

märklin
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2



... 220 - Märklin
... only for
mini-club
adults
... the smallest electric railway in the world at a scale of 1:220

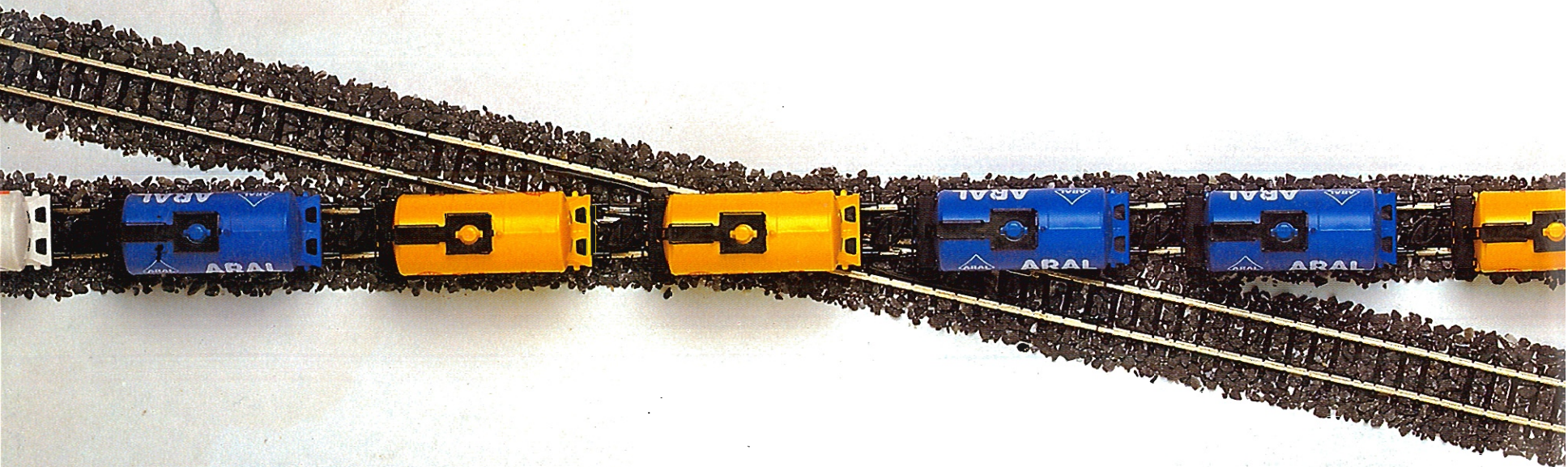
1985/86 E

märklin

Gebr. Märklin & Cie. GmbH
Postfach 8 60/8 80
D-7320 Göppingen
Federal Republic of Germany

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the right to make changes and deli-
very is not guaranteed. Measurements
shown for reference only. This catalog
supercedes all previous issues.



Contents

Planning and Building 4-15

Beginner Sets	4
SET Extension Program	8
Track Planning/Märklin-Magazin	10
Track	12
Problem-free Layout Construction	14

Operations and Rolling Stock 16-59

mini-club Precision	16
Steam Locomotives	18
Electric Locomotives	24
Diesel Locomotives	28
Inter-City-Experimental - (ICE)	30
New Ideas in Miniature	32
American Models	36
Spare Parts for Locomotives	38
Freight Cars	42
Passenger Cars	46
Special Train Sets	58

Controls 60-63

Power Packs/Electrical Accessories	60
Overhead (Catenary)	62

Accessories for More Fun 66-73

Turntable, Engine House	66
Transfer Table, Engine House	68
Crossing Gates, Kits	70
Bridges, Kits	72

Maxi-Ideas for mini-club 78-81

Stunning Suggestions	78
Scenic Layout	80

The New Service 82-83

Scale Z

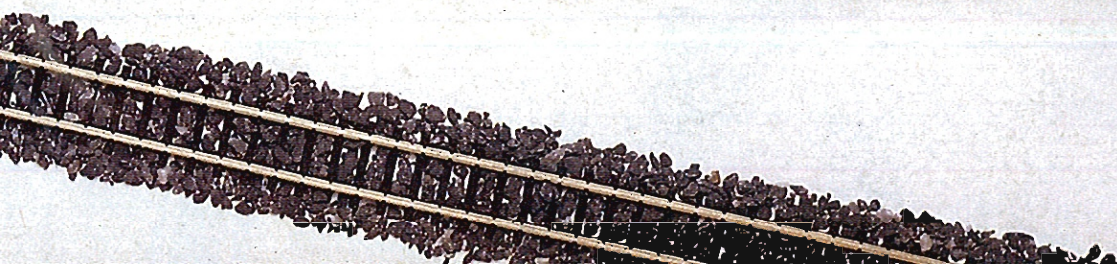
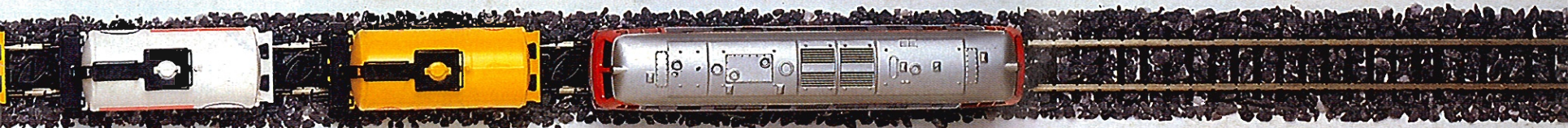
Gauge 6.5 mm (1/4")

Scale 1:220

S



Märklin Model
Railroad Club (Inc)
Wgtn NZ

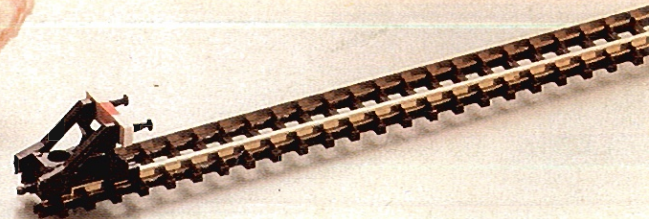


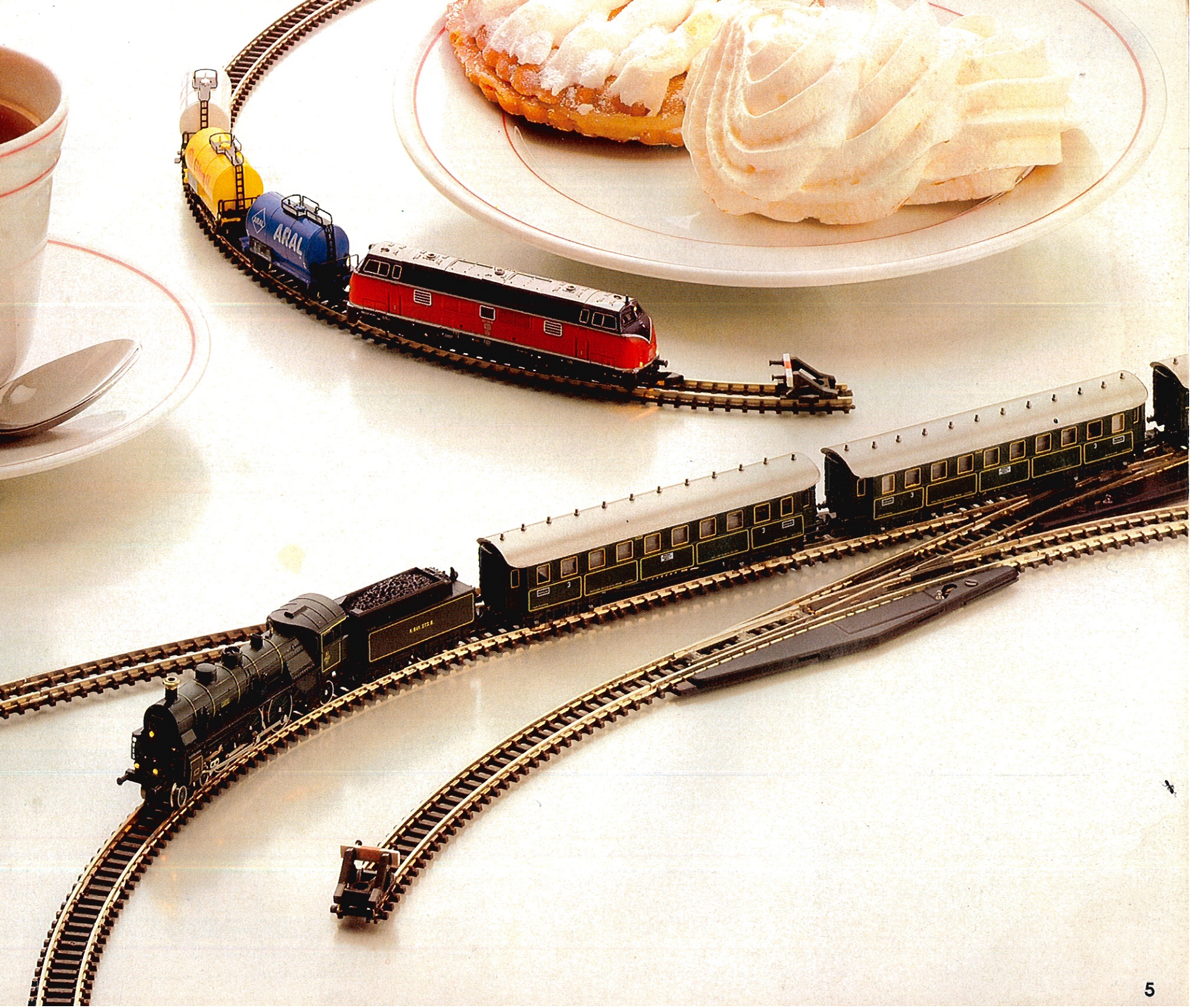
All Aboard

To be a locomotive engineer! Wasn't that a childhood dream? You can now fulfill this wish.

Choose a train! Three different beginner sets offer everyone the opportunity to get aboard mini-club railroading.

Welcome to the world of mini-club railroaders.





Beginner Sets

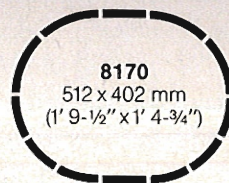
Climb Aboard! Enjoy Unique
mini-club-Superlatives

1

8170 S 220 Volt
8171 S 100 Volt Japan
8172 S 110 Volt (60 Hz)
8173 S 240 Volt

Freight Train with Power Pack · Contents: Diesel, 2 freight cars, 2 straight tracks, 10 curved tracks and power pack · Train length 165 mm (7")

This beginner set can be extended with the SET program (pages 8/9) or as desired.



2

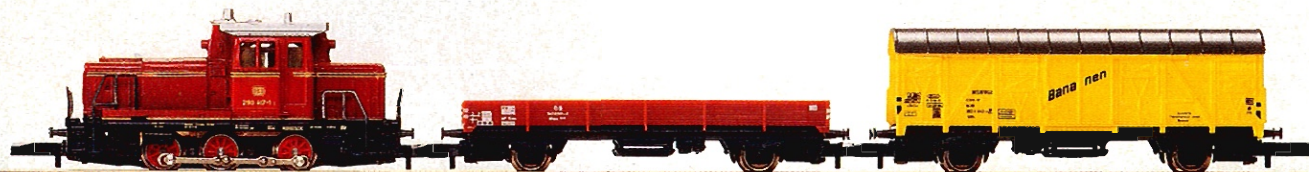
8167 S+E 220 Volt

Freight Train with Power Pack · Contents: Diesel, 3 freight cars, 12 straight tracks, 12 curved tracks, 2 manual switches, freight station accessory kit with glue and power pack · Train length 210 mm (8-3/8")

This beginner set can be extended with the SET packs 8192, 8193, and 8194 (pages 8/9) or as desired.

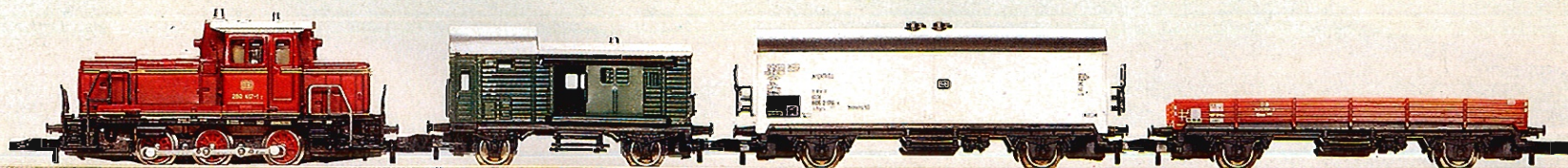
1 NEW

8170



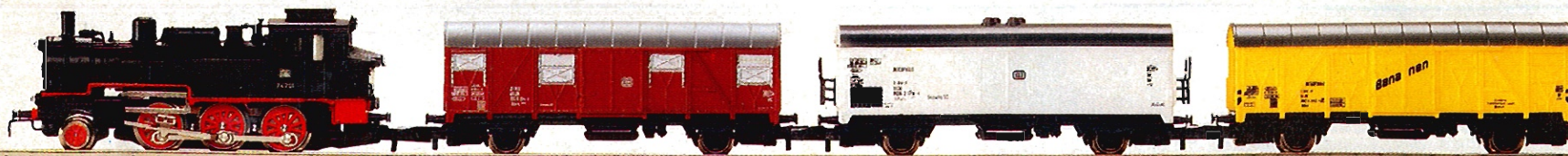
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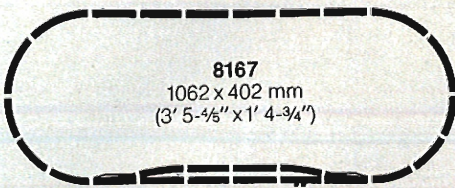
8167



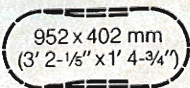
3

8158

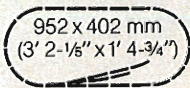




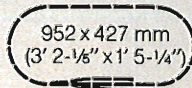
8167
1062 x 402 mm
(3' 5-5/8" x 1' 4-3/4")



952 x 402 mm
(3' 2-1/8" x 1' 4-3/4")



952 x 402 mm
(3' 2-1/8" x 1' 4-3/4")



952 x 427 mm
(3' 2-1/8" x 1' 5-1/4")

The track supplied with the 8167 beginner set is sufficient to

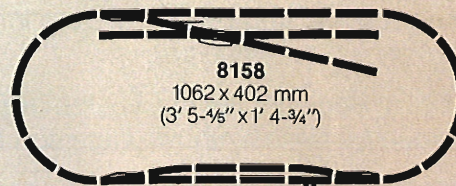
construct the layouts shown here.

3

8158 220 Volt
8159 100 Volt Japan
8160 110 Volt (60 Hz)
8161 240 Volt

Freight Train with Power Pack

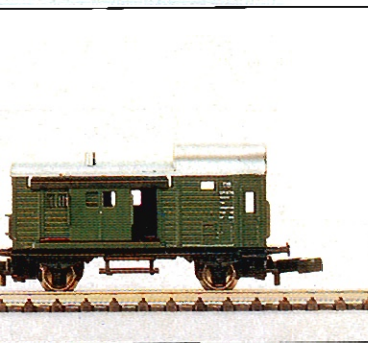
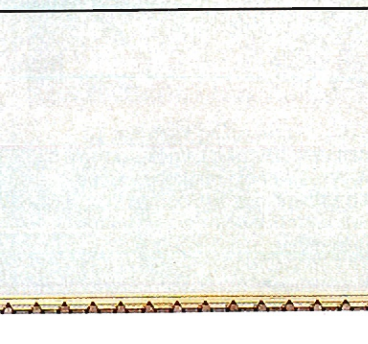
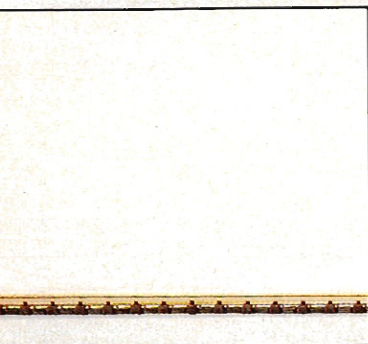
Contents: Tank locomotive, 4 freight cars, 20 straight tracks, 12 curved tracks, double slip switch, 3 remote control switches, 3 bumpers, water spout, position controller, distribution strip, wire, plugs, sockets and power pack. Train length 273 mm (10-3/4")



8158
1062 x 402 mm
(3' 5-5/8" x 1' 4-3/4")



This beginner set can be extended with the SET packs 8192 and 8193 (pages 8/9) or as desired.



Models are illustrated in actual size



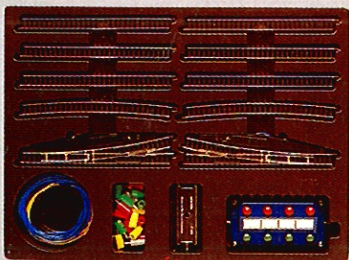
SET-Expansion Program

The SET expansion program is a step by step system for extending the beginner set track oval into the layout shown on these pages.

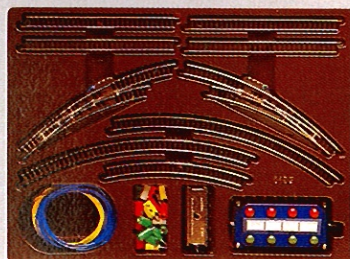
Beginning with the tracks in beginner set 8170 S, the next step is to add either the E 8190 or the E 8191. The three "T" sets shown here can be added in any sequence.



8190 · Expansion Set E · With manual switches · Includes: 10 straight tracks, 2 curved tracks, 2 manual switches, instructions



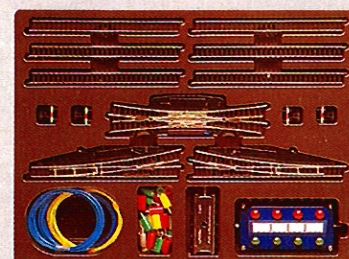
8191 · Expansion Set E · With remote control switches · Includes: 10 straight tracks, 2 curved tracks, 2 remote control switches, position control box, distribution strip, leads, sockets, plugs, instructions



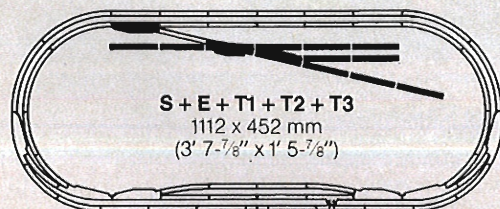
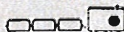
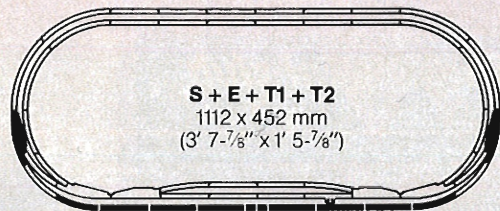
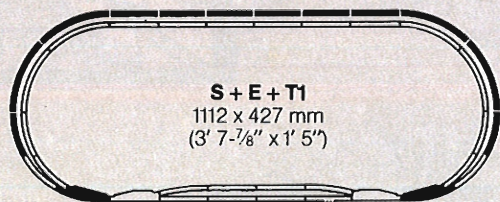
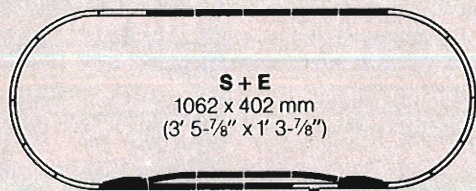
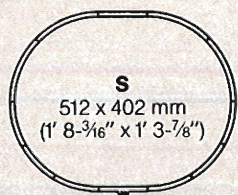
8192 · Double Track Set T1 · Includes: 6 straight tracks, 6 curved tracks, 2 remote control curved switches, position control box, distribution strip, leads, sockets, plugs, instructions



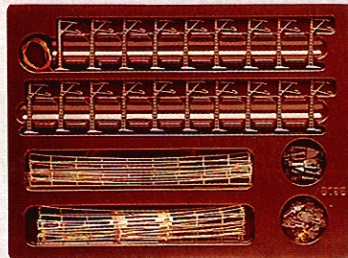
8193 · Station Passing Track Set T2 · Includes: 8 straight tracks, 2 curved tracks, 2 remote control curved switches, position control box, distribution strip, leads, sockets, plugs, instructions



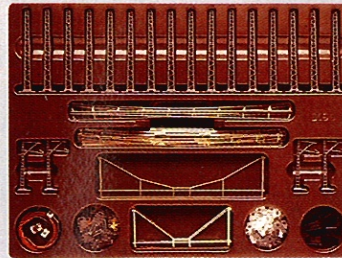
8194 · Marshalling Yard Set T3 · Includes: 10 straight tracks, double slip switch, 2 remote control switches, 4 bumpers, position control box, distribution strip, leads, sockets, plugs, instructions



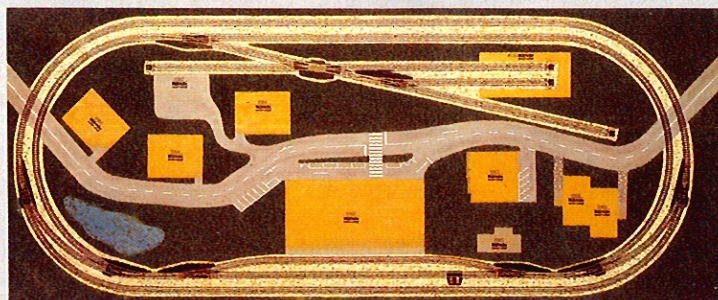
Overhead Sets



8198 · Overhead Set S+E · Contains all necessary items for adding catenary to the S and E sets · Includes: 19 masts, 20 wire sections, 8 insulator sections, 6 connecting springs, instructions



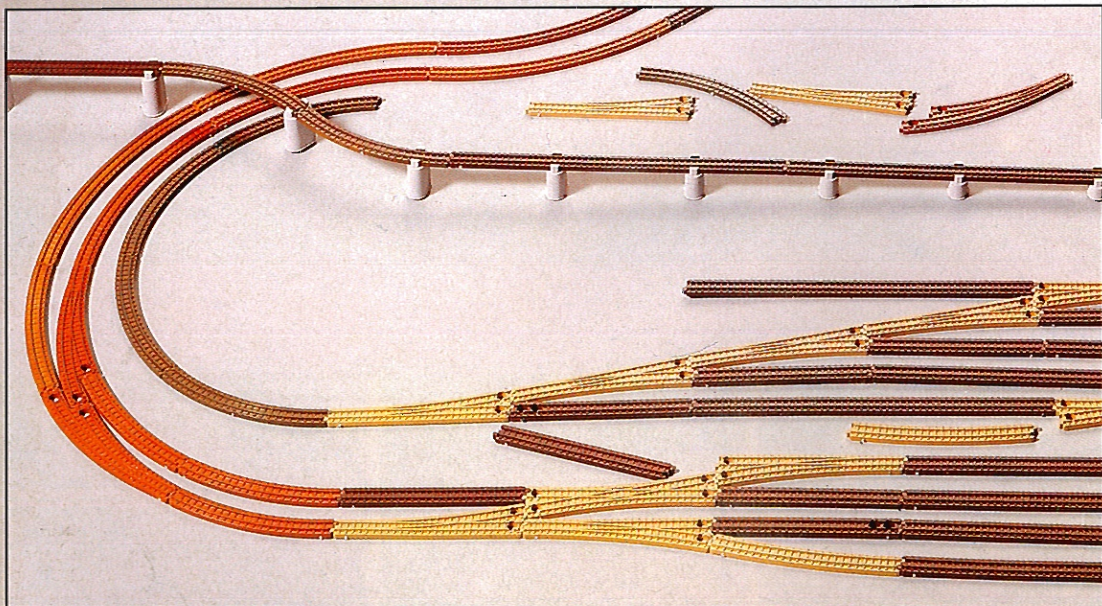
8199 · Overhead Set T1+T2+T3 · Contains all necessary items for adding catenary to the three "T" sets · Includes: 4 masts, 16 tower masts, 30 wire sections, 8 cross spans, 30 contact wire insulators, 8 insulator sections, 6 connecting springs, 5 catenary wire terminals, instructions



8930 · Toporama · Landscaping guide for the SET program · Right-of-way clearly marked · Multi-colored · Can be used with sets S+E onwards · Size 50 x 120 cm (1' 7-3/4" x 3' 11-1/4")

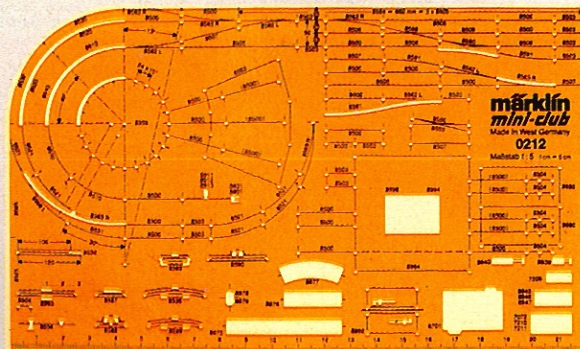
Planning

Designing a layout is made quite a bit easier by using the track game or the track templates since they let a modeler know beforehand how much track to buy. The track game is designed for a lot of fun, while the templates are more technical.



0232 - Track Planning Game · For designing mini-club layouts · Includes half-sized replicas of all mini-club tracks · Enough "track" to design a medium size layout · Each piece has the corresponding mini-club track catalog number printed on bottom · Arranged in 5 colors (3 curves, straight and switches) · "Track" sections can be coupled together

With this game, one can plan a layout without using any kind of complicated geometry problems. The color-coded pieces make track planning a game.



NEW

0212 - Track Planning Stencils (Templates) · For designing mini-club layouts · All track sections are scaled 1:5 and can be traced on paper · Instructions included

0322 - Brochure "Märklin-Spaß mit mini-club" · By Bernd Schmid · Excellent for beginners and advanced modelers alike · Easy to understand instructions with many tips for planning, scenery, and idea on how to enjoy the world of mini-club even more · Well-illustrated, many color photos · 126 pages · Size 22 x 17 cm (8-3/4" x 6-3/4") · German text



0292 - Brochure "Gleisanlagen Märklin mini-club" · Illustrated pamphlet with 16 layouts including catenary, wiring and scenery · 54 pages · Size 21 x 30 cm (8" x 12-5/8") · English text

The Magazine for everyone who wants to enjoy Märklin Model Railroading

Each issue of Märklin-Magazin is loaded with tips, ideas and information. Beginners and advanced modelers will find much of interest on model and prototype railroads.

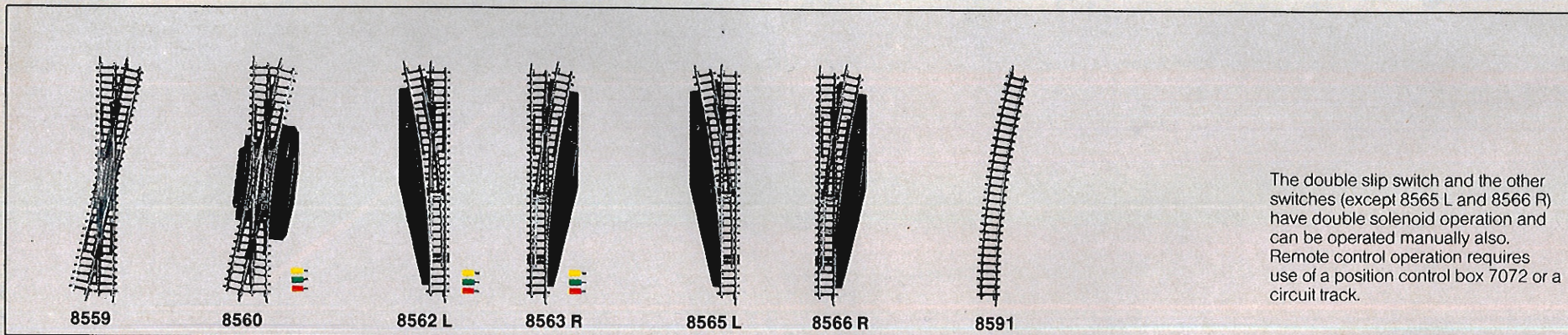
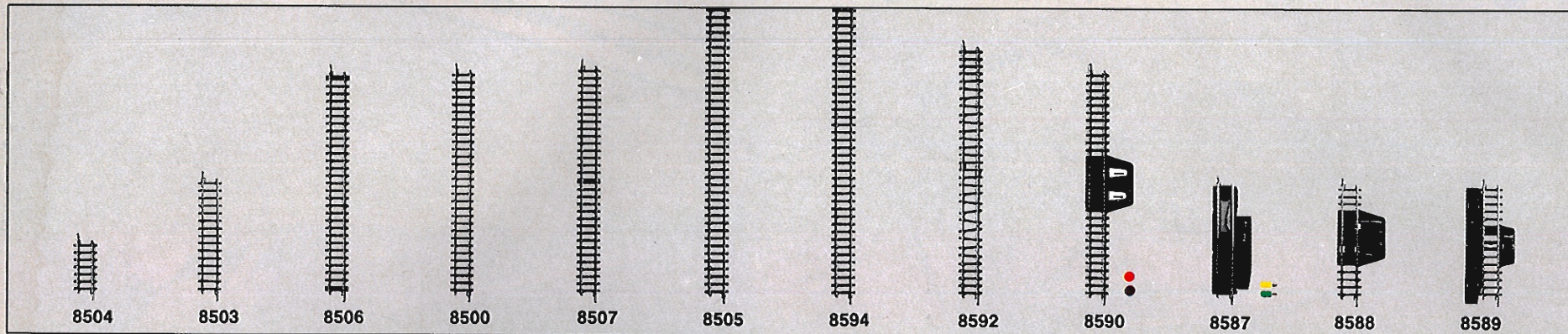
Available at hobby shops, bookstores or from Modellbahnen-Welt Verlags-GmbH, Postfach 9 40, D-7320 Göppingen, Federal Republic of Germany

Published in German, six times a year, in the middle of February, April, June, August, October and December.

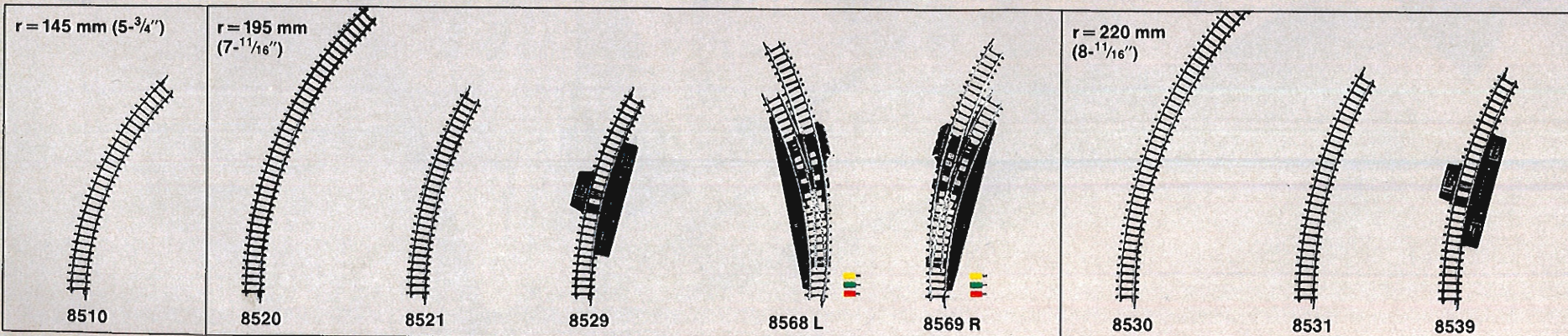


Track

The remarkable mini-club track sections have a track width (gauge) of only 6.5 mm (1/4"), a tie width of 11.5 mm (7/16"), and a track height of 2.5 mm (1/16"). The accurately scaled nickel-silver rails are mounted on plastic ties. Tracks are joined together with rail joiners. To insure a firm connection, the clips are strengthened with claw couplings on the end ties.



The double slip switch and the other switches (except 8565 L and 8566 R) have double solenoid operation and can be operated manually also. Remote control operation requires use of a position control box 7072 or a circuit track.



8931 · Illuminated Bumper · Includes screw for connecting to track · Length 16 mm ($1\frac{1}{16}$ ")

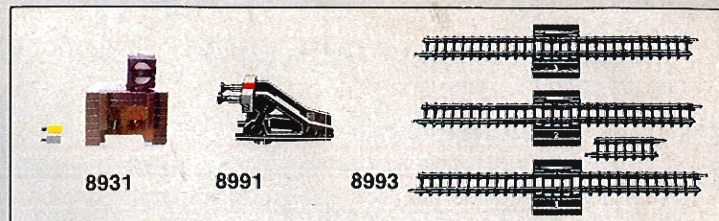
8991 · Bumper · Clips onto track · Length 15 mm ($\frac{5}{8}$ ")

8993 · Reversing Loop Set · Easy way to ensure proper polarity on reversing loops

8999 · 100 Track Nails · 0.5x8 mm ($\frac{1}{64}$ " x $\frac{1}{4}$ ")

8954 · Pack of 10 insulated and 20 non-insulated rail joiners · For connecting track sections

8974 · Re-Railing Ramp · Easy way to get cars on the track



8504 · Length 25 mm (1")

8503 · Length 55 mm ($2\text{-}\frac{3}{16}$ ")

8506 · Length 108.6 mm ($4\text{-}\frac{5}{16}$ ") · Extension track for use with crossing 8559 and the double slip switch 8560

8500 · Length 110 mm ($4\text{-}\frac{3}{8}$ ")

8507 · Length 112.8 mm ($4\text{-}\frac{7}{16}$ ") · Extension track for use with crossing 8559 and double slip switch 8560

8505 · Length 220 mm ($8\text{-}\frac{13}{16}$ ")

8594 · Length 660 mm (2' 2") · Can be made into flex track by selectively notching ties · When doing so, rails and tie strip should be shortened to conform to curves and new track clips (8954) installed

8592 · Curvable, telescoping section · Length can be increased from 100 to 120 mm ($3\text{-}\frac{15}{16}$ " to $4\text{-}\frac{3}{4}$ ") · Excellent as extension track

8590 · Feeder Track · With radio suppressor · Includes two track terminals and leads · Length 110 mm ($2\text{-}\frac{3}{16}$ ")

8587 · Uncoupling Track · Can be operated manually or by remote control using position control box 7072 · Length 55 mm ($2\text{-}\frac{3}{16}$ ")

8588 · Isolating Track · For block circuits · One rail is cut to permit circuit selection · Includes connecting clamp · Length 55 mm ($2\text{-}\frac{3}{16}$ ")

8589 · Circuit Track · With connecting clamps · Circuit tripped when train passes over track · Length 55 mm ($2\text{-}\frac{3}{16}$ ")

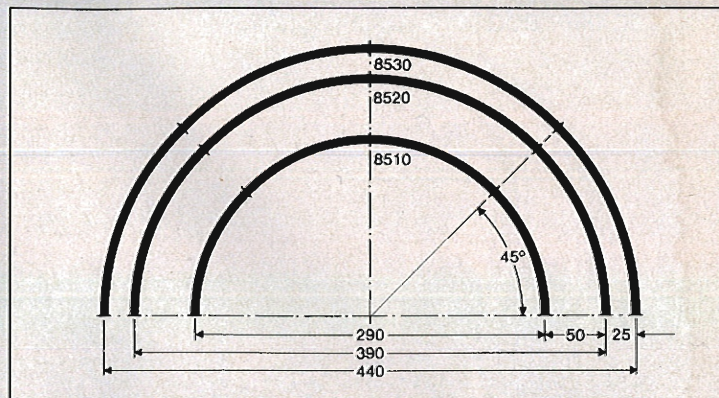


Fig. 1 shows the 3 Märklin mini-club curves, including radii, diameter, and loading gauge.

Radius 8510 = 8 track sections
Radius 8520 = 8 track sections
Radius 8530 = 8 track sections

8559 · Crossing · Length 112.8 mm ($4\text{-}\frac{7}{16}$ ") · 13° · (Fig. 2)

8560 · Double Slip Switch · Length 112.8 mm ($4\text{-}\frac{7}{16}$ ") · 13° · Radius 323 mm ($1\text{' } \frac{3}{4}$ ") · (Fig. 2)

8562 L · Left-Handed Electro-Magnetic Switch · Length 110 mm ($4\text{-}\frac{3}{8}$ ") · 13° · Radius 490 mm ($1\text{' } 1\text{-}\frac{1}{4}$ ") · (Figs. 3 + 4)

8563 R · Right-Handed Electro-Magnetic Switch · Length 110 mm ($4\text{-}\frac{3}{8}$ ") · 13° · Radius 490 mm ($1\text{' } 1\text{-}\frac{1}{4}$ ") · (Figs. 3 + 4)

8565 L · Left-Handed Manual Switch · Length 110 mm ($4\text{-}\frac{3}{8}$ ") · 13° · Radius 490 mm ($1\text{' } 1\text{-}\frac{1}{4}$ ") · (Figs. 3 + 4)

8566 R · Right-Handed Manual Switch · Length 110 mm ($4\text{-}\frac{3}{8}$ ") · 13° · Radius 490 mm ($1\text{' } 1\text{-}\frac{1}{4}$ ") · (Figs. 3 + 4)

8591 · Radius 490 mm ($1\text{' } 1\text{-}\frac{1}{4}$ ") · 13° · Matches the curves on switches 8562 L, 8563 R, 8565 L, 8566 R

Fig. 2 – 8559 and 8560

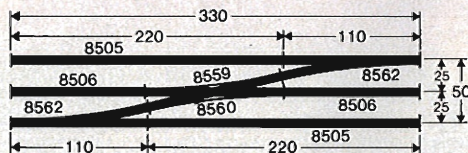


Fig. 3 – 8562 L, 8563 R, 8565 L and 8566 R

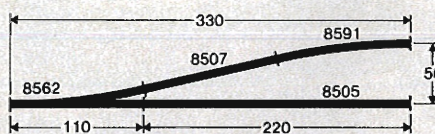


Fig. 4 – 8562 L, 8563 R, 8565 L and 8566 R

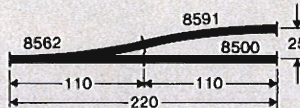
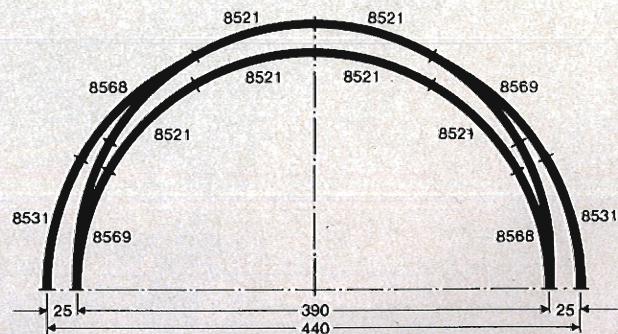


Fig. 5 – 8568 L and 8569 R



8510 · Radius 145 mm ($5\text{-}\frac{3}{4}$ ") · 45°

8520 · Radius 195 mm ($7\text{-}\frac{11}{16}$ ") · 45°

8521 · Radius 195 mm ($7\text{-}\frac{11}{16}$ ") · 30°

8529 · Circuit Track · Radius 195 mm ($7\text{-}\frac{11}{16}$ ") · 30° · With terminal · Circuit tripped when train passes over track

8568 L · Left-Handed Electro-Magnetic Curved Switch · Radius 195 mm ($7\text{-}\frac{11}{16}$ ") · 30° (same as 8521) · Outside track length 125 mm ($4\text{-}\frac{15}{16}$ ") · (Fig. 5)

8569 R · Right-Handed Electro-Magnetic Curved Switch · Radius 195 mm ($7\text{-}\frac{11}{16}$ ") · 30° (same as 8521) · Outside track length 125 mm ($4\text{-}\frac{15}{16}$ ") · (Fig. 5)

8530 · Radius 220 mm ($8\text{-}\frac{11}{16}$ ") · 45°

8531 · Radius 220 mm ($8\text{-}\frac{11}{16}$ ") · 30°

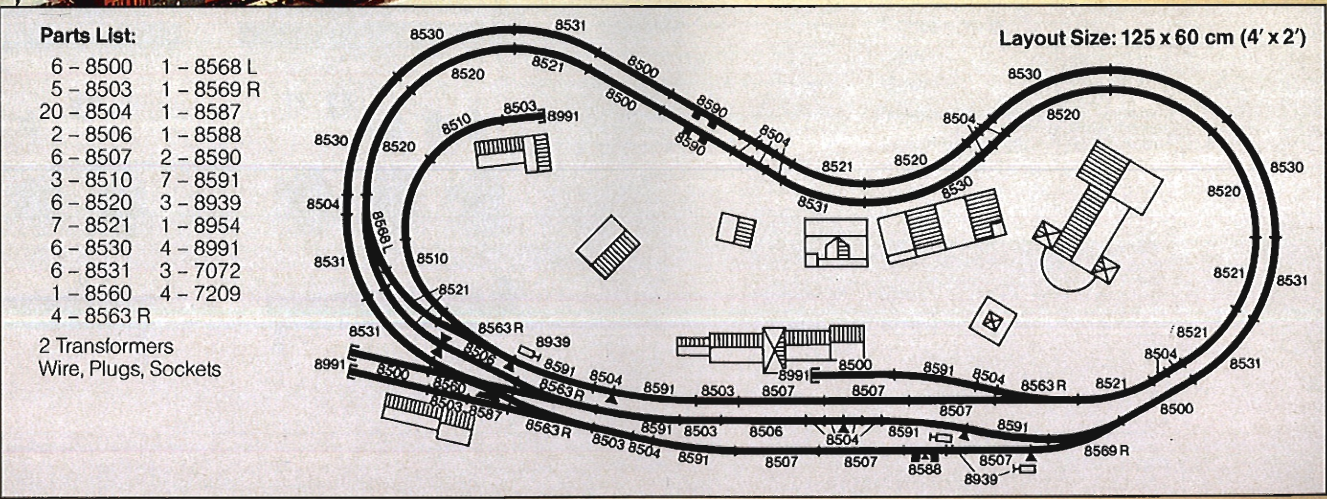
8539 · Circuit Track · Radius 220 mm ($8\text{-}\frac{11}{16}$ ") · 30° · With terminal · Circuit tripped when train passes over track

Great, but Inexpensive, Fun

Are you all thumbs? Do you find books on scenery hopelessly confusing? If so, then mini-club is your answer. It is designed for everyone.

The layout shown here can be built with little effort in a very short time: A reinforced piece of 10 mm (1/8") thick plywood board painted white is all you need to start. Then, lay the track and arrange the buildings, bushes, trees, vehicles and figures. Besides the wide variety of mini-club accessories shown on pages 70 to 73, your hobby shop can offer additional accessories.

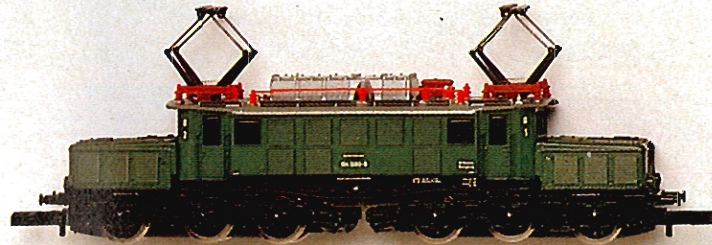




The Smallest with the Greatest Precision: Typically Märklin.

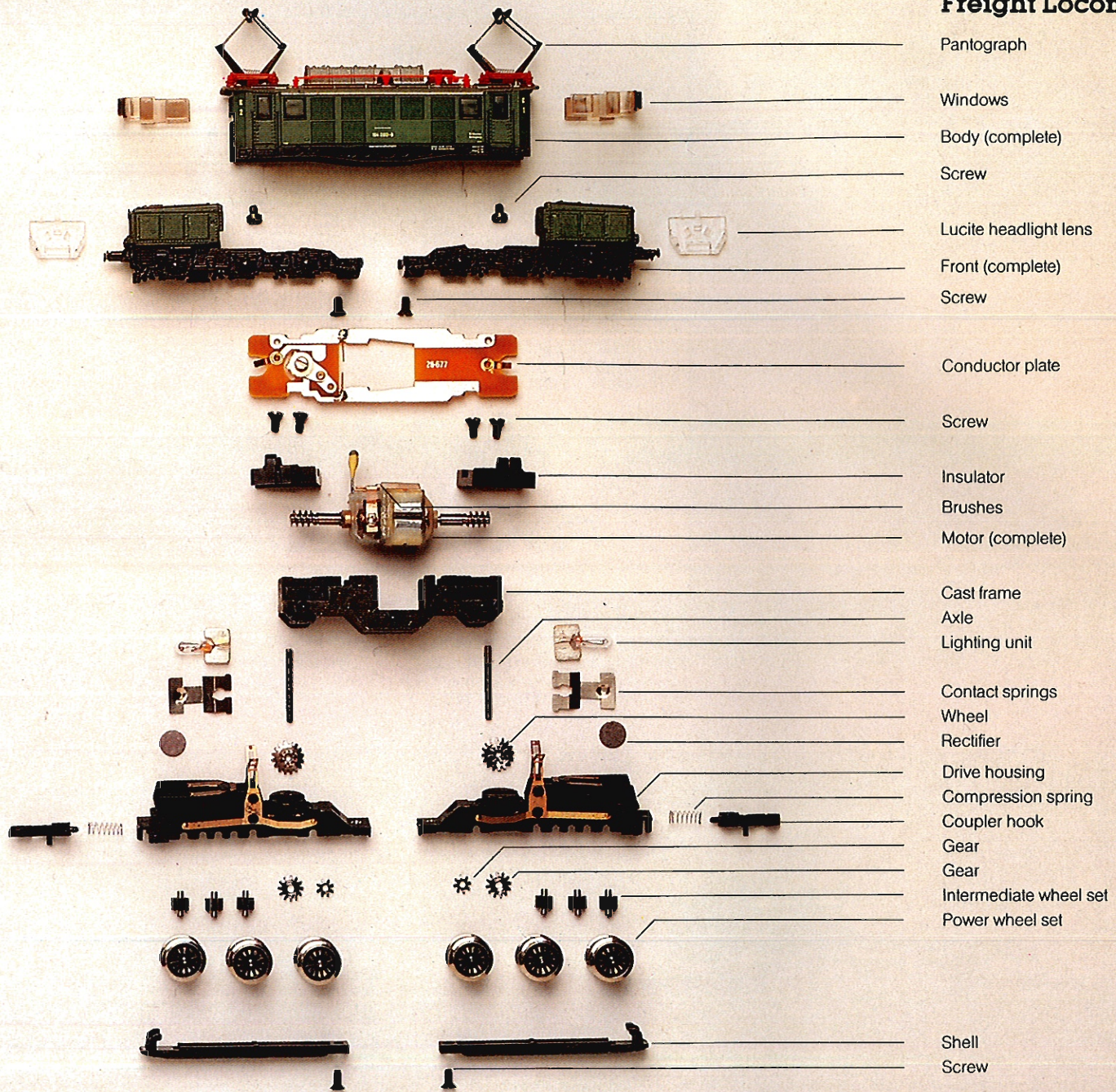
Everyone knows that mini-club is the smallest electric railway in the world. But there is more: state-of-the-art technology, stunning precision and accurate detailing. Typically Märklin.

The models are marvelous miniatures, which are treasured as masterpieces throughout the world. Thus, like all Märklin products, mini-club is a collector's item. They are really much too beautiful to merely stick in a shoebox after an operating session.



Illustrations are
actual size

Electric Freight Locomotive 8822



Steam Locomotives

Features of these Steam Locomotives

All drivers powered · Illuminated triple headlight (except 8800) · Metal shell and underframe · Automatic couplers at each end, or behind the tender

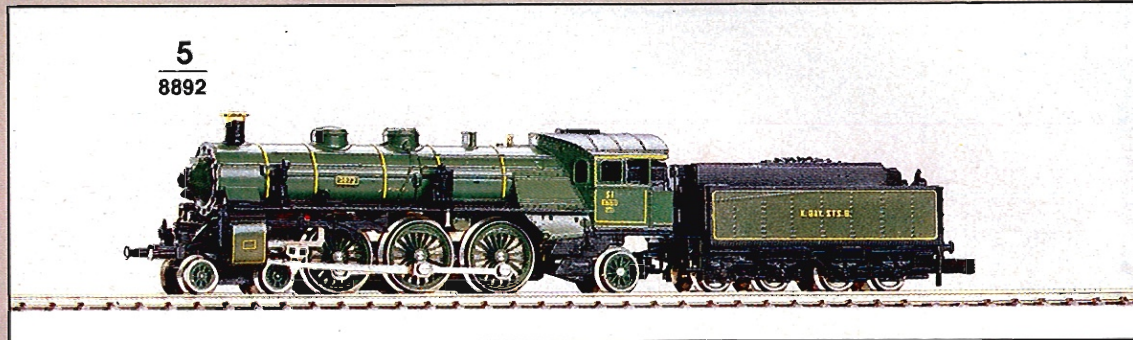
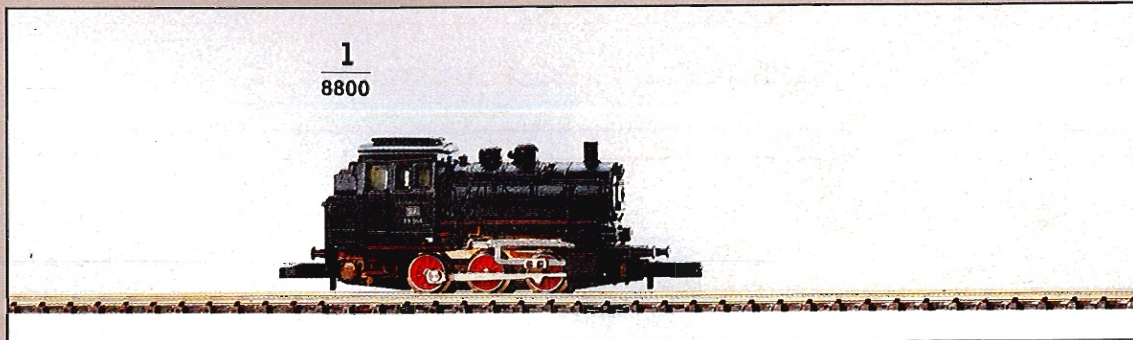
⊘ = 8953

Important:

Operate mini-club trains only on Märklin 8 V DC power packs.
Operation on higher voltages may damage engine.

The locomotives include radio interference suppressors. In conjunction with the suppressors in the power-packs and the feeder tracks 8590, the chance of mini-club trains disturbing radio or TV reception is minimized.

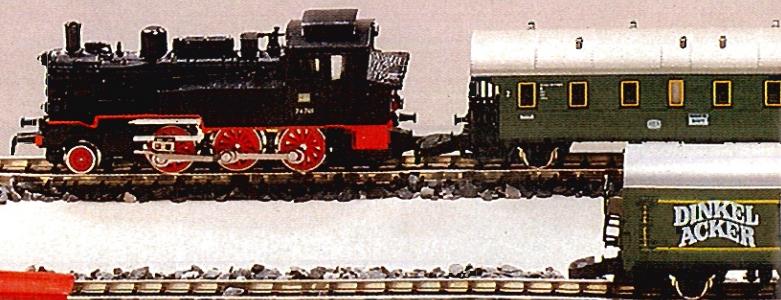
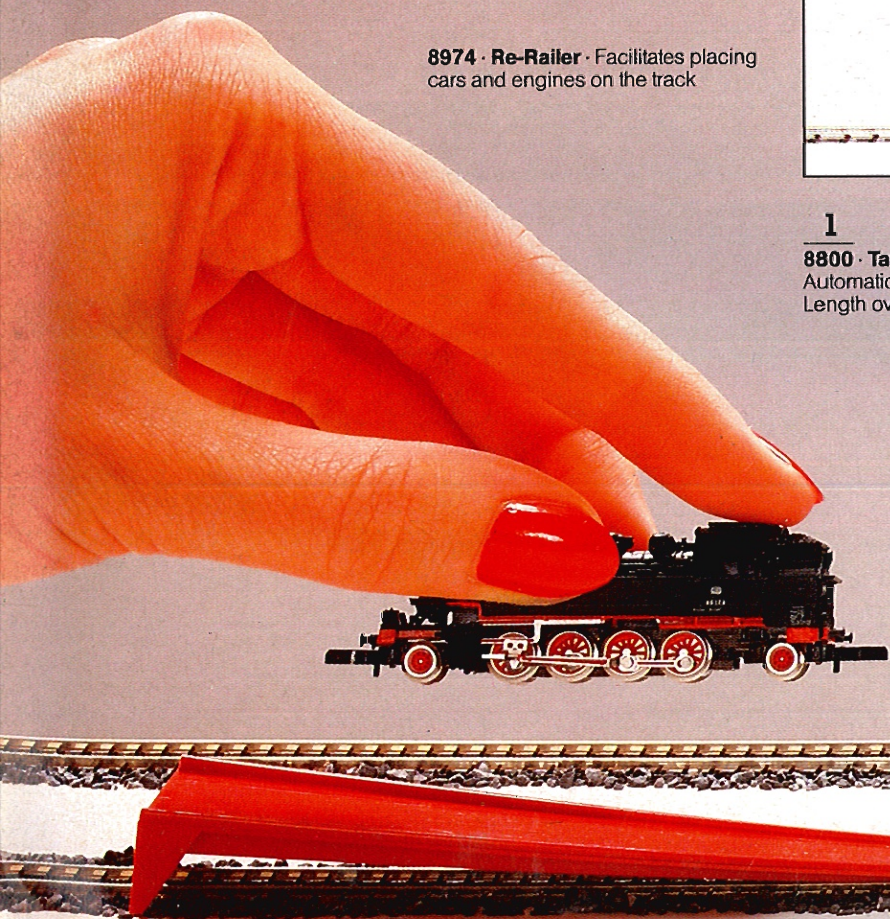
8974 · Re-Railer · Facilitates placing cars and engines on the track



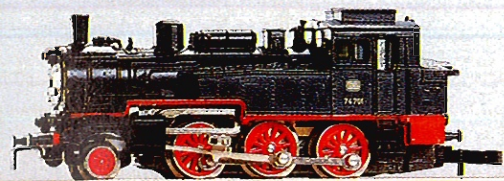
1
8800 · Tank Locomotive · Class 89 · Automatic couplers at each end · Length over buffers 45 mm (1-3/4")

2
8895 · Tank Locomotive · German Federal Railways' class 74 · Coupling hook in front · Length over buffers 55 mm (2-3/16")

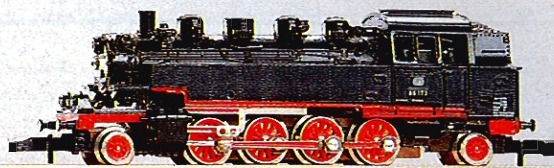
3
8896 · Tank Locomotive · German Federal Railways' class 86 · Illuminated triple headlight at each end · Automatic couplers at each end · Length over buffers 63 mm (2-1/2")
⊘ = 60210 (rear)



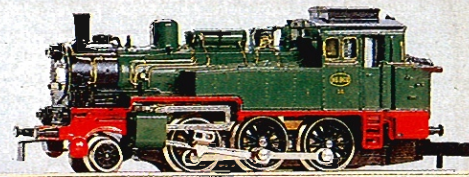
2
8895



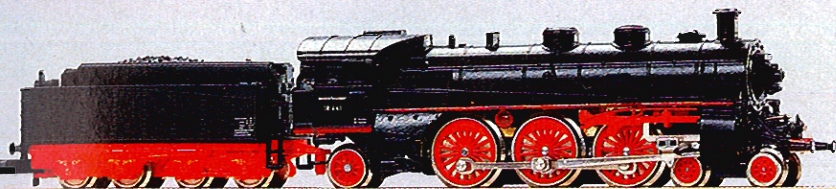
3
8896



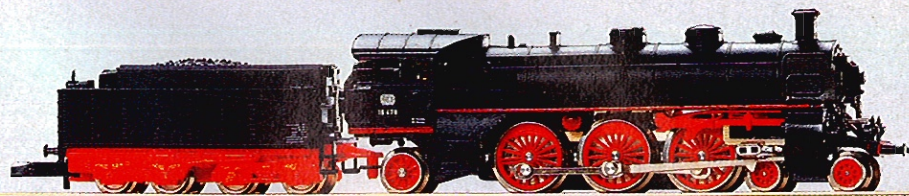
4
8801



6
8891



7
8893



4 Belgium

8801 · Tank Locomotive · Belgium State Railways' (NMBS/SNCB) class 96 · Coupling hook in front · Length over buffers 55 mm (2-3/16")

One of the most famous German steam locomotives is available in three versions in mini-club, each version corresponding to a different epoch. The S 3/6 of the former Royal Bavarian State Railways (8892), the class 18⁴ of the former German State Railways (8891), and the German Federal Railways (8893).

5

8892 · Express Locomotive with Tender · Royal Bavarian State Railways' class S 3/6 · Length over buffers 106 mm (4-3/16")

6

8891 · Express Locomotive with Tender · German State Railways' class 18⁴ · Length over buffers 106 mm (4-3/16")

7

8893 · Express Locomotive with Tender · German Federal Railways' class 18⁴ · Length over buffers 106 mm (4-3/16")



Locomotives shown here feature:

All driving axles powered · Three working headlights (8803 will accept the 8953 illumination set) · Metal body and trucks · Automatic couplers at rear of tender or tank engine

Q = 8953

Important:

Operate mini-club trains only on

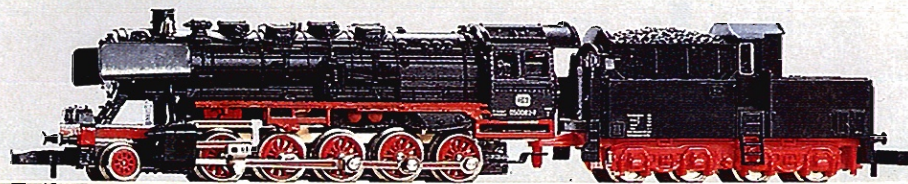
Märklin 8 V DC power packs.

Operation on higher voltages may damage engine.

420	540
528	612
600	68
672	7:
744	8
816	
888	
960	

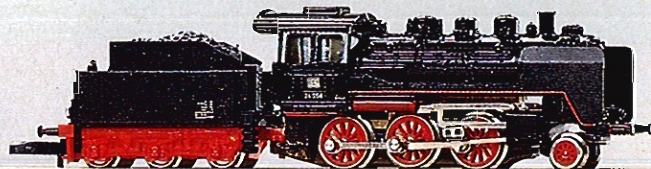
1

8884



2

8803



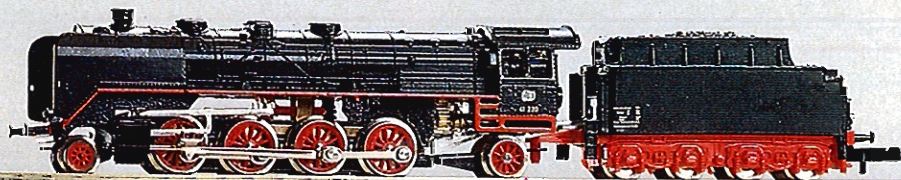
3

8899



4

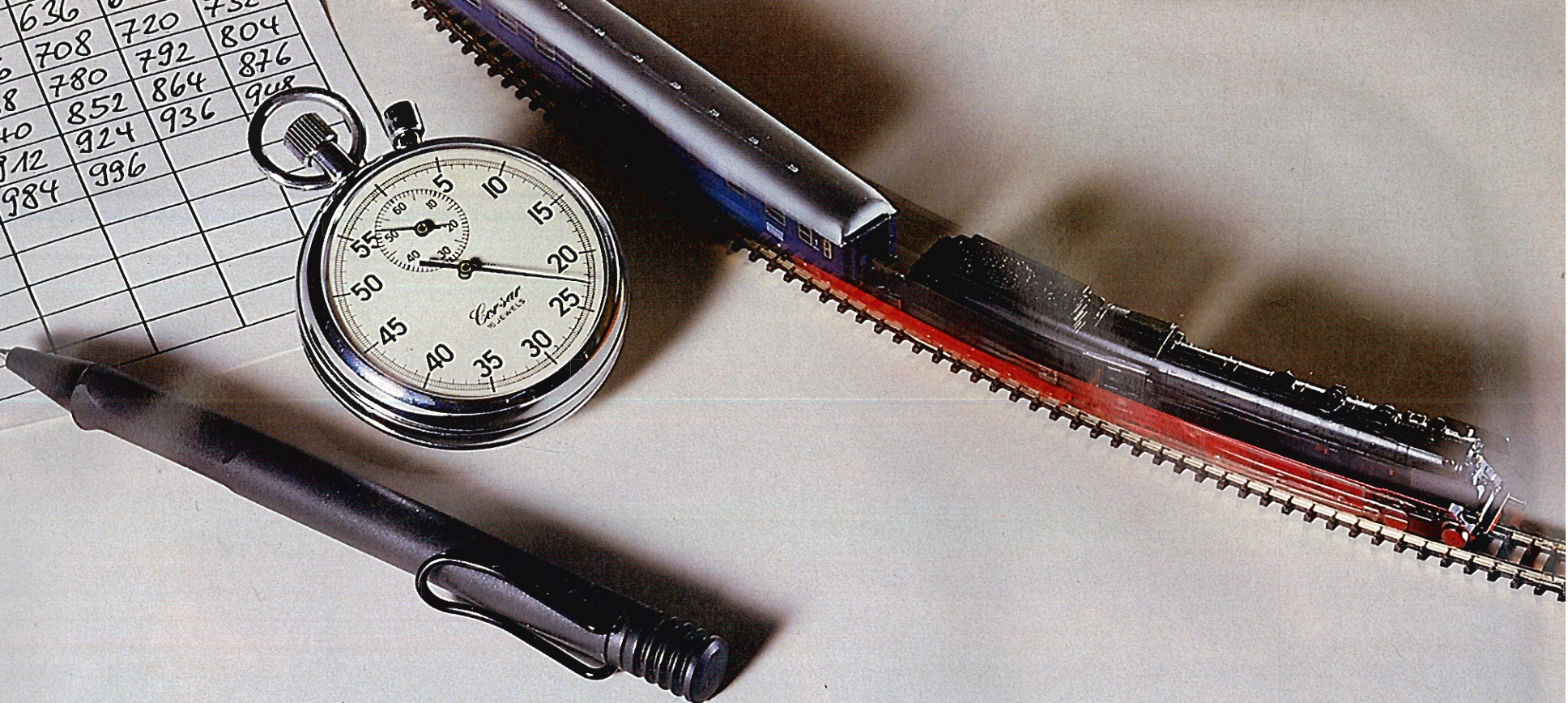
8827



5

8885





1

8884 · Freight Locomotive with Brakeman's Cab Tender · German Federal Railways' class 050 · Automatic couplers at each end · Length over buffers 109 mm (4-³/₈"')

2

8803 · Passenger Locomotive with Tender · German Federal Railways' class 24 · Length over buffers 82 mm (3-¹/₄"')

3

8899 · Passenger Locomotive with Tender · German Federal Railways' class 038 · Length over buffers 89 mm (3-¹/₂"')

4

8827 · Freight Locomotive with Tender · German Federal Railways' class 41 · Length over buffers 112 mm (4-³/₈"')

5

8885 · Express Locomotive with Tender · German Federal Railways' class 003 · Length over buffers 112 mm (4-³/₈"')

A Märklin mini-club 8885 ran non-stop on a test track at a neutral testing institute setting a world record now appearing in "Guinness Book of Records": 1219 hours covering 720 kilometers (447 miles).

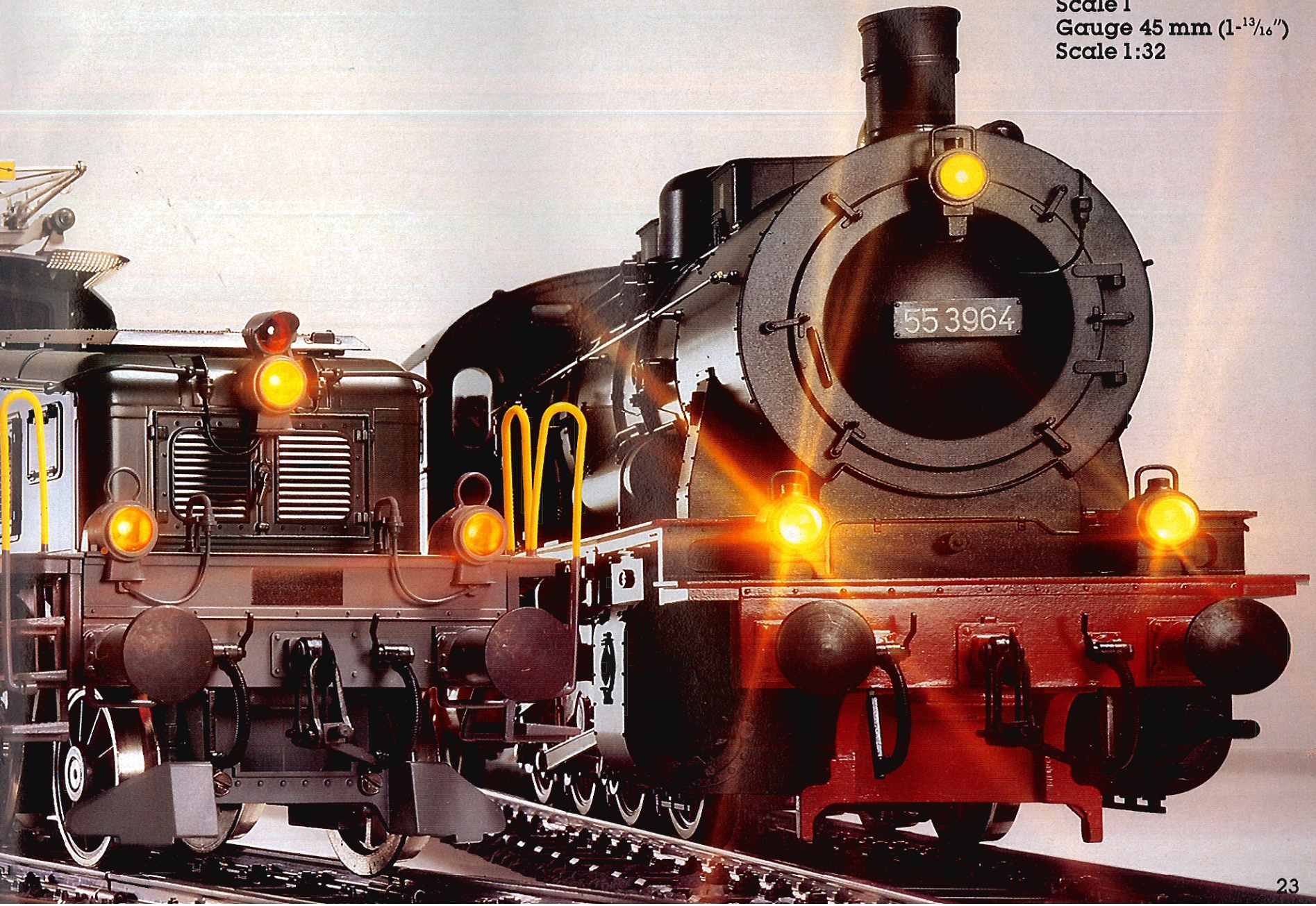
Märklin I – the Big Railroad

Whether you begin with a set or with individual models, Märklin has the right ones for getting started in the Big One. Be sure to get a copy of the new Märklin I gauge catalog at your dealer.



märklin
I

Scale I
Gauge 45 mm (1-¹³/₁₆")
Scale 1:32

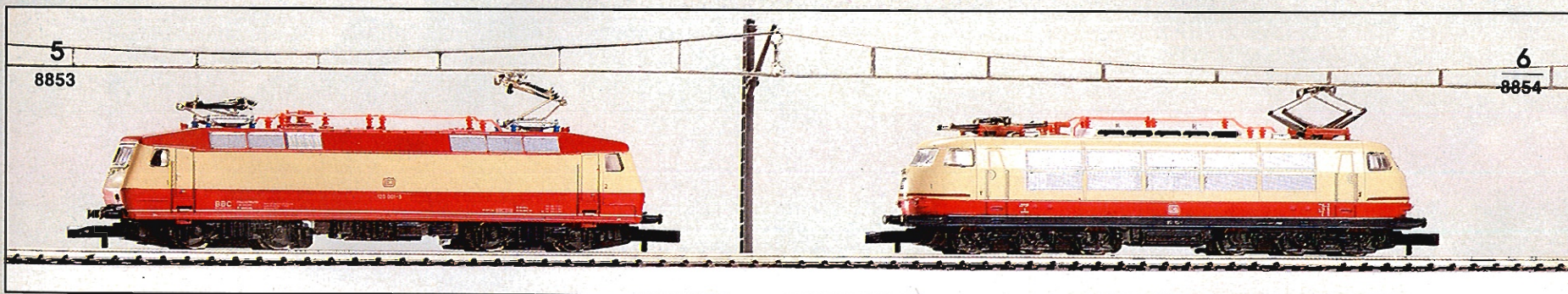
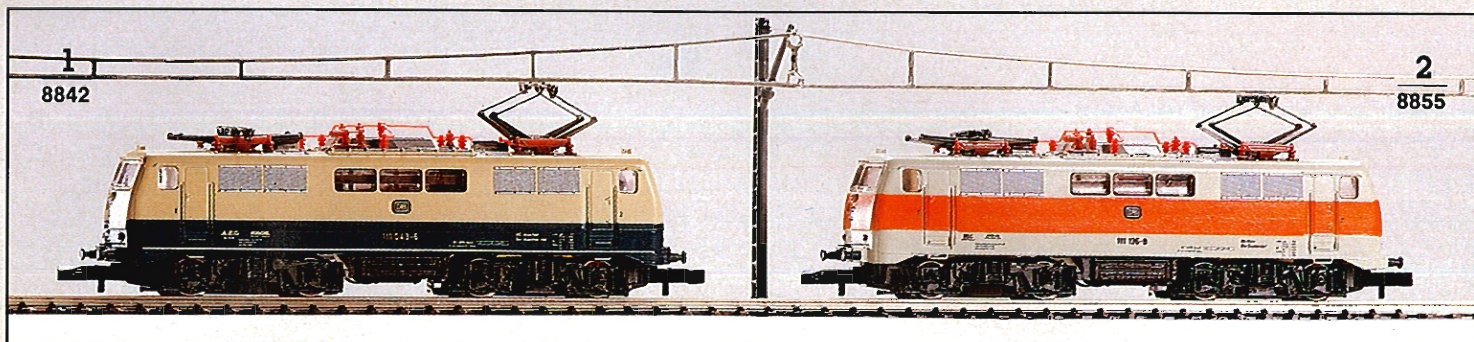


Electric Locomotives

Features of these Electric Locomotives

Both trucks powered · Triple headlights at each end, illuminated according to direction · Can operate from track or overhead current · Colorful bodies · Metal underframes · Automatic couplers at each end

Q=8953



1

8842 · Electric Express Locomotive · German Federal Railways' class 111 · Length over buffers 76.8 mm (3")

2

8855 · Electric Locomotive · German Federal Railways' class 111 as used in the Rhine and Ruhr districts · Length over buffers 76.8 mm (3")

3

8857 · Electric Freight Locomotive · German Federal Railways' class 151 · Length over buffers 88 mm (3-1/2")

4

8858 · Electric Freight Locomotive · German Federal Railways' class 151 · Length over buffers 88 mm (3-1/2")

5

8853 · Multi-Purpose Electrics · German Federal Railways' class 120 · Length over buffers 87 mm (3-1/2")

■ On October 17, 1984, the prototype for Märklin's 8853, the 120 001-3, set a world record for AC-powered electric locomotives by racing between Augsburg and Donauwörth at 265 kmph (165 mph).

7

8839 · Electric Express Locomotive · German Federal Railways' class 110 · Length over buffers 75.5 mm (2-15/16")

■ The class 110 electric has been used by the German Federal to power the heavy passenger trains on main line routes since 1956 and were built in series, each with distinguishing characteristics.

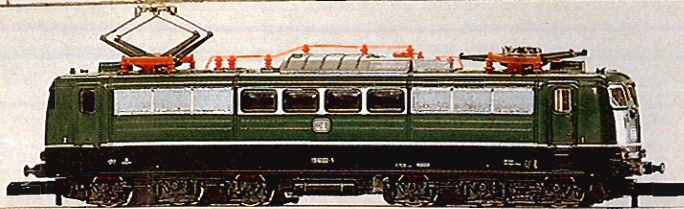
All series, however, have welded construction with solid frame and rib frames upon which the sheets are welded. The four motors power two eight-wheel trucks, for a B-B configuration. Their hourly output is 3700 kW and they have a top speed of 150 kmph (93 mph).

6

8854 · Electric Express Locomotive · German Federal Railways' class 103 · Length over buffers 88 mm (3-1/2")

3

8867



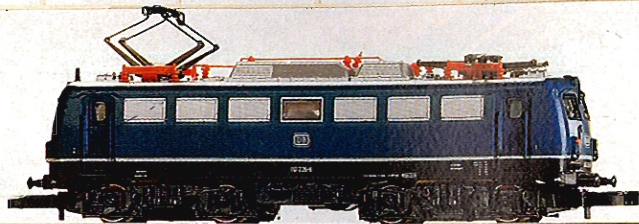
4

8858



7 NEW

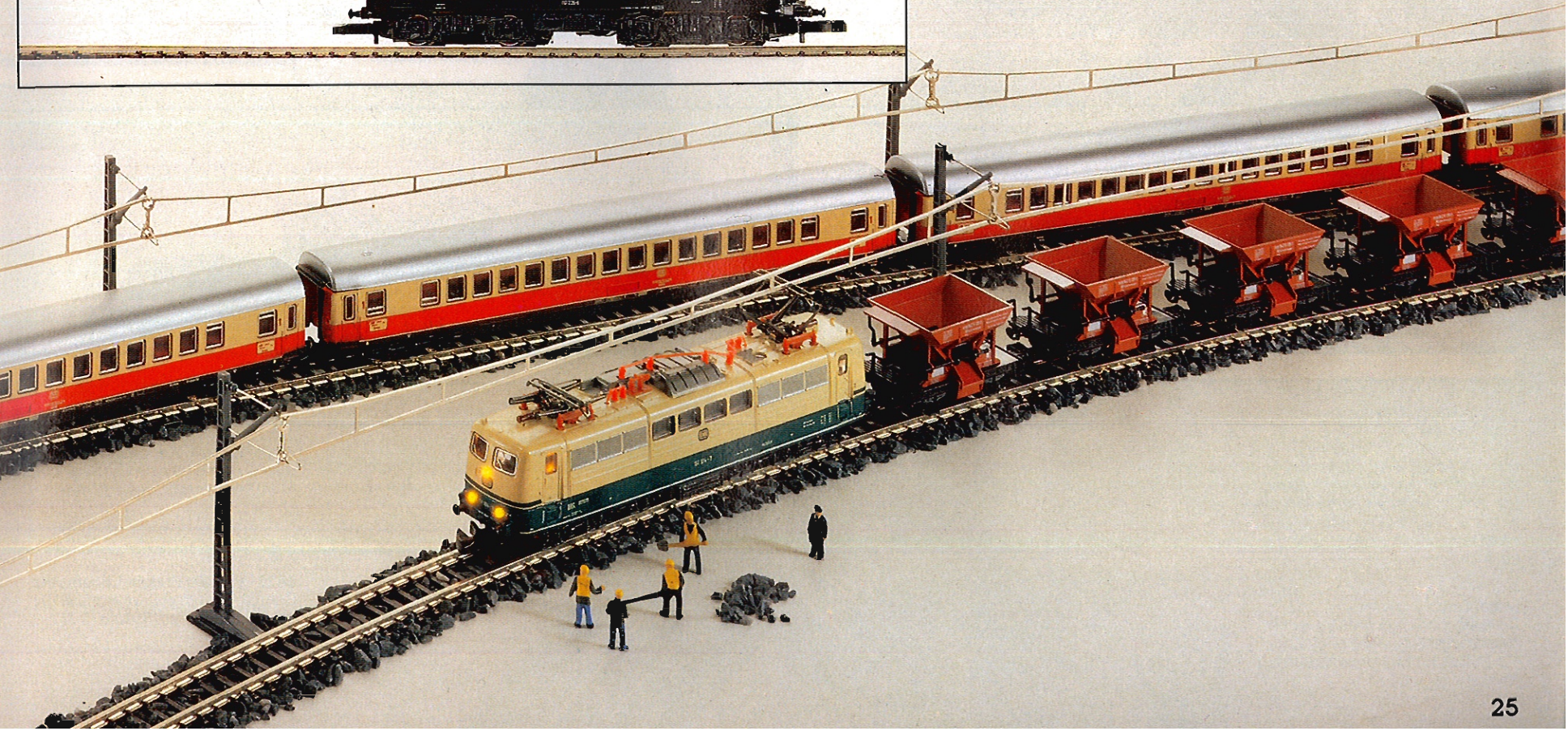
8839

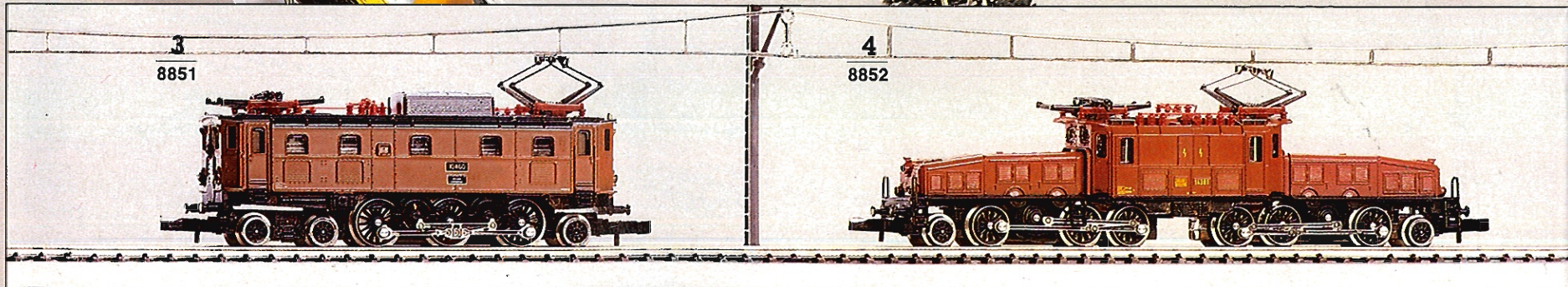


Important:
Operate mini-club trains only on Märklin 8 V DC power packs.
Operation on higher voltages may damage engine.

Electrics will work off the catenary (pages 62/63). Be sure to add the overhead wires for genuine pantograph operation.

Models are illustrated in actual size





Locomotives shown here feature:

Both trucks powered · Three working headlights at each end, illuminated according to direction · Operates from track current or from overhead wires · Metal trucks · Automatic couplers at each end

Q = 8953

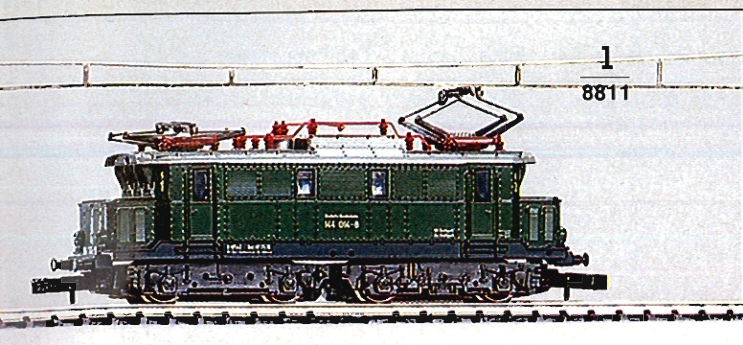
Important:
Operate mini-club trains only on Märklin 8 V DC power packs.
Operation on higher voltages may damage engine.

1

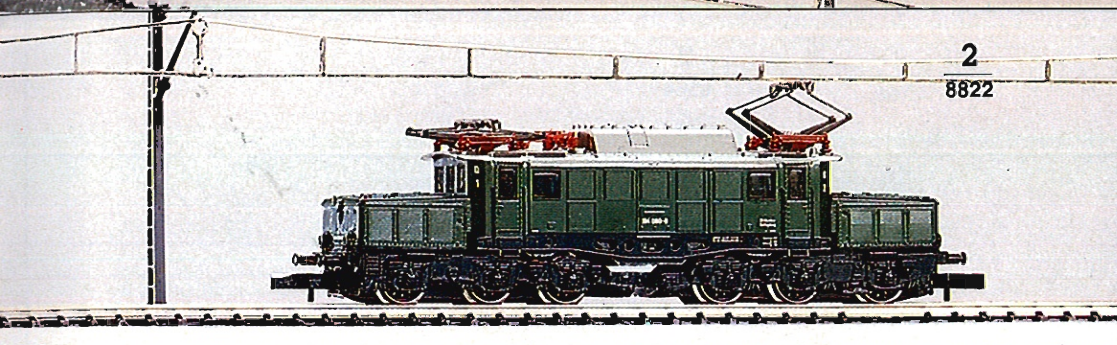
8811 · Electric Passenger Locomotive · German Federal Railways' class 144 · Length over buffers 68 mm (2-1/16")

2

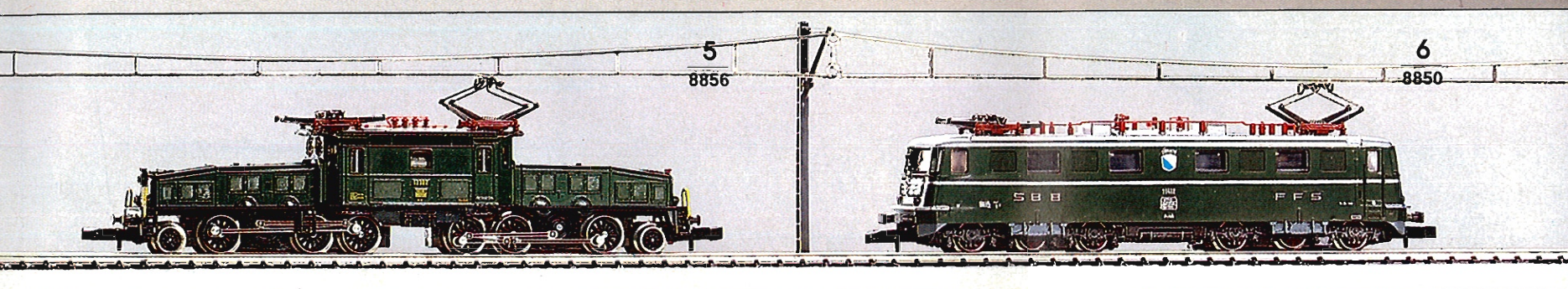
8822 · Electric Freight Locomotive · German Federal Railways' class 194 · Length over buffers 85 mm (3-3/8")



1
8811



2
8822



5
8856

6
8850

3 Switzerland

8851 · Electric Express Locomotive · Swiss Federal Railways' (SBB) class Ae 3/6^{III} · Length over buffers 64 mm (2-½")

Q = 60210

The "Crocodile" is one of the most interesting locomotives in the world. This powerful brute, even in mini-club format, is a bruiser, stretching 91 mm (3-5/8") end to end. Thanks to articulation, it can negotiate all mini-club curves.

0356 · Crocodile Book · By H. S. Stammer · The most comprehensive publication on the famous Swiss crocodiles, full of dates and facts, serious history and humorous anecdotes · Fabulous illustrations of the various models made by Märklin over the last 50 years · 96 pages · Size 26.4 x 22 cm (10-½" x 8-¾") · German text

4 Switzerland

8852 · Electric Freight Locomotive · Swiss Federal Railways' (SBB) class Ce 6/8^{III} (Crocodile) · Length over buffers 91 mm (3-5/8")

5 Switzerland

8856 · Electric Freight Locomotive · Swiss Federal Railways' (SBB) class Be 6/8^{III} (Crocodile) · Length over buffers 91 mm (3-5/8")

6 Switzerland

8850 · Electric Multi-Purpose Locomotive · Swiss Federal Railways' (SBB) class Ae 6/6 · Length over buffers 87 mm (3-½")

Illustrations are actual size

Diesels and Self-Propelled Cars

Models are illustrated
in actual size

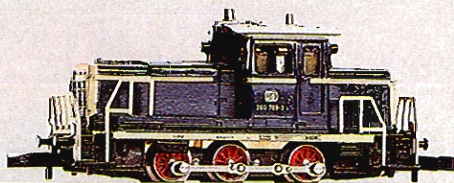
Important:
Operate mini-club trains only on
Märklin 8 V DC power packs.
Operation on higher voltages may
damage engine.

Features of the Diesels and Self-Propelled Cars

All trucks powered · Illuminated triple
headlights at each end (except for
8802, 8804 and 8864) · Colorful
bodies · Metal underframes · Auto-
matic couplers at each end (except
8802)

⊗ = 8953

1
8804



2
8864



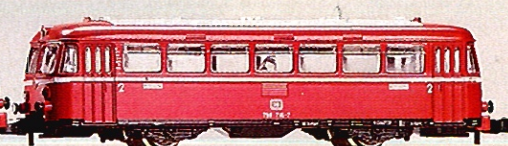
5
8802



6
8816

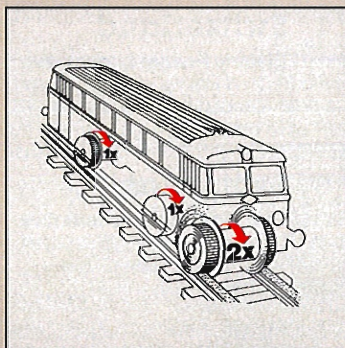


7
8817



How the Track Cleaning Car Works

The vehicle has two powered axles.
The rear wheels are grooved to pro-
vide better traction. Two track cleaning
grooved wheels are located ahead of
the front axle. These rotate faster than
the driving wheels, causing dirt to be
thrown off the tracks.



1

8804 · Diesel · German Federal Railways' class 260 · Metal body · Length over buffers 49 mm (1-15/16")

3

8875 · Diesel · German Federal Railways' class 216 · Triple headlights, illuminated according to direction · Length over buffers 75 mm (3")

5

8802 · Track Cleaning Car · 2 powered axles · Automatic coupler at rear end · Length over buffers 62 mm (2-7/16")

6

8816 · Railbus · German Federal Railways' class 798 · Length over buffers 62 mm (2-7/16")

8

8821 · Express Diesel · German Federal Railways' class 221 · Triple headlights, illuminated according to direction · Length over buffers 84 mm (3-3/8")

2

8864 · Diesel · German Federal Railways' class 260 · Metal body · Length over buffers 49 mm (1-15/16")

4

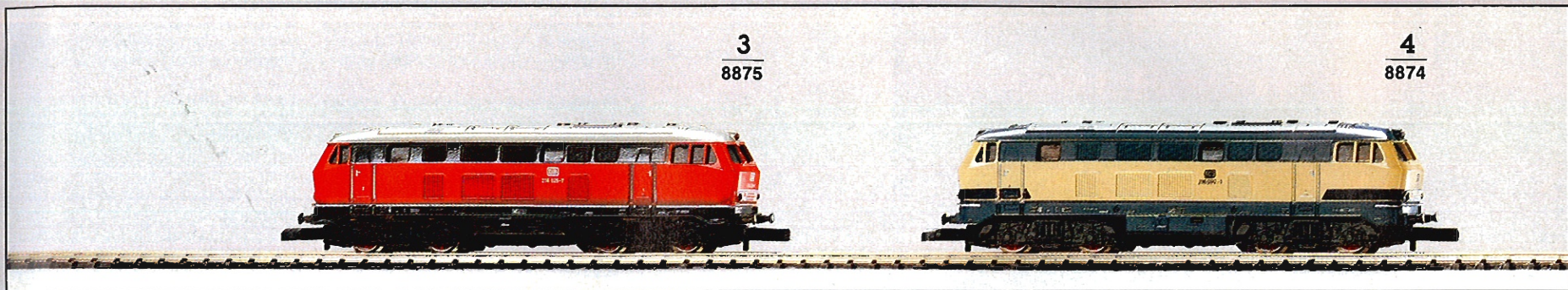
8874 · Diesel · German Federal Railways' class 216 · Triple headlights, illuminated according to direction · Length over buffers 75 mm (3")

7

8817 · Railbus Trailer · German Federal Railways' class 998 · Length over buffers 62 mm (2-7/16")

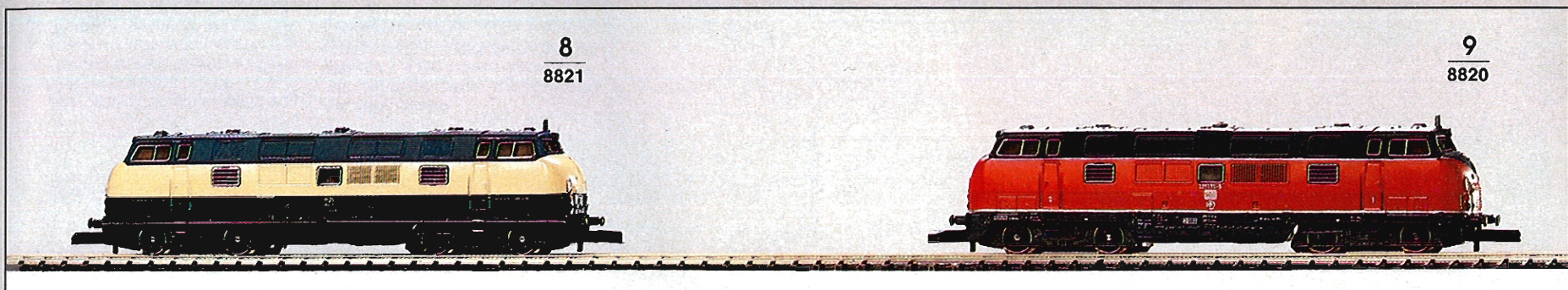
9

8820 · Express Diesel · German Federal Railways' class 221 · Triple headlights, illuminated according to direction · Length over buffers 84 mm (3-3/8")



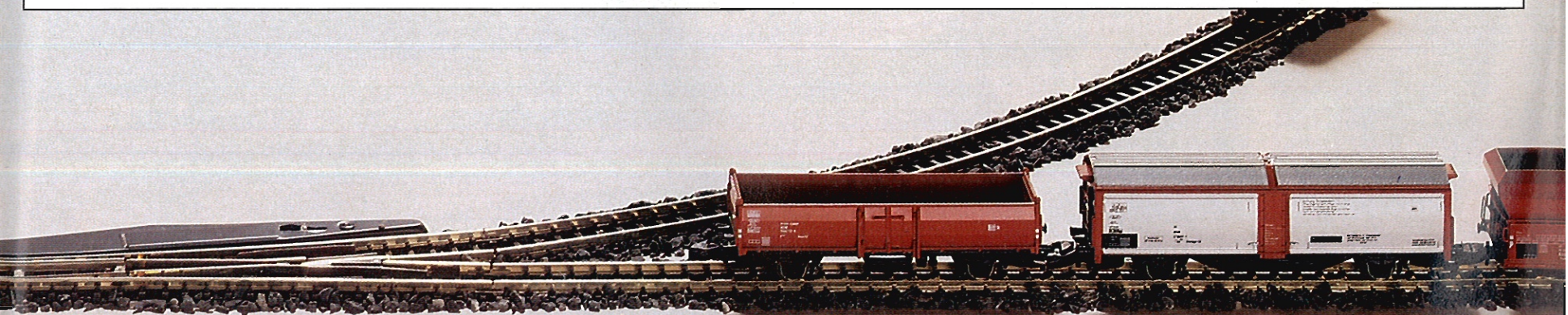
3
8875

4
8874



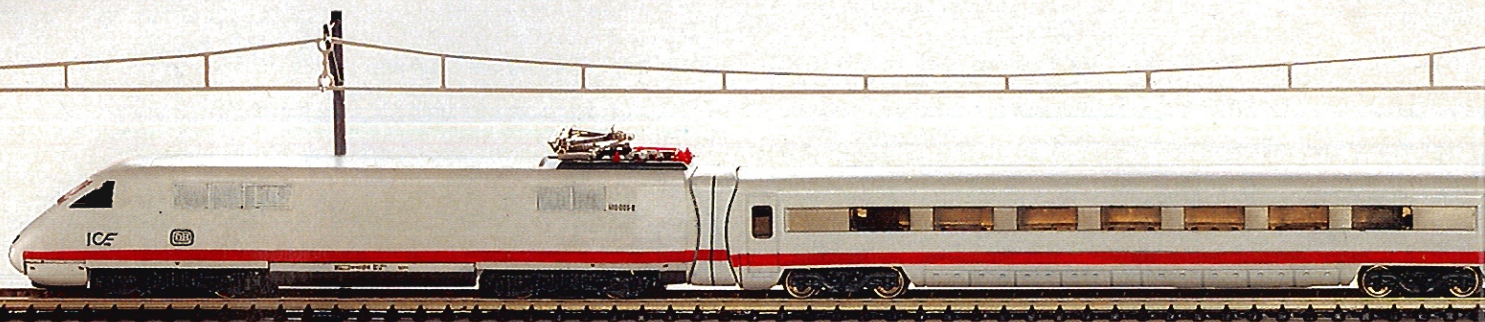
8
8821

9
8820



1 NEW

8871



1

8871 · Self-Propelled Train · German Federal Railways' ICE (Inter City Experimental) · 4 parts · 2 motorized units and two coaches

Power Units: 4 powered axles · Colorful body · Metal underframe

Coaches: Colorful · Interior lighting

The 4 units are connected to each other with special couplers · Special diaphragms give the train an almost seamless appearance · Three white headlights and two red tail lights at each end, illuminated according to direction · Length of the model 412 mm (1' 3-1/4")

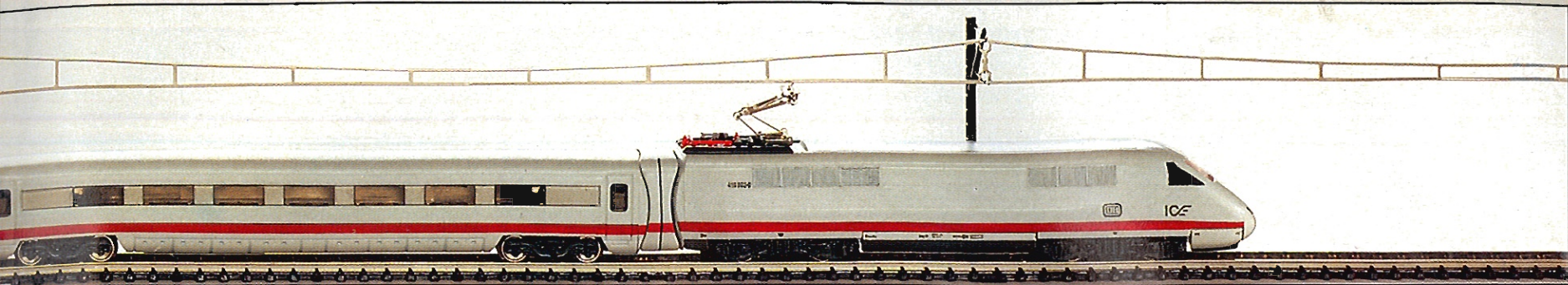
🔌 for power unit = 26906

🔌 for coaches = 8953

■ On the occasion of the 150th anniversary of German railroading, the German Federal Railways presents the latest development in high speed travel: the Inter City Experimental. In cooperation with the Federal Ministry of Research and with German Industry, the latest advances in vehicular technology were incorporated. On demonstration runs, the train has already sped at 250 kmph (155 mph) and should be able to top 350 kmph (217 mph) on special test tracks.

For aerodynamical reasons, the ICE was conceived as a self-propelled train, consisting of two power units and up to six coaches. The power unit is ruggedly constructed of steel with an eye-pleasing streamlined shape and a dramatic front end made of fiberglass-reinforced plastic. The





4 AC motors are essentially identical to those used in the Class 120 electric locomotives and have an output of 4200 kW. Propulsion, as well as braking, are controlled by microcomputers.

The coaches run on newly developed trucks which were designed for comfort and top speed. Lightweight metals were used for construction and the windows and doors are designed and installed to give the coach a smooth, seamless appearance. A modular system was utilized for interior furnishings so that the interiors could be changed easily. Thus, one of the coaches was converted into a measuring and testing car.

Special diaphragms are used to connect the cars. The diaphragms mate so well with the cars' exteriors that it makes the train look as if it is one solid car. This streamlining makes the train set run quieter and cuts down on wind resistance.

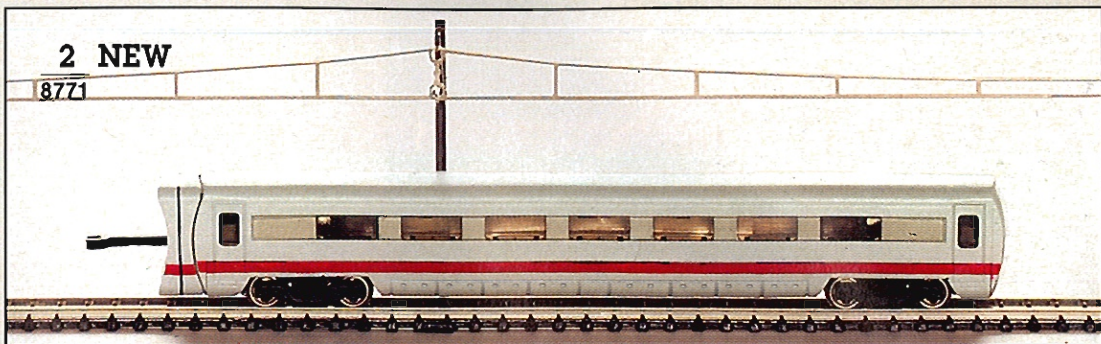
Test runs of the ICE will commence in mid-1985. The train will enter regular service in the fall of 1985 as part of the 150th anniversary celebrations. By 1990, the German Federal plans to have 20 ICE trains in operation.

Important:
Operate mini-club trains only on Märklin 8 V DC power packs.
Operation on higher voltages may damage engine.

Models are illustrated in actual size

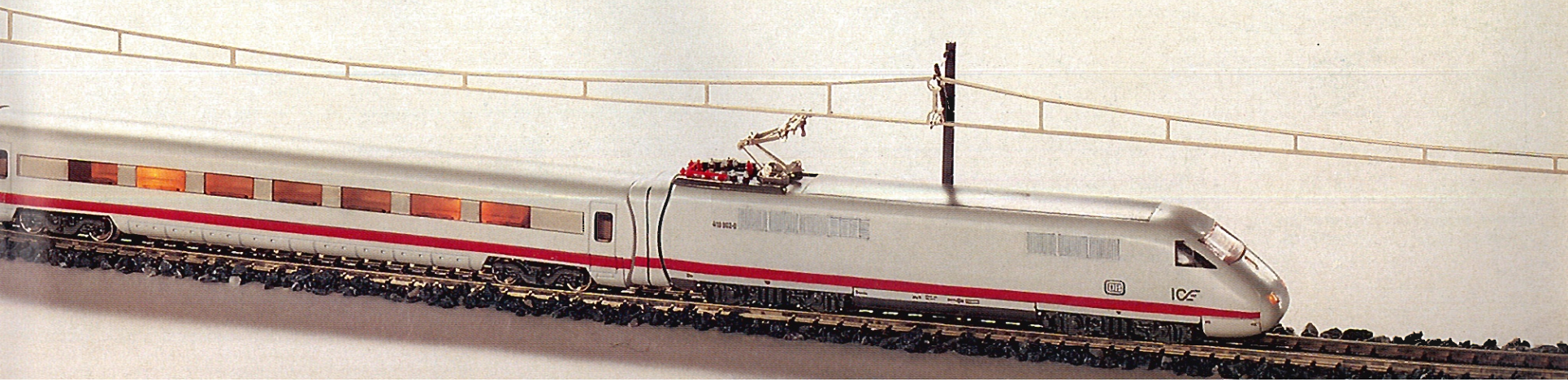
2 NEW

8771



2

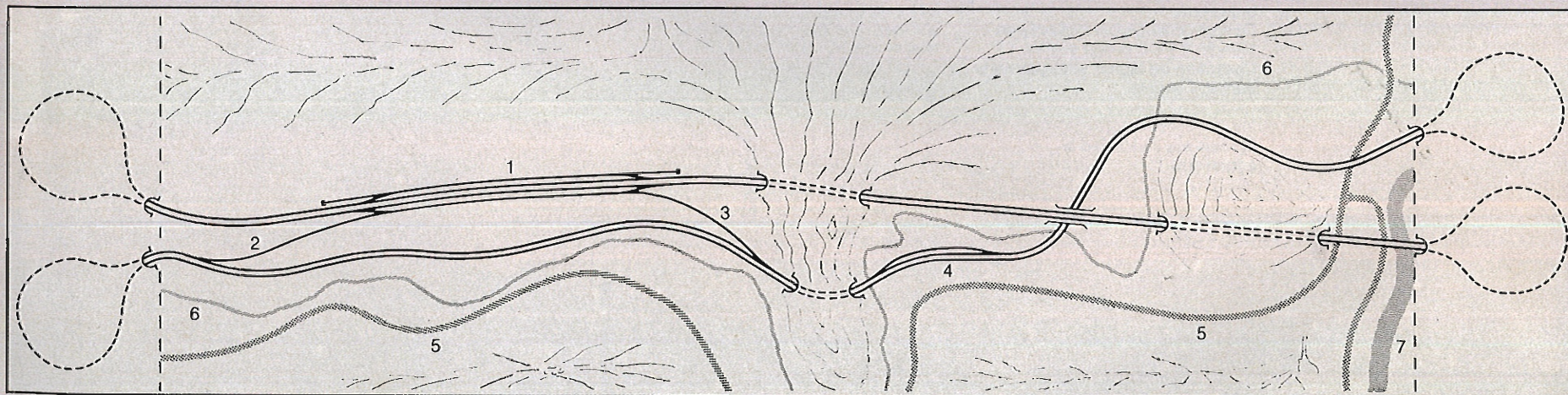
8771 · ICE Coach · Mates with 8871 ICE train · Flexible diaphragms · Interior lighting · Special couplers · Length 110 mm (4-3/8")
 Q = 8953



The New Dimension in Layout Construction

mini-club's scale, the smallest electric railway in the world, makes it possible to model virtually any prototype railroad down to the smallest detail. The mini-club display layouts of the Geislinger Grade and the line between Loreley and Roßstein, have proven that beyond a doubt.

Recently, the German Federal Railroad authorities in Nürnberg made use of mini-club for a special project: The 12 km (7-½ miles) stretch between Burgsinn and Gemünden/Main of the new line between Hannover and Würzburg faithfully reproduced in mini-club in only 7 meters (22' 9").



Track plan for the 700 x 160 cm (22' 9" x 5' 10") mini-club layout is shown scaled 1:33. Hidden return loops are shown by dashed lines.

- 1 = Transition Station Burgsinn
- 2 = Northern feeder track
- 3 = Southern feeder track
- 4 = Rieneck station
- 5 = Country road
- 6 = Sinn River
- 7 = Main River



At the southern end of Burgsinn, a connecting track branches off to the old line.

On the new line, engines of classes 103 (8854), 120 (8853), 151 (8857/8858) and soon also the ICE (8871) zip by, while on the old track, locomotives of the classes 144 (8811) and 194 (8822) trundle along.

This aerial photo shows the two lines clearly. To the right is the old line and the new line is on the left. The transition station, Burgsinn, is clearly seen.

The old route runs close to populated areas and its steep grades and extreme changes in elevation allow only relatively slow train speeds.

The new line is built far from populated areas. The absence of curves and steep grades allows high-speed operation on this route.





The old line passes Rieneck on the Sinn bridge. The mixed forest was realized by using 8,500 trees!



The crossing of the Main Valley bridge concludes this trip from Burgsinn to Gemünden/Main.

At Rieneck, the new line crosses the old line which runs through the scenic Sinn valley.

Comparing the two lines on this scaled down version one can clearly see the technical innovations used in the construction of the new track. For example, wooden ties were used on the original old line, whereas modern concrete ties and concrete catenary masts are employed on the new line.

This highly detailed layout is on display in the German Transportation Museum in Nürnberg.

With mini-club in the American West

Does the scenic grandeur of the American West fascinate you? Then, now is the time to capture this exciting landscape in mini-club. Just a few rocks, some real cactus and a little imagination and presto, the deserts of Nevada come to life. And now the new USA cars and locomotives from mini-club complete the scene.





Features of these Diesels

All wheels powered · Double headlights at cab end · Colorful bodies · Metal underframe · Automatic couplers at each end · Front coupler can be replaced with a pilot

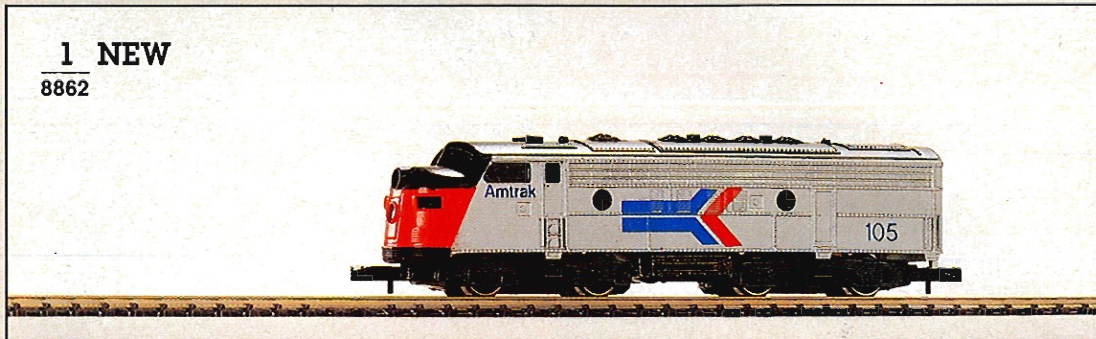
Q = 8953

Models are illustrated in actual size

Important:
Operate mini-club trains only on Märklin 8 V DC power packs.
Operation on higher voltages may damage engine.

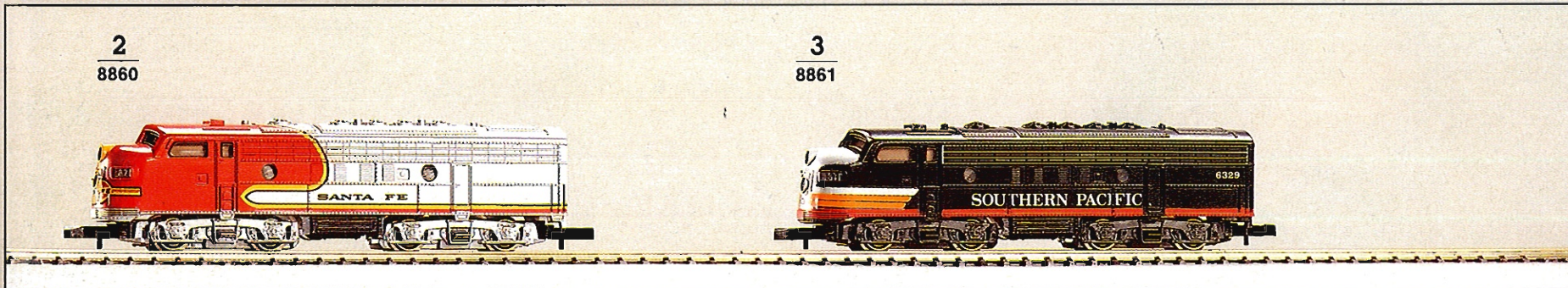
1 NEW

8862



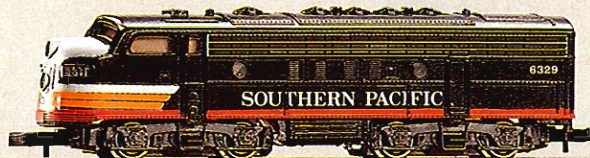
2

8860



3

8861



1 USA

8862 · Diesel · General Motors EMD F 7 lettered for Amtrak (National Railroad Passenger Corporation) · Length 74 mm (3")

■ During the 1960s, America's railroads lost much of their share of a passenger traffic to the private car, bus and plane. Losses from continued operation of passenger service threatened the financial well-being of many privately owned railroads. As a result of this, the US government and 20 railroads organized the National Railroad Passenger Corporation in

1970, with the express purpose to operate passenger trains. Under the tradename "Amtrak", a market-oriented network using modernized equipment was developed which has succeeded in again reintroducing millions of travelers to the adventure and fun of the passenger train.

Over the years, the Amtrak roster of cars and engines has gradually been upgraded and modernized. Much of their original equipment was inherited from the individual carriers as, for example, the Burlington Northern F 7 diesels, and was merely given a new paint scheme.

Spare Parts for Locomotives

Locomotive	8800	8801	8802	8803	8804	8811	8816	8820	8821	8822	8827	8839	8842	8850
Brushes	8987	8987	8988	8987	8987	8989	8988	8989	8989	8989	8989	8989	8989	8988
Bulbs		8953		(8953)		8953	8953	8953	8953	8953	8953	8953	8953	8953
Pantograph						8955				8955		8955	8955 (8956)	8955

7199 · Bottle of Oil · 9 ml of special oil for lubricating engines and cars

2 USA

8860 · Diesel · General Motors
EMD F7 lettered for the Atchison,
Topeka & Santa Fe · Length 74 mm
(3")

3 USA

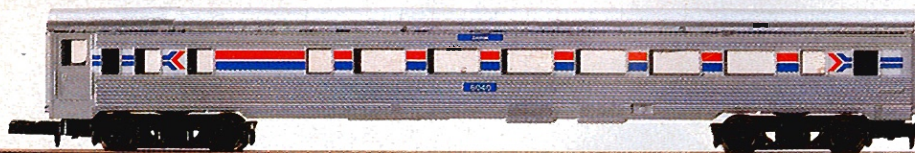
8861 · Diesel · General Motors
EMD F7 lettered for Southern Pacific ·
Length 74 mm (3")



8851	8852	8853	8854	8855	8856	8857	8858	8860	8861	8862	8864	8871	8874	8875	8884	8885	8891	8892	8893	8895	8896	8899	
8989	8989	8989	8988	8989	8989	8988	8988	8989	8989	8989	8987	8989	8988	8988	8989	8989	8989	8989	8989	8987	8989	8989	
60210	8953	8953	8953	8953	8953	8953	8953	8953	8953	8953		26906 8953	8953	8953	8953	8953	8953	8953	8953	8953	8953	8953	
8955	8955	8956	8955 (8956)	8955 (8956)	8955	8955	8955					8956											

1 NEW

8760



2 NEW

8761



Streamlined Passenger Cars
of the National Railroad Passenger
Corp. - Amtrak

1 USA

8760 · Coach · Length 115 mm
(4-9/16")

2 USA

8761 · Diner · Length 115 mm (4-9/16")

3 USA

8762 · Sleeper · Duplex Roomette
configuration · Length 115 mm (4-9/16")

4 USA

8763 · Dome Lounge · Length
115 mm (4-9/16")

5 USA

8764 · Baggage Car · Length 98 mm
(3-7/8")

6 USA

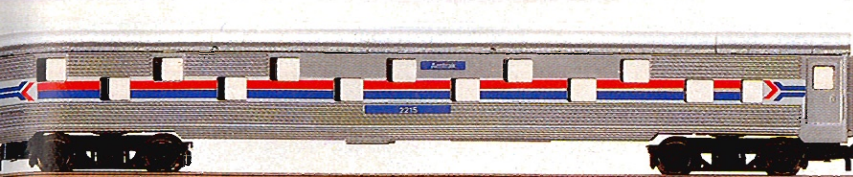
8765 · Observation · Chair car ·
Length 108 mm (4-3/8")

■ Amtrak acquired some 1200 passenger cars from the various private companies, about one-third of which were inherited from the Atchison, Topeka & Santa Fe. Almost all of the cars were the stainless steel streamlined cars built during the 1950s as part of the last great effort of the American railroads to make rail travel attractive. Under Amtrak's ownership, these cars have been largely rebuilt and once again offer passengers a comfortable means of transportation. Long-distance passenger trains in America usually consist of coaches and sleepers with a diner, a dome car or two and an observation-club car.

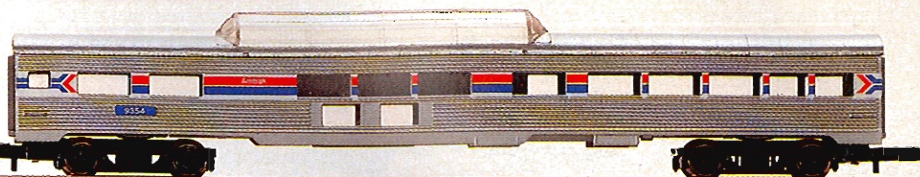
Models are illustrated
in actual size



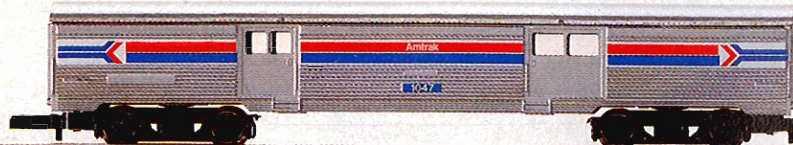
3 NEW
8762



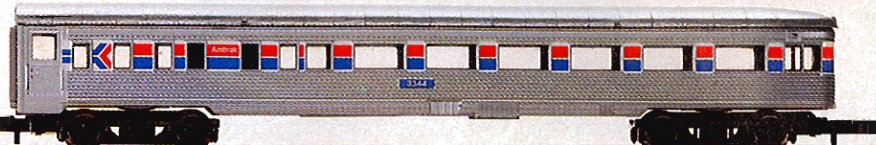
4 NEW
8763



5 NEW
8764



6 NEW
8765



Freight Cars

1
8611



2
8612



3
8613



4
8614



1
8611 · Tank Car · Shell · Length
40 mm (1-9/16")

4
8614 · Tank Car · BP · Length
40 mm (1-9/16")

7
8627 · Tank Car · Aral · Length 75 mm
(3")

2
8612 · Tank Car · Esso · Length
40 mm (1-9/16")

5
8625 · Tank Car · Shell · Length
75 mm (3")

8
8628 · Tank Car · BP · Length 75 mm
(3")

3
8613 · Tank Car · Aral · Length
40 mm (1-9/16")

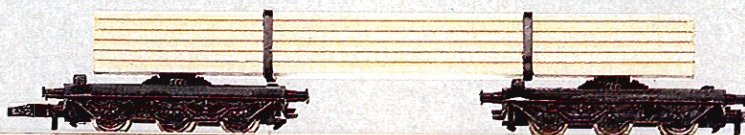
6
8626 · Tank Car · Esso · Length
75 mm (3")

9
8619 · Disconnected Lumber Car ·
In 2 parts · Loaded with finished
lumber · Length 93 mm (3-5/8")

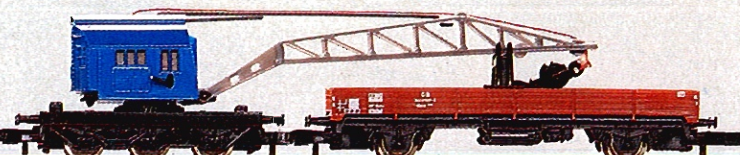
5
8625



9
8619



10
8621



12
8637



13
8638



14
8636



10

8621 · Crane Car · Rotating crane with moveable boom and boom support · Hook can be raised and lowered by hand · Length of under-frame 35 mm (1-3/8") · (Low-side gondola 8610 shown in photo not included, but recommended as idler car)

11

8620 · Depressed-Center Flat Car · Loaded with Transformer · Length 154 mm (6-1/16")

12 USA

8637 · Box Car · Chicago, Milwaukee, St. Paul & Pacific (The Milwaukee Road) · Length 72 mm (2-7/8")

13 USA

8638 · Gondola · Reading · Length 67 mm (2-5/8")

14 USA

8636 · Caboose · Atchison, Topeka & Santa Fe · Access ladders · Length 51 mm (2-1/16")

15 USA

8641 · Box Car · Union Pacific · Length 72 mm (2-7/8")

16 USA

8642 · Gondola · Soo Line · Length 67 mm (2-5/8")

17 USA

8640 · Caboose · Southern Pacific · Access ladders · Length 51 mm (2-1/16")

6

8626

7

8627

8

8628



11

8620



Illustrations are actual size

15

8641

16

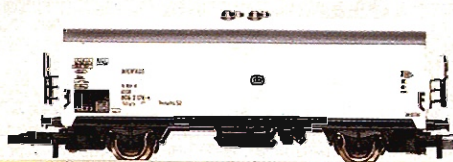
8642

17

8640



1
8600



2
8633



3
8631



4
8606



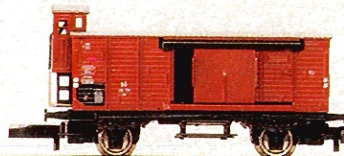
8
8609



9
8610



14 NEW
8639



15
8624



16
8630



Models are illustrated
in actual size

1
8600 · Refrigerator Car · German Federal Railways' lchqs-u³⁷⁷ (lchqrs 377) · Length 54 mm (2-1/8")

2
8633 · Refrigerator Car · Capri-Sonne · Length 54 mm (2-1/8")

3
8631 · Refrigerator Car · Sinalco soft drink company · Length 54 mm (2-1/8")

4
8606 · Boxcar · German Federal Railways' lbbbs · Length 54 mm (2-1/8")

5
8648 · Beer Car · Dinkelacker · Length 54 mm (2-1/8")

6
8634 · Beer Car · König-Pilsener · Length 54 mm (2-1/8")

7 Switzerland
8632 · Beer Car · Eichhof · Length 54 mm (2-1/8")

8
8609 · Package Car · DB-Dg · Sliding doors on each side · Length 40 mm (1-9/16")

9
8610 · Low-Side Gondola · Length 54 mm (2-1/8")

5
8648



6 NEW
8634



7
8632



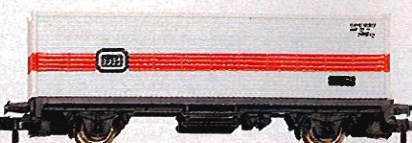
10
8622



11
8605



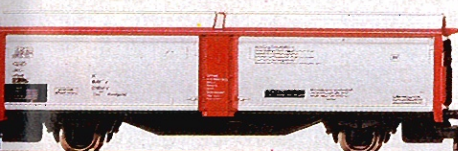
12
8615



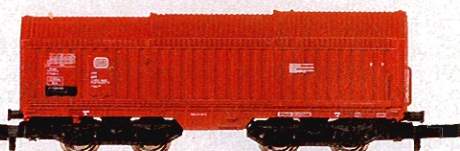
13
8617



17
8623



18
8635



10

8622 · Gondola · German Federal Railways' E⁰³⁷ (Omm 52) · Length 54 mm (2-1/8")

12

8615 · Container Car · Length 54 mm (2-1/8")

14

8639 · Boxcar with Brakeman's Cab · German Federal Railways' G 10 · Operating doors both sides · Length 40 mm (1-9/16")

16

8630 · Self-Unloading Hopper Car · German Federal Railways' Fals¹⁷⁶ (Fads 176) · Length 53 mm (2-1/16")

18

8635 · Telescoping Freight Car · German Federal Railways' Shimms⁷⁰⁸ (Shis 708) · Length 55 mm (2-1/8")

11

8605 · Boxcar · German Federal Railways' Gos-u²⁵³ (Gbrs 253) · Length 54 mm (2-1/8")

13

8617 · Container Car · Length 54 mm (2-1/8")

15

8624 · Ballast Car of the German Federal Railways · Equipped with Talbot self-unloader · Operating chute · Used in work trains · Length 33 mm (1-3/10")

17

8623 · Bulk-Freight Car · German Federal Railways' Tbis⁸⁷⁰ · Sliding roof, sliding sides · Length 64 mm (2-7/10")

Passenger Cars

Coaches of the former German provincial railways

1
8700 · **Coach** · Württemberger Railways · Length 60 mm (2-3/8")

2
8701 · **Coach** · Württemberger Railways · Length 60 mm (2-3/8")

3
8730 · **Express Coach** · Royal Bavarian State Railways' type CCü · 3rd class · Length 87 mm (3-3/8")

Cars of the former German State Railways

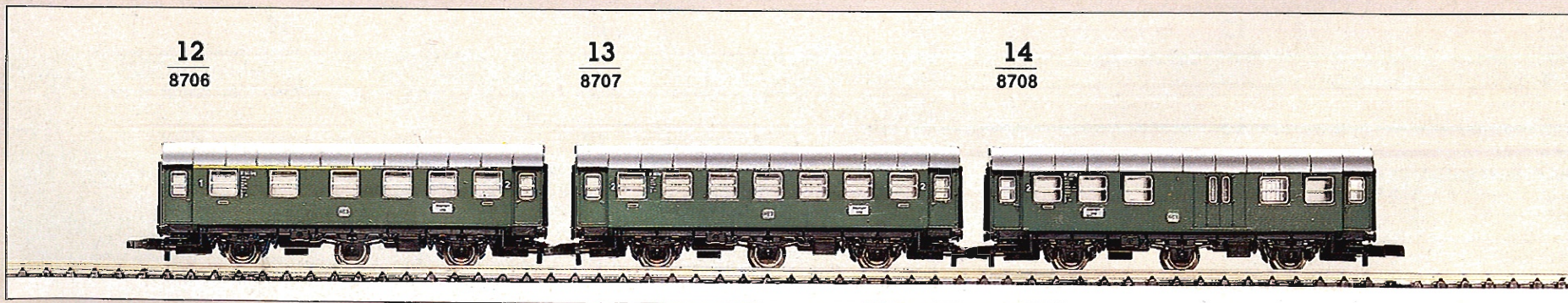
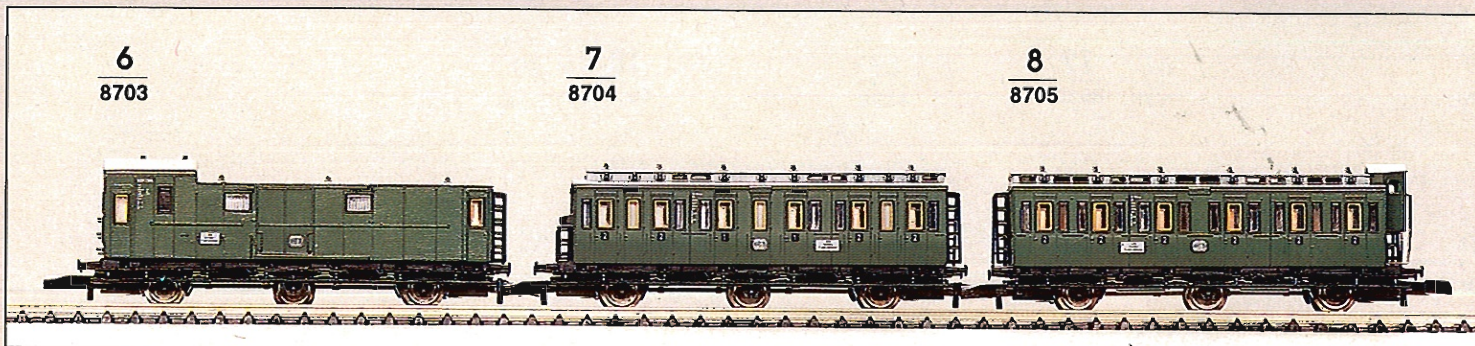
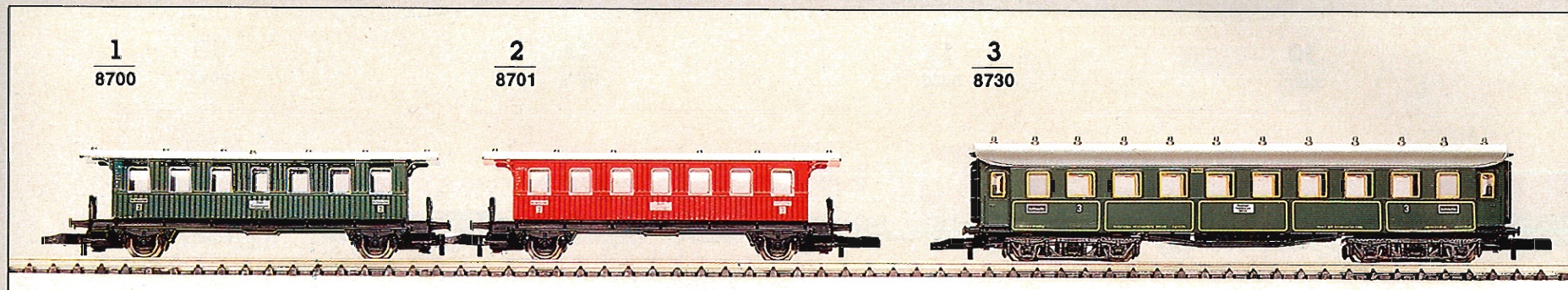
4
8731 · **Express Coach** · Type C4ü bay 11 · 3rd class · Length 87 mm (3-3/8")

5
8732 · **Express Baggage Car** · Type Pw4ü bay 09 · Length 78 mm (3-1/16")

Cars of the German Federal Railways

6
8703 · **Baggage Car** · Former type Pw3-pr02 · Length 57 mm (2-1/4")

7
8704 · **Compartment Car** · Former type BC3-pr03 · Length 57 mm (2-1/4")



8

8705 · Compartment Car with Brakemen's Cab · Former type B3-pr03 · Length 57 mm (2-1/4")

9

8750 · Coach · Type ABi 29 · 1st and 2nd class · Length 63 mm (2-1/2")

10

8751 · Coach · Type Bi 29 · 2nd class · Length 63 mm (2-1/2")

11

8752 · Baggage Car · Type D2ie · Length 63 mm (2-1/2")

12

8706 · Coach · Type AB3yge · 1st and 2nd class · Length 61 mm (2-3/8")

13

8707 · Coach · Type B3yge · 2nd class · Length 61 mm (2-3/8")

14

8708 · Combine Car · Type BD3yge · 2nd class · Length 61 mm (2-3/8")

Cars of the Swiss Federal Railways (SBB)

15 Switzerland

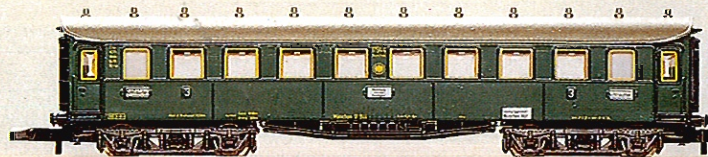
8748 · Express Coach · Older type C4ü · 3rd class · Length 87 mm (3-3/8")

16 Switzerland

8749 · Express Baggage Car · Older type F4ü · Length 91 mm (3-7/16")

Illustrations are actual size

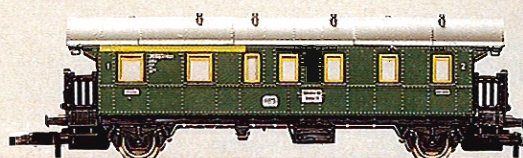
4
8731



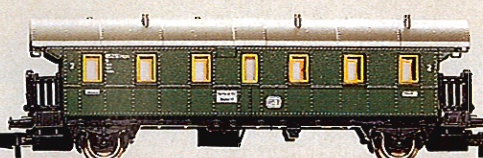
5
8732



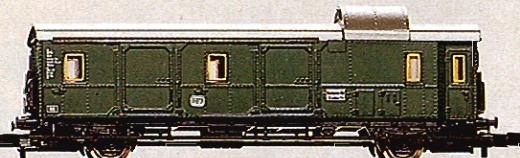
9
8750



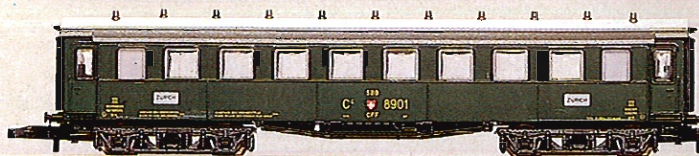
10
8751



11
8752



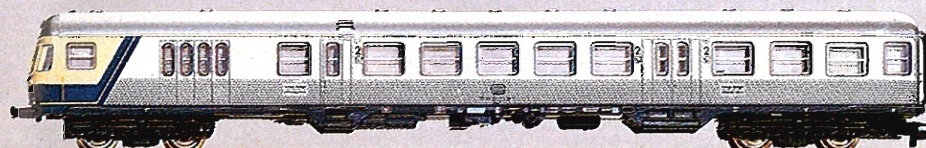
15
8748



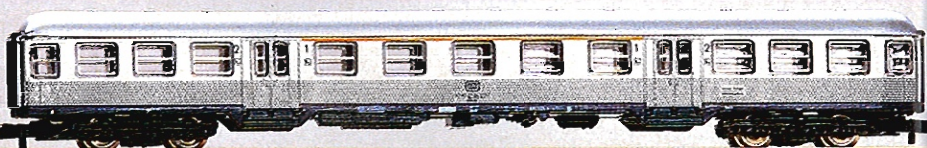
16
8749



1
8718



2
8717



4
8711



5
8713



Illustrations are
actual size

8
8714



Commuter Cars of the German Federal Railways

1

**8718 · Commuter Car with Baggage
Compartment and Brakeman's
Cab** · Type BDnf 735 · 2nd class ·
Three white headlights and two red
tail lights, illuminated according to
direction · Length 120 mm (4-3/4")

When the train runs control car first,
three white headlights shine from the
control car.

When the train runs diesel first, two red
tail lights shine from the control car.

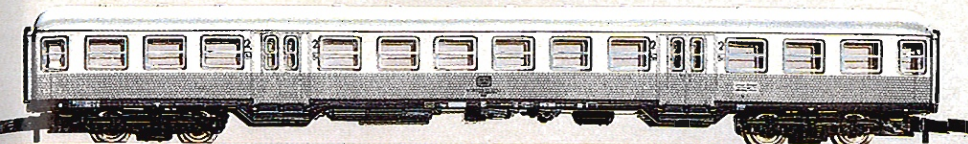
2

8717 · Commuter Car · Type
ABnrzb 704 · 1st and 2nd class ·
Length 120 mm (4-3/4")

3

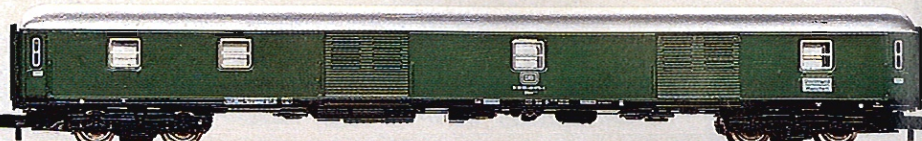
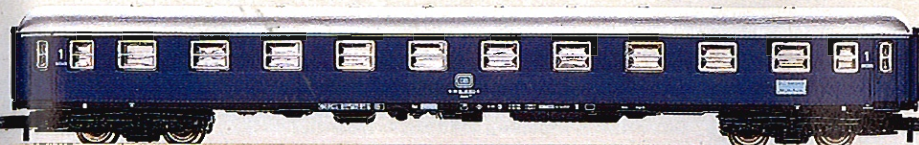
8716 · Commuter Car · Type
Bnb 719 · 2nd class · Length 120 mm
(4-3/4")

3
8716



6
8710

7
8712



Passenger Cars of the German Federal Railway

4

8711 · **Express Coach** · Type Bm ·
2nd class · Length 120 mm (4-3/4")

5

8713 · **Diner** · Type WRmh¹³²
(ex-WRümh 132) · Length 120 mm
(4-3/4")

6

8710 · **Express Coach** · Type Am ·
1st class · Length 120 mm (4-3/4")

7

8712 · **Baggage Car** · Type Dm⁹⁰²
(ex-Düm 902) · Length 120 mm (4-3/4")

8

8714 · **Auto Carrier** · Type DDm⁹¹⁵ ·
Includes 8 autos · Length 120 mm
(4-3/4")



Passenger Cars of the
German Federal Railways

1

8722 · Baggage Car · Type Dm⁹⁰²
(ex-Düm 902) · Length 120 mm (4-3/4")

3

8723 · Diner · Type WRmh¹³²
(ex-WRümh 132) · Length 120 mm
(4-3/4")

2

8720 · Express Coach · Type Am²⁰³
(ex-Aüm 203) · 1st class · Length
120 mm (4-3/4")

4

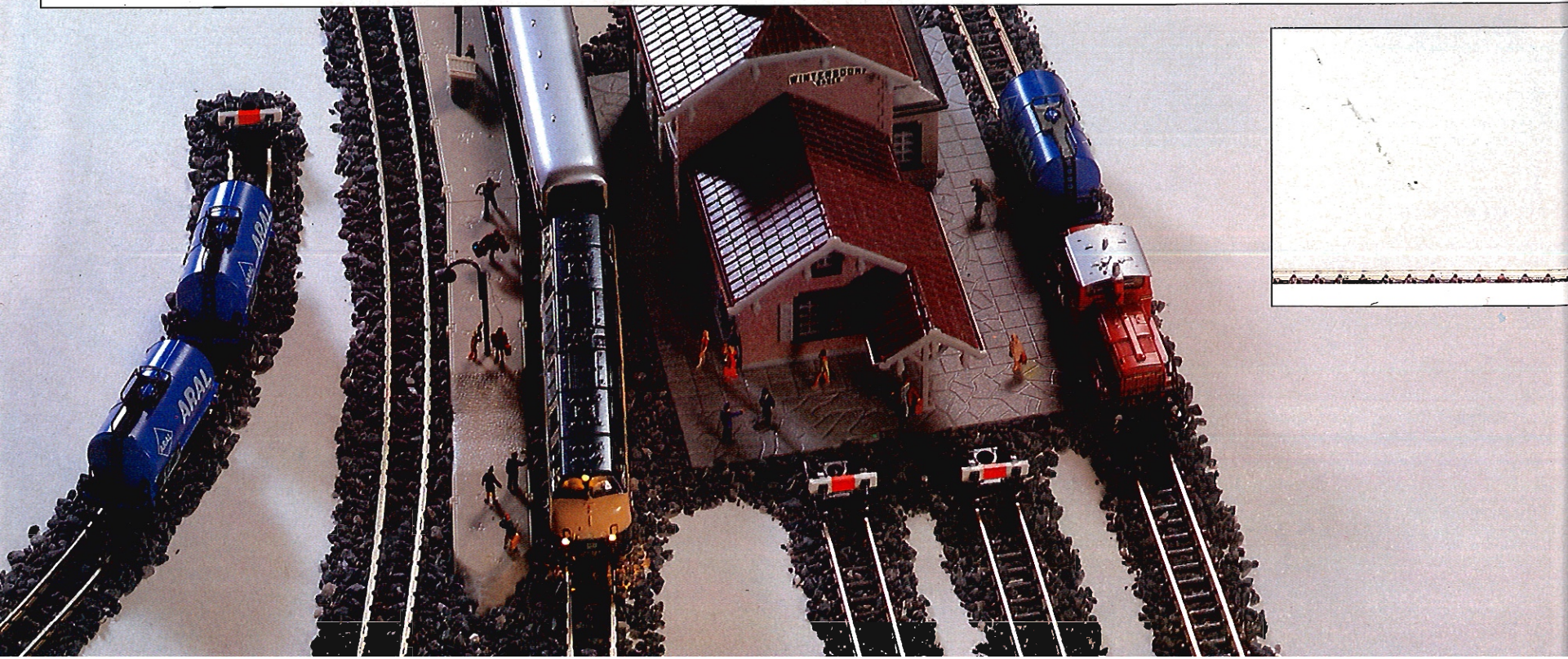
8721 · Express Coach · Type Bm²³⁴
(ex-Büm 234) · 2nd class · Length
120 mm (4-3/4")

1

8722

2

8720



EUROFIMA Cars

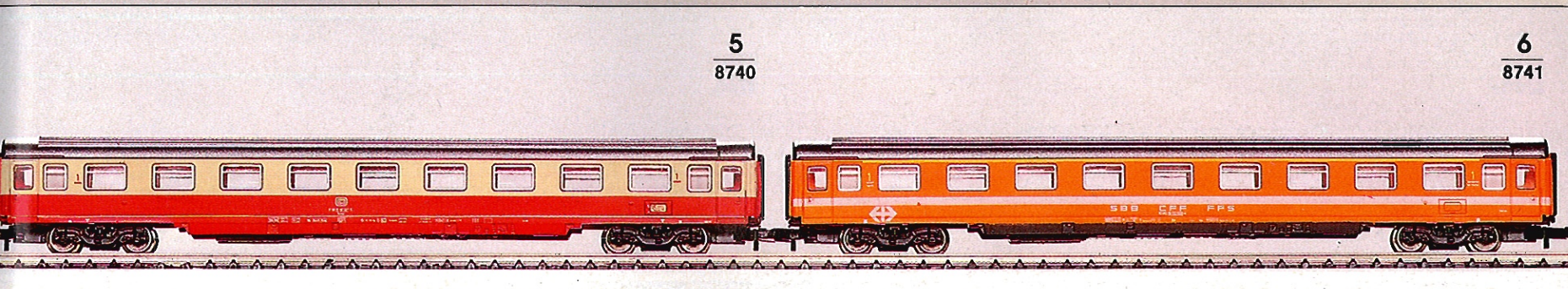
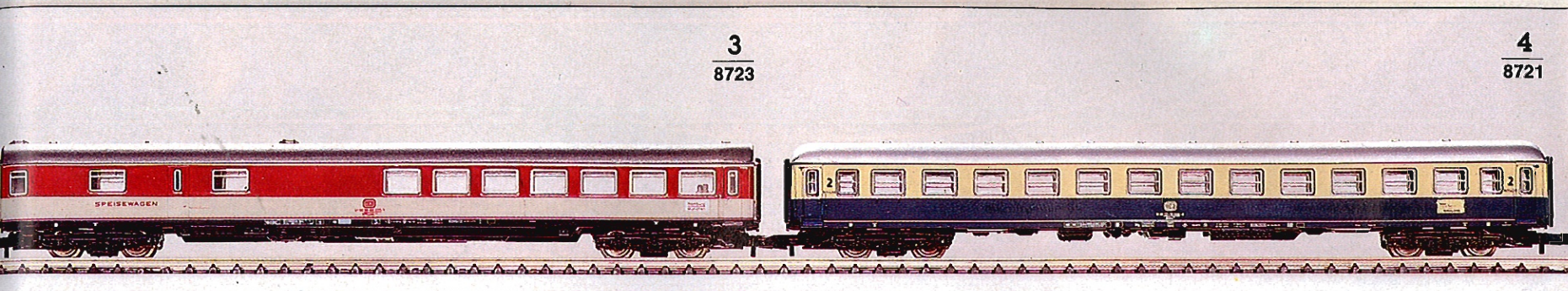
5

8740 · Express Coach · German Federal Railways' type Avnz²⁰⁷ (EUROFIMA A9) · 1st class · Length 120 mm (4-¾")

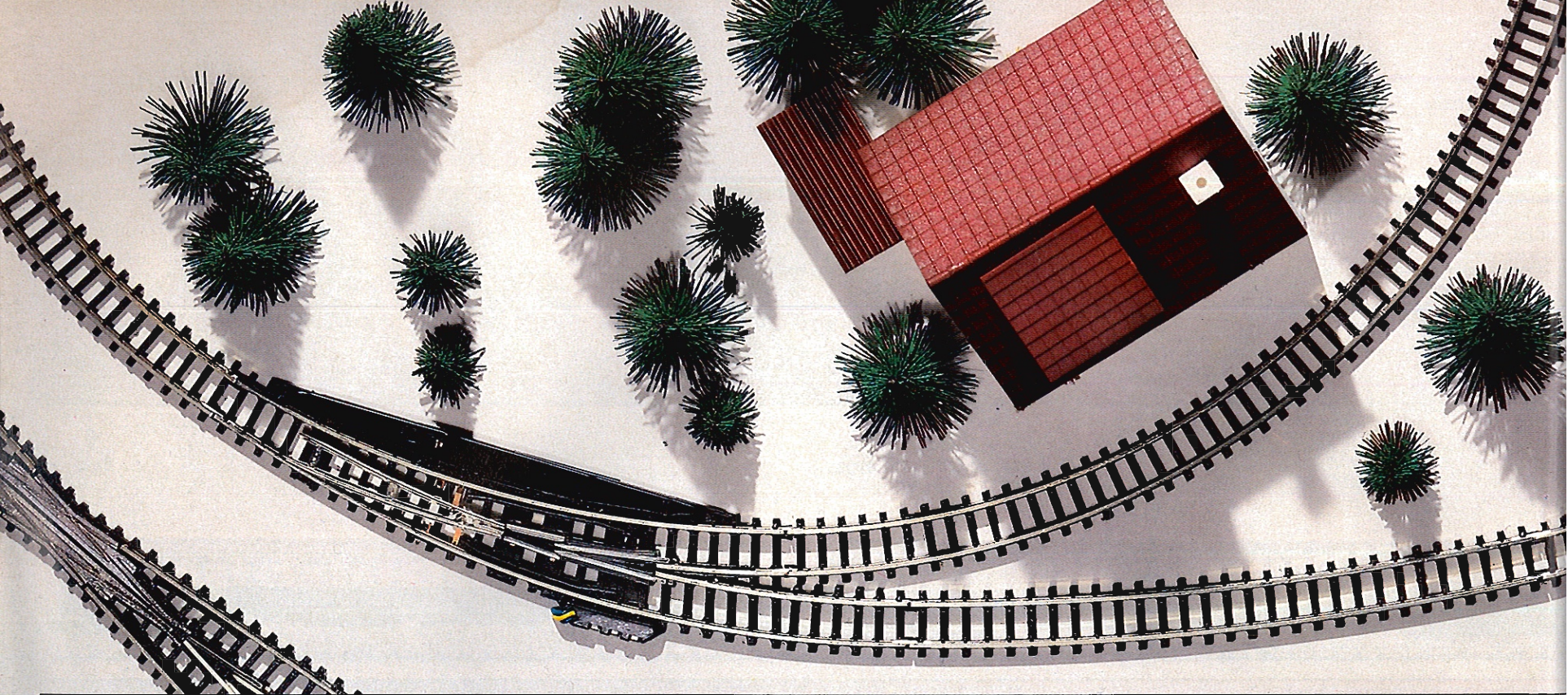
6 Switzerland

8741 · Express Coach · Swiss Federal Railways' (SBB) type Am Typ UIC-Z1 (EUROFIMA A9) · 1st class · Length 120 mm (4-¾")

■ The type A9 EUROFIMA coach was developed by a consortium of six European railroads. The German Federal Railways operates 100 and the Swiss Federal Railways fields 20 of the cars.

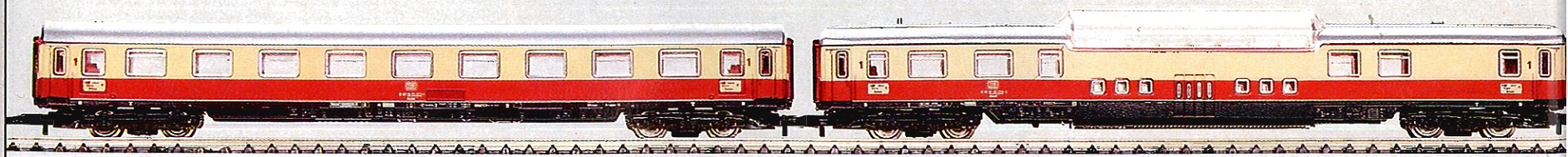


Illustrations are actual size



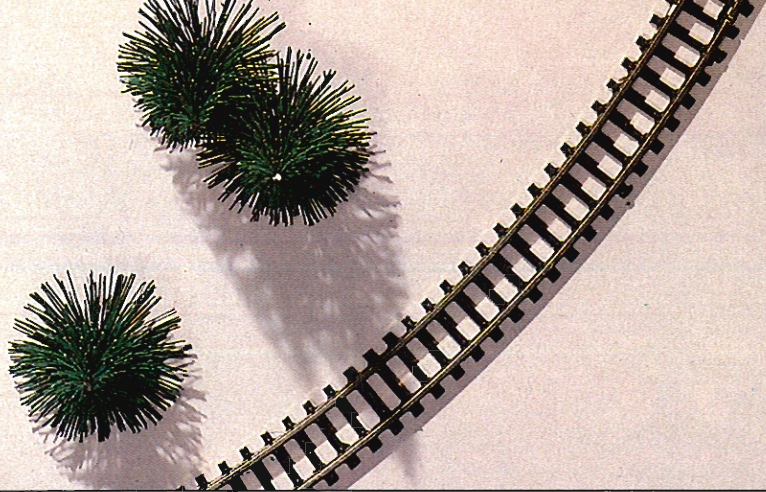
2
8724
8734

3
8728
8738

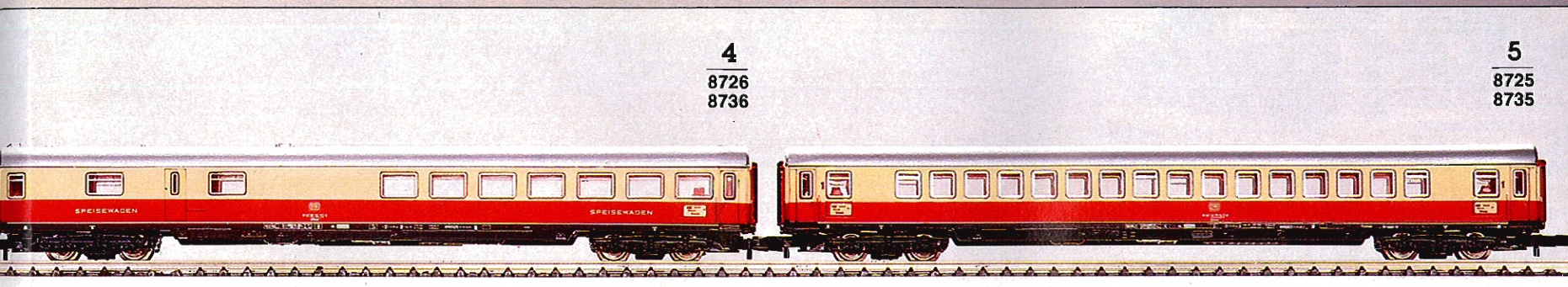
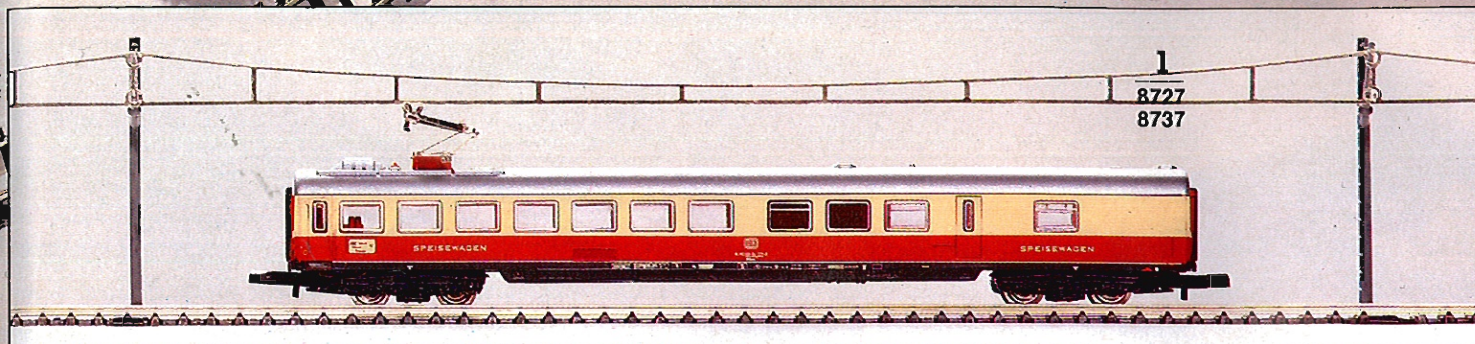


**TEE Cars of the
German Federal Railways**

The mini-club TEE cars are available
with or without lighting.



Illustrations are
actual size



1

8727 without lighting
8737 with lighting
TEE/IC Diner · Type WRmz 135 ·
Sprung modern style pantograph ·
Length 120 mm (4-3/4")

3

8728 without lighting
8738 with lighting
TEE Dome Car · Type ADm¹⁰¹
(ex-ADümh 101) · Length 120 mm
(4-3/4")

5

8725 without lighting
8735 with lighting
TEE/IC American Style Coach · Type
Apmz¹²¹ (ex-Apümz 121) · Length
120 mm (4-3/4")

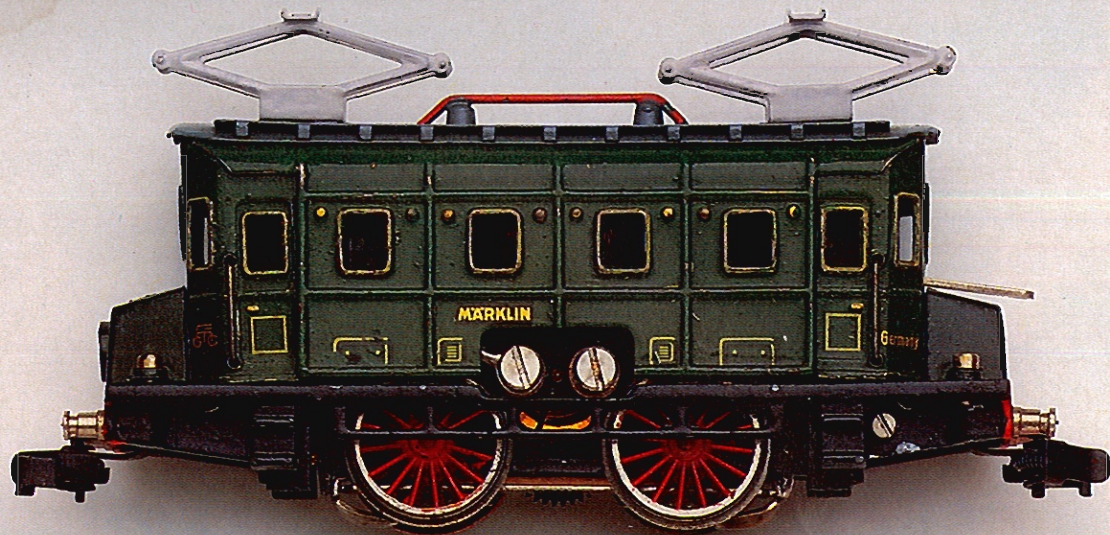
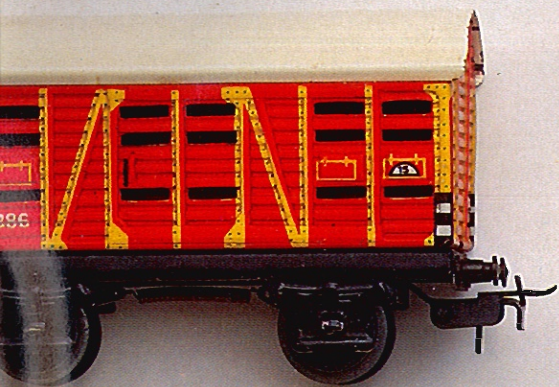
2

8724 without lighting
8734 with lighting
TEE/IC Compartment Car · Type
Avmz¹¹¹ (ex-Avümz 111) · Length
120 mm (4-3/4")

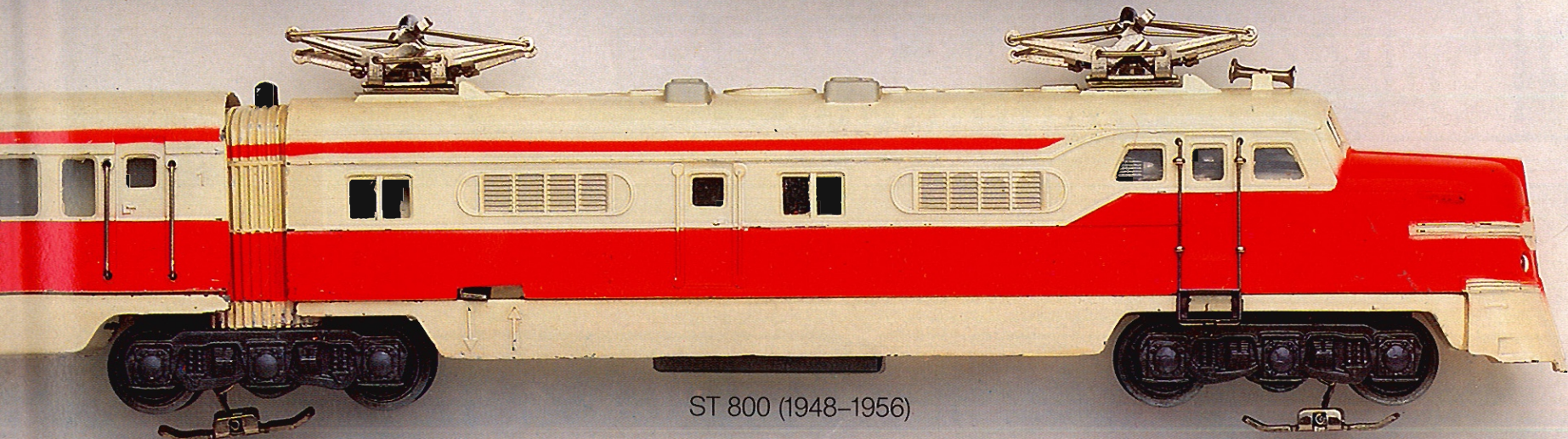
4

8726 without lighting
8736 with lighting
TEE/IC Diner · Type WRmh¹³²
(ex-WRümh 132) · Length 120 mm
(4-3/4")

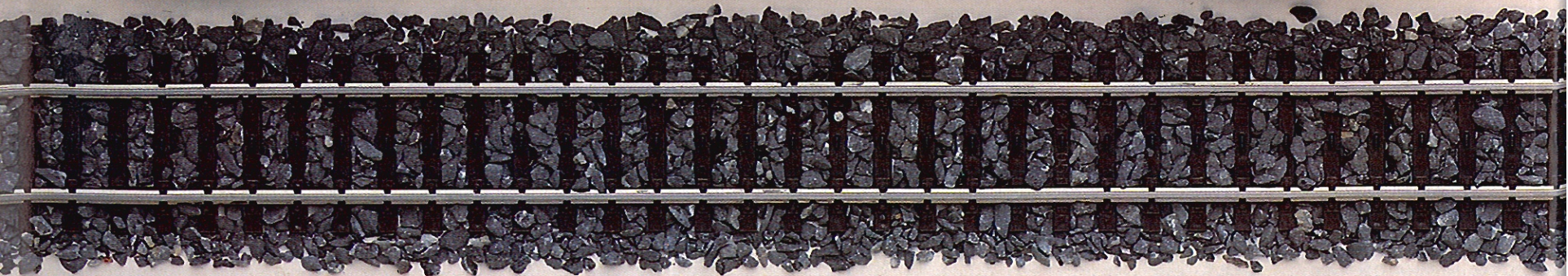
■ TEE and Intercity (IC) trains are the
varnish flagships of the German
Federal Railways. The TEE trains are
all first-class with fully air-conditioned
American style coaches. Passenger
comfort is a TEE trademark.



RS 700 (1935-1939)



ST 800 (1948-1956)



Märklin H0 – Fascination and Form for 50 Years

märklin
HO

It was a sensation at the 1935 Leipzig Fair when Märklin unveiled its new electric table top 00 scale railway. Because it required little space, it was an overnight success and quickly found a wide following. It was only half as wide as 0 scale, hence its present day name: H0 (Half 0).

Märklin H0 has a gauge of 16.5 mm ($\frac{5}{8}$ ") and is scaled 1:87.

Its reliable operation results from the 3-rail system with the powered center rail and sliders on the engines. This technology has evolved into the present day Märklin system of center "rail" studs and a ski sliders on the locomotives.

Five decades of Märklin production has assured a wide variety of models. Among them are the RS 700 electric, ST 800 self-propelled car, and the futuristic "Inter City Experimental" (ICE). All the models typify the reliability and performance of well-built Märklin models. These features have consistently served to increase the fun of owning and treasuring Märklin models. Ask any collector!

Scale H0
Gauge 16.5 mm ($\frac{5}{8}$ ")
Scale 1:87



ICE (1985)

Märklin H0 – with Computer Hook-up

The great fascination of model railroading lies in the ability to recreate the world of railroading in your home. Everyone, young and old, is enthusiastic about working with Märklin H0. Regardless of the space or time you have, Märklin model railroads offer all sorts of possibilities for everyone.

The fun begins with a starter set and continues right on up to an electronically controlled layout. With Märklin's unique system and large selection there are almost no limits to how far your imagination can take you.

The new colorful, extensive Märklin H0 catalog is available at your dealer's now.





Special Train Sets

Beautifully packaged and prototypically accurate, these sets are treasured gifts. Individual cars are not available separately.

Models are illustrated
in actual size

1

8104 - Passenger Train of the former Prussian State Railways - Contents: 1 T-12 tank locomotive, 1 6-wheel baggage car and 3 6-wheel coaches (one 2nd class, one 2nd and 3rd class, one 3rd and one 4th class) - Train length 360 mm (1' 2-5/8")

This train features accurate colors and lettering according to the prototype. Cars and locomotive not available separately.

■ At the beginning of the 20th century, Prussian passenger trains were characterized by the use of 6-wheel compartment cars. A distinct advantage of these cars was the easy entraining and detraining. There were 4 classes. Around the turn of the century these classes were denoted with Roman numerals and each class had its own color.

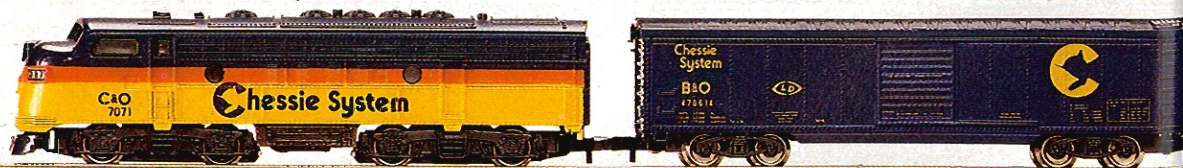
1
8104



2
8105



3
8106



8105 · Airport Train · Contents: 1 class 111 electric with new road number and modern pantograph, 1 1st and 2nd class commuter coach · Each car has its own road number · Train length 452 mm (1' 6-1/4")

Engine and cars not available separately.

■ With the "Airport Train", the German Federal Railways offers a direct connection between Ludwigshafen and the Frankfurt/M airport. The train makes three round trips daily and has stops at Mannheim, Weinheim, Heppenheim, Bensheim and Darmstadt. The train is characterized by its special livery.

8106 · Chessie System Freight Train · Contents: 1 C & O F 7 diesel, 1 B & O boxcar, 1 C & O boxcar, 1 WM boxcar, 1 B & O caboose · Special edition train · Train length 365 mm (1' 1-1/8")

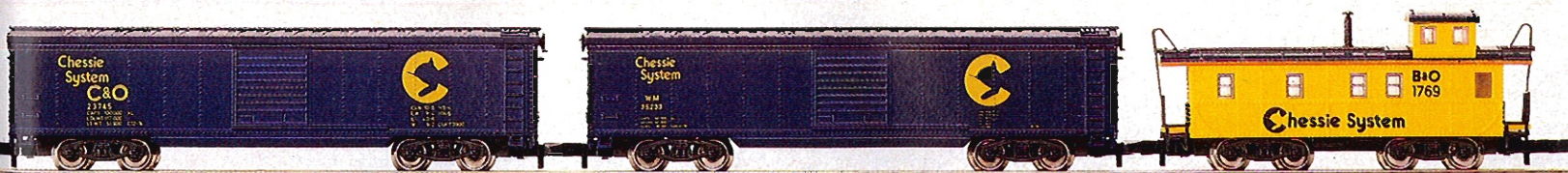
Locomotive and cars not available separately.

■ The name "Chessie System" developed out of an old advertising theme. A sleeping cat, "Chessie", was depicted resting comfortably on a pillow in an ad for the "George

Washington", a crack C & O passenger train. Public response to the cat was so great that the Chessie emblem was also used for other trains.

In 1961 the C & O acquired the Baltimore & Ohio Railroad and "Chessie" was also used for this railroad. Both companies, however, remained independent under the same management.

In 1973 they acquired the Western Maryland Railway and all three lines were gradually merged into the Chessie System. Today all three lines have the same colors, but keep their individual reporting marks, C & O, B & O, WM. Cars of all three lines interchange freely among each other.



Train Control

Multiple train control adds interest and excitement to a model railroad.

Multiple train operation is possible by using separate electric circuits; with each circuit controlling a different stretch of track. Each circuit requires a separate power pack.

Wire

Copper wires consist of 24 separate strands 0.10 mm (0.004") in diameter each, for an overall circumference of 0.19 mm² (0.03 sq.in.). Can withstand short circuits.

Once the tracks are laid, it is time to install wiring. That is no problem with Märklin's color-coded wiring. Current going from the transformer to the rails uses red wires, while brown wires carry the current back to the transformer.

The yellow wires are used for supplying current to lights and accessories and the gray wires carry the current back to the transformers from the lights and accessories.

Remote-controlled accessories are wired a little different. Here, a blue wire feeds current between the accessory and the activator, be it a position control box (7072) or a contact track (8529, 8539, 8589). A gray wire carries current between the control boxes and the transformer.

7100 - Wire · Single core · Gray · 10 m (33')

7101 - Wire · Single core · Blue · 10 m (33')

7102 - Wire · Single core · Brown · 10 m (33')

7103 - Wire · Single core · Yellow · 10 m (33')

7105 - Wire · Single core · Red · 10 m (33')

Sockets

7111 = brown
7112 = yellow
7113 = green
7114 = orange
7115 = red
7117 = gray



7000 - Staples · Bag of 50 · For stapling on wood

Plugs with side sockets

7131 = brown
7132 = yellow
7133 = green
7134 = orange
7135 = red
7137 = gray



7209 - Distribution strip · With 11 single pole sockets · Size 50 x 20 mm (2-3/4" x 1-1/16")

1

6701 220 Volt

Märklin mini-club Power Pack electronic 08 · For use with AC house current · Uses a programmed diode circuitry to supply a steady flow of current at any range for smooth operation · Ideal for realistic slow starts with gradual acceleration and deceleration · Single knob controls both **DC track voltage** (between 0 and 8 volt) as well as direction of travel (by rotating knob from center position) · Power output to 8 VA DC for tracks and 10 volt 8 VA **AC for accessories** · Brown plastic housing · Weight 0.8 kg (1-3/4 oz) · Measures 85 x 117 x 70 mm (3-1/32" x 4-5/8" x 2-3/4")

2

6720 100 Volt Japan
6727 110 Volt (60 Hz) USA · UL-Approved
6729 240 Volt

Märklin mini-club Power Pack · For use with AC house current · Output 12 VA · **DC track current** adjustable between 2 and 8 volts · Polarity reversing switch for changing direction of travel · 10 volt **AC current for accessories** · Blue plastic housing · Weight 1.2 kg (2-1/2 lb) · Measures 125 x 135 x 75 mm (4-15/16" x 5-5/16" x 3")

3

8945 - Universal Remote Control (Solenoid operated switch) · Solenoid operates single pole double throw and double pole double throw switch (reversing) contacts to control up to three circuits for functions at one time · Responds to impulse from circuit track (8589), position control box (7072) or manual commands · Operates on 10 V · Width 30 mm (1-3/8") · Length 70 mm (2-3/4") · Height 8 mm (5/16") · Wiring diagram and examples in booklet 0292



4

8946 · Signal Operator · With 2 single pole switches and a commutator for example for use in controlling the 8939 signal and track current · Width 30 mm (1-3/8") · Length 70 mm (2-2/4") · Height 8 mm (5/16")

5

8947 · Two-Pole Commutator (change-over switch) · Operates on 10 V · Double solenoid operation · For use with circuit track, position control box 7072 or manually · Width 30 mm (1-3/8") · Length 70 mm (2-3/4") · Height 8 mm (5/16")

6

7072 · Position Control Box · Operates 4 solenoid operated accessories · Position of buttons correspond to position of signals, switches, etc. · Length 80 mm (3-1/8") · Width 40 mm (1-9/16")

7

7210 · Control Box · For diverting track or accessory current to 4 different circuits · Length 80 mm (3-1/8") · Width 40 mm (1-9/16")

8

7211 · Control Box · For feeding current to 4 separate track or accessory circuits · Length 80 mm (3-1/8") · Width 40 mm (1-9/16")

9

8939 · Color Light Home Signal · Operating red and green lights · 2 bulbs · Controlled by universal remote control switch 8945 or by signal activator 8946 · Height 34.5 mm (1-3/8")
Q = 8953

10

8940 · Home Signal with 1 Semaphore · Operating red/green lights · Double solenoid operation · Will control trains · Can be used with position control box 7072 or a circuit track · Height 45 mm (1-3/4")
Q = 8953

11

8957 · Street Light · Height 46 mm (1-3/4") · Base 8 x 14 mm (5/16" x 9/16")
Q = 60210

12

8958 · Station Light · Height 46 mm (1-3/4") · Base 8 x 14 mm (5/16" x 9/16")
Q = 60210

13

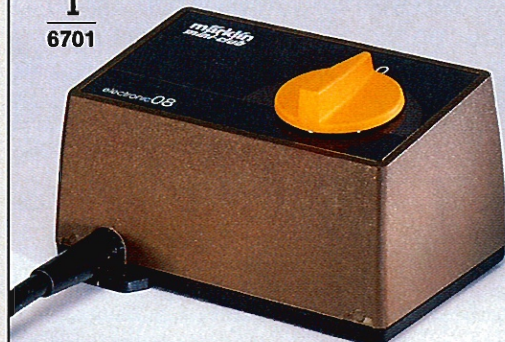
8959 · Park Light · Height 25 mm (1") · Base 8 x 14 mm (5/16" x 9/16")
Q = 60210

8953 · Illumination Kit · With 10 V bulb · For use with socket 8950, signals 8939 and 8940, grade crossing 8992 and in illuminated locomotives

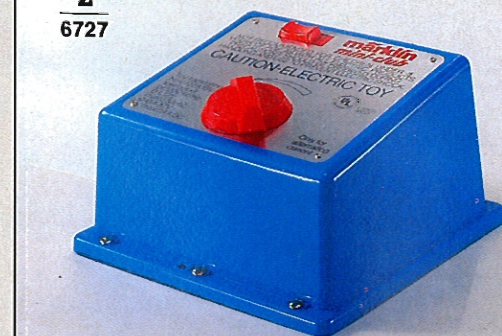
60210 · Bulb · For items 8851, 8896, 8957, 8958, 8959

8954 · Pack of Rail Joiners · 20 metal and 10 insulated rail joiners

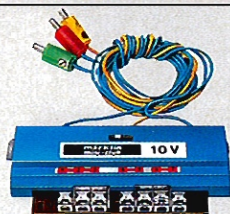
1
6701



2
6727



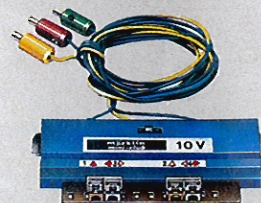
3
8945



4
8946



5
8947

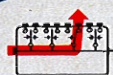


6

7072

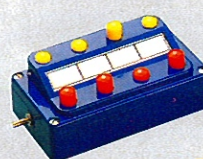


Schematic of 7072 (with line 3 closed)

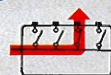


7

7210



Schematic of 7210 (with line 3 closed)



8

7211



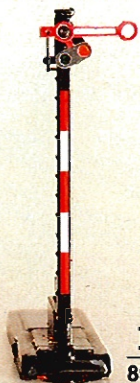
Schematic of 7211 (with line 3 closed)



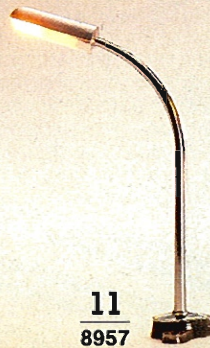
9
8939



10
8940



11
8957



12
8958

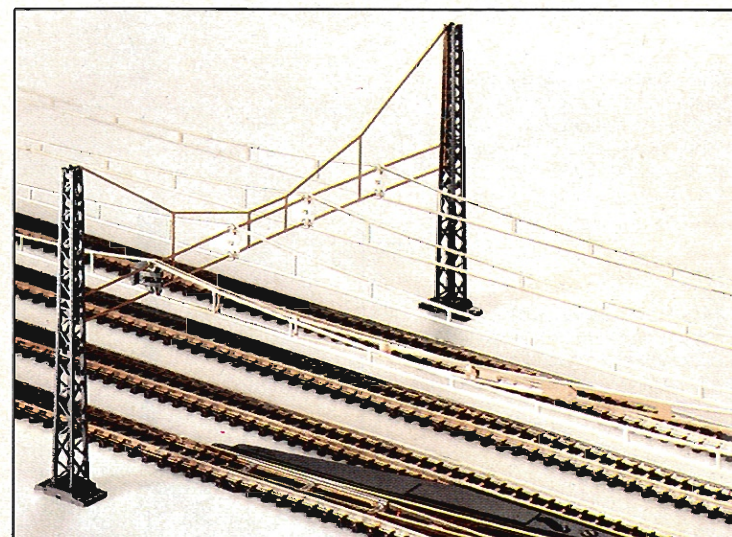
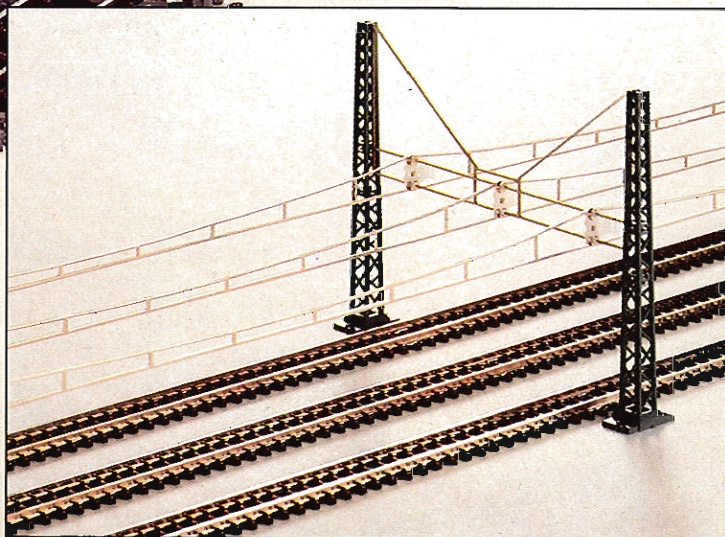
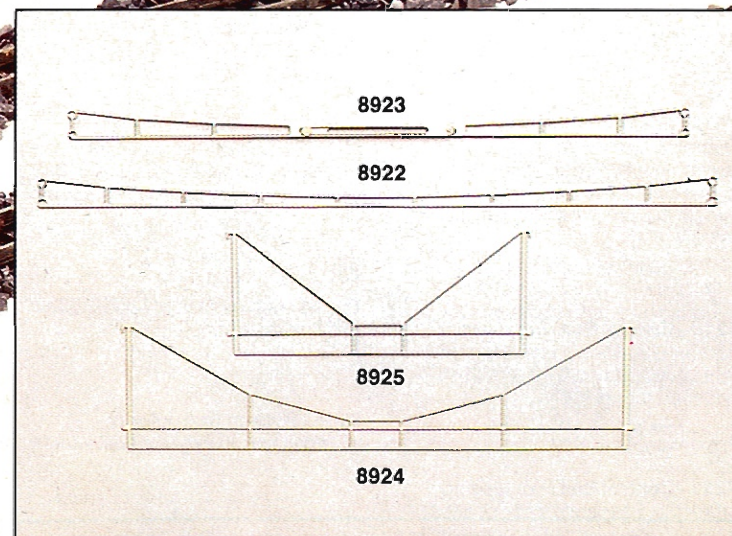
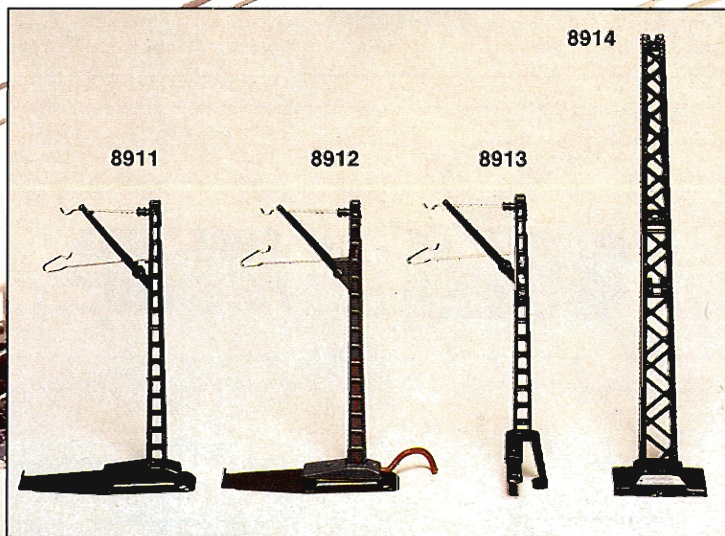
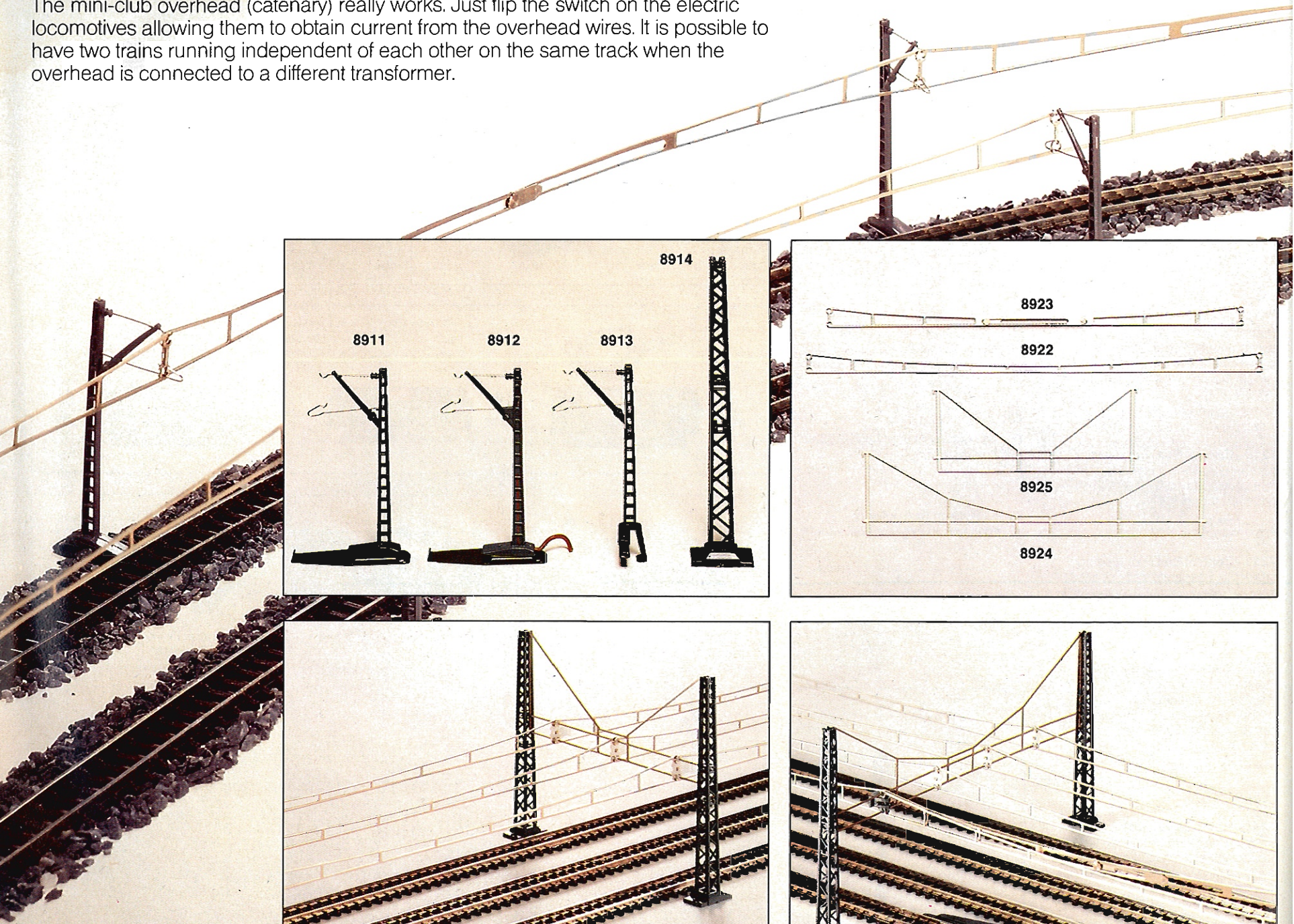


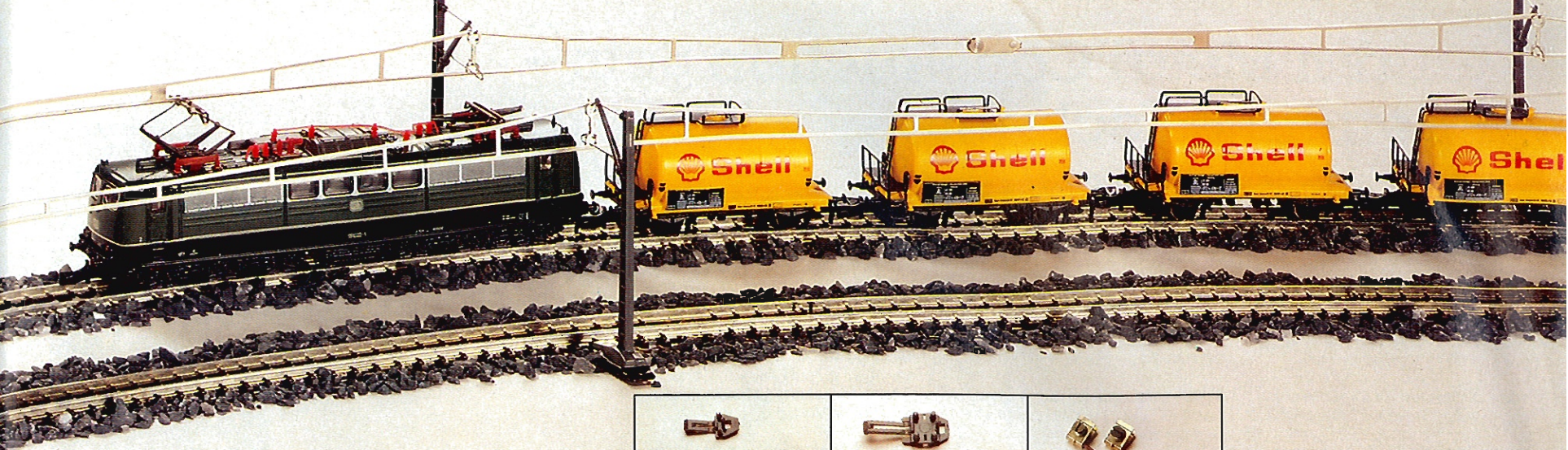
13
8959



Functioning Overhead

The mini-club overhead (catenary) really works. Just flip the switch on the electric locomotives allowing them to obtain current from the overhead wires. It is possible to have two trains running independent of each other on the same track when the overhead is connected to a different transformer.





8911 - Single Track Mast · Includes supporting plate · Height 38 mm (1-1/2")

8912 - Feeder Mast · Includes supporting plate and lead wires · Height 38 mm (1-1/2")

8913 - Bridge Mast · Clips on to side of bridges, ramps, etc. · Height 41 mm (1-5/8")

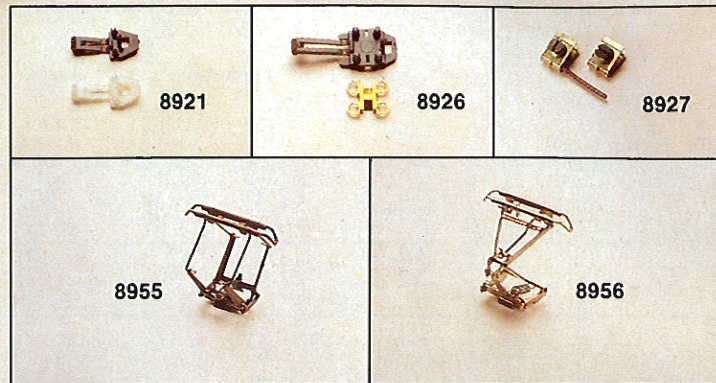
8914 - Tower Mast · For multi-track catenary · Accepts cross-spans 8924 and 8925 · Base 7 x 13 mm (1/4" x 1/2") · Height 61 mm (2-3/8")

8922 - Catenary Wire · For straight and curved sections · Length 165 mm (6-1/2")

8923 - Catenary Wire · Adjustable length 150 to 180 mm (5-7/8" to 7-1/8")

8924 - Cross-span · Hooks on to tower masts · Spans 5 tracks · Length about 123 mm (4-7/8")

8925 - Cross-span · Hooks on to tower masts · Spans 3 tracks · Length about 72 mm (2-1/8")



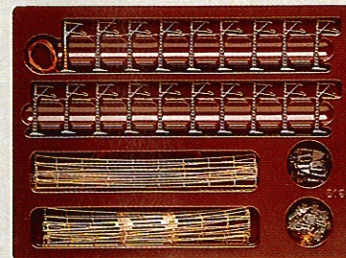
8921 - Catenary Insulators · Pack of 8 white and 2 gray insulators for insulating contact wires from cross-spans · White insulators hold 2 wires, gray insulators hold 3 wires

8926 - Pack of 8 Insulator Sections and 6 Connecting Springs · Required for insulating points on overhead and at switches

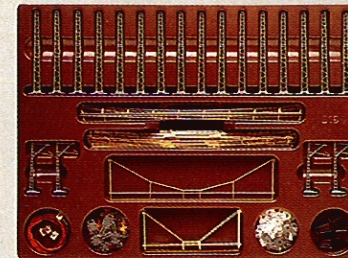
8927 - Catenary Wire Terminals · Contains 2 screw terminals with leads and 3 without leads · For feeding current to wires and holding wire sections together (e.g. at crossings, etc.)

8955 - Standard Pantograph · Includes mounting screw

8956 - Modern-Style Pantograph · Includes mounting screw



8198 - Overhead System Kit S+E · For SET Extension program (page 8) · Includes all necessary masts and wire for parts S and E · 19 masts, 20 catenary sections, 8 insulate sections, 6 connecting springs, and instructions



8199 - Overhead System Kit for T1+T2+T3 · For SET Extension program (page 8) · Includes all parts needed to string catenary on the T sections · 4 masts, 16 tower masts, 30 catenary wire sections, 8 cross-spans, 30 contact wire insulators, 8 insulated sections, 6 connecting springs, 5 clips, and instructions

A simple mast will suffice for stringing overhead on single or double track lines. Be sure to consider clearances and the masts should be on the outside on double track lines. The spring wire supports guarantee a firm contact with the wire.

On multi-track lines, or at stations, yards, etc, tower masts and cross-spans are preferred for stringing catenary. The wires are kept insulated from each other through use of insulators.

Märklin Metal Construction Sets – Experience Technology with Fun

Märklin metall is a series of well-designed metal construction sets. A screwdriver and a wrench are the only tools necessary for the connecting the individual parts. Märklin metall models are strong and robust, and offer all sorts of possibilities for spending leisure time.

1051 · Basic Kit A · 178 individual parts for 30 suggested models

1061 · Extension Kit E1 · Enlarges Basic Kit A to the level of Basic Kit B

1052 · Basic Kit B · 265 individual parts for 56 suggested models

1062 · Extension Kit E2 · Enlarges Basic Kit B to the level of Basic Kit C

1053 · Basic Kit C · 442 individual parts for 74 suggested models

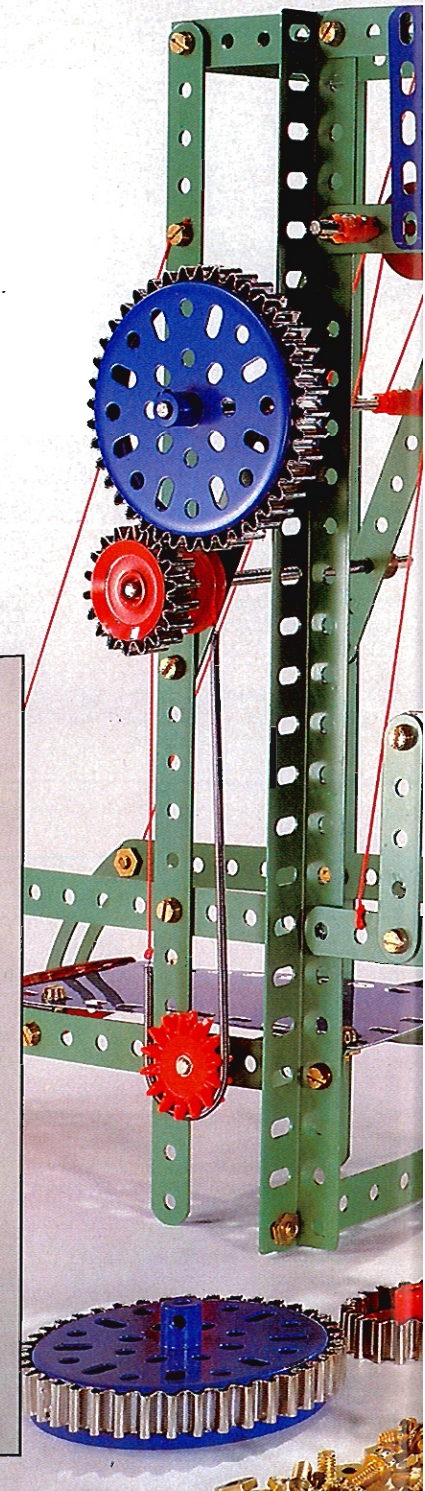
1063 · Extension Kit E3 · Enlarges Basic Kit C · 329 additional parts for 10 more suggested models

1073 · 2-gear Motor

1074 · 5-gear Motor

Märklin metall motors can be connected to any AC or DC transformer having an output between 12 and 16 volts, for example, Märklin model railroad transformers.

6409 · Transformer · Steady 12 volt output · 12 VA



märklin
metall

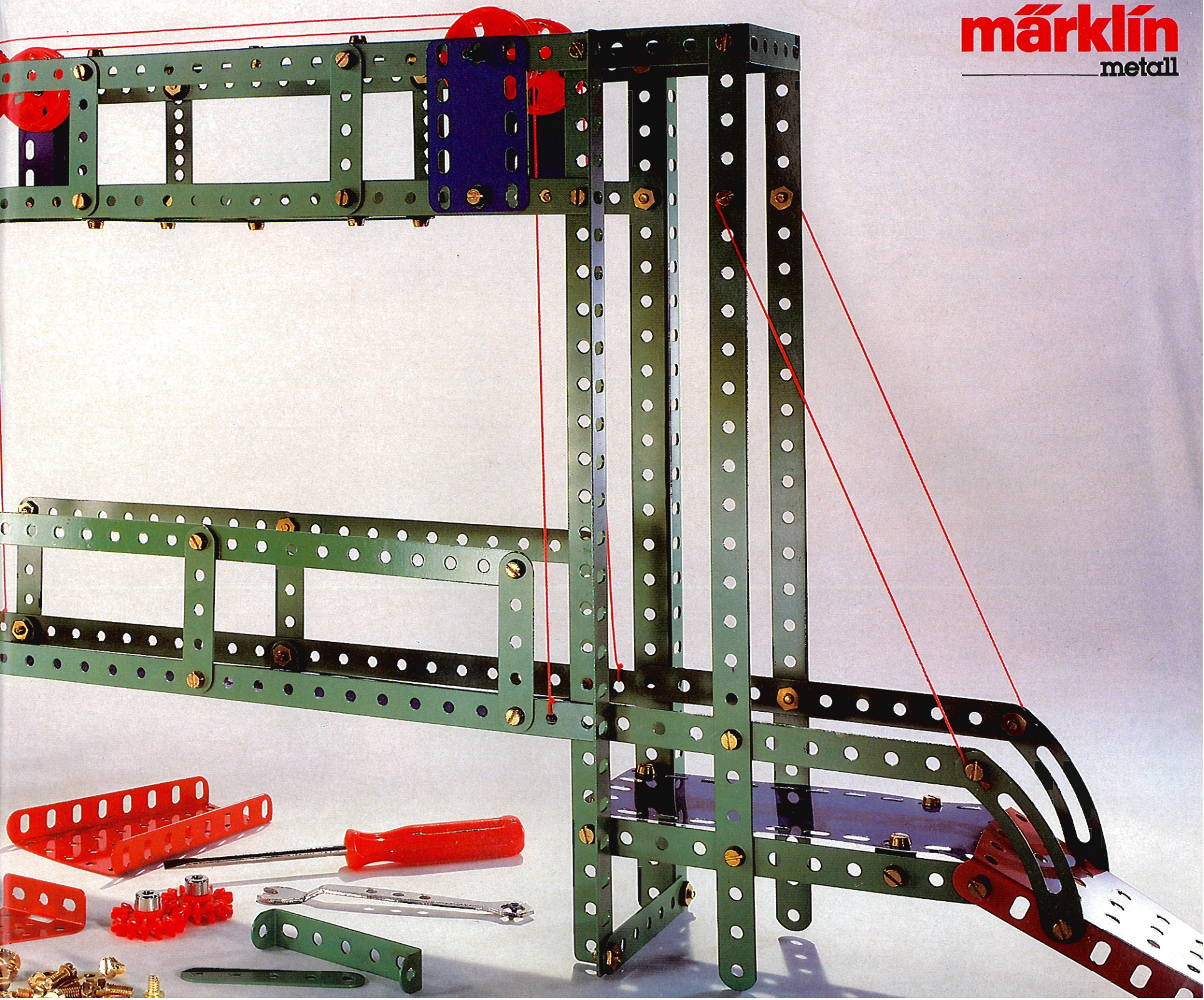
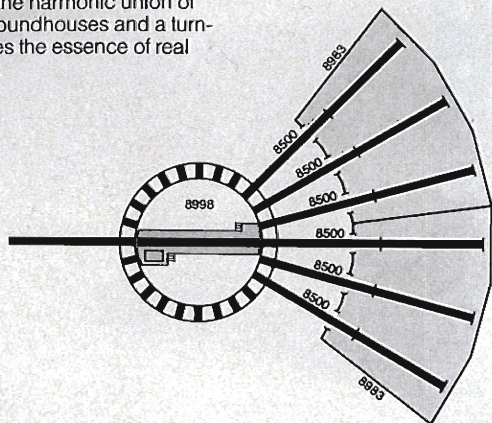


Photo depicts the harmonic union of 2 locomotive roundhouses and a turntable. It captures the essence of real life railroading.



1

8983 · Roundhouse Kit · Electrically operated doors · Mates with turntable 8998 · Three stalls · 3 control tracks included · Base area 150 x 250 mm (6" x 9-7/8")

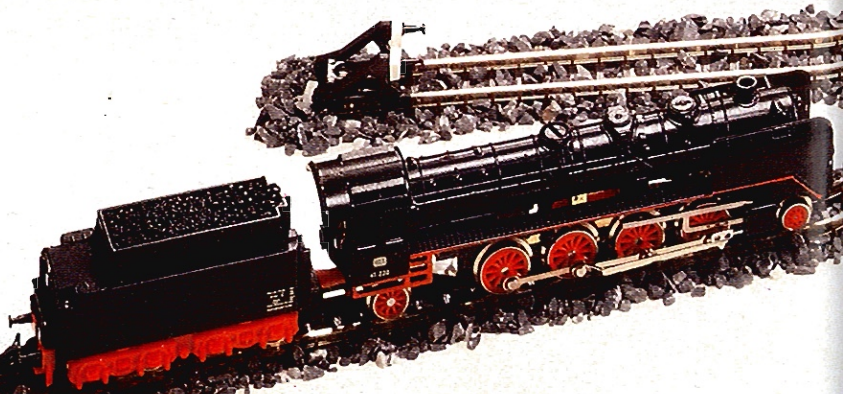
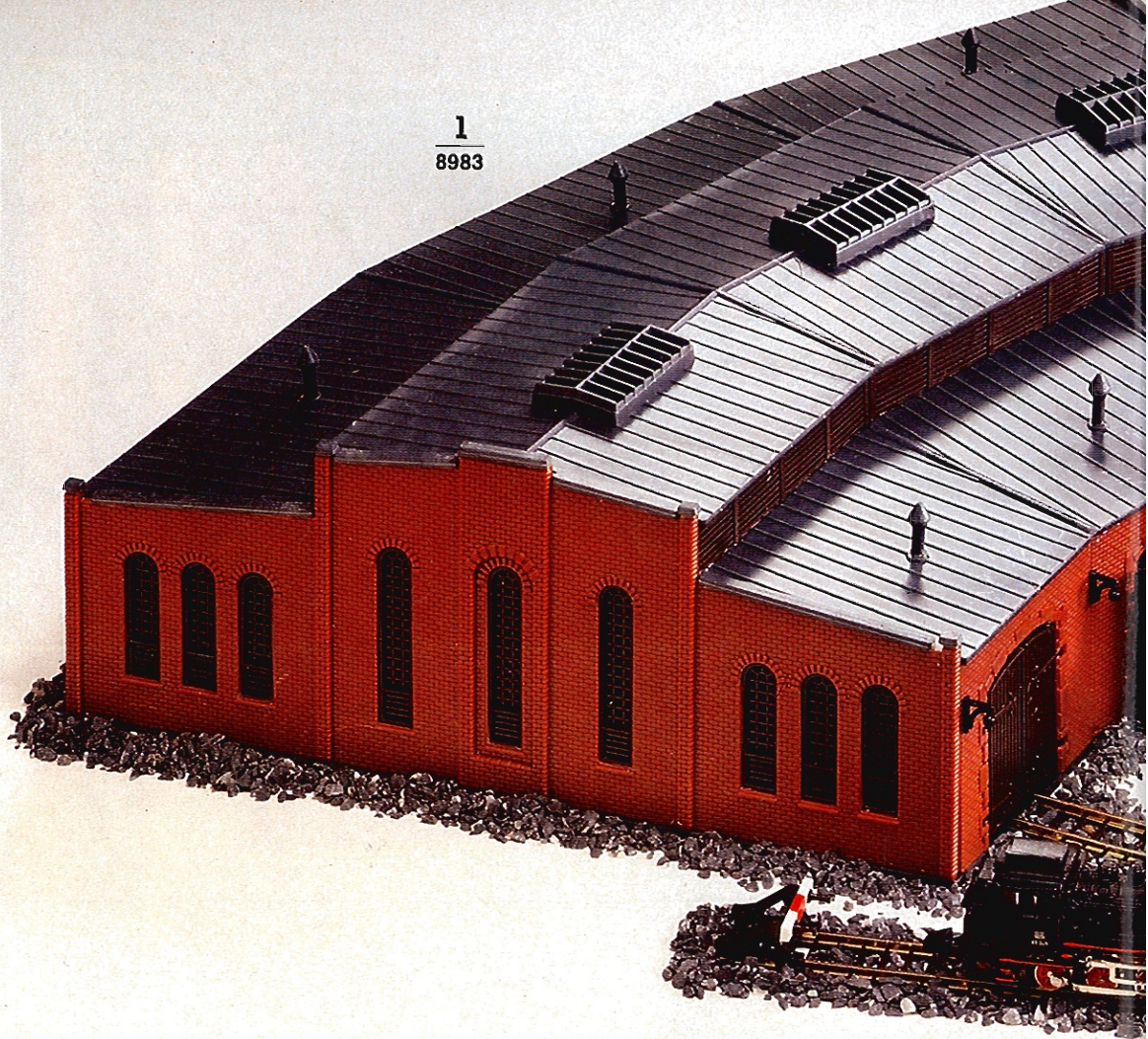
2

8998 · Turntable · Mates with roundhouse 8983 · Can be installed flush with layout board · 8 spoke tracks · Up to 24 stall tracks can be added with the 8997 · Highly detailed with realistic colors · Remote control operation · Controller included · Turntable can be aligned with any track and moved either direction · Powered by electric motor · Tracks not in alignment with bridge receive no current · Turntable circumference 170 mm (6-5/8") · Length of bridge 132 mm (5-1/4") · Requires a 145 mm (5-3/4") hole for flush mounting

3

8997 · Turntable Extension Set · Contains 8 track segments for connecting with turntable · By using 2 extension sets, turntable can serve 24 tracks

1
8983



1

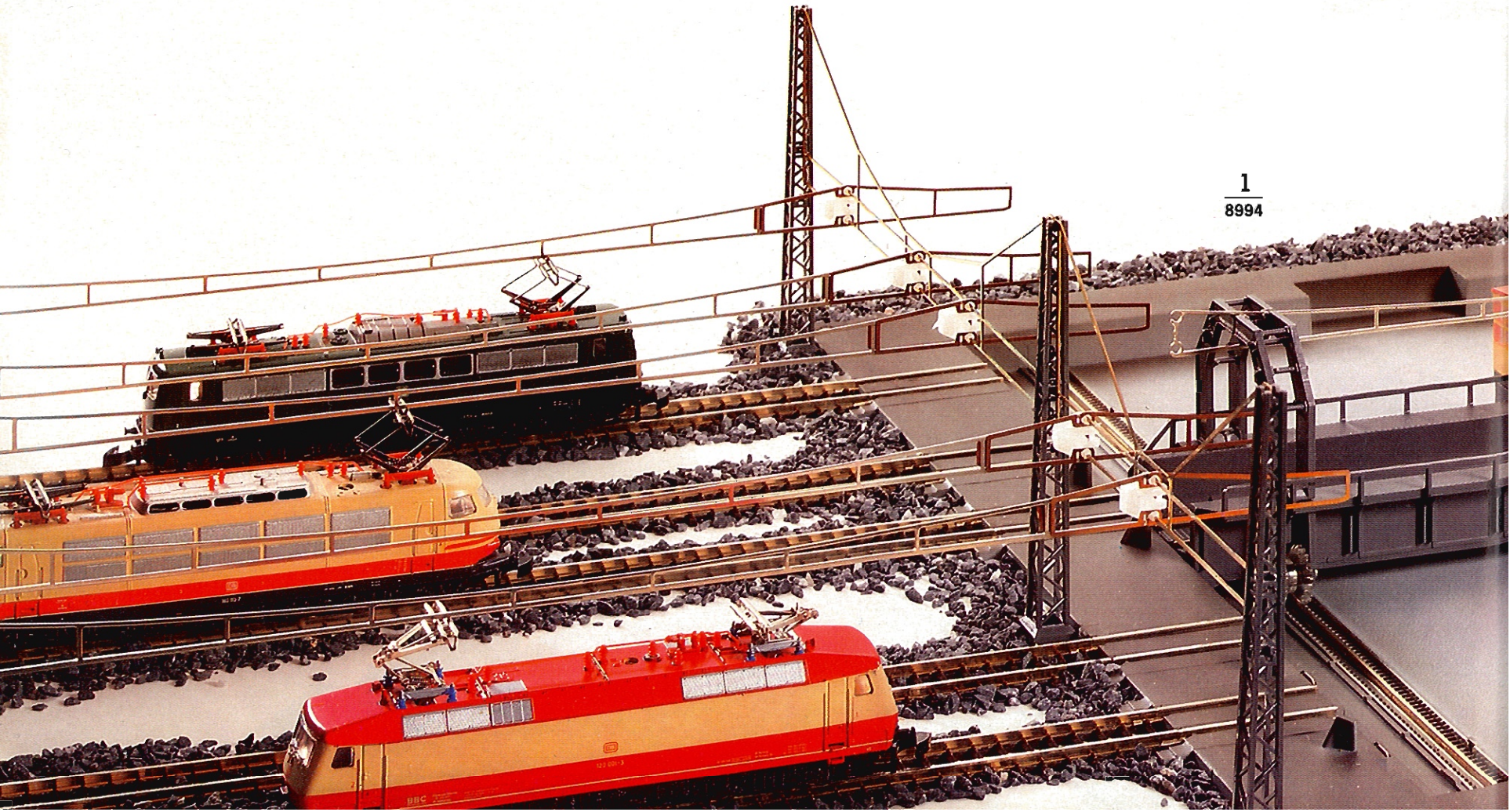
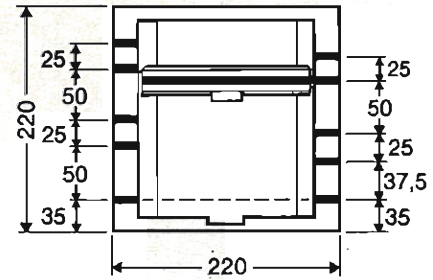
8994 · Transfer Table · 2 approach tracks and 8 stall tracks · Mates with engine house 8980 · Can be flush mounted on layout · Operates by electric motor · Controller included · Power is automatically cut off to any track not in alignment with the bridge · Width and length, both 220 mm (8-5/8")

2

8995 · Overhead Kit for Transfer Table · Includes 2 support masts, 1 catenary wire 8922 with leads soldered on and 10 short catenary wires for approach tracks

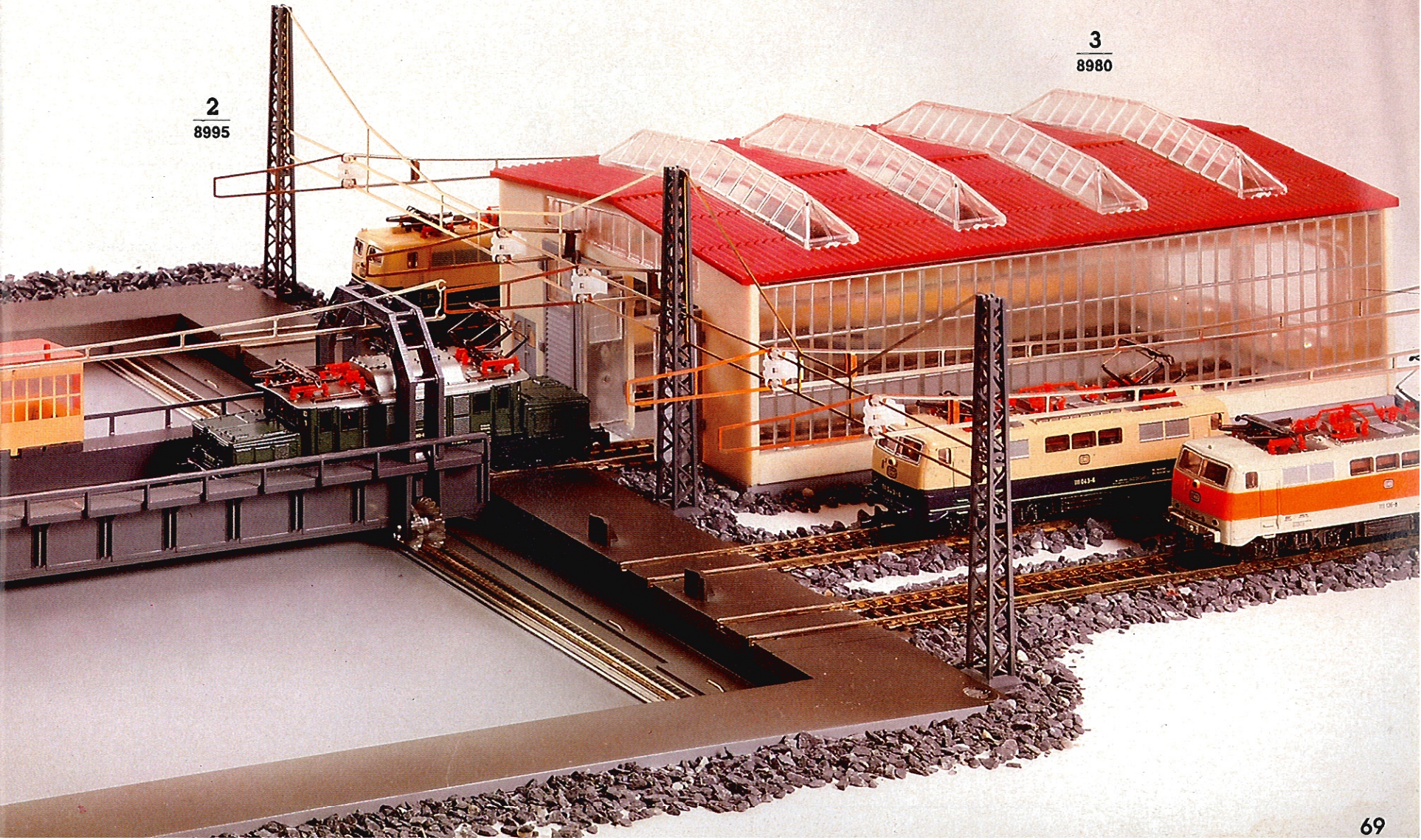
3

8980 · Two-Bay Engine House with Operating Doors · Track loading gauge is 25 mm (1") and will accept overhead wires · Length 152 mm (6") · Width 74 mm (2-7/8") · Height 51 mm (2") · 2 insulated track sections included



2
8995

3
8980

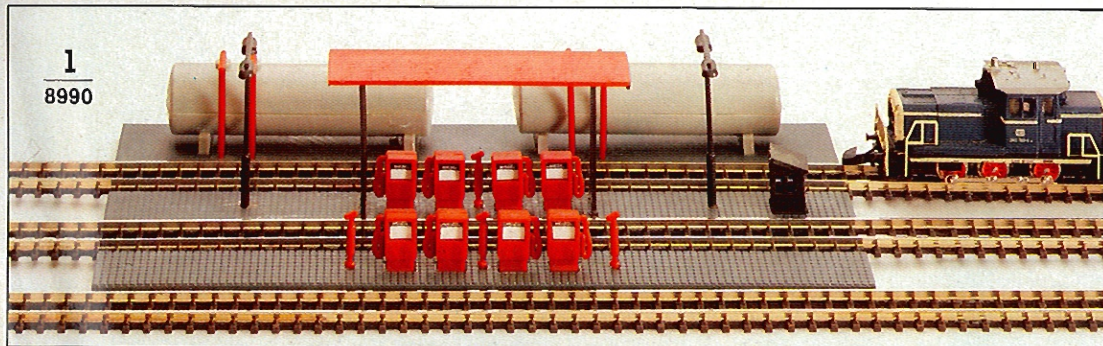


Accessories

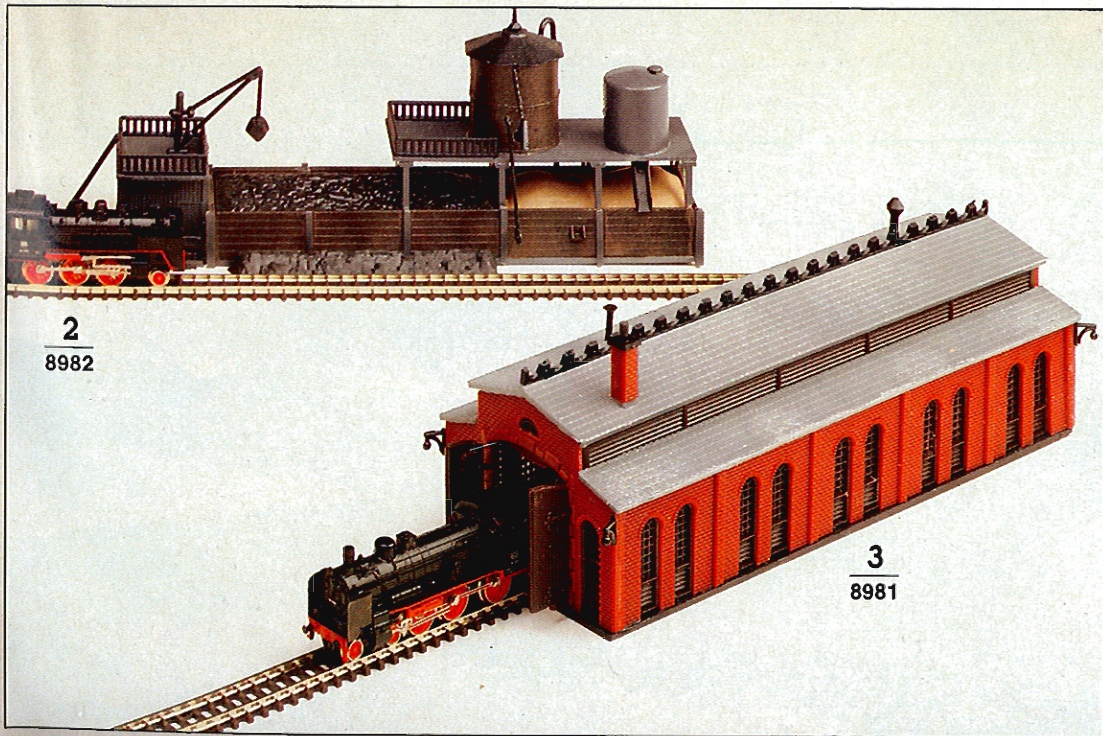
mini-club's versatility is evident in the wide range of accessories with which modelers can depict virtually any prototypical scene. Whether for steam, diesel, or electrics, there is no limit to how a mini-club layout may unfold.

General scenery material (e.g. mats, grass, etc) may be obtained from any reputable hobby shop.

Structure kits listed here may be illuminated with the 8950.



1
8990



2
8982

3
8981

1

8990 · Diesel Servicing Kit · Fuel pumps, heating oil pumps, storage tanks and roof · Base area 140 x 70 mm (5-7/8" x 3")

2

8982 · Steam Servicing Kit · Crane, coal bunker, water tower, sand bunker with spout · Base area 167 x 45 mm (6-9/16" x 1-3/4")

3

8981 · Single-Bay Engine House with Operating Doors · Includes insulated track for stopping engines · Base area 150 x 50 mm (5-7/8" x 2")

4

8972 · Container Terminal Kit · Overhead gantry with moveable crane, containers and trucks · Base area 135 x 65 mm (5-5/16" x 2-9/16")

5

8986 · Right-of-Way Detail Assortment · 2 gripping levers, 4 crossing bucks, 4 sets of three railroad crossing approach signs, 1 telephone booth and 1 foot bridge

6

8992 · Grade Crossing Kit with Gates · 2 solenoid operated crossing gates, 2 pair of crossing bucks (illuminate when gates are down) · Each half measures 96 x 37 mm (3-3/4" x 1-1/2")

Q = 8953

For realistic prototype operation, be sure to add:

a) for **manual operation** - 1 signal activator 8946

b) for **automatic operation** - 1 Universal Remote Controller 8945 and 2 circuit tracks (as appropriate e.g. 8529, 8539, 8589) per track

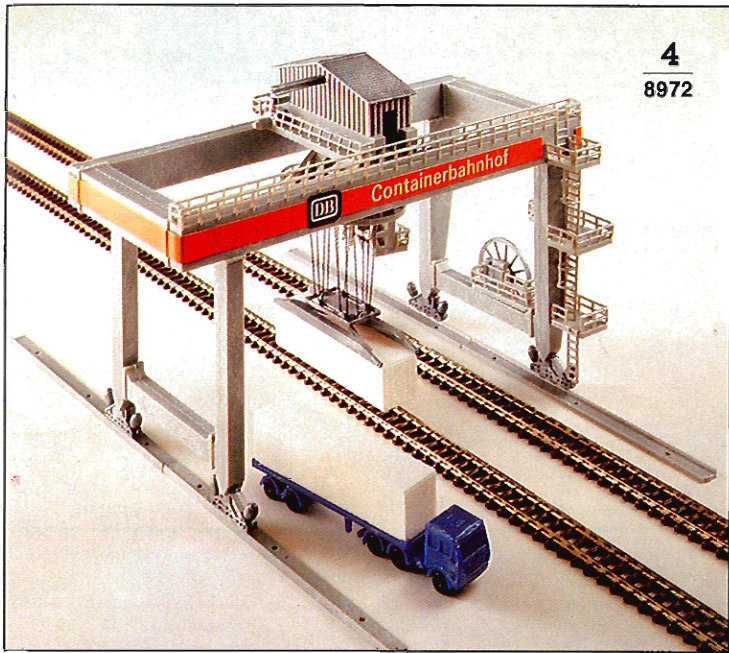
7

8973 · Package of assorted miniature automobiles

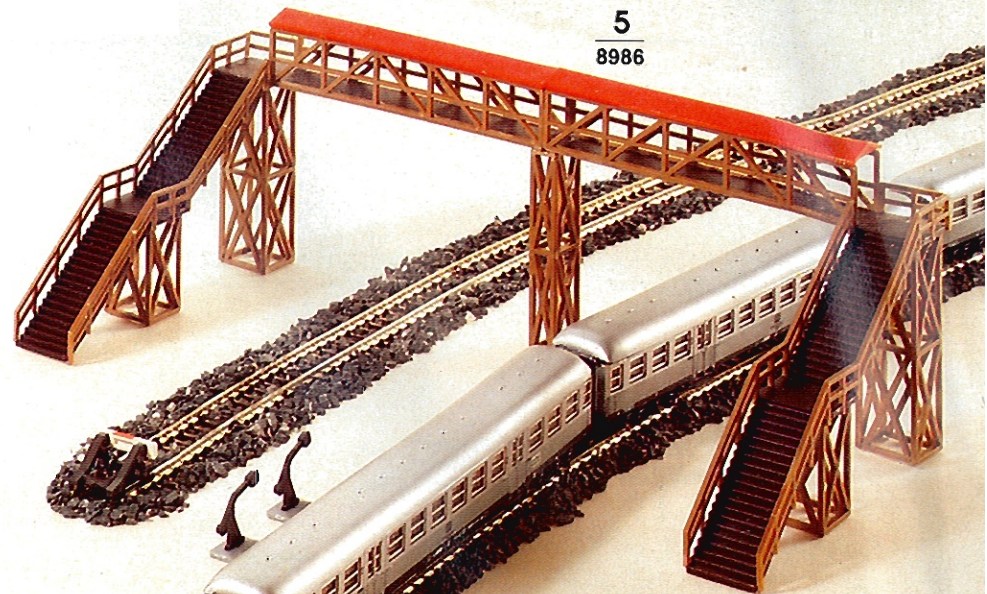
8950 · Lamp with Socket · Includes leads · Ideal for depots, buildings, etc.

Q = 8953

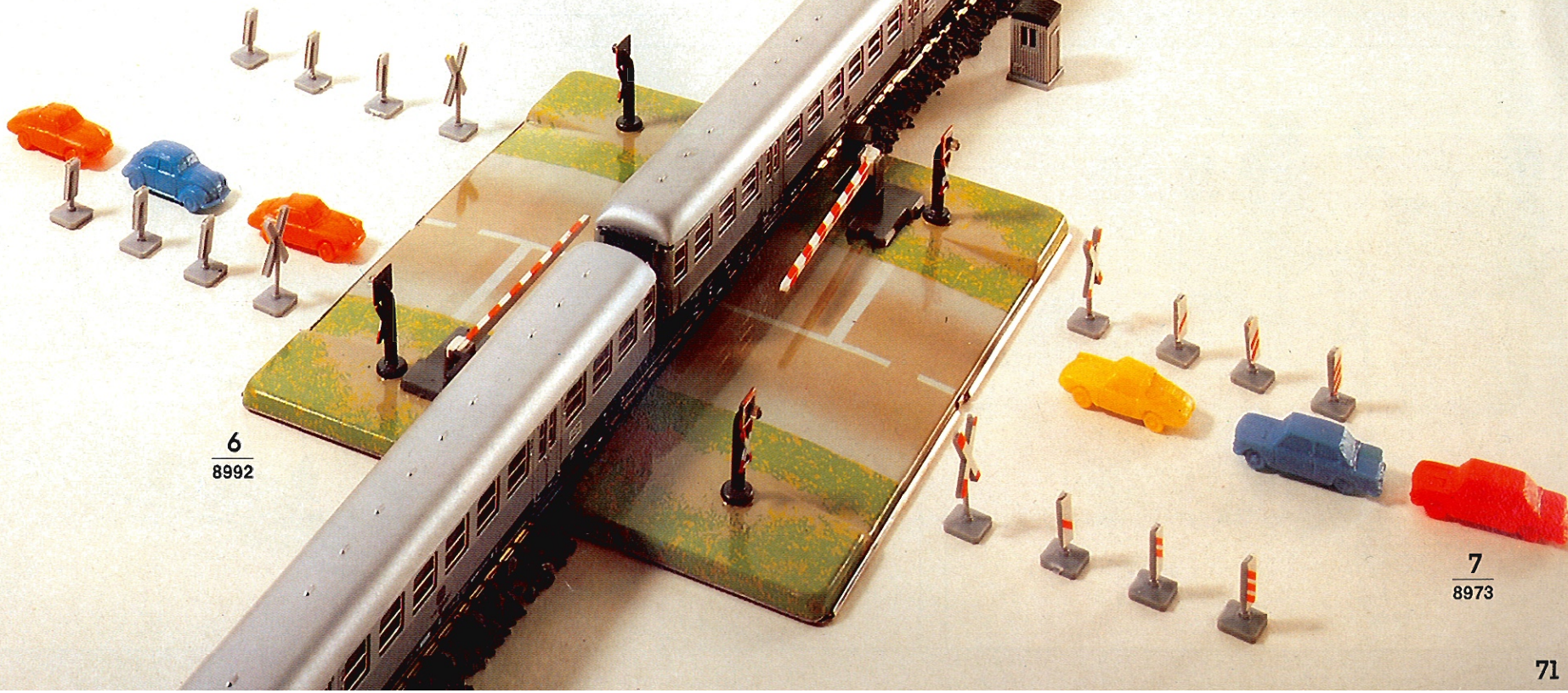
8953 · Illumination Kit · With 10 v bulb · For use with 8950 socket, signal 8939, 8940, grade crossing 8992 and also for use with illuminated locomotives



4
8972

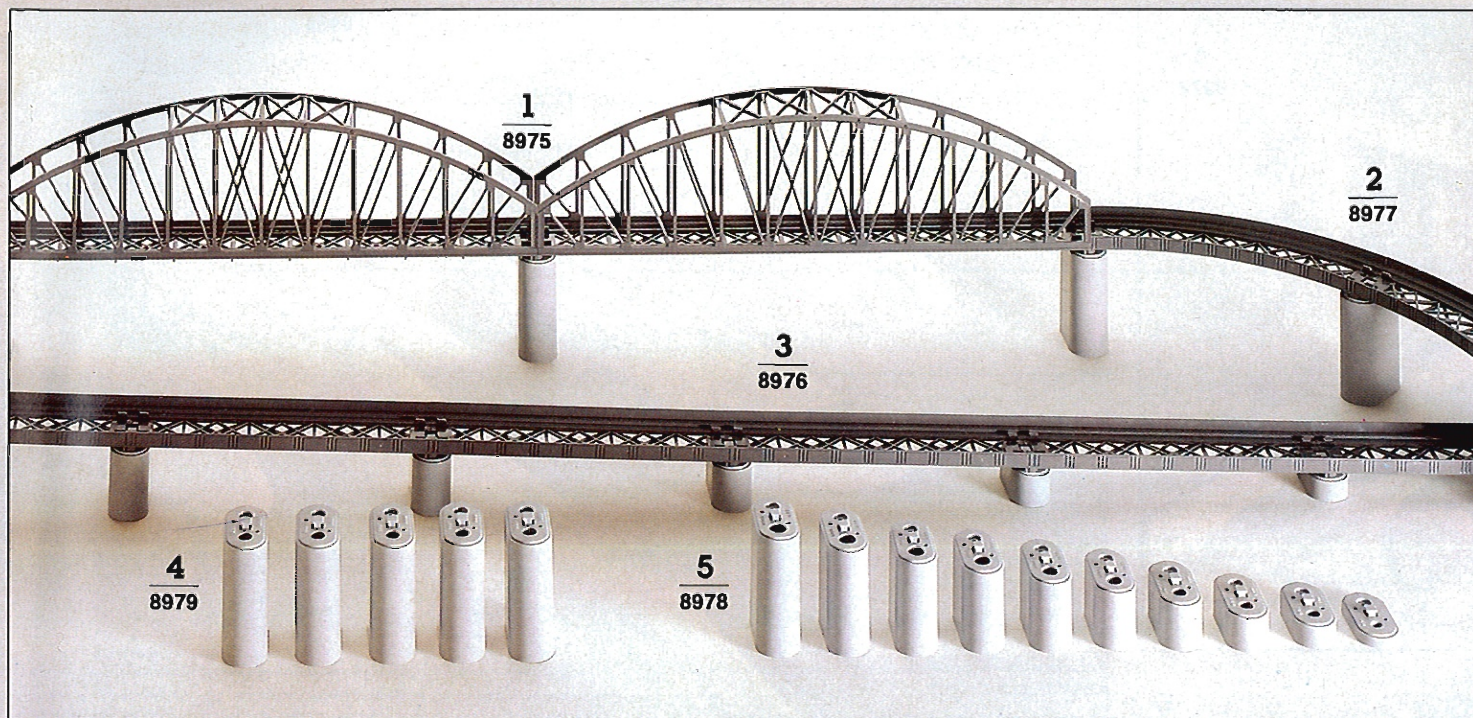


5
8986



6
8992

7
8973



1
8975 · **Through Bridge** · Length
220 mm (8-5/8")

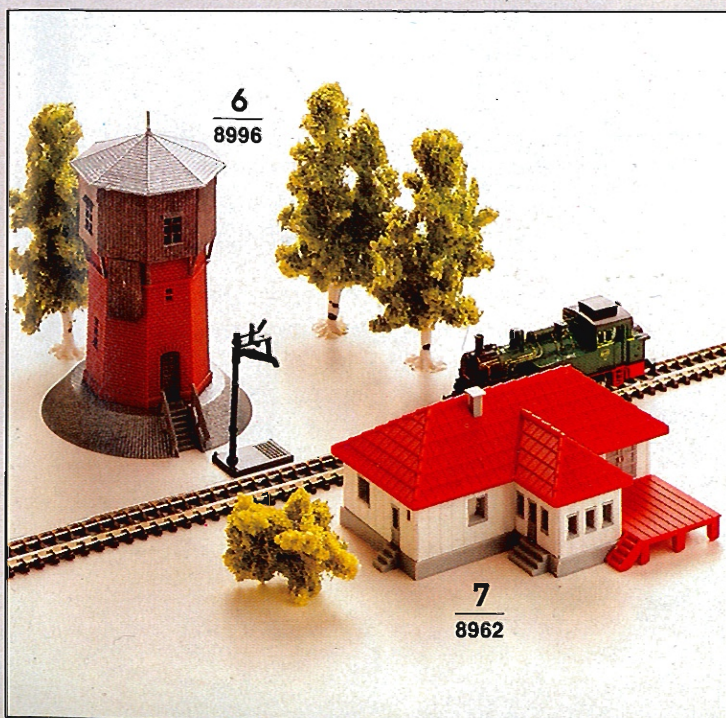
2
8977 · **Curved Ramp** · Radius
145 mm (5-3/4") · Track curvature 45°

3
8976 · **Straight Ramp** · Length
110 mm (4-3/8")

4
8979 · **Bridge Pillars** · Set of 5 pillars,
40 mm (1-9/16") high

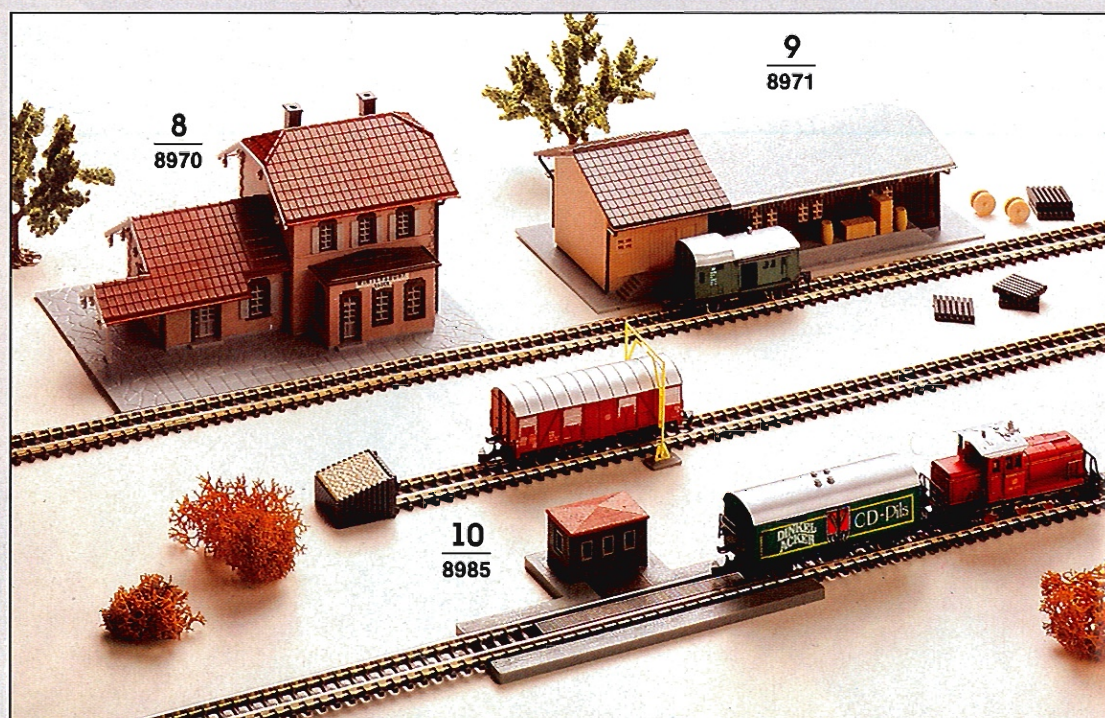
5
8978 · **Approach Ramp Pillars** ·
10 pillars, 1 each of 4, 8, 12, 16, 20, 24,
28, 32, 36 and 40 mm high (0.157" to
1-9/16")

7599 · **Flathead Wood Screws** ·
For connecting bridges to pillars ·
Pack of 200



6
8996

7
8962



8
8970

10
8985

9
8971

6

8996 · Water Tower Kit · With spout · Base area 52 x 52 mm (2-1/16" x 2-1/16") · Height 75 mm (3")

7

8962 · Dürnau Station Kit · Multi-purpose with annex and platform · Base area 70 x 50 mm (2-3/4" x 2") · Height 30 mm (1-3/16")

8

8970 · Wintersdorf Station Kit · Main building, annex and canopy · Can be used alone or in conjunction with 8971 station house · Base area 72 x 112 mm (2-7/8" x 4-3/8") · Height 54 mm (2-1/8")

9

8971 · Freight House Kit · Warehouse, platform, and storage shed · Can be used alone or with 8970 station · Base area 53 x 130 mm (2-1/8" x 5-1/8") · Height 38 mm (1-1/2")

10

8985 · Freight Station Detail Kit · Loading gauge, scale (non-operating), shed, 2 bumpers, 5 stacks of cross ties, 2 cable reels, 2 crates, 2 drums

11

8965 · Interlocking Tower Kit · Base area 69 x 39 mm (2-3/4" x 1-1/2") · Height 46 mm (1-3/4")

12

8960 · Göppingen Station Kit · Center wing of actual station · Base area 228 x 114 mm (9" x 4-1/2") · Height 44 mm (1-3/4")

13

8961 · Platform Kit · 2 complete kits · Total overall length 440 mm (1' 5-1/4") · Width 38 mm (1-1/2") · Height 23 mm (7/8")

14

8964 · Private Residence Kit · With garage · Can be made into a one or two story home · Base area 91 x 71 mm (3-5/8" x 2-3/4") · Height 45 mm (1-3/4")

15

8963 · Apartment House Kit · With detachable penthouse · Base area 86 x 84 mm (3-3/8" x 3-5/16") · Height 97 mm (3-7/8")

16

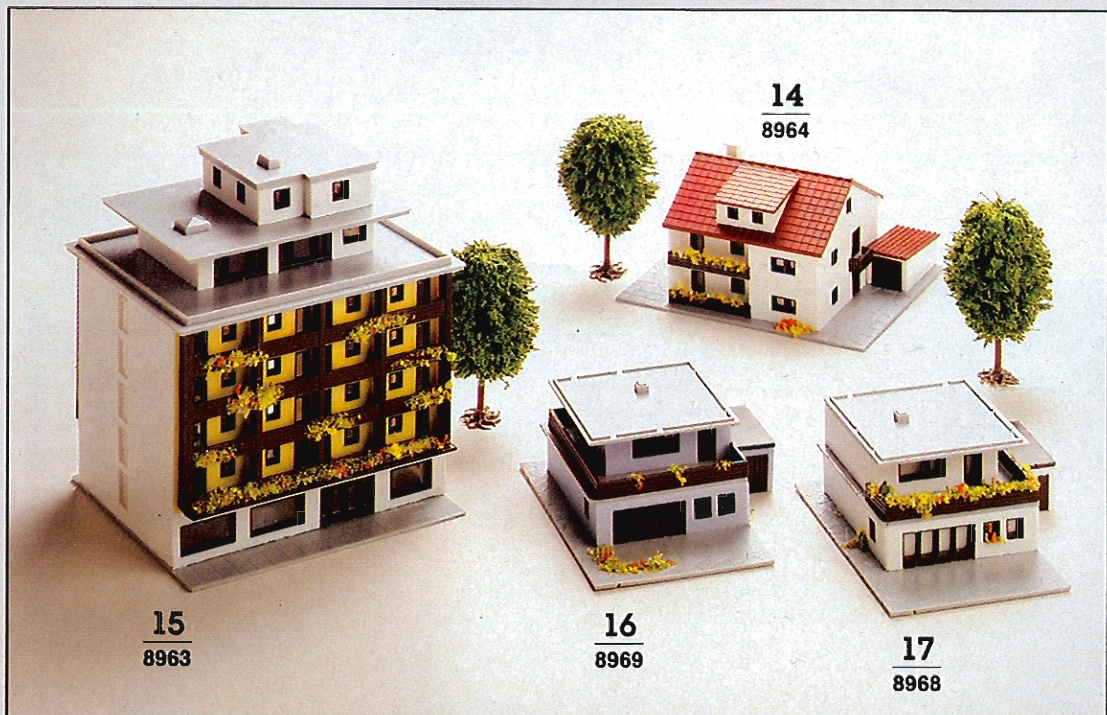
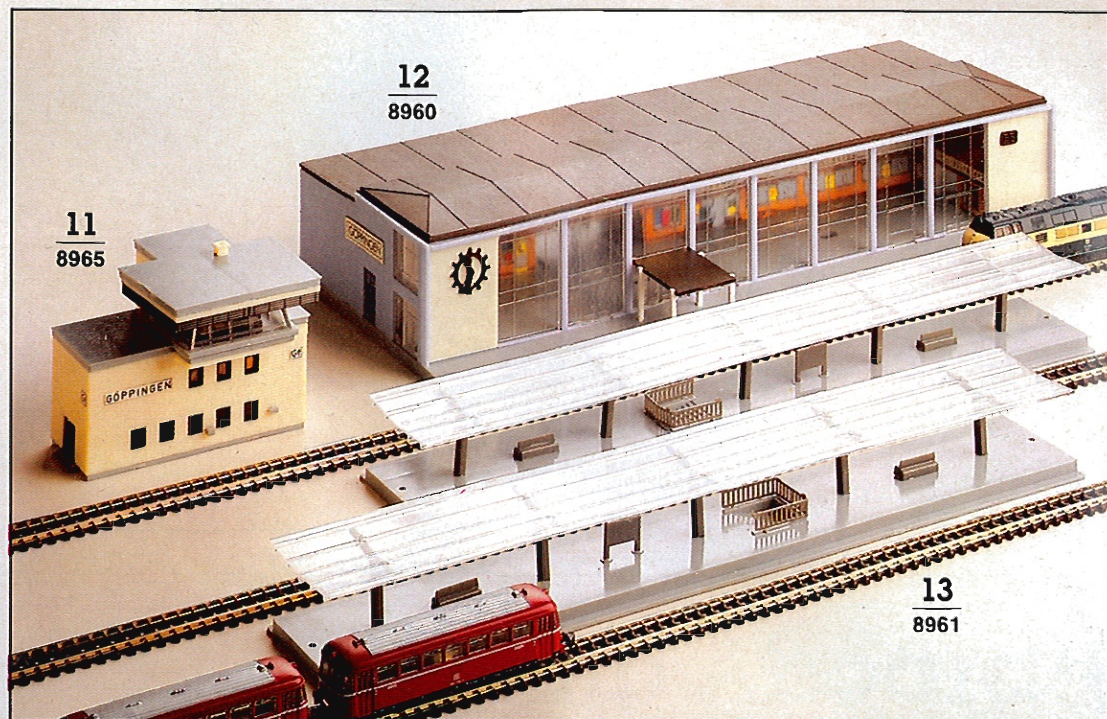
8969 · Bungalow with Terrace · Includes garage · Blue sides · Can be built as one or two story home in many variations · Base area 81 x 45 mm (3-1/4" x 1-3/4") · Height 29 mm (1-1/8")

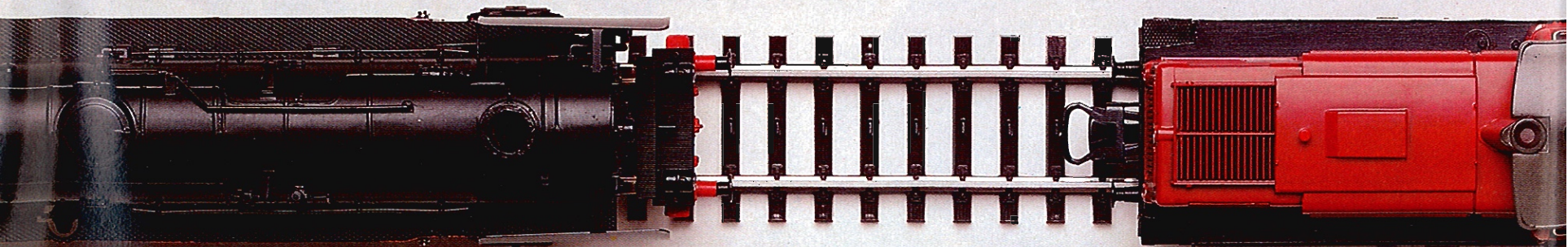
17

8968 · Bungalow with Terrace · Includes garage · Same as kit 8969, but with white sides

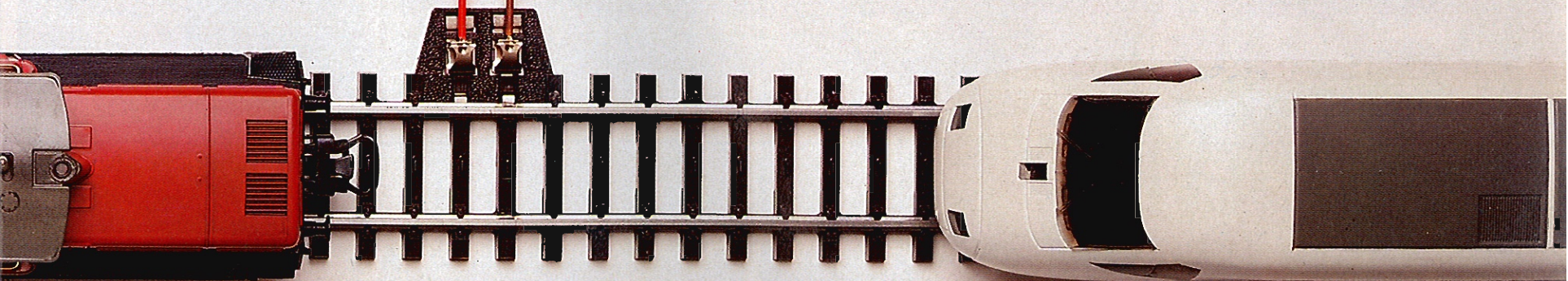
8950 · Lamp with Socket · Includes leads · Ideal for stations, buildings, etc.
Q = 8953

8953 · Illumination Kit · With 10 v bulb · For use with socket 8950, signals 8939 and 8940, grade crossing 8992, and for illuminated locomotives





**Please
Climb Aboard!**



Märklin Digital H0 – The Future of Model Railroading Has Begun

With the presentation of Märklin Digital H0 at the 125th anniversary of the Company on September 13, 1984, the switches were lined for an entirely new dimension in model railroading. During 1985 these items were made available for the first time to the general public.

Can you imagine using your computer to control your model railroad?

Can you imagine that merely connecting two wires to your layout is all that is required for remote operation of locomotives, switches and signals?

Can you imagine independent multi-train operation on your layout that uses all your locomotives?

Märklin Digital H0 is a digital, electronic control system using modern micro-processor technology. With Märklin Digital H0, locomotives, switches and signals can be operated in any order without the complicated wiring necessary in conventional systems.

A conventional layout can be converted to a digital layout at any time. Because the rolling stock, track, catenary, signals, control tracks and blocks do not need to be altered.

Transformer


Transformers for powering the layout and electronic controls

Booster


Increases the range of the central unit and can be connected to an additional transformer




Would you like complete information about Märklin Digital H0? Your dealer will be happy to talk to you about it. He also has the new colorful, extensive Märklin H0 catalog with complete information about Märklin Digital H0.




Märklin Digital HO layouts are quickly built and can be changed or modified easily: Only two wires lead to the layout.



These two wires can control up to 256 signals and/or switches.



You have direct access to every engine on the layout. Up to 80 locomotives can be independently controlled.



Then unique Märklin HO system with the center-stud contacts in the tracks and the sliders on the locomotives guarantees reliable operation with Märklin Digital HO too.

Keyboard
Control panel for 16 switches or signals

Central Unit
Central unit with microprocessor and operations control

Control 80
Universal throttle for operating up to 80 Digital locomotives

Interface
Electronic device allowing home computers with interface connections to be linked to a Digital HO system



mini-club – the Railroad with Style

The mini-club idea is a very special railroad system which inspires extraordinary levels of creativity in its fans. As you can see, the possibilities are limitless. Let yourself be inspired a little too!



You can't see the tree or the mini-club.

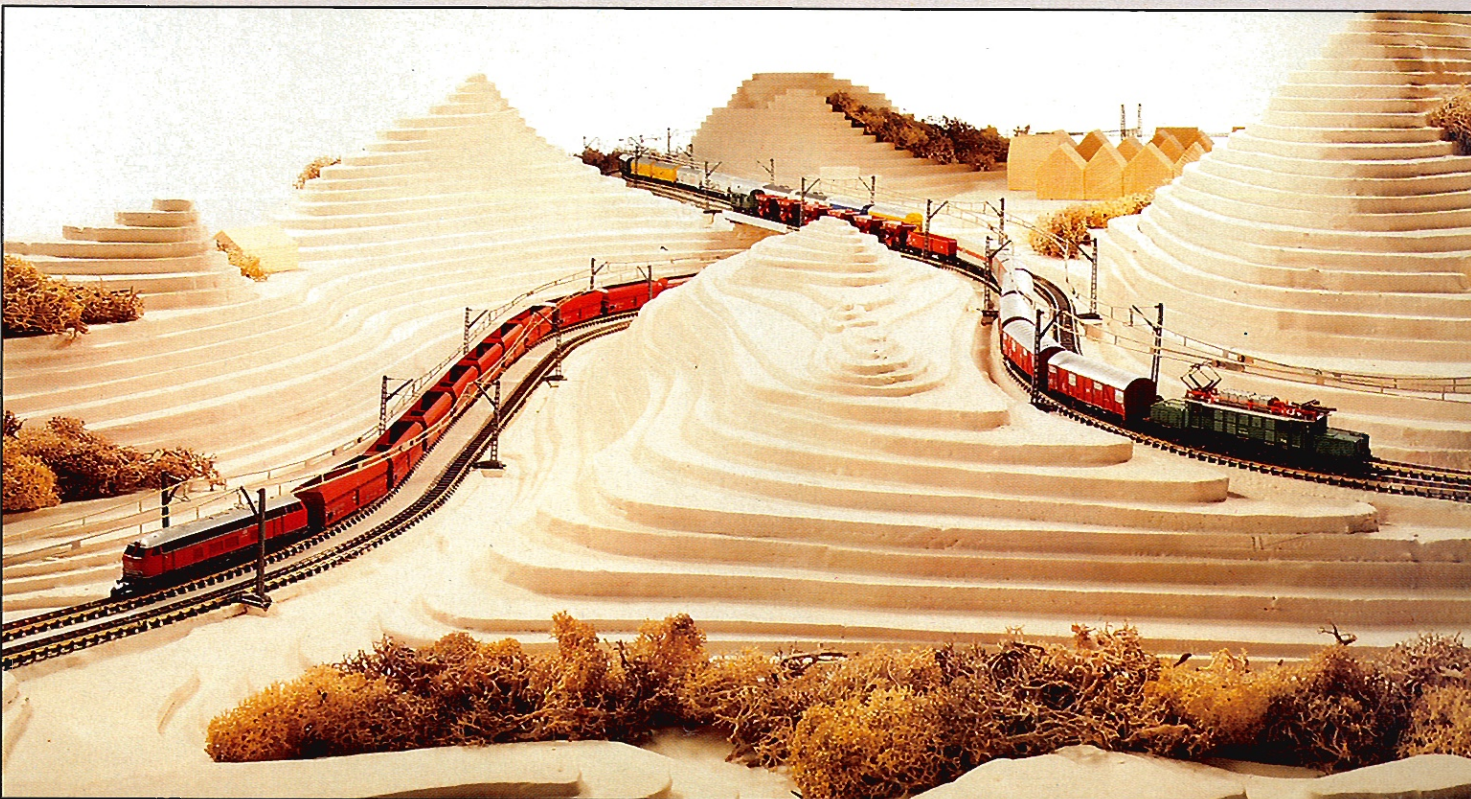
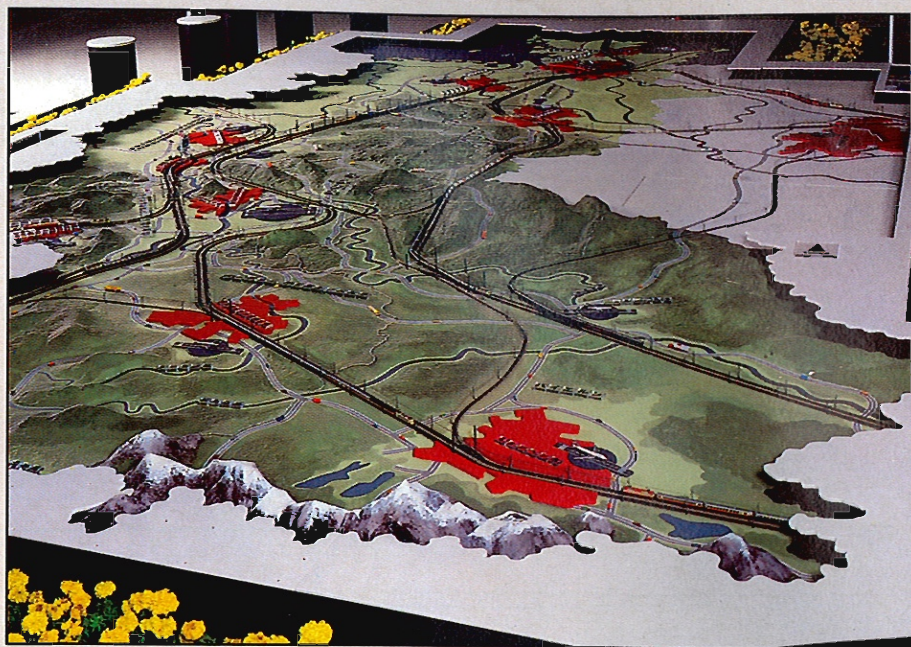
Hats off for mini-club.



One possibility for getting as much fun as possible into a mini-club layout is to build it in levels.

A detailed track plan for this layout (no. 22/009, size 180 x 60 cm (6' x 2')) is available from your Märklin dealer.

This is quite musical.



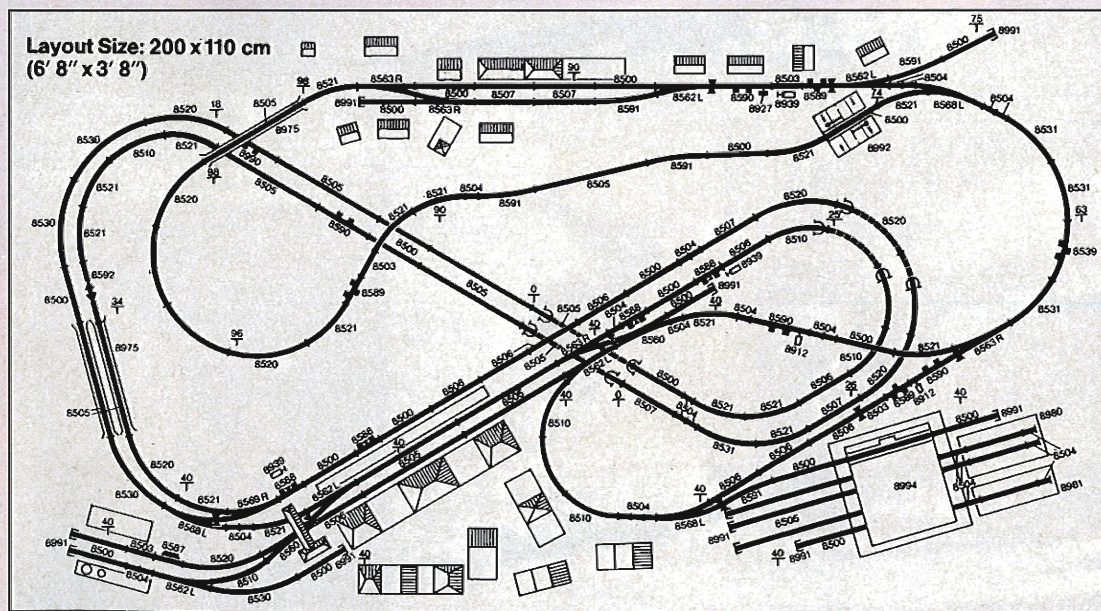
The largest mini-club layout in the world is a highly detailed model of the entire Federal Republic of Germany. It takes just 40 seconds for a train to zip from the Alps to the North Sea.

Scenery that is something else.

Building and Creating in mini-club Size

The real pleasure of model railroading unfolds when one simulates the real world outside on a table top in the house complete with scenery.

The mini-club layout illustrated here with the interesting track plan is only 200 x 110 cm (6' 8" x 3' 8"). Yet, the operational variety is limitless. To build this layout, get a copy of the brochure 0322 "Märklin-Spaß mit mini-club". It is detailed in a step-by-step fashion on page 10 of this colorful guide.



Parts List:	22 - 8500	1 - 8539	1 - 8592	1 - 8954	3 Transformers
	4 - 8503	2 - 8560	38 - 8911	3 - 8975	Wire, Plugs, Sockets
	28 - 8504	5 - 8562 L	2 - 8912	1 - 8979	
	17 - 8505	4 - 8563 R	2 - 8913	1 - 8980	
	10 - 8506	3 - 8568 L	15 - 8922	1 - 8981	
	7 - 8507	1 - 8569 R	28 - 8923	11 - 8991	
	9 - 8510	1 - 8587	1 - 8926	1 - 8992	
	11 - 8520	4 - 8588	1 - 8927	1 - 8994	
	16 - 8521	3 - 8589	3 - 8939	5 - 7072	
	4 - 8530	5 - 8590	1 - 8945	6 - 7209	
	4 - 8531	5 - 8591	1 - 8947		





Märklin Z - with new Service

For years the Service Department at Märklin has performed repairs with great care. Now Märklin is offering a new service which is the answer to many fans' wishes:

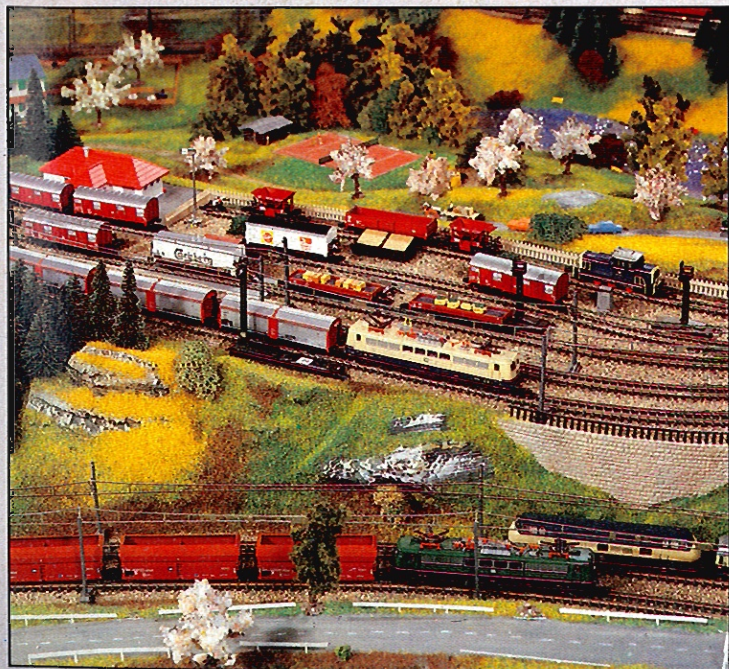
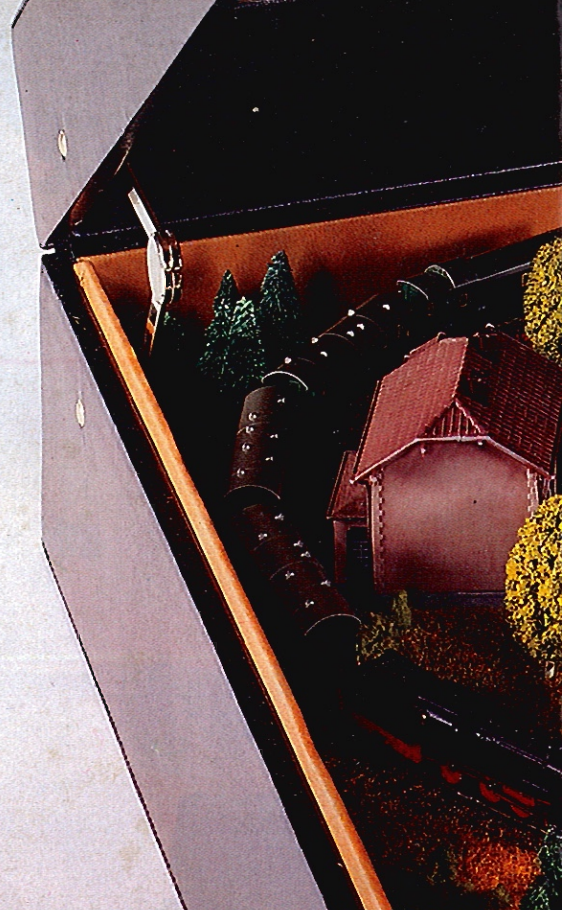
Would you like to save yourself the time and effort of planning a layout? Are you looking for layout ideas tailor-made to your needs? The Märklin Service Department can help you. See your dealer for details.

For a fee your dealer can supply you with track plans, parts lists and estimated costs. We can even offer finished layouts built in a brief case or coffee table. Your dealer has all the details.

Would you like to have your Märklin locomotives checked out thoroughly before the next railroading season? The Märklin Service Department can do it. See your dealer for details.

All of the above also applies to Märklin H0 and the large railroad Märklin I.

The Märklin R-Way Club Inc.





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märklin

Gebr. Märklin & Cie. GmbH
Postfach 8 60/8 80
D-7320 Göppingen
Federal Republic of Germany