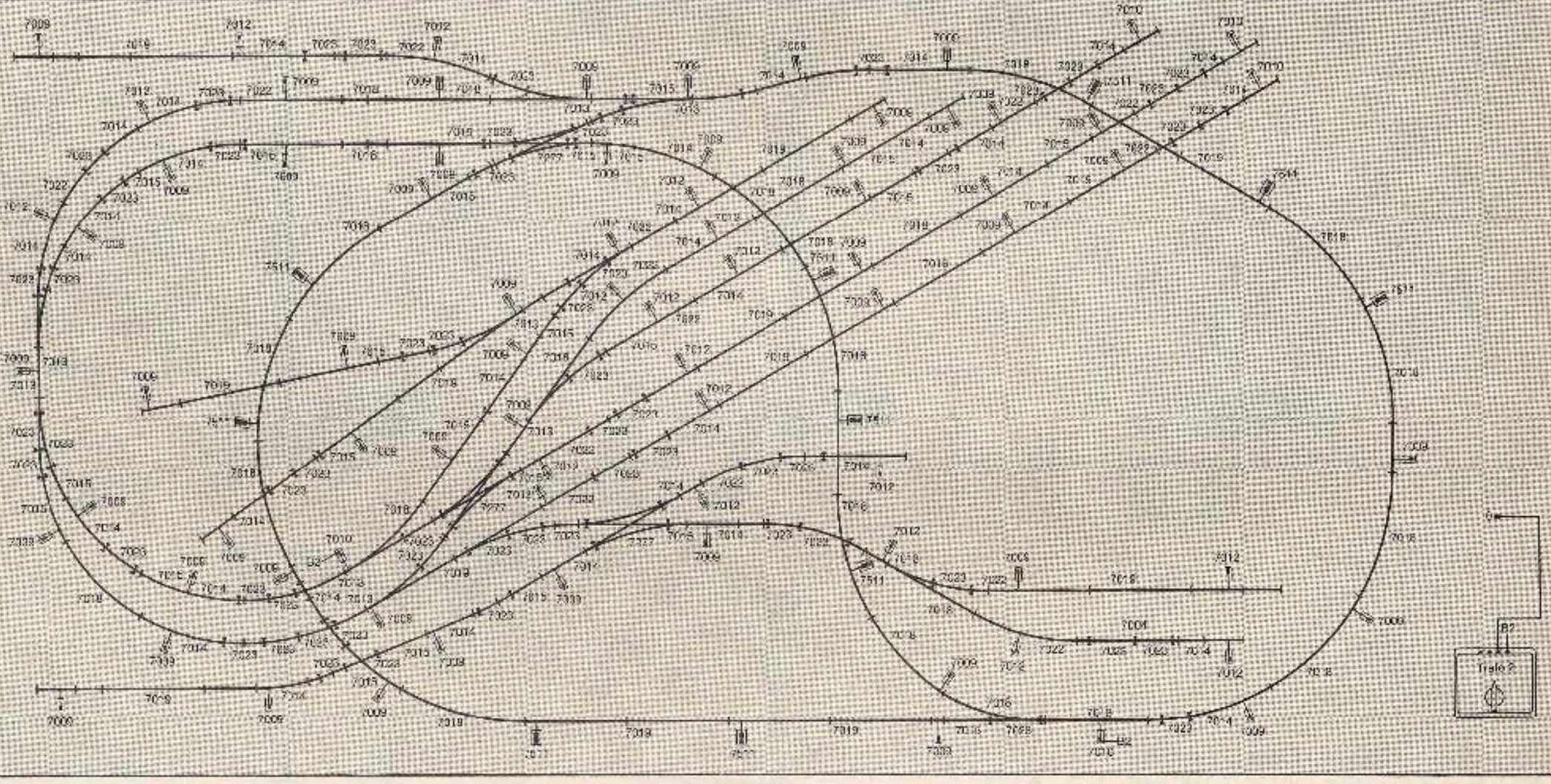
7 — 5109	16 — 5200	4 — 7042	4 — 7210	1 — 7282	20 — 7112
1 — 5110	2 — 5201	2 — 7047	10 — 7250	3 — 7284	40 — 7113
1 — 5111	4 — 5202	13 — 7048	10 — 7251	15 — 7000	50 — 7115
7 — 5112	2 — 5205	8 — 7072	30 — 7253	1 — 7100	2 — 7117
7 — 5113	2 — 5206	5 — 7171	1 — 7262	6 — 7101	20 — 7131
3 — 5004	1 — 5103	1 — 5117	2 — 5207	1 — 7186	2 — 7263	2 — 7102	40 — 7132
12 — 5100	56 — 5106	1 — 5128		5 — 7190	1 — 7268	2 — 7103	49 — 7133
1 — 5101	14 — 5107	2 — 5129	1 — 7028	6 — 7191	10 — 7269	3 — 7105	60 — 7135
3 — 5102	9 — 5108	1 — 5140	6 — 7039	10 — 7209	2 — 7280	15 — 7111	2 — 7137



Catenary system

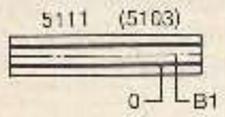
1 Transformer 30 VA

12 —	7004
7 —	7005
52 —	7009
5 —	7010
6 —	7012
10 —	7013
34 —	7014
25 —	7015
25 —	7018
12 —	7019
58 —	7023
3 —	7277
10 —	7511
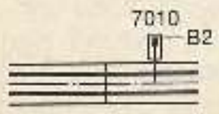


Symbol code used on track plan

0 B1



Locomotive current feeder track for point contact conductor. Red and brown cables to the sockets of the same color on transformer 1.

B2



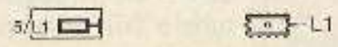
Locomotive current feeder mast to the catenary system. Red cable to the red socket on transformer 2. Of there is not already a ground lead, a brown cable, for operation via the track point contacts, then the feeder tracks must be connected by the brown cable to the brown socket on the transformer or to a distributor panel connected to it.

3



Blue cable with green plug in green socket; blue cable with red plug in the red socket of the pair of sockets, e. g. those marked "3", on the control panel (7072).

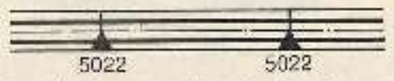
L1



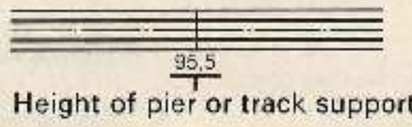
Yellow cable to the yellow lighting current socket L on transformer 1, or the terminal strip L1 connected to it.



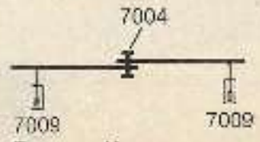
Circuit isolation with isolating section 5022



Isolating section for halting train in conjunction with signals. The length of the section must be suited to the speed and stopping distance of the trains.



Height of pier or track support in mm



Power lines connected by means of the fixing fittings 7004 (bolt, nut and washer).

Signals for M-tracks

The Märklin range of signals for M-tracks

There should be a few, suitably arranged, signals even on a small railway layout, and not just because the play of red, green and amber lights looks attractive. The home and siding signals regulate the traffic, in that by setting them at red or green by remote control, the starting and stopping of the trains can be controlled at the same time.
And that is not all: switching or contact track sections have only to be included and connected to the signals and then one train controls the other automatically by means of the signals, without it being possible for an "accident" to happen (block operation). In this way, while some trains are travelling as programmed, one is free to see to other things e. g. shunting.
The installation of the signals is simple. Their base plates are clamped either to the right or left under straight or curved metal tracks and the leads are connected as shown in the instructions which accompany them.
The signals are connected electrically to the control panels (7072, see page 63) in such a way that it can be seen from the position of the switch buttons whether the signals are at "stop" or "go". Anyone who wants his layout to be realistic, should install warning signals as well as the home signals described. They are mounted in the same way as the home signals to which they are simply connected by a lead. With a control panel 7072, it is possible to operate, e. g. 4 home signals 7039 with warning signals, or also groups of signals and turnouts.
The home and warning signals have rail current switches by means of which the current in the contact studs and in the catenary can be altered. The silver contacts in the switches enable them to cope with heavy loads. The connecting wires have color-coded plugs with side sockets allowing extra plugs to be inserted. In addition, sockets are incorporated into the signal bases for connection to the catenary and ground. Lighting is provided by small bulbs. Track insulators, a base plate and precise installation instructions are included in each pack.

Warning signals without train control

7036

7036 Warning signal with movable disk · Signal lights change from amber/amber to green/green · Double solenoid · Used with home signal 7039 · Width $1^1/_8$" · Length $2^5/_8$" · Height $2^7/_8$"

= 60000



7037

7037 Warning signal with extra movable arm · Disk fixed · Signal lights change from amber/amber to amber/amber/green · Double solenoid · Used with home signal 7040 · Width $1^1/_8$" · Length $2^5/_8$" · Height $2^7/_8$"

= 60000



7038

7038 Warning signal with movable arm and movable disk · Signal lights change either as in 7036 or 7037 · 2 double solenoids · Used mostly with home signal 7041 · Width $1^1/_8$" · Length $2^5/_8$" · Height $2^7/_8$"

= 60000



7187

7187 Color light warning signal · Used only in conjunction with home light signal 7188 · Signal lights change from green/green to amber/amber using 4 bulbs · Width $^5/_8$" · Length $^7/_{16}$" · Height $2^3/_8$"

= 60202 green
= 60204 amber



Signals with train control for catenary and rail conductors

7039

7039 Home signal with one semaphore arm · Signal light danger from red to green · Double solenoid · Width $1^1/_8$" · Length $2^3/_4$" · Height 5"

= 60000



7040

7040 Home signal with two coupled semaphore arms · Signal lights change from red to green/amber · Double solenoid · Width $1^1/_8$" · Length $2^3/_4$" · Height 5"

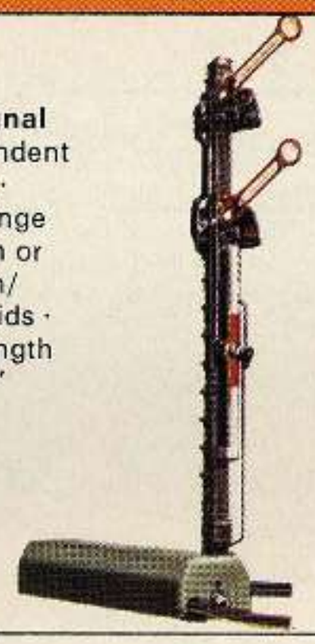
= 60000



7041

7041 Home signal with two independent semaphore arms · Signal lights change from red to green or from red to green/amber · 3 solenoids · Width $1^1/_8$" · Length $3^7/_8$" · Height 5"

= 60000



7188

7188 Color light home signal · Signal light changes from red to green · Lighting by 2 bulbs · Additional manual switching lever · Pair of sockets for connecting to the warning signal 7187 · Width $1^1/_8$" · Length $2^3/_4$" · Height $3^1/_2$"

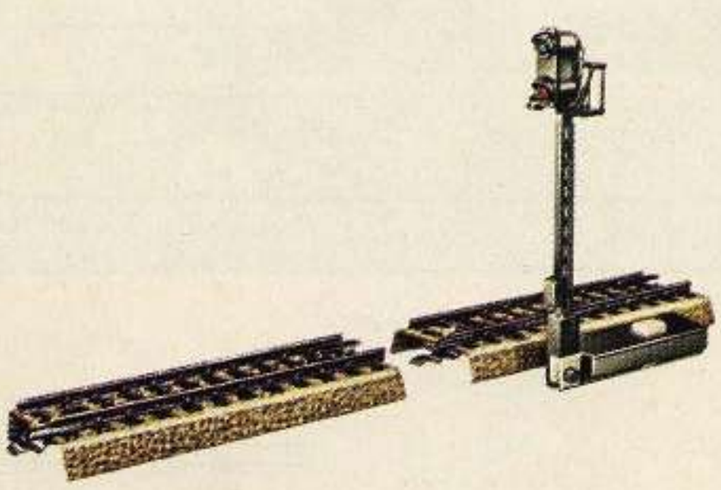
= 60001 red
= 60002 green



7339

7339 Color light home signal · Signal light changes from red to green by manual operation and at the same time controls the current to the section of metal track connected to the signal · Additional track section $3^1/_2$" long with interrupted central conductor · Width $2^1/_4$" · Length $3^1/_2$" · Height $3^1/_2$"

= 60001 red
= 60002 green



7042

7042 Yard and siding signal · Mast with movable front and rear disks · Double solenoid · Width $1^1/_8$" · Length $2^3/_4$" · Height $2^3/_4$"

= 60000



7045



7045 Universal remote control switch · It can be given various functions which it then carries out automatically and reliably, e. g. causing a moving train to switch station lighting on and off, overriding the control by signal for trains travelling in the opposite direction, and many more · It is all fully described in the installation instructions and our signal manual · The universal remote control switch is controlled from the control panel or by switching or contact track sections · Double solenoid · Width $1^1/_8$" · Length $2^3/_4$" · Height $^9/_{10}$"

0341

Märklin signal Manual for M-tracks ·
For description, see page 68



5004

5004 Connecting cable for center track conductor · Length 30"



5015

5015 Insulation marker for marking insulation joints

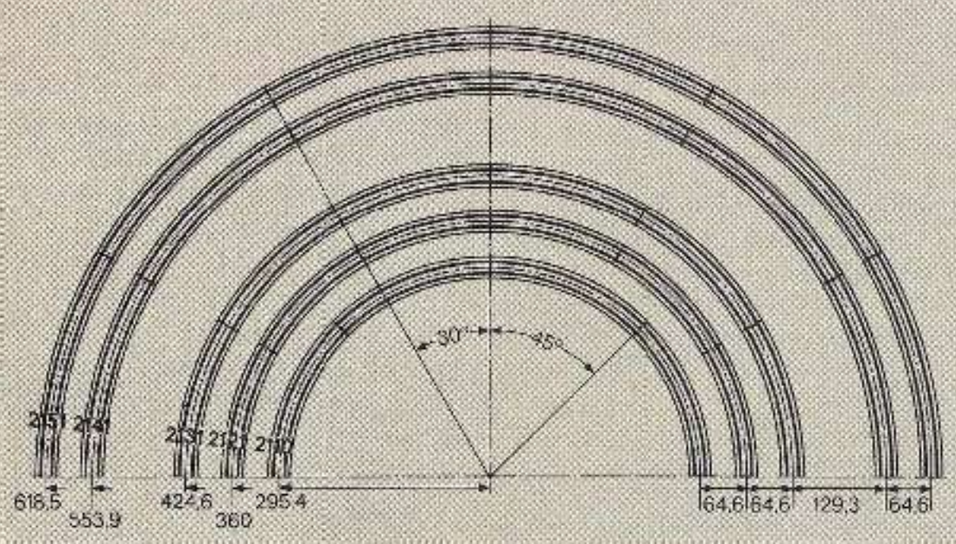


5022

5022 Center track conductor insulation for insulating 5 joints



K-tracks for the enthusiast



Märklin K-tracks 2100 (K = plastic)

The Märklin K-track, series 2100, uses the same stud contact system, the advantages of which were described on page 49. With these track sections the two rails are laid on plastic strip with ties. The contact studs project through from underneath the ties and ensure very reliable current pickup. The rails are connected by rail joiners, sprung connectors for the center conductor and snap couplings for the plastic tie strips. Flush wood screws 7599 (see page 56) are recommended for fastening the K-tracks to the base.

The five Märklin K-track circles:

1 industrial circle 2110 = 8 track sections
1 standard circle I 2121 = 12 track sections
1 standard circle II 2131 = 12 track sections
1 large circle I 2141 = 12 track sections
1 large circle II 2151 = 12 track sections

Straight track sections

2100
Full length = 7"

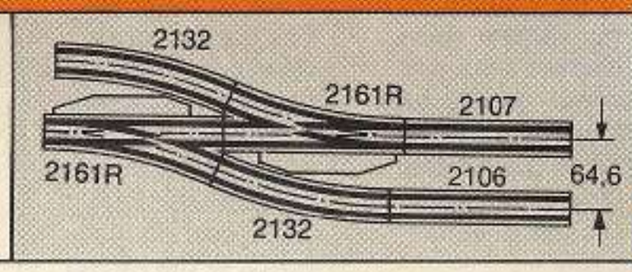
2101
Half length = $3^1/_2$"

2102
Quarter length = $1^3/_4$"

2104
$^1/_8$ length = $^7/_8$"

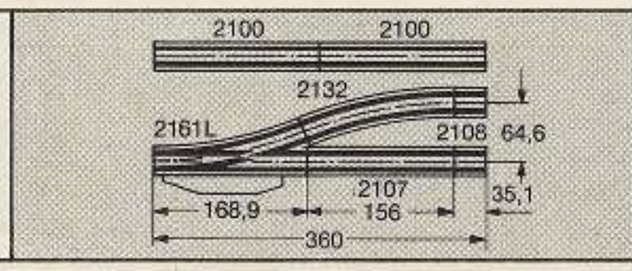
Straight make-up sections

2106
Length $6^3/_4$"



2107
Length 6"

2108
Length $1^1/_2$"



2158 NEW
Crossing · Crossing angle 45° · Length of straight sections $3^1/_2$"

2159
Crossing · Crossing angle 22° 30' · Length of straight sections $6^5/_8$"

2190
Feeder track section, straight · Full length = 7" · 2 cable terminals marked "0" and "B" for connecting the power cable

2191
Adapter track section, straight · Full length = 7" · Enables track sections of the 5100 and 5200 series to be connected to the 2100 series

2197
Uncoupler track section · Half length = $3^1/_2$" · For releasing automatic couplings · The uncoupling ramp between the rails can be operated either manually by the hand switch lever, or from the control panel by means of the solenoids incorporated

2199
Switching track section, straight · Half length = $3^1/_2$"

Curved track sections

Radius 12" Industrial circle

2110
Full length = 45°

Radius 15" Standard circle I

2121
Full length = 30°

2123
Half length = 15°

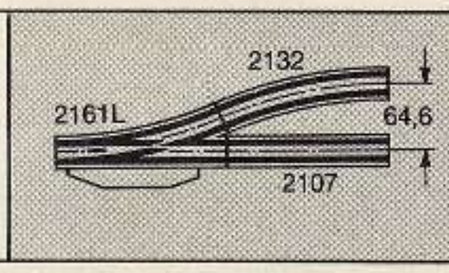
2124
Quarter length = 7° 30'

2129
Switching track section, curved · Half length = 15° · R 15"

Radius 17" Standard circle II

2131
Full length = 30°

2132
$^3/_4$ length = 22° 30'



2133
Half length = 15°

2134
Quarter length = 7° 30'

2135
$^1/_8$ length = 3° 45'

2139
The switching track sections (2129, 2139, 2199) make possible the automatic control of all solenoid-operated items by the passing train. They are actuated by the pick-up shoe in the locomotive and can trigger various switching operations in each direction independently of the other. The control pulses are picked up from two contacts electrically isolated from one another.

Switching track section, curved · Half length = 15° · R 17"

Radius $21^1/_2$" Large circle I

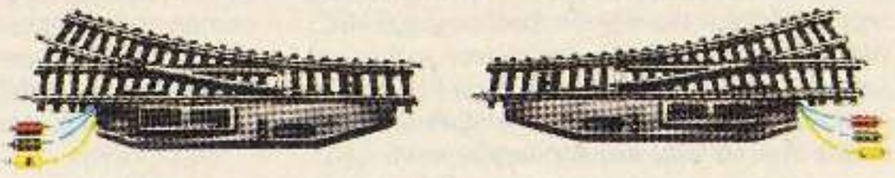
2141
Full length = 30°

Radius 24" Large circle II

2151
Full length = 30°

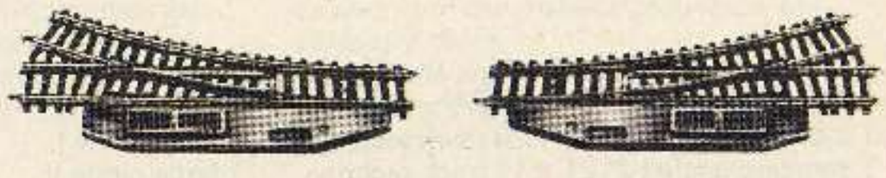
K-turnouts

Märklin K-turnouts 2100 with sprung points



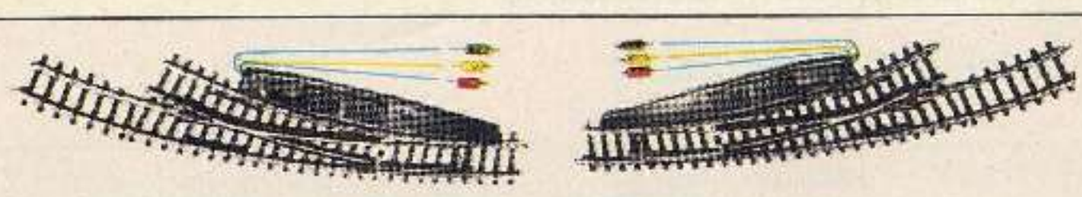
2161

2161 Pair of solenoid-operated turnouts · Consisting of one right-hand and one left-hand turnout, each operated by double solenoid · Working signal lights · Frog angle 22° 30' · Radius of branch track 17" · Length of straight section $6^{7}/_{8}$" · = 60000



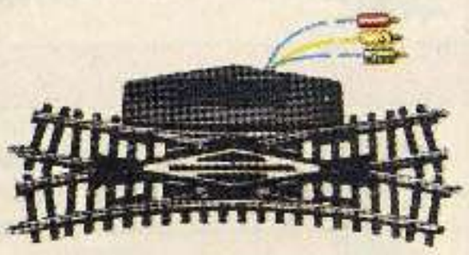
2164

2164 Pair of manually operated turnouts · Consisting of one right-hand and one left-hand turnout · Frog angle 22° 30' · Radius of branch track 17" · Length of straight track $6^{7}/_{8}$" · Operated by hand lever



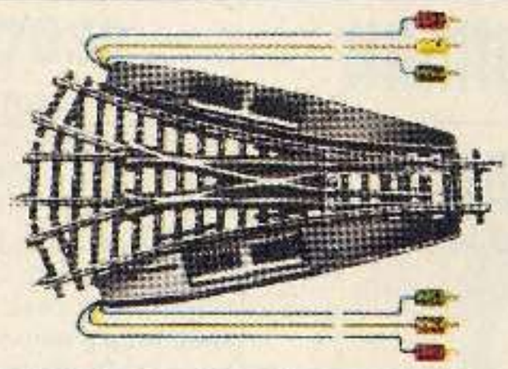
2167

2167 Pair of solenoid-operated curved turnouts · Consisting of one right-hand and one left-hand inside turnout operated by double solenoid · Length and curvature of the branch track as for track section 2121 · Length of the outside track section $9^{1}/_{2}$"



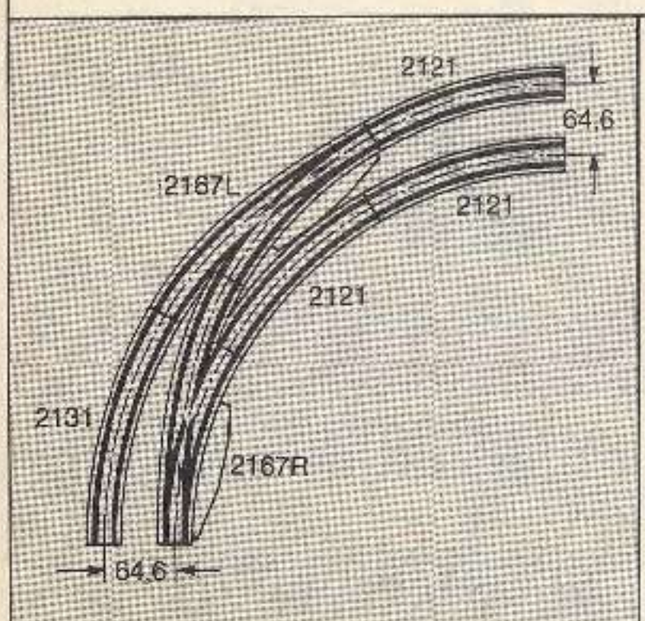
2160

2160 Double slip switch · Crossing angle 22° 30' · Radius 17" · Inside points operated by double solenoid actuated remotely · Additionally, hand lever for manual operation · Length of the straight track section $6^{5}/_{8}$"



2170

2170 Symmetrical three-way turnout operated by 2 double solenoids · Two hand levers for manual setting of the two pairs of points · Length of straight track section $6^{5}/_{8}$" · Frog angle 22° 30' · Radius of the branch tracks 17"



7391

7391 Buffer stop of riveted steel construction · Snaps into the rails · Length $1^{1}/_{2}$" · Wood fixing screw supplied



7500

7500 Ground connection with terminal for connecting the ground wire to track of series 2100



7504

7504 Connection for center conductor with terminal · At the rail joint, it is pushed on to the contact strip of the track section of series 2100



7522

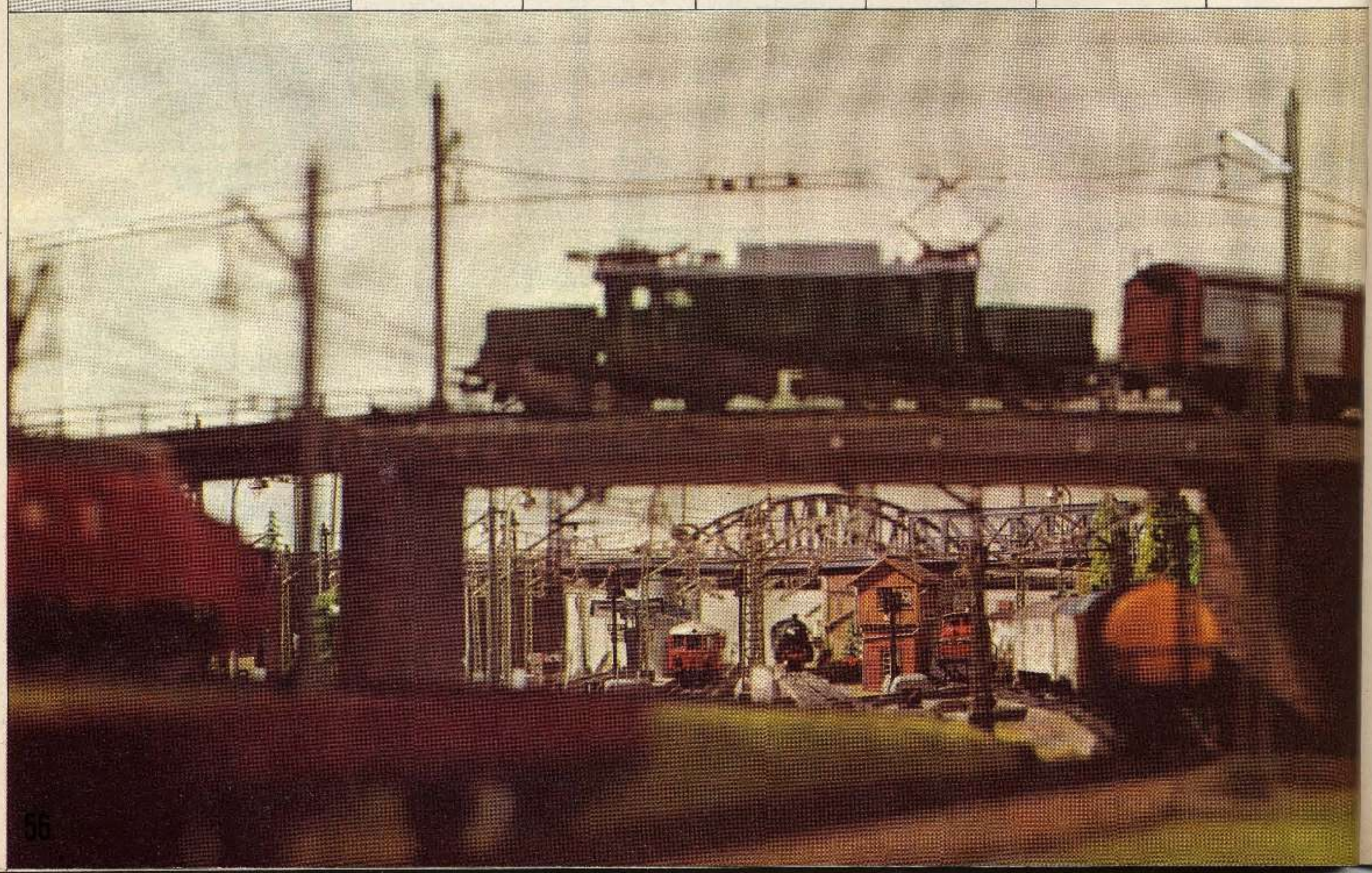
7522 Insulation for center conductor · Is inserted at the rail joint between the contact strips of the track sections of series 2100, to provide a break in the circuit



7599

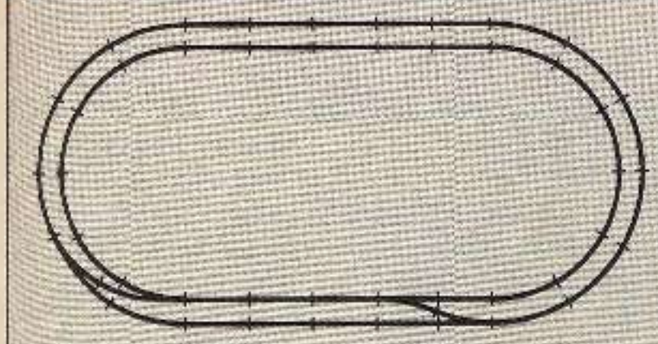
7599 Flush wood screws for fixing plastic tracks · Packed in 200's



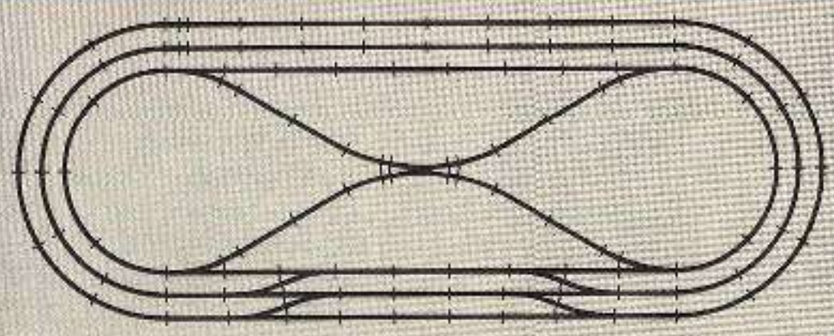


K-track for layout extensions

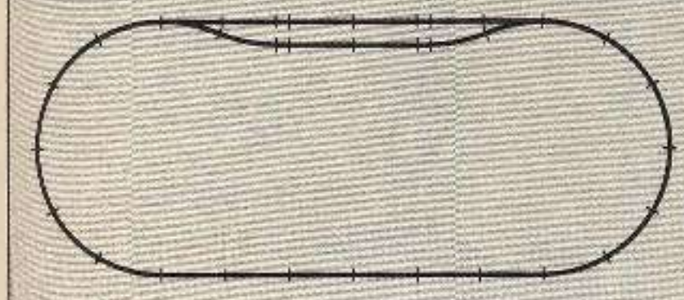
Some simple HO gauge track plans for K-tracks



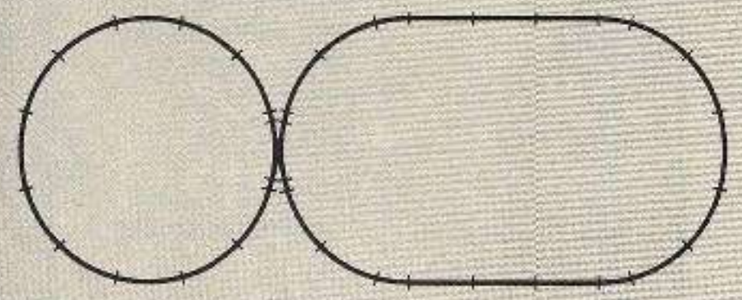
Double track oval
Size: 72"×37¾"
Track sections: 11×2100, 2×2106, 4×2107, 12×2121, 10×2131, 1×2190, 2 right-hand turnouts 2161 or 2164, 1 pair of turnouts 2167



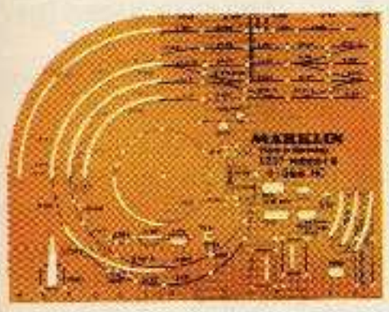
Three-track oval with double reverse loop
Size: 92"×37¾"
Track sections: 23×2100, 2×2102, 2×2104, 8×2106, 16×2107, 8×2110, 12×2121, 12×2131, 4×2133, 4×2134, 4×2135, 1×2190, 1 crossing 2159 or 2160, 6 pairs of turnouts 2161 or 2164



Oval with passing siding
Size: 74¾"×32"
Track sections: 9×2100, 2×2107, 4×2108, 12×2121, 2×2132, 1×2190, 1 pair of turnouts 2161 or 2164



Simple track layout with crossing
Size: 82½"×33"
Track sections: 5×2100, 18×2121, 4×2123, 2×2131, 4×2135, 1×2190, 1 crossing 2159 or 2160



0207

0207 Track planning template for Märklin K-tracks (series 2100), H0 gauge · Track sections, turnouts, crossings, etc, are cut out in the template to a scale of 1 : 10 and can easily be transferred on to paper with a sharp pencil



0371

Märklin track layouts, H0 gauge, for K-tracks, series 2100 · An outstanding guide · 52 pages



0379

Märklin track layouts, H0 gauge, for K-tracks, series 2100 · Simple track plans · 20 pages

These booklets are described on page 68

K-track extension pack

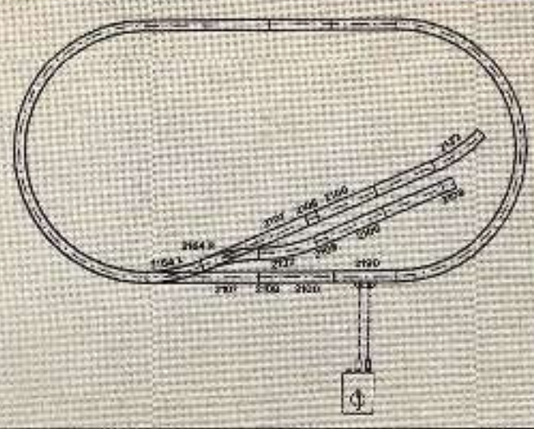


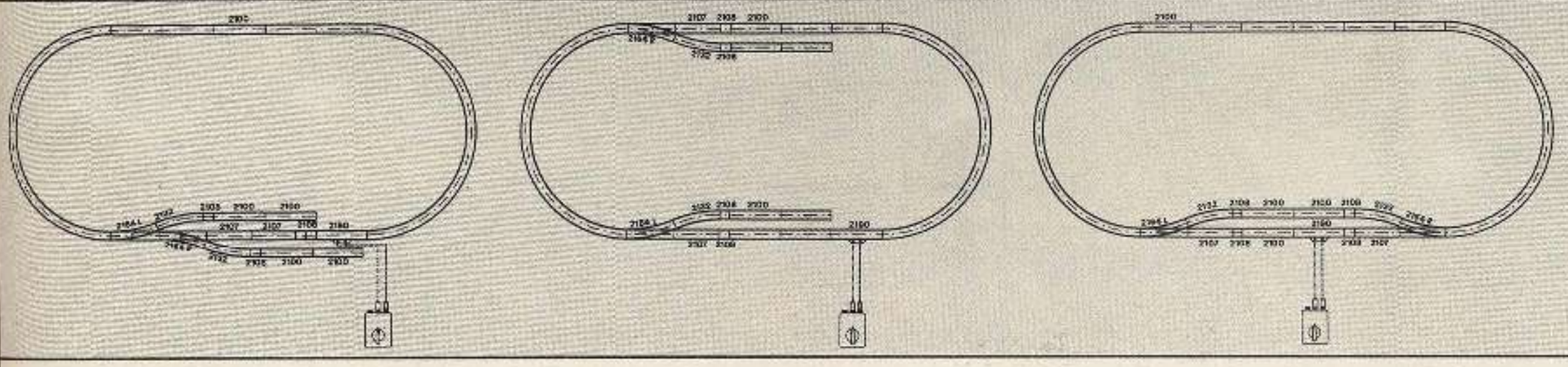
2091

2091 Track extension pack for extending an oval track · Contents: 8 straight track sections 2100, 2 straight track sections 2107, 4 straight make-up sections 2108, 2 curved track sections 2132, 1 pair of turnouts for manual operation 2164, instructions for extending the layout

The track extension pack 2091 can be used for extending the track layouts in gift sets 2800—2818 and 3183.

Some examples of the use of 2091





Signals for K + M-tracks

Märklin signals 7200 for K + M-tracks

The home light signals and siding signals of the series 7200 are fitted with switches for the traction current, for independent control of the catenary system and the center contacts on the track. The mast of these signals or the light-holder housing of the siding signal 7242, can be set up individually and separated from the signal operation. The bracket 7230 is required for fixing the masts. The ground connection for track sections of series 2100 is through the base plates 7531, 7532, 7533, or by wire, and for track sections of series 5100 and 5200 by wire.

7236

7236 Warning light signal · Signal lights change from amber/amber (caution) to green/green (proceed) using 4 bulbs · Only for connection to the home light signal 7239 · Used with fixing bracket 7230 · Width 5/8" · Length 1 1/8" · Height 2 1/2"

= 60202 green
= 60204 amber



7237

7237 Warning light signal · Signal lights change from amber/amber (caution) to amber/green (proceed with caution) using 4 bulbs · Only for connection to the home light signal 7240 · Used with fixing bracket 7230 · Width 5/8" · Length 1 1/8" · Height 2 1/2"

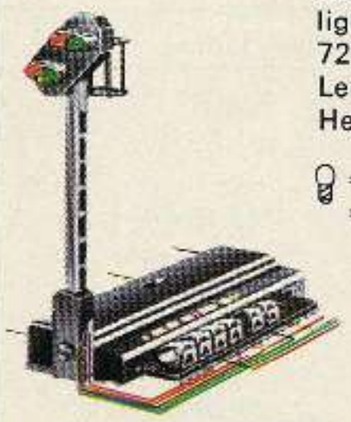
= 60202 green
= 60204 amber



7238

7238 Warning light signal · Signal lights change from amber/amber (caution) to green/green (proceed) or amber/green (proceed with caution) using 4 bulbs · Double solenoid operation for the green/amber setting · For use with light home signal 7241 · Width 1 1/8" · Length 2 3/4" · Height 2 1/2"

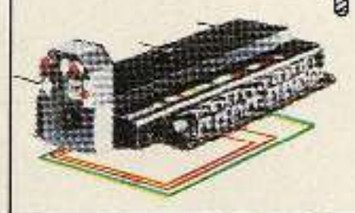
= 60202 green
= 60204 amber



7242

7242 Siding signal, dwarf version · Signal lights changes from red/red (stop) to white/white (proceed with extreme caution) and the traction current is controlled by double solenoid operation · Two light bulbs provide the signals · Additionally, a lever for manual operation · With 1 1/8" · Length 2 3/4" · Height 3/4"

= 60200



7245

7245 Universal remote control switch with 2 single-pole switches and a change-over switch for various circuits · Operated by double solenoid · Can be set by means of switching track sections, the control panel or an extra, manually operated lever · The instructions provided explain the various applications · Width 1 1/8" · Length 2 3/4" · Height 3/8"



7239

7239 Light home signal · Signal lights change from red (stop) to green (proceed), with traction current controlled by a double solenoid · 2 bulbs · Additionally, a manually operated switch · Width 1 1/8" · Length 2 3/4" · Height 3 1/2"

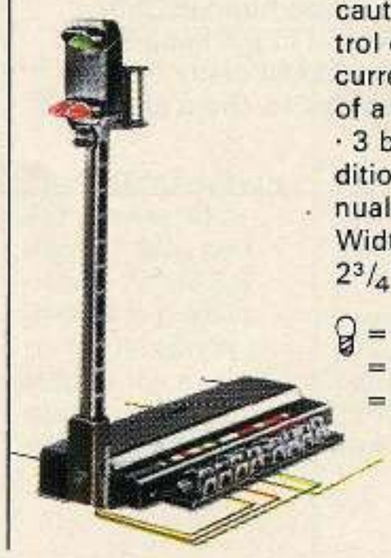
= 60201 red
= 60202 green



7240

7240 Light home signal · Signal lights change from red (stop) to green/amber (proceed with caution), with control of the traction current by operation of a double solenoid · 3 bulbs · Additionally, a manually operated lever · Width 1 1/8" · Length 2 3/4" · Height 3 1/2"

= 60201 red
= 60202 green
= 60204 amber



7241

7241 Light home signal · Signal lights change from red (stop) to green (proceed) or green/amber (proceed with caution), with control of the traction current by double solenoid with a third solenoid in addition for the green/amber setting · 3 bulbs · 2 additional manually operated levers · Width 1 1/8" · Length 3 3/4" · Height 3 1/2"

= 60201 red
= 60202 green
= 60204 amber



Insulators for center track conductors, terminals for central track conductors and instructions are included with the home signals 7239, 7240, and 7241.

0361

Märklin signal manual for K-tracks · For description see page 68



7539

7539 Light home signal · Signal light changes from red (stop) to green (proceed) by manual operation with simultaneous control of the traction current in the center track conductor which is permanently connected · Additional track section 3 1/2" long with interrupted center conductor · Width 2" · Length 3 1/2" · Height 3 1/2"

= 60001 red
= 60002 green

7539 for K-tracks only





7230

7230 Fixing bracket · Is required with the mast of light signals 7238, 7239, 7240, 7241 and the siding signal 7242, if they are set up separated from the solenoid drive



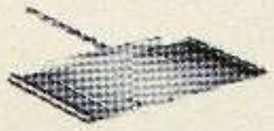
7531

7531 Base plate for connecting the warning light signals 7236 and 7237 to track sections of series 2100



7532

7532 Base plate for connecting the light signals 7238, 7239, 7240 and 7242 to track sections of series 2100



7533

7533 Base plate for connecting the light home signal 7241 to track sections of series 2100



Märklin HO

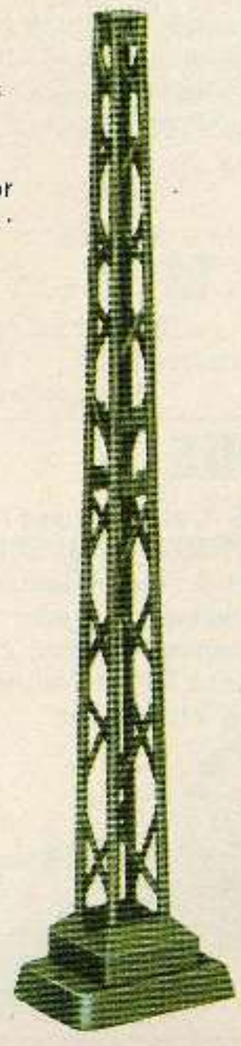
Catenary system

Märklin catenary system for M-track 5100/5200

The electric locomotives can pick up their current from the overhead contact wire with the same reliability as from the stud contacts. All that has to be done is switch over a small lever on the locomotive. With the Märklin system it makes no difference in which direction the locomotive is placed on the track. It is advisable to connect the catenary system to a separate transformer. Two trains can then run independently of one another on the same track using the catenary system and the stud contacts.

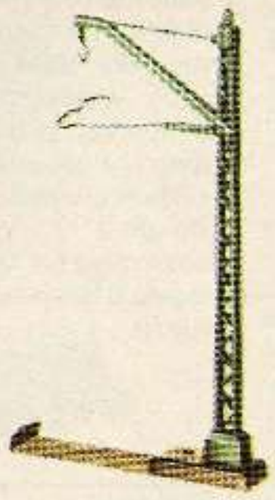
7021

7021 Tower mast with recesses for supporting the cross spans 7016 or 7017 and the cantilever support arm 7025 for the catenary system · Base 1"×1 1/4" · Height 7 1/2" · For tower mast with lights, see page 66



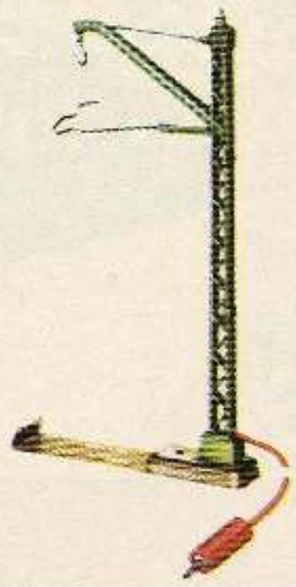
7009

7009 Catenary mast · Basic unit Height 4 3/8"



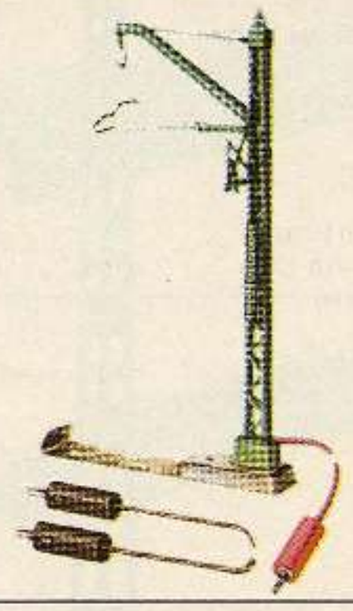
7012

7012 Feeder mast for signals, with 1 cable · Height 4 3/8"

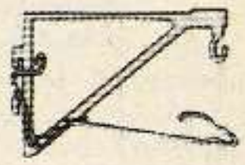


7010

7010 Feeder mast for supplying current, with 2 cables and instructions for using the catenary system · Height 4 3/8"



7025



7025 Cantilever support arm · A single track passing by the tower mast can be connected to the catenary system by this cantilever support arm 7025

7003



7003 Catenary system feeder cable for connection to signals when tower masts are used and for supplying current to any point · Length 24"

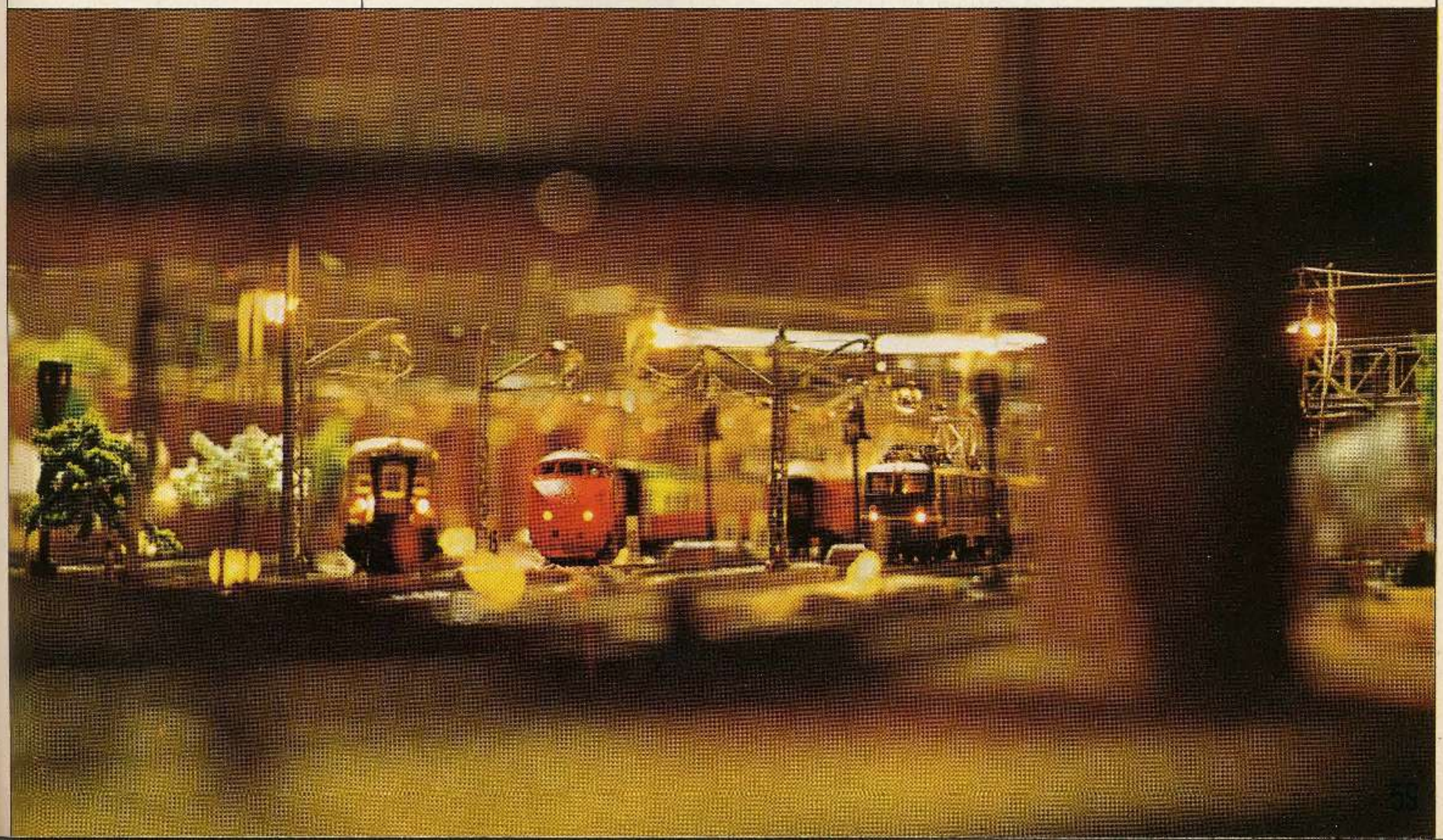
7005

7005 Catenary set for train control for signals of the 7000 series which are not mounted on tower masts · Consisting of 2 feeder masts 7012, 2 insulator pieces 7022 and 2 contact wire sections 7014

The overhead contact wires with their tensioning and cross span connectors are arranged exactly like the real thing. That is why the Märklin Catenary system appears so realistic both when it is above open tracks and particularly where spanning station tracks. The contact wire sections are for use both with M-tracks and K-tracks. The spring contact wire holders on the masts ensure reliable contact with the contact wires.

The ingenious snap-plug connectors enable the contact wire sections, e. g. 7013 and 7023, always to be pushed through to the required length.

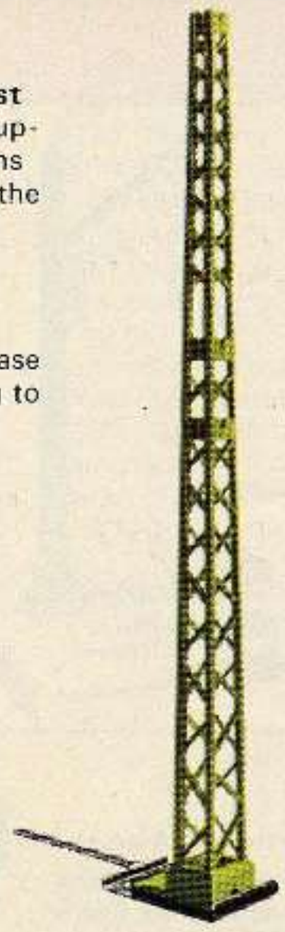
The contact wires are flexible and can be adapted to any curve without the use of any auxiliary equipment. The longest contact wire section 7019 is intended for long straight runs. Using the tower masts 7021 and 7521 and the cross spans 7016, any width of tracks can be spanned. 4 tracks need one cross span and two towers and each extra 4 tracks need a further cross span and tower mast. For single tracks passing by a tower but not between two towers, the overhead contact wires can be mounted on the cantilever arms 7025 and 7525.



Catenary system

Märklin catenary system for K-track 2100

7521



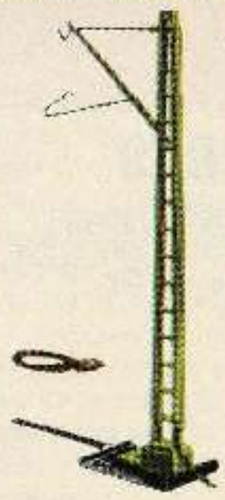
7521 Tower mast with recesses to support the cross spans 7016 or 7017 and the cantilever support arm 7525 of the catenary system · Base $^1/_2$" × $^3/_4$" · Height 6" · With base plate for fastening to series 2100 tracks

7509



7509 Catenary mast · Basic unit for the construction of a catenary system for track sections of the series 2100 · Height $3^7/_8$" · With base plate for fastening to the track

7510



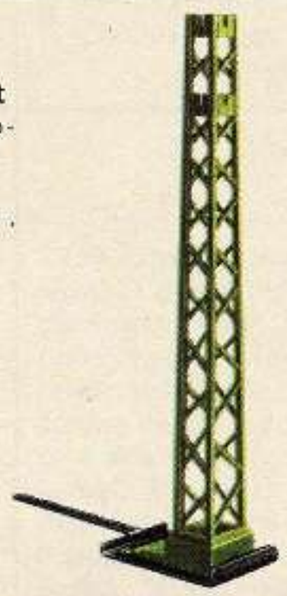
7510 Feeder mast with red cable with plug connected to the mast · Brown cable with plug · Instructions for building the catenary system are included · Height $3^7/_8$" · with base plate for fastening to 2100 series tracks

7512



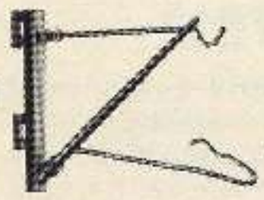
7512 Feeder mast with red cable attached to connect the catenary system to the home signals · Height $3^7/_8$" · With base plate for fastening to 2100 series tracks

7524



7524 Lattice mast with recesses to support one or two cantilever arms 7525 · Height $3^3/_4$" · With base plate for fastening to the series 2100 tracks

7525



7525 Cantilever support arm for suspending single or double catenary wires, in conjunction with tower mast 7521 or lattice mast 7524

7505

7505 Catenary set for train control for light home signals of the 7200 series, which are not mounted on tower masts · Consisting of 2 feeder masts 7512, 2 insulator pieces 7022 and 2 contact wire sections 7014 · For use with track sections of the 2100 series

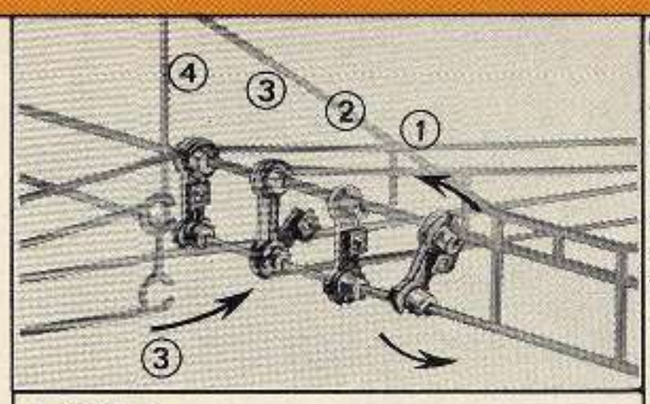
Märklin catenary system for K + M-tracks

All contact wire sections are nickel plated.

7511



7511 Bridge mast For attaching to the side of plastic bridges and ramps · Height $3^7/_8$"



7004

7004 Fastening kit · Consisting of 5 bolts, 5 nuts and 5 washers · Only used in exceptional cases where it is not possible to make a reliable joint in contact wire sections by the usual method

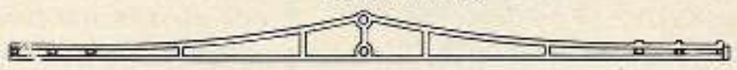
7006

7006 Contact wire insulator · Insulating contact wire section from cross spans · One required for each track and cross span · $^5/_8$" × $^1/_4$"



7013

7013 Contact wire section for plug connection, especially for turnouts · Length $9^1/_2$"



7014

7014 Contact wire section · Female portion (for plug connection) · Length $4^1/_2$"



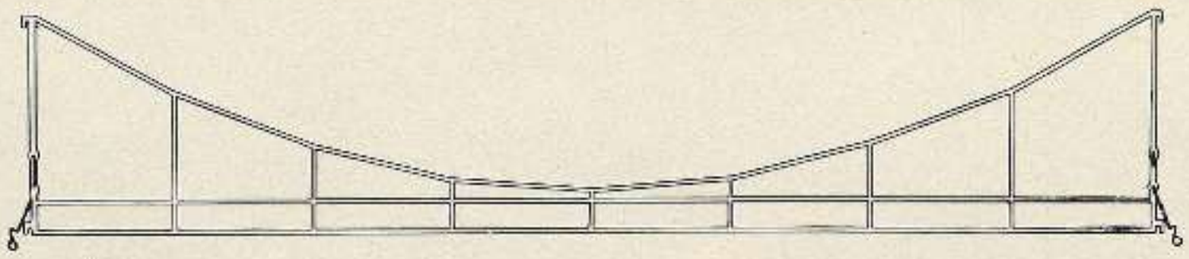
7015

7015 Contact wire section · Male portion (for plug connection) · Length $4^1/_2$"



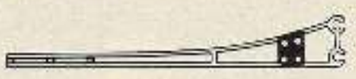
7016

7016 Cross span · For hooking into tower masts · Spans about 4 tracks · Span $15^1/_2$"



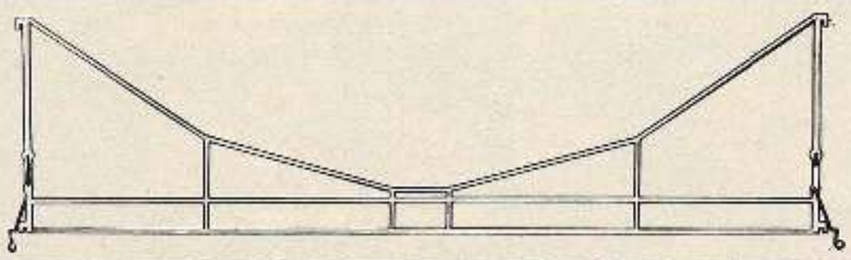
7022

7022 Insulator section · Male portion (for plug connection) for interrupting the overhead conductor current · Length $4^1/_2$"



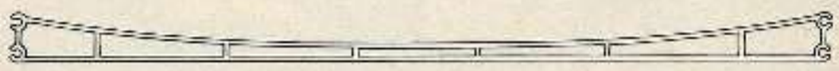
7017

7017 Cross span · For hooking into tower masts · Spans about 3 tracks · Span 11"



7018

7018 Contact wire section for straight and curved track sections · Length $10^3/_4$"



7019

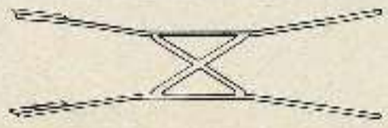
7019 Contact wire section for straight track only · Length $14^1/_2$"



7023

7023 Make-up section for plug connection · Length 4"

7277



7277 Crossing section for 2159, 2160, 5114, 5128, 5207 and 5211

7278

7278 Contact wire section for use over the inner track curve on curved double-track sections of series 2100 · Length $9^1/_4$"



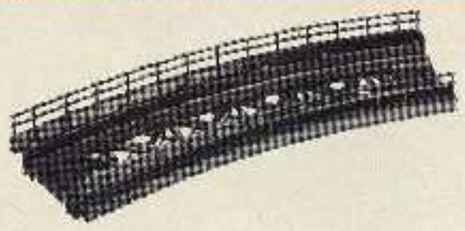
Märklin HO

Bridges K + M

Märklin bridges in plastic for K + M-tracks

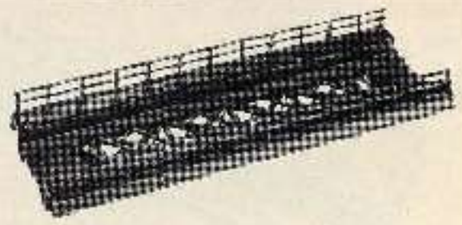
With these Märklin bridge parts any size or combination of bridges and ramps can be built. The pier constructional elements 7252 and 7253, which fit together like building blocks, enable piers of any height to be built up in steps of 1/4". When using the base plate 7251 in conjunction with the base plate 7250, it is even possible to raise the height by steps of 1/8" at a time. For fixing the pier sections on the base plate and fixing the sections together, the use of buttonhead screws is recommended.

7267 K + M



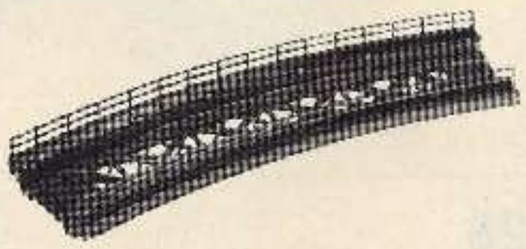
7267 Curved ramp section · Grey · Radius of curvature 14" · For use with plastic or metal tracks · 3 clamps for fixing the K-track · Length and radius as for track sections 2121 and 5100

7268 K + M



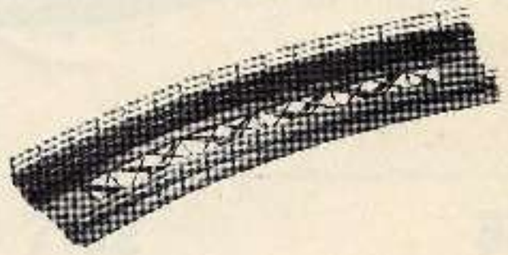
7268 Straight ramp section · Grey · For use with plastic or metal tracks · 3 clamps for fixing the K-track · Length 7"

7269 7269 for M only

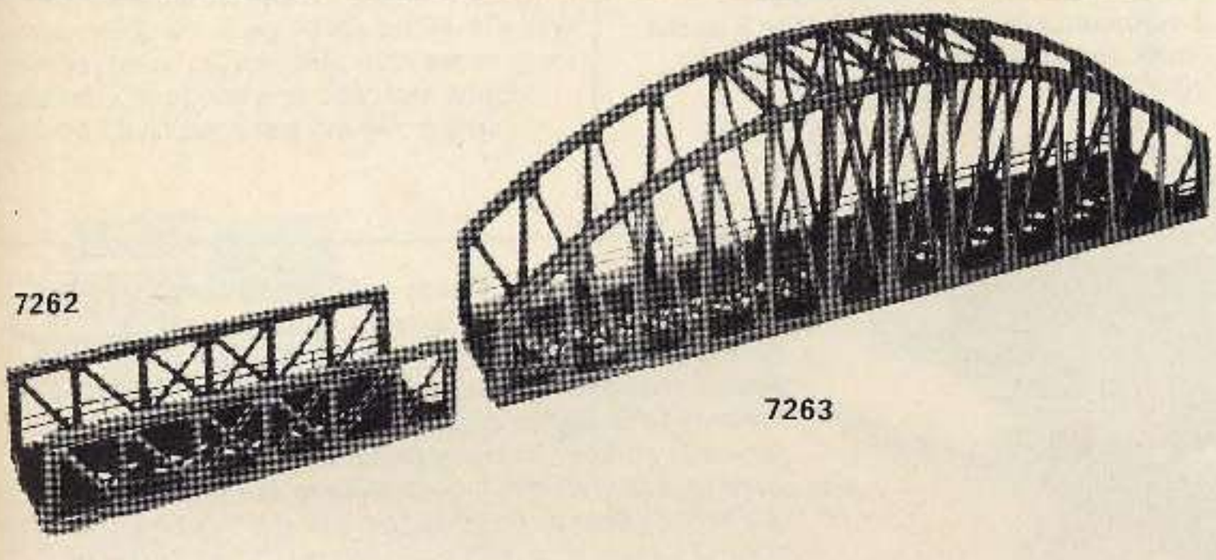


7269 Curved ramp section · Grey · Radius of curvature 17" · For metal tracks 5200 only · Angle subtended 30°

7569 7569 for K only



7569 Curved ramp section · Grey · Radius of curvature 16" · For plastic track only · 3 clamps for fixing the track sections · Length and radius as for track section 2131



7262

7263

7262 K + M

7262 Truss bridge · Grey · Can be used on its own or with arch bridge 7263 · For use with plastic or metal tracks · 3 clamps for fixing K-tracks and instructions for building the bridge · Height 1 3/4" · Length 7"

7263 K + M

7263 Arch bridge · Grey · For use with plastic or metal tracks · 6 clamps for fixing K-tracks and instructions for building the bridge · Height of arch 4 1/2" · Length 14"

7250



7250 Base plate · 1/10" high · Light brown · Can be used as foundation

7251



7251 Base plate · 1/8" high · Light brown · To be used only in conjunction with 7250

7252



7252 Pier · 1/4" high · Grey · Suitable for building ramps with 1/4" rise from one pier to the next

7253



7253 Pier · 1 1/4" high · Grey

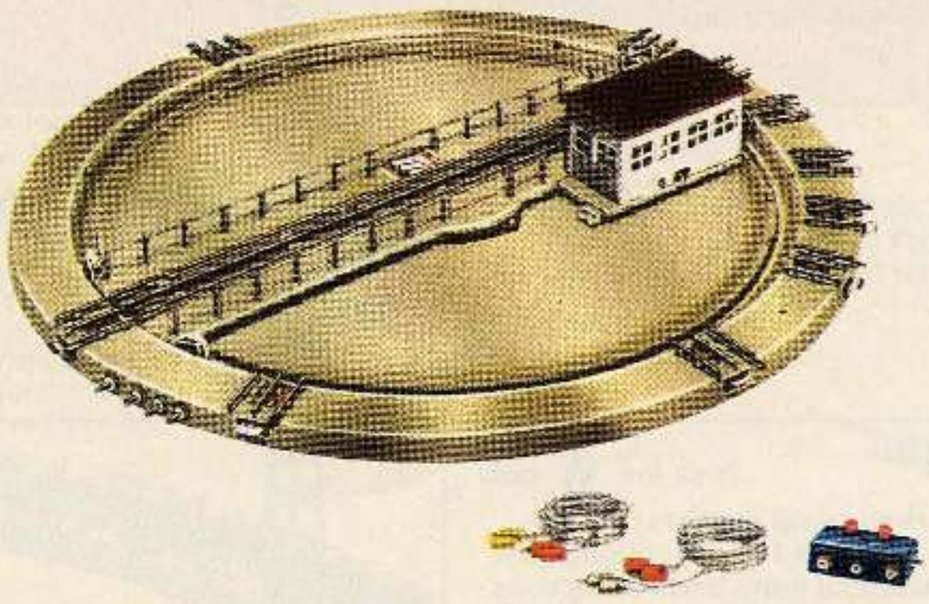
7234



7234 Base plate · For fixing signal masts of the 7200 signal series to bridges



Remote controlled turntable



7186

7186 Turntable set · Consisting of turntable with outside diameter of 14", turning in either direction by remote control, with change-over switch and lead · Current is automatically cut off from all tracks not in contact with the turntable track

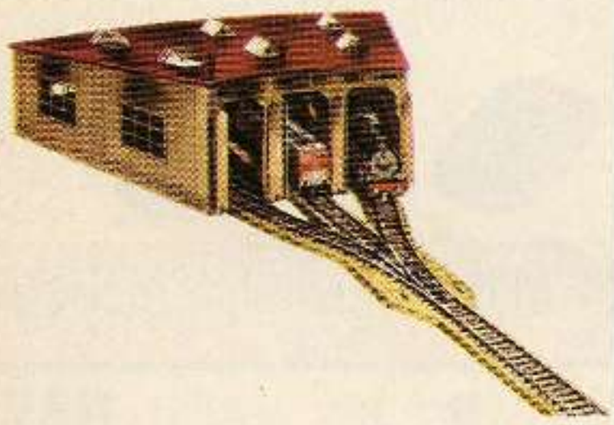
Adapter track section 2191 (see page 55) enables K-track 2100 to be connected to the turntable 7186.

Locomotive roundhouse

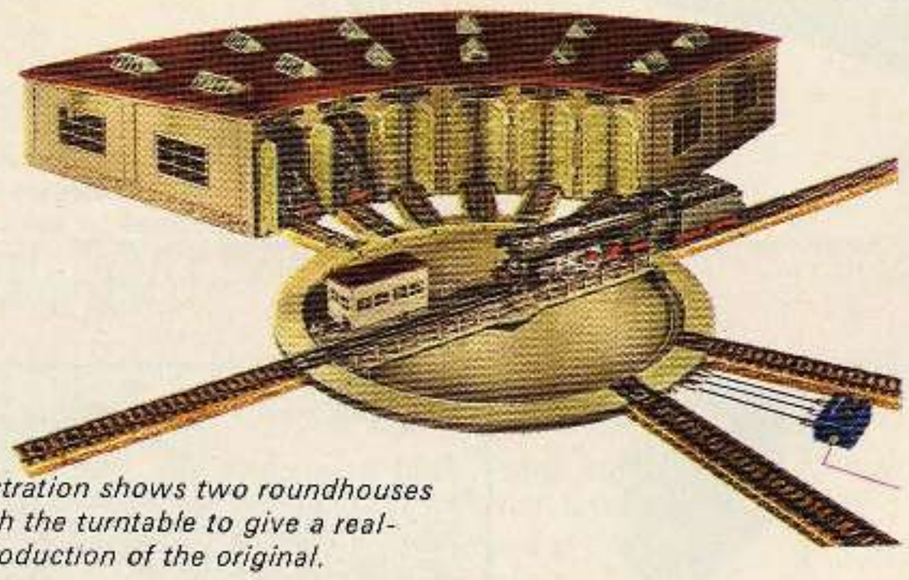


7028

7028 Locomotive roundhouse with 3 automatically closing doors for 3 tracks (track sections not included) · Size 18"×14½" · Height 5¼"



Suggested combination of engine shed 7028 with three-way turnout 5214.



This illustration shows two roundhouses used with the turntable to give a realistic reproduction of the original.

A turntable and roundhouse help to complete your model railway. The turntable is used to enable locomotives to be turned round on the spot, so that they have the smoke stack in front in the direction of travel. Most steam locomotives have higher authorised speeds when travelling forwards and not backwards. In addition, the turntable is used to distribute the locomotives to the 3 or 6 tracks in the roundhouse or to guide them to the right track for their departure. The current is cut off all tracks not in contact with the turntable track.

Remote controlled slewing crane



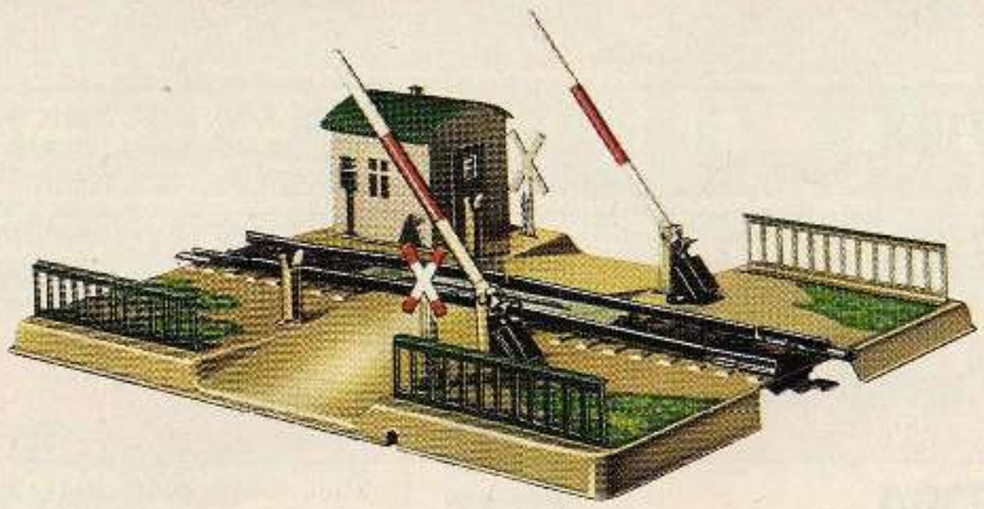
7051

7051 Remote controlled slewing crane with lifting magnet · One motor rotates the boom, another raises and lowers the load · Load hook and lifting magnet enable iron or iron-containing objects to be transferred by remote control · Boom adjustable manually for elevation · Working light in the control cab · Height 10½" · Base 3½"×3½" · 1 combined control and switch panel · Price does not include locomotive, cars or track

= 60 000

Whoever wants to load and unload his freight trains properly, needs this crane. The lifting magnet will of course lift only iron, but other things besides "scrap iron" and "pigiron" can still be loaded. A couple of small screws, screwed inconspicuously into wood, and everyone is surprised to see the magnet lift a wooden crate or planking out of a track on to a freight car. A slewing crane not only extends the interesting variations in the operation of a model railway since all the operations can be remotely controlled, but it adds realism to the transport procedure.

Grade crossings with automatic barriers



7390

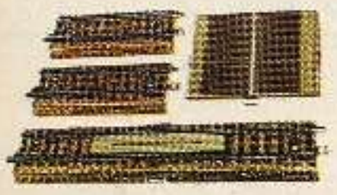
7390 Mechanically operated grade crossing for single-track lines, with M-track section · The barriers are closed by floating bars pressed down by the wheels of the passing train · The length of track section in the grade crossing is equal to the length of a track section 5106 · Base $4^3/_4$" × 7"

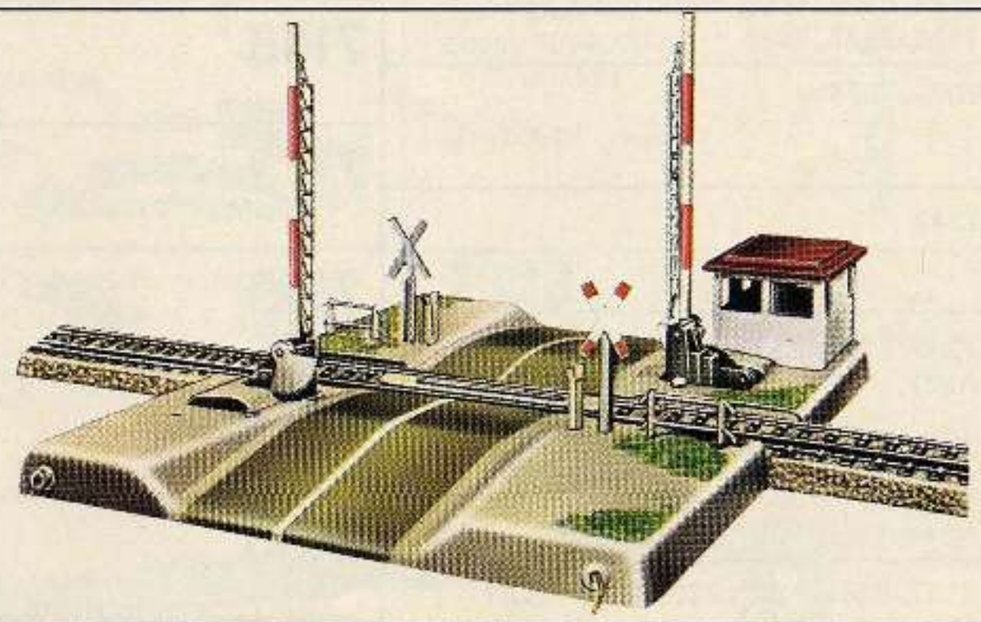
Guarded grade crossings with automatic barriers. As soon as the train approaches the crossing and runs on to the contact track sections, the barriers close. They open again only after the last car has left the last section of contact track after the crossing.

Adapter track section 2191
(see page 55) enables K-track 2100 to be connected to the grade crossings 7192 and 7390.

7193

7193 Extension set for the fully automatic grade crossing 7192, for each extra parallel track · Consisting of a set of contact track sections and adapters which can be fitted between the two tracks





7192

7192 Fully automatic grade crossing with M-track sections · The set consists of 2 electromagnetically operated barriers with guard shed (designed to take interior lighting), warning crosses and a set of contact track sections (2 straight track sections long)

Contact track sections

The grade crossing 7192 in conjunction with the extension set 7193 can also be arranged for use with more than one track. In this case, it still operates automatically.

5115

5115 Straight · Length 7"



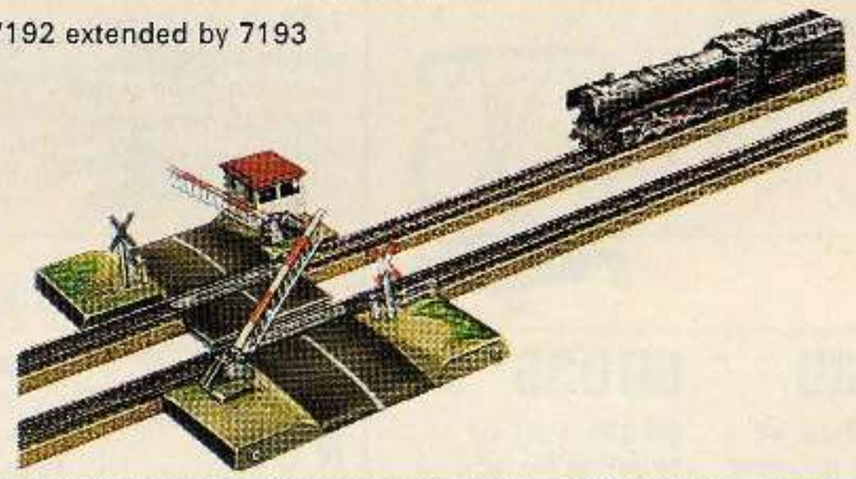
These M-track sections 5115 and 5116 are for extending the contact sections of the grade crossing 7192.

5116

5116 Curved · Radius 14"



Grade crossing 7192 extended by 7193



Accessories for remote operation

7072

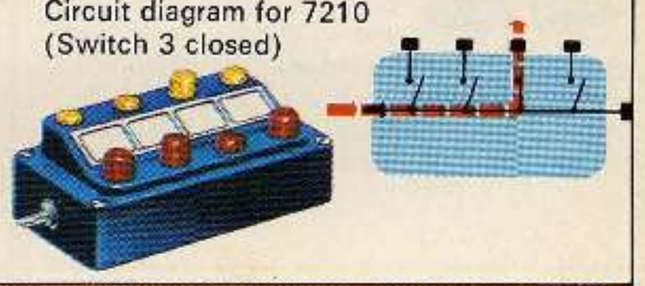
7072 Control panel with 8 sockets for connecting 4 items operated magnetically by double solenoids · The positions of the push-buttons indicate the settings of the signals, turnouts, etc. · Length $3^1/_4$" · Width $1^3/_4$"



7210

7210 Switch panel for distributing the traction or lighting current to 4 different leads by indicator push-buttons · Length $3^1/_4$" · Width $1^3/_4$"

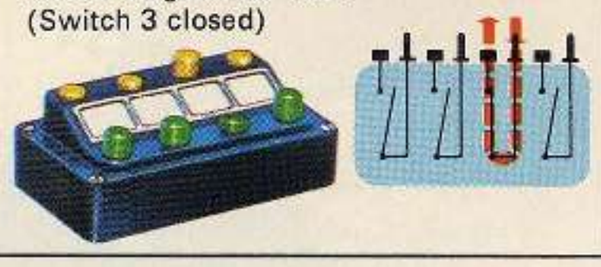
Circuit diagram for 7210
(Switch 3 closed)



7211

7211 Switch panel for switching 4 different traction or lighting circuits on and off by indicator push buttons · Length $3^1/_4$" · Width $1^3/_4$"

Circuit diagram for 7211
(Switch 3 closed)



7209

7209 Distributor panel · With 11 single-pole sockets · Size 2" × $^3/_4$"



7229

7229 Distributor panel with 5 cable terminals connected in series · Length $1^1/_2$" · Width $^3/_8$"



7228

7228 Connecting panel with 5 cable terminals insulated from one another · Length $1^1/_2$" · Width $^3/_8$"



Warning bells for tracks of all gauges

7222

7222 Warning bell with two-tone ring · Operated by hand crank · Height 4" · Base diameter $1^1/_2$"



7221

7221 Warning bell with two-tone ring · Solenoid operated · Operating voltage 16 V · Operated from control panel · Height $1^5/_8$" · Diameter 2"



7223

7223 Suppressor For suppressing radio interference by Märklin railroads, as required by the official regulations on the operation of high-frequency equipment · It is incorporated between the transformer and the track system · $1^7/_{16}$" × $1^3/_8$" × $^3/_4$"



MärklinHO

Accessories for Märklin HO gauge locomotives and other items

Light bulbs

		for items as follows
60000 2161, 3015, 4081, 5117, 5128, 5140,		5202, 7036, 7037, 7038, 7039, 7040, 7041, 7042, 7051, 7077, 7191, 7280, 7281, 7282, 7283, 7284
60001		3071, 3076, 7079, 7188, 7339, 7539 (red)
60002		7188, 7339, 7539 (green)
60010		3000, 3003, 3016, 3021, 3031, 3046, 3047, 3064, 3065, 3072, 3095, 4018, 4506, 5113, 7046, 7047, 7048, 7323
60015 3022, 3030, 3034, 3035, 3036, 3037, 3038, 3039, 3040, 3041, 3043, 3044,		3050, 3054, 3055, 3060, 3066, 3067, 3068, 3071, 3075, 3076, 3078, 3085, 3086, 3089, 3091, 3094, 3096, 3098, 4044, 4053, 4060, 4089, 6600, 7197, 7320, 7322, 7324
60020		7073, 7074
60200		7242
60201		7239, 7240, 7241 (red)
60202		7187, 7236, 7237, 7238, 7239, 7240, 7241 (green)
60204		7187, 7236, 7237, 7238, 7240, 7241 (orange)

Rubber tires

	for locomotives
7152	3085, 3086, 3089, 3091, 3094, 3098
7153 3003, 3015, 3016, 3022, 3030, 3034,	3035, 3036, 3037, 3038, 3039, 3040, 3041, 3043, 3046, 3047, 3050, 3054, 3064, 3065, 3095, 3096
7154	3000, 3021, 3031, 3044, 3055, 3060, 3066, 3067, 3068, 3071, 3072, 3075, 3076, 3078, 3080, 3087, 3090

Current pick-up shoes

	for locomotives, cars, lighting
7164 3016, 3022, 3034, 3035, 3036, 3037,	3038, 3039, 3040, 3041, 3043, 3050, 3054, 3055, 3066, 3067, 3068, 3071 front, 3072, 3075, 3076, 3085, 3096
7166	3044, 3078, 3080, 4060
7173	3030
7175	3015, 3046, 3047, 3071 rear, 4018, 4044, 4053, 4081, 4089, 7197, 7198, 7320, 7322, 7323, 7324
7183	3021
7185	3000, 3003, 3031, 3060, 3064, 3065, 3086, 3087, 3089, 3090, 3091, 3094, 3095, 3098

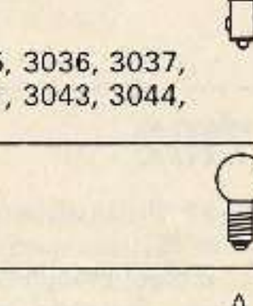
Reverser unit springs

7194
Pack with 5 springs for reversing switch

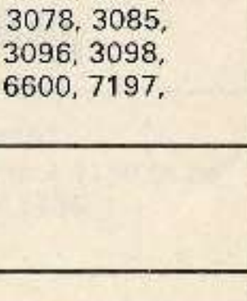
Instructions for fitting rubber tires, current pick-up shoes, light bulbs and reverser unit springs are given in the "Instructions for Use".

Whistle
for Märklin locomotives, see page 65

7218
7218 Pantograph, double arm · 1 cheese-head screw



7219
7219 Pantograph, single arm · 1 cheese-head screw · The catenary system must be very carefully set up when 7219 is used



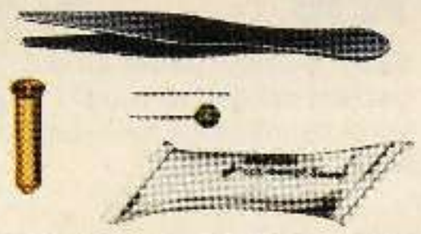
60030
60 030 Pair of brushes for most H0 gauge locomotives



60035
60 035 Pair of brushes for locomotive 3015

7226
NEW

7226 Smoke set · Consisting of smoke unit (to fit locomotive 3085), replacement steam pipe, cleaning wire, pair of tweezers and a capsule of smoke fluid



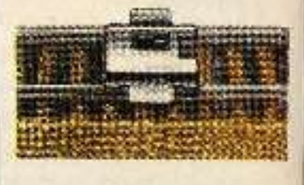
7199
7199 Oil bottle · Contains about 1 fluid ounce of lubricating oil for locomotives, cars and coaches



0241
0241 Smoke fluid in plastic capsule as refill for locomotives 3046, 3047 and 3091 fitted with smoke units



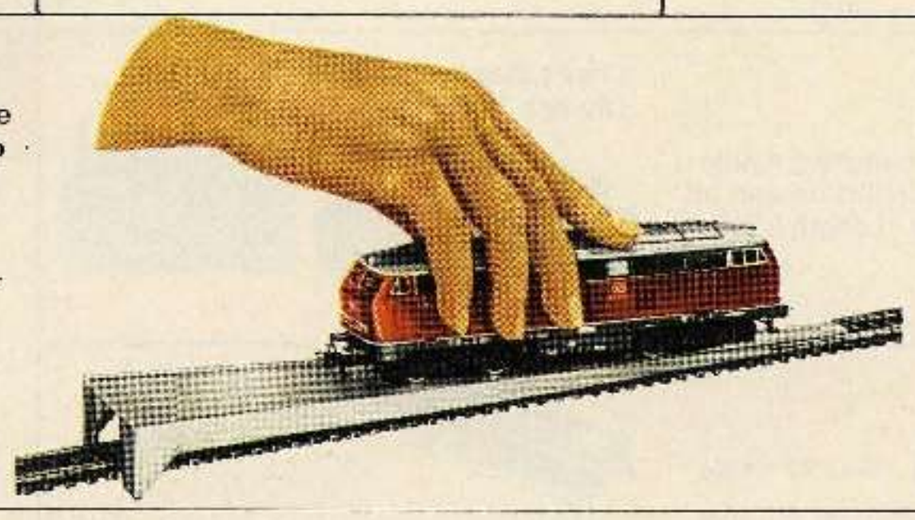
7001
7001 Coupling gauge made of nickel-plated steel sheet, for locomotive and car couplings



7195
7195 Number plate set · For identifying turnouts and signals in the track layout · Contents: 12 bases with slots to hold the numbers 1-24 which are provided



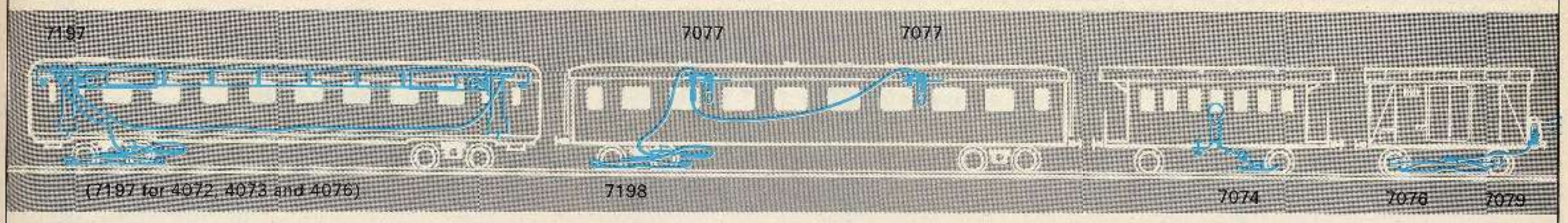
7224
7224 Locomotive positioning ramp · Made of plastic · Facilitates placing multiaxle rolling stock on the track · Length 12" · Height 1"



MärklinHO

Train lighting
Whistle attachment

Electric lighting on train



7076

7076 Pick-up shoe for taillight 7079 when used on passenger cars 4000 and 4040 and two-axle freight cars



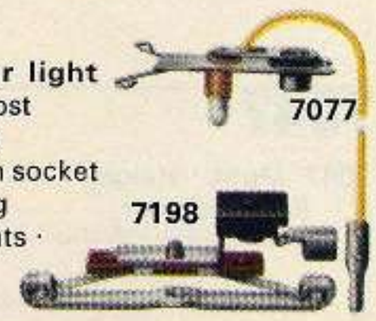
7198

7198 Pick-up shoes for interior light fitting 7077 = 7175

7077

7077 Interior light fitting for most long-distance coaches · With socket for connecting additional lights · Light bulb

= 60000



7079

7079 Taillight with bulb · Clips on to buffer · For use on cars with metal buffers only · For connecting up it requires 7074, 7076, 7077 or 7198

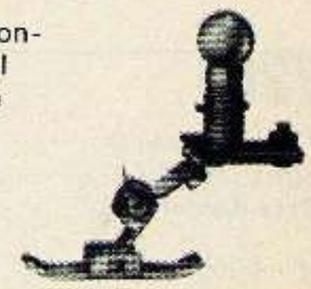
= 60001 (red)



7074

7074 Interior light fitting for passenger cars 4004, 4005, 4079 and 4080 · With socket for connecting additional lights · Light bulb

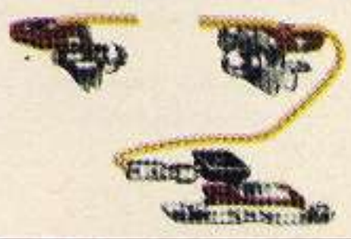
= 60020



7322

7322 Interior lighting set for TEE coach 4090 · Consisting of pick-up shoes 7198, 2 lamp sockets and 2 bulbs · Instructions for installation are included

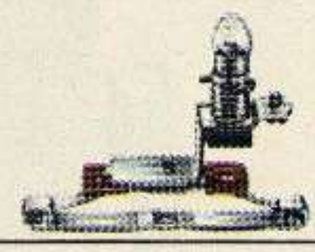
= 7175
= 60015



7323

7323 Interior light fitting for cars 4007 and 4008, with light bulb

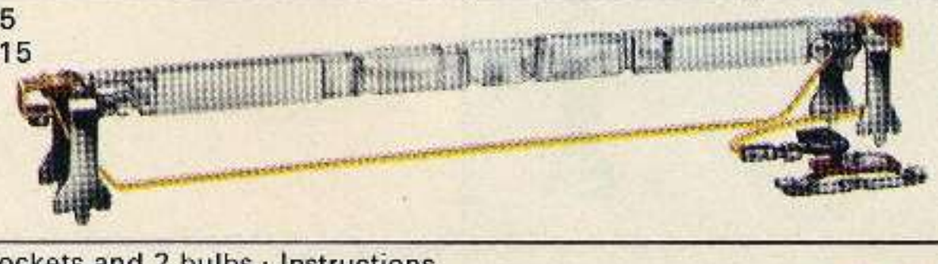
= 7175
= 60010



7197

7197 Interior lighting set for long-distance coaches 4072, 4073 and 4076 · Consisting of pick-up shoe 7198, light diffuser, 2 lamp sockets and 2 bulbs · Instructions for installation are included

= 7175
= 60015

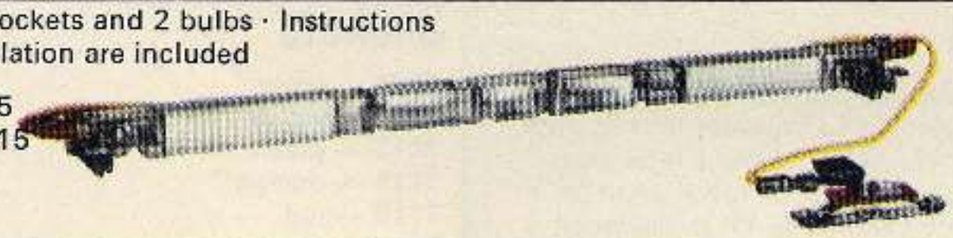


7320

7320 Interior lighting set for TEE coaches 4085, 4086, 4087, 4088 and long-distance coaches 4049, 4054, 4064, 4066, 4069 and 4078 · Consisting of pick-up shoe 7198, light diffuser,

2 lamp sockets and 2 bulbs · Instructions for installation are included

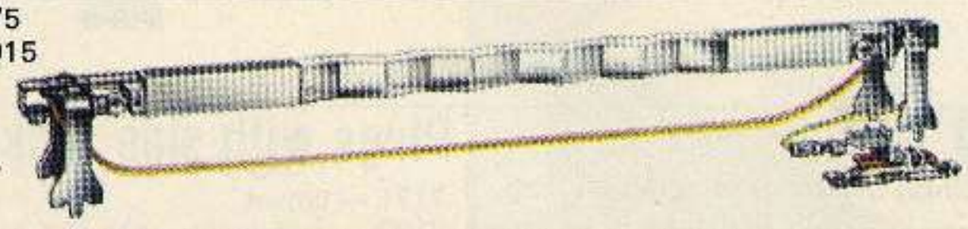
= 7175
= 60015



7324

7324 Interior lighting set for long-distance coaches 4091, 4092, 4093 and 4094 · Consisting of pick-up shoe, light diffuser, 2 lamp sockets and 2 bulbs · Instructions for installation are included

= 7175
= 60015



Whistle attachment for Märklin locomotives

A number of Märklin locomotives (see text under 7213) have provision for mounting the whistle 7213. By incorporating the whistle switch 7215 between transformer and track the whistle can be sounded on the locomotive with the traction current switched off.

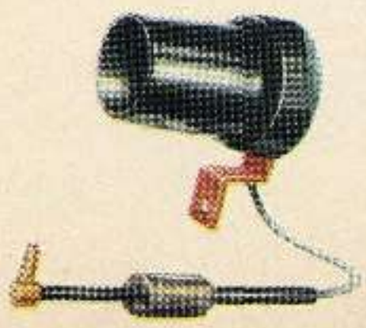
For sounding the whistle while the train is running, the whistle actuator 7216 is required. It should be arranged between transformer and whistle switch.

The whistle can also be sounded while the locomotive is halted by a signal with automatic train control. For this the halt control 7217 is required. Its two leads connect the controlled track section in front of the signal, with the remainder of the track system.

It is also possible for the locomotive to sound its whistle automatically by using the universal remote control switches 7045 or 7245 (see pages 54 and 58) and contact and/or switching track sections (see pages 50 and 55).

7213

7213 Whistle, complete · Suitable for fitting without any soldering to Märklin locomotives 3022, 3034, 3035, 3036, 3037, 3038, 3039, 3040, 3043, 3050, 3054, 3055, 3060, 3066, 3067, 3068, 3071 and 3075 and some models of the locomotive 3021 · On the other locomotives 3021, a single soldered joint is required · Installation instructions are included · The loudness of the whistle is reduced if light bulbs, e. g. coach interior lighting, are connected in the same circuit



7215

7215 Whistle switch for sounding the whistle while the train is stopped · Three leads, yellow, brown and red, each with plug · Dimensions 3" × 2 1/8" × 1"

Detailed operating instructions are included with the whistle switch.



7216

7216 Whistle actuator · In conjunction with whistle switch 7215, it enables the whistle to be sounded when the locomotive is stopped or running · One red lead with plug · Dimensions 2" × 1 1/4" × 1"



7217

7217 Halt control is required in addition to the whistle actuator 7215 if the whistle is to be sounded in a section of track from which the current has been switched off, e. g. in front of a signal · 2 red leads with plugs · Dimensions 2" × 1 1/4" × 3/8"

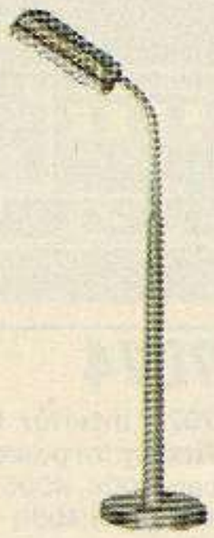


Station and street lighting

7280

7280 Street light, modern style · Height $4^5/_8$" · Base diameter 1"

= 60000



7281

7281 Station platform light, branched · Height $3^7/_8$" · Base diameter 1"

= 60000



7282

7282 Square and street light, branched · Height $4^3/_4$" · Base diameter 1"

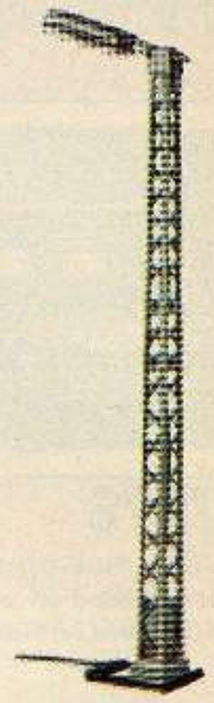
= 60000



7283

7283 Lattice mast light · Mounted on lattice mast · With base plate for mounting on to K-tracks · Can be used with a catenary system · Height $6^3/_4$"

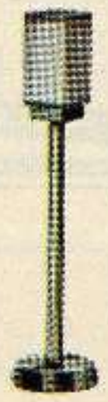
= 60000



7284

7284 Sidewalk light · Height $2^1/_2$" · Base diameter $^3/_5$"

= 60000



7046

7046 Arc light with lattice mast · Can be used with a catenary system for M-tracks · Height $8^1/_4$" · Base 1" × $1^1/_4$"

= 60010



7047

7047 Light · Height 5" · Base diameter $1^1/_8$"

= 60010



7048

7048 Arc light · Height $6^1/_4$" · Base diameter $1^1/_4$"

= 60010



Commonly used lead colors for Märklin circuits

Red = For running trains (from transformer to center rail or catenary contact wire)

Yellow = Lighting and solenoid-operated equipment

Brown = Ground lead from tracks, lighting sockets or control panel to transformer

Blue = Ground lead from solenoid operated equipment to control panel or switching track (with green red and orange plugs)

Leads

The copper conductor in this stranded lead consists of 24 separate strands each of diameter 0.004", giving a total cross-section adequate for all loads, even for a short-circuit with a 40 VA transformer.

7100

Lead · Single conductor · Grey · 33 ft long

7101

Lead · Single conductor · Blue · 33 ft long

7102

Lead · Single conductor · Brown · 33 ft long

7103

Lead · Single conductor · Yellow · 33 ft long

7105

Lead · Single conductor · Red · 33 ft long

Sockets

7111 — brown
7112 — yellow
7113 — green
7114 — orange
7115 — red
7117 — grey



Plugs with side sockets

7131 — brown
7132 — yellow
7133 — green
7134 — orange
7135 — red
7137 — grey



7073

7073 Lamp socket with bulb and lead for stations, freight sheds etc.

= 60020



7140

7140 Adapter for connecting two sockets or plugs



7000

7000 Staples · Bag of 50 · For fastening leads to a wooden base



Märklin HO

Transformers HO/I

The heavy-duty Märklin transformers

The reliable insulation, tested at several thousand volts, makes every Märklin transformer absolutely safe. Furthermore, a built-in circuit-breaker switches off the current if there is a short-circuit in the layout or if the transformer is overloaded. The transformer can be plugged into the mains supply by means of the fitted cable and plug just as easily as any standard lamp.

The speed of the locomotives increases with the transformer output voltage, i. e. they go faster as the red control knob is turned to the right and slower as it is turned to the left. If the control knob is turned momentarily past the zero position on the left, the 24 V reversing circuit is activated and the locomotive reverses direction (The «engineer» is built-in). Trains can be run at a still slower speed with the 30 VA transformers of the 6600 series than with the 16 VA transformers of the 6500 series.
We guarantee trouble-free operation of our railroads only when genuine Märklin transformers are used.

The Märklin transformers of series 6500 and 6600 have connectors for train and lighting/solenoid operated equipment supply.
For A. C. mains only

16 VA

Transformer · Output 16 VA · Sheet metal casing · Weight 3 lbs · Dimensions $4^3/_4$" × $3^3/_4$" × 3"

6500 = 100 volts for Japan
6501 = 110 volts
6505 = 125 volts
6507 = 115 volts for USA

6509 = 240 volts for England
6511 = 220 volts
6514 = 220 volts for Finland

When ordering please quote the number corresponding to the required mains voltage.



16 VA

30 VA

Transformer · Output 30 VA · Traction voltage adjustable between 4 V and 16 V · Lighting voltage 16 V · Plastic casing · Red pilot light · Weight $4^1/_2$ lbs · Dimensions $6^3/_8$" × $5^1/_4$" × 3"

= 60015

6620 = 100 volts for Japan
6621 = 110 volts
6625 = 125 volts

6629 = 240 volts for England
6631 = 220 volts
6153 = 110 volts for USA

When ordering please quote the number corresponding to the required mains voltage.



30 VA

Transformers for lighting

40 VA

Transformer for lighting and solenoid operated equipment · Output 40 VA · Output voltage 16 V A.C. approx. · Plastic casing · Weight 4 lbs 6 oz · Dimensions $6^3/_8$" × $5^1/_4$" × 3"

NEW
6611 – 220 volts

Power requirements for locomotives and lights

Examples:
This is how you can calculate how many items can be connected to the transformers; the 3-axle tender locomotive 3000 takes about 9 VA, the express diesel locomotive 3021 about 12 VA and the heavy express steam locomotive 3085 about 15 VA. Any transformer capacity left over by the locomotives can be used for lighting the trains or the layout, with 1 VA counted as the power required for each bulb.

The transformer in the gift sets on page 13 has the same advantages as the transformers described here. The only difference is its lower output.



40 VA

Märklin HO

Publications

0327 NEW

0327 "Märklin Railroad + Landscape" by Bernd Schmid · An outstanding aid in designing your own model railroad system · The construction of an H0 gauge system is described down to the last detail · The book is copiously illustrated with some of the pictures in color · Technical details, track layout, landscape planning and the finishing touches to the system are dealt with thoroughly by an acknowledged expert on model railroads · It is a real mine of information for any model railway enthusiast · 192 pages · Format $6^1/_2$" × 8" · German text



0380

0380 "Märklin H0 Railroads and their Originals", a handbook for the Märklin model railroad fan · Among the contents: suggestions for designing landscaped model railroad layouts, the Märklin locomotives and cars and the originals on which they are modelled, signals, railroad regulations and procedures, examples of circuits, e. g. simultaneous operation of several trains, and much more besides · 228 pages · Format $9^1/_2$" × 6" · German text



0351 M

0351 "Märklin H0 Gauge Track Layouts for M-tracks 5100 and 5200" · Apart from 20 track plans and detailed suggestions for construction, many combinations of turnouts and signals are explained and all possible variations shown · With 13 full-color pictures of model track layouts · The text contains plenty of suggestions on how to plan even the biggest layouts · 86 pages · Format $8^1/_4$" × $11^3/_4$"



0371 K

0371 "Märklin H0 Gauge Track Layouts for K-track 2100" · With full-color illustrations and detailed track plans for 16 comprehensive layouts, including catenary system · The various circuits are shown in different colors · This publication also contains many plans of track and turnout combinations · An outstanding guide to the building of layouts, even large ones · 52 pages · Format 8" × 12"



0361 K

0361 Märklin Signal Manual · This explains in detail, with the aid of 6-color illustrations, how signals and universal remote control switches of the **7200** series are incorporated into a system and used · 48 pages · Format 7" × $9^1/_2$"



0321 M

0321 "Märklin H0 Gauge Track Layouts for M-tracks 5100 and 5200", with 16 simple track plans · This gives a good review of the design of track layouts and their variants · 24 pages · Format 6" × $8^1/_4$"



0379 K

0379 "Märklin H0 Gauge Track Layouts for K-track 2100" contains 7 simple track plans · 20 pages · Format 6" × $8^1/_4$"



0341 M

0341 Märklin Signal Manual · This explains in detail, with the aid of 6-color illustrations, how signals and universal remote control switches of the **7000** series are incorporated into an M-track system and used · 44 pages · Format 6" × $8^1/_4$"



Märklin Brochures
Available only from your Märklin dealer

MärklinHO

The Märklin Magazine



The magazine for all model railroaders, young and old, reports on interesting topics connected with model railroads

The Märklin Magazine contains reports on real railroad practice and model railroad operation in interesting and stimulating articles. A lively well-illustrated magazine, it provides much worthwhile information for all model railroad enthusiasts, it gives useful hints and tips, it makes what seems complicated understandable, in short, with it, every model railroader can become a perfect model railroader. The Märklin Magazine is published quarterly in German. An annual subscription makes a welcome present.

Available from:

Modellbahnen-Welt Verlags-GmbH,
732 Göppingen, Postfach 940, West Germany
or from your Märklin dealer, or through bookshops.

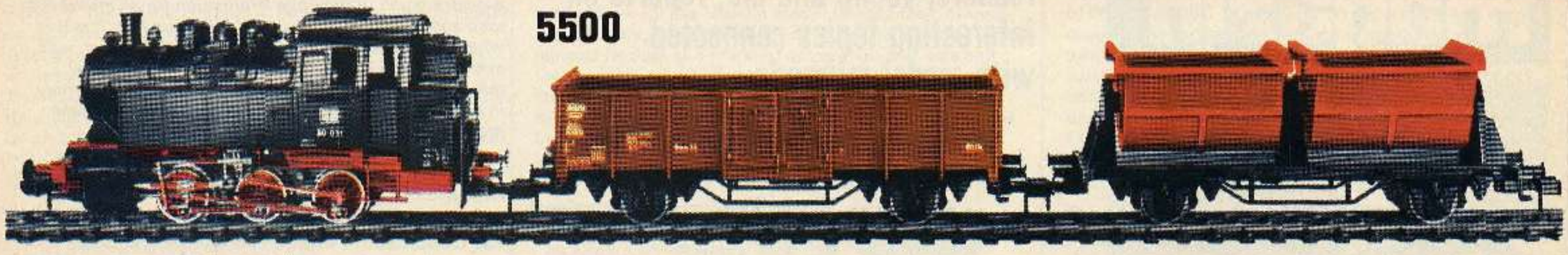


MärklinI

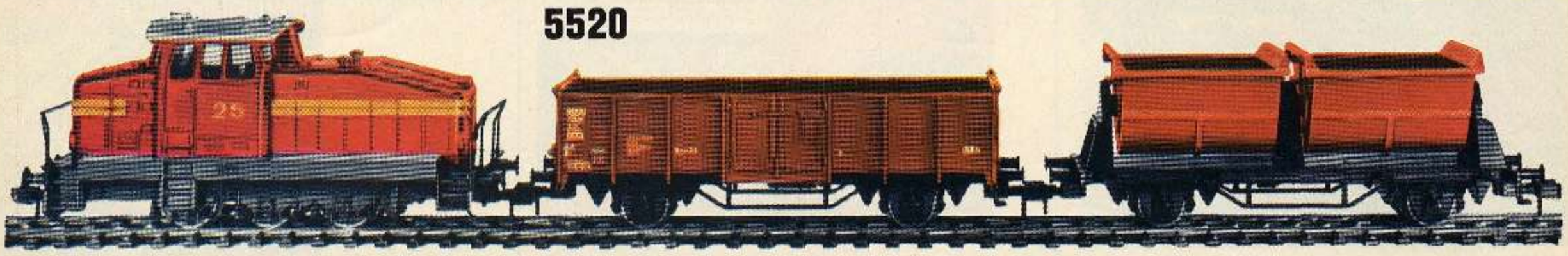
I Gauge Scale 1:32
Two-rail A. C. operation

Train sets

The Märklin transformers 6153 and 6620—6631 are suitable for operating I gauge locomotives.



5500



5520

5500

5500 Freight train (without transformer) · With tank locomotive 5700, 1 open freight car 5850, 1 dump car 5859, 2 straight track sections 5900, 12 curved track sections 5921 and 1 feeder connector 5604 · Length of train 40"

5520

5520 Freight train (without transformer) · Comprising diesel locomotive 5720, 1 open freight car 5850, 1 dump car 5859, 2 straight track senctions 5900, 12 curved track sections 5921 and 1 feeder connector 5604 · Length of train 40"

5521

5521 Freight train (without transformer) · Comprising simplified diesel locomotive, 1 dump car 5859, 12 curved track sections and 1 feeder connector 5604 · Length of train 25"

Tank locomotive

5700

5700 Tank locomotive · A model of the 0—6—0 type German Federal Railways' Class 80 · 2 rubber tires for increased traction force · Simulated Heusinger valve gear · Reversing by remote control · Three working headlights at each end · Mat black plastic body · Opening cab doors · Windows of plastic sheet · Die-cast zinc frame · Automatic coupling and spring buffer at each end · Length over buffers 12"

= 60015

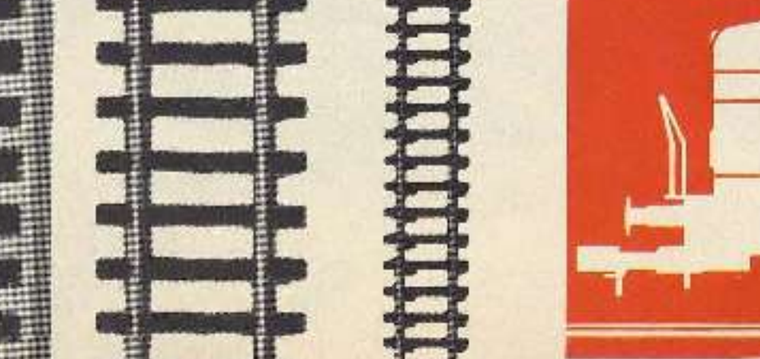


Tank locomotive

5702

5702 Tank locomotive · 0—6—0 type · 2 rubber tires for increased traction force · Simulated Heusinger valve gear · Reversing by remote control · Three working headlights at each end · Plastic body, black boiler, dark green water tank and cab, brass-coloured window frames and hand rails · Opening cab doors · Windows of plastic sheet · Die-cast zinc frame · Automatic coupling and sprung buffer at each end · Length over buffers 12"

= 60015



Diesel locomotive

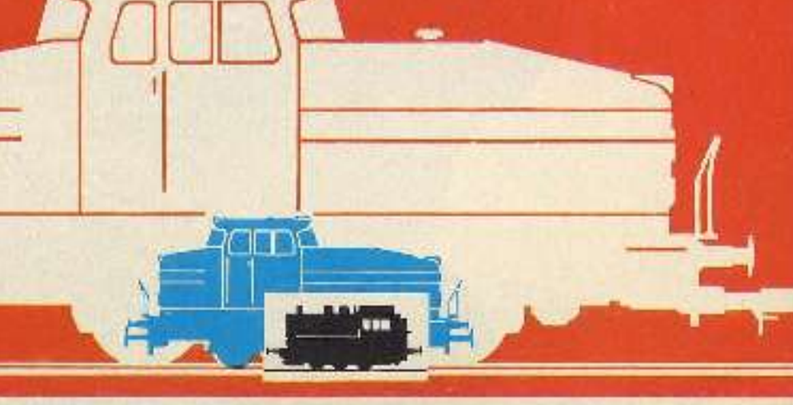
5720

5720 Diesel locomotive · A model of an 0—6—0 type industrial locomotive · 2 rubber tires for increased traction force · Reversing by remote control · Three working headlights at each end · Red plastic body with two yellow horizontal stripes · Opening cab doors · Windows of plastic sheet · Die-cast zinc frame · Automatic coupling and sprung buffer at each end · Length over buffers 12"

= 60015

60 041

Pair of motor brushes for I gauge locomotives



Comparison of sizes:

I Gauge 45 mm ($1^3/_4$")
5900

HO Gauge 16,5 mm ($^5/_8$")
5100 M

2100 K

mini-club 6,5 mm ($^{17}/_{64}$")
8500

MärklinI

I Gauge Scale 1:32
Two-rail A.C. operation

Passenger cars with interior furnishings

5800

5800 Passenger car · Modelled on a private railroad car · 2 opening doors · Simulated roof ventilators · Windows inset in plastic frames · Interior furnishings simulating wooden seats · 12¼" long



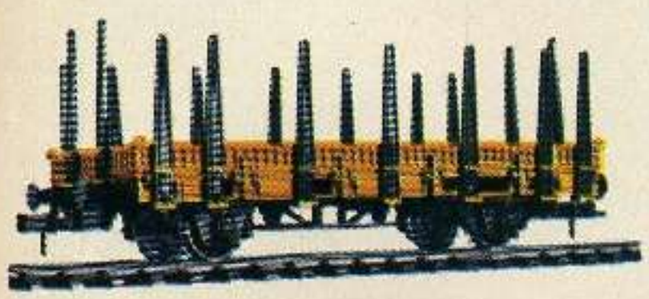
5801

5801 Passenger car · Modelled on an original of the former Royal Württemberg Railway · Otherwise similar to 5800

Freight cars

5853

5853 Flat car · With romovable stanchions · 12¼" long



5850

5850 Open freight car · A model of the German Federal Railways' type Omm 55 · 12¼" long



5851

5851 Open freight car · A model of a Belgian State Railways (SNCB) freight car · 12¼" long

5855

5855 Open freight car · Car body orange · Frame black · 12¼" long

5856

5856 Open freight car · Car body light green · Frame black · 12¼" long

5859

5859 Dump car · Two independent hoppers dump to either side · Latch holds hoppers in upright position · 12¼" long



5860

5860 Box car · A model of the German Federal Railways' (DB) type Gls · Opening doors on both sides · 12¼" long



5861

5861 Beer car · A model of a private car belonging to the Dortmunder Union Brewery · Opening doors on both sides · 12¼" long



5862

5862 Beer car "Staufenbräu" · Opening doors on both sides · 12¼" long

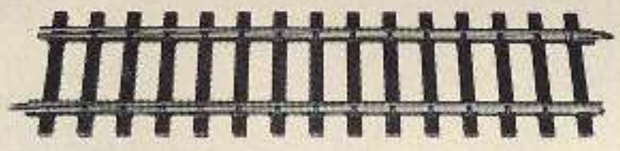


Track sections

The rails, mounted on plastic ties, not only guide the wheels but also supply the power to the locomotives. The track sections are connected by the rails plus a clip on the base of the plastic tie strip. The rails are made of solid corrosion resistant sections, so that the track can even be laid in the garden. Outside diameter of the rail circle 4'2".

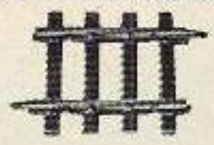
5900

5900 Track section, straight · 12" long



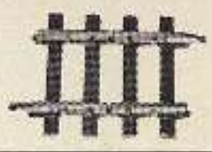
5908

5908 Track section, straight · 3¼" long



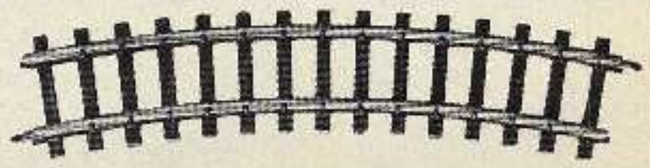
5909

5909 Isolating track section, straight · For isolating individual track sections electrically · 3¼" long



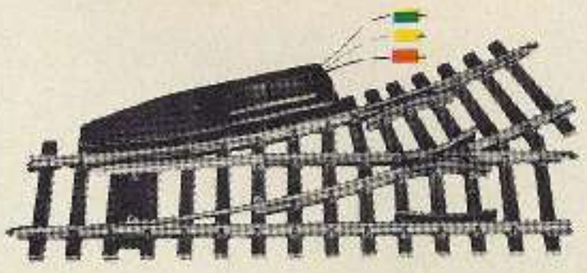
5921

5921 Track section, curved · Radius 24" · Curve 30°



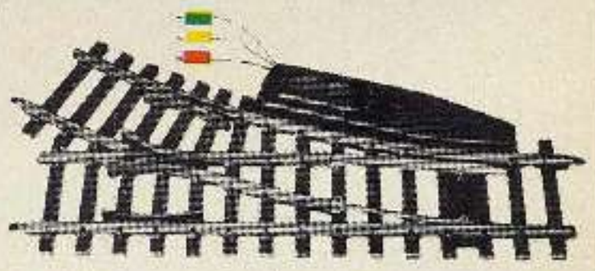
5962

5962 Solenoid operated left-hand turnout · Operated by double solenoid · Sprung switch points · Crossing angle 30° · Radius of curved rails 24" · Length of straight track 12"



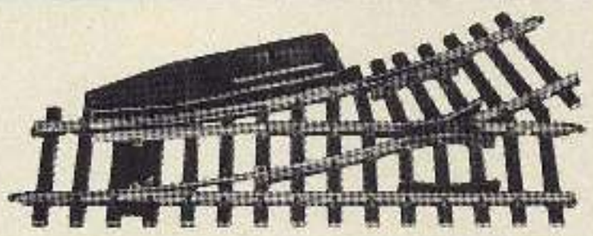
5963

5963 Solenoid operated right-hand turnout · Operated by double solenoid · Sprung switch points · Crossing angle 30° · Radius of curved rails 24" · Length of straight track 12"



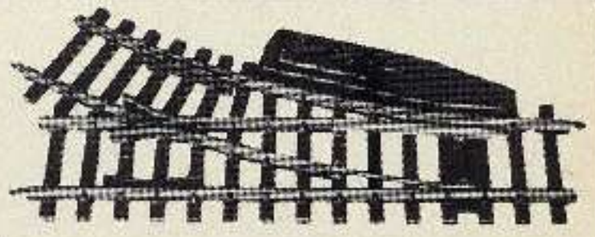
5965

5965 Manual left-hand turnout · Sprung switch points · Crossing angle 30° · Radius of curved rails 24" · Length of straight track 12"



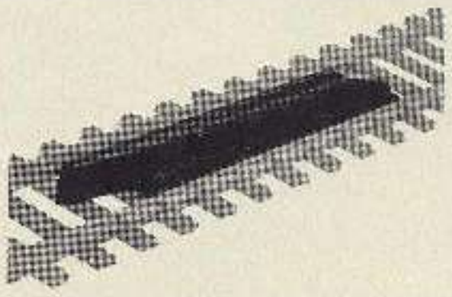
5966

5966 Manual right-hand turnout · Sprung switch points · Crossing angle 30° · Radius of curved rails 24" · Length of straight track 12"



5600

5600 Uncoupler · To be installed between the two rails of track section 5900 · Releases the coupling in one direction only, thus permitting kicking of the cars · 6½" long



5602

5602 Track end bumper · Riveted steel construction · Sprung buffers · Clips on to the rails · 3¾" long



5603



5603 Clips · In packs of 28 · For securing the joints between I gauge track sections

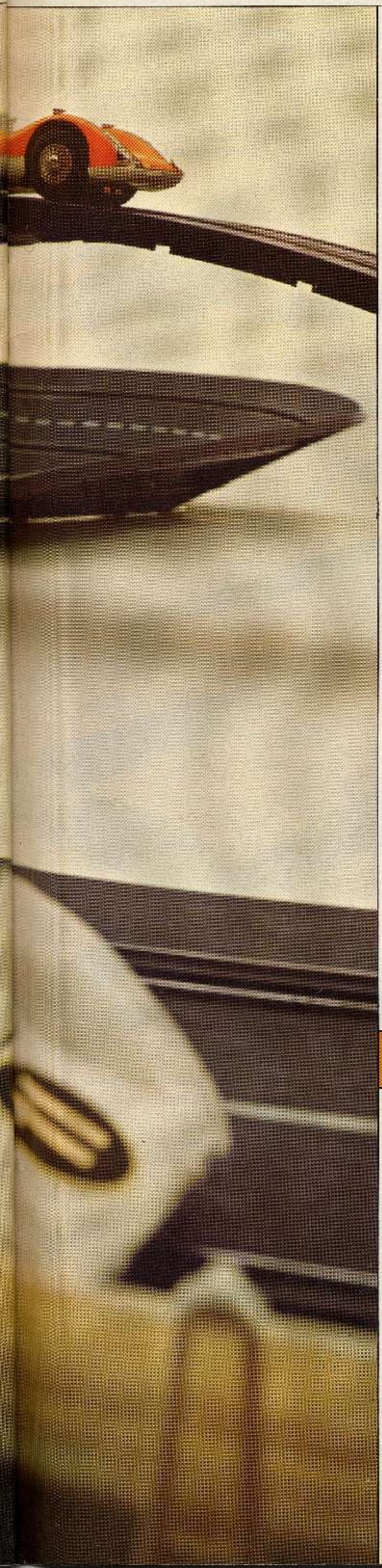
5604 NEW

5604 Power connection fittings · Comprising 2 connecting terminals with red and brown leads · 3'3" long · Incorporating a condenser for radio interference suppression

In spite of the two-conductor rail system, the introduction of reversing loops, crossings and Y-junction tracks into the layout presents no polarity problem, because we have equipped the large Märklin model railroads with A. C. motors, which means that the advantages of the Märklin H0 gauge railroads are also present here. As with the H0 gauge, reversing is effected in the locomotive. On the I gauge locomotive too, the "engineer" is built-in.

Märklin sprint

Automobile racing track Scale 1:32

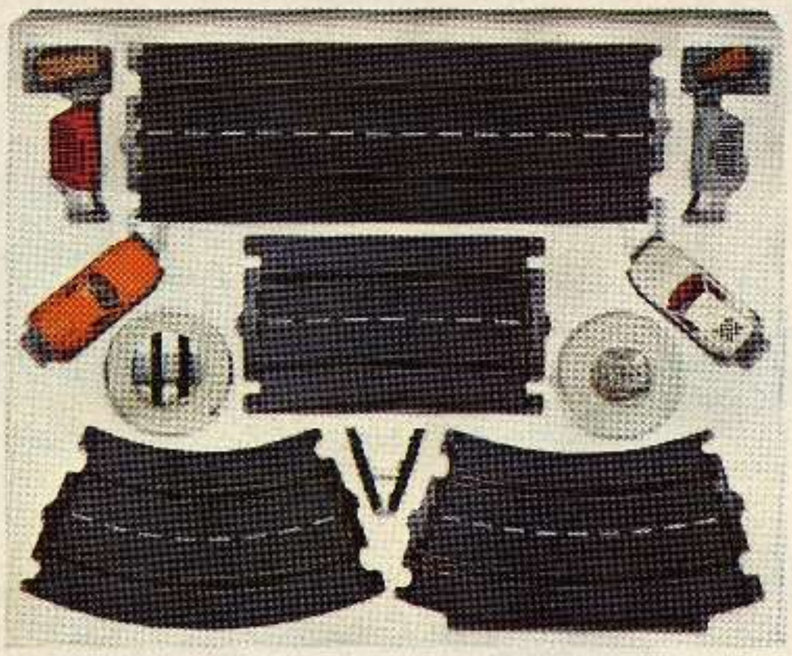


The ideal home automobile racing track

The scale of 1 : 32 is just right because very little space is needed for the Märklin-Sprint racing track. The course is quickly assembled with reliable, rigid mechanical and electrical connections between the track sections, thanks to the hinged locking couplings and spring conductor contacts. Although no retaining clips are used, the track will stand up well to extended hard racing. The track can be extended to two, four or six lanes, with long straightaways or many banked or unbanked curves. Inclines, overpasses, lane crossovers, with or without automatic braking sections, can be incorporated. Lap counters will indicate the number of laps covered. A comprehensive range of accessories is available to build up the most varied racing circuits, with strong crash barriers for "protection" where necessary. Every Märklin racing car is a miniature masterpiece. The high-speed motor is favorably located at the centre of gravity, providing excellent road holding. Some of the cars have precision stepped gearing attached to the motor which lies lengthwise, giving particularly sensitive response to all voltage variations. It provides short, sharp braking **before** curves and fast acceleration **in** the curves.

Other sprint cars, those with motors lying transversely, reach very high speeds in the straights, so that they can do very fast lap times, particularly on lengthy layouts with few curves.
Another feature typical of the superior Märklin quality is the solid, short skid-type pickup with compensating suspension system. This ensures positive contact and reliable and maintained power supply, with the feeder rails and pickups cleaning themselves at the same time.
The tires of the car can be changed and adapted to the surface characteristics of the track.
The speed controller is designed to provide infinitely variable speed regulation, or to increase speed by steps. In addition, by using the built-in emergency stop-button, you can develop your own individual driving technique. The speed controller lead can be connected to the track at the point which seems to the "driver" to be tactically the most favorable.
A host of valuable hints and tips for designing exciting courses are contained in the interesting Märklin-Sprint Manual. It also covers various "racing rules" for different types of racing on your own track, providing thrilling entertainment for all participants, young and old alike. Running the small fast racing cars with the merry, exciting struggle for victory is something quite different from the creative planning which characterises model railways as a hobby. Because these two hobbies are so basically different, they complement one another, as a change.

Gift Sets



Märklin-Sprint automobile racing tracks are fitted with suppressors to meet the regulations, and are marked to that effect.



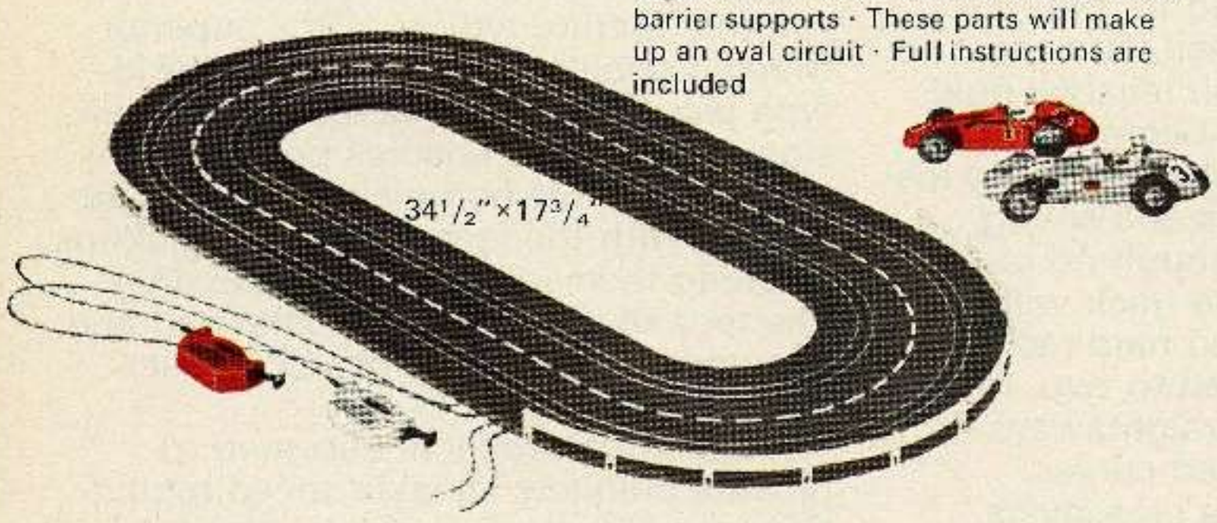
All Märklin-Sprint sets come in attractive gift boxes. Ask your local dealer for the racing track sets with this picture.

Märklin sprint

Racing track sets 1:32

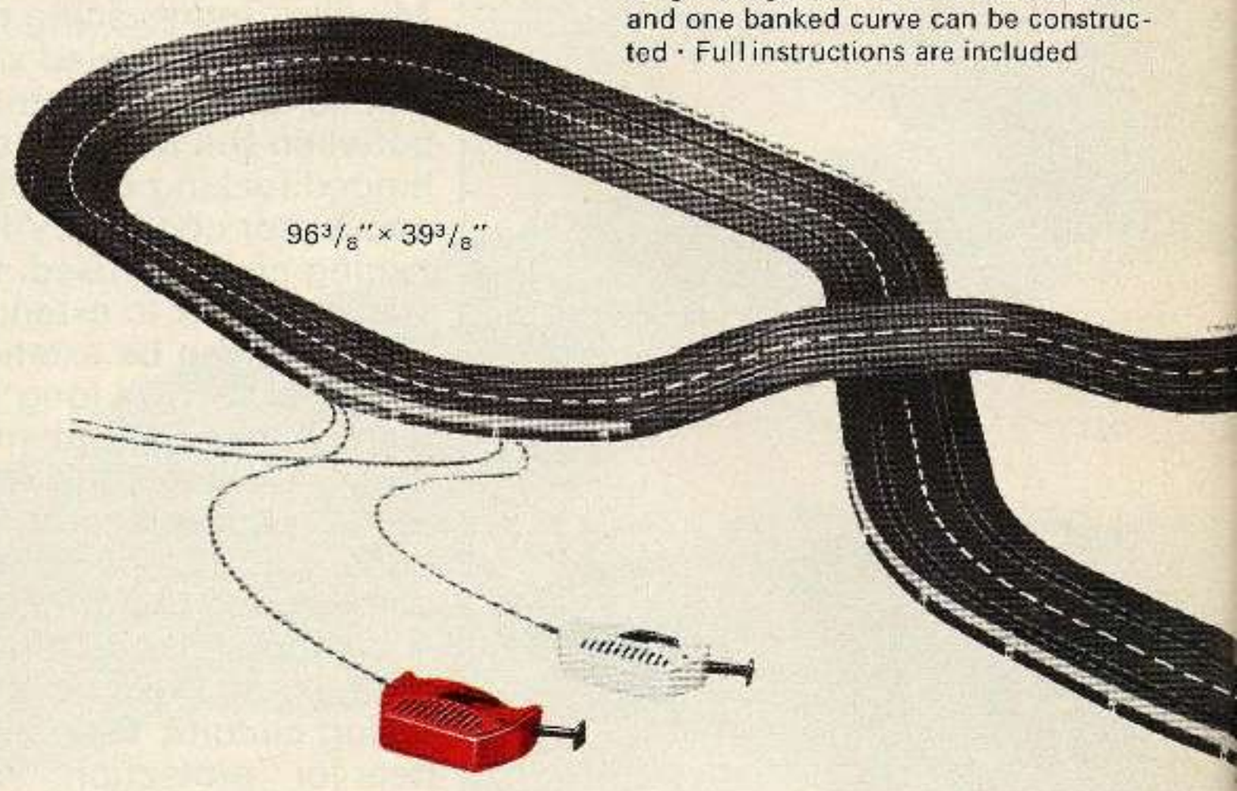
1400

1400 Racing track set · Comprising two formula racing cars, one Mercedes Monoposto and one Ferrari Supersqualo, two speed controllers, one red and one grey, 4 straight course sections 1200 and 4 curved course sections 1220, together with crash barriers and 20 crash barrier supports · These parts will make up an oval circuit · Full instructions are included



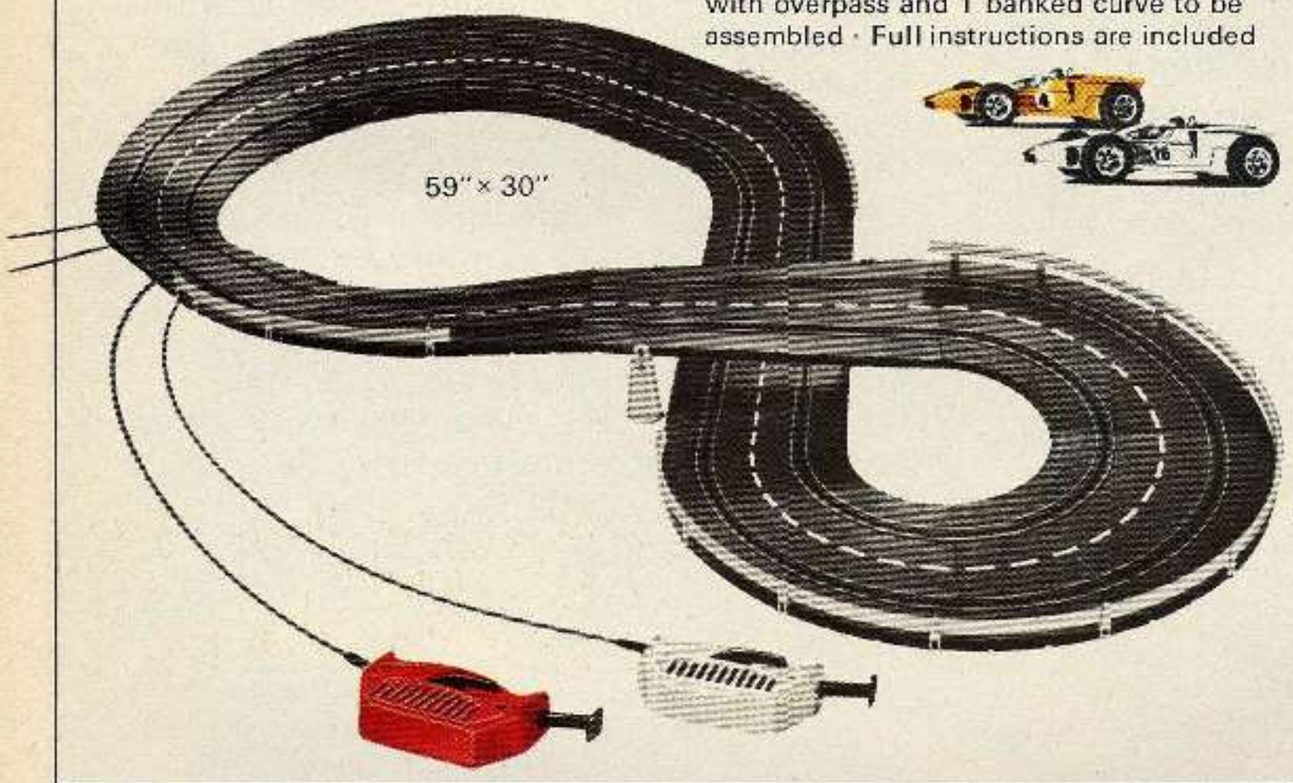
1405

1405 Racing track set with 1 banked curve · Comprising 1 white and 1 orange-coloured Mercedes C 111, 1 red and 1 grey speed controller, 2 straight course sections 1200, 4 straight course sections 1201, 2 straight sections 1205, 8 curved course sections 1241, 4 banked curve sections 1248, 2 banking approach course sections 1290, 2 levelling out sections for end of banking 1291, crash barriers, 30 crash barrier supports, 4 fishplates 1547 and 2 clips · With these parts, a figure-eight course with an overpass and one banked curve can be constructed · Full instructions are included

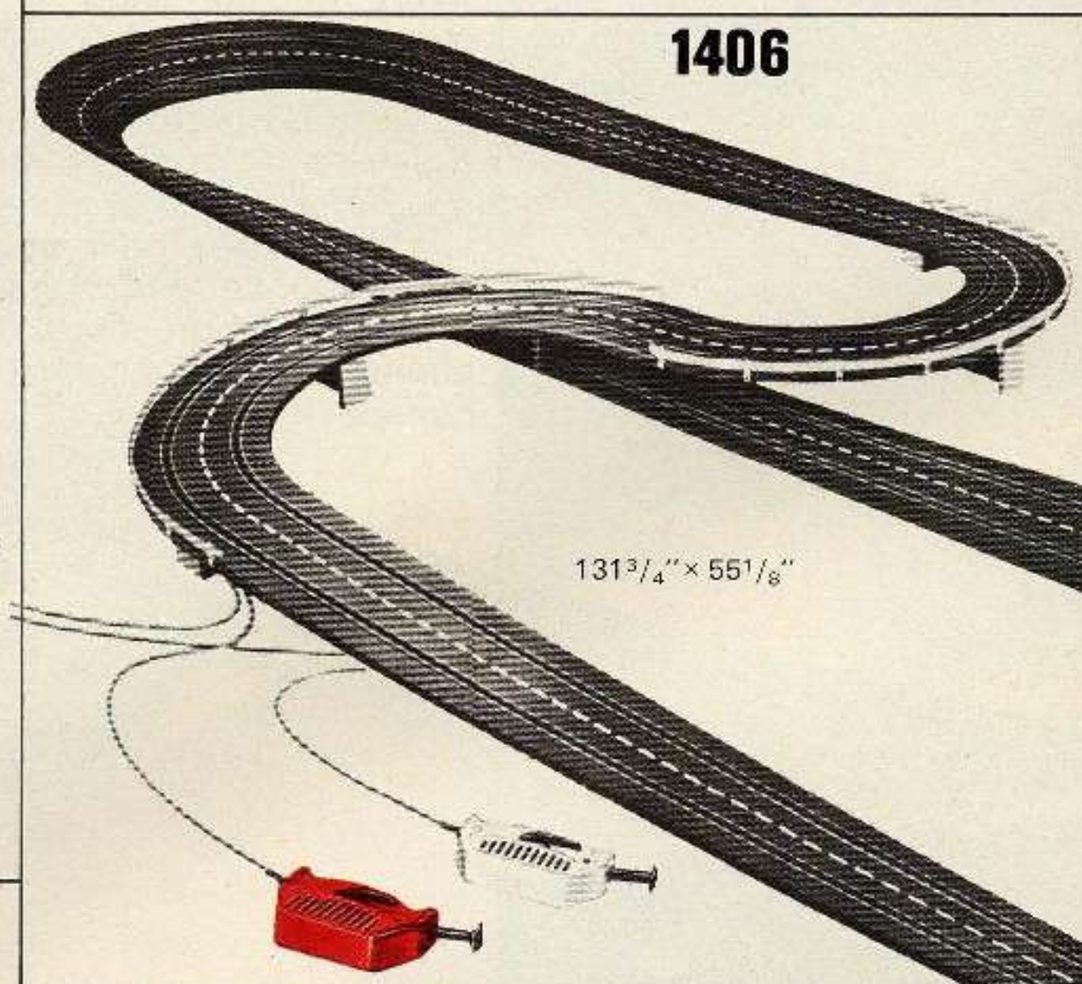


1409

1409 Racing track set with 1 banked curve · Comprising 2 Mc Namara racing cars, 1 red and 1 grey speed controller, 2 straight course sections 1200, 2 straight course sections 1201, 2 straight course sections 1206, 3 curved course sections 1220, 2 curved course sections 1241, 4 banked curve sections 1248, crash barriers, 19 crash barrier supports, 3 banked curve supports and 1 fishplate 1547 · These parts enable a figure-eight course with overpass and 1 banked curve to be assembled · Full instructions are included



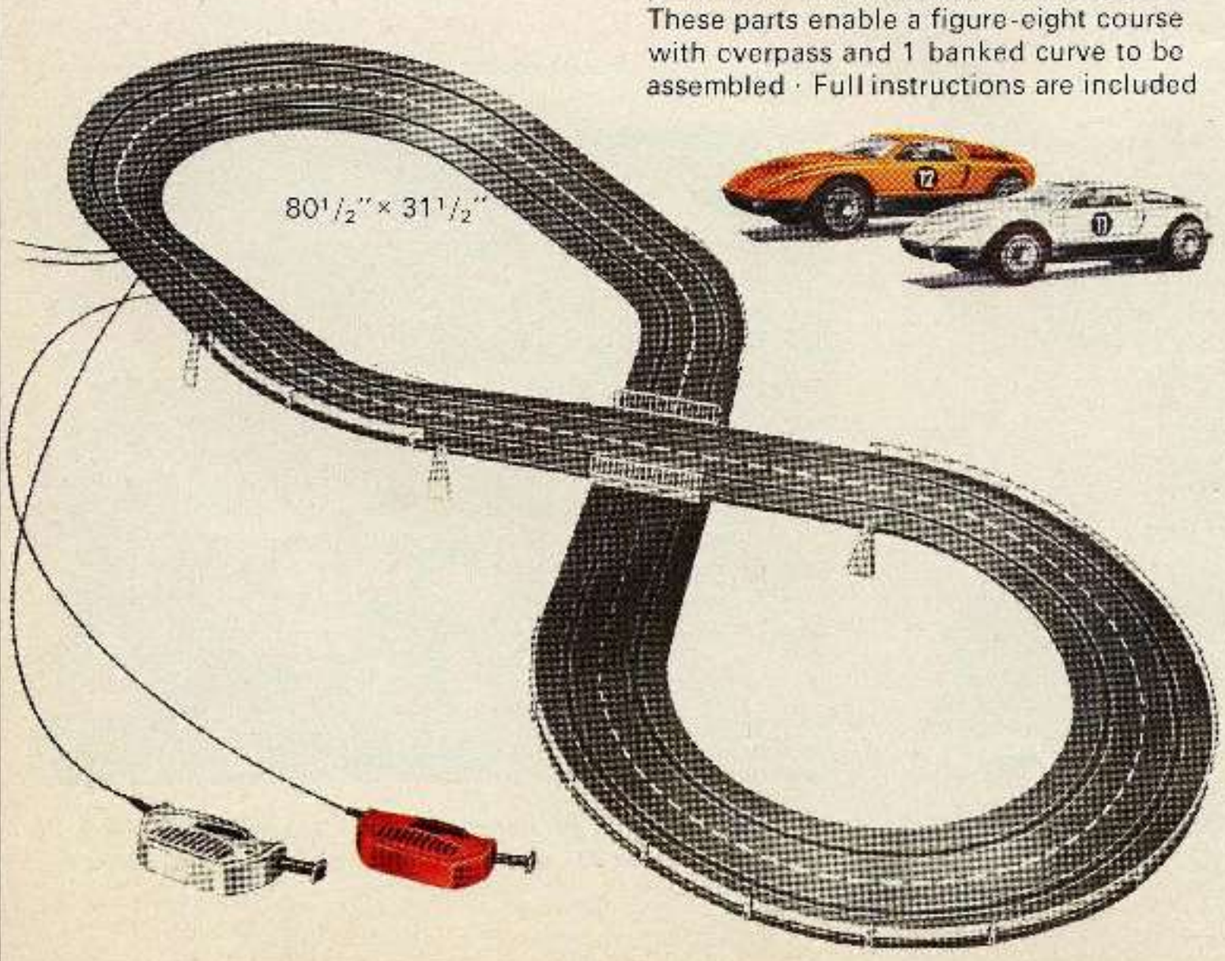
1406



1406 Racing track set with 2 banked curves · Comprising 1 white Chaparral sports car, 1 orange-coloured open sports car, 1 red and 1 grey speed controller, 4 straight course sections 1200, 10 straight course sections 1205, 8 curved course sections 1241, 8 banked curve sections 1248, 2 each of piers 1 1/16", 1 7/8" and 2 3/8" high, crash barriers, 30 crash barrier supports and 4 bank curve supports · These parts enable a large figure-eight course with an overpass and two banked curves to be assembled · Full instructions are included

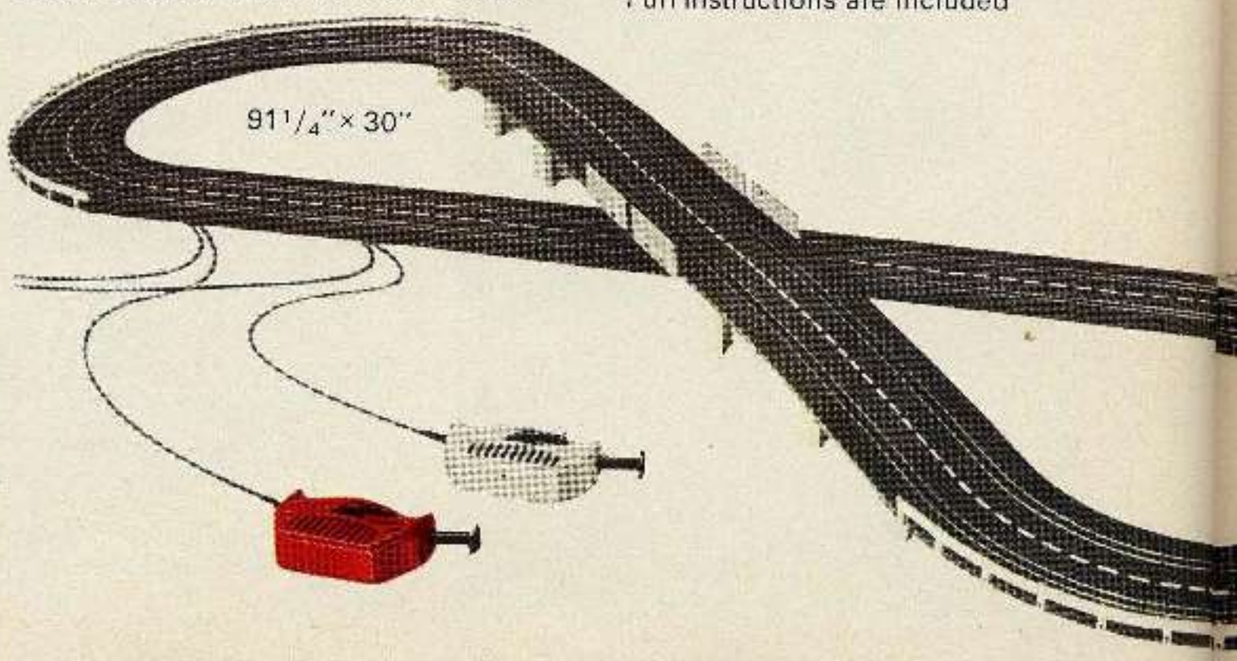
1412

1412 Racing track set with 1 banked curve · Comprising 2 Mercedes C 111 sports cars, 1 red and 1 grey speed controller, 2 straight course sections 1205, 4 straight course sections 1206, 8 curved course sections 1241, 4 banked curve sections 1248, crash barriers, 22 crash barrier supports, 2 bridge parapets, 1 fishplate 1547 and 5 banked curve supports These parts enable a figure-eight course with overpass and 1 banked curve to be assembled · Full instructions are included



1410

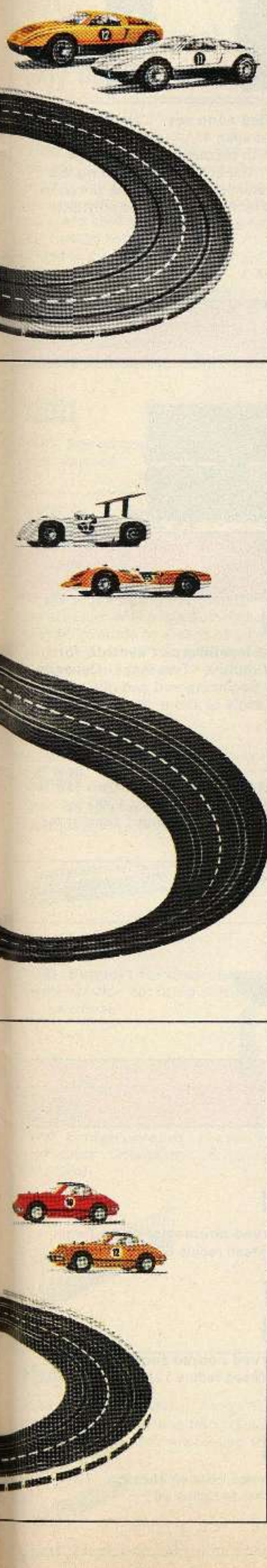
1410 Racing track set · Comprising 2 Porsche 911 T Targa Sports cars, 1 red and 1 grey speed controller, 4 straight course sections 1205, 4 straight course sections 1206, 10 curved course sections 1241, 2 each of piers 1 1/16", 1 7/8" and 2 3/8" high, 4 bridge parapets, crash barriers and 50 crash barrier supports · These parts enable a large figure-eight course with overpass to be assembled · Full instructions are included



Märklin Sprint

Racing and sports cars 1:32

The front wheels are steered by the slots in the course. Accurate reproduction of the suspension arm assembly. Current pickup by 2 sprung skids.



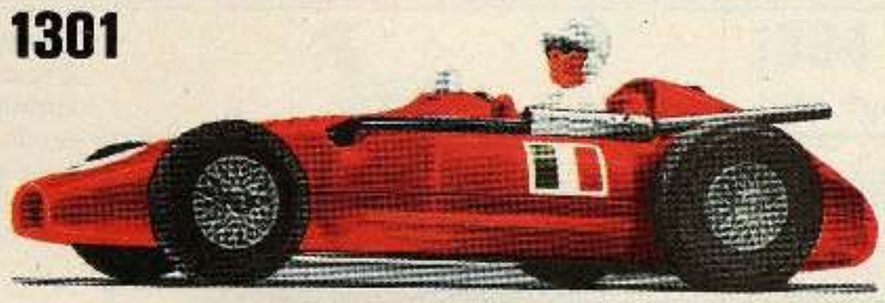
1300 Formula racing car · A model of the Mercedes W 196 Monoposto · Driven through multi-ratio gear-box · Silver-color plastic body · 5" long · Spare tires for this car: front 1500, rear **1501** or 1504

1300



1301 Formula racing car · A model of the Ferrari Supersqualo · Driven through multi-ratio gear-box · Red plastic body · 5" long · Spare tires for this car: front 1500, rear 1501 or 1504

1301



1305 Sports car · A model of the Porsche Carrera 6 · Driven through multi-ratio gear-box · Red plastic body · Cockpit enclosed by clear plastic hood · $5^1/_8$" long · Spare tires for this car: front 1500, rear 1503

1305



1308 Sports car · A model of the Jaguar E-type · Swing front axle · Driven through spur gears · Red plastic body · Inset windows · $5^1/_4$" long · Spare tires for this car: front 1500, rear 1503

1308

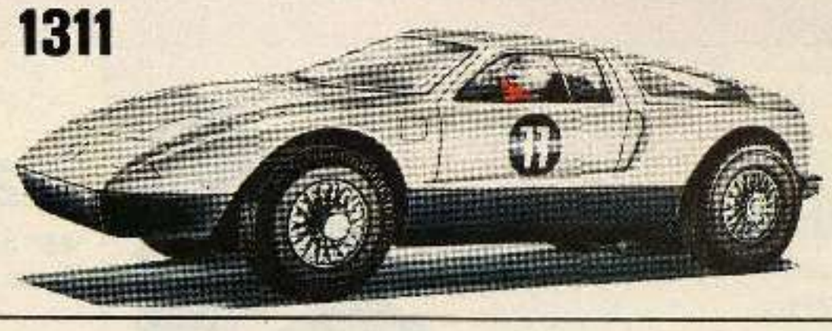


1310 Sports car · A model of the Porsche 911 T Targa · Swing front axle · Driven through spur gears · Orange plastic body · Inset windows · 5" long · Spare tires for this car: front 1500, rear 1503

1310

1311 Sports car · A model of the Mercedes C 111 · Swing front axle · Driven through spur gears · White body · Black chassis · Inset windows · $4^3/_4$" long · Spare tires for this car: front 1500, rear 1503

1311



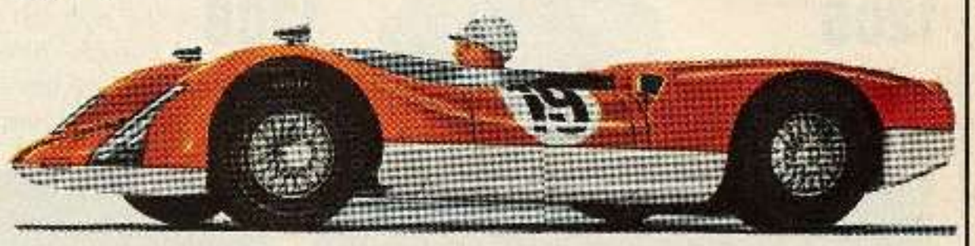
1312 Sports car · Construction as for 1311, but orange body

1312



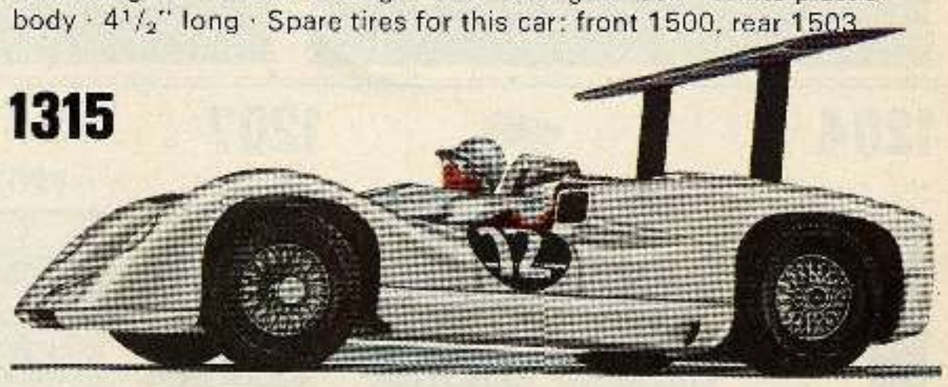
1314 Sports car · Construction as for 1305, but with open cockpit with wind-shield · Orange body · White chassis · $5^1/_8$" long

1314



1315 Sports car · A model of the Chaparral 2 E with rear stabilising fin · Driven through multi-ratio gear-box · White plastic body · $4^1/_2$" long · Spare tires for this car: front 1500, rear 1503

1315



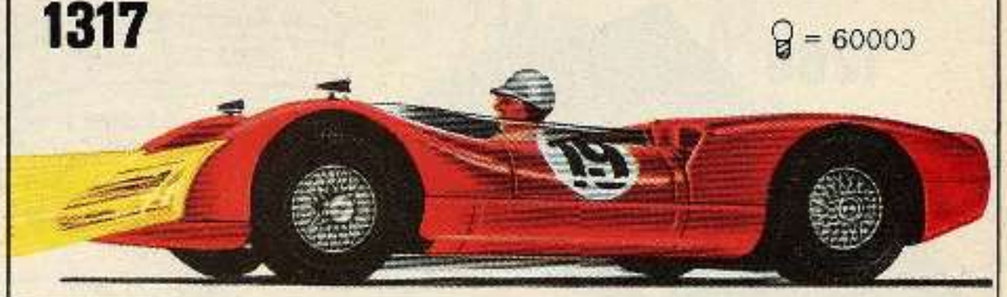
1316 Sports car · A model of the Porsche Carrera 6 · Driven through multi-ratio gear-box · Silver-color plastic body · 2 working headlights · Cockpit enclosed by clear plastic hood · $5^1/_8$" long · Spare tires for this car: front 1500, rear 1503

1316 = 60000



1317 Sports car · Construction as for 1316, but with open cockpit with wind-shield · Red plastic body · $5^1/_8$" long

1317 = 60000

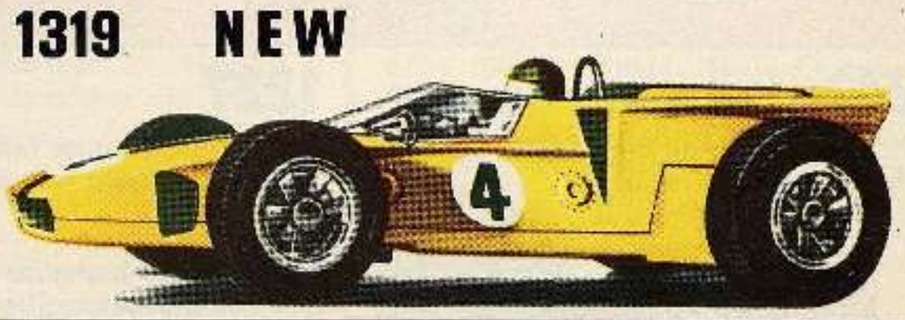


1318 Sports car · Porsche 911 T Targa as police car · **Flashing blue light** · Swing front axle · Driven through spur gears · Green and white plastic body · Inset windows · 5" long · Spare tires for this car: front 1500, rear 1503

1318 = 60209

1319 Racing car · A model of the Mc Namara · Driven through spur gears · Yellow plastic body · $4^7/_8$" long · Spare tires for this car: 1505

1319 NEW



1320 Racing car · A model of the Lola T 222 · Driven through spur gears · Plastic body · 5" long · Spare tires for this car: 1505

1320 NEW



Märklin sprint

Course sections 1:32

Straight sections

Two lanes · With feeder connection

All course sections are made of rigid plastic with slots for guiding the cars, current being supplied to the cars by contact rails arranged on both sides of the slots. Snap-on links couple the sections of track together. No additional braces are required. The sections are black with a broken white line in the center.

1205

$16^3/_4$" long (twice the length of 1200)



1206

12" long (twice the length of 1201)



1200

$8^3/_8$" long



1201

6" long



1202

$4^3/_{16}$" long



1203

$2^9/_{16}$" long

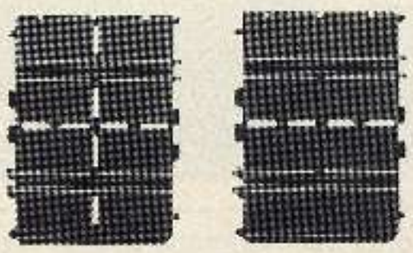


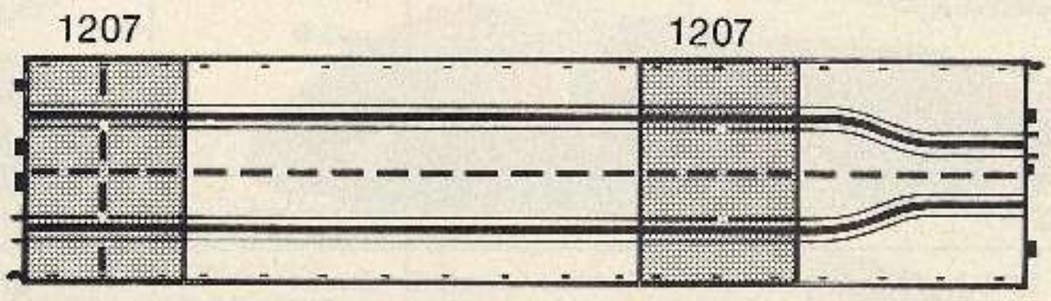
1204

$1^3/_4$" long



1207



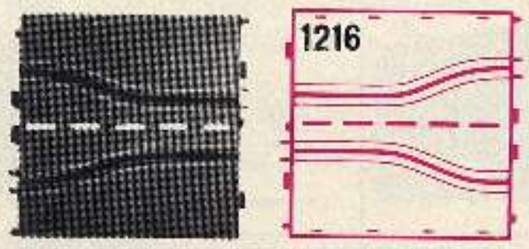


Controlled zone set · Comprising 2 sections each $4^1/_8$" long · For use at approach to chicane or lane-change sections · The first vehicle entering this zone automatically cuts off the power to the other lane and restores it only after leaving the controlled zone

Chicane, straight section

1216

Chicane, straight section · Two lanes · Track spacing reduced from 3" to $1^1/_2$" · 6" long · **2 such track sections are necessary**

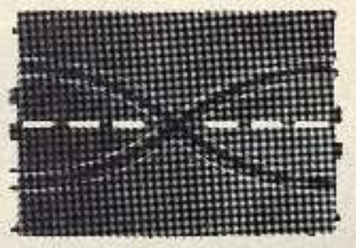


Change lane section, straight

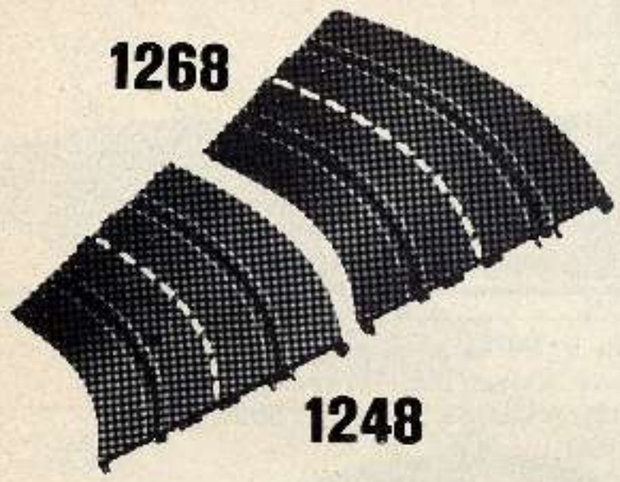
Change lane sections (1217, 1227, 1247) cannot be used singly · They must either be used in pairs, or in combination with one another.

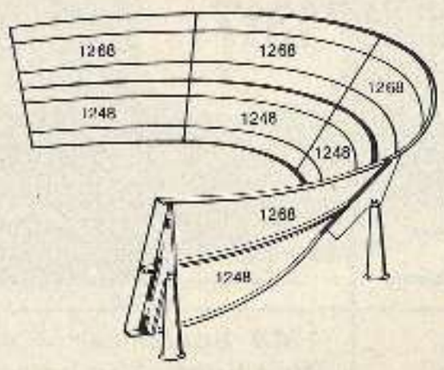
1217

$8^3/_8$" long · Two lanes · The crossing conductor rails are electrically separated from one another



45° banked curved course sections





1268

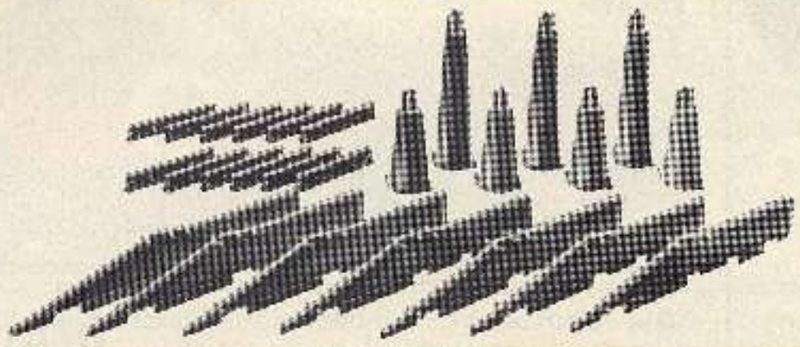
45° banked curved course section · Two lanes · Mean radius 18"

1248

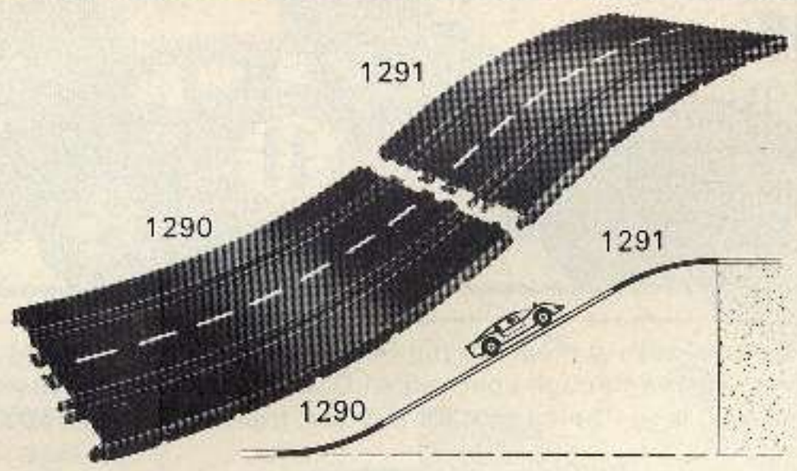
45° banked curved course section · Two lanes · Mean radius 12"

1546

Set of banked curve supports · Comprising 7 cross supports, 3 columns 5" high, 4 columns 3" high and 12 connectors · Plastic · Required for 4 lane banked curves



Inclines



1290

Straight levelling out section for start of incline · Two lanes · Concave pattern · Beginning and end of track form an angle of about 30° · $8^5/_8$" long

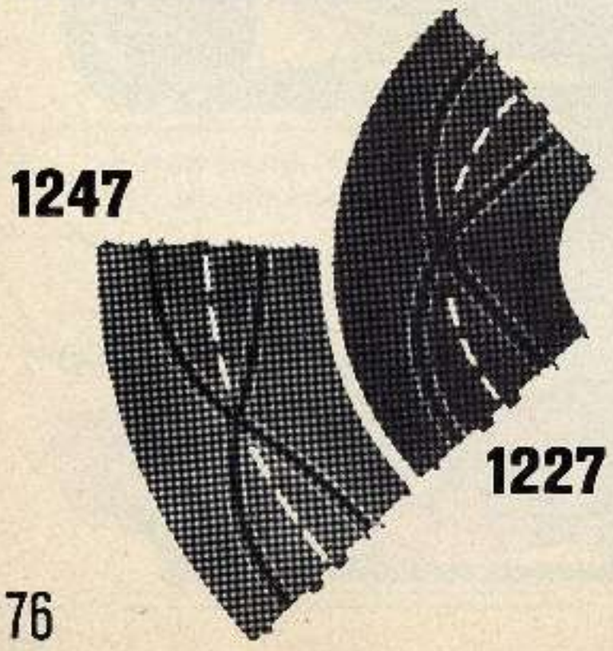
1291

Straight levelling out section for end of incline · Similar to 1290 but convex pattern · Including **1** bracket for stiffening the section

Curved change lane sections

1247

45° curved change lane section · Two lanes · Mean radius 12"



1227

90° curved change lane section · Two lanes · Mean radius 6"

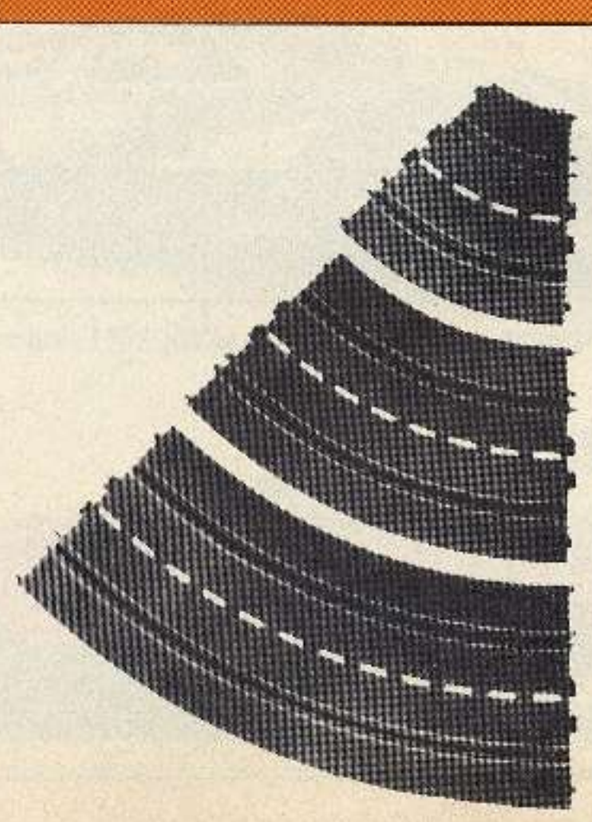
The crossing conductor rails are electrically separated frome one another.

1220

90° curved course section · Two lanes · Mean radius 6"



Curved course sections



1221

45° curved course section · Two lanes · Mean radius 6"

1241

45° curved course section · Two lanes · Mean radius 12"

1261

45° curved course section · Two lanes · Mean radius 18"

Märklin Sprint

Racing track accessories 1:32

6930 = 220 volt
6934 = 220 volt for Finland

6930/6934 Märklin-Sprint power supply unit for use on 220 volt AC · Output about 14 volts DC · Power output 10 watts · Overload protection by means of automatic current limiter · Sheet metal case · On the output side, 2 pairs of sockets market "Auto 1" and "Auto 2" · Weight $2^1/_4$ lb · Dimensions $5" \times 3^3/_4" \times 2^3/_{10}"$



Important: Sprint racing cars must only be operated with D. C. supply.

1592

1592 Rectifier · For use in conjunction with Märklin railroad transformers · Dimensions $2^1/_4" \times 2" \times {}^5/_8"$ · D.C. supply for operating up to 4 cars simultaneously can be taken from the two pairs of sockets "Auto 1" and "Auto 2" · The transformer to be used must be rated 16 VA or more



The use of this power supply unit 6930/6934 is recommended. If Märklin railroad transformers are used, **it is essential** *to connect the rectifier 1592 between the transformer and the speed controller.*

1590

1590 Speed controller with connecting fittings · Grey · Ergonomic design · Control key will engage to set varicus speeds · An emergency stop-button enables the power to be disconnected without losing the control key setting · **Built-in suppressor condenser** · The fittings comprise connector plate with a 2-core lead 4'9" long to the speed controller and another 2-core lead, 3'3" long with plug for connecting to the power supply unit · A speed controller must never be used for more than one car at a time



1591

1591 Speed controller · Similar to 1590, but red

1594 NEW

1594 Speed controller with connecting fittings · Large version · 40 Ohms · Electrodynamic brake effective with press key in position of rest · **Built-in suppressor condenser** · The fittings comprise the connecting plate with a 3-core lead to the speed controller and a two-core lead with plugs for connecting to the power supply unit · A speed controller must never be used to control more than one car at a time



1593 NEW

1593 Starting clock · To be connected between the power supply unit and the racing track layout · Interrupts the power supply to the racing track layout when the set time, which is adjustable between 0 and 5 minutes by means of a knob, has elapsed · The "off" is given by passing the red "start" button



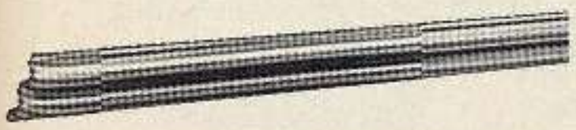
1545

1545 Mechanical lap counter · Mounted on a 2-lane section $4^1/_{10}"$ long · Displays up to 99 laps for each lane in either direction · Can be zeroed by hand · 5" high · 6" wide · **A section 1202 is required to compensate for the length** · On multi-lane courses, several lap counters can be arranged in line, side by side



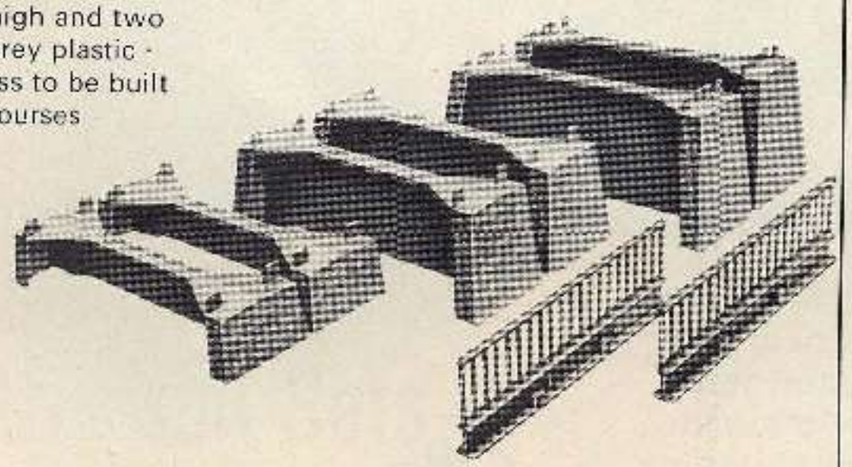
1540

1540 Crash barrier · Flexible corrugated plastic section · White · 6'3" long



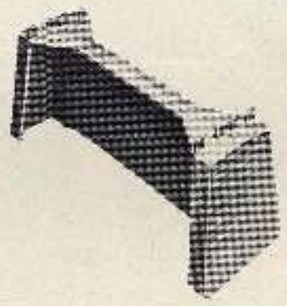
1542

1542 Construction kit for overpass · Comprising 2 piers $1^1/_{15}"$ high, 2 piers $1^9/_{16}"$ high, 2 piers $2^2/_5"$ high and two bridge parapets · All parts grey plastic · Enables a very solid overpass to be built spanning even multi-lane courses



1543

1543 Pier · $2^2/_5"$ high · Grey plastic · Mounting stubs on top engage in course sections



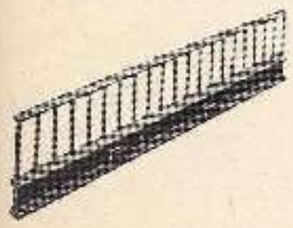
1541

1541 Support for crash barrier · White plastic · For fixing crash barrier to the course



1544

1544 Bridge parapet · For reinforcing overpasses · Grey plastic · $5^3/_{10}"$ long · $1^1/_2"$ high



1547

1547 Fishplate · $2^9/_{10}"$ long · Black plastic · For connecting two adjoining straight sections and reinforcing the joints



Tire sets

1500

Comprising 2 rubber tires 20.5 mm diam. ×6 mm · For models 1300, 1301, 1305, 1308, 1310, 1311, 1312, 1314, 1315, 1316, 1317, 1318

1501

Comprising 2 rubber tires, 23 mm diam. ×7 mm · For models 1300, 1301

1503

Comprising 2 rubber tires, 20.5 mm diam. × 7.6 mm · For models 1305, 1308, 1310, 1311, 1312, 1314, 1315, 1316, 1317, 1318

1504

Comprising 2 rubber tires, 24 mm diam. × 8.4 mm · For models 1300, 1301

1505 NEW

Comprising 2 rubber tires, 20.5 mm diam. ×8.5 mm · For models 1319, 1320

Adaptation pick-up skids

1510

(1 pair) · Mount-on pick-up skids for Märklin Sprint cars to adapt them for tracks of other makes

Motor Brushes

60 146

Set of two brushes for Märklin-Sprint car motors

0751

0751 Märklin Sprint Racing Track Manual, with suggestions for designing racing courses · Includes rules for racing and interesting illustrations · 44 pages · Format $8^1/_4" \times 11"$



engl.

Märklin rak

Miniature automobiles Scale 1:43



Märklin miniature automobiles made of die-cast zinc with moving parts and special wheel fittings

These models are precision engineered down to the last detail. Opening doors, hoods and trunk lids etc., glazed windows. Full interior fittings. "rak" models have a special finish to ensure particularly smooth running. "rak" — that is **R**eal **A**utomobile **K**nack.

Ask your dealer for the special prospectus giving the complete range of Märklin "rak" miniature automobiles.

1973 Range

1800	Porsche 911 T Targa
1801	BMW 2000 CS
1802	Chaparral 2 F
1803	Ford OSI 20 MTS
1804	BMW 2800 CS
1805	VW-Variant 1600
1807	VW-Variant 1600 — fire brigade
1808	VW-Variant 1600 — ADAC — road assistance vehicle
1809	VW-Variant 1600 — Red Cross ambulance
1810	Porsche 910
1811	NSU Ro 80
1812	BMW 1600 GT
1813	Mercedes C 111
1814	BMW 3000
1815	Porsche 907
1816	Matra M 530
1817	Mercedes 250
1818	Chevrolet Corvette
1819	BMW 2002 ti
1820	BMW 2500
1821	Audi 100 LS
1822	Ford Capri 2300
1823	VW-Variant 1600 — Police
1824	Caravan
1825	VW 411
1826	VW-Porsche 914
1828	Mercedes 250 — Police
1829	Mercedes 250 — Taxi
1830	Unimog platform
1831	Unimog platform with accessories, 6 parts
1834	Audi 100 coupé
1835	Opel Manta
1837	VW K 70
1838	Model Rally 1600 GT
1839	Mercedes 350 SL



Märklin Metal Construction Sets with real bolt assembly

Märklin Metal Construction Sets- Prepare for the future while playing

The technology of the future will determine the quality of life to such an extent that it is as well for the young to prepare themselves for it early.
Märklin metal construction sets provide a good way of learning about technical things while playing. Their recognised advantages reside on the one hand, in the educationally well thought-out system of five basic sets, each intended for a particular age group and, on the other hand, in having the right parts accurately reproducing those used in practice and assembled with real bolts, again as in practice.
This grading by age and technical realism are very important factors. They mean that a child as young as five, while playing, becomes aware of the very simple relationships and can continue and increase his knowledge until he has a clear conception of the laws of mechanics and (from set 1013 on) of electricity, and this is always with due regard to his age, and as his set is being built-up with supplementary sets.
A Märklin set not only arouses enthusiasm because of its unlimited possibilities and realistic components, but it is of real assistance in providing practical knowledge.

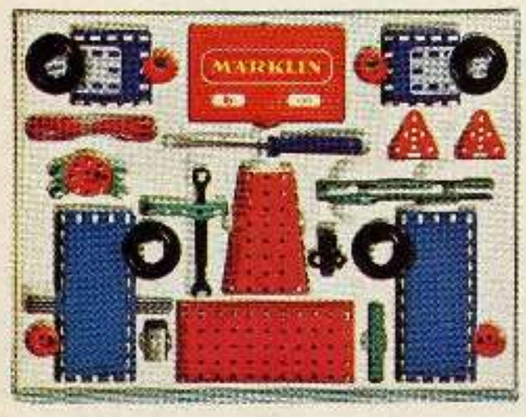
Märklin

Metal Construction Sets

Märklin metal construction sets with real bolt assembly

1010

1010 Basic Set for children from 5 year upwards · Comprising 176 construction parts · Size 16"×12"×1¼" · Weight 2 lbs. 5 oz. · The instruction book even with this smallest set, shows more than 90 models which can be built, including small trucks, windmills, cranes, etc. · In the process, it teaches what pulley blocks, gear ratios and couplings are · Can be made up to Basic Set 1011 by adding Supplementary Set 1030



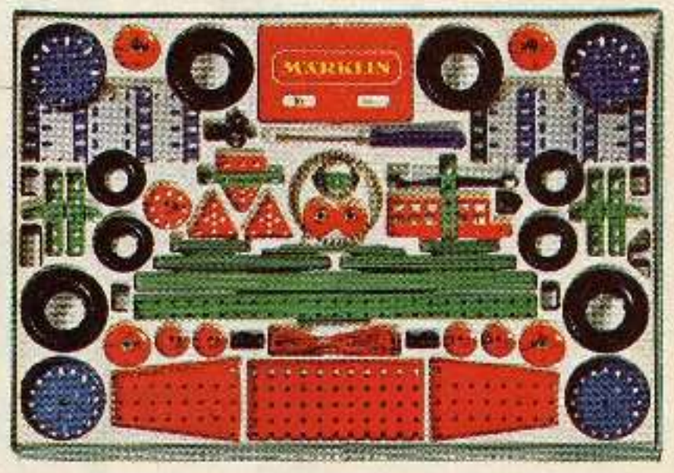
1011

1011 Basic Set for children from 6 years upwards · Comprising 242 construction parts · Size 20¼"×13¾"×1¼" · Weight 3 lbs. 14 oz. · All sorts of mechanical models can be built with this set, the range extending from scooter to logging truck, from weighing-machine to cable car, from excavator to mobile crane, with everything true to the originals and fully working · Can be built up to Basic Set 1012 by adding Supplementary Set 1031



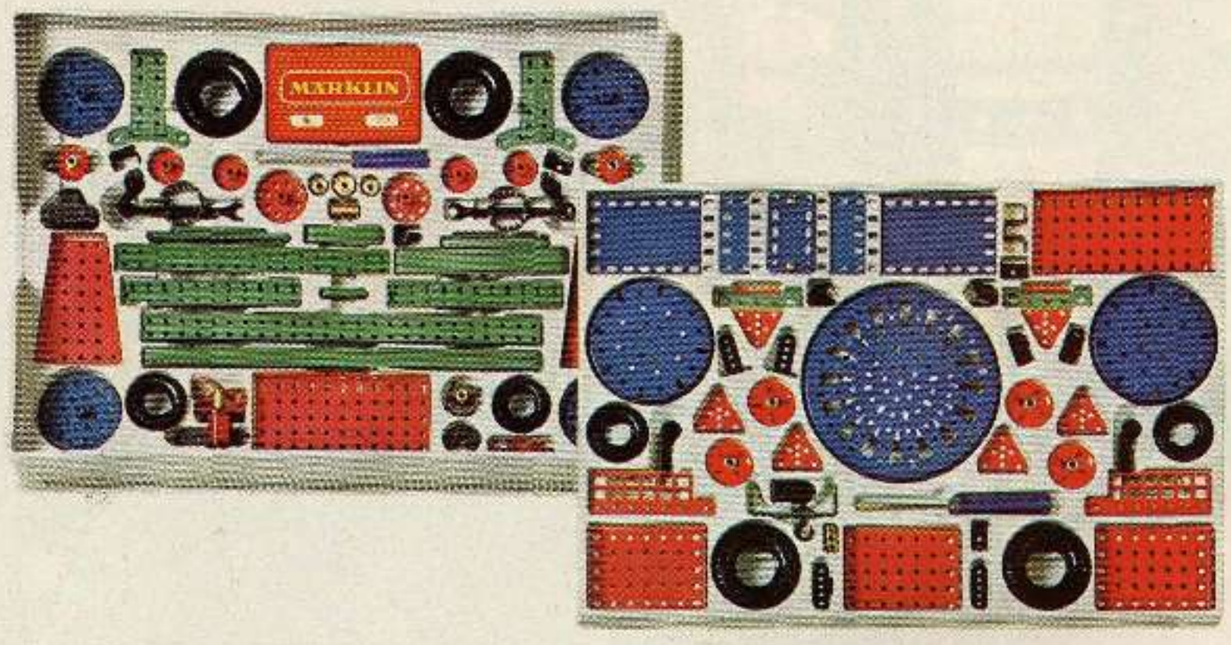
1012

1012 Basic Set for children from 7 years upwards · Comprising 396 construction parts · Size 20¼"×13¾"×1½" · Weight 6 lbs. 13 oz. · Set 1012 enables still more detailed models to be built, such as diesel locomotives, large trucks, tower cranes, windmills, drilling rigs, etc. · A good appreciation of the laws of mechanics is achieved · Can be built up to Basic Set 1013 by adding Supplementary Set 1032



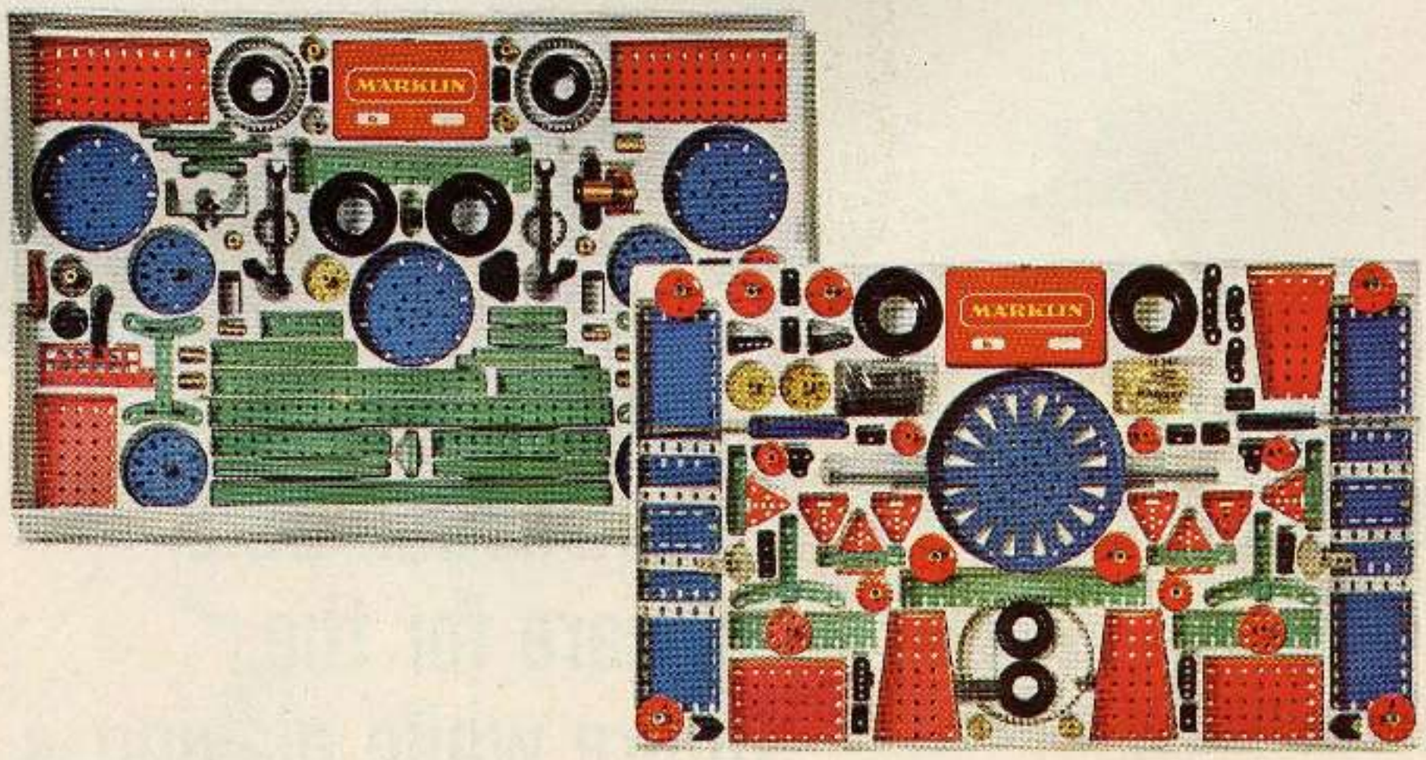
1013

1013 Basic Set for children from 10 years upwards · Comprising 703 construction parts · Size 20¾"×14¼"×2⅝" · Weight 11 lbs. 11 oz. · From this set onwards, electrical components are included, such as commutator, solenoid, cable, etc. · A "Short Course in Electricity" gives an introduction to the principles of electricity and elctromagnetism and many models enable this knowledge to be applied · Can be built up to Basic Set 1014 by adding Supplementary Set 1033



1014

1014 Basic Set for children from 10 years upwards · Comprising 1006 construction parts · Size 25¼"×16⅝"×2⅝" · Weight 16 lbs. 4 oz. · The contents of this set are for enthusiasts, young and old alike · The capabilities at this stage include impressive models built up out of hundreds of separate parts · It is also possible to make mechanical and physical models based on strictly scientific principles · Can be built up one stage further by adding Supplementary Set 1034



Märklin Metal Construction Sets are high quality proprietary articles.

Märklin

Supplementary Sets

Any basic set can be built up to the next larger one by adding a supplementary set, whose contents added to the existing basic set make up the new larger basic set. If e. g. you have Basic Set 1010 and would like to bring it up to the Basic Set 1011, then you would require Supplementary Set 1030.

Apart from the supplementary sets mentioned above, any Märklin metal construction set can be extended by individual parts if your set does not have enough parts for a particular model you wish to make, or by special parts which are not included in your set. A special list of these parts, as well as the parts themselves, can be obtained from any toy shop which stocks Märklin products.

In brief:

Supplementary Set **1030**
converts Basic Set 1010 into Set 1011

Supplementary Set **1031**
converts Basic Set 1011 into Set 1012

Supplementary Set **1032**
converts Basic Set 1012 into Set 1013

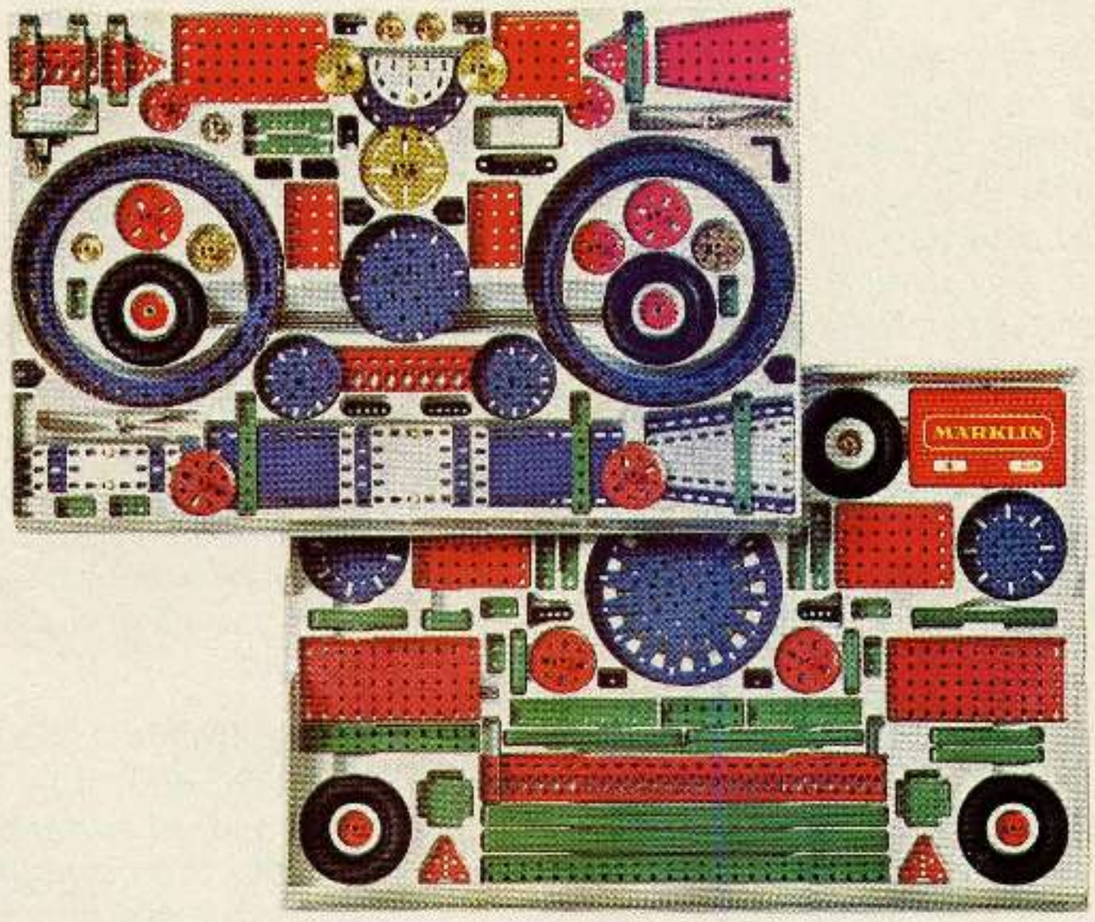
Supplementary Set **1033**
converts Basic Set 1013 into Set 1014

Number of construction parts in the Märklin metal construction sets

Basic Set No.	Number of Parts	Supplementary Set No.	Number of Parts
1010	176	1030	67
1011	242	1031	164
1012	396	1032	308
1013	703	1033	307
1014	1006	1034	1100

1034

1034 Supplementary Set extends Basic Set 1014 a stage further



Individual Parts Sets **NEW**

←1040



1040 Individual **Parts Set** · Comprising flat strips, bolts and nuts

1041



1041 Individual Parts Set · Comprising connecting pieces such as bearing yoke, double angle, angle piece, guide fork and flat piece

←1042



1042 Individual **Parts Set** · Comprising flat strips, connecting and bearing bracket

1043



1043 Individual Parts Set · Comprising angle supports, bolts and nuts

←1044



1044 Individual **Parts Set** · Comprising shafts of various lengths, setting rings and hand crank

←1045



1045 Individual **Parts Set** · Comprising cord pulleys, rubber tires, shafts and setting rings

1046



1046 Individual Parts Set · Comprising curved strips, nuts and bolts

←1047



1047 Individual **Parts Set** · Comprising bearing plates, nuts and bolts

1048



1048 Individual Parts Set · Comprising bearing brackets, supporting brackets, branch connections and connecting pieces

←1049



1049 Individual **Parts Set** · Comprising long and short bolts with nuts

Electric Motors for use with Construction Sets

It is a particular pleasure to any youngster to construct models in accordance with the Instruction Book or his own ideas and to see them work "automatically".

The two electric motors illustrated can be used to power models in this way, including those assembled from the smallest Basic Set.

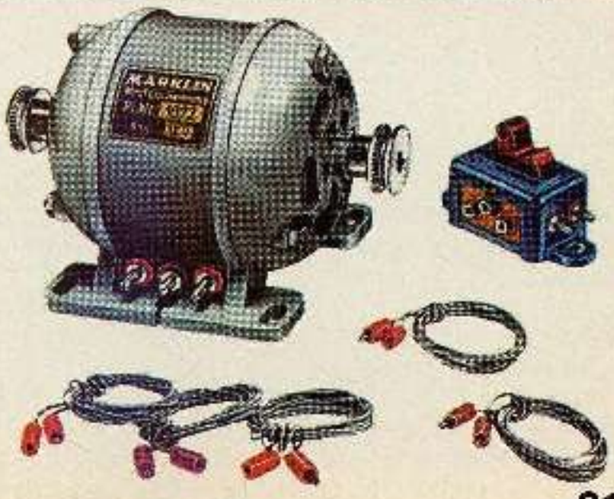
1071

1071 Electric Motor · Reversible, to run in either direction · No-load speed about 1500 rpm · Runs on 16 volts, so it can be connected to any Märklin H0 gauge railroad transformer · Accessories: 2 leads · 2 1/2" high · 2" wide · 2" long · Weight 7 oz.



1072

1072 "Elex" Electric Motor · 16 volt · With lead and reversing switch · Two cord pulleys running in opposite directions at different speeds which are variable by the transformer · No-load speeds 3000 and 1100 rpm · Extremely powerful motor suitable for driving the largest models made up from the construction sets, as well as working models of all types · 3 connecting plugs · 2 1/2" high · 3 3/4" long · 2 1/2" wide · Distance between pulley grooves 3 1/2" · Weight 23 1/2 oz.



Märklin plus

A perfect construction kit system for play and hobby

NEW

Märklin plus is a new construction kit system for play and hobby.

High-grade plastics are used for the building blocks, finished with Märklin precision.

The building blocks can easily and quickly be plugged together and separated again, by means of press-button type fastenings.

Märklin plus caters for all age groups. Without any design modification, Märklin plus is suitable for toddlers, children, teenagers and grown-ups, and of course also for the demanding do-it-yourself enthusiast.

And here is something else:

Children want to play

They get pleasure in playing with toys. The more different ways a toy can be played with, the greater and more lasting is the pleasure.

Children need to play

Playing is their first and most important source of experience. Nowadays it is necessary to come to know about the world of technology as early and thoroughly as possible.

Children need suitable technical toys

No limits must be imposed on the inventiveness of children. They need material which promotes both imagination games and also logical technical design.

Children need Märklin plus

With Märklin plus we make it possible to grasp, to experience, and finally to master, the principles of engineering, while playing.

Electronic modules in preparation



Märklin plus

Basic sets with basic and wall-building blocks

A



9000

9000 Basic set · Comprising basic and wall build ng blocks of various sizes and colours, and also door, windows and a base plate for building simple structures and small houses with flat roofs

9001

9001 Basic set · Comprising basic and wall building blocks of various sizes and colours, and also door, windows and a base plate for building small houses with flat and sloping roofs

9002

9002 Basic set · Comprising basic and wall building blocks of various sizes and colours, and also door, windows, sets of wheels and base plates for building houses and vehicles

9003

9003 Basic set · Comprising basic, wall and corner building blocks of various sizes and colours, and also doors, windows, sets of wheels and base plates for constructing buildings of all kinds and vehicles

9004

9004 Basic set · Comprising a wide selection of basic, wall and corner building blocks of various sizes and colours, and also doors, gateway, windows, sets of wheels and base plates for constructing buildings, garages and vehicles

AB

9500

9500 Basic set · Comprising a rich assortment of a large variety of building and bearing blocks, and also bars, shafts, wheels, door and windows for constructing buildings and mechanical models · Instruction book is included





Märklin plus

Basic sets with basic building blocks, narrow blocks and bearing blocks

B



9100

9100 Basic set · Comprising basic building blocks, narrow blocks and bearing blocks, and also wheels, for constructing simple mechanical models such as cranes, machines, windmills · Instruction book is included

9101

9101 Basic set · Comprising basic building blocks, narrow blocks and bearing blocks, and also wheels and gear wheels, for constructing mechanical models with gear drives · Instruction book is included

9102

9102 Basic set · Comprising basic building blocks, narrow blocks and bearing blocks, struts, wheels and gear wheels, for constructing a wide variety of mechanical models and vehicles of higher complexity · Instruction book is included

9103

9103 Basic set · Comprising a large number of components of all sorts, including a drive motor, for constructing engineering models with scientific exactitude · Instruction book is included

BE

Extension kits

9150

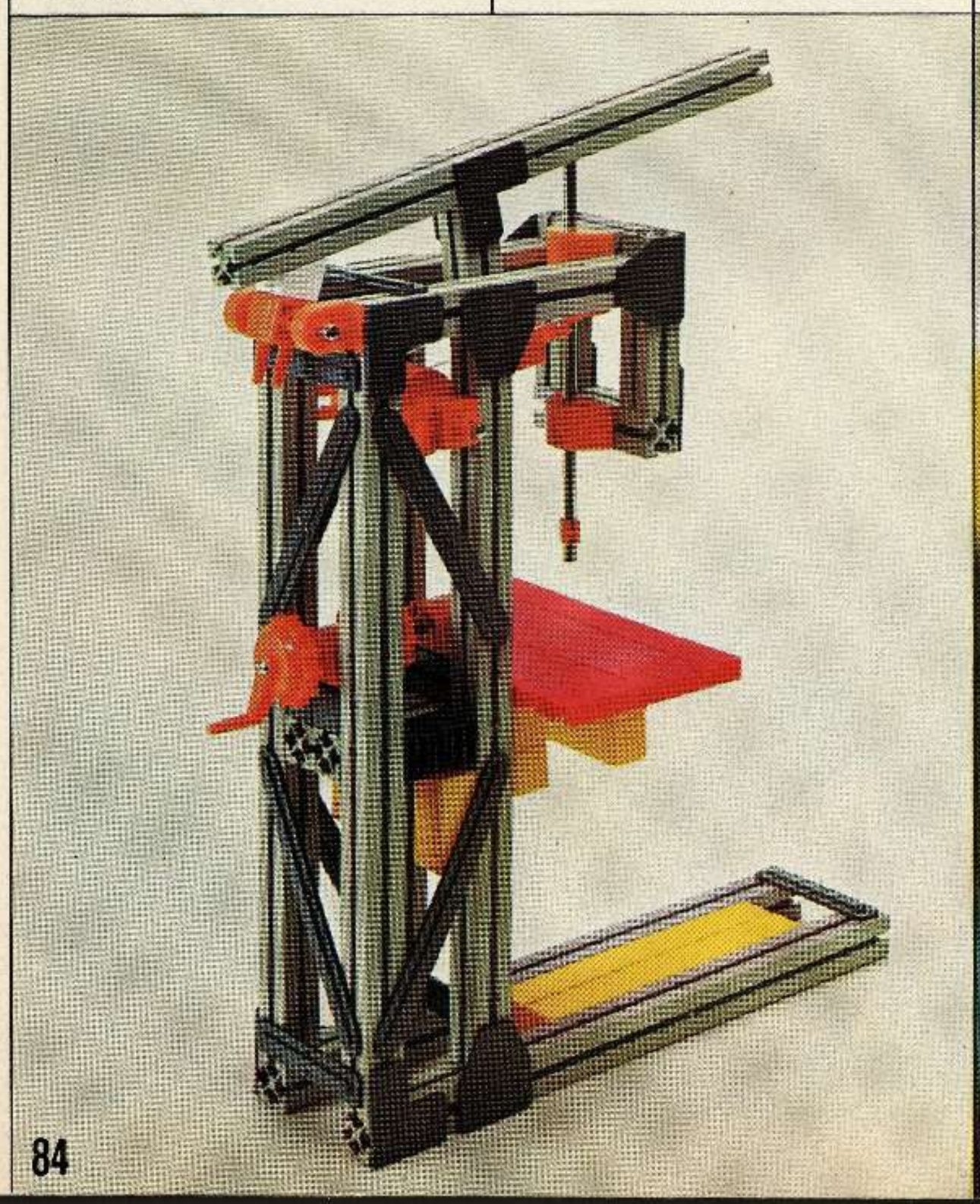
9150 Extension kit with instruction book · Converts set 9100 into 9101

9151

9151 Extension kit with instruction book · Converts set 9101 into 9102

9152

9152 Extension kit with instruction book · Converts set 9102 into 9103





Construction kits

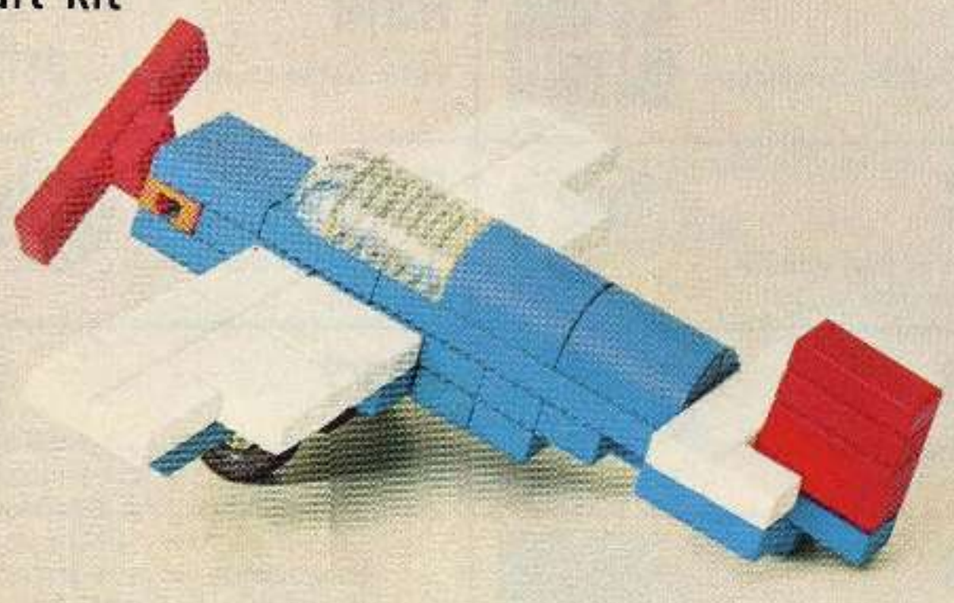
C



9200
Oldtimer kit

9201 Racing car kit	**9202** Trailer kit	**9220** Bus stop kit	**9221** Tractor kit
9222 Commercial vehicle kit	**9223** Semitrailer kit	**9240** House kit	**9241** Land Rover kit
9242 Road tanker kit	**9243** Truck kit	**9287** Tipper kit	**9288** Articulated tractor and trailer kit
9289 Road tanker train kit	**9290** Aircraft kit	**9298** Garage kit	**9299** Gas station kit

Aircraft kit



Tractor kit



Land Rover kit



Gas station kit



Extension parts



9300
9300 Set of building blocks, white and red

9301
9301 Set of building blocks, blue and yellow

9302
9302 Set of building blocks, black and transparent

9303
9303 Set of half-size building blocks, white and red

9304
9304 Set of half-size building blocks, blue and yellow

9305
9305 Set of half-size building blocks, black and transparent

9306
9306 Set of building blocks for sloping roof, white and yellow

9307
9307 Set of building blocks for flat sloping roof, white

9308
9308 Set of door and window building blocks

9309
9309 Set of round corner building blocks, white and red

9310
9310 Set of round corner building blocks, blue and transparent

9311
9311 Set of wall building blocks, red

9312
9312 Set of wall building blocks for structures on roofs

9313
9313 Set of coping blocks

9314
9314 Set of various bearing blocks

9315
9315 Set of short narrow building blocks

9316
9316 Set of narrow building blocks 1" and 4" long approx.

9317
9317 Set of narrow building blocks, 2" and 8" approx.

9318
9318 Set of flat connectors

9319
9319 Set of struts, short

9320
9320 Set of struts, long

9321
9321 Set of gear wheels with racks and worm gear

9322
9322 Set of gear wheels with worm gear

9323
9323 Set of shafts with ball joint

9324
9324 Set of cord pulleys with propeller

9325
9325 Set comprising cord drum with crank and pawl

9326
9326 Set of wheels with tires

9327
9327 Set of chain links for conveyor belt

9328
9328 Set of chain links for drive chain

9329
9329 Set of chain links for caterpillar track

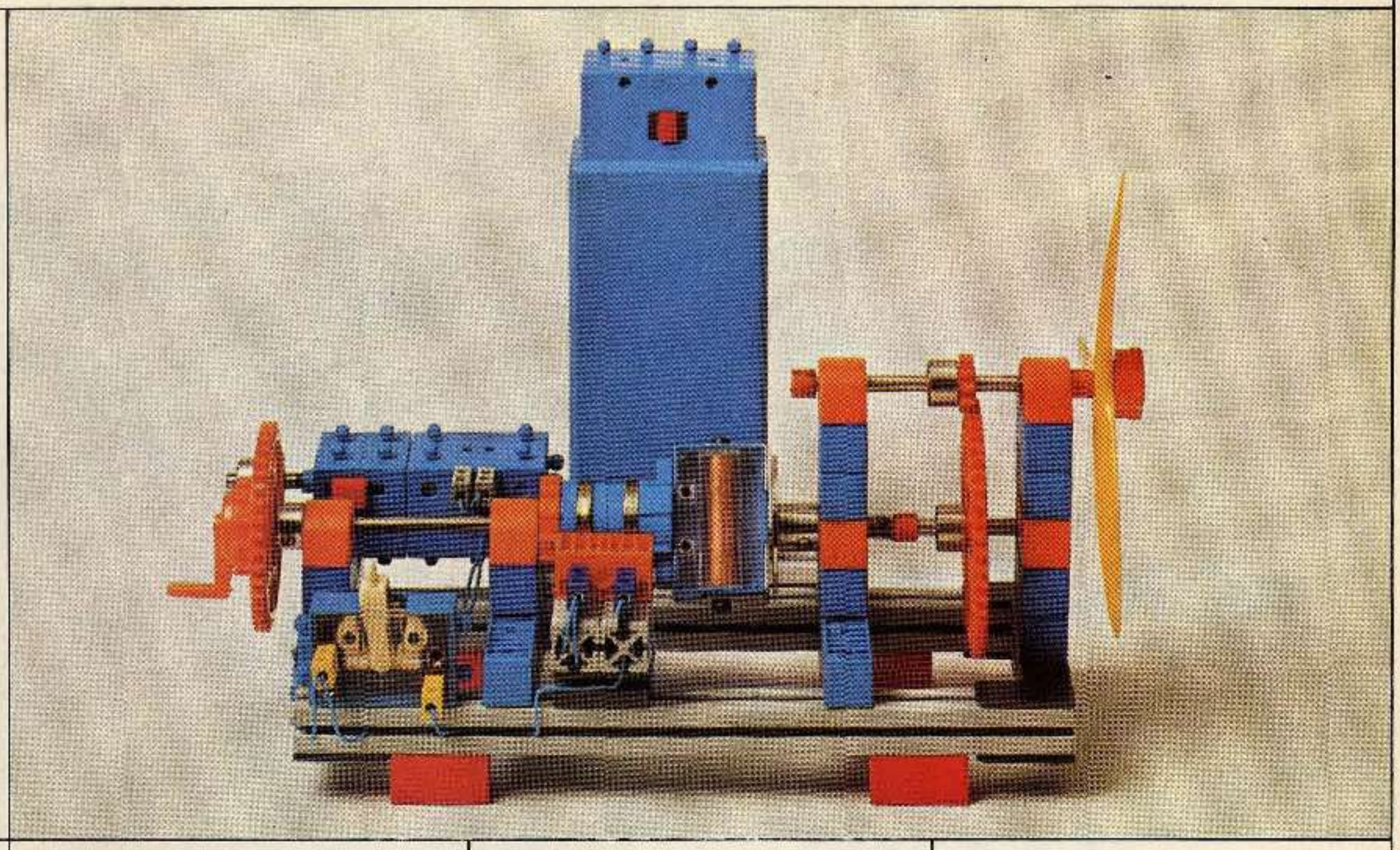
9399
9399 Base plate · Dimensions $14^3/_4'' \times 15^3/_4''$ approx.



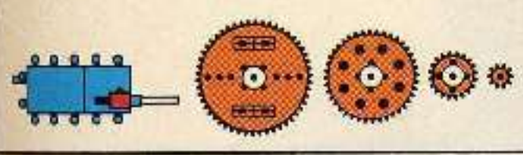


Functional parts

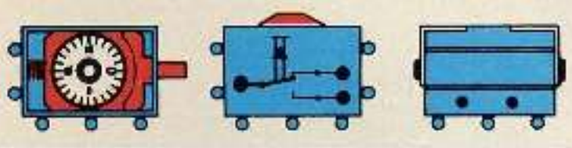
F



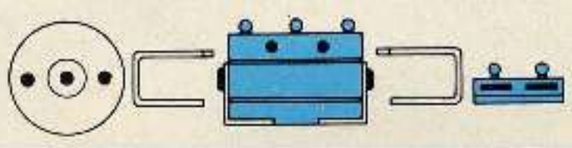
9400
Motor with gearbox



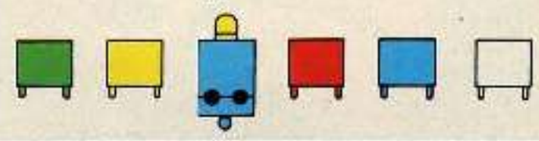
9401
Counter, switch and magnet



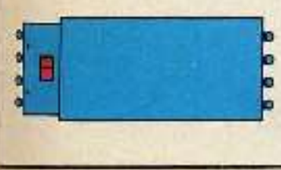
9402
Magnet with keeper



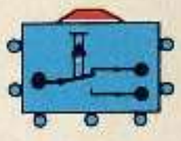
9403
Signal lamp with various light covers



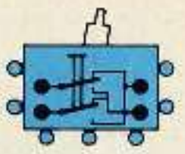
9404
Battery box



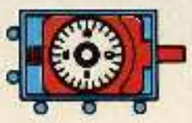
9405
Single-pole change-over switch



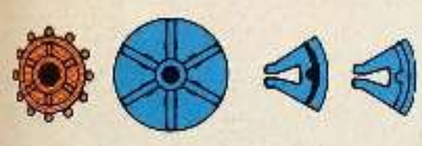
9406
Reversing switch



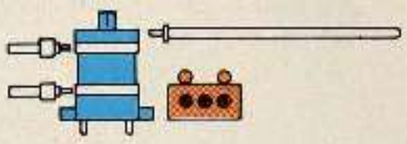
9407
Mechanical counter



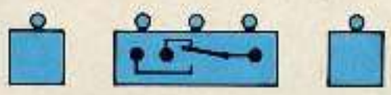
9408
Cam disc



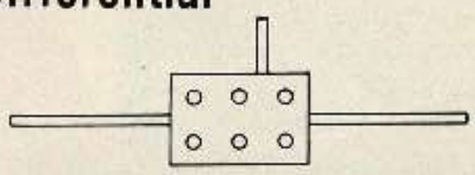
9409
Slip-ring



9410
Solenoid switch



9411
Differential



9430

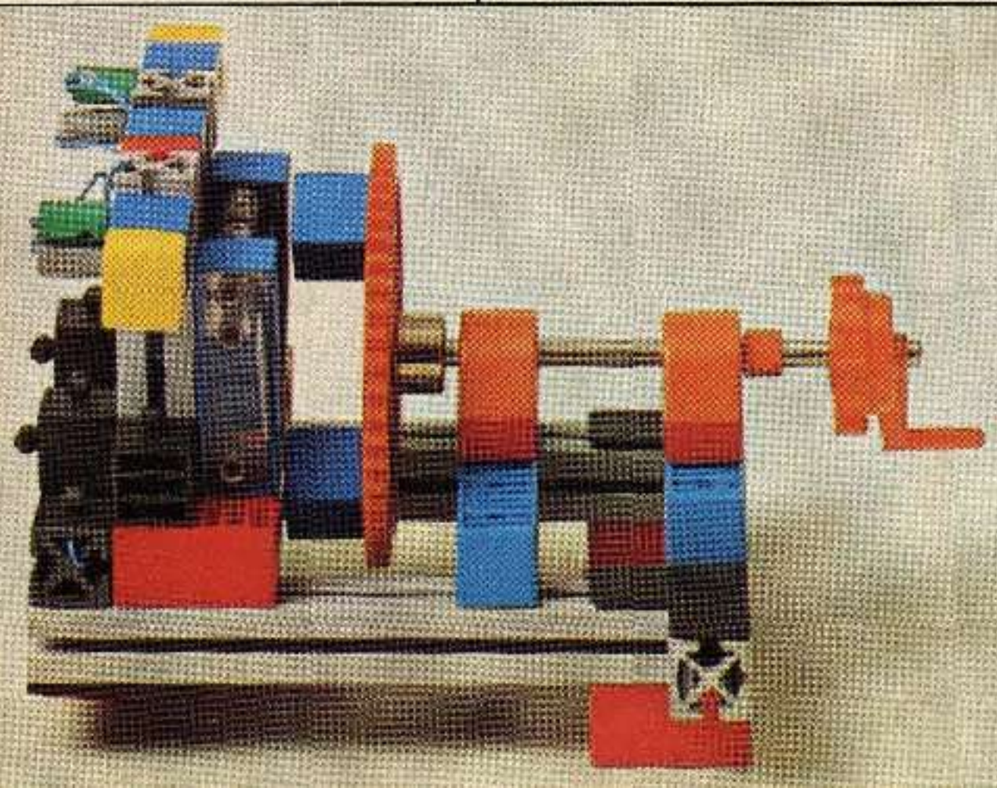
9430 Electromechanical functional kit · Comprising mechanical and electrical components such as building blocks, shafts, gear wheels, switches, signal lamps, magnets, etc., for constructing electro-mechanical models · Instruction book is included

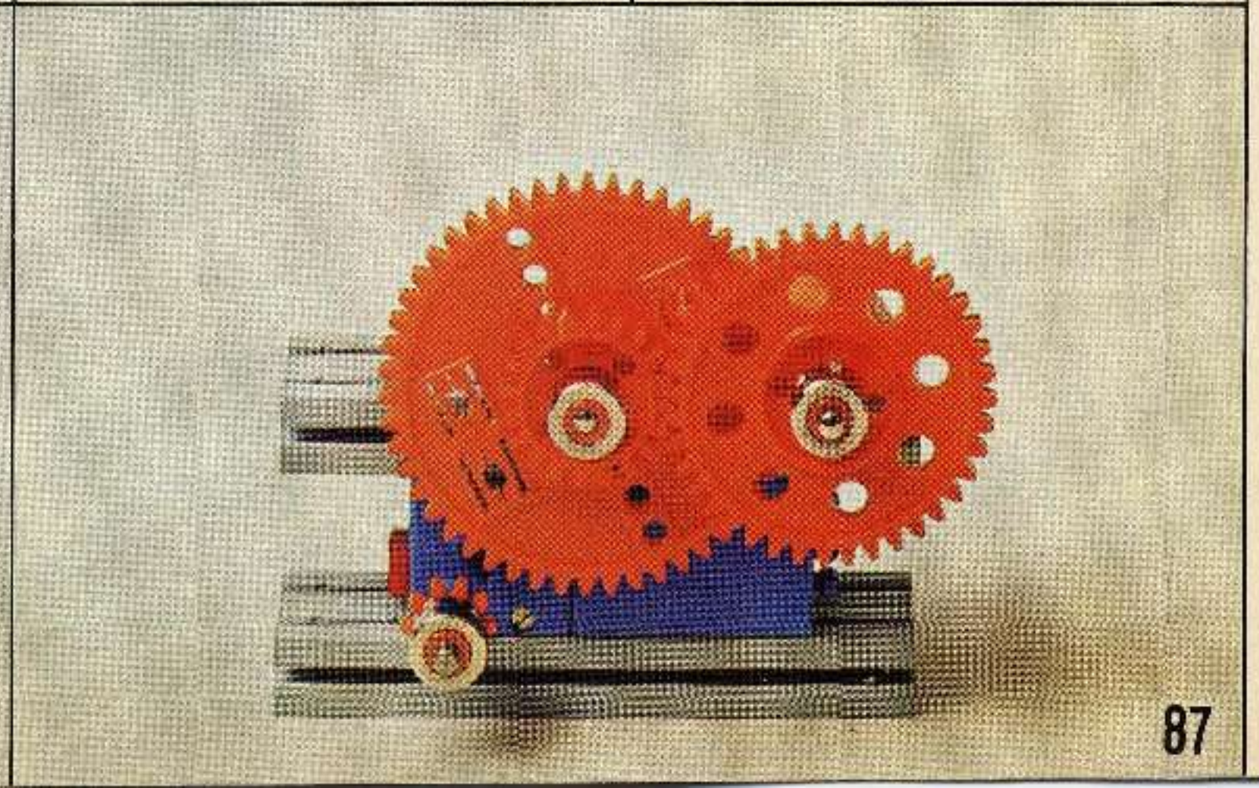
9490

9490 Set of plugs · Comprising 24 plugs with side sockets, in the colours yellow, green, red and grey

6751 = 220 volt

6751 Adjustable transformer for 220 V a. c. · Circuit I adjustable between 0 and 6 V d. c. · Circuit II constant d. c. voltage of 4 V · Each circuit can be loaded up to 1 A · Plastic case · Weight $3^3/_4$ lb approx. · Dimensions $5^1/_2$" × 5" × 3" approx.





Märklin plus

Large building blocks for the little ones

G



9090

9090 Large building block set · Comprising basic and large building blocks of various sizes and colours

9091

9091 Large building block set · Comprising 1 complete truck chassis together with basic and large building blocks of various sizes and colours

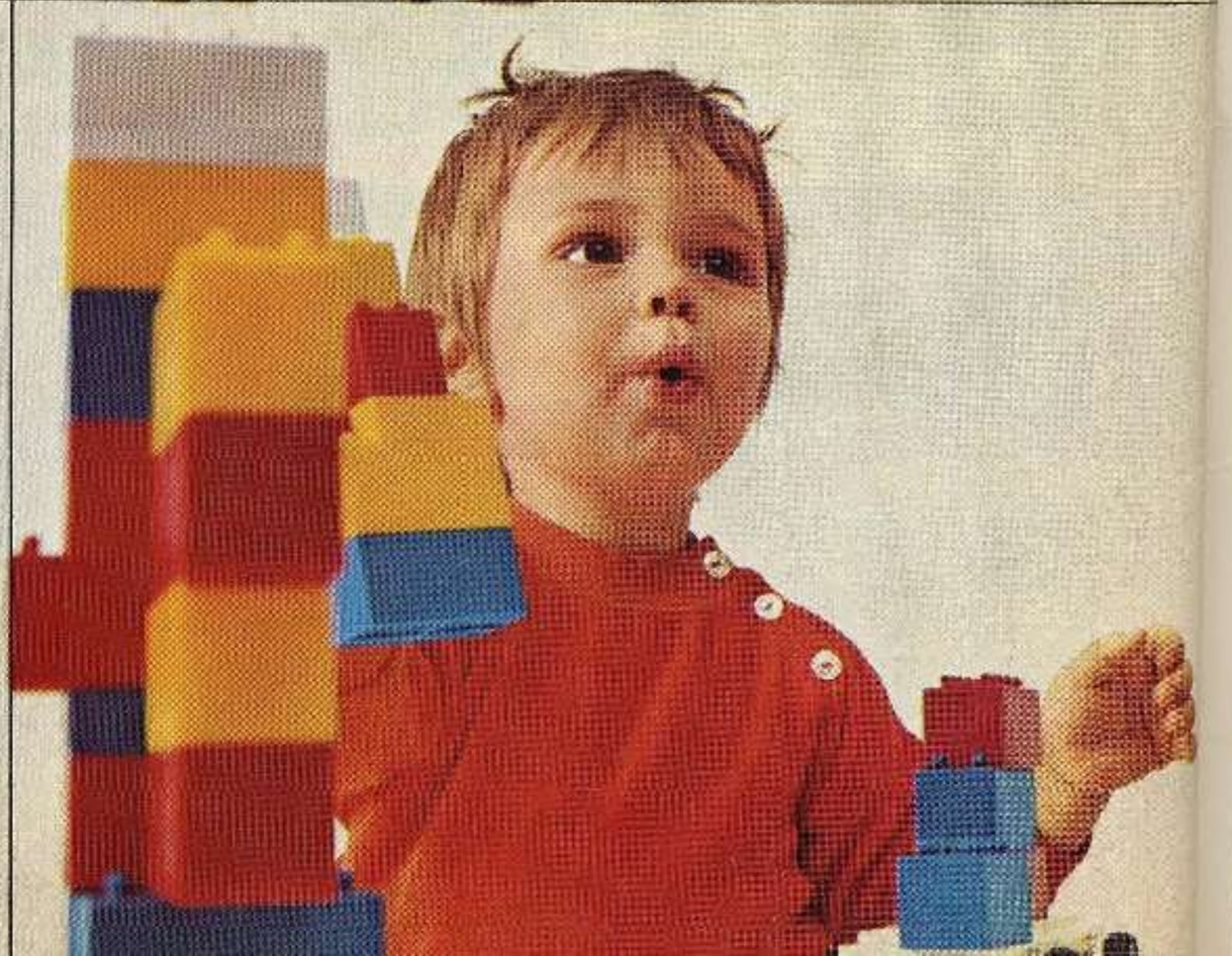
9092

9092 Large building block set · Comprising 2 complete truck chassis together with basic and large building blocks of various sizes and colours









Märklin

The Märklin Leisure Range
Boundless entertainment

MärklinI

the large model railroad
(45 mm gauge
= 1 3/4" approx.)

Märklin plus

a perfect construction set system
as entertainment and hobby

Märklin rak

real automobile knack
Miniature automobiles
1 : 43

Märklin sprint

the high-speed
car racing track



MärklinHO

the model railway with the clear system
(16.5 mm gauge = 5/8" approx.)

Märklin

metal construction sets
with real nuts and bolts

Märklin mini-club

the smallest electric railroad in the world
(6.5 mm gauge = 1/4" approx.)



Märklin plus